Results of the 2014 CQ WW WPX RTTY Contest

BY ED MUNS, WØYK

Really good propagation conditions over the whole weekend! . . **DL1EAL**

One of the best WPX RTTY Contests I have ever entered. Band conditions were incredible . . . **WØRAA**

My tenth WPX WW Contest and the best . . . F5RD

Amazing fun! Some good conditions, and plenty of stations to work, what could be better? Really enjoyed myself... GUØSUP One more CQ WPX RTTY contest, such a pleasure... TF1AM

. Great propagation and super WPX RTTY operators . . . FP/W6HGF

Great conditions made for a fun contest . . . **VE3SS**

10/15m were HOT! . . . **K70N**

Great 10 meter opening . . . N7UVH

Great Fun! Good Propagation on 10 . . . N8WXQ

he so-called second peak of solar Cycle 24 elevated the MUF (maximum usable frequency) to the highest point in the last five years of this contest. Ten meters produced as many QSOs as either 20 or 40, with 15 meters being the top band for the weekend. In contrast, 80-meter activity decreased as a percentage of total QSOs:

Band	2010	2011	2012	2013	2014
80	13%	15%	11%	11%	8%
40	27%	28%	23%	26%	21%
20	36%	35%	27%	28%	22%
15	23%	21%	30%	29%	28%
10	0.5%	1%	9%	6%	21%

A number of participants took advantage of the excellent 10-meter propagation to set two new Single-Op world records (of the three possible power levels) on that band. In addition, 14 of the 18 continental records on 10 meters were broken. (See the last three quotes above.)

Fifteen-meter records were also broken: two world and five continental. In total, across all entry classes, five new world records were set, as well as 29 new continental records:

	W	orld	Cont	inent
	New	Avail	New	Avail
SO10	2	3	14	18
SO15	2	3	5	18
SO20	_	3	2	18
SO40	_	3	7	18
SO80	_	3	1	18
SOAB	1	3	3	18
MS	_	1	_	6
M2	_	1	_	6
MM	_	1	3	6
Total	5	21	29	126

In this 20th annual CQ WPX RTTY Contest, participation decreased from last year to 2,826 submitted logs with total QSOs dropping almost 15% to 1.1 million. There were 186 different

countries and 2151 different prefixes logged, about the same as 2013. Once again, 9A1A captured the most prefixes at 1161.

The transmitted RTTY signal bandwidth of many stations continues to be far greater than needed, causing unnecessary interference and crowding on contest weekends such as this one. AFSK users need only ensure their encoder filter is set appropriately narrow, while FSK users must rely on their radio manufacturer to provide the proper bandwidth. Unfortunately, very few radios adequately filter their FSK signals, which is relatively easy to do in today's DSP radios. Just like in the past days of rampant CW key clicks, amateurs need to pressure transceiver companies to responsibly filter FSK. For more discussion on this important topic see Dr. Andy Flowers' (KØSM/2) papers:

- http://www.frontiernet.net/~aflowers/k3rtty/k3rtty.html
- http://www.frontiernet.net/~aflowers/k3beta/.

Single-Operator (2632 entries)

There are many Single-Operator entry categories to satisfy a wide range of interests. Low Power remains the most popular



Fabio 5B/IK2LTR, fifth place 15 Meter LP.



Alessandro 5B/IZ4AMS, third place 10 Meter LP.

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power level and 10 meters was the most popular Single Band category this time:

	80	40	20	15	10	SB	AB	SO
QRP	3	14	11	10	16	54	67	121
LP	20	79	71	107	132	409	1219	1628
HP	28	41	44	59	70	242	641	883
Total	51	134	126	176	218	705	1927	2632

QRP (121)

"Band conditions were excellent for QRP." . . . **K3TW**Thanks for adding the QRP category to this contest! It's the most fun I've ever had with 5 watts! . . . **W6QU**

Obaid A61DJ set the new 10 meter QRP world record and the next four places all set new continental records: Jose ED9K (EA9CD); Jorge LW5DW; Jose CO6EC; and Vittorio IZ2JPN. Thirteenth-place Bob KH6KG set the last continental record in Oceania for a clean sweep of all the world and continental records for 10 Meter QRP.

Similarly, in 15 Meter QRP, Gabor HG3IPA set the new world record, with Jose CT1BXE close behind, while Geraldo ZZ80SP; Jim K5ND; Bambang YB2ERL; and Serge RAØAY each set a new continental record.

Alex UX5UU set a new Europe record on 20 meters on the way to winning that category. Mario TG9ADQ won North America and second place overall.

Low-band QRP certainly is a challenge, especially at the peak of a solar cycle. The standings are dominated by European stations. Janiz S51DX captured first place on 40 meters and sixthth place Paul N6MA/7 won North America. Yuichiro JM2RUV won Asia.

Gabor HA5NB took first on 80.

In the All Band QRP category, Rudolf TM3T took first place with nearly the same score as he made in 2013, narrowly missing the world record. The next four places were also from Europe: Gendron F5BEG; Dmitry RX1CQ; Dmitrij UT3N; and Rudolf OM6RK. Sixth-place Dave K2YG won in North America, just short of his last two years' scores in this category. Kazumi JK1TCV set a new Asia record.

Low Power (1628)

The first three places in 10 Meter Low Power each set continental records: Daniel LW6DG; Francisco EE7Y (EA7ISH); and Alessandro 5B/IZ4AMS. Gonzalo XE3N set a new North America record and Danu YD1GCL won Asia.

On 15 meters, Mohamed 5C5W, with nearly 2.5M points, set a new world record, and second-place Vito IW9FDD won Europe. Randy K7TQ won North America and Fabio 5B/IK2LTR won Asia. Gary KH6GMP won Oceania and Adonay PX8X (PT8DX) won South America.

First place world in 20 Meter Low Power was Juan YW5T (YV5JBI), who set a new South America record. Michele, IZ8EFD, was second in the world and first in Europe. Carlos CO2CW won North America and Yuri UA9AFS won Asia. Isidro EA8NQ won Africa and Hugo ZP8T (K2DER) won South America.

Nagy HG5D (HA8QZ) took first place world on 40 meters with the next seven places also from Europe. Ninth place Colin KU5B was first in North America. Hideaki JI3CWI won Asia and Kasmuri YD1MRI won Oceania.

lacopo IK5AMB won the world in 80 Meter Low Power, barely inching past Zeljko YT5CT. The next four places were also in Europe. Seventh place Dunia EE8T (EA8MT) set a new Africa record.

In All Band Low Power, Fabi VA2UP, set a new North America record on his way to win. Second place was John KK9A who has begun applying his CW and SSB Low Power prowess to RTTY. John operated P40A for many years to capture a num-



Jeff KS7AA (op. WK6I) driving three radios (SO3R/SO6V) at the W7RN super station in Virginia City, NV.



Nikolay UXØFF SO AB LP with many awards from Top Band to EME.

ber of Low Power wins in the "other" modes. The next three places each won their respective continent: Sergey, EA7/UT5UDX; Wanderley ZZ2T (PY2MNL); and Yuri RT9S. Heijo. EF8O (DJ1QJ) won Africa.

High Power (883)

On 10 meters, Kári EF8S (OH4KA) set a new world record, second-place Stephane TM6M (F4DXW) set a new Europe record, while Max KH6ZM and Don AA5AU set new Oceania and North America records, respectively. Second-place NA was Fred WW4LL, who "helped" Don win by providing friendly competitive motivation.

Remi LY8O won 15 meters and Tine S50A took second. Dave WK7S (K6LL) took third place for the North America win. Victor UCØA took 9th place and won Asia. Ken VK4QH won Oceania and Edgar CE3EEA won South America.

Pavel OK6W (OK1MU) won 20 Meter High Power, with Rudy N2WQ/VE3 taking second and the North America win. Jose CT3DZ won Africa; Yoshiharu JA9CWJ won Asia; and Wes ZM3T (W3SE) won Oceania.

2014 CQ WW WPX RTTY CLUB SCORES

UNITED STATES		
	# Entrants	Score
POTOMAC VALLEY BADIO CLUB	49	51 550 334
POTOMAC VALLEY RADIO CLUBFRANKFORD RADIO CLUB	15	22 571 938
NORTHERN CALIFORNIA CONTEST CLUB	21	19 097 841
SOCIETY OF MIDWEST CONTESTERS	28	17 448 497
CTBI CONTEST GROUP	7	12 394 367
CTRI CONTEST GROUPYANKEE CLIPPER CONTEST CLUB	23	9 926 429
CENTRAL TEXAS DX AND CONTEST CLUB	4	8 410 017
ARIZONA OUTLAWS CONTEST CLUB	24	8 221 954
MOTHER LODE DX/CONTEST CLUB	8	6 623 172
MOTHER LODE DX/CONTEST CLUBFLORIDA CONTEST GROUP	8	6 574 474
TENNESSEE CONTEST GROUP	12	6 455 885
GRAND MESA CONTESTERS OF COLORADO	8	4 974 678
WILLAMETTE VALLEY DX CLUB	14	4 903 087
DEW CONTEST GROUP	10	4 693 593
WESTERN WASHINGTON DX CLUB	11	4 036 675
KANSAS CITY CONTEST CLUB	4	3 927 561
NORTH COAST CONTESTERS	11	3 731 255
ALABAMA CONTEST GROUP	6	2 849 120
MINNESOTA WIRELESS ASSN	17	2 621 105
NIAGARA FRONTIFR RADIOSPORT	3	2 528 374
CAROLINA DX ASSOCIATION	6	2.466.145
LOUISIANA CONTEST CLUB	6	2 169 757
ORDER OF BOILED OWLS OF NEW YORK	5	2.151.874
SPOKANE DX ASSOCIATION	8	1 994 867
SOUTHERN CALIFORNIA CONTEST CLUB	11	1 763 158
HUDSON VALLEY CONTESTERS AND DXERS	4	1.753.303
BERGEN ARA	6	1.454.306
BRISTOL (TN/VA) ARC	5	1.257.021
METRO DX CLUBCONTEST CLUB CALIFORNIA PENINSULA	6	1.255.779
CONTEST CLUB CALIFORNIA PENINSULA	4	1.041.612
MAD RIVER RADIO CLUB	4	890.039
SOUTH EAST CONTEST CLUB	4	849,478
MIDLAND AMATEUR RADIO CLUB	3	697.604
KENTUCKY CONTEST GROUP	5	553.143
MILEORD OHIO AMATEUR RADIO CLUB	4	416 037
SHENANDOAH VALLEY WIRELESS	4	396.083
RADIO CLUB OF REDMOND	3	290.015
WEST PARK RADIOPS	3	170.252
DX		
BAVARIAN CONTEST CLUB	93	70 351 815
RHEIN RUHR DX ASSOCIATION	49	36 121 399
SLOVENIA CONTEST CLUB	12	26 042 287
OLO VLIVIA CONTLOT OLOB		5,5 12,251

UKRAINIAN CONTEST CLUB	21	25.475.984
HA-DX-CLUB	7	24 665 260
TA-DA-OLOB	/	24,005,306
CROATIAN CONTEST CLUB	18	23,962,214
ORCA DX AND CONTEST CLUB	13	16.212.757
CONTEST GROUP DU QUEBEC		
ARAUCARIA DX GROUP	13	13,100,004
LATVIAN CONTEST CLUB	9	12 945 601
CONTEST CLUB ONTARIO		
CONTEST CLUB ONTARIO	17	11,383,061
BLACK SEA CONTEST CLUB	22	10.919.354
RADIO CLUB HENARES	6	9 740 269
CONTECT OF THE CIVIL AND		0.075.054
CONTEST CLUB FINLAND	12	8,875,251
SOUTH URAL CONTEST CLUB	3	7.585.522
CONTEST CLUB SERBIA	1/	6 428 834
BELARUS CONTEST CLUB	9	6,224,783
Z37M CONTEST TEAM	4	6 102 732
LU CONTEST GROUP		
LU CONTEST GROUP	10	5,765,120
DONBASS CONTEST CLUB	11	5,101,493
RIO DX GROUPKAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	3	3 687 905
INDUM CHAINEDOLTY OF TECHNICLOGY DADIO OLUD		0,007,303
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	6	3,543,791
TEMIRTAU CONTEST CLUB	3	3.501.816
DL-DX RTTY CONTEST GROUP	0	2 /10 07/
MEDITERRANEO DX CLUB	4	3,256,285
RTTY CONTESTERS OF JAPAN	9	2 922 935
BOSNIA AND HERZEGOVINA CONTEST CLUB		0.004.500
BOSNIA AND HEAZEGOVINA CONTEST CLOB	5	2,094,530
RUSSIAN CONTEST CLUB	4	2,695,908
VYTALITAS MAGNUS LINIVERSITY RADIO CLUB	3	2 691 115
599 CONTEST CLUB. WORLD WIDE YOUNG CONTESTERS		0.400.050
599 CONTEST CLUB	4	2,499,050
WORLD WIDE YOUNG CONTESTERS	6	2,013,554
EUROPEAN PSK CLUB	Ω	1 753 308
		1,730,030
SP DX CLUB		
ARCK	3	1.344.845
ARI CASTELLI ROMANI	3	1 0/1 028
ANI CASTELLI NOWANI		1,041,020
CHILEAN PACIFIC DX GROUP	4	835,181
MARITIME CONTEST CLUB	4	688.692
RUSSIAN CW CLUB	2	406 600
HUSSIAN CW CLUB		490,090
CHILTERN DX CLUB	3	492,812
URAL CONTEST GROUPSK2AT FORENINGEN UMEA RADIOAMATORER	3	467 198
CKOAT FORENINGEN LIMEA BADIOAMATORER	2	460,600
SKZAT FOREININGEN UWEA RADIOAWATORER		402,000
YB LAND DX CLUB	7	449,035
VRHNIKA CONTESTERS	3	330 156
VRHNIKA CONTESTERSSOUTHERN OSAKA CONTEST CLUB	0	050,100
SOUTHERN OSAKA CONTEST CLUB	ک	250,145
DANISH DX GROUP	3	211,440
SK6AW HISINGENS RADIOKLUBB	3	109 324
VIX CONTECT OF UP		01.014
VK CONTEST CLUB	3	31,214



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Nikolay UXØFF and XYL Elena US5FFF enjoying their flower garden. Elena is a radio-officer for the Danube Shipping Company, running high-speed CW.

Jham HK1T won 40 meters world for a new South America record. Alexandre DR1D (DL1NS) was second, winning Europe. Art VE3UTT was sixth, winning North America. Vlad UN1L won Asia and Karsono YBØNDT won Oceania.

Jan OL9A (OK2ZAW) won 80 meters world and Peter VA3XH won in North America. Mike RY9C won Asia.

Ed P49X (WØYK) set a new High Power All Band world record and Rick KI1G won North America for second place. Bud AA3B took third and Boyan LZ8E (LZ2BE) was fourth, winning Europe. Yuri RG9A won Asia for fifth place overall. Nestor EF8G (EA8CNB) won Africa and John 9M6XRO won Oceania.

Multi-Operator (89)

Multi-Single is the most popular multioperator category as shown below:

MS M2 MM 65 13 11

Multi-Single. The ED1R team (EA1AR, EA1ASC, EC1KR, EA4AOC, EC4DX) took first place in Multi-Single with UA5A in second place. ZV2K (PY2EL, PY2PT, PY2VM, PY2LED, PY2SHF) was third overall and the South America continental winner. K3MJW (K3RWN, NK3P, WC3O, K3STL, KB3EYY, WA3KFS, K3FH, K3RMB) won North America; UAØAYA (RXØAK, RAØAY) won Asia; and 5IØDX (IV3FSG, ISØAGY, HB9DHG, IK7JWX) won Africa.

Multi-Two. LX7I (LX2A, DL6ZBN, DF8XC, DK5ON, DF7ZS) came out on top in Multi-Two with the next three places also from Europe: S51A (S50LD, S50P, S51F, S51ZJ, S55O); DQ4W (DJ4MZ, DK7MCX, DL2MLU, DL6RAI, DL7LIN); and YL4U (YL2CI, YL2UI, YL3AJA, YL3BF, YL1ZF, @YL2CI). Fifth place NØNI (NØNI, NØAC, NUØQ, NØXR, WIØH, NØMGK) won North America.

Multi-Multi. 9A1A (9A9A, 9A5W, 9A2DQ, 9A5DDT, 9A6A, 9A6TKS, 9A7C, 9A7R, Kristijan) was first in Multi-Multi again and second place NR4M (NR4M, K7SV, K4GM, KK4RTF, KA4RRU, NN4RB, K4SO, K4EC, K3UI, KD4AKC, G2YL, KC4QP, W4IM, K4MIL, N3ZV, KK4TYF, KE3X) set a new North America record. RWØA (RAØAM, RØACG, RAØANR, RAØASG, RUØAI, RUØAM, RWØAR, RZØAF, RZØAT, RVAUI, UAØAFL, RXØA) took third with their new Asia record. HG1S (HA1TJ, HA6NF, HA8DM, HA1DAC HA1DAI) was fourth and W1AW/KH6 (KH6FP, AH6OZ, WH6R, KH6MB, W7NX, KH7U, AH6NF

@KH6YY) set a new Oceania record for fifth place this time.

Club Competition

World. The Bavarian Contest Club once again prevailed in the world club competition with 70.4M points from their whopping 93 entries. Rhein Ruhr DX Association took third place, being solidly beat by the Potomac Valley Radio Club, each with the same number of entries, 49. The Slovenia Contest Club edged out the Ukrainian Contest Club for fourth place. Not far behind were the HA-DX-Club and the Croatian Contest Club.

North America. The Potomac Valley



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2014 CQ WW WPX RTTY Top Scores

WORLD SINGLE OPERATO! HIGH POWER ALL BAND	R
P49X (WØYK)	
KI1G	7,701,728
AA3B	
LZ8E (LZ2BE)	
K4GMH	
OM5ZW	
AB5K	
UW1M	5,336,302
SN7Q	5,199,898
28 MHz	
EF8S (OH4KA)	3,934,791
TM6M (F4DXW)	2,105,880
IT9RGY	
KH6ZM	
AA5AU	1,396,395
9A5Y (9A3NM)	1,361,483
YT9A	1,184,720
EA7ZY	1 058 25
WW4LL	
21 MHz	
LY80	1,873,080
S5ØA	
WK7S (K6LL)	
3Z5N (SP5GRM)	1,511,169
N7AT (K8IA)	1,437,988
IW3RUA/IT9 (IW3RUA)	1,291,797
WA5ZUP	1,260,567
AI6YL/7 (AI6YL/7)	1,226,500
UCØA	1,141,278
UT7E (UV5E0Z)	
14 MHz	
OK6W (OK1MU)	1,841,246
N2WQ/VE3 (N2WQ/VE3)	1,753,890
S04M	
CT3DZ	
IW1QN	
OH7WW (OH3LQK)	908,890
Y09HP	
IW1PNJ	
IQØAP	
YP5A (Y05CBX)	670,980
7 MHz	
HK1T	
DR1D (DL1NX)	
S52X	3,215,926
IW1AYD	
HA8JV	
VE3UTT	2,126,802
NO4S (K90M)	
S51CK	1,7/3,460
9A5D (9A3ID) OH6R (OH3FM)	1,771,000
3.5 MHz OL9A (OK2ZAW)	1 246 968
DM7C (DL8CX)	
YU3AAA	1.014.528
UX510	
E7ØA SQ90RQ	
SQ90RQ	618,096
SQ90RQSP8K	618,096
SQ90RQSP8K	618,096 505,076 477,680
SQ90RQSP8K	618,096 505,076 477,680 399,434
SQ90RQSP8KLY2NYDL7URHVA3XH	618,096 505,076 477,680 399,434
\$090RQ	618,096 505,076 477,680 399,434 373,632
S990RQ SP8K	618,096 505,076 477,680 399,434 373,632
\$090R0 \$P8K LY2NY. DL7URH. VA3XH	618,096 505,076 477,686 399,434 373,632 5,751,894 4,963,708
SQBORG	
\$090R0 \$P8K. LY2NY. DL7URH. VA3XH LOW POWER ALL BAND *VA2UP *KK9A/4. *EA7/LTSUDX (UTSUDX)	
\$090RQ. \$P8K. LY2NY. DL7URH. VA3XH LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UT5UDX (UT5UDX) *ZZZT (PYZMNL) *TRISS.	
S090RO. SP8K. L/2NY DL7URH VA3XH LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UT5UDX (UT5UDX) *ZZZY (PY2MNL). *RT9S. *UP6P (UN6P).	
S090RO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4 *EA7/LT5UDX (UT5UDX). *ZZZT (PY2MNL). *RT9S. *UP6P (UN6P). *WB5TUF.	
SQOORG. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4. *EA77UTSUDX (UTSUDX) *ZZZT (PYZMNL). *TR19S. *UP6P (UN6P) *WB5TUF. *HA8BE.	
S090RO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UTSUDX (UTSUDX)	
SQOORG. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *EA7/UTSUDX (UTSUDX) *ZZZT (PYZMNL). *RT9S. *UPGP (UNGP) *WB5TUF. *HABBE. *\$56A. *AD7JP (K2PO)	
S090RO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4 *EA7/LITSUDX (UTSUDX). *ZZZZT (PY2MNL). *RT9S. *UP6P (UN6P). *HA8BE. *S56A. *AD7JP (K2P0)	
S090RO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UT5UDX (UT5UDX) *Z2ZT (PY2MNL) *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A *AD7JP (K2PO) *EE7Y (EA7ISH).	
\$990RO. \$P8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4. *EA7/UT5UDX (UT5UDX) *Z2ZT (PYZMNL). *RT9S *UP6P (UN6P). *WB5TUF. *HA8BE. *\$556A *AD7JP (K2PO) 28 MHz *LW6DG.	
S090RO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UT5UDX (UT5UDX) *Z2ZT (PY2MNL) *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A *AD7JP (K2PO) *EE7Y (EA7ISH).	
S090RO. SSP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4 *EA7/UT5UDX (UT5UDX). *ZZ2T (PY2MNL). *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A. *AD7JP (KZPO). 28 MHz *LW6DG *EETY (EA7ISH) *EETY (EA7ISH) *58IX4AMS.	
SQOORG. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4. *EA7/UT5UDX (UT5UDX) *2Z2T (PYZMNL). **T19S. *UP6P (UN6P) *WB5TUF. *HA8BE. *\$556A. *AD7JP (K2PO) *28 MHz *LW6DG. *EE7/ (EA7ISH) *5B/IZ4AMS.	
S090RO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4. *EA7/UTSUDX (UTSUDX) *ZZZT (PY2MNL). *RT9S. *UPOP (UNGP). *WB5TUF *HA8BE. *S56A *AD7JP (K2PO). *EE7Y (EA7ISH). *5BI/34AMS *HZ1PS. *A61ZX. *10/UZF.	
S090RO. SSP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4 *EA7/UT5UDX (UT5UDX). *ZZ2T (PY2MNL). *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A. *AD7JP (K2PO). 28 MHz *LW6DG. *EETY (EA7ISH). *S61A. *AMMS *HZ1PS. *A61ZX. *IØUZF. *XE3N. *JH6WNN.	
S090RO. SPP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UTSUDX (UTSUDX) *Z2ZT (PYZMINL). *RT9S *UPGF (UM6P) *WB5TUF. *HA8BE. *S55A *AD7JP (K2PO) *EETY (EA7ISH) *5BJC4AMS *HZ1ZX *IUW6DG *ETY (EA7ISH) *JBJC4AMS *HZ1ZX *IWUZF *A61ZX *IWUZF *XE3N *JH6WHN *VO2DX/9 (VE9AA)	
S090RO. SSP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4 *EA7/UT5UDX (UT5UDX). *ZZ2T (PY2MNL). *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A. *AD7JP (K2PO). 28 MHz *LW6DG. *EETY (EA7ISH). *S61A. *AMMS *HZ1PS. *A61ZX. *IØUZF. *XE3N. *JH6WNN.	
S090RO. SP98K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UTSUDX (UTSUDX) *Z2ZT (PYZMIL) *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A *AD7JP (K2PO) 28 MHz *LW6DG *EETY (EA7ISH). *5BJ/24AMS *HZ1PS. *A61ZX. *10U2F *XESN. *JH6WHN. *VOZDX/9 (VE9AA). *N2WK.	
S090RO. SP8K. LY2NY. DL7URH. VA3XH LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UT5UDX (UT5UDX) *ZZZT (PY2MNL). *RT9S. *UP6P (UN6P). *W85TUF. *HA8BE. *556A. *AD7JP (K2PO). 28 MHz *LW6DG. *EE7Y (EA7ISH). *5B/IZ4AMS. *HZ1PS. *A61ZX. *I/UUZF *XESN. *JH6WHN. *V02DX/9 (VE9AA). *N2WK. 21 MHz *5CSW (CN8KD).	
S090RO. SP8K. LV2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UT5UDX (UT5UDX)	
S090RO. SP98K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP *KK9A/4 *EA7/UTSUDX (UTSUDX) *ZZZT (FY2MNL). *RT9S. *UPGP (UNGP). *WB5TUF *HA8BE. *S56A *AD7JP (K2PO). 28 MHz *LW6DG *EETY (EA7ISH). *5BI/24AMS *HT2PS. *A61ZX. *I0/UZF *XESN *JH6WHN *VO2DX/9 (VE9AA). *N2WK. 21 MHz *5C5W (CN8KD). *IW9FDD.	
SO9ORO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4 *EA7/AUT5UDX (UT5UDX). *ZZZT (PY2MNL). *RT9S. *UP6P (UN6P). *WB5TUF. *HA8BE. *S56A. *AD7JP (KZPO). 28 MHz *LW6DG. *EETY (EA7ISH). *SBIZ4AMS. *HZ1PS. *A61ZX. *IØUZF. *XESN. *JHSWHN. *VO2DX/9 (VE9AA). *NZWK. *SCSW (CN8KD). *IW9FDD. *ECYZK. *KYTO.	
SO9ORO. SP8K. LY2NY. DL7URH. VA3XH. LOW POWER ALL BAND *VA2UP. *KK9A/4. *EA7/UTSUDX (UTSUDX). *ZZZT (PY2MNL). *RT9S. *UPGP (UNGP). *WB5TUF. *HA8BE. *S56A. *AD7JP (K2PO). 28 MHz *LW6DG. *EETY (EA7ISH). *5BI/24AMS *HE1PS. *A61ZX. *1(0/UZF. *XE3N. *JH6WHN *VO2DX/9 (VE9AA). *N2WK. *SC5W (CN8KD). **IW9FDD. **EC7ZK.	

2014	CQ
*BA2IA*W1ZD/7	539,358 483 688
*CT2IOV*RA9AU	447,848
RA9AU *GA5M (GM4ZNC)	357,098
	344,124
14 MHz *YW5T (YV5JBI)1,	100 208
*IZ8EFD	776,938
*URØHQ *RZ1ZZ	
*YU8NU	
*C02CW	
TG9ANF *YT2AAA	
LB2TG *VE3IAE	
	340,104
7 MHz *HG5D1,	
*0K2RU *HA8BT	
*IKØRCY	703,136
*USØHZ *DL5KUD	655,802
*G8HBA	631,780
*YU2A	536,300
KU5B *EW80F	518,624 513,922
3.5 MHz	
*IK5AMB*YT5CT	626,516 620,308
*HA1WD	604,788
SQ2NNN	
*0K2SAR *YT2T (0U5A)	
*EE8T (EA8MT)	273,000
*CT3KY*OM3RWB (OM3ZCK)	260,434 208.638
*MØNKR	
QRP all band	
TM3T (F5VBT)1,	483,900
F5BEG1,	
RX1CQ UT3N (UT3NK)	
OM6RK	551,784
K2YG N2QT/4	
HG6C (HA6IAM)	460,224
EA1SIMØVAA	
28 MHz	
A61DJ ED9K (EA9CD)	664,692
LW5DW	
CO6EC	73,947
IZ2JPNIK4UXA	
JH3DMQ	59,732
IZ3NVR W9PDS	
KB2HSH	
21 MHz	
HG3IPA (HA3JB)	174,048 166 254
ZZ8ØSP (PU2TRX)	147,920
K5ND SP4LVK	
YB2ERL	32,865
RA3XEVRAØAY	
9A4WT	510
DN7DX	270
14 MHz UX5UU	144 055
TG9ADQ	141,000
WB4MSG	132,775
9A4AA	71,340
NJ31	
EA1GFYHG3M	26,070
DL8LR W9CF/7	8,442
7 MHz	
S51DX	
UR3AHF SP4BPH	
UU4JCR	117,440
DJ3GE N6MA/7	
WA4VMC	79,508
UX9Q (UR9QQ) RQ22RP (RT5R)	40,512 42,940
UT3XA	
3.5 MHz	172 710
HA5NB ON9CC	35,126
LY5D (LY3BY)	24 520

MULTI-OPERATOR Single transmitter high power	WP4W\ YT2U
ED1R7,912,293	IZ3SQW
UA5A7,532,070 ZV2K6,311,266	EW4AA
HG7T6,283,025	
IW9GTD6,244,102	WW4LL
S55W5,874,678 IZ6TSA5,079,008	DL2SA)
DJ80G4,805,172	XE1EE . OH2BB
Z37M4,788,115	JI3BFC
UW5Y4,632,198	R11ALS IZ4GWE
MULTI-OPERATOR Single transmitter low power	HA5AW M3I
V31RU1,889,020	YO5CU
ON4WLR1,299,879	
ES101,044,884 WE5DX520,257	WK7S (
KT4RR479,171	WA5ZU
WØFRC290,832	UN4PG KZ5A
VE7SAR232,410 AA9L218,370	UA6LJE
IQØTE	J04CTE
5IØDX124,020	NK6A
MULTI-OPERATOR	BA4MY JA2HYE
TWO TRANSMITTER	JAZIIIL
LX7I12,295,782	
S51A	N2WQ/\ RU5TT
YL4U	USØMS
YL4U7,300,847 NØNI6,760,203	JA9CW.
K9XD6,040,412	IKØBZE
RK4W5,838,408 WQ2N4,389,024	MØUNI JH8SIT
LN504,147,535	ZM3T (
W4ML2,295,746	PY2KJ.
MULTI-OPERATOR	NO4C (
MULTI-TRANSMITTER 9A1A20,731,977	NO4S (I S51CK.
NR4M	IV3SKB
RWØA13,775,882	IKØYVV
HG1S	S57YX. KØPK
VC7J	LX7X (L
DKØKC7,925,120	K8YE
K4VV5,334,410	K7EIQ
OH5CY	W9AKS
ROOKIE High Power All Band	DD5FZ. IV3JCC WA3FR
KK4EIR898,800 VE2NMB618,422	ED5J (E JA9FAI
WH7DX177,093	
28 MHz 9A3DZH2,550	*ZZ2T (
14 MHz	*WB5T
F4GTD129,766	*WB5T *HA8BE *OQ4B
F4GTD129,766	*WB5T *HA8BE *OQ4B *UT5EF
F4GTD129,766 LOW POWER	*WB5T) *HA8BE *OQ4B *UT5EF *UT71(
F4GTD129,766 LOW POWER ALL BAND	*WB5Ti *HA8BE *OQ4B *UT5EF *UT7I (*OM7K
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT7I (*OM7K' *GM1C *F4GDI
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT7I (*OM7K' *GM1C *F4GDI
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT7I (*OM7K' *GM1C *F4GDI
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF.
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT71 (*OM7K' *GM1C *F4GDI *N2NF. *IZ8BR *IW4EG
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EG *PY4ZE
F4GTD	*WB5Ti *HA8BE *004B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EG *P44ZE *A811, *VE7BC
F4GTD	*WB5Ti *HA8Bt *004B *UT5EE *UT71 (*OM7K *GM1C *F4GD1 *N2NF. *IZ8BR *IW4EG *PY4ZE *AB1J *VE7BC *JM1NI)
F4GTD	*WB5T *HA8BE *OQ4B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EG *PY4ZE *AB1J *VE7BC *JM1NI *IKØPE
F4GTD	*WB5T *HA8BE *OQ4B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF. *1Z8BR *IW4E6 *PY4ZE *AB1J. *VE7BC *JM1NII *IKØPE *1Z7FLE
F4GTD	*WB5T *HA8BE *OQ4B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF. *1Z8BR *IW4E6 *PY4ZE *AB1J. *VE7BC *JM1NII *IKØPE *1Z7FLE
F4GTD	*WB5T *HA8BE *OQ4B *UT5EF *UT71 (*OM7K *GM1C *F4GDI *N2NF. *1Z8BR *IW4E6 *PY4ZE *AB1J. *VE7BC *JM1NII *IKØPE *1Z7FLE
F4GTD	*WB5T' *HA8BE *OQ4B *UT5EF *UT71(*OM7K *GM1C *F4GD) *N2NF. *IZ8BR *IW4E6 *PY4ZE *AB1.J. *VE7BE *JM1NI *IKØPE *IZ7LE *I4UUL *Z39A.
F4GTD	*WB5Ti *HA8BE *OQ4B *UT5EF *UT71(*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EC *PY4ZE *AB1J. *VE7BG *JM1NI *IKØPE *IZ7FLE *I4UUL *Z39A. *IW9FC *W1ZD.
F4GTD	*WB5Ti* *HA8BE* *1004B *UT5EF* *UT71(*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EC *PY4ZE *AB1J *VE7BC *JM1NI *IKØPE *IZ7FLF *I4UUL *Z39A *IW9FC *W1ZD *Y04RI *K3NK.
F4GTD	*WB5Ti* *HA8BE* *1004B *UT5EF *UT71(*0M7K *GM1C *F4GDI *N2NF *IZ8BR *IW4EC *PY4ZE *AB1J *VE7BC *JM1NI *IK0PE *IZ7FLF *I4UUL *Z39A *IW9FC *W1ZD *Y04RI *K3NK *DK1IP
F4GTD	*WB5Ti* *HA8BE* *1004B *UT5EF *UT71(*0M7K *GM1C(*F4GDI *N2NF. *IZ8BR *IW4EC *AB1J. *VE7BC *JM1NI *IK0PE *I4UUL *Z39A. *IW9FC *W1ZD. *Y04RE *K3NK. *DK1IP *JF1PY
F4GTD	*WB5Ti* *HA8BE* *1004B *UT5EF *UT71(*0M7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EC *PY4ZE *AB1J. *VE7BC *JM1NI *IKØPE *IZ7FLF *I4UUL *Z39A. *IW9FC *W1ZD. *Y04RI *K3NK. *DK1IP *JF1PY *JF1PY *JF1PY *JE12BO
F4GTD	*WB5Ti* *HA8BE* *OQ4B *UT5EF *UT71(*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4E6 *PY4ZE *AB1.1 *VE7BC *JM1NI) *IKØPE *IZ7FLF *I4UILL *Z39A. *IW9FE *W1ZD. *Y04RI *S3NK. *DK1IP *JF1PY *JE2BO *KB9S. *PY4XS
F4GTD	*WB5Ti* *HA8BE* *1004B *UT5EF *UT71(*0M7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EC *PY4ZE *AB1J. *VE7BC *JM1NI *IKØPE *IZ7FLF *I4UUL *Z39A. *IW9FC *W1ZD. *Y04RI *K3NK. *DK1IP *JF1PY *JF1PY *JF1PY *JE12BO
F4GTD	*WB5Ti* *HA8BE *1004B *UT5EF *UT71(*0M7K *GM1CI *N2NF. *1Z8BR *1W4ECE *PY4ZE *AB1J, *VE7BC *JM1M] *IKØPE *1Z7FLE *14UUL *239A. *1W9FC *W1ZD *Y04RI *K3NK. *DK1IP *JF1PY *JF1PY *JF1PY *JF1PX *SM3D
F4GTD	*WB5Ti* *HA8BE* *OQ4B *UT5EF *UT71(*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4E6 *PY4ZE *AB1.1 *VE7BC *JM1NI) *IKØPE *IZ7FLF *I4UILL *Z39A. *IW9FE *W1ZD. *Y04RI *S3NK. *DK1IP *JF1PY *JE2BO *KB9S. *PY4XS
F4GTD	*WB5Ti* *HA8BE *1004B *UT5EF *1UT71(*0M7K *GM1CI *N2NF. *1Z8BR *1W4ECE *PY4ZE *AB1J, *VE7BC *JM1M1 *IKØPE *1Z7FLE *14UUL *239A. *1W9FC *W1ZD *Y04RI *K3NK. *DK1IP *JF1PY *JF1PY *JF1PY *JF1PY *JF1PY *SM3D *YT2AA *SMØL *SMØL
F4GTD	*WB5Ti* *HA88B* *1004B *UT5EF *UT71(*OM7K *GM1C(*F4GDI *N2NF. *IZ8BR *IW4E6 *PY4E2 *AB1J. *VE7BC *JM1NII* *IKØPE *UT7LE *I4UUL *Z39A. *W1ZD. *Y04RI *K3NK. *DK1IP *JE1PY *JE2BC *KB9S. *PY4XX *SM3D *YT2AA *SMØL *ED4T. *G8Y1F
F4GTD	*WB5Ti* *HA8BE *1004B *UT5EF *1UT71(*0M7K *GM1CI *N2NF. *1Z8BR *1W4ECE *PY4ZE *AB1J, *VE7BC *JM1M1 *IKØPE *1Z7FLE *14UUL *239A. *1W9FC *W1ZD *Y04RI *K3NK. *DK1IP *JF1PY *JF1PY *JF1PY *JF1PY *JF1PY *SM3D *YT2AA *SMØL *SMØL
F4GTD	*WB5Ti* *HA88B* *1004B *UT5EF *UT71(*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EC *PY4ZE *AB1J *VEF8C *JM1NI *IKØPE *IZ7FLF *I4UUL *Z39A. *IW9FC *VY2D *VY4D *SM3D *Y72A *SM3D *Y72A *SM6U *E04T *G8Y1F *JI6BEI *JK8PB
F4GTD	*WB5Ti* *HA88B* *1004B *UT5EF *UT71(*OM7K *GM1C(*F4GDI *N2NF. *IZ8BR *IW4EC *P442E *AB1J, *VE7BC *JM1NI *IKØPE *W1ZD. *UW9FE *W1ZD. *VO4RI *K3NK. *DK1IP *JF1PY *JE2BC *W3D. *SM3D. *YT2AA *SM6L *ED4T, *G8YTF *JIGBEI *JIGGEI *JIGG
F4GTD	*WB5Ti* *HA88B* *1004B *UT5EF *UT71(*OM7K *GM1C *F4GDI *N2NF. *IZ8BR *IW4EC *PY4ZE *AB1J *VEF8C *JM1NI *IKØPE *IZ7FLF *I4UUL *Z39A. *IW9FC *VY2D *VY4D *SM3D *Y72A *SM3D *Y72A *SM6U *E04T *G8Y1F *JI6BEI *JK8PB

	.2,080,598
YT2UIZ3SQW	
EW4AA	.1,806,840
28 MHz	
WW4LL	.1,049,937
DL2SAXXE1EE	310 758
OH2BBT	229,537
JI3BFC R11ALS (UA3RF)	
IZ4GWE	65,659
HA5AWT	62,424
M3I Y05CUQ	
	20,000
21 MHz WK7S (K6LL)	1 591 035
WA5ZUP	
UN4PG	
KZ5A UA6LJB	
J04CTB	230,285
NK6A BA4MY	
JA2HYD	
14 MHz	
N2WQ/VE3 (N2WQ/VE3)	.1,753,890
RU5TT (RN3TE)	553,776
USØMS JA9CWJ	
IKØBZE	87,890
MØUNI JH8SIT	83,814
ZM3T (W3SE)	
PY2KJ	6,650
7 MHz	
NO4S (K90M)	.2,077,756
S51CKIV3SKB	.1,773,460
IKØYVV	936,000
S57YX	498,686
KØPKLX7X (LX3PR)	245 632
K8YE	72,558
K7EIQ W9AKS	
W3AN3	32,230
3.5 MHz	
DD5FZIV3JCC	
WA3FRP	80,868
ED5J (EA5DM)JA9FAI	
LOW POWER All Band	
*ZZ2T (PY2MNL)	
	.2,856,296
*WB5TUF	.2,254,500
*HA8BE	.2,254,500
*HA8BE *OQ4B (ON4BHQ) *UT5EPP	.2,254,500 .2,121,813 .1,908,360 .1,608,659
*HA8BE *OQ4B (ON4BHQ) *UT5EPP *UT7I (UT2IO)	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808
*HA8BE *0Q4B (0N4BHQ) *UTSEPP *UT7I (UT2I0) *OM7KW *GM1C (GM1BSG)	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740
*HABBE. *004B (0N4BHQ) *UT5EPP. *UT7I (UT2I0) *OM7KW. *GM1C (GM1BSG)*	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684
*HA8BE *0Q4B (0N4BHQ) *UTSEPP *UT7I (UT2I0) *OM7KW *GM1C (GM1BSG)	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684
*HA8BE. *OGAB (OM4BHQ). *UT5EPP *UT71 (UT2IO). *OM7KW *GMTC (GM1BSG). *F4GDI *N2NF *28 MHz	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684 .1,146,080
*HA8BE. *OOAB (OM4BHQ) *UTSEPP *UTTI (UTZIO) *OM7KW *GMIC (GM1BSG) *F4GD1 *N2NF *28 MHz *IZ8BRI	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684 .1,146,080
*HA8BE. *OOAB (OM4BHQ) *UTSEPP *UTTI (UTZIO) *OM7KW *GMIC (GM1BSG) *F4GD1 *N2NF *IZ8BRI *IW4EGX *IW4EGX	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684 .1,146,080 305,620 287,326 223,875
*HA8BE *OQAB (ON4BHQ) *UT5EPP *UT71 (UT2IQ) *OM7KW *GM1C (GM1BSG) *F4GDI *N2NF *28 MHz *IZ6BRI *IW4EGX *P4YZE *P4YZE	.2,254,500 .2,121,813 .1,908,360 .1,541,808 .1,426,659 .1,288,740 .1,163,684 .1,146,080 305,620 23,875 23,875 183,241
*HA8BE **OQAB (ON4BHQ) **UT5EPP **UT7! (UT2IO) **OMTKW *GM1C (GM1BSG) **F4GDI **N2NF **IZ8BRI **IW4EGX *PY4ZE **AB1J **VE7BC **JM1NKT	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684 .1,146,080 287,326 223,875 183,241 122,496 122,496 120,926
*HABBE ** **COAB (OM4BHQ) ** **UT5EPP ** **UT71 (UT2IO) ** **OM7KW ** **GMTC (GM1BSG) ** **F4GDI ** **N2NF ** ** **IZ8BRI ** **IVM4EGX ** **PV4ZE ** **AB1J ** **VE7BC ** **JM11KT ** ** **IKIOPEA ** ** ** ** ** ** ** ** ** ** ** ** **	.2,254,500 .2,121,813 .1,908,360 .1,608,659 .1,541,808 .1,426,659 .1,288,740 .1,163,684 .1,146,080 305,620 287,326 223,875 183,241 100,926 100,926 100,926 100,926
*HA8BE. **OOAB (OM4BHQ) **UT5EPP **UT71 (UT2IQ) **OM7KW **GM1C (GM1BSG) *F4GD1 **N2NF **IZ8BRI **IZ8BRI **IW4EGX *PY4ZE *AB1J **VE7BC *JM1NKT **IK0PEA **IK0PEA	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 183,241 1122,496 100,926 81,000 81,000
*HABBE ** **COAB (OM4BHQ) ** **UT5EPP ** **UT71 (UT2IO) ** **OM7KW ** **GMTC (GM1BSG) ** **F4GDI ** **N2NF ** ** **IZ8BRI ** **IVM4EGX ** **PV4ZE ** **AB1J ** **VE7BC ** **JM11KT ** ** **IKIOPEA ** ** ** ** ** ** ** ** ** ** ** ** **	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 183,241 110,926 81,000 79,460 73,457
*HA8BE. **OQAB (ON4BHQ) **UTSEPP **UTTI (UTZIQ) **OMTKW **GMIC (GMIBSG) **F4GDI **N2NF **IZ8BRI **IZ8BRI **IW4EGX **PY4ZE **AB1 **VE7BC **JMINKT **IKOPEA **IKOPEA **IZ7FLP **I4UUL **Z39A	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 183,241 110,926 81,000 79,460 73,457
*HA8BE. **OOAB (OM4BHQ) **UTSEPP **UTTI (UTZIO) **OMTKW **GMIC (GM1BSG) **F4GD1 **N2NF **IZ8BRI **IW4EGX **IW4EGX **PY4ZE **AB1J **VE7BC **JM1NKT **IK0PEA **IK0PEA **IZ7FLP **I4UUL **Z39A **21 MHz **IW9FDD	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 132,441 1122,496 109,26 109
*HABBE ** **COAB (GM48HG) ** **UT75EPP ** **UT71 (UT2IO) ** **OM7KW ** **GM1C (GM18SG) ** **F4GDI ** **IZ8BRI ** **IV4FGX ** **IV4FGX ** **PV4ZE ** **AB1 J ** **VE7BC ** **JM11KT ** **IKIOPEA ** **IZ7FLP ** **I4UUL ** **Z39A ** ** **UW9FDD ** **WYEDD ** **WYEDD ** ** **UT207 ** ** ** **UT207 ** ** ** ** ** ** ** ** ** ** ** ** **	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 2,287,326 2,287,326 1,283,241 1,124,946 1,124,94
*HA8BE. *OQAB (OM4BHQ). *UT5EPP *UT71 (UT2IO). *OM7KW *GMTC (GM1BSG). *F4GDI *N2NF. *IZ8BRI. *IW4FGX. *PY4ZE. *AB1J. *VE7BC. *JM1NKT. *IKIØPEA. *IZ7FLP. *IHUUL. *Z39A *Z1 MHz *IW9FDD. *W1ZD7.	2,254,500 2,121,813 1.908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 223,875 1183,241 1,124,640 1
HA8BE **OOAB (OM4BHQ) **UT5EPP	2,254,500 2,121,813 1.908,360 1.608,659 1.541,808 1.426,659 1.288,740 1.163,684 1.146,080 287,326 223,875 1.305,620 287,326 1.305,620 287,326 1.305,620 287,326 1.305,620 1.305,
*HA8BE. **OQAB (OM4BHQ). **UT5EPP **UT71 (UT2IQ). **UT5EPP **UT71 (UT2IQ). **OM7KW **GMTC (GM1BSG). **F4GDI **N2NF **IZ8BRI **IZ8BRI **IW4EGX **PY4ZE **AB1J **VE7BC **JM1NKT **IKØPEA **LZ7FLP **IHØPEA **LZ7FLP **I4UUL **Z39A **US9FDD **W1ZD7 **VO4RDW **K3NK **DK1IP **JSF1PYJ	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 2,287,326 2,23,875 183,241 1122,496 1100,926 81,000 73,457 70,517 71,040 483,688 153,680 1106,590 1106,590 1106,590 1106,904
*HA8BE. *OQAB (OM4BHQ). *UT5EPP	2,254,500 2,121,813 1.908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 287,326 223,875 1132,241 1122,496 110,926 81,000 73,457 771,040 483,688 106,590 104,904 486,688 106,590 104,904 486,688 106,590 104,904 486,688 106,590 104,904 486,688 106,590 104,904 486,688 106,590 104,904 486,688 38,907,38
*HABBE ** **OQAB (GMABHG) ** **UT75EPP ** **UT71, (UT2IO) ** **OMMTKW ** **GMTC (GMMBSG) ** **F4GDI ** **IZ8BRI ** **IV4EGX ** **IV4EGX ** **PV4ZE ** **AB1 J ** **VE7BC ** **JM11KT ** **IK0PEA ** **IZ7FLP ** *I4UUL ** **Z39A ** ** **21 MHz ** **IW9FDD ** **VY4RDW ** **K3NK ** **DK1IP ** ** **JF1PY J ** ** **JE2EOM ** ** ** ** ** ** ** ** ** ** ** ** **	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 132,496 100,926 81,000 79,460 779,450 100,516 100,51
*HA8BE. **OQAB (OM4BHQ). **UT5EPP	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 132,496 100,926 81,000 79,460 779,450 100,516 100,51
HABBE **COAB (OM4BHQ). **UT5EPP **UT71 (UT2IO). **OM7KW **GMTC (GM1BSG). **F4GDI **N2NF **IZ8BRI **IW4EGX **PV4ZE **AB1J **VE7BC **JM1NKT **IK0PEA **IZ7FLP **IW9FDD **W1ZD/7 **Y04RDW **K3NK **DK1IP **JF1PYJ **JF1PYJ **JF1PYJ **JF1PYJ **JF1PYJ **SMSDXC **SMSDXC **UT5EPP **SMSDXC	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,1288,740 1,1163,684 1,146,080 305,620 222,87,326 222,875 133,241 1122,496 1100,926 11
HA8BE **OQAB (OM4BHQ)** **UTTSEPP*** **UTTI (UTZIO)** **OMTKW** **GMTC (GM1BSG)** **F4GDI.** **IZ8BRI.** **IVAFGX.** **PY4ZE** **AB1J.** **VE7BC.** **JM1NKT.** **IKIØPEA.** **IZ7FLP** **IHUUL.** **Z39A.** **Z1 MHz** **W9FDD.** **W1ZD7** **Y04RDW.** **K3NK.** **DK1IP.** **JF1PYJ.** **JE2BOM.** **K9SS.** **PY4XX.** **SM3DXC.** **Y1ZAAA.** **Y1ZAAA.** ***1UTSION** **IMFD.** **IM	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 287,326 287,326 287,326 287,326 287,326 287,326 273,326 273,26 273,26 273,26 310,0926
HA8BE **OQAB (OM4BHQ) **UTTSEPP	2,254,500 2,121,813 1.908,360 1.608,659 1.541,808 1.426,659 1.1288,740 1.183,684 1.146,080 287,326 223,875 1.122,496 1.102,926
*HA8BE. **OQAB (OM4BHQ). **UT5EPP **UT71 (UT2IQ). **UT5EPP **UT71 (UT2IQ). **OM7KW **GMTC (GM1BSG). **F4GDI **N2NF **IZ8BRI **IW4EGX **PY4ZE **AB1J **VE7BC **JM1NKT **IKØPEA **LZ7FLP **IKØPEA **LZ7FLP **IHUUL **Z39A **Z39A **Z39A **Z39A **Z39A **SMSDXC **LAME (LAME) **LAME (LA	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 287,326 223,875 183,241 1122,496 1100,926 81,000 79,460 79,460 79,460 100,926 81,000 79,460 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 100,926 81,000 81,
HA8BE **OQAB (OM4BHQ)** **UTTSEPP*** **UTTI (UTZIO)** **OMTKW** **GMTC (GM1BSG)** **F4GDI.** **IZ8BRI.** **IVAFGX.** **PY4ZE** **AB1J.** **VE7BC.** **JM1NKT.** **IKIØPEA.** **IZ7FLP** **IHUUL.** **Z39A.** **Z1 MHz** **W9FDD.** **W1ZD7.** **Y04RDW.** **K3NK.** **DK1IP.** **JF1PY.J.** **JE2BOM.** **K9SS.** **PY4XX.** **SM3DXC.** **Y1ZAAA.** **SMGLPO.** **ED4T.** **SMGLPO.** **ED4T.** **G8YTF (MØVAA).** **JISEPBO.** **IJSEPBO.** **G8YTF (MØVAA).** **JISEPBO.** **JISEPBO.** **JISEPBO.** **JISEPBO.** *** **G8YTF (MØVAA).** *JISEPBO.** **JISEPBO.** **JISEPBO	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,288,740 1,163,684 1,146,080 305,620 2,287,326 2,23,875 1,83,241 1,122,496 1,100,926 81,000 73,457 70,517 77,517 77,517 77,517 78,1040 483,688 1,53,680 1,54,6
HABBE **OOAB (OM48HQ) **UT5EPP **UT71 (UT2IO) **OOMTKW **GMTC (GM18SG) **F4GDI **P4GDI **IZ8BRI **IW4EGX **PY4ZE **AB1 J **VE7BC **JM11NKT **IKIOPEA **IZ7FLP **IHUUL **Z39A **21 MHz **WYEDD **WYEDD **WYEDD **VO4RDW **K3NK **DK1IP **JE2BOM **K89S **PY4XX **SM3DXC **SM0LPO **ED4T **G8YTF (MØVAA) **JIGBEN **JIGGEN **JI	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,1288,740 1,163,684 1,146,080 305,620 223,875 223,875 183,241 1122,496 1100,926 81,000 483,680 179,460 17
HABBE **OQAB (OM48HQ) **UT76EPP **UT71 (UT2IO) **OM7KW **GM1C (GM18SG) **F4GDI **RABIJ **VEYBE **VEYBE **JM1NKT **IKIDPEA **JM1NKT **IKIDPEA **JZ7FLP **IHUUL **Z39A **Z39A **Z1 MHZ **WYEDD **WYEDD **WYEDD **WYEDD **WYEDD **WYEDW **SMSC **SMSC **JH MHZ **SMSC	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,1288,740 1,163,684 1,146,080 305,620 223,875 223,875 183,241 1122,496 1100,926 81,000 483,680 179,460 17
HABBE **COAB (GMABHQ) **UTTSEPP	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,1288,740 1,1183,684 1,146,080 305,620 222,3875 133,241 1122,496 1100,926 181,000 -79,460 -79,400
HABBE **OQAB (OM48HQ) **UT76EPP **UT71 (UT2IO) **OM7KW **GM1C (GM18SG) **F4GDI **RABIJ **VEYBE **VEYBE **JM1NKT **IKIDPEA **JM1NKT **IKIDPEA **JZ7FLP **IHUUL **Z39A **Z39A **Z1 MHZ **WYEDD **WYEDD **WYEDD **WYEDD **WYEDD **WYEDW **SMSC **SMSC **JH MHZ **SMSC	2,254,500 2,121,813 1,908,360 1,608,659 1,541,808 1,426,659 1,1288,740 1,1183,684 1,146,080 305,620 222,3875 133,241 1122,496 1100,926 181,000 -79,460 -79,400

*DL5KUD	641 592
*YU2A	536,300
*13PXN	
*DF1LX	
*LY2BUU *9A5B (9A6NRD)	412,896
*S54X	
*UTØEL	269,808
*IV3IXN	241,332
3.5 MHz *IK5AMB	626 516
*SQ2NNN	341,700
YT2T (OU5A) *HA5NB	173,712
*IT9JDH	,,,,,
SINGLE OPERAT High Power	OR
ALL BAND KI1G	7,701,728
AA3B	
K4GMH	
AB5K W4PK	
KS7AA (WK6I)	3,463,224
W3LL	3,446,100
ACØC	
AI9T ABØRX	
28 MHz AA5AU	1 206 206
WW4LL	
W7ZR	869,400
N5MOA	
K6HGF K5QR	
W6BVB	116,630
W6WRT	96,996
K9YC/6	
KØJJ/7	00,411
21 MHz WK7S (K6LL)	1 591 034
N7AT (K8IA)	
WA5ZUP	1,260,567
AI6YL/7 (AI6YL/7)	
W9ILY N2MM	
NC7J (W7CT)	
KZ5A	833,310
NC7J (W7CT) KZ5A N7BV N7BT	833,310 622,422 504,260
KZ5A N7BV N7BT	
KZ5A	833,310 622,422 504,260 409,374 598,525 480,048
KZ5A. N7BV N7BT 14 MHz KJ5T KTØDX W3RTY	833,310 622,422 504,260 409,374 598,525 480,048 222,324
KZ5A. N7BV. N7BT. 14 MHz KJ5T. KTØDX. W3RTY.	833,310 622,422 504,266 409,374 598,525 480,044 222,324 201,933
KZ5A. N7BV N7BT 14 MHz KJ5T. KTØDX WSRTY W7PU. NNBNN (W6XK).	
KZ5A. N7BY. 14 MHz KJ5T. KU5T. KU5UX. WSBTY. WSPYU. NNIGNN (W6XK). Al3Q. 7 MHz	833,310 622,42; 504,266 409,374 598,52; 480,044 222,32 201,93; 155,48(20,29)
KZ5A. N7BT 14 MHz KJ5T. KTØDX W3RTY W7PU. NNGNN (W6XK). AI3Q. 7 MHz N04S (K90M).	833,31(622,42; 504,26(409,374 598,52(480,04(222,32: 201,93: 155,48(20,29:
KZ5A. N7BT. 14 MHz KJ5T. KTØDX. W3RTY W7PU. NNGNN (W6XK)	833,31(622,422 504,26(409,374 598,525 480,04(222,324 201,933 155,48(20,29* 2,077,756 2,077,756 216,834
KZ5A. N7BT 14 MHz KJ5T. KTØDX WSRTY. WZRY. WZPU. NN6MN (W6XK). AI30. 7 MHz KØPK. AB9H AG2T	833,31(622,422 504,26(409,374 598,52(400,0374 598,52(201,93(202,92(201,93(202,93(207,75(257,14(216,83(216
KZ5A. N7BV. 14 MHz KJ5T. KTØDX. WSRTY. WSPU. NNIGNN (W6XK). Al3Q. 7 MHz KØPK. AB9H. AG2T.	833,31(622,42; 504,26(409,37- 598,52; 480,04(222,32- 201,93; 155,48(20,29- 2,077,75(257,14(216,83- 116,376 72,556
KZ5A. N7BT 14 MHz KJ5T. KTØDX W3RTY W7PU. NNBKNN (W6XK)	
KZ5A. N7BT 14 MHz KJ5T. KTØDX WSRTY W7PU. NNB6NN (W6XK). AI3Q 7 MHz N04S (K90M). KØPK. AB9H. AG2T KSYE. KYEIO. W9AKS 3.5 MHz	833,31 622,422 504,266 409,37 ⁴ 598,522 480,04 222,32 201,933 155,48(207,7,76 257,14 216,83 116,37 72,55(43,43,67 72,55(43,43,67 73,32,25(
KZ5A. N7BV 14 MHz KJ5T. KT0DX. WSRTY W7PU. NNBNN (W6XK). AISO. 7 MHz NO4S (K90M). KOPK. AB9H. AG2T. K8YE K7EIO. W9AKS 3.5 MHz K4FJ. WA3FRP.	833,311 822,422 824,242 824,242 824,242 824,242 825,242 826,24
KZ5A. N7BV. N7BV. N7BV. N7BV. KJ5T. 14 MHz KJ5DX. WSRTY. WSRTY. WSRYV. N7PU. NNGNN (W6XK). Al3Q. 7 MHz N04S (K90M). KØPK. AB9H. AG2T KØYE. W9AKS. 3.5 MHz K4FJ. WA3FRP.	833,311 622,422 504,262 504,262 409,374 598,522 480,044 222,32 201,333 55,486 20,277,756 257,144 216,83 43,677 32,256 229,956 80,866 74,166 74,166
KZ5A. N7BV. 14 MHz KJ5T. T19 MHz KJ5T. KTØDX. WSRTY WZPU. NNGNN (W6XK). AISQ. 7 MHz NO4S (K90M). KØPK. AB9H. AG2T. K8YE. K7EIO. W9AKS. 3.5 MHz K4FI. WASFPP. NSFZ.	833,311 622,422 594,262 594,262 409,37 598,522 480,044 222,32 201,93 20,29 2,077,756 257,144 216,83 43,67 43,67 32,256 80,868 80,866 74,166 60,666
KZ5A. N7BT 14 MHz KJ5T. KTØDX WSRTY WZPU. NNGNN (W6KK) AI3Q 7 MHz N04S (K90M) KØPK AB9H AG2T K8YE KZFU. W9AKS 3.5 MHz K4FJ W43FRP NSRZ NJ4F NISZ'3.	833,311 624,245 624,425 634,261 409,374 598,522 480,044 222,32 2019,333 155,484 216,334 216,334 217,754 225,714 216,334 216,334 216,334 216,334 216,344 217,754 229,956 229,956 231,74,166 60,766
KZ5A. N7BV 14 MHz KJ5T. KT0DX. W3RTY W7PU. NNGNN (W6XK). AISO. 7 MHz NO4S (K90M). K0PK. AB9H AG2T K8YE. K8YE. K7EIO. W9AKS 3.5 MHz K4FJ. WA3FRP. NSRZ. NJ4F NISZ/3. W7PP. K4WW.	833,311 822,242,252 824,242,252 825,242,262 826,242,262 826,242,252 826,262 826,262 826,262 826,262 826,262 826,262 827,146 82
KZ5A. N7BT 14 MHz KJ5T KTØDX W3RTY W7PU NNGNN (W6XK) AI3Q 7 MHz NO4S (K90M) RØPK AB9H AG2T K8YE K7EIQ W9AKS 3.5 MHz K4FJ WA3FRP NDFZ NJ4F NISZ/3 W7PP K4WW	833,311 822,422 824,242 824,242 824,242,242,242,242,241 826,242,242,241 833,31
KZ5A. N7BT. 14 MHz KJ5T. KTØDX WSRTY WZPU. NNIGNN (W6XK). Al3Q. 7 MHz KØPK. AB9H. AG2T KSEYE KZFLO. W9AKS. 3.5 MHz K4FJ. WA3FRP. NSFZ. NJ4F. NISZ/3. WYPP. KAWW. W6GJB. LOW POWER ALL BAND	833,311 622,422 504,262 622,422 622,422 633,64
KZ5A. N7BV 14 MHz KJ5T. KT0DX. W3RTY W7PU. NNGNN (W6XK). AI3Q. 7 MHz NO4S (K90M). K0PK AB9H AG2T K88YE K7EIQ. W9AKS 3.5 MHz K4FJ. WA3FRP. NSRZ. NJ4F NISZ/3. W7PP. K4WW. W6GJB. LOW POWER ALL BAND	833,311 624,262 624,242 504,266 60,767 60,0767
KZ5A. N7BT. 14 MHz KJ5T. KTØDX WSRTY WSPU. NNGNN (W6XK). AI3Q. 7 MHz KØPK. AB9H. AG2T KSYE KZFU. W9AKS 3.5 MHz KAFP. NSFZ. NJ4F. NISZ/3.	833,311 622,422 504,261 409,374 598,522 480,044 222,32 201,333 55,481 20,297 20,297 20,77,756 257,144 216,83 43,677 32,256 29,956 20,74,161 60,766 60,766 20,386 20,386 21,11 1,610
KZ5A. N7BV. 14 MHz KJ5T. KJ6T. KJ6T. KJ6T. KJ7DX. W7PU. NNGNN (W6XK). Al3Q. 7 MHz KJ6PK. AB9H. AG92T. KJ7PE. KJ7PE. KJ7PE. KJ7PE. MA3FP. MA3FP. MA3FP. MA4F. MI5Z/3 MYPP. K4WW. W6GJB. LOW POWER ALL BAND *KK9A/4. *WB5TUF. *AD7JP (K2PO).	833,311 624,24 504,266 409,374 598,522 480,04 222,32 201,333 155,486 22,77,756 257,14 216,83 43,677 72,556 43,677 43,677 43,676 20,786 43,677 43,677 43,677 43,677 43,677 43,677 43,677 43,676 43,677 43,677 43,677 43,677 43,677 43,677 43,677 43,677 43,677 44,166
KZ5A. N7BT. 14 MHz KJ5T. KTØDX WSRTY. WSRTY. WYPU. NNIGNN (W6XK). AI3Q. 7 MHz KØPK. AB9H. AG2T K8YE K7EIQ. W9AKS. 3.5 MHz K4FJ. WA3FRP. NSFZ. NJ4F. NISZ/3. WYPP. K4WW. W6GJB. LOW POWER ALL BAND *KKSAJ4. *WBSTUE. *AD7JP (K2PQ). **WSSS.	833,311 822,425 822,425 840,426 840,42
KZ5A. N7BV. N7BV. N7BV. N7BV. N7BV. N7BV. N7BV. N7BV. N7BV. NNGNN (W6XK). AI3Q. 7 MHz N04S (K90M). K0PK. AB9H. A62T. K8YE K7EIQ. W9AKS. 3.5 MHz WASFAP. NSRZ. NJ4F. NJ4F. NSRZ. NJ4F. NJ4	833,311 622,425 624,426 634,426 634,426 640,42
KZ5A. N77BV. 14 MHz KJ5T. KJ5T. K19DX WSRTY. WSRTY. WSRTY. WSRTY. WSRYU. NNGNN (W6XK). Al3Q. 7 MHz KGPK. AB9H. AG2T. KGPK. AB9H. AG2T. KSYE. KZYE. W9AKS. 3.5 MHz WA3FRP. NSFZ. NJ4F. NISZ/3. WFPP. KAWW. W6GJB. LOW POWER ALL BAND *KK9A/4. "W8STU." "WW3S. *K9NR. "NT0F.	833,311 622,426 504,267 504,267 409,374 598,522 480,044 222,32 201,933 554,867 20,297 20,297 20,277,756 257,144 216,83 43,677 32,256 29,956 20,74,161 11,610
KZ5A. N77BV. N7BT. 14 MHz KJ5T. KTØDX. WSRTY WZPU. NNGNN (W6XK). AISQ. 7 MHz N04S (K90M). 7 MHz N04S (K90M). ASQ. 3.5 MHz KGPK. ASQ. WSRYE. K7EIO. WSRYE. ASD. K7EIO. WSRYE. ASD. ASD. ASD. ASD. ASD. ASD. ASD. ASD	833,311 822,422 824,242 824,242 824,254 825,242,242 825,242,242 825,242,242 825,242 825,242 825,242 825,242 825,24
KZ5A. N7BV. N7PU. NNGNN (W6XK). Al3Q. 7 MHz N04S (K90M). KØPK. AB9H. AG2T KØYE. W9AKS. 3.5 MHz K4FJ. N4FP. N4SFP. N5RZ. N4FJ. N6SPV. W85TUF. N6SPV. W85TUF. N6SPV. W85TUF. N6SPV. N	833,311 622,426 504,261 409,374 598,522 480,044 222,32 201,333 155,486 227,7756 257,144 216,33 43,677 72,556 43,677 43,67
KZ5A. N7BV. 14 MHz KJ5T. 14 MHz KJ5T. KTØDX WSRTY. WSRTY. WSRTY. WSRTY. WSRTY. WSRTY. N04S (K90M). KØPK. AB9H. AG2T K8YE. KSYE. K7EIO. W9AKS 3.5 MHz K4FJ. WASTRP. NSPZ. NJ4F. NISZ/3. WYPP. K4WW. W6GJB. LOW POWER ALL BAND *KK9A/4. "WBSTUF. "WBSTUF. "AD7JP (K2PO). "WWSS. "K9NR. "NT0F. "AD7JP (K2PO). "WWSS. "K9NR. "NT0F. "AB7JP (K2PO). "WWSFIZ. "AB5XD. "AABR. "N2NF.	833,311 822,425 822,425 840,04 840,37 850,426
KZ5A N7BV 14 MHz KJ5T 14 MHz KJ5T KJ6T KJ6DX W3RTY W7PU NN6NN (W6XK) AISQ 7 MHz N04S (K90M) 7 MHz N6PK ABS9H AG2T K8YE K7EIO W9AKS 3.5 MHz K4FI WASTPP N5RZ NJ4F N1SZ/3 W7PP K4WW WB5TUF ADJ7JP (K2PO) **W39S **K9A4 **W5TUF **ADSXD **ADSXD **ADSXD **ADSXD **ADSXD **ADSXD **ADSXD **ADSXD **ADSXD **ASMR **N2WK **N2WK 28 MHz	833,311 822,24 824,255 826,242,255 826,242,255 826,262,277,755 827,144 827,145 827,146 837,146 837,146 838,176 848,176
KZ5A N7BU 14 MHz KJ5T KTØDX W3RTY W7PU NNJSNN (W6XK) AI30 NO4S (K9OM) KØPK AB9H A62T K8PK K8PK K7FLO W9AKS 3.5 MHz K4FJ WASTRP N5RZ NJ4F N1SZ/3 W7PP K4WW W6G JB LOW POWER ALL BAND *KK9A/4 *W9STUF *AD3VJP (K2PO) *WW3ST *AD5XD *AB8R *N1DF *N2NF *N2N	833,316 822,425 824,256 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 829,826 821,141,616 84,963,708 84,963,708 84,963,708 85,966 86,1768 87
14 MHz	833,316 824,265 824,225 834,266 835,267 8480,347 8480,347 85,267 85,267 86,277 86,277 87,255 87,146 87,147 87,255 88,366
KZ5A N7BU 14 MHz KJ5T KTØDX W3RTY W7PU NNJSNN (W6XK) AI30 NO4S (K9OM) KØPK AB9H A62T K8PK K8PK K7FLO W9AKS 3.5 MHz K4FJ WASTRP N5RZ NJ4F N1SZ/3 W7PP K4WW W6G JB LOW POWER ALL BAND *KK9A/4 *W9STUF *AD3VJP (K2PO) *WW3ST *AD5XD *AB8R *N1DF *N2NF *N2N	833,316 822,425 824,225 840,046 840,374 850,426 850,426 860,42

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*WB9TFH	63,666	*KD2D0E		S04M		OM6RK		7 MHz	
	48,645	*KG7DYX	10,676	IW1QN		HG6C (HA6IAM)		*9A3BWW	
	21 MHz	TRIBANDER/SINGLE ELI	MENT	OH7WW (OH3LQK)		EA1SI		*14JEE	6,47
*K7T0	557,568	HIGH POWER	IMENI	Y09HP IW1PNJ		MØVAA Y04BEW		TRIBANDER/SINGLE EL	EMENT
	483,688	ALL BAND		IQØAP		EA1GT		HIGH POWER	LLINLINI
W5N7/4	108,402	NU4Y	1 506 925	YP5A (Y05CBX)		LATUI	200,300	ALL BAND	
K3NK	106,590	AC4CA/5	1.493.300	IZ7ECL		28 1	MHz	G2F (MØCKE)	2.904.96
	95,207	NX50		EE5C (EA5EJ)		IZ2JPN	73,647	GWØA	2,524,04
	81,732	KA2D				IK4UXA		EU1AZ	2,434,74
	38,907	N3QE		7 MHz		IZ3NVR		OK2SFP	2,278,35
	10,695	K3MD		DR1D (DL1NX)		9A6K (9A3QB)	560	YL9T (YL2TW)	2,170,35
	10,425	W4CU		S52X				SV2BFN	
*KFØIQ	9,499	KV7DX (AA7V)		IW1AYD		21		YT2U	
		KØALT		HA8JV		HG3IPA (HA3JB)		IZ3SQW	
	14 MHz	NR2C	1,072,683	S51CK		CT1BXE		EW4AA	
	22,781			9A5D (9A3ID)		SP4LVK RA3XEV	10.054	EV1R	1,691,91
	782	28 MHz	4 0 40 007	OH6R (OH3FM)		9A4WT	510	28 MHz	
AFOI (KOID)	475	WW4LL	1,049,937	LY2FNIV3SKB		DN7DX	270	DL2SAX	406.04
	7 MHz	21 MHz		UR6EA		5111 571		OH2BBT	
*KIISB	518,624	WK7S (K6LL)	1 581 035	UNOEA	1,030,332	14 (MHz	R11ALS (UA3RF)	
	52,800	WA5ZUP		3.5 MHz		UX5UU		IZ4GWE	
KCSIMB	49,248	KZ5A		OL9A (OK2ZAW)	1 246 968	G8YTF (MØVAA)		HA5AWT	
	48,616	NK6A		DM7C (DL8CX)		9A4AA		M3I	
	31,992			YU3AAA	1.014.528	EA1GFY		Y05CUQ	
	6,708	7 MHz		UX5I0		HG3M			
	3,168	NO4S (K90M)	2.077.756	E7ØA		DL8LR	8,442	21 MHz	
		KØPK		SQ90RQ		SV1DJG	128	UA6LJB	607,33
	3.5 MHz	K8YE	72,558	SP8K	505,076				
NX5M	34,650	K7EIQ	43,672	LY2NY	477,680	7 N		14 MHz	
		W9AKS	32,256	DL7URH		S51DX		RU5TT (RN3TE)	
	QRP			DD5FZ	328,724	UR3AHF SP4BPH	251,88U	USØMS	414,02
	ALL BAND	3.5 MHz				UU4JCR	122,740 117 AAD	IKØBZE	
2YG	545,941	WA3FRP	80,868	LOW POWER		DJ3GE	111 600	MØUNI	83,81
	479,960			ALL BAND		UX9Q (UR9QQ)			
V6QU (W8QZA	1)276,874	LOW POWER		*EA7/UT5UDX (UT5UDX)	3,349,320	RQ22RP (RT5R)	42.940	7 MHz	
5IJE	186,590	ALL BAND	0.054.5	*HA8BE	2,121,813	UT3XA		S51CK	1,773,46
	168,909	*WB5TUF		*S56A		UX7UW	10,904	IV3SKB	
	49,912	*N2NF		*0Q4B (0N4BHQ)		IZ2QKG	9,898	IKØYVV	936,00
	37,290	*WW1MM (N1EN)		*UT8EL				\$57YX	498,68
	29,748	*AB4SF		*MØA (G8APB)		3.5		LX7X (LX3PR)	245,63
	28,386	*WV1K (N1IXF) *NY6DX/2		*UC6A *LZ5XQ		HA5NB		3.5 MHz	
119K	24,500					ON9CC			200.70
	28 MHz	*KB3LIX *K6GHA		*ES5RY *UT5EPP		LY5D (LY3BY)	34,532	DD5FZ IV3JCC	
NODDC		*KM6Z		UI3EPP	1,000,009			ED5J (EA5DM)	
		*W1CCE		28 MHz		MULTI-0		EDƏJ (EAƏDINI)	15,/5
	5,967	W 100E		*EE7Y (EA7ISH)	1 582 380	SINGLE TRANSMIT		LOW POWER	
	341	28 MHz		*IØUZF		ED1R		ALL BAND	
4407		*AB1J	183 241	*HGØR (HAØNAR)		UA5A		*HA8BE	2 121 81
	21 MHz	*K7GS		*UZ7H0		HG7T		*0Q4B (0N4BHQ)	
(5ND	130,746	*WB9TFH		*IZ8BRI		IW9GTD		*UT5EPP	1.608.65
	100,740	*WE6EZ/5		*EC7AKV		S55W		*UT7I (UT2I0)	
	14 MHz	*W6TK		*IW4EGX		IZ6TSA DJ80G		*0M7KW	
WB4MSG	132,775			*UU9JQ		Z37M		*GM1C (GM1BSG)	
	56,021	21 MHz		*LZ2JA		UW5Y		*F4GDI	
	1,976	*W1ZD/7	483.688	*EA5HJO		0F4ØR		*GM8SBH	
	***	*K3NK				0. 1011	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*EA1FA	
	7 MHz	*KB9S		21 MHz		MULTI-0	PERATOR	*GUØSUP	
V6MA/7	89,100	*N6BHX	10,695	*IW9FDD	791,040	SINGLE TRANSMIT			
WA4VMC	79,508	*N7UR	2,856	*EC7ZK	693,462	0N4WLR		28 MHz	
NFØT	3,724			*CT2IOV	447,848	ES10		*IZ8BRI	305,62
		14 MHz		*GA5M (GM4ZNC)	344,124	IQØTE	169,388	*IW4EGX	
М	ULTI-OPERATOR	*W9CF/7	1,976	*SV1BJW		Y04KAK	30,070	*IKØPEA	
	ANSMITTER HIGH POWER			*OH7MN				*IZ7FLP	
	3,097,724	7 MHz		*IZØUME	248,530	MULTI-0		*I4UUL	
IAØCW	3,096,733	*W3NR/4	48,616	*IW2HUS		TWO TRAI		*Z39A	70,51
VX4G	2,336,488	*NF8I/3	6,708	*RT4S		LX71		*0K8DD	54,55
A4YL	2,319,525	*WM9Q	3,168	*MØ0SH	208,800	S51A	10,864,828	*IZ3NVR	47,10
	1,645,650					DQ4W	9,232,425	*DF4WC	36,66
V2BJ/9	1,509,650	EUR0PE		14 MHz	770 000	YL4U RK4W		*F6IRG	19,65
λK9D/Ø	538,615		,	*IZ8EFD		LN50	5,838,408 4 147 535	04 1811.	
	443,729	SINGLE OPERATOI	1	*URØHQ *RZ1ZZ		EA1AP		*IWGEDD	704.04
	243,880	HIGH POWER All Band		*YU8NU		LITTIN	023,123	*IW9FDD *Y04RDW	
V4SAI/4	214,887		6 752 205			MULTI-0	PERATOR		
		LZ8E (LZ2BE) OM5ZW		*YT2AAA *LB2TG		MULTI-TRA	NSMITTER	*DK1IP *SM3DXC	
	ULTI-OPERATOR	UW1M		*SX2V (SV2GJV)		9A1A	20,731,977	*SV7CUD	
	ANSMITTER LOW POWER	SN7Q		*EA5FDM		HG1S		*PAØMIR	
SINGLE TRA	520,257	OH4A (OH1NOA)		*IZØFWD		DKØKC		*G3RLE	
VE5DX	479,171	OGØZ (OH9MM)		*IT9CLN		OH5CY	3,777,808	*IW2NRI	
VE5DX T4RR	000 000	EMØI (UT2IZ)			,		OH BOWES		
VE5DX T4RR VØFRC	290,832			7 MHz		ROOKIE HI		14 MHz	
VE5DX T4RR VØFRC A9L	218,370	EM2G	4,000,000				MHz	*YT2AAA	
VE5DX T4RR VØFRC A9L		EM2G OM7JG	3,562,570	*HG5D			0.550	*SMØLP0	
VE5DX T4RR VØFRC A9L 4FT	218,370	EM2G	3,562,570	*HG5D *OK2RU	910,188	9A3DZH	2,550		
VE5DX T4RR VØFRCA9L	218,370	EM2G OM7JG SZ1A (SV1CIB)	3,562,570	*HG5D *OK2RU *HA8BT	910,188 772,548	9A3DZH		*ED4T	97,27
VE5DX		EM2G	3,562,570 3,093,558	*HG5D *OK2RU *HA8BT *IKØRCY	910,188 772,548 703,136	9A3DZH 14 I	WHz	*ED4T *G8YTF (MØVAA)	97,27
VE5DXVF5DXVFRRVØFRCA9LA9L		EM2G	3,562,5703,093,5582,105,880	*HG5D *OK2RU* *HA8BT* *IKØRCY* *USØHZ*	910,188 772,548 703,136 655,802	9A3DZH	WHz	*ED4T	97,27
VE5DXT4RR VØFRC A9L 4FT VM TW VØNI		EM2G. OM7JG	3,562,570 3,093,558 2,105,880 1,651,888	*HG5D *OK2RU* *HABBT* *IKØRCY* *USØHZ* *DL5KUD	910,188 772,548 703,136 655,802 641,592	9A3DZH 14 I F4GTD	MHz 129,766	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB)	97,27
/E5DX		EM2G	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483	*HG5D *OK2RU *HABBT. *IKØRCY *USØHZ *DL5KUD *G8HBA.	910,188 772,548 703,136 655,802 641,592 631,780	9A3DZH 14 I	MHz 129,766	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB)	97,27 91,68 11,98
/E5DX		EM2G OM7JG	2,105,880 1,651,888 1,361,483 1,184,720	*HG5D *OK2RU *HA8BT *IKØRCY *USØHZ *DL5KUD *G8HBA *YU2A		9A3DZH 14 I F4GTD LOW F ALL I *IZ8VMV	MHz 129,766 POWER BAND 664,332	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU	97,27 91,68 11,95
/E5DX	218,370 53,382 IULTI-OPERATOR VO TRANSMITTER 6,760,203 6,040,412 4,389,024 2,295,746	EMZG OM7JG SZ1A (SV1CIB)	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091	*HG5D *OK2RU *HA8BT *IKØRCY *USØHZ *OL5KUD *G8HBA *YUZA *EW80F		9A3DZH	VIHz	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB)	97,27 91,68 11,95 910,18 941,59
/E5DX		EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253	*HG5D *OK2RU *HA8BT *IKØRCY *USØHZ *DL5KUD *G8HBA *YU2A		9A3DZH	VIHz	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU *DL5KUD *YUZA	97,27 91,68 11,95 910,18 641,59
/E5DX. T4RR		EMGG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378	*HG5D *OK2RU *IA88T *IKBRCY *USØHZ *OL5KUD *G8IBA *YU2A *EW80F *LZ9R		9A3DZH 14 I F4GTD LOW F ALL I *IZ8VMV	WHz	*ED4T *G8YFF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU *DL5KUD *YU2A *13PXN	
(E5DX. T4RR	218,370 53,382 UULTI-OPERATOR VO TRANSMITTER 6,760,203 6,040,412 4,389,024 2,295,746 600,480 227,970 UULTI-OPERATOR LTI-TRANSMITTER	EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378	*HG5D *OKZRU *1A8BT *IKØRCY *USØHZ *OL5KUD *G8HBA *YU2A *EW80F *LZ9R *3.5 MHz		9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OK2RU. *DL5KUD. *YU2A. *13PXN. *DF1LX.	97,21 91,68 11,98 910,18 910,18 641,58 536,30 470,23
/E5DX. T4RR		EMZG OMTJG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 679,800	*H65D. *OK2RU. *HA88T. *IK0RCY. *US0HZ. *DL5KUD. *68HBA. *YU2A. *EW80F. *LZ9R. *LX9R. *IK5AMB.		9A3DZH	MHz	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU *OK2RU *13PXN *OFILX *IYVBUU	97,2'91,6i910,1i641,5i536,3i470,2'450,5'412,8i
/E5DX. T4RR //OFRC A9L 4FT ØNI ØNO //O2N //AML //B8SKP/4 N5S M MUI R4M	218,370 53,382 UULTI-OPERATOR VO TRANSMITTER 6,760,203 6,040,412 4,389,024 2,295,746 600,480 227,970 UULTI-OPERATOR LTI-TRANSMITTER	EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 679,800	*HG5D *OK2RU *IA8BT *IKSRCY *US9HZ *OL5KUD *G8HBA *YU2A *EW80F *LZ9R *IKSAMB *YT5CT	910,188 772,548 703,136 655,802 641,592 631,780 531,392 508,690 626,516 620,308	9A3DZH	MHz	*ED4T *G8YIF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU *DL5KUD *YU2A *13PXN *DF1LX *LY2BUU *9A58 (9A6NRD)	97,27 91,68 11,95 910,18 641,59 536,30 470,23 450,5 412,86 387,88
/E5DX. T4RR //OFRC A9L 4FT ØNI ØNO //O2N //AML //B8SKP/4 N5S M MUI R4M		EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 679,800	*H650 . *OK2RU . *INKBRCY . *INKBRCY . *USØHZ . *OLSKUD . *G8HBA . *YU2A . *EW80F . *LZ9R . *IKSAMB . *YTSGT . *HA1WD .	910,188 772,548 773,136 655,802 641,592 631,780 536,300 513,922 508,690 626,516 620,308 604,788	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OKZRU. *OL5KUD. *YU2A. *I3PXN *DF1LX. *LY2BUU. *9A56 (9A6NRD).	97,27 91,68 11,95 910,18 641,59 536,30 470,23 450,51 412,89 387,88 363,31
/E5DX. T4RR	218,37053,382 IULTI-OPERATOR VO TRANSMITTER6,760,2036,040,4124,389,0242,295,746600,480227,970 IULTI-OPERATOR LTI-TRANSMITTER15,394,1765,334,410	EM/G OM/TJG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 679,800 587,388	*HG5D *OK2RU *HA8BT *IKIRCY *DL5KUD *G8HBA *YU2A *EW80F *LZ9R *IKSAMB. *YT5CT *HA1WD *S0ZNNN.	910,188 772,548 773,136 655,802 641,592 536,300 513,922 508,690 620,308 604,788 604,788 341,700	9A3DZH	MHz	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU *OL5KUD *YU2A *I3PXN *DF1LX *LY2BUU *9A5B (9A6NRD) *S54X *UTØEL	97,27 91,66 11,98 910,18 641,59 536,30 470,22 450,51 412,88 363,31 269,80
VESDX		EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 579,800 587,388	*HG5D *OK2RU *IA8BT *IKIRGCY *USOHZ *OLSKUD *G8HBA *YU2A *EW80F *IK5AMB *IK5AMB *YT5CT *HA1WD *SQ2NNN *OK2SAR	910.188 772,548 773,136 655,802 641,592 631,780 536,300 513,922 508,690 626,516 620,308 604,788 341,700 336,960	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OKZRU. *OL5KUD. *YU2A. *I3PXN *DF1LX. *LY2BUU. *9A56 (9A6NRD).	97,21 91,64 910,11 910,11 641,55 536,30 470,22 450,51 412,88 363,31 269,80
VESDX. T4RR. VOPFIC A9L A9L AFT. M TW OPN OPN OPN OPN OPN M MU R4M MU HIGH HIGH HIGH HIGH HIGH HIGH HIGH HIG	218,370 53,382 UULTI-OPERATOR VO TRANSMITTER 6,760,203 6,040,412 4,389,024 2,295,746 600,480 227,970 UULTI-OPERATOR LTI-TRANSMITTER 15,394,176 5,334,410 ROOKIE I POWER ALL BAND	EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 679,800 587,388	*H65D . *OKZRU	910,188 772,548 773,136 655,802 641,592 631,780 536,300 508,690 620,516 620,308 604,788 341,700 336,960 276,738	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OK2RU. *OL5KUD. *YU2A. *I3PXN *DF1LX. *LY2BUU. *9A56 (9A6NRD). *S54X. *UTØEL. *IV3IXN	97,21 91,64 910,11 910,11 641,55 536,30 470,22 450,51 412,88 363,31 269,80
VESDX. T4RR. VOPFIC A9L A9L AFT. M TW OPN OPN OPN OPN OPN M MU R4M MU HIGH HIGH HIGH HIGH HIGH HIGH HIGH HIG		EMZG OM7JG	3,562,570 3,093,558 2,105,880 1,651,888 1,361,483 1,361,483 1,184,720 1,105,091 1,058,253 906,378 798,126 679,800 587,388 1,873,080 1,785,595 1,511,169	*HG5D *OK2RU	910,188 772,548 772,548 773,136 655,802 641,592 631,780 536,300 536,300 508,690 626,516 620,308 604,788 341,700 336,960 276,738 208,638	9A3DZH	MHz	*ED4T	97,2' 91,6i 910,11,9i 910,
// INTERPRETABLE INTERPRETABBE INTERPRETABLE INTERPRETABBE INTERPRETABBE INTERPRETABBE INTERPRETAB		EMZG OM7JG	3,562,5703,093,5582,105,8801,651,8881,361,4831,184,7201,105,0911,058,253906,378798,126679,800587,3881,873,0801,785,5951,511,169	*H65D. *OKZRU. *HA8BT. *IKBRCY. *USØHZ. *OLSKUD. *G8HBA. *YU2A. *EW80F. *LZ9R. *IKSAMB. *YT5GT. *HA1WD. *SQ2NNN. *OK2SAR. *YT2T (OU5A). *OM3RWB (OM3ZCK).	910,188 772,548 772,548 773,136 655,802 641,592 631,780 536,300 513,922 508,690 626,516 620,308 604,788 341,700 276,738 208,639	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OK2RU *DL5KUD *YU2A *I3PXN *OF1LX *LY2BUU *S4SB (9A6NRD) *S54X *UTØEL *IV3IXN *IK5AMB *IK5AMB	97,21 91,64 11,95 910,11 641,55 536,30 470,22 440,57 412,88 363,3 241,33
// JESDX. TARR	218,370 53,382 UULTI-OPERATOR VO TRANSMITTER 6,760,203 6,040,412 4,389,024 2,295,746 600,480 227,970 UULTI-OPERATOR LTI-TRANSMITTER 15,394,176 5,334,410 ROOKIE I POWER ALL BAND 898,800	EM/G OM/T/IG	3,562,5703,093,5582,105,8801,651,8881,361,4831,184,7201,105,0911,058,253900,378798,126679,800587,3881,873,0801,785,5951,511,1691,291,7971,016,472	*HG5D. *OK2RU. *HA88T. *IKIORCY. *DL5KUD. *G8HBA. *YU2A. *EW80F. *LZ9R. *IKSAMB. *YT5CT. *HA1WD. *S0Z2NNN. *OK2SAR *YT2T (OUSA). *OM3RWB (OM3ZCK). *MONKR.	910,188 772,548 773,136 555,802 641,592 631,780 536,300 513,922 508,690 620,308 604,788 604,788 204,780 336,960 276,738 208,638 194,166	9A3DZH	MHz	*ED4T *G8YTF (MØVAA) *IY7M (IZ7XNB) 7 MHz *OK2RU *OK2RU *IDL6KUD *YU2A *I3PXN *DF1LX *LY2BUU *3A5E (9A6NRD) *S54X *UTØEL *IV3IXN 3.5 MHz *IK5AMB *S02NNN	97,2; 91,6; 11,9; 910,1; 641,5; 536,3; 470,2; 450,5; 412,8; 363,3; 269,8; 241,3;
VESDX. TARR. VOFRC. ASL. VOFRC. MT. WOVI VOVI VOVI VOVI VOVI VOVI VOVI VOVI		EMZG OM7JG		*H65D. *OKZRU. *HA8BT. *IKBRCY. *USØHZ. *OLSKUD. *G8HBA. *YU2A. *EW80F. *LZ9R. *IKSAMB. *YT5GT. *HA1WD. *SQ2NNN. *OK2SAR. *YT2T (OU5A). *OM3RWB (OM3ZCK).	910,188 772,548 773,136 555,802 641,592 631,780 536,300 513,922 508,690 620,308 604,788 604,788 204,780 336,960 276,738 208,638 194,166	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB). 7 MHz *OK2RU *D15KUD *YU2A *I3PXN *DF1LX *LY2BUU *9A5B (9A6NRD) *S54X *UT0EL *IV3IXN *IK5AMB *SQ2NNN *YT2T (OU5A)	97,27 91,66 910,18 910,18 641,55 536,30 470,22 450,57 42,88 387,88 387,88 241,33 626,51 341,77 341,77
VESDX. T4RR. VØFRC. A9L. 4FT. M T7. VØFNC. 9ND. VØ2N. VØ2N. VØ2N. VØ2N. VØ2N. M MUI R4M. 4VV. HIGH K4EIR. LOW KK4HEG. K5MKG.		EMZG OM7JG		*H65D. *OKZRU. *HA8BT. *IKBRCY. *USØHZ. *DL5KUD. *68HBA. *YU2A. *EW80F. *LZ9R. *IK5AMB. *YT5CT. *HA1WD. *SQ2NNN. *OK2SAR. *YT2T (OU5A). *OM3RWB (OM3ZCK). *MØMKR. *UT5KO. *G4FJK.	910,188 772,548 773,136 555,802 641,592 631,780 536,300 513,922 508,690 620,308 604,788 604,788 204,780 336,960 276,738 208,638 194,166	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OK2RU. *OL5KUD. *YU2A. *I3PXN *OPTILX. *LY2BUU. *39A56 (9A6NRD). *S54X. *UTØEL *IV3IXN *IKSAMB. *SQ2NNN. *YTZT (OUSA). *HA5NB	97,27 91,66 11,95 910,18 641,55 536,33 470,22 450,51 412,86 363,31 363,31 269,80 241,33 626,51 341,77 341,77 373,77
KESDX. TARR. APT. MTW. ØNI. WSXD. WSXD. WSXD. WSXD. WSXD. WSXD. MWUIRBSSKP/4 N4SS. MHIGH K4EIR LOW KK4HEG KSMK/G KSMK/G MEAT/DW.		EMZG OM7JG	3,562,5703,093,5582,105,8801,651,8881,361,4831,184,7201,105,0911,058,253906,378798,126679,800587,3881,785,5951,785,5951,511,1691,291,797798,3691,216,472798,369712,874	*H65D . *OKZRU . *HA8BT . *IKORCY . *USØHZ . *OLSKUD . *G8HBA . *YUZA . *EW80F . *IZ9R . *IKSAMB . *YT5CT . *HA1WD . *S0ZNNN . *OKZSAR . *YT7T (OUSA) . *OMSRW8 (OM3ZCK) . *MØNKR . *UTSKO . *G4FJK .	910,188 772,548 773,136 555,802 641,592 631,780 536,300 513,922 508,690 620,308 604,788 604,788 204,780 336,960 276,738 208,638 194,166	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB). 7 MHz *OK2RU *D15KUD *YU2A *I3PXN *DF1LX *LY2BUU *9A5B (9A6NRD) *S54X *UT0EL *IV3IXN *IK5AMB *SQ2NNN *YT2T (OU5A)	97,27 91,66 11,95 910,18 641,55 536,33 470,22 450,51 412,86 363,31 363,31 269,80 241,33 626,51 341,77 341,77 373,77
VESDX. TARR. VOFRC. ASL. VOFRC		EMZG OM7JG		*H65D. *OKZRU. *INKRCY. *IKKRCY. *USØHZ. *OLSKUD. *G8HBA. *YU2A. *EW80F. *LZ9R. *IKSAMB. *YT5CT. *HA1WD. *SQ2NNN. *OKZSAR. *YT2T (OUSA). *OM3RWB (OM3CCK). *MONKR. *UT5KO. *G4FJK. *GRP ALL BAND	910,188 772,548 772,548 773,136 655,802 641,592 631,780 536,300 513,922 508,690 626,516 620,308 604,788 341,700 276,738 208,638 194,166 193,428 158,688	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OKZRU *DL5KUD *YU2A *I3PXN *OPTILX *LY2BUU *SA5AB (9A6NRD) *SS4X *UTØEL *IV3IXN *IK5AMB *SQ2NNN *YTZT (0U5A) *HA5NB *IT9JDH	97,27 91,68 11,95 910,18 641,55 536,63 470,22 450,51 412,89 363,31 269,80 241,33 626,51 341,77 3
VESDX. TTARR VØFRC AS91. AFT. M TW IØNI IØNI IØNO IØNO IØNO INFO IFF IFF IFF IFF IFF IFF		EMZG OM7JG		*H65D. *OK2RU. *HA8BT. *IKIORCY. *DL5KUD. *G8HBA. *YU2A. *EW80F. *LZ9R. *IKSAMB. *YT5CT. *HA1WD. *SQ2NNN. *OK2SAR. *YT2T (OU5A). *OM3RWB (OM3ZCK). *MØNKR. *UTSKO. *G4FJK. *QRP ALL BAND *TM3T (F5VBT).	910,188 772,548 772,548 773,136 655,802 641,592 631,780 536,300 513,922 508,690 620,308 604,788 604,788 208,638 194,166 158,688	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OK2RU. *OL5KUD. *YU2A. *I3PXN *OPTILX. *LY2BUU. *39A56 (9A6NRD). *S54X. *UTØEL *IV3IXN *IKSAMB. *SQ2NNN. *YTZT (OUSA). *HA5NB	97,27 91,68 910,18 941,95 910,18 641,59 536,03 470,23 450,51 412,89 363,31 269,80 241,33 626,51 341,70
VESDX. TARR VØFRC ASI M TW. IØNI 99XD 99XD VO22N V4MI VB8SKP/4 NSS MMUI IR4M LOW KK4HEG KK4HEG KK4HEG KK4HEG WASTM W4SDJ W4SDJ W4SDJ W4SDJ		EMZG OM7JG		*H65D. *OKZRU. *INKORCY. *UKORCY. *ULSOHZ. *OLSKUD. *G8HBA. *YUZA. *EWBOF. *LZ9R. *IKSAMB. *YTSGT. *HA1WD. *SQZNNN. *OKZSAR. *YTZT (OUSA). *OMSRWB (OM3ZCK) *MONKR. *UTSKO. *G4FJK. *GRP ALL BAND *TM3T (F5VBT).	910,188 772,548 772,548 773,136 655,802 641,592 631,780 536,300 536,300 620,308 604,788 604,788 206,638 194,166 193,428 158,688	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OKZRU *DL5KUD *YU2A *I3PXN *OPTILX *LY2BUU *SA5AB (9A6NRD) *SS4X *UTØEL *IV3IXN *IK5AMB *SQ2NNN *YTZT (0U5A) *HA5NB *IT9JDH	97,27 91,68 11,95 910,18 641,55 536,63 470,22 450,51 412,89 363,31 269,80 241,33 626,51 341,77 3
VESDX. TARR VØFRC ASI. 4FT. M TW 1ØNI 1ØNI 19NI VOEN VOEN WHISH KALEIR LOW KK4HEG KSMXG KFMXG		EMZG OM7JG		*H65D. *OK2RU. *HA8BT. *IKIORCY. *DL5KUD. *G8HBA. *YU2A. *EW80F. *LZ9R. *IKSAMB. *YT5CT. *HA1WD. *SQ2NNN. *OK2SAR. *YT2T (OU5A). *OM3RWB (OM3ZCK). *MØNKR. *UTSKO. *G4FJK. *QRP ALL BAND *TM3T (F5VBT).	910,188 772,548 772,548 773,136 555,802 641,592 631,780 513,922 508,690 620,308 604,788 604,788 208,638 194,166 276,738 208,638 194,166 158,688	9A3DZH	MHz	*ED4T. *G8YTF (MØVAA) *IY7M (IZ7XNB) *OKZRU *DL5KUD *YU2A *I3PXN *OPTILX *LY2BUU *SA5AB (9A6NRD) *SS4X *UTØEL *IV3IXN *IK5AMB *SQ2NNN *YTZT (0U5A) *HA5NB *IT9JDH	97, 27 91, 68 11, 95 910, 18 641, 59 556, 30 470, 23 470, 23 412, 89 387, 89 387, 89 269, 80 241, 33 626, 51 341, 70 276, 73 173, 71 173, 71

Radio Club took second in the world to win the North America plaque, with more than twice the score of NA second-place Frankford Radio Club. With only 15 logs to PVRC's 49, the FRC had a 50% higher average score per log. It is often the case that participation—i.e., number of submitted logs—will win a club competition.

Closing

My first RTTY contest ever, nice new experience **E77C**

Nice to take part in WPX RTTY for the 1st time . . . **F4DSK**

I got my License on November 2013 and CQ WPX RTTY 2014 is my first contest . . . YD2SM

Most contacts I've ever had in a contest! . . . W3ZKU

I love this contest!! Wonderful propagation on high band. See you next year . . . IZ1MHY

Great contest. Had a lot of fun with it. Can't wait until next year! . . . **ND3R**

It was super fun and I am waiting for the next one . . . **EA3FF**

The complete results score listing of all received logs is on the web at http://www.cq-amateur-radio.com/cq_contest/.

In addition, a searchable database of the results from every CQ WPX RTTY Contest is available at http://www.cgwpxrtty.com/score db.htm>.

It is surprising that more participants do not request their Log Check Reports (LCRs) and use them for ideas to improve their operating accuracy. Typically, less than a dozen of the roughly 3,000 people who submit logs request their LCR after log checking is complete. This valuable information is readily obtainable by email from <w0yk@cqwpxrtty.com>. You can compare your log check statistics with the averages across all logs in this contest:

- 1.3% incorrect received call sign
- 1.9% incorrect serial number received
- 1.3% NIL (Not In Log)
- 4.5% total error rate (with penalties, score reduction is higher)

Achieving a zero error rate may mean that too much time is being spent on accuracy. Speed and accuracy are a trade-off for optimal communication.

A number volunteers work tirelessly in the background to bring contests to us and to compile the results. For this contest, Mark K6UFO helped to fix log-formatting problems prior to final log checking, including entering paper logs into the computer system. Ken K1EA and Randy K5ZD continue to improve and support the log-checking and website software. K5TR and N5KO quietly manage the IT infrastructure behind the log submittal robots, log storage, and log checking software. The WWROF (World Wide Radio Operators Foundation) provides financial support for the IT services required,

among other support for contesting in general. All of us can help with our donations to WWROF, so please consider this way to give back to the radiosport. Gail, K2RED, Managing Editor of *CQ* magazine, does a wonderful job of assembling these contest articles. Barry W5GN performs the huge task of getting certificates out. Ray ND8L manages the plaque program, which is another opportunity for us to give back by becoming a plaque donor. He replaces Mike K4GMH, who expertly

handled plaques for both CQ RTTY and WPX RTTY contests for nearly a decade. You can choose an unsponsored plaque in any category. Please contact ND8L for details. The plaques winners for the 2014 contest will be on the both the CQ website and the CQ WPX RTTY website (http://www.cqwpxrtty.com).

The 21st CQ WPX RTTY Contest will be held on 7–8 February 2015. We hope to see everyone again, including new participants! See you then! 73, Ed, WØYK



John NK3P



John K3STL prepares another great feast for the K3MJW MS crew.

The Multi-SingleTeam K3MJW (K3RWN, NK3P, WC3O, K3STL, KB3EYY, WA3KFS, K3FH, K3RMB) won North America.

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