

Results: 1977 ARRL International DX Competition

Happiness is a good run.

By Jim White,* K1ZX/WA1NNC and Dan Street,** WA1QNF

Journey back into the past. The year is 1965 and then as now, February and March meant only one thing — the International DX Competition. Things look a lot different now than they did then. Or do they?

The quota system was still in effect back in '65 — on cw at least. The quotas limited you to working six stations in a given country. Just six stations. Once you worked six DLs or six JAs you could work no more. That was pretty frustrating for the DX station in a country with a large ham population. Many times calling a big signal on the band resulted in "sri, I've filled my quota." Phone had no quotas. (Back in '65 there weren't enough DX stations active to warrant them.)

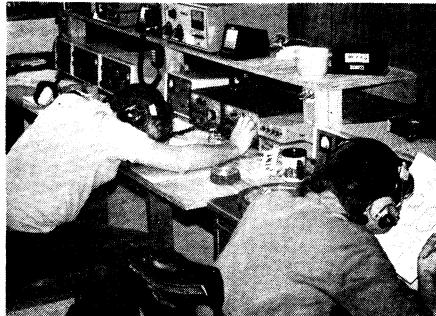
Quotas would seem odd today. When you think about the number of JA QSOs W7RM made, or the number of DLs worked by W2PV, it would seem even more out of place. The same goes for everybody. The majority of contacts are with a small number of countries, say Europeans. Although you can run up a multiplier of over a hundred on a band, many countries have one or maybe two stations representing them. For the VEs things were a little easier . . . they had a quota of eight.

The scoring of the DX Competition was much different back then. But, looking at some of the calls from those "ancient" years isn't as odd as it may seem. Familiar call signs abound and the charm of the DX Competition is proven. The perennials show up. In '65 HI8XAL made 2700-plus QSOs on cw and almost 1800 on phone. Today K3ZO made the top ten on cw and placed 11th on phone. Going back we find W1BIH active in Connecticut. Today PJ9JT is an expected QSO on both modes, all bands. John makes his religious trip to Curacao for two weeks every year (in which time the first cw weekend and

the second phone weekend always manage to fall). Hawaii was stateside back then but today KH6s work Ws and VEs. Either way KH6IJ was and is an active participant. Nowadays he is a regular in the top ten on both modes. Back again is VP2VL, his proficiency making VP2V an easy multiplier on cw.

Could it be the DX Competition is addictive? Ask the above ops. Year after year they're back. The many facets of the DX Competition make it a continuing attraction. To the newcomer working gobs of DX is great (to the big gun it isn't a charm). That does not mean the lure ceases. Tricks of the trade are numerous, numerous enough that there's something for everybody. The gun can't forget any of the tricks he's learned . . . working JAs long path . . . knowing where to look for Russians transmitting on 75 . . . the ins and outs are so numerous you can't know *too* much.

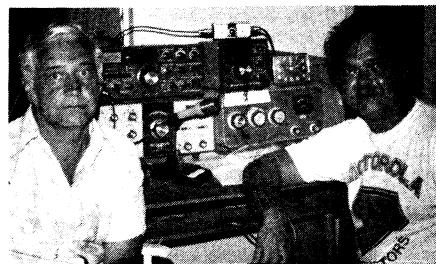
"Great, just what I want to hear about, I'm no big gun — all I do is casually get on for a few hours in the contest. That's all I can stand with those big guns taking up the band, they make it impossible for me to work any DX." Are they taking up the band and making it impossible for you to work DX or are they just one step ahead of you and know something about DXing you don't? Are you trying to get on and work DX at inopportune times? The big guns started out where you're sitting. DX contesting is something mastered with experience, and experience only. Are you getting on in the peak of the band opening? If so, you're probably working the DX. . . . Are you being practical in entering the pileups where the DX station only has a marginal opening into your area? Those from your area who are working him are only making it through because they know you don't beam straight in on 'em — you work 'em skew path at this time of day. If you want to make a big score from a modest setup you have to be



80 and 160 meters at WA5LES . . . Tom's suggested caption: "0710." Somehow, I get the feeling I've been there.



Six of the seven smiling Seven-RM super-station stalwarts, successfully seizing slot numero uno in multi-multi phone. Back row people: WA7OTT, K7SS (K7JCA), Mr. W7RM, W5QQQ. In front: VE7ZZ and K7JA (K7VPF). Not pictured is K7CW (K7HTZ).



High Montserrat one-weekender went to VP2MNK. Expeditioners WA0ONK and W0NAR made nearly 3900 QSOs with the aid of VP2MGB.

*Communications Assistant, ARRL
**Contest Aide, ARRL

**One-Weekend DXpeditions
(All Are Certificate Winners)**

CW

Continent *Made by*

Africa

3B8DT K4FOK

Europe

C31IU F0AXP

DL1YA/OE7
W5ONL/HB
OH0XZ
OH3XT/OH0
OH3PE/OH0

N. America

WA8TOB/C6A
WB6UAG/FM0
PJ8CO

K1CO, WB2DRW, WB2OEU,
WB2WOI
W6QL, W6KG
VP2KN
VP2LBH
VP2MAQ
W1HUY/VP9
XE2MX

W1BIH
K5MA

Phone

Europe

W5ONL/HB W5ONL

N. America

W4SS/C6A W4OO, W4PJG, W4RA,
W4SS, WB4POB

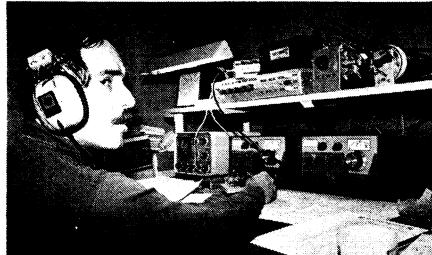
PJ8CO K1CO, W1GYZ, WA2DYK,
WB2DRW, WB2GIO, WB2OEU,
WB2WOI

W6QL/VP2A W6QL, W6KG
VP2LDQ
VP2LCG
VP2MAQ
VP2MNK
VP2SZ
W9ABA/ZF1
FO0RS

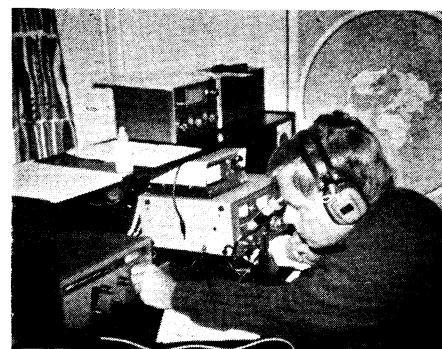
WA9FXJ
K0KJS
W6KG, W6QL
VP2MGB, W0NAR, WA0ONK
WB8JEY
W9ABA
K6NA

S. America

PJ9JT W1BIH



The Man himself — Sig N3RS/W3WJD at 40 cw on your left, and on your right, N3RD, Dave operating 20. I bet they knew they won.



W1 representative for the CAC, and low-power King WA1SSH. Ken now holds eight "firsts" — four code and four phone. Just recently he purchased a linear and goes high power to join the ranks of Connecticut "guns."

whether or not a visit from Mr. Murphy is scheduled.

W/VE Single-Op Highlights

The W/VE entrants of 1976 only managed one score greater than two million points. This year W3LPL (last year's Two-Million-Point Man) did himself one better and upped his cw score by 160 kilopoints. Frank's 2.4 million score is dangerously close to the all-time cw record of K1ZND, set in '72. Only one cw score greater than 2 megapoints last year . . . this year six of 'em. A record in itself with W3LPL, W2GXD, W1ZM, WA1STN, W6PAA, and W7RM sharing the honor. The remaining four top-ten slots were outstanding too, in that K3ZO's number-ten score would have landed him in second place last year. Last year's second highest score (from 7RM) wouldn't have made the big box! Last year's cw top tenners back in the box are W5WZQ — now as W5UN, W7RM again operated by K7VPF/K7JA, W3LPL, W2GXD and K4(pause)GSU.

Last year's high man for Frankford RC, W2HMH, comes back with that title and along with it the first-place phone seat in W/VE. Charlie's winning score is up by 800k over the W6HX winning score in '76. WA8ZDT (operating W4QCW), WA1ABW, K4VX, and WA7WXY all pulled in at over 2 million. K2LE/1 at

I bet it's 40-meter phone. W5ONL/HB, a one-weekend DXpedition active on both modes this year. Originally slated for a two-week stay in Switzerland, Dick was lucky enough to have his stay extended by two weeks allowing him to catch the cw weekend.

1.4 meg rounds out the phone top ten. And, like cw, the phone scores are way up from last year . . . even more so when you figure last year's number ten score W1YK, operated by WA1JLD, was 835k and this year WA1JLD (operating WA1STN) came in ninth. It took doubling his score to 1.7 million to keep him in the box. Yes, things were a bit more competitive on phone this year. Like cw, a record number of greater-than-2-meg logs were received, five of 'em — and none were made last year. Conditions were just OK, nothing special. Thinking about the scores to be made in the next few years boggles the mind. The winning phone multi-single, W5TMN, lead the test in 10-meter multipliers with 48. A few years from now 48 will be peanuts. Anyone with a long wire and a transceiver will be able to catch 50. Wow, conditions weren't great, conditions aren't at their prime, but five logs on phone and six logs on cw are better than 2 million points. Eleven single ops over two million, the average score in the top ten this year was 1.99 million. The average-score-record standing from the '71 contest is also 1.99 million. Conditions were peaking about then and now we're still a couple of years away from the new peak. Any guesses as to what the average score will be in 1979?

Master of low power WA1SSH put in

practical. Studying propagation charts like those in the "How's DX?" column each month will tell you a lot — when optimum conditions will favor communications to any part of the world. If you're trying to work 'em during a lull point in the day (and your station isn't more than a dipole and a barefoot transceiver), you're just asking for grief. Working that station is probably no sweat at the peak time of the day. Save yourself the aggravation by knowing when conditions are best. Once you learn about propagation you know where to improve your station . . . thanks to the knowledge you've gained in how it's done. Knowledge is cumulative, and with patience (and the desire you probably have now you aren't pounding your head into the wall) the only thing you have to worry about is

his final low-power effort this year. He went out in style. On code Ken had over 550k and on phone 275k. For the fourth year running Ken is low-power champ both modes. He'll be back next year in C class . . . "I broke down and bought an amplifier, next year I'll have



An awful sight — the contestor's nightmare. K4VX was lucky, in the sense that his tower made it through the DX competition; 49 hours post-test it was another story. Lew's expression tells the story.



EL2 Tango, Bud is another one of those guys who put a smile on your face. Working Bud on four bands this year was a sure thing. And in a year or two, five EL2T QSOs will be more sweatless.

to compete with the big boys." VE3AIA decided to make a big noise from up north in the Maritimes, putting VE1BKB on both phone and cw, the latter to the tune of a million points. Other heated cw battles included the race for number-one single op in Connecticut. WA1STN was edged out by W1ZM (WA2CLQ/K1ZM as op), an extra 100 QSOs for 'STN, but 15 more multipliers for 'ZM . . . net W1ZM first in CT, number three in W/VE and WA1STN second in CT and fourth W/VE. The second weekend conditions weren't exactly favorable for the West Coasters, W7RM only worked eight (yes, eight) JAs. Without the JAs for the West, scores can't make it up there (ever wonder what they did in the days of the quotas?). Europe is far away from W6 and a multiplier difference of about 25 or 30 means you run JAs or don't score. A classic example of this is fifth-place finisher on phone WA7WXY. Rick (now K7GM) cranked out more Qs than anyone else. However, his multiplier of 286 was the lowest in the top ten . . . a whopping 2359 QSOs. True, but with a multiplier 102 down from first-place finisher W2HMH, the net is fifth place. The sole finisher in the top ten on both modes was W2GXD, giving Frankford RC 3.9 million points toward their aggregate score.

High-band competition on cw was

good this year. Interest in this category seems to be increasing. Not content with his first-place finish in the low-band cw category last year, K1NOL came back this year entering and winning the high-band competition. Jim's low-band record score of last year still stands so he now holds both the low- and high-band cw records. High-band phone number one this year is N4MM and low-band phone winner is K4YFQ. Yet another four, N4PN, takes a first-place slot, this one low-band cw.

Multi-Singles

Multi-single provides an excellent opportunity for clubs to teach their members the ins and outs of contesting. Sitting a newcomer down alongside a seasoned operator can teach the neophyte more in one hour than endless hours of club talks and slide shows can hope to. Entries from W5TMN and WA1NRF proved to be a good race on cw. There were 100 QSOs more for 'NRF, but two multipliers more for 'TMN. WA1NRF took the title. NCDXCC took advantage of this aspect — they had almost as many multiops as single ops on in the contest! W5TMN did make it in as phone multi-single winner, just missing out on three million points by 50 contacts, scoring 225k better than phone single-single winner W2HMH. Strong club ties show up in

DX Continental Champions

CW		Phone	
Single Op	Multiop	Single Op	Multiop
ZS6WW		Africa	6W8DY
JA2JW	JA7YAA	Asia	JA7GAX
CT4AT	YU3ZV	Europe	CT4AT
KP4EAJ	KP4EAS	N. America	KP4EAS
KH6IJ		Oceania	KH6IJ
PJ2VD	LU8DQ	S. America	YV4TI
			PY1BAR

Italicized callsigns indicate "repeaters" from 1976

Top Forty

Single-Operator CW		Single-Operator Phone	
W/VE	DX	W/VE	DX
W3LPL	2,424,464	KP4EAJ	5,272,383
W2GXD	2,061,900	PJ2VD	4,708,935
W1ZM	2,052,618	KP4EKI	4,648,644
WA1STN	2,041,572	XE2MX	4,346,712
W6PAA	2,025,147	KH6IJ	3,481,890
W7RM	2,015,145	KH6HKM	
N6AA	1,993,680	CT4AT	2,803,356
K4GSU	1,962,360	ZS6WW	2,621,772
W5UN	1,795,692	PJ9JT	2,246,244
K3ZO	1,762,605	EA2IA	2,194,686
			2,180,892
		K5LWL	1,908,498
		W3BGN	1,857,240
		W2GXD	1,824,642
		WA1STN	1,691,352
		K2LE/1	1,461,042
		HC1BU	2,442,192

Low-Power Champs

CW	Phone
WA1SSH	722,766
W0PRY	314,415
WA0UCU	310,116
W2BA	302,742
WA2HAI	285,600
WB4KSS	255,420
WB2SJG	250,974
W3ARK	250,848
K3KO	242,880
K1NH	180,999
WA1SSH	506,100
W0PRY	321,408
WA0UCU	214,728
WB2BA	196,020
WB2HAI	194,334
WB4KSS	192,390
WB2SJG	186,984
W3ARK	186,620
K3KO	101,682
K1NH	100,080

Division Leaders**Phone****Single Op**

All	Low	High	Multiope	M-M
W2HMH	WA3SWF	K3ZOL	Atlantic	W3BWZ
W9LT	WB9MOG	WB9HAD	Central	W9RX
WA0ONL	—	W0OUE	Dakota	WA0FQF
K5KLA	WB5HVY	K5FVA	Delta	W5WMU
WA8YWX	W8TWA	WB8JBM	Great Lakes	K8IDE
W2GXD	W2HHC	W2MB	Hudson	WB2RKK
W0FHE	WB0EED	W0PRY	Midwest	K0AZV
WA1ABW	W1FC	K1CSJ	New England	WA1ABV
WA7WXY	W7YTN	W7ISX	Northwestern	K3MNT/7
WB6GFJ	W6NLZ	WB6OOL	Pacific	N6MG
W4QCW	WA4YBV	N4MM	Roanoke	WA4APD
K5EVK	—	WB0QHV	Rocky Mt.	WB0LLR
N4PN	K4YFQ	WA4CQD	Southeastern	WA4LZR
K6AC	WB6NRK/7	WA7YRP	Southwestern	W6YRA
K5LWL	K5JZY	K5BZU	West Gulf	W5TMN
VE1BKB	VE3BBN	VE3HGN	Canadian	W5BJA
				VE8ML

Division Leaders**CW****Single Op**

All	Low	High	Multiope	M-M
W3LPL	WA3SWF	WA3SZX	Atlantic	W3NX
K9DX	K9DWK	WB9LHI	Central	WA9IVL
W0HP	WB0ANT	W0OUE	Dakota	—
W5WMU	—	N4ZZ	Delta	—
K4GSU	W8IQ	K8ETO	Great Lakes	K8IA
W2GXD	W2HHC	WB2PYM	Hudson	WA2UOO
W0ZLN	WB0NOU	W0PRY	Midwest	WB0RRA
W1ZM	W1NJI	K1NOL	New England	WA1NRF
W7RM	W7YTN	WA7OBL	Northwestern	N7XX
W6PAA	WA6SFT	W6HJP	Pacific	WA6DQM
K4VX	W4HBK	N4MM	Roanoke	W4WIN
W7HS	WA5YTX	—	Rocky Mt.	—
N4RR	N4PN	W4WHK	Southeastern	WA4LZR
N6AA	W6DYD	WA6WZO	Southwestern	K6SE
W5UN	W5KLB	W0PCO/5	West Gulf	W5TMN
VE1BKB	VE6AYX	VE6KW	Canadian	WA5LES
				VE4OY

the phone multi-singles with Frankford, PVRC, NCDXCC and MM all putting in multiple entries. Use of spotting nets for conveying hot multiplier news is the main reason. Some ops normally running single-single decided to use the net for score aid — foregoing single-op status and entering the ranks of the multi-singles. The scores of the phone multi-singles fall into the 1.5- to 2.5-million-point range with the exception of the TMN winning score of 2.9 million — a clear victory.

There is only one set of rules for multi-single operation, but two distinct methods of operating a multi-single exist. Interpretation of the rules for multi-single vary, some seeing the "single" as meaning one transmitter while others say one signal. The classical view of multi-single is that the category is an extension of the single-op category, i.e., the only way it is different than a single op is there's more than one operator of the station — to assist in keeping the station on the air for the full 96 hours,

The second op(s) can man a second receiver, looking for band openings and multipliers. Some multi-singles have taken this to an extreme and have set second stations, manning them simultaneously. The number of contacts possible from a multi-station multi-single is far greater than a single-op station with more than one operator can match. Contest rules are not meant to discourage participation in the contest, and because of this entrants using the multi-station format were not reclassified into multi-multi. This has been done with the proviso that the Contest Advisory Committee and the Headquarters Awards Committee thoroughly review the reason for the category's existence, and possibly redefine multi-single contest participation. The Contest Advisory Committee is responsible for conveying the participants' interests in contesting to Headquarters, where the rules are implemented. If you feel strongly one way or the other about an issue, like "what is multi-single?" contact your

Total Logs Received (Including Check Logs)	1976 2405	1977 3034
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'76 W/VE: 1368 DX: 872 Check Logs: 165
'77 W/VE: 1631 DX: 1123 Check Logs: 280

Returns Up 26 Percent

1978 ARRL DX Competition**Phone**

February 4-5 and March 4-5.

CW

February 18-19 and March 18-19

CAC representative (or mail your letter to him via the Hq. liaison) to let him know how you feel. If you don't write, don't complain about the rules.

Multi-Multi

Yes, these are the big boys. To the single op they're seemingly merciless on the bands. Their constant presence on the bands make them so conspicuous. No matter what band the single op switches to the multi-multi is there; "sentinels of the bands." It didn't take long to figure out who N3RS was . . . Sig (alias W3WJD) put together a winning multi-multi effort on code this year. Nearly six million points worth of effort, the 80-meter signal of Willie John David fame came through producing 664 QSOs. On 15 meters, W4BVV (K0DDA op) managed 100 more QSOs than anyone else. We add that Lloyd is sightless and along with John, K3NPV (also blind), WA3AMU, K3OAE, W3ZZ, K4GKD and K1JX, W4BVV managed the second-highest multiplier in the 'test — 432 countries — including 80-meter contest high of 73 by K3NPV. In third is W2PV, but not by much as WA5LES multi-multi came within 200k of 'PV. That's right, a 4.5 million point multi-multi from South Texas — hats off to Tom for the well-organized effort. Geography didn't discourage the South Texas crew, they just went out to work a contest and did so in style. K1VBL's New Hampshire multi-multi operation signing W1GQO on cw lost most of their aluminum in the storm on the Thursday and Friday before weekend two — only one weekend for them, but almost two million points, nevertheless. . . Mr. Murphy struck!

On to phone. Now grit your teeth, the beacon of W7RM skunked everyone with an eight-million-point victory. Number two finisher W2PV managed 50 more multipliers than 'RM. Sounds pretty impressive, huh? Impressive, but not as impressive as the 1350-QSO lead by 'RM — over a million points above W2PV . . . where did it come from?

Try 650 more QSOs on 40, 600 more on 15, and 100 more on 75 — that adds up to JA, right? Twenty meters was dead even in contacts; 'RM worked Europeans like crazy, and took 'PV in multipliers: 145 to 134. Competition for number-two slot was possible — can anyone compete with W7RM? We'll tune in next year and see (perhaps). Oh yes, back to competition for number-two slot. The scores made by second and fourth finishers W2PV and W3AU are way up over last year's, 'PV by 52 percent and 'AU by 44 percent. Multi-multi scores are good indicators of propagation and there is no denying these kind of increases spell upswing on the propagation charts. K1VBL's multi-multi signed W1RR, and in their first year out came in third, right at the heels of W2PV.

DX Horizon

At one time East Coasters worked JAs on 10. This is a few years back the other side of the lull in the cycle, but they did indeed work 'em. The West Coast has been having trouble making it to JA, but this year JA has started up, meager signs, perhaps, but further proof that the conditions are getting better. In the last hour of the contest (on phone) JA1PUK had a run of 12 QSOs into the states. JR1CFG and JA1CG also lucked out and made a few W QSOs on 10. With the trend as it is for West Coast scores, 20 meters could well become the lowest contact-producing band — boggles the mind, eh? Way over on the other side of Asia 9D5A surprised many with a usually unheard country — Iran. If you listened hard you lucked out and caught him. On phone things were pretty tough for Bill (K6KM/W6HQN). Running 60 watts makes the distance between Iran and W/VE seem further. "Believe it or not, my 69 phone contacts represent an all-out effort in the contest. Few but the 'big guns' heard me call them, and not one CQ got a response . . . except from Europe and Africa." Those of us who heard you say thanks, Bill, especially the three of us lucky enough to work you on 75. On cw 9D5A was multi-single, with K5MM assisting. Over 600 contacts, not bad for a TH3 and 60 watts.

The whopping 2.9-million-point score by 6W8DY (number Six, letter W, number Eight . . .) brings an African score back into the top-ten box. Aiding in keeping Africa on the ham radio map are the kilos of QSOs made by EL2T, ZS6DN and 9G1DN. Fifth worldwide cw scorer ZS6WW entered the top ten, too — making two Africans successful at thwarting the NA/SA/Oceania guns.

Flash! Switched to 40 meters, worked CT4AT. Good gawd, K7ZZ's last DX test from Portugal proved a winning one with his phone score of 3.8

Affiliated-Club Scores

State/Prov.	Call Area	Club	Score	Entries	CW Winner	Phone Winner
VA	4	Potomac Valley RC	65,437,392	98	W3LPL	K4VX
PA	3	Frankford RC	50,776,590	80	W2GXD	W2HMH
CT	1	Murphy's Marauders	41,064,741	38	W1ZM	WA1ABW
CA	6	N.CA DX & Contest Coop.	35,542,482	99	W6PAA	WB6GFJ
WA	7	Western WA DX Club	22,452,069	54	W7RM	K7DZ
IL	9	N.I.L DX Assn.	19,187,088	40	K9DX	W9BW
TX	5	TX Assn. of Contest Ops.	15,604,563	14	W0PCO/5	K5VTA
MA	1	NE Contest Club	14,045,268	39	K1GQ	K1CSJ
NJ	2	Wireless Inst. of the NE	13,339,967	41	W2REH	WB2RJJ
CA	6	S.CA Contest Club	10,799,631	21	K6AC	K6AC
OH	8	Mad River RC	9,781,374	22	K8RMK	WA9BWY
TX	5	TX DX Society	6,001,908	10	W5UN	K5LWL
CA	6	San Diego DX Club	4,865,796	16	W6ABT	WA0OOL/6
CA	6	S. CA DX Club	4,504,236	11	N6AA	W6BA
NY	2	Order of Boiled Owls of NY	4,092,105	13	K2LE/1	K2LE/1
MI	8	Mich. DX Assn.	3,555,759	6	K8ETO	—
AL	4	N.AL DX Club	3,432,672	7	—	K4TIG
LA	5	Delta DX Assn.	3,069,312	5	—	K5FVA
AZ	7	Central AZ DX A.	3,038,037	15	WA7YRP	WA7YRP
VA	4	Central VA	2,940,228	5	WA7YRP	WA7YRP
IN	9	Contest Club	2,886,696	4	WA7YRP	WA7YRP
MN	0	INDY DXers	2,797,194	12	W0HP	WB0ANT
CO	0	Twin City DX A.	2,797,194	12	W0HP	WB0ANT
CO	0	Colo Contest	2,316,690	3	—	—
GA	4	SE DX Club	2,146,491	9	N4PN	N4PN
TN	4	Mid-South ARA	2,012,376	11	WA4FDR	WA4EAV
NJ	2	S. Jersey RA	1,810,940	13	K2JOC	W2FGY
IA	0	E. IA DX Assn.	1,466,712	17	K0FLY	W0FHE
WI	9	Four Lakes ARC	1,282,587	6	K9KGA	—
NY	2	Overlook Mtn. ARC	1,236,198	14	WB2BXL	K2SD
IL	9	Kankakee Area RS	1,090,599	4	—	—
NY	2	Buffalo Area DX Club	1,058,310	4	—	—
OH	8	OH Valley ARA	1,001,505	8	W8RSW	—
FL	4	N.FL DX Assn.	964,554	8	—	W4ZTW
MAN	0	Winnipeg DX Club	868,143	10	—	VE4RP
MO	0	MO Valley DX & Contest Club	785,583	11	W0TDR	W0HBH
ONT	0	Toronto DX Club	752,037	4	—	VE3HGN
IN	9	INDY DXers	720,924	3	—	—
TX	5	Alamo DX Amigos	714,900	11	W5BE	W5BE
IL	9	Waukegan VHF Society & ARC	703,671	6	—	W9LUH
VA	4	VA Century Club	674,037	10	—	WB4OXD
OH	8	Columbus ARA	621,663	7	W8ZCQ	W8ZCQ
NJ	2	Old Barney ARC	562,959	6	W2EQK	W2EQK
MD	3	ARINC ARC	556,965	7	N3OS	W3PWO
NS	0	Halifax ARC	539,852	4	VE1MX	—
NY	2	Poughkeepsie ARC	482,463	5	—	WA2LJM
KY	4	River Rats ARC	352,704	3	—	—
NC	4	Charlotte ARC	327,036	4	—	K4GFH
ALTA	0	Calgary DX Club	253,284	8	VE6AMR	VE6AMR
NJ	2	Gloucester Co ARC	185,847	4	—	—
NY	2	Lake Success RC	168,972	3	—	—
KY	4	Bluegrass ARC	166,521	3	—	—
NC	4	Brightleaf ARC	108,990	5	—	WA4NHP
CT	1	Meriden ARC	92,892	6	W1KKF	—
OH	8	Parma RC	34,134	4	—	—
IL	9	Chicago Radio Tfc.A	26,292	5	W9REC	—

million setting an EU record. Though he claimed not to know the code, Don made 3800 cw contacts, nailing down high Europe single-op on both modes

. . . the word is that Don has gone down to the Caribbean. But we'll wait and see what comes of it. EA2IA (?) broke two million on cw again, and YU3ZV put together a 2.2 million point multi-single . . . two Europeans you *always* work. Multi-singles from Russia were plentiful again. Active on both

modes, the UK2 Bravo Bravo Bravo and UK2GKW crews each broke 2000 phone QSOs. Lithuania and Latvia were duck soup on four bands.

If you didn't work KP4EAS you were in a very small minority. Mike set an all-time world record DX score this year; his 7/8-pound log was filled with 8132 QSOs, and 309 multipliers . . . 43 on 160, 55 on 75, 56 on 40, 20 on 15 and 53 on 10. Pretty good show when you consider it's only possible to work a

maximum of 57 multipliers on each band. Speaking of Puerto Rico, Chet, KP4EAJ came back as number-one code man. His score was up by 36 percent . . . a big increase when you made as many points as Chet made last year. . . . Also returning to the top ten, in sequential order, are PJ2VD and KP4EKI, repeating number two and three 'this year. Other returners to the top-ten box from '76 are KH6IJ (on both modes); KH6HKM, cw (no, it's not KH6SKM or KS6SKM as found in many a log); KP4EAS, phone and XE1LLS, phone. Number-ten single op on phone, HC1BU, deserves commendation with his high-band effort. EA2IA's score also is encouraging as there are two Europeans in the top-ten cw, another indicator of improving conditions. There haven't been any Europeans in the top ten since '74.

K6NA/W6MAR had a little fun this year, operating XE2MX to a fourth-place finish on cw. Glenn went to French Polynesia to operate FO0RS, handing out 2200 plus QSOs, an interesting way to spend a March weekend. Nice weather was in the offing for the K1CO/PJ8CO crew again this year. Operating multi-multi, they made 7810 QSOs in a weekend; on phone that is. On the cw weekend they just missed 4000 Qs — not bad for a few vacation

contacts. (Not to mention the contacts that bachelors tend to make on a Caribbean vacation.) On the waves and the airwaves, the Colvins continue their jaunt around the world. Island-hopping to Antigua in February, andMontserrat in March, they totaled just shy of 11,000 QSOs. Close to 20 one-weekend DXpeditions were made to the Caribbean this year — fun was had by many and we're sure many a time ham radio was forgotten in favor of time in the sun.

Recognizing every outstanding effort is a tough job, that's why we are lucky to be able to print all the scores. Statistics are always easy to extract. . . . You name it, the number of stations operating portable, the number of calls ending in V, what you seek is here, extract as you please!

Affiliated-Club Competition

Back on top again this year, the Potomac Valley Radio Club took first first, with Frankford Radio Club second. The two traded positions from last year. Excellent efforts by PVRC members netted 65 million points to the club. Returning to third place was the now-split Murphy's Marauders. The majority of their membership joined with the Northeast Contest Club and formed the Yankee Clipper Contest

Club. Next year YCCC will be a force to watch for! Northern California Contest Club members merged with the Northern CA DX Club. The marriage resulted in the Northern California DX and Contest Cooperative. NCDXCC took number-four slot this year. (Last year NCCC took fourth, netting an ersatz return to fourth position.) In seventh with only 14 entries (most of 'em multiops) was TACO, the Texas Association of Contest Operators. It was another marriage of clubs, this one a bit more spicy, the Richardson Wireless Klub joining with the Texas DX Society. Notable, too, is the turning to by members of the Northern Illinois DX Association — entering the coveted top ten and placing sixth.

Alms, Pse?

Putting together the data for a DX Competition writeup isn't easy. Just ask Dan, WA1QNF; Bill, K1WJ; Rita, WA1WEV or myself (K1ZX). Between the hours of working on 2754 logs and Rita's hours of typing at the composing machines, stock in Excedrin *must* be up.

As we've stressed throughout this writeup, conditions were way up. By next year we should be rewarded for our years of suffering with the merciless Griznoid, Ruler of Bad Propagation.

1977 DX Competition

Scores are grouped with U.S. and Canadian entries first, DX later. Logs are broken down by continent; within a continent alphabetically by country prefix. Line scores read call sign, score, contacts, multipliers, power category and hours of operation. Example: W1ZM, 2,062,618 points, 2179 contacts, 314 multipliers, power over .500 watts and operating time of 96 hours. Power categories are A, 150 watts or less, B, 150-500 watts, and C, greater than 500 watts. An asterisk next to a U.S. or Canadian entry denotes ARRL staff member, ineligible for award.

U.S.A.		New Hampshire		W2GKZ		122-301- 321-127-C-20		WB2KNZ		11,088- 88- 42-B-		Western Pennsylvania		
CW	K1GQ	1,587,936-1904-278-C-68	WA1ABV	W2CP	88,550-	227-130-C-15	WB2FKF	88,368-	263-112-C-7	3		K3KO	242,880-	506-160-A-54
Single-Op	K1NH	1,307,136-1702-256-C-75	WA1TVB	W2IRV	87,963-	269-109-A-20	W2SGK	71,820-	210-114-C-24	Delaware		K3HDL	167,809-	366-152-B-29
1	WA1JSM	180,999- 507-119-A-15	WA1JSM	W2TE	65,007-	233- 93-C-15	WB2WE	33,180-	140- 79-C-22	W3DA	175,098- 379-154-B-30	W3DH	162,900-	362-150-B-29
	W1LQQ	37,185- 163- 65-B-15	W1LQQ	WB2MVS	13,600-	82- 53-B-10	WA2CQXQ	6448-	64- 44-C-22	4		K3HWL	11,745-	87- 45-C- 7
Connecticut		Rhode Island		Northern New Jersey		Western Massachusetts		K3II		897,435-1221-245-C-		Alabama		
W1ZM(WA2CLQ,opr.)	2,052,618-2179-314-C-96	K1GMW	118,503- 297-133-C-28	W2GXD	2,061,900-2291-300-C-82	WB2FZP	1,004,666-1862-322-C-50	W35X	855,177-1173-243-C-77	W8FAW/4	1,088,640-1296-280-C-60			
WA1STN*	2,041,572-2276-299-C-85	Vermont	W1VUJ	WB2FZJ	973,366- 364-238-C-58	W2OVP	734,613-1201-157-C-50	W3AP	855,177-1173-243-C-50	N4NO	1,049,904-1268-276-C-70			
W1YHG	1,124,352-1536-244-C-	WA1SSH	K2LE/1	1,377,090-1605-286-C-74	W2HTR	245,340- 470-174-C-44	W3CFQ	588,984-1012-194-C-79	W3JZJ/4	126,492-, 254-166-C-35				
W1WKH	1,722,766-1034-233-A-78	W1KQ	1208- 36- 26-C- 3	WB2RKK	217,551- 571-127-C-15	W3V1K	558,675- 975-191-C-60	WA2DDB	133,620- 340-131-B-	K3WHD	461,835- 933-165-C-			
W1GWP	419,490- 790-177-C-52	WA1NSW	251,424- 582-144-C-	WA2ZWH	127,908- 418-102-A-52	WAZZL	375,888- 764-164-C-	W2ZZ	86,070- 302- 95-C-20	K3ZOL	375,888- 764-164-C-			
W1VW	153,049- 391-129-C-22	WA1ABW	154,049- 391-129-C-20	WA2EJZ	82,716- 244-113-B-27	W3GK	368,490- 710-173-C-58	W2HUG	65,933- 198-181-C-20	WB4KSS	255,420- 473-180-A-76			
W1WB	14,049- 32- 116-C-20	WA1WUR	99,528- 86-116-C-44	WB2RSZ	69,950- 237-94-C-18	W36K	336,100- 613-181-C-40	W2HZN	41,850- 150- 93-C-17	Kentucky	1,962,360-2070-316-C-76			
WA1AH1*	94,446- 297-106-C-22	WA1ABH	1,649,508-2044-269-C-68	W2RBS	19,392- 101- 64-C-12	W3ARK	250,848- 536-156-A-45	W1YK1K1R	1,649,508-2044-269-C-68	W4BCV	208,803- 427-163-C-34			
W1BIH	71,820- 190-126-C-	WA1DUK	91,476- 252-121-A-31	W2MB	6612- 58- 38-C- 3	W3K7T	148,230- 366-135-C-48	W2UL	1575- 25- 21-A- 8	WA3ID	133,266- 334-133-C-30			
W1CNW	69,678- 237- 98-B-42	WA1WED	44,086- 140-102-B-25	WA2UL	1575- 25- 21-A- 8	W3EVEW	125,730- 330-127-C-20	WB3BKD	91,800- 306-100-C-45	North Carolina				
W1KKF	61,965- 255- 81-B-23	WA1WUW	55,224- 236- 78-A-16	W2REH	1,588,176-1614-328-C-56	W3D3D	83,000- 28-80-C-10	W2HBT	961,704-1444-222-C-60	W4TYE	523,629- 797-219-C-61			
W1WQK	36,556- 32- 100-C-13	WA1WUH	19,488- 116- 56-B- 8	K2SB	848,925-1225-231-C-50	W4AAK	129,861- 307-141-B-55	W1DUK	91,476- 252-121-A-31	N4AA	418,950- 798-175-C-35			
W1VDF	57,740- 132- 66-C-16	2	189- 9- 7-B- 1	K2TB	536,480- 720-161-C-67	W4LWQ	122,850- 315-130-C-44	WA2ZQ	297,500- 500-195-C-42	W4LWQ	122,850- 315-130-C-44			
W1WBL	23,544- 109- 72-C-4	WA1WUH	19,488- 116- 56-B- 8	K2ZP	536,480- 720-161-C-67	W4JU/4	56,100- 187-100-B-	WA2ZQ	297,500- 500-195-C-42	WA4KZG	2856- 34- 28-B- 5			
Eastern Massachusetts		Eastern New York		K2JOC	31,576- 704-148-C-67	W3JPL	2,424,474-2391-338-C-84	WA2AEJ	1,762,605-1965-299-C-78	Maryland - D.C.				
W1YN	992,616-1402-236-C-71	WA2BXL	233,440- 532-140-C-48	WB2PAU	297,500- 500-195-C-42	K3ZO	1,762,605-1965-299-C-78	W2PAU	297,500- 500-195-C-42	WA4KZG	1,762,605-1965-299-C-78			
W1PL	416,670- 731-190-C-40	WA2AWF	171,450- 450-127-C-55	WA2AEJ	275,049- 549-167-C-75	K3GJD	1,472,532-1772-277-C-77	WA2AVAT	175,671- 393-149-B-	WA3KOC	912,516-1364-223-C-79			
N1EE	376,830- 790-159-C-43	K2BK	160,290- 411-130-C-25	WB2MHM	248,775- 535-155-C-25	N3CW	765,765-1309-195-C-60	WA2AVT	175,671- 393-149-B-	WA3ZQ	595,608-1079-184-C-61			
W1DLWF	268,275- 511-175-B-56	WA2LJM	95,658- 298-107-C-45	W2EA	1,326,969- 349-127-B-53	W3EVE	467,832- 772-202-C-	W2LJM	175,671- 393-149-B-	WA3ZQ	595,608-1079-184-C-61			
WA1KXK	107,910- 137-110-C-49	K2SD	69,495- 205-113-C-11	K2D	120,930- 261-139-C-11	W3EVEW	467,832- 772-202-C-	WA2VYA	1,326,969- 349-127-B-53	W3EVE	467,832- 772-202-C-			
W1WOP	10,000- 100- 100-C-49	WA2PQD	55,880- 197-100-C-15	K2D	120,930- 261-139-C-11	W3V3W	422,344- 461-164-B-50	WA2VYA	1,326,969- 349-127-B-53	W3FCI	422,344- 461-164-B-50			
W1OJP	23,010- 130- 59-A-22	WA2MNK	22,856- 128- 58-B- 9	WB2GFE	62,712- 312- 67-C-18	N3II	219,924- 447-164-B-42	WA2VZD	46,783- 281-139-C-11	W3OS	178,500- 425-140-B-56			
W1UUJ	13,446- 83- 54-C-4	WA2AUB	14,193- 83- 57-C-12	WB2D	47,214- 183- 86-C-17	N3II	219,924- 447-164-B-42	W2FVGY	7869- 61- 43-B-10	K3TWW	141,264- 327-144-C-14			
W1KZR	11,613- 79- 49-B-10	K2HA	5148- 52- 33-A-11	N2CQ	46,008- 213- 72-C-12	K3TWW	130,065- 299-145-C-50	K3ZJZ	130,065- 299-145-C-50	WA2ZQ	141,264- 327-144-C-14			
W1EQY	10,224- 71- 48-A-35	WA1PNX	4368- 52- 28-B- 6	W2FVGY	7869- 61- 43-B-10	W3EJJ	72,882- 229-106-B-45	WA2ZQ	130,065- 299-145-C-50	WA2ZQ	141,264- 327-144-C-14			
Maine		N.Y.C.-L.I.		Western New York		K2NY	1,499,124-1804-277-C-66	W3EJK	72,882- 229-106-B-45	Northern Florida				
		W2AEE(WA2ZKY,opr.)	715,950-1075-222-C-58	K2TQC	1,405,206-1661-282-B-80	WA2RSK	72,882- 229-106-B-45	WA2ZQ	72,882- 229-106-B-45	K4YFQ	838,320- 998-280-C-52			
W1SD	163,602- 366-149-C-	WB2SJG	250,974- 573-146-A-	W2BZOW	1,335,452- 337-132-C-54	W3HVM	62,558- 154- 84-C-10	WA2ZQ	72,882- 229-106-B-45	WA4WKQ	56,163- 193- 97-C-33			
K1SA	119,733- 373-107-C-20	W2EUO	208,800- 435-160-B-50	WB2ABD	119,370- 346-115-A-24	W3TN	18,054- 102- 59-A-34	WA2BAX	6240- 52- 40-A-11	WA4BAX	6240- 52- 40-A-11			
K1VMQ	100,500- 335-100-C-20	K2MFY	179,955- 387-155-A-47	W2UF	44,073- 177- 83-C-44	W3TUX	48- 4- 4-B- 3	South Carolina						
W1ERW	8850- 59- 50-B-11	K2YGM	168,630- 385-146-C-41							N4RR	1,217,430-1670-243-C-74			

WA4ZHU	633,828- 904-239-C-60	W6EYY	76,808- 304- 84-C-16	WODWQ	392,100- 769-170-C-40	VE7DTA	.7560-	60- 42-C-34	Los Angeles
K4CL	396,066- 706-187-C-58	W6VKG	44,200- 151- 62-C-30	W9BV	272,850- 531-152-C-25	Multi-Single	K6SE(+WB6CEI)		
W4BV	366,894- 561-218-C-69	WAGTKT	28,341- 201- 47-B-	K9KWK	242,136- 531-152-C-25	U.S.A.	1,586,004-2212-239-C-88		
K4JRF	88,515- 281-105-C-4	W6GRIR	14,229- 153- 31-B-23	K9BGL	205,620- 460-149-C-30		W6RTT(N6DE,W6GOTU,W6KJII,OPRS.)		
WB4OGW	65,949- 247- 89-C-15	W6UR	9,828- 91- 36-B-35	W9JUV	202,530- 430-157-C-58		431,964-1014-142-C-51		
K4PB	55,554- 197- 94-C-23	W6GFJ	9,546- 74- 43-C-12	K9UYI	164,334- 449-122-A-60	1			
WB4QNX(WB4NTH,opr.)	468- 13- 12-C- 4	W6KHS	9,009- 91- 33-C-10	W6VCO	136,580- 261-122-C-20				
WB4QNL	3384- 47- 24-C- 6	W6QDE	3384- 47- 24-C- 6	W9RW	90,024- 241-124-A-30				
Tennessee		San Diego		WA9VOL	61,857- 261- 79-C-16	Connecticut	WA6DQM(+WB6JB,VETZZ)		
W4XJ	757,875-1075-235-C-71	W6BS	39,816- 168- 79-C-13	W9AG	31,395- 161- 65-C- 5		1,292,451-1849-233-C-96		
W1FCC/4	728,472- 956-254-C-60	W6IA	20,655- 135- 51-C-16	W9REC	25,620- 122- 70-C-10		N6MG(+WA6PGB,W6RACZ)		
WB4WHE	31,320- 145- 72-B-27	W6ORJ	384- 16- 8-A- 4	W9P	11,000- 74- 21-C- 4		1,244,196-1819-228-C-96		
K4TTA	12,168- 78- 52-C-10			W9VNE	8,127- 63- 43-C-12		W6OKK(+WA6MQS,W6BDSV)		
Virginia		San Francisco		W9HPG	7,656- 58- 44-B-4		1,094,688-1629-224-C-96		
K4VX	1,413,531-1939-243-C-64	W6WB	212,574- 499-142-C-70	W9UDK	7011- 57- 41-C- 4		K1JHX(+K1VWU,W6R1AEP)		
K4PQL	1,306,383-1763-247-C-76	W6ZHD	56,940- 260- 73-C-30	W9NU	6882- 62- 37-C-26		K1ET(WA1OCU,RYL,SQB,STO,W6R1AEP)* 348,810- 755-154-C-31		
W3ZKH/4	456- 19- 8-A- 3	K6LRN	456- 19- 8-A- 3	W6DQV	5,850- 50- 39-B-14		K1TZD(+WA1OCU,W6R1AEP)* 127,437- 397-107-C-20		
WA4ATL8	1,087,350-1318-275-C-75	San Joaquin Valley		W9CW	5406- 53- 34-B- 6		K1ZZ(+W6R1AEP)* 31,920- 140- 76-C- 8		
N4DD	692,037-1083-213-C-70	W6BVM	83,259- 319- 87-C-	W9WR	3360- 40- 28-B-15		W6CF(+Net)		
K4IAF	596,736- 896-222-C-75	W6AFH	19,539- 167- 39-C-31				202,752- 528-128-C-		
W4YZC	539,847- 861-209-C-42			WA9RJI	32,292- 138- 78-C-14	Eastern Massachusetts	N6OM(multiop)		
K4M	1,040,220- 145- 72-B-27			K9VQK	17,304- 103- 56-C-15		124,584- 358-116-C-55		
W4XR	415,143- 717-193-C-42			W9GSB	4,623- 49- 29-A-13		WA6GFY(K6CN,W6BEWX,oprs.)		
W4EI	350,550- 615-190-C-59	Sacramento Valley					49,140- 260- 63-C-10		
W4KFC	340,200- 648-175-C-24			K9KGA	645,660-1055-204-C-70		W6CN(multiop)	8250- 110- 25-C-10	
K9CMF/4	236,220- 508-155-C-54	WA6JVD	515,928-1036-166-C-80	W9NA	459,153- 865-177-C-		San Diego		
N4RP	234,558- 498-157-C-25	K6SG	351,090- 830-141-C-75	K9CAB	455,836- 709-185-C-65		W6ISA(+WA6CXK,WA8OOL)		
W4QQ	200,691- 503-133-C-35	K6DR	315,792- 731-144-C-72	W9PJT	293,265- 656-147-C-43		1,086,981-1897-191-C-90		
K4M	17,691- 139- 52-C-17	W6NKR	294,309- 617-159-C-63	K9QXY	157,608- 398-132-C-5		K1RQE(+K1QOEY)		
WA4WR	169,320- 415-136-C-56			W9BG	20,400- 100- 68-C-14		1,242,042-1511-274-C-80		
WA4ATZM	144,900- 345-140-C-48	W7A	7	W6PKL	7,440- 62- 40-B-10		Vermont		
WA4ADUS	87,483- 241-121-C-18			W9OW	5,643- 57- 33-C- 5		W6BIP(+WA6DJ)	733,788-1308-187-C-75	
K4KA	82,377- 243-113-C-18								
W4NH	77,250- 250-103-C-70								
WA4WYN	52,452- 187- 94-C-25								
WA4KMS	50,100- 139- 77-C-16	WA7HRE	363,330- 734-165-C-84						
W4JAT	32,109- 139- 77-C-16	W2GGL/7	129,918- 367- 118-C-56						
W4W	30,267- 171- 59-C-17	W7ZMD	54,327- 199- 91-B-25						
WA4EAZ	19,950- 95- 45-B-20	W6AEB	52,863- 263- 67-B-30						
W4EZ	9,990- 74- 45-B-20	K7JY	22,394- 152- 49-B-13						
5	25,938- 131- 66-C- 8	W7KPL	11,520- 120- 32-B-37	W6PKM	114,750- 425- 90-C-55				
Idaho				W6PNWU	60,984- 264- 77-C-				
Arkansas		W7LLM	46,410- 238- 65-A-22	W9A	51,408- 204- 84-A-66				
W5RUH	30,720- 128- 80-B-38	Montana							
WA5HNN	28,305- 111- 85-C-12	W7JYW	176,814- 627- 94-C-70						
Louisiana		K7CTI	158,304- 544- 97-C-32	W6PUM	54,120- 220- 82-C-21	Northern New Jersey	K6AO(multiop)		
W5WMU	1,254,252-1646-254-C-86	K7ABV	150,591- 497-101-C-32	W6PMJ	17,976- 107- 56-C-41		434,922- 838-173-C-51		
WSRTX	953,200- 145-124-C-68	W7LR	115,227- 413- 93-C-27	W9PVX	6,144- 64- 32-B- 6		K6AYA(+WA6OEC)		
WSOB	132,247- 409-161-C-69	Nevada					330,750- 875-126-C-64		
K5UA	130,848- 376-116-B-	W7TML	1,126,044-2018-186-C-76				K6YK(+WA6BXI)		
New Mexico		K7GGY	64,479- 271- 83-B-31				137,172- 497- 92-C-23		
K5MAT	105,084- 278-126-C-21	Utah		W7MRS	81,270- 430- 63-C-15		Arizona		
W5VIW	104,412- 308-113-B-53	W7HI	16,848- 117- 48-B-13	W7H	348,000- 725-160-C-45		W7RUK(multiop)		
Northern Texas		W7HS	199,104- 544-122-C-67	W6P	45,140- 210- 78-C-17		87,957- 337- 87-C-24		
W5IUW	49,959- 183- 91-B-40	Washington		W6PUB	107,856- 321-112-B-40		Idaho		
W5SOD	29,484- 156- 63-A-35	W7RM	2,015,145-2655-253-C-	W6PTAS	54,120- 220- 82-C-21		W2UOO(+WF2VS,WB2FLF)		
Oklahoma		W7HAD	280,350- 890-105-C-34	W6PWL	59,282- 52- 38-C- 5		1,659,144-1894-292-C-95		
WA5HJK	8364- 68- 41-B-40	N7DX	235,809- 591-133-C-51	W6PWT	61,074- 107- 56-C-41		W2YD(+WB2RKK SZO)		
WSAS	612- 17- 12-B-17	W7OF	117,612- 396- 95-C-24				1,036,800- 1728-200-C-40		
Southern Texas		W7WMM	10,030- 100- 32-B-24	W6PKO	31,680- 192- 55-C-10		WA2AYY(+WA2GMO)		
W5JY	52,704- 183- 96-B-34	K7ZR	83,676- 367- 76-C-23				33,966- 153- 74-B-17		
WB5JJD	46,368- 161- 96-C-30	K7MOK	81,468- 372- 73-C-36	W6PKV	31,680- 192- 55-C-10		Southern New Jersey		
K5RF	16,950- 113- 50-C-30	W7LZF	67,221- 291- 77-C-26	W6PKW	20,274- 109- 62-A-15		Washington		
W5LUU	4650- 50- 31-B- 8	W7JEG	22,050- 147- 50-C-10	W6PKZ	1,257,303-1513-277-C-76				
K5LZO	3864- 46- 28- 8-A-	WA7RKJ	33,825- 205- 55-B-15	W6PKY	348,000- 725-160-C-45				
K5JZY	3627- 39- 31-A- 9			W6PKY	45,140- 210- 78-C-17				
6		Michigan		W6PKY	40,584- 152- 89-C-24				
East Bay		W8FF	280,140- 805-116-C-51	W6PKY	45,140- 210- 78-C-17				
W6PM	341,649- 561-203-C-49	W8TWA	158,000- 528-125-C-54	W6PKY	45,140- 210- 78-C-17				
K6JB	32,436- 159- 68-C-20	K8LJG	126,351- 303-139-C-49	W6PKY	45,140- 210- 78-C-17				
WA6BFL	8400- 80- 35-B-24	K8CVU	27,255- 115- 79-B- 8	W6PKY	45,140- 210- 78-C-17				
W6RQZ	3024- 56- 18-B- 6	W8WV	20,898- 129- 54-C-35	W6PKY	45,140- 210- 78-C-17				
W6EJA	2394- 57- 14-B- 6	W6BAPD	19,440- 108- 60-A- 7	W6PKY	45,140- 210- 78-C-17				
Los Angeles		W6BDCR	7560- 63- 40-B-15	W6PKY	45,140- 210- 78-C-17				
N6AA	1,993,680-2556-260-C-92	Ohio	1,123,470- 1387-270-C-69	W6PKY	45,140- 210- 78-C-17				
K6AC(N6TR,opr.)	1,733,487-2231-259-C-90	K8RMK	985,344-1283-256-C-75	W6PKY	45,140- 210- 78-C-17				
W6AM(W6BH,opr.)	647,160- 1269-170-C-40	W8RSW	566,955- 879-215-C-50	W6PKY	45,140- 210- 78-C-17				
K6MP	56,528- 252- 88-C-19	W8ZCQ	299,796- 602-166-C-65	W6PKY	45,140- 210- 78-C-17				
W6UQK	56,826- 246- 77-C-24	W8BO	108,585- 285-127-C-30	W6PKY	45,140- 210- 78-C-17				
W6RZ	34,500- 230- 50-A-46	W8GOC	107,508- 289-124-C-35	W6PKY	45,140- 210- 78-C-17				
K6YFZ	6231- 67- 31-C-17	W8YGR	84,864- 208-136-A-21	W6PKY	45,140- 210- 78-C-17				
Orange		K8KMF	56,256- 91- 31-B-15	W6PKY	45,140- 210- 78-C-17				
KGOS	425,088- 864-164-C-70	W8NPF	32,436- 159- 68-C-5	W6PKY	45,140- 210- 78-C-17				
K6TXA	200,124- 654-102-C-32	W8GS	31,968- 148- 72-C-30	W6PKY	45,140- 210- 78-C-17				
WB6PYX	137,209- 486- 99-C-	W8BSV	25,752- 116- 74-C- 4	W6PKY	45,140- 210- 78-C-17				
WA6FIT	13,764- 124- 37-A-	K8MLW	2784- 32- 29-C- 7	W6PKY	45,140- 210- 78-C-17				
WB6BVG	11,583- 99- 39-A-17	West Virginia	8	W6PKY	45,140- 210- 78-C-17				
Santa Barbara		W8AH	466,521- 737-211-C-60	Canada	329,208- 638-172-C-61				
K6WI	220,440- 668-110-C-42	W6EYV	VE4XJ	159,093- 453-117-C-30	Maritime-Newfoundland				
W7CB/6	210,795- 611-115-C-24	W6WV	VE4MP	14,040- 90- 52-C-36					
W6PN	154,245- 455-113-C-49	W6VWH	VE5DX	656,292-1202-182-C-90	Northern Texas				
ND6DE	142,911- 711- 67-C-39	W6VLI	VE1BKYU	351,120- 770-152-C-72					
WA6GTL	34,506- 213- 54-C-30	W6VKT	VE2AYU	229,758- 514-149-C-30					
WA6VBS	19,008- 176- 36-C-17	W6VW	VE2WA						
Santa Clara Valley		Illinois		W6PKY					
K9DX	1,697,124-1892-299-C-91	K9KWD	W6PKY						
W6PAH	1,115,100-1239-300-C-40	W6VBL	W6PKY						
K6RU	693,780- 942-155-C-74	K9UKM	W6PKY						
W6HOC	303,960- 680-149-C-41	W6VCH	W6PKY						
W6ATO	99,876- 406- 82-C-53	K9WCH	W6PKY						
K6BR	78,447- 331- 79-C-19	W9RX	W6PKY						
W6PAH</									

		Maine	Northern Florida	Washington	W1BB/1	969-	19-	17-A-	9
2	Eastern New York	W1HWL 159,216- 496-107-B-36	W4WHK 258,534- 542-159-C-60 WB4CTI 7584- 79- 32-C-10 W4EEO 4800- 40- 40-A-20	WA7OBL 213,624- 774- 92-C-53 WA7OM 176,664- 60- 26-C-41 WA7TJM 167,700- 70- 70-C-52 WA7JCB 160,512- 704- 76-C-36 W7WMO 82,080- 380- 72-B-34 W7APN 56,880- 316- 60-C-11 W7BUN 29,193- 263- 37-C-14	New Hampshire				
	W2PV(+K1ZZ,W1CW,WA1NNC, K2TTG,WA2SP,LWB2SAXY CKO OEU) 4,655,016-3748-414-C-96	K1FWF 348,552- 824-141-C-56 W1HMF 91,485- 321- 95-B-4 W1GME 30,378- 166- 61-C-19 W1NH 5808- 44- 44-B- 6 WB1AHX 2418- 31- 26-A- 8	WB4NR1 53,580- 235- 76-C-48 WB4WOK 12- 2- 2-A- 1						
	K2CW(multiop) 1,526,382-1779-286-C-89	Rhode Island	Southern Florida	Michigan					
3		W1GYV 57,204- 227- 84-B-35 W1YNE 27,594- 146- 63-C-12 WA1YKW 561- 17- 11-A- 4	W4NQI 40,581- 167- 81-C-34 WD4CWL 7098- 62- 43-B-22 W4NTE 6237- 63- 34-B-19	K8ETO 473,229-1031-153-C-66 K8QVG 18,252- 117- 52-B-22 WB8DTT 12,324- 79- 52-B-9 WA8KME 10,062- 86- 39-C- 7 WA8RXI 7854- 77- 34-B- 6	Western Massachusetts				
	Delaware		Tennessee	Ohio	Eastern New York				
	W3SL(multiop) 24,156- 122- 66-C-18	Western Massachusetts	Virginia	K8UQA 402,705-1413- 95-C-60 K8RMM 153,300- 511- 100-A-40 WB8RIJ 106,080- 340-104-C-35 K8PQZ 101,850- 350- 97-B-40 WB8QIS 35,991- 279- 43-C-29 WB8QOM 21,114- 138- 51-C-21 WB8QV 60,936- 60- 109- 53-A-15 K8VNA 17,954- 109- 53-A-15 WB8QY 6564- 59- 32-B-30 WB8RT 1794- 26- 23-B- 7	W2HHC 154,344- 472-109-C-36 W2IB 143,016- 404-118-C-2				
	Eastern Pennsylvania	K1DKX 277,851- 917-101-C-60 W1AUT 11,004- 131- 28-C-18 K1KNQ 3402- 42- 27-C- 4	N4ZZ 178,176- 512-116-C-25 WA4FDR 102,144- 304-112-C-17 WB4WFT 44,280- 180- 82-B-14 WA4MKU 38,151- 157- 81-A-23		Northern New Jersey				
	N3RS(+N3RD,W3IFG,WA3ss FFR, LRO) 5,821,140-4420-439-C-96 W3GM(+K3S JLT KPV, W3s DT GID, WA3s M) 2,748,636-2524-363-C-96	2			WB2CST 45,225- 225- 67-C-30 WB2VFT 2415- 35- 23-B- 2				
	WA3NNA(+W3GRS) 1,225,008-1448-282-C-90 W3GU(+K3CY) 670,800-1040-215-C-51	W2AO 237,696- 619-128-C-36 WA2MBB 3105- 45- 23-B-5 WB2WRR 2109- 37- 19-A-10 WB2CRV 2016- 32- 21-C- 5	N4MM 711,810-1438-165-C-50 K4HLJ 344,871- 723-159-C-49 K4ZVS 125,664- 374-112-C-49 N4XD 116,358- 451- 86-C-49 WA4MSX 11,454- 83- 46-A- 6 W4ZM 4410- 42- 35-B- 2 WA4SGV 150- 10- 5-A- 1		Western New York				
	Maryland - D.C.	N.Y.C.-L.I.		9	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7				
	W3FA(+K3NA,W3ABC,WA3s QIA TOE ZAS,WB8JW) 2,812,242-2686-349-C-96 W4NL(3+W3NL,W3A3s AFQ NGS, K4s FJ WVT,W6AXX) 2,748,636-2524-363-C-96	WB2PYM 526,131-1103-159-C-45 W2BA 302,742- 726-139-A-65 W2NY(WA2YQG,opr.) 296,604- 749-132-C-41	5	Illinois					
	Western Pennsylvania	W2AYJ 165,912- 446-124-C-26 WA2ZBW 130,500- 375-116-A-40 W2GC 73,377- 263- 93-C-19 WB2AMU 72,105- 253- 95-B-40 WB2GDZ 63,666- 262- 81-C-21 WB2WY 59,835- 155- 51-B-18 WA2PNY 29,835- 155- 51-B-18 W2KZR 4116- 49- 28-C- 5 K2VWN 12- 2- 2-B- 1	Arkansas	W9NLR 233,160- 580-134-C-42 W9FT 89,178- 334- 89-C-30 K9UQN 65,493- 383- 57-C-22 WB9HAD 45,342- 229- 66-C-60 K9MMS 36,000- 200- 60-B-125 W9QWM 24,000- 125- 64-B-9 W9TBN 12,402- 78- 53-A-26 WB9QGU 2673- 33- 27-B- 9	Eastern Pennsylvania				
	W3TV(+W3s AOH VW) 1,697,706-1899-298-C-60	K5KLA 106,260- 322-110-C-23	Louisiana	Indiana	K3NPC 9675- 75- 43-B-20				
4	Virginia	Northern New Jersey	Mississippi	WA9LHI 821,100-1564-175-C-58 W9LTT 554,580-1185-156-C-54	Maryland - D.C.				
	W4BVV(+WA1JLD,K3OAE,W3ZZ, WA3AMH,K4s GKD YF,W8RL,C- K0DDA) 5,464,440-4236-430-C-96	W2EQK 344,304- 797-144-C-55 W2F 248,350- 142- 50-C-20 WB2RWY 225,566- 647-116-C-20 W2FWY 20,961- 137- 51-C-30 WB2GO 9315- 69- 45-B-14 WA2PCF 8670- 85- 34-C-5 K2EAC 600- 20- 10-B- 3 WB2ASD 360- 12- 10-B- 1	New Mexico	WB5KIW 15,903- 93- 57-B-28 W5TVX 11,040- 115- 32-B-72	WA3SWF 51,000- 200- 85-C-20				
5	Northern Texas	Southern New Jersey	Northern Texas	W9WFT 131,544- 378-116-C-36 WB9CE 48,837- 223- 73-B-27 WB9FZ 15,105- 95- 53-A-36	Georgia				
	WA5LES(+K5s AAD KG LWL WA, W5s VAH VQ VX,WA5s OCN ZNY, N5AM) 4,456,722-3742-397-C-96	W2SEC 140,580- 426-110-B-41 WB2ABM 70,864- 359- 92-B-46 W2FBF 39,000- 200- 65-C-11 WB2ZL 28,116- 142- 66-C-11 WB2HAZ 6840- 57- 40-A- 5	Mississippi	WB9BIO 50,358- 218- 77-B- WB9TS 45,069- 181- 83-A-40 WB9NME 28,359- 137- 69-B-21	Western Pennsylvania				
	WA5YVA(+W5s BJA ZSX,WA5UCT, WB5IZN) 2,092,953-1999-349-C-96	WA2BZX 99,084- 359- 92-B-46 W2ES 39,600- 264- 50-B-21 W2FB 39,000- 200- 65-C-11	New Mexico	WB9BIO 50,358- 218- 77-B- WB9TS 45,069- 181- 83-A-40 WB9NME 28,359- 137- 69-B-21	Northern Florida				
	Southern Texas	WA5VUW 170,430- 437-130-C-51 WB5SSB 7881- 71- 37-C- 9 WB5PIP 1701- 27- 21-A-10	Wisconsin		Western Pennsylvania				
6	East Bay	WA2BZ 99,084- 359- 92-B-46 W2FB 39,600- 264- 50-B-21 W2FB 42,408- 146- 76-C-48 W2CX 24,966- 146- 57-C-10 WA2ABN 11,421- 81- 47-A-32	Southern Texas	WB9BIO 314,415- 685-153-A-40 WB9WCR 167,805- 495-113-C-54 WB9VWB 18,054- 102- 59-B-25	Virginia				
	K6ZM(+K6ST1,W6UZX,WA6s DGX VEF,WB6s CEP OGT) 1,957,446-2529-258-C-96 W6RGG(+K6RM) 907,410-1490-203-C-96	3	East Bay	WB9BIO 314,415- 685-153-A-40 WB9WCR 167,805- 495-113-C-54 WB9VWB 18,054- 102- 59-B-25	Georgia				
	WA6BMV 11,448- 106- 36-C-10	WA6BMV 11,448- 106- 36-C-10	Iowa	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Northern Florida				
	Eastern Pennsylvania	W6AQ 179,487- 777- 77-C-64	Missouri	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Western Pennsylvania				
	Orange	W3JO 248,352- 796-104-C-55 W3BB 81,864- 379- 72-C-28 WA3YXB 57,591- 237- 81-C-40 WA3SZV 29,892- 188- 53-C-21	Southern Texas	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Virginia				
	W6BA(+N6AV,WA6DGQ,WB6FCE) 1,741,680-2460-236-C-96	W3DRD 5304- 52- 34-B- 8	Los Angeles	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Georgia				
	Santa Clara Valley	Maryland - D.C.	Minnesota	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Northern Texas				
	W6NLZ(+WB6s LPK OOL) 1,146,303-1901-201-C-96 W6YX(WB5MA,WA6ITV,WB6ZUC WA7s MMK MQX, oprs.) 928,404-1517-204-C-96	W3GRF 673,575-1283-175-C-50 W3GQ(WA3VQ,opr.) 157,600- 658- 80-C- W2SR 15,831- 233- 99-C-27 W3ZSR 43,473- 337- 43-C-10	Mississippi	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	North Dakota				
8	Michigan	K4KWE/3 41,382- 209- 66-C- W3ML 28,908- 95- 37-B- 6 WA3YMA 21,924- 126- 58-A-10 W3EE 12,393- 81- 51-B-23	Orange	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Maritime-Newfoundland				
	W8ROF(+K8LJR,W8s HBK KPL SRK,WA8s LYF RYE) 1,687,260-1844-305-C-96	WA3SZX 717,933-1433-167-C- K3DR 9009- 77- 39-C- 7 W3BRG 168- 8- 7-A- 4	Santa Barbara	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	WA6ZN(K6LL,opr.)				
	W9YYG(multiop) 866,592-1224-236-C-78	Alaska	Ontario	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	San Diego				
	Indiana	W4RAL 10,800- 72- 50-A- KAGUS 6084- 52- 39-B-10 WB4KWK 390- 13- 10-A- 1	Minneapolis	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Orlando				
	W9CL(multiop) 2,165,772-2242-322-C-94	WB4ABT 123,600- 400-103-C-30 WB5ZB 66,912- 328- 68-C-28 WB6FF 52,992- 276- 64-C-45	San Joaquin Valley	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Phoenix				
	High Band	WB4ATDH 245,784- 539-152-B-41 K4KZP 191,646- 507-126-C-45 K4BAI 165,504- 431-128-C-21 W4BPP 129,042- 402-107-C-11 W4DXI 84,480- 256-110-C-37	Georgia	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Seattle				
	Connecticut	WB4OPG 80,115- 245-109-A-34 WB4HNC 4752- 48- 33-C-10 WB4WRM 2775- 37- 25-B-16 WB4GXW 3- 1- 1-A- 1	San Joaquin Valley	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	W1HFB 163,305- 573- 95-C-12 K1KWW 113,475- 425- 89-C-52 WA1FCN 33,831- 179- 63-A-3 W1CDC 24,648- 158- 52-C-18 K1WJL 300- 10- 10-A- 4	Kentucky	San Joaquin Valley	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	Eastern Massachusetts	WB4FOT 52,290- 210- 83-A-14 WB4KTR 50,008- 197- 83-C-18 WB4ZCH 9372- 71- 44-A-12	Arizona	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	K1NOL 950,274-1703-186-C-65 W1FJJ 259,968- 677-128-C-32 W4SYL/1 180,942- 569-106-C-17 WIPLJ 4872- 56- 29-B- 8 W1YS 4680- 65- 24-B- 6	North Carolina	Nevada	WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	W1BB/1 969- 19- 17-A- 9			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	New Hampshire			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	W1UN 82,620- 306- 90-C-23 K1CZM 900- 20- 15-A- 6			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	Rhode Island			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	K1TZQ 144,126- 471-102-C-48			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	Western Massachusetts			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	W2BB/1 3690- 41- 30-C- 6			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA1FBX 3690- 41- 30-C- 6			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	2			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	W2VFT 2415- 35- 23-B- 2			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435- 105- 49-A-10	Portland				
	WA2MBM 33,123- 181- 61-C-35 K2VVM 25,944- 184- 47-C-11 WA2ZRI 390- 13- 10-B- 7			WB9BIO 17,100- 100- 57-A-23 WB9PYD 15,435-					

Wisconsin	K2TD W2LYL WB9MOG	99,750- 256-125-C-31 80,976- 241-112-C-10 W2PAU	79,125- 211-125-C-27 77,592- 212-122-C-20 W2FBF	59,892- 217- 92-C-25 21,624- 106- 68-C-2 K2SB W2SDB	2100- 28- 25-C- 6	WA4UBE WA4ADS W4DM K4WVT W4EZ K4ZVS	17,952- 88- 68-B-38 8,280- 60- 46-C- 6 6,786- 58- 39-C- 2 4,950- 50- 33-C- 5 4,257- 43- 33-B- 3 2,652- 34- 26-C- 9	Nevada	Missouri	
Iowa	W0FHE	18,054- 102- 59-C-16	Western New York	WB2LOF K2JZT	136,620- 330-138-A-30 25,545- 131- 65-C-12	Arkansas	W7JUO	28,350- 126- 75-C-31	K0GSV WQYQG WQRJP WPKO W0FF	
Minnesota	WB9ANT K8IHG	22,770- 110- 69-C-35 756- 21- 12-B-	3	W5NF	93,696- 244-128-C-53	Louisiana	K7VIC K7GGY	167,577- 673- 83-C-56 34,365- 145- 79-B-25	W7TML WA7IHN K7VIC K7GGY	
Missouri	WB8NOU WA9FBQ	44,100- 196- 75-C-37 25,530- 115- 74-C-45	Delaware	K5KLA KSUA WSOB WA5WEY	632,610- 781-270-C-62 66,054- 218-101-C-1 26,352- 122- 72-C-18 6150- 50- 41-C-1	Utah	W7HS WA7HCQ	143,640- 360-133-C-55 43,890- 249- 70-C-27	W7TML WA7IHN K7VIC K7GGY	
Phone	W0FNOU WA9FBQ	13,680- 80- 57-B-18	Eastern Pennsylvania	New Mexico	K7DZ W7MAD K7MOK W7BRU W7WMY	1,250,571-1921-217-C-72 736,485-1327-185-C-72 252,920- 781-187-C-40 100,005- 555- 97-C-24 102,018- 347- 98-C-41	Nevada	Missouri		
Canada	W3JSX W3GSD W3GMR	1,857,240-1848-335-C-75 46,904- 766-248-C-69 46,904- 766-248-C-69	Alberta	W3KHB W3KFQ K3WOK K3MFB K3KAC W3A3MH W3GRS K3AWZ W3ALB	285,354- 498-191-C-70 277,368- 508-182-C-36 234,741- 463-169-C-60 223,200- 775- 96-C-23 23,675- 385-185-C-1 18,628- 385-322-C-56 18,628- 385-185-C-56 129,210- 295-146-C-20 87,630- 230-127-C-21 82,836- 236-117-C-22	Northern Texas	K5EVK K5VTA W5VOQ	161,352- 332-162-C-40 362,355- 493-245-B-66 72,468- 198-122-C-27	Nebraska	North Dakota
U.S.A.	VE6AYX	405- 15- 9-B-12	U.S.A.	W3WD	13,680- 80- 57-B-18	Washington	W7HS WA7HCQ	143,640- 360-133-C-55 43,890- 249- 70-C-27	W7TML WA7IHN K7VIC K7GGY	
Single-Op	1	1,691,352-1668-338-C-71	Connecticut	W3BGN W3JSX W3GSD W3GMR	54,100- 188- 96-C-96 30,996- 82-146-C-6 15,660- 80- 58-C-96 1800- 30- 20-C-3	New Mexico	K7DZ W7MAD K7MOK W7BRU W7WMY	736,485-1327-185-C-72 252,920- 781-187-C-40 100,005- 555- 97-C-24 102,018- 347- 98-C-41	W7TML WA7IHN K7VIC K7GGY	
WA1STN(WA1JLD opr.)	W1HFB	506,100- 700-241-C-29	Maryland - D.C.	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Oklahoma	Wyoming	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1YGB	W1YGB	892,920-1063-280-C-3	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Wyoming	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1SAH	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	Missouri	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	North Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K7VIC K7GGY	South Dakota	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	W3AP W3MM W3DT	30,996- 82-146-C-6 1800- 30- 20-C-3	Michigan	W5JME K2GKK/5	84,963- 223-127-C-50 42,390- 157- 90-A-30	W7TML WA7IHN K7VIC K7GGY	
WA1WCR	W1VVA	506,100- 700-241-C-29	WA1STN(WA1JLD opr.)	K5LWL W5BEE W5TSQ W5LUU W5HGS	1,908,498-1777-358-C-91 123,216- 272-151-C-52 281,133-C-36 84,366- 218-129-B-32 68,400- 200-114-C-26	Michigan	Michigan	W7TML WA7IHN K		

3	W6RR(+W6BHY) 1,521,300-1844-275-C-70	Alberta	8	W3JO WA3BRW WA3EWL WA3EB WA3GQ K3DPQ	87,525- 389- 75-C-46 61,983- 213- 97-C-34 218,160- 505-144-B-56 61,822- 198-103-B-50 48,079- 297- 60-C-35 824,720- 72- 99-C-12 3069- 33- 31-C-3				
Delaware	K6SE(+WA2TH,V7KUI) 788,499-1109-237-C-63	W7AEK/VE6(+VE6BET,VE8RO) 112,575- 475- 79-C-55	Michigan						
W3NX(+W3s DRD HB) 505,344- 658-256-C-82	Santa Clara Valley	Northwest Territories	W8NGO(+W8KR,W8ONA) 236,844- 459-172-C-54	Maryland - D.C.					
Eastern Pennsylvania	N6MG(+WA6PGB,2Mtr Net) 1,762,236-1998-294-C-96	VE8ML(multiop) 182,988- 884- 69-C-96	9	W3ZSR W3EWL WB3DET W3PWO W3GZP N3US W3JPT W3EJJ W3RSK WA3YMA WA3UHJ N3II WA3ROX W3CM W3ML	453,960- 776-195-C-45 218,160- 505-144-B-56 206,550- 675-102-C-56 144,102- 329-145-C-56 95,472- 272-117-C-96 76,986- 273- 94-C-10 75,000- 250-100-B-25 51,200- 259- 88-C-35 28,350- 127- 98-B-30 21,816- 101- 72-C-12 19,992- 98- 68-A-10 18,300- 100- 61-C- 6 17,784- 114- 52-A- 5 8640- 72- 40-C-19 7242- 71- 34-A-15 396- 12- 11-B- 1				
W3US(+N3II,WA3TZT,K8ETO) 1,426,572-1428-333-C-89	WA3YHT(multiop) 1,401,540-1645-284-C-48	Multi-Multi	K9DX(+K9MM,WA9LZA) 1,878,438-1858-337-C-92	Illinois					
W3DHM(multiop)	K6MA(+ 2Mtr Net) 180,180- 420-143-C-31	U.S.A.	WA9PBK(+W9V'Y) 1,114,350-1150-323-C-78	New Hampshire					
W3YFV(multiop)	K6OP(multiop) 48,000- 250- 64-C-29	1	W1RR(+K1s LPA PLX VBL,W1s FJI GQO,WA2s CLQ EKH,WB2s HZH JAM,W4SYL) 6,450,000-4300-500-C-96	High Band					
W3KT(+(+net)) 140,895- 303-155-C-96	W6CF(+ 2 mtr net) 39,846- 229- 58-C-96	New Hampshire	W1RR(+K1s LPA PLX VBL,W1s FJI GQO,WA2s CLQ EKH,WB2s HZH JAM,W4SYL) 6,450,000-4300-500-C-96	U.S.A.					
WA3NAF(+WA3SXU) 136,320- 284-160-B-18	W6ZYC(multiop) 34,476- 169- 68-C-26	K6CN(multiop) 15,072- 157- 32-C- 9	1	W1RR(+K1s LPA PLX VBL,W1s FJI GQO,WA2s CLQ EKH,WB2s HZH JAM,W4SYL) 6,450,000-4300-500-C-96	Connecticut				
Maryland - D.C.	San Francisco				Western Pennsylvania				
W3BWB(+W3NL,WA3NGS,K4FJ, WA3KOC(+K3AVT,WA3KQM)) 1,068,408-1254-284-C-91	W6BIP(multiop) 452,412- 852-177-C-75	2	WA1OBY(WA1QGC,ops.) 317,760- 662-160-C-62	Eastern New York	WA3SZX W3PIX W3AUXP W3RQD	90,099- 273-111-C-15 36,450- 162- 75-B-25 30,015- 145- 69-C-30 3120- 80- 53-A-25 2484- 36- 23-C- 3			
K3GJD(+W6A3L,UR0 VUQ) 1,058,396-1082-326-C-82	San Joaquin Valley		W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	292,422- 598-163-C-57 173,280- 380-152-C-38 126,385- 347-118-C-35 95,678- 295-102-C-35 30,000- 100-100-C-22 18,513- 121- 51-C-10 6156- 76- 27-B-10 3870- 43- 30-B- 6 972- 18- 18-C-10 828- 23- 12-C- 3	4			
LU1BAR(WA2LBB,WA3LBB) 416,091- 611-227-C-76	K6AYA(+K6TE,WA6OEC,WB6UJD) 554,151-1093-169-C-60	K6AO(multiop) 446,880- 784-190-C-56	K6YK(multiop) 43,260- 206- 70-C-13	Northern New Jersey					
W3ZH(W3s HVG TUX,ops.) 7722- 66- 39-C- 7	W2PV(+K1s AR OME ZZ,WA1s JKJ NNC QZH,K2VV,WB2SPL) WB2s AXY CKO MZE OEU	W2CW(multiop) 1,438,863-1513- 317-C-84	K2CW(multiop) 1,438,863-1513- 317-C-84	Eastern Massachusetts	Alabama				
Western Pennsylvania	K6YK(+multiop)	7	WA1OBY(WA1QGC,ops.) 317,760- 662-160-C-62	Eastern New York	WA1OBY(WA1QGC,ops.) 317,760- 662-160-C-62				
K3HZL(+W3GXF,WA3FYJ) 762,912- 883-288-C-74	Arizona		W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	292,422- 598-163-C-57 173,280- 380-152-C-38 126,385- 347-118-C-35 95,678- 295-102-C-35 30,000- 100-100-C-22 18,513- 121- 51-C-10 6156- 76- 27-B-10 3870- 43- 30-B- 6 972- 18- 18-C-10 828- 23- 12-C- 3	4			
4	W8FAW/4(+WN4KKN,2mtr net) 499,260- 628-265-C-40	W7RUK(multiop) 297,864- 591-168-C-44	3	W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	Eastern New York	Alabama			
Nevada	W8FAW/4(+WN4KKN,2mtr net) 499,260- 628-265-C-40	W3SL(multiop)	7524- 76- 33-C-17	W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	Eastern Pennsylvania	Georgia			
Georgia	WA4PUJ(multiop)	787,516- 286-102-C-70	7	W1GSH W1BMY W1AWRG W1KXH W1DC W1OR W1AUUCY W1KKF W1WVX WA1NGL	Eastern Pennsylvania	Alabama			
WA44PUJ(multiop)	Washington		K1GCK W2EVY/1 WA1UH W1HSS K5GDE/1 W1TSP W1PLJ N1EE	K1GCK W2EVY/1 WA1UH W1HSS K5GDE/1 W1TSP W1PLJ N1EE	K1GCK W2EVY/1 WA1UH W1HSS K5GDE/1 W1TSP W1PLJ N1EE	K4MG K4ZGB W4RAL K4KZP W4HNC W4OPG WB4TQP WB4PZ WB4RAV K4BAI W4GXW	113,652- 287-132-C-29 6,384- 56- 38-A- 5 '5544- 56- 33-A-96		
Kentucky	K7RSC(+W6L,WA3LBB) 1,377,978-2107-218-C-70	W7VRO(+W7s DQM EKM WA72ZWG) 1,298,909-1698-255-C-96	W2PV(+K1s DZB WJV,WA3s LNMs RID) 3,518,343-2799- 419-C-96	W1HHL	205,920- 528-130-B-36	Connecticut	Western Pennsylvania		
WB4NTB(WA4UNJ,WB4OEM,ops.) 169,128- 324-174-C-65	North Carolina	WA7URW(multiop)	352,230- 995-118-C-40	W3WGM(+K3C JLT KPV,WA3s JYB WIM) 3,221,904-2408-446-C-96	Delaware	W1HHL	205,920- 528-130-B-36		
WA4APU(+K4s CEB MQG NLH, WA4s RJX UPA VCC,WB4s IZP LBJ)	8	WA7NIN(+W6OAT,WA6JUD, WB6CEP)	1,601,235-2065-273-C-90	W3WGM(+K3C JLT KPV,WA3s JYB WIM) 3,221,904-2408-446-C-96	Eastern Pennsylvania	W1HHL	205,920- 528-130-B-36		
WA44PUJ(multiop)	Washington		K3WW(+K3s DZB WJV,WA3s LNMs RID) 3,518,343-2799- 419-C-96	W1HHL	205,920- 528-130-B-36	Alabama			
Kentucky	K7RSC(+W6L,WA3LBB) 1,377,978-2107-218-C-70	W7VRO(+W7s DQM EKM WA72ZWG) 1,298,909-1698-255-C-96	W2PV(+K1s DZB WJV,WA3s LNMs RID) 3,518,343-2799- 419-C-96	W1HHL	205,920- 528-130-B-36	Georgia			
WB4NTB(WA4UNJ,WB4OEM,ops.) 169,128- 324-174-C-65	North Carolina	WA7URW(multiop)	352,230- 995-118-C-40	W3WGM(+K3C JLT KPV,WA3s JYB WIM) 3,221,904-2408-446-C-96	Eastern Pennsylvania	W1HHL	205,920- 528-130-B-36		
WA4APD(+K4s CEB MQG NLH, WA4s RJX UPA VCC,WB4s IZP LBJ)	8	WA7NIN(+W6OAT,WA6JUD, WB6CEP)	1,601,235-2065-273-C-90	W3WGM(+K3C JLT KPV,WA3s JYB WIM) 3,221,904-2408-446-C-96	Eastern Pennsylvania	W1HHL	205,920- 528-130-B-36		
WA44PUJ(multiop)	Michigan		K3WW(+K3s DZB WJV,WA3s LNMs RID) 3,518,343-2799- 419-C-96	W1HHL	205,920- 528-130-B-36	Alabama			
Northern Florida	K8IDE(+11MOL,K8s ED IAD) 1,274,625- 305-1375-309-C-96	W3LPL(+WA2LQZ,WB3s AJQ AVN, WB4SGV)	3,341,739-2549-437-C-96	W1HHL	205,920- 528-130-B-36	Georgia			
WA4UFW(+WA4PVT,WA4YKU) 258,300- 492-175-C-43	WA8VZU(+WA8PFP,WDB8WS)	W3FAW(+WA3s LJP QIA TOE ZAS, WB8WJL) 2,472,336-2124-388-C-96	W3FAW(+WA3s LJP QIA TOE ZAS, WB8WJL) 2,472,336-2124-388-C-96	W1HHL	205,920- 528-130-B-36	Alabama			
WB4OKY(multiop)	Ohio	W3TGM(multiop)	609,042- 853-238-C-78	W1HHL	205,920- 528-130-B-36	Georgia			
Southern Florida	K8RMK(+K8MR,WA8UQH) 858,600-1060-270-C-90	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	192,390- 530-121-A-48	W1HHL	205,920- 528-130-B-36	Maine			
WA4LZR(multiop)	W8OKF(+WB8MMF) 344,520- 522-220-C-58	W3LPL(+WA2LQZ,WB3s AJQ AVN, WB4SGV)	192,390- 530-121-A-48	W1HHL	205,920- 528-130-B-36	Alabama			
W4SME(multiop)	W8LBT(WA1LKU,WA8YBT,WB8s IBZ ICQ JXS TXE,ops.) 224,640- 390-192-C-67	W3TGM(multiop)	1,965,960-1720-381-C-96	W1HHL	205,920- 528-130-B-36	Georgia			
Tennessee	W4MII(multiop)	8	W1HHL	205,920- 528-130-B-36	Maine				
K4TTA(+W4NPB,RIM) 576,612- 684-281-C-75	Illinois	W3AU(+WA1FEQ,K3EST,W3s AZD IN,WA3HRV,W6UM,WCIK)	192,390- 530-121-A-48	W1HHL	205,920- 528-130-B-36	Alabama			
K4LN(+K4s APH IAF LSP,WA4DMS, WA4s EJX LOE MCZ QDQ ZAL, WB4s NIR RJJ RRJ)	W9RX(+ 2 meter net) 1,062,999-1077-329-C-94	W9KNI(multiop)	5,465,442-367-343-95-C-96	W1HHL	205,920- 528-130-B-36	Georgia			
Virginia	K8IDE(+11MOL,K8s ED IAD) 1,274,625- 305-1375-309-C-96	W9KNI(multiop)	5,465,442-367-343-95-C-96	W1HHL	205,920- 528-130-B-36	Maine			
W4OW(multiop)	WA8VZU(+WA8PFP,WDB8WS)	W3TGM(multiop)	609,042- 853-238-C-78	W1HHL	205,920- 528-130-B-36	Alabama			
5	WA8VZU(+WA8PFP,WDB8WS)	W3TGM(multiop)	609,042- 853-238-C-78	W1HHL	205,920- 528-130-B-36	Georgia			
Arkansas	W5DX(+WA5s RTG SDT,WB5YEM) 907,515-1005-301-C-96	Colorado	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Maine			
Louisiana	W5DX(+WA5s RTG SDT,WB5YEM) 907,515-1005-301-C-96	W5DX(+WA5s RTG SDT,WB5YEM) 907,515-1005-301-C-96	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Alabama			
W5WMU(+K5YMY) 2,334,375-2075-375-C-96	Minnesota	W5WMU(+K5YMY) 2,334,375-2075-375-C-96	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Georgia			
Northern Texas	W5WMU(+K5YMY) 2,334,375-2075-375-C-96	Missouri	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Maine			
W5TMN(+WA5s JMK RXT, WB5AFX)	W5TMN(+WA5s JMK RXT, WB5AFX)	K0AZV(multiop)	1,631,080- 510-236-C-96	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Alabama		
WB5MWZ(+WB5PIP) 73,395- 233-105-C-35	Missouri	W5TMN(+WA5s JMK RXT, WB5AFX)	1,631,080- 510-236-C-96	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Georgia		
Southern Texas	W5TMN(+WA5s JMK RXT, WB5AFX)	W5TMN(+WA5s JMK RXT, WB5AFX)	1,631,080- 510-236-C-96	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Maine		
K5PFL(+K5s NA WA,WB5OOW) 444,675- 605-245-C-83	Maritime - Newfoundland	W5TMN(+WA5s JMK RXT, WB5AFX)	1,631,080- 510-236-C-96	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Alabama		
K5LZO(multiop)	1,291,642-2266-429-C-96	VE1UNB(VE1s BCZ BEC BHA BJ QT,ops.) 142,848- 372-128-B-40	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Georgia		
5	1,291,642-2266-429-C-96	VE1UNB(VE1s BCZ BEC BHA BJ QT,ops.) 142,848- 372-128-B-40	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Maine		
Arkansas	W5LZO(multiop)	1,291,642-2266-429-C-96	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Alabama		
6	W5LZO(multiop)	1,291,642-2266-429-C-96	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Georgia		
East Bay	W6GHF(+WA6DG,X,2Mtr Net) 1,201,464-1804-222-C-96	VE3DFH(+VE3s BZP CDZ DPG ELI EPJ FOU GNF GNP GHF,K8IFE, W8GLC) 295,260- 532-185-C-96	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Alabama		
W6GHF(+WA6DG,X,2Mtr Net) 1,201,464-1804-222-C-96	Manitoba	VE4EW(+VE4AH) 378,504- 751-168-C-36	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Georgia		
W6GHF(+WA6DG,X,2Mtr Net) 1,201,464-1804-222-C-96	Saskatchewan	VE4EW(+VE4AH) 378,504- 751-168-C-36	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Maine		
W6GHF(+WA6DG,X,2Mtr Net) 1,201,464-1804-222-C-96	Los Angeles	VE4EW(+VE4AH) 378,504- 751-168-C-36	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Alabama		
W6YRA(K1TOL,K6SVL,WA6MLZ, WB6ICK,WA7DAC,WB6MRU, ops.) 1,694,250-2250-251-C-96	Saskatchewan	VE5RG(VE5s DX UG) 703,485- 965-243-C-96	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Georgia		
W6YRA(K1TOL,K6SVL,WA6MLZ, WB6ICK,WA7DAC,WB6MRU, ops.) 1,694,250-2250-251-C-96	Los Angeles	VE5RG(VE5s DX UG) 703,485- 965-243-C-96	W5TMN(+WA5s JMK RXT, WB5AFX)	W4ZTW WA4EYR W4WHK W4EWD W4EEO W4JLU W4PSL	W1HHL	205,920- 528-130-B-36	Maine		

UA9FGF	726- 22- 11-A-	Low Band	Multi-Single	High Band	OK1KGS(OK1DPB oprs.)		
Low Band		DK3KD D6QZ DA2LJ DK3FB DK6PY DJ2YE	G16YGM(G13s AXI JV SKH,G15UR oprs.) 175,560- 760- 77-A-	LAR8CJ LAR6XU LASHS LA2BG LA7FJ LA2Q LA3UF LA4WB LA7HJ LA8ML LA8OM LA3UG LA7SI LA6XT	1224- 34- 12-A- OK3CJX OK1DXZ OK2LN Multi-Single OK1KSO(multilop) 1,186,800-2300-172-B-88		
UA9CBW	6768- 141- 16-B-	D55PUL DM3XM DM9AAG DM3BE DM2CXE DM3XMD DM3IC DM2AJH DM2COJ DM2CJJ DM2BOH DM5CCM DM2DEO	149,352- 508- 98-B- 143,472- 488- 98-A- 108,630- 426- 85-A- 62,238- 253- 82-A- 51,840- 240- 72-A- 23,712- 208- 52-A- 20,088- 108- 62-B- 13,608- 108- 42-A- 12,804- 97- 44-B- 12,402- 106- 39-A- 5670- 63- 30-A- 498- 63- 26-B- 3078- 63- 23-A- 714- 17- 14-A-	GI3KDR 43,569- 309- 47-A-	128,100- 610- 70-B-31 106,434- 657- 54-31 72,657- 299- 81-B-18 56,826- 287- 66-B- 28,224- 192- 49-A-12 20,445- 145- 47-A- 13,440- 128- 35-A-15 12,220- 115- 36-B- 10,690- 108- 36-A- 8,686- 88- 24-A-14 5301- 57- 31-B- 5133- 59- 29-B- 3155- 55- 19-A- 900- 20- 15-A-	OK3CJX OK1KTL(multilop) 783,000-1740-150-C- 99,560- 460- 72-A- OK3KFO(multilop) 46,230- 230- 67-A- OK1KCI(multilop) 39,780- 204- 65-B- OK2KWI(multilop) 10,584- 147- 24-A-	
Azerbaijan		German Dem. Republic		Scotland			
High Band		DMS5PUL DM3XM DM9AAG DM3BE DM2CXE DM3XMD DM3IC DM2AJH DM2COJ DM2CJJ DM2BOH DM5CCM DM2DEO	149,352- 508- 98-B- 143,472- 488- 98-A- 108,630- 426- 85-A- 62,238- 253- 82-A- 51,840- 240- 72-A- 23,712- 208- 52-A- 20,088- 108- 62-B- 13,608- 108- 42-A- 12,804- 97- 44-B- 12,402- 106- 39-A- 5670- 63- 30-A- 498- 63- 26-B- 3078- 63- 23-A- 714- 17- 14-A-	GM3CFS 703,671-1439-163-A-78	Scotland	128,100- 610- 70-B-31 106,434- 657- 54-31 72,657- 299- 81-B-18 56,826- 287- 66-B- 28,224- 192- 49-A-12 20,445- 145- 47-A- 13,440- 128- 35-A-15 12,220- 115- 36-B- 10,690- 108- 36-A- 8,686- 88- 24-A-14 5301- 57- 31-B- 5133- 59- 29-B- 3155- 55- 19-A- 900- 20- 15-A-	OK1KSO(multilop) 1,186,800-2300-172-B-88
UD6DJT	8976- 88- 34-B-	Multi-Single	GM3ZRC(GM3s LYI XUJ,opr.) 42,336- 252- 56-A-21	Luxembourg	OK1KTFU(multilop) 99,560- 460- 72-A- OK3KFO(multilop) 46,230- 230- 67-A- OK1KCI(multilop) 39,780- 204- 65-B- OK2KWI(multilop) 10,584- 147- 24-A-		
UD6BW	4056- 52- 26-B-						
Georgia		DG5PUL DM3XM DM9AAG DM3BE DM2CXE DM3XMD DM3IC DM2AJH DM2COJ DM2CJJ DM2BOH DM5CCM DM2DEO	149,352- 508- 98-B- 143,472- 488- 98-A- 108,630- 426- 85-A- 62,238- 253- 82-A- 51,840- 240- 72-A- 23,712- 208- 52-A- 20,088- 108- 62-B- 13,608- 108- 42-A- 12,804- 97- 44-B- 12,402- 106- 39-A- 5670- 63- 30-A- 498- 63- 26-B- 3078- 63- 23-A- 714- 17- 14-A-	GM6RV 13,563- 137- 33-A-	Bulgaria	128,100- 610- 70-B-31 106,434- 657- 54-31 72,657- 299- 81-B-18 56,826- 287- 66-B- 28,224- 192- 49-A-12 20,445- 145- 47-A- 13,440- 128- 35-A-15 12,220- 115- 36-B- 10,690- 108- 36-A- 8,686- 88- 24-A-14 5301- 57- 31-B- 5133- 59- 29-B- 3155- 55- 19-A- 900- 20- 15-A-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)
High Band		HU8LM HA5KF HA3GA HA1ZD HA0IG	127,710- 430- 99-A-67 74,613- 323- 77-A-20 70,956- 292- 81-B-26 63,716- 308- 69-A- 22,968- 174- 44-B-	Hungary	LZ1KDP 23,790- 130- 61-B- 5022- 62- 27-B-	182,325- 715- 85-C- 118,500- 500- 79-A- 49,290- 265- 62-A- 40,510- 276- 49-A- 30,559- 276- 40-A- 20,520- 180- 36-A- 20,292- 178- 38-A- 15,990- 130- 41-A- 14,694- 158- 31-A-9 13,965- 133- 35-B- 12,705- 121- 35-A- 12,150- 121- 35-A- 11,550- 110- 40-A- 10,550- 100- 40-A- 9,550- 90- 40-A- 7,725- 103- 25-A- 7,452- 92- 27-A- 7,161- 77- 31-A- 7,110- 79- 30-A-	
UG6GAF	55,125- 525- 35-B-	Multi-Single	LG5A(multilop) HA1KSA(HA1s SV TJ TV YV,opr.) 687,120-1636-140-B-96	Low Band	LX1ML 7395- 85- 29-A-15	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
Uzbek		DG5PUL DM3XMB DM2DXD DM2BLG	51,747- 367- 47-B- 36,636- 284- 43-A- 33,528- 254- 44-A- 29,400- 196- 50-B- 20,736- 192- 36-A- 19,440- 180- 36-A- 18,768- 184- 34-B- 16,392- 169- 33-B- 15,358- 167- 33-B- 12,423- 101- 41-A- 11,931- 97- 41-B- 11,439- 123- 31-B- 10,890- 110- 33-A- 10,890- 110- 33-A- 10,650- 108- 33-B- 10,590- 108- 33-B- 9,480- 158- 20-A- 8,772- 86- 34-B- 3,723- 73- 17-B- 3,558- 56- 21-A- 2,640- 44- 20-B- 2,550- 50- 17-A- 1,260- 35- 12-A- 1,180,892-3709-196-B-84	LG5A(multilop) HA1KSA(HA1s SV TJ TV YV,opr.) 687,120-1636-140-B-96	HG5A(multilop) HA1KSA(HA1s SV TJ TV YV,opr.) 687,120-1636-140-B-96	182,325- 715- 85-C- 118,500- 500- 79-A- 49,290- 265- 62-A- 40,510- 276- 49-A- 30,559- 276- 40-A- 20,520- 180- 36-A- 20,292- 178- 38-A- 15,990- 130- 41-A- 14,694- 158- 31-A-9 13,965- 133- 35-B- 12,705- 121- 35-A- 12,150- 121- 35-A- 11,550- 110- 40-A- 10,550- 100- 40-A- 9,550- 90- 40-A- 7,725- 103- 25-A- 7,452- 92- 27-A- 7,161- 77- 31-A- 7,110- 79- 30-A-	
High Band		HA9KPU(multilop)	598,533-1339-149-B-	Hungary	LZ1KDP 23,790- 130- 61-B- 5022- 62- 27-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UI8ACC	10,710- 119- 30-B-	Multi-Single	LG8U(multilop)	Low Band	LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
Tadzhik		DG5XH DM3XMB DM2DXD DM2BLG	10,890- 110- 33-A- 10,890- 110- 33-A- 10,650- 108- 33-B- 10,590- 108- 33-B- 9,480- 158- 20-A- 8,772- 86- 34-B- 3,723- 73- 17-B- 3,558- 56- 21-A- 2,640- 44- 20-B- 2,550- 50- 17-A- 1,260- 35- 12-A- 1,180,892-3709-196-B-84	LG8U(multilop)	LG8U(multilop)	182,325- 715- 85-C- 118,500- 500- 79-A- 49,290- 265- 62-A- 40,510- 276- 49-A- 30,559- 276- 40-A- 20,520- 180- 36-A- 20,292- 178- 38-A- 15,990- 130- 41-A- 14,694- 158- 31-A-9 13,965- 133- 35-B- 12,705- 121- 35-A- 12,150- 121- 35-A- 11,550- 110- 40-A- 10,550- 100- 40-A- 9,550- 90- 40-A- 7,725- 103- 25-A- 7,452- 92- 27-A- 7,161- 77- 31-A- 7,110- 79- 30-A-	
High Band		HA8KPU(multilop)	598,533-1339-149-B-	Austria	LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7QH	113,529- 533- 71-B-21	Multi-Single	LG8U(multilop)	Low Band	LZ2JF 42,822- 366- 39-B-17	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7NAF	7380- 82- 30-B-				LZ2GS 34,830- 258- 45-A-	182,325- 715- 85-C- 118,500- 500- 79-A- 49,290- 265- 62-A- 40,510- 276- 49-A- 30,559- 276- 40-A- 20,520- 180- 36-A- 20,292- 178- 38-A- 15,990- 130- 41-A- 14,694- 158- 31-A-9 13,965- 133- 35-B- 12,705- 121- 35-A- 12,150- 121- 35-A- 11,550- 110- 40-A- 10,550- 100- 40-A- 9,550- 90- 40-A- 7,725- 103- 25-A- 7,452- 92- 27-A- 7,161- 77- 31-A- 7,110- 79- 30-A-	
Multi-Single		DM4RWL	12- 2- 2-A-	High Band	LG5KJC 93,873- 377- 83-B-50	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UK7PAU(multilop)	2448- 48- 17-A-	Spain	HA5KKK(multilop)	Low Band	LG5KJC 93,873- 377- 83-B-50	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
High Band		EA2IA EA4QB EA2HW EA2CR EA7XQ	2,180,892-3709-196-B-84 479,250-125-142-B 28,860-185- 52-A- 15,444-143- 36-A- 10,275- 137- 25-A-	HA1KZB(multilop)	LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7GAA	18,204- 164- 37-B-	High Band	EA2IA EA4QB EA2HW EA2CR EA7XQ	HA6KZS(multilop)	LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7LCQ	9450- 105- 30-A-			HA9KLL(multilop)	LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7AFD	6624- 96- 23-A-				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7TA	5772- 74- 26-A-				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UK7NAU	105- 7- 5-A-				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
Low Band		EA2OP	139,062- 602- 77-A-19	High Band	HA7MC 227,298- 881- 86-B-31	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
UL7CT	2220- 37- 20-A- 3	Republic of Ireland	EA2OP	High Band	HA7MC 227,298- 881- 86-B-31	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
VS6AF	1518- 46- 11-A-	Multi-Single	E19J E2BBB E1SCP	OH8OS(OH8s SP UT,opr.) 175,065-1061-55-C-	OH8OS(OH8s SP UT,opr.) 175,065-1061-55-C-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
Israel		France	HA6MU HA5BP HA5MX	High Band	OH4RH 84,420- 335- 84-B-4	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
High Band		F8VQF F6EID F5IN F5FB F6ERZ F5TM F2AO	763,329-1561-163-A- 709,326-1506-157-A-53 293,550- 950-103-B-16 77,937- 313- 86-B-19 77,937- 313- 86-B-19 18,378- 258- 86-A-3 14,445- 107- 45-A-38 4347- 224- 805- 93-A- 34,344- 216- 53-A-3 31,044- 199- 52-A-18 20,808- 136- 51-A-10 8640- 96- 30-A-11	LG5A(multilop)	LG5A(multilop)	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
High Band		HA5KMU HA5BP HA5MX	1989- 51- 13-A-10	Low Band	OH1AA(OH1NK,opr.) 66,885- 455- 49-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
Fed. Republic of Germany	10,332- 123- 28-A- 8	Multi-Single	F8TQ F6API F2VO F6BQJ	177,440- 607- 67-B-22	OH1AA(OH1NK,opr.) 66,885- 455- 49-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
DK3BJ	1,635,060-3206-170-C-	Multi-Single	F8TQ F6API F2VO F6BQJ	177,440- 607- 67-B-22	OH1AA(OH1NK,opr.) 66,885- 455- 49-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
D6RX	427,854-1169-121-B-27				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
DLS	29,550- 527- 97-C-32				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
DK5AD	13,202- 200- 434-100-C				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU OK1CJ OK1DKR OK1MIN OK1KIR(OK1DAI,opr.)	
DL7XB	124,689- 476- 89-B-55				LZ1XL 45,696- 238- 64-B-	OK2QX OK2BKR OK3RKA OK4ZP OK4FON OK1ATB OK3BA OK2PAW OK3ZAF OK1DMM OK2BC OK1TV OK3IF OK3CAU	

SM6JY	825-	25-	11-B-	Low Band	UQ2GCN	10,044-	124-	27-B-	OX3OA	1,044,522-2001-174-B-68	Ecuador	
Multi-Single				UA3EAL	3600-	60-	20-A-	UQ2PP	5037-	73-	23-A-	
SK6JA(multiop)	1,216,212-2357-172-B-			Kaliningradsk				UQ2GEC	135-	9-	5-A- 1	
SK7CE(multiop)	697,125-1625-143-B-			UA2EC	131,208-	497-	88-B-	Estonia				
High Band	High Band			UK2RAX	10,488-	92-	38-A-	OX5AB	4872-	58-	28-A-11	
SM3GSK	341,352- 862-132-B-	UA2DP	72,930-	442-	55-B-	High Band			Sint Maarten		Multi-Single	
SM3EVR	316,404-1122- 94-B-	UA2DC	7455-	71-	35-A-						LU8DQ(+LU8DLK) 3,154,932-4092-257-C-77	
SJ9WL(SM4GLC opr.)	72,598- 802-132-B-			UQ2RCU	241,056-1116-	72-B-		PJ8CO(K1CO,WB2s DRW OEU WOI, opr.)*	3,348,072-3796-294-C-48	High Band		
SM5XX	156,510- 705- 74-B-12	Ukraine		UR2AW	24,108-164-	49-A-				Guatemala		
SM5CCM	72,598- 430- 58-B-18			UR2RGM	12,870-	130-	33-A-	VE2AQS/TG9	17,640- 140-	42-B- 3		
SM5AYM	59,334- 341- 58-B-30			Romania				Peru				
SM6FKF	58,800- 280- 70-B-	UB5WCW	40,572-	276-	49-A-	VO9YE	52,650-	270-	65-A-	OA8V	178,875- 477-125-A-18	
SM5AKT	43,326- 249- 58-B-	UB5LAW	26,871-	169-	53-A-	VO3CR	30,912-	184-	56-A-			
SL5BO	33,120- 230- 48-A-	UB5HQ	8787-	101-	29-B-						Netherlands Antilles	
SM7TAED	16,320- 136- 40-B-	UB5AA	3078-	54-	19-A-	Multi-Single						
SM5CK	15,540- 140- 37-B-			UK5HAB(multiop)	47,340-	263-	60-A-	W6QL/PV2A(+W6KG)*	1,399,776-2083-224-A-44	PJ2VD 4,708,935-5285-297-C-69		
SM5RE	10,682- 118- 33-B-			UK5HAB(multiop)	36,942-	262-	47-B-	PJ9JT(W1B1H,opr.)*	2,194,686-2938-249-B-33			
SM5CMF	11,682- 118- 33-B-	UK5UAC(multiop)	20,511-	159-	43-B-	Low Band			St. Kitts		Brazil	
SK2IV(SM2CDF opr.)	11,526- 113- 34-A-			YO3BEJ	12,870-	143-	30-A-	VP2KN(K9OTB,opr.)*	13,407- 109-	PY1NEW 1,122,957-1791-209-B-54		
SM4GMZ	10,890- 110- 33-A-	UK5QBE(multiop)	123,354-	534-	77-B-	VO3AQJ	12,090-	130-	31-A-	PY1BOA 834,861-1457-191-A-		
SM3BQ	8892- 114- 26-A-	UK5KAA(multiop)	56,374-	56-	37-A-	VO7NK	5,070-	65-	26-A-	PY5AHR 119,616- 448- 89-B-53		
SM6GGR	6912- 96- 24-A- 9	UK5UBB(multiop)	22,855-	160-	50-B-	VO4XF	2646-	49-	18-A-	PT2JB 2220- 37- 20-B- 2		
SM7CZC	56,374- 56- 37-A-	UK5LCN	14,652-	148-	33-A-							
SM7FSV	5859- 53- 25-B-	UB5LBI	9,639-	119-	27-A-	Multi-Single						
SM5FXF	3657- 53- 25-B-	UT5LN	8670-	85-	34-A-	YU3ZV(multiop)	2,208,000-3680-200-C-92					
SM4AWG	2592- 48- 18-B-	UB5EA	8112-	104-	26-A-	YU1ELM(multiop)	942,786-2054-153-C-					
SM7VY	2223- 39- 19-B-	UT5HS	4617-	57-	27-B-	YU1GMN(multiop)	506,490-1207-140-C-96					
SM9IX	741- 19- 13-B-	UB5BX	2700-	43-	23-B-	YU5FAM(YU5s CA XAF XRP,opr.)	114,798- 361-105-C-39					
SM7TV	168- 8- 7-B- 2	UB5EW	2,000-	50-	50-B-	YU4ELJ(multiop)	1,174,728- 361-105-C-39					
Low Band	High Band			UB5RS	1782-	33-	18-A-	YU4CFC(multiop)	54,180- 420-	43-B-		
SM5AYY	94,500- 420- 75-B-	UB5UBM	1680-	80-	7-B-	YU1AEP(multiop)	25,200- 240-	35-B-				
SM5CLE	1632- 34- 16-A- 4	UB5LCV	1404-	36-	13-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39					
Poland		UB5HBH	720-	20-	12-A-	YU1ELJ(multiop)	1,174,798- 361-105-C-39					
High Band	High Band			YU3EY	1,897,203-3311-191-C-72							
SP8ECV	923,175-1865-165-B-	YU6ZAN	47,709-	279-	57-A-							
SP7CTY	113,130- 419- 90-B-40	YU4VBR	3675-	49-	25-A-	YU4ELJ(multiop)	1,695,525-3055-185-C-70					
SP2ADW	9180- 102- 30-A-12			YU1JDE(multiop)	187,800-	626-	100-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
SP5FAFL	7521- 109- 23-C-16			YU2CDS(YU2RTM,opr.)	531,630-1790-	99-C-		YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
SP5PKA	6660- 74- 30-A-			YU1INGO	69,192-	372-	62-B-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
SP8FNA	4761- 69- 23-A-			YU1SF	11,172-	98-	38-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
Multi-Single				YU2AAB(multiop)	56,916-	279-	68-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
SP9KRT(multiop)	262,257- 817-107-B-	UC2OAF	5040-	60-	28-B-	YU2AAB(multiop)	41,028-	263-	52-B-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39	
SP7KTE(multiop)	98,880- 412- 80-A-			YU2AAB(multiop)	5928-	76-	26-B-	YU2CTF(YU2RUX,opr.)	76,734- 406-	63-A-		
SP9PDF(multiop)	33,300- 222- 50-A-	UB5ZAT	37,665-	279-	45-B-	YU2CTF(YU2RUX,opr.)	76,734- 406-	63-A-				
High Band	Low Band			UB5IAN	5103-	81-	21-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
SP6PY	27,636- 188- 49-A-	UB5TAG	1755-	39-	15-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39					
SP4GHT	9180- 72- 49-B-11			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP5SP	6732- 66- 34-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP4CB	6048- 72- 28-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP9HP	3952- 55- 19-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP6ATG	1785- 35- 17-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP2JGY	990- 30- 11-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
Low Band				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
White R.S.S.R.				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP6LAZ				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP4QHT				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP5SIP				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP4EG				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP9HP				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP6ATG				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP2JGY				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
Low Band				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SP8MJ	9984- 128- 26-B-	White R.S.S.R.	37,665-	279-	45-B-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39					
SP2JEM	48- 4- 4-A-	UC2OAF	5040-	60-	28-B-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39					
SP7IFM	27- 3- 3-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
Greece				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
Low Band				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
SV@WTT	15,327- 131- 39-C-17	UC2LAS	17,745-	169-	35-A-	North America						
European Russian S.F.S.R.				FK8CL	124,278-	538-	77-A-14	DX				
UK3ACR	201,960- 680- 99-B-	UC2ABT	31,500-	210-	50-B-	Bahamas			Phone			
UA6LWI	74,688- 389- 64-A-	UC2OBA	7,896-	94-	28-A- 7	Guam						
UA6APP	26,325- 195- 45-B-			KG6JAR	78,012-	394-	66-C-	Africa				
Multi-Single				KG6JIH	62,976-	328-	64-C-	Liberia				
UK6LAZ(multiop)	426,426-1001-142-B-	UO5AP	16,764-	127-	44-B-	Hawaii						
UK3AAC(multiop)	235,488- 892- 88-B-			XE2MX(K6NA,opr.)	4,346,712-4962-292-B-78							
UK1ZAO(multiop)	88,392- 508- 58-A-	Low Band		WB6UAG(FM0*)	132,525-	465-	95-A-	YV5UCV(multiop)	704,520-1236-190-B-61			
UK4HBB(multiop)	88,080- 367- 80-B-	UC2OAF	5040-	60-	28-B-	Dominican Republic						
UK3DAU(UA3s DKU DKF,opr.)	55,950- 373- 50-A-			YU1JE	195,300-	868-	75-B-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
UK4LAC(multiop)	52,884- 339- 52-B-	UP2CY	599,040-1536-130-B-	HI8MOG	598,455-	1209-	165-A-30	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
UK3DFC(multiop)	52,160- 176- 45-A-	UP2BBF	7,326-	74-	33-B-	High Band						
UK4PAA(multiop)	9000- 100- 30-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UK3XAM(multiop)	3036- 46- 22-A-	UK2BAS(multiop)	833,292-1758-158-B-38	HI8PC	18,815-	128-	49-B- 9	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
UK1ADK(multiop)	540- 20- 9-B-	UK2BBA(multiop)	679,140-1540-147-B-	HI8EVA	12,192-	127-	32-B- 4	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39			
High Band				YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3GM	82,458- 509- 54-B-	UP2BA	211,140-	828-	85-B-	High Band						
UW1CX	72,683- 47- 32-B-	UP2BV	28,431-	243-	39-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39					
UW1UY	70,008- 20- 32-B-	UP2BAW	13,206-	142-	31-B-	KL7IRN	127,629-	489-	87-B-24	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39	
UA3NB	74,542- 359- 46-B-	UP2BAW	10,080-	132-	30-B-	KL7HDX	2520-	35-	24-A-	YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39	
UA3DFK	47,886- 347- 46-B-	UP2BAE	8,268-	106-	26-A-	Puerto Rico						
UA6LWG	38,016- 288- 44-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA45M	35,742- 259- 46-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3EZ	28,158- 247- 38-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA4JHDV	14,892- 151- 38-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3GO	14,880- 155- 32-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3DB	12,177- 128- 33-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA4ADY	10,323- 111- 31-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA4PWU	8910- 110- 27-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA4QOK	8748- 108- 27-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA4QK	52,199- 52- 22-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3AHF	51,758- 65- 25-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UW3DH	4002- 58- 23-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3MCJ	3666- 47- 26-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UW3UH	2964- 52- 19-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3ADO	2079- 33- 21-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3RAJ	726- 22- 11-A-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3TA	60- 5- 4-B-			YU1CFM(YU1s CA XAF XRP,opr.)	114,798- 361-105-C-39							
UA3EAL	3600-											

Japan	Georgia	F6CLM F9JO F8BO F6API F6DLM	28,620- 180- 53-A-24 16,614- 142- 39-A- 6 5544- 88- 21-A- 5 2451- 43- 19-A- 5 429- 13- 11-A- 2	Multi-Single LAIK(Las 2KM 380 3HP 4CQ 5KO 6ES GMP 72 YN,ops.) 629,580-1499-140-B-	OZ1XV OZ3BX	741- 360- 19- 13-A- 15- 8-A-	
JA8SW 82,212- 442- 62-A-60 JF1HOH 57,081- 359- 53-B- JH1EYS 39,903- 283- 47-B- JA6CNL 28,665- 195- 49-B- JA1WL 25,830- 210- 41-C- JA1ALX 25,518- 188- 57-B-10 JA8FMB 19,747- 127- 38-B- KA6DX 18,837- 161- 39-C-14 JA1ALX 15,840- 132- 40-B-10 JH1BRB 13,452- 118- 38-B- JA4ZU 5187- 91- 19-C-10 JA8OBD 1950- 50- 13-A- JA9YXW 1638- 40- 14-A- 6 JA8YXW 1638- 42- 10-A- JR3MTJ 720- 24- 10-A- JH1OEL 528- 22- 8-A- 6 JH0BQX 294- 14- 7-A- Multi-Single	High Band UF6CX 6825- 91- 25-A- Kazakh	G5CP 11,160- 155- 24-B- 7 5175- 75- 23-B- England	LA6HL 698,031-2267-103-B-35 LA2DR 77,625- 345- 75-C-12 LA2IJ 59,160- 290- 68-B- LA1NG 27,714- 149- 62-B- LA5JS 6960- 80- 29-B- LA1SR(LA8LT,opr.) 5175- 75- 23-B- Multi-Single	PA0SMS PA0YN	4536- 63- 24-A- 3978- 51- 26-B-		
JA3YKC(JA2VUP,JA3ODC, oprs.) 250,110- 794-105-C-70 JA3ZBI(JA3s FGJ GFO HBF KGF KIE LXW MTV OLO RWJ,ops.) 79,200- 352- 75-B- JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 22,263- 181- 41-C- JA293, 12,393- 153- 27-B-11 JA2ZH(X(JA25 AO DHL EMP, JH2HUQ,JR2AAZ,ops.) 3150- 70- 15- B- 7 Multi-Multi	Israel	WA9BVB/4X +36,630- 222- 55-A-34	G4ANT(G3s JOC LD1 MPN VZT XLL,ops.) 1,771,026-3298-179-A-65 G5YC(multiop) 7,410-2410-167-C-91 G3OUR(AIG3YGF,G4s AM1 BUO BYB CNV EW1, G8s HDR JPL JUD LYB LTE,ops.) 587,190-1702-115-B-33 G3KMI(multiop) 22,608- 157- 48-B-19	LZ1KAA(multiop) 54,033- 217- 83-C-	P1JARS PA0EHF PA9AWG PA0ATY PA0KFT PA0CLN PA0TAD	84,024- 389- 72-B-19 83,160- 385- 72-C-10 54,768- 326- 56-B- 46,260- 257- 60-A-13 21,200- 202- 35-B-18 1404- 96- 13-B- 360- 12- 10-B- 2	
JA3YKC(JA2VUP,JA3ODC, oprs.) 250,110- 794-105-C-70 JA3ZBI(JA3s FGJ GFO HBF KGF KIE LXW MTV OLO RWJ,ops.) 79,200- 352- 75-B- JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 22,263- 181- 41-C- High Band	Europe	CT4AT 3,870,792-5812-222-C-80 CT1FL 404,352- 864-156-C- CT1UO 9936- 92- 36-B-14	G3TZH 942,390-2830-111-B-43 G3SSO(G4BEZ,opr.) 1,465-105-C-21 G3TTJ 187,137- 717- 87-B-30 G3NT 52,290- 249- 70-B- G3IRM/m 3828- 58- 22-A-	High Band	P1JARS PA0EHF PA9AWG PA0ATY PA0KFT PA0CLN PA0TAD	84,024- 389- 72-B-19 83,160- 385- 72-C-10 54,768- 326- 56-B- 46,260- 257- 60-A-13 21,200- 202- 35-B-18 1404- 96- 13-B- 360- 12- 10-B- 2	
JA7YAA(JA7s JQG KPK LMU LUR NRQ TNO,ops.) 223,686- 731-102-C-43 JA1YPQ(223,686- 731-102-C-43 JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 118,341- 487- 81-B-65 JA1YFL(JA1QJL,JA1TSJ,JA2KKW, oprs.) 22,263- 181- 41-C- High Band	Fed. Republic of Germany	DK3BZJ 798,884-1958-136-B- DK5AD 242,057- 627-129-C- DL8CM(DK9ID,opr.) 171,801- 707- 81-B- DK8AX 16,632- 126- 44-B-	G3TJW 253,062- 827-102-B-37 G4AMT 151,452- 601- 84-B-18	Multi-Single	SM5AQD	71,190- 339- 70-B-	
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JF1PA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JH1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B-20 JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B-0 JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JH3ARL 1320- 44- 10-B- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- 7 JA1JWL 5816- 28- 8-A- 7 JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1 Low Band	DK7PT(U(DC7QD,DKs 1PD 2VQ 6Q1,DL7s UG XB,ops.) DK9CW(+DPE,DK9ID,opr.) 50,930-1255-162-C- DA2AS(DA1s DJ GS GW UD, oprs.) 52,416- 273- 64-B-37 DK8AX 16,632- 126- 44-B-	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	OE6XUG(OE6s EDG EEG HZG MBG,ops.) 317,745- 921-115-C-35	Sweden	OE6XUG(OE6s EDG EEG HZG MBG,ops.) 317,745- 921-115-C-35	
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JF1PA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JH1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B-20 JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B-0 JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JH3ARL 1320- 44- 10-B- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- 7 JA1JWL 5816- 28- 8-A- 7 JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1 Low Band	DK9SU(DK8FZ,opr.) DK8FZ 373,302-1338- 93-C- DA1AY 258,546-1051- 82-B-25 DK9FB 82,485- 423- 65-C- DF9QO 18,156- 178- 34-C-19 DL8PC 15,252- 164- 31-B-15	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	OH1AA (OH1NH, OH3ZE, opr.) 881,448-1933-152-B- OH1AR (OH1SJJG LW MA ZZ, oprs.) 878,094-1818-161-C- OH2NW(OH1BAH2) BAQ BCV BBP BH BH2WVQG E2 SQ Q, oprs.) 295,290- 955-102-C- OH8OS(+OH8s SP UT) 292,992-1744- 56-C-	Finland	SM6GTF 9309- 107- 29-A- SM6GY 8892- 78- 38-B- SM6GK 65,510- 546- 95-B- SM6ADW 66,528- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- SM7FYM 10,323- 93- 37-B- SM9BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)	SM6GTF 9309- 107- 29-A- SM6GY 8892- 78- 38-B- SM6GK 65,510- 546- 95-B- SM6ADW 66,528- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- SM7FYM 10,323- 93- 37-B- SM9BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JF1PA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JH1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B-20 JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B-0 JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JH3ARL 1320- 44- 10-B- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- 7 JA1JWL 5816- 28- 8-A- 7 JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1 Low Band	DK9SU(DK8FZ,opr.) DK8FZ 373,302-1338- 93-C- DA1AY 258,546-1051- 82-B-25 DK9FB 82,485- 423- 65-C- DF9QO 18,156- 178- 34-C-19 DL8PC 15,252- 164- 31-B-15	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	OH1AA (OH1NH, OH3ZE, opr.) 881,448-1933-152-B- OH1AR (OH1SJJG LW MA ZZ, oprs.) 878,094-1818-161-C- OH2NW(OH1BAH2) BAQ BCV BBP BH BH2WVQG E2 SQ Q, oprs.) 295,290- 955-102-C- OH8OS(+OH8s SP UT) 292,992-1744- 56-C-	Finland	SM6GTF 9309- 107- 29-A- SM6GY 8892- 78- 38-B- SM6GK 65,510- 546- 95-B- SM6ADW 66,528- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- SM7FYM 10,323- 93- 37-B- SM9BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)	SM6GTF 9309- 107- 29-A- SM6GY 8892- 78- 38-B- SM6GK 65,510- 546- 95-B- SM6ADW 66,528- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- SM7FYM 10,323- 93- 37-B- SM9BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JF1PA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JH1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B-20 JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B-0 JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JH3ARL 1320- 44- 10-B- 3 JA1ABV 918- 34- 9-C- JA7BRG 624- 26- 8-A- 7 JA1JWL 5816- 28- 8-A- 7 JA5ED 540- 90- 9-A- 3 JA4LUK 408- 17- 8-A- JF1VKY 144- 12- 4-A- JA8FDB 120- 10- 4-A- 1 JA7JGD 72- 6- 4-A- JG1GJB 24- 4- 2-A- 1 JR6CKG 3- 1- 1-A- 1 Low Band	DK9SU(DK8FZ,opr.) DK8FZ 373,302-1338- 93-C- DA1AY 258,546-1051- 82-B-25 DK9FB 82,485- 423- 65-C- DF9QO 18,156- 178- 34-C-19 DL8PC 15,252- 164- 31-B-15	G13KDR 262,650-1030- 85-A- G15BV 93,024- 456- 68-B-34	High Band	OH1AA (OH1NH, OH3ZE, opr.) 881,448-1933-152-B- OH1AR (OH1SJJG LW MA ZZ, oprs.) 878,094-1818-161-C- OH2NW(OH1BAH2) BAQ BCV BBP BH BH2WVQG E2 SQ Q, oprs.) 295,290- 955-102-C- OH8OS(+OH8s SP UT) 292,992-1744- 56-C-	Finland	SM6GTF 9309- 107- 29-A- SM6GY 8892- 78- 38-B- SM6GK 65,510- 546- 95-B- SM6ADW 66,528- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- SM7FYM 10,323- 93- 37-B- SM9BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)	SM6GTF 9309- 107- 29-A- SM6GY 8892- 78- 38-B- SM6GK 65,510- 546- 95-B- SM6ADW 66,528- 352- 63-B- SM7DMN 43,200- 288- 50-C- SM6BXV 40,170- 206- 65-B- SM5BRW 25,725- 175- 49-B- SM5BMD 17,955- 133- 49-B- SM7FYM 10,323- 93- 37-B- SM9BDS 10,260- 90- 38-A- SK2IV(SM2CDF,opr.)
JA7GAX 208,440- 772- 90-C-17 JA1ACQ 159,933- 599- 89-C- JA3USA 139,500- 620- 75-C-14 JA1HVS 89,700- 460- 65-C-20 JA7DAH 82,824- 406- 68-B-14 JA7BJS 67,083- 379- 59-B-24 JF1PA 65,016- 349- 63-C-33 JA2AYH 50,162- 350- 57-C-7 JA7PL 50,220- 279- 60-B-24 JA1QZY 48,165- 247- 65-C- JA4TNV/1 38,475- 225- 57-A-14 JA11RQ 25,284- 196- 43-B-11 JA95V 22,572- 198- 38-B- JA6JRI 18,120- 154- 40-B-17 JA1JTO 14,352- 184- 26-B-15 JF1XRB 14,058- 142- 33-B- JH1MTR 13,137- 151- 29-C- 6 JA6WW 11,160- 151- 29-C- 6 JA7BAL 11,160- 124- 30-B-20 JF1PL 11,016- 102- 36-B-16 JA4CKS 10,200- 90- 20-B-0 JA4UQV 6030- 67- 30-A- 6 JR3CVO 5130- 114- 15-A- JR3CQC 4641- 91- 17-A- JG1UNE 4554- 69- 22-B- 7 JA1JUT 4545- 101- 15-A-15 JA1JUJ 4474- 69- 22-B- 7 JA7HMZ 1518- 19- 14-A- 5 JA8UXG 3876- 76- 17-A- 6 JG1RDV 3762- 57- 22-B- 4 JF3IMO 2982- 71- 14-A-11 JA1AAT 2337- 41- 19-B- JR2MKV 2070- 46- 15-A- 8 JA7TKO 2016- 56- 12-B- 8 JA7HZA 1670- 56- 13-C- 3 JH3ARL 1320- 44- 10-B- 3 JA1ABV 918- 34- 9-C- JA7BRG 62							

White R.S.S.R.	KL7HRP(+KL7IUM) 1,407,276-2522-186-C-52	High Band	Indonesia	Surinam
Multi-Single	High Band	XE1AFU 451,278-1233-122-B-20	YBØACH 54- 6- 3-B- 1	High Band
UK2WAF(multiop) 37,812- 274- 46-B-	KL7IRN 630,300-1910-110-B-50	Cayman Islands	Manihiki Islands	JA1PIG/PZ 105,825- 425- 83-A- 8
UK2WAO(multiop) 540- 18- 10-A-	KL7IQN 108,180- 601- 60-A-44	ZF1AK 760,641-1249-203-A-32	ZK1BA 669,900-1276-175-B-24	Venezuela
High Band	KL7HDX 16,872- 152- 37-A-10 WA2AJQ/KL7	W9ABA/ZF1* 85,398- 331- 86-A- 8	New Zealand	YY4TI 4,163,922-4721-294-C- WA5UKR/VV5 78,039- 299- 87-B-25
UC2BF	456- 19- 8-B-	Oceania	ZL2ACP 1,237,515-1955-211-A- ZL3BK 94,620- 415- 76-A-22	High Band
Lithuania	Puerto Rico	Philippine Islands		YY5FOI 723,398-1757-138-B-35
Multi-Single	KP4EAS 7,782,324-8132-319-C-86 KP4DSD 3,544,944-4784-247-C- UK2BBB(multiop) 93,274-2058-151-B-49	DU6EG 2580- 43- 20-B- 7	High Band	
UK2BAS(UP2PAJ PAO opr.) 376,740-1092-115-B-30	1,247,226-2143-194-C-31	ZL2GJ 30,315- 215- 47-B- ZL4IJ 5850- 65- 30-A-		
High Band	KV4JY 234,255- 679-115-A-	K9PNT/DU2 135- 9- 5-B- 2	Low Band	Check Logs
UK2PAD(UP2PAQ opr.) 130,872- 574- 76-B-14	Greenland	New Caledonia	ZL2HE 49,830- 302- 55-A-16	Cw: DK9NH DM2ABL DM2ADC DM2BLE DM2CDO DM2CGF DM2CGH DM2CKJ DM2CMA DM2CMF DM2CUA DM2DZH DM2DZM DM2EJ DM2FQH DM3HF DM3TNA DM3UFL DM3WF DM3WVJ DM3ZC DM4SWL F6VE G3PV A G3UFY HA3MB H18EVA JE2GAL K1YHK K3TGM
Low Band	High Band	South America		K6DSK K6QPH LA2IE LB1G L6X L2Z 66- NG6Z OK1JAR OK2BBL K2BBL OK2BBL OK3CJL OK3KFF OY3H PA0CLN PA0EFI PA0PHK PA0UV SM2COR SP2FMN SP2GRT SP3DAH SP5IX1 SP6EIY SP8GU SP9AMH SP9WV SP4BG0/112-12ACO UA1GCA UA1GCA UA1GCA UA3AFQ UA3DAE UA3DCX UA3DDN UA3DEA UA3DIW UA3EAL UA3ECC UA3IAM UA3GDC UA3TAM UA3UAA UA3VAD UA3WBO UA4AV UA4AV UA4AV UA4AV UA4PAY UA4YAU UA6WE UA6LLI UA6LZX UA6HAK UA9MF UA9SDS UA9UPP UA9XV UA0BRR UA0CBW UA0LJ UA0LL UA0QBW UB5AFA UB5CBB UB5EDJ UB5FAQ UB5IDL UB5FBB UB5FBB UB5NU UB5NU UB5OCK UB5TAG UB5UB UB5UB UB5XBO UB5ZCO UC2AAC UC2LBB UC2RG UC2RV UK1ZAS UK2BBF UK2FAA UK2GAY UK2PAT UK3AAY UK3VAK UK3QAC UK6AAJ UK6VAN UK6VAN UK6VAN UK9AAZ UK9WBD UK9AAC UL7CT UL7EAH UL7PB1 UL7PB1 UQ2BQJU UV3CM UV3DN UVQJL UW3UG UW3WZ UW6CV UW3WZ UW5AO VE2DWD VE2VU/WA1LNU WA1LNU WA1LZD W2LKH W2NC1 WA2ZBW W3IPS W4BBP WB4REV W6BYB/7 W6MUR W6RR W7KXW WB9TWT WB9X WB9KF8 Y09BGV YU1BCM YU2CDO Phone: CE5B1B CT1EU DM1RB DM2CFF DM2DWN DM2DZM DM2EJ DM2FQH DM4UCO F3EC G4FGH HV3J5 JA7KXD JE2GAL K1BUR K3AV K4KPH K5NM K6SDK/M6 K7GEK K7YDO K9NA K9VUW LA2IE LA6HLNGA OH1XX OH2BBL OK2BBL OK2BBL OK2BBL OK3CJL OK3CJL OZ4JU OZ4VK PA0LEG PA0TV PA0UV SL5ZV SM1CXE SM1DYR SM5BFJ SM5GA SM7DMT SM01 SP3BQD SP4AS SP5PTR UA3DFK UA3IAM UA4VW UA4VW UA4VW UA9BAC UC2ACA UA8LAG UK2GCF UK3AAJ UK3ACW UK4YYY UK5VAD UK6LDN UK6YAB UK7LAF UK9ADM UK9AAB UK9AAC UQ5BZ UR2REN UD3DN UW3EG UW9JH UW3EG UW3EG VE2DWD VE2CBB VE2CBB VE3FFA VE7BKG VE7DEW VK4PJ VK4VU VU2GDG WA1PBE W2GGN W2IKA W2JGR W3GRW W3IEZ W3ZLW4OS W6OJW W6RQZ W8NN W7BZM W7ZJYI WA1LNU WA1LNU WA4PMU WA6EKL WA8TOB/C6A WA9GFR WA9NPM WA8EEI WA0TAS WB4JKP WB5TIM WB9NME WB0NOU ZE1BL L5T5CJ; SWI: REF 30989
Estonia	Guatemala	KC6KO(WB2WSP opr.) 22,650- 151- 50-B-12	HC5EE 371,805- 925-134-C- 9	
High Band	VE2AQ/TG9 4,327,155-4579-315-B-63	Guam		
UR2AW	1530- 34- 15-A- 4	KG6JHW 6216- 74- 28-B-13 KG6JAR 3024- 48- 21-C-	CP6HE 502,902-1206-139-B-60	Multi-Single
Yugoslavia	Antigua	KG6JIH 125,904- 488- 86-C-20	HC5CRC/5(multiop) 8742- 94- 31-A- 4	Ecuador
Multi-Single	Multi-Single	HD9EE 135- 9- 5-B- 1	High Band	
YU3DBC(YU3s TPZ TYX ZV, opr.) 1,935,450-3450-187-C-92	W6QL/VP2A(+W6KG)* 2,055,780-2916-235-A-44	KG6JHW 6216- 74- 28-B-13	HC1BU 2,442,192-4904-166-B-60	
High Band	St. Lucia	KG6JAR 3024- 48- 21-C-	LU1ADI 184,032- 568-108-B-19	Argentina
YU1BCD(YU1NZV opr.) 622,098-1938-107-C-48	VP2LDQ(WA9FXJ opr.)* 246,861- 669-123-B-19	KH6IJ 4,244,226-5089-278-C-77 WB5KVC/KH6	High Band	
YU2CDS(YU2RQX opr.) 612,990-1946-105-C-		3132- 58- 18-A- 6		
Malta	High Band	KH6GQW(+KH6GMP) 4,407,690-5285-278-C-96	OA8V 386,370- 810-159-A-21	Peru
High Band	VP2LCG(K9QKJ5 opr.)* 72,954- 386- 63-B- 6	High Band		
9H4G	11,583- 99- 39-B-12	Montserrat	High Band	
North America	KH6BZF 1,605,744-3304-162-C-64 KH6FI 312,708-1012-103-C-19 KH6IJA 297,330- 935-106-B-22	W1DKB/OA4 728,190-1674-145-C-53	Netherlands Antilles	
Bahama Islands	VP2MNK(VP2MGB,WØNAR, WA9ONK opr.)* 2,869,344-3888-246-B-48	Midway Islands		
Multi-Single	VP2MAQ(W65 KG KL opr.)* 2,433,552-3352-242-C-44	High Band		
W4SS/C6A*(+W4s OO PJG RA SS, WB4PQB) 1,514,460-2348-215-A-31	KM6FC 1785- 35- 17-B-19	PJ2FR 2,595,957-3367-257-A- PJ9JT(WB1H opr.)* 1,364,688-2106-216-B-19	Brazil	
Dominican Republic	VP2SZ(WB8JEY opr.)* 406,080-1128-120-C- 9	Australia	PY3APH 180,711- 621- 97-B-	
HI7CMC	466,626- 937-166-C-18	Bermuda	Multi-Single	
High Band	VK2XT 122,472- 504- 81-B-24 VK4AK 118,181- 483- 82-B- VK5RX 2832- 59- 16-A- VK4PJ 1554- 37- 14-A-	PY1BAR(+PY1s CHP DBE) 410,571-1029-133-B-26		
H18MOG	470,580-1364-115-C-11	High Band		
H18CDS	294,984- 964-102-C-12	VK9IF 356,928-1352- 88-B-50	Low Band	
H18LC	26,319- 283- 31-B- 8			
Alaska	Mexico	AX4VU 112,392- 446- 84-A-12 VK3QI 24,957- 141- 59-B- VK4QK 4725- 63- 25-B-	PY2ELV 1,108,800-2310-160-A- PY2DMT 152,991- 573- 89-C- 9 PY1ZBJ 137,520- 573- 80-B- PT2BJ 432- 16- 9-B-	
Multi-Single	XE1LLS 3,928,344-4886-268-B- XE2MX 867,969-1581-183-B-			

Disqualifications: The following have been disqualified from the 1977 ARRL DX Competition, per the criteria described on page 85 of January QST, 1977. **Phone:** K1EA W1NJL W1ZA (operators of W1ZA), W3RJ WA3LRO (operator of W3WJD), W6RTT. **Cw:** K1EA (operator of W1ZA), WA1LNU K2BML W2GGE WA2YHK K3UEI K3WJV K3WW W3HXK WA3LNM (operators of K3WW), WA1LNU

CX1EK WA2LQZ K3EST W3AU W3IN WA3HRV (operators of W3AU), N3AD W3BGN W3IGQ (operators of W3BGN), K3DZB (operator of W3RJ), K3JGI WA3YGH WA3YHT (operators of WA3YGH), WA3UFW WB4YKU (operators of WA4UFW), K6MA WA7RKR (operators of K6MA), K6PJY N6VV WA6FWJ WA6NGG (operators of WA6NGG).

Strays

1976 DX Competition

KH6GQW is incorrectly listed as a phone single-op entry. Correct status is as multi-single with KH6GMP as second op. KH6GQW is also Oceania Continental winner, not C21NI as shown. The scores of G4ANT, HB9AUS, YV1AVO are shown in single-op listings; all are multi-single participants. JF1MYI is incorrectly shown as

JA1MYI in the single-op scores from Japan.

1976 Sweepstakes

□ Southwestern Division phone winner is W6HX, now K6AC as printed. Midwest Division low-power winner should be WØNVP, not WAØPAO, K1VTM is incorrectly listed as multiop phone winner in New England Division. The correct winner is K1KDP.

Phone single-op winner for the Mad River Radio Club is WA8PLZ

(WB8AYC, op), not WA3WIK. Winning single op on phone for Motor City Radio Club is K8SIA, not WA8FRE as shown. K5VTA should be listed as op of Northern Texas Division first-place finisher W5TMN. The club listings incorrectly show the IBM Owego Club as the IBM Oswego Amateur Radio Club.

10-Meter Contest

The second operator at the MDC multi-op station WB3BSV is shown as K3ZZ. The correct call is W3ZZ.