

Bodo, DL3OCH, used this impressive curtain array of 16 dipoles as 5NØOCH during the contest. This antenna will be used for commercial broadcasting once it is put into service.

he 51st running of the WPX CW Contest on May 30–31, 2009 fell on a rare fifth weekend in the month of May. This moved the contest away from its usual conflict with bank holidays in Europe and the Memorial Day holiday in the United States, enabling many contesters to participate without having to share their time with holiday or family activities. The result was a record number 3,649 log submissions and 44 new World or Continent records!

Big scores result from big multipliers. The multi-operator team at UU7J surpassed all others with 1311 prefixes (just two short of the all-time record set by DR1A last year). They were followed by WE3C (1274) and NR4M (1267). Among the single operators, the top prefix hunters were CU2X with 1066 and VY2TT with 1054. There were 60 entries with 1000 or more prefix multipliers—almost double last year!

Conditions were much better than for the WPX SSB contest. Some participants reported conditions as only being fair, while others raved about excellent over-the-pole openings. UP2L worked 940 North America stations on 20 meters, a direct polar path from Kazakhstan. Sporadic-*E* provided excitement on both 10 and 15 meters, with double- and triple-hop contacts providing score-boosting DX contacts. KD4D reported 21 contacts with Europe on 10 meters. The low bands experienced QRN in both Europe and North America. Top band winner LY2IJ was only able to work 15 stations outside Europe.

Many competitors find it helpful to set a goal for their operation. KH7XS had high expectations with his goal to "break the old Oceanic record set near the top of the last solar cycle." He did it by a comfortable margin. N1LN

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defined his effort from NC4KW very clearly: "Goal 1 was to make 1M points. Goal 2 was to log 1000 Qs." Mission accomplished. NG7Z's goals were more modest: "Break 200 Q's and get at least one contact on every band." He did it in less than five hours of operating time. Regardless of goals or expectations, WO1N is probably not the only one to feel "...a bit of contester's remorse. When it was over I was bummed I didn't spend more time..."

Not everyone in the contest was measuring their success by the numbers. For KE1HA, "This was my first CW contest ever." The multi-op team at NM7D reported: "We all had fun and learned a lot in our first try at this operation." KL8DX summed it up this way: "Limited time but unlimited fun."

## Single Operator, All Bands

The Single Operator High Power category pitted two experienced contesters in locations with access to Europe on all bands. Valery, RD3AF, operated EF8M to a new World record score, narrowly taking the victory over Hrane, YT1AD, operating as 3V9A. Slightly more contacts on 40 meters made the difference. Hrane did earn the trophy for top combined score from both modes.

The surprise performance of the weekend was the third-place finish of Ken, K6LA, operating from VY2TT. Making the world top three from Canada is a rare accomplishment. Ken also broke the North American record set way back in 1999! In fourth place, with a new Asia record, was Andy, UUØJM, operating from 4LØA. Toni, OH2UA, made another trip to the Azores to set a new European record and sixth place overall.

In the USA, Alex, LZ4AX, piloted the KC3R station to ninth place in the world and a new

USA record. Randy, K5ZD, at AK1W and Dick, WC1M, were close behind, with logging accuracy determining the order of finish between them. Bud, AA3B, and Kamal, N3KS (operating WM3T), rounded out the USA top five. Kamal's score, plus his victory on SSB, earned him the trophy for top USA combined score.

On the European continent, Serge, RA3CW, operated RS3A to a nice finish, while Tine, S5ØA, finished a comfortable third. The next seven places in the European Top Ten were all grouped within 10 percent of each other. Andy, DL3YM, moved to the top of the group by having a very accurate log. RM3F (Andy, UA3DPX) ended up just a few points ahead of another Russian special call RG6G (Alexey, RW6HX).

# Single-Operator All-Band Low Power

The Single Operator Low Power category offered an interesting mix of expeditions and home stations. Yuri, VE3DZ, visited Bermuda to take the top spot after finishing second in 2008. Yasar, TA3D, used the special call YM3D to take second. Eric, K9GY, went back to Nicaragua, this time with the call YN2GY, and worked around thunderstorms that impacted his operating plans.

Ed, N1UR, operated as NV1N to take fourth in the world and his third USA victory in four years. Maury, W3EF, took his first try at the WPX contest. Family obligations prevented Maury from operating the full 36 hours, but he still finished second in the USA. Will, WJ9B/4, moved down a spot from last year to take third. John, K9QVB, did a great job from Illinois to finish fifth. Peter, K2PS, finished sixth in his last contest before moving to a new location.

The race for top low power score in Europe was among three stations. Gedas, LY9A, had

#### TROPHY WINNERS AND DONORS

#### SINGLE OPERATOR ALL BAND

WORLD: Steve Bolia, N8BJQ Trophy. Won by: EF8M operated by Valery Komarov, RD3AF WORLD Low Power: Caribbean Contesting Consortium Trophy. Won by: VE3DZ/VP9 operated by Yuri Onipko, VE3DZ WORLD QRP: Bill Parker, W8QZA Trophy. Won by: Dragan Djordjevic, 404A

USA: Dennis Motschenbacher, K7BV Trophy. Won by: KC3R operated by Alexander Avramov, LZ4AX
USA Low Power: Ken Boasi, N2ZN Trophy. Won by: NV1N operated by Edward Sawyer, N1UR
USA QRP: John T. Laney, K4BAI Trophy. Won by: Gary Hembree, N7IR
USA Zone 4 High Power: Society of Midwest Contesters Trophy. Won by: KT5J operated by Steve London, N2IC

USA Zone 4 Low Power: Society of Midwest Contesters Trophy. Won by: John F. Meyer, K9QVB
USA Zone 3 High Power: Northern California Contest Club Trophy. Won by: NY6N operated by Daniel M. Craig, N6MJ
USA Zone 3 Low Power: Arizona Outlaws Contest Club Trophy. Won by: WV7Q operated by

Michael Dinkelman, N7WA

EUROPE High Power: Ivo Pezer, 5B4ADA/9A3A Trophy. Won by: CU2X operated by Toni Lindén, OH2UA EUROPE Low Power: Vitor Santos, PY2NY Trophy. Won by: Gediminas Lucinskas, LY9A EUROPE QRP: Julius Fazekas, N2WN Trophy. Awarded to: Antonin Bechyna, OK7CM

AFRICA: Chris Terkla, N1XS Trophy. Won by: **3V9A operated by Hranislav Milosevic, YT1AD ASIA:** Rick Tavan, N6XI Trophy. Won by: **4LØA operated by Andy Kazantsev, UUØJM NORTH AMERICA:** Louisiana Contest Club Trophy. Won by: **8P5A operated by Tom Georgens, W2SC** 

NORTH AMERICA QRP: Dale Martin, KG5U Trophy. Won by: Doug Ferris, VA3DF

OCEANIA: Lloyd Cabral, KH6LC Trophy. Won by: Bill Kollenbaum, KH7XS SOUTH AMERICA: David Kopacz, KY1V Trophy. Won by: PJ2T operated by Jim Fitzpatrick, WI9WI

SOUTHERN CONE (CE,CX,LU): Tom Morton, K6CT Trophy. Won by: Daniel Neves, CX9AU

CANADA High Power: Radio Amateurs of Canada (RAC) Trophy. Won by: VY2TT operated by Ken Widelitz, K6LA CANADA Low Power: Contest Club Ontario Trophy. Won by: Alexey Yushin, VE2XAA JAPAN: Simone Candotto, IV3NVN Trophy. Won by: Masaki Okano, JH4UYB

#### SINGLE OPERATOR, SINGLE BAND

WORLD 28 MHz: Steve Hodgson, ZC4LI Trophy. Won by: UP6P operated by Yuri Loparev, UN6P

WORLD 21 MHz: Andrei Stchislenok, NP3D Memorial (W3UA/RA3AA sponsor) Trophy. Won by: ZX5J operated

by Carl Cook, Al6V WORLD 14 MHz: Gene Walsh, N2AA Trophy. Won by: UP2L operated by Vladimir Umanets, UASBA

WORLD 7 MHz: 6910 Contest Station Trophy. Won by: UP2L operated by Vadimir Onlinets, 0A9BA
WORLD 7 MHz: 6911V Contest Station Trophy. Won by: YW4D operated by Paolo Stradiotto, YV1DIG
WORLD 7 MHz Low Power: Neal Campbell, K3NC Trophy. Won by: 9A7T operated by Zlatko Maticic, 9A2EU
WORLD 3.5 MHz: Ranko Boca, 4O3A Trophy. Won by: 9A1CCY operated by Sasa Pokorni, 9A3NM
WORLD 1.8 MHz: Dusko Dumanovic, ZL3WW Trophy. Won by: Arunas Vaglys, LY2IJ
USA 28 MHz: Paul Beringer, NG7Z Trophy. Won by: WN1GIV/4 operated by Bob Patten, N4BP

USA 21 MHz: Charlie Wooten, NF4A Trophy. Won by: Eric Silverthorn, NM5M USA 14 MHz: Kansas City DX Club Trophy. Won by: Robert L. Shohet, KQ2M/1 USA 7 MHz: Darin Divinia, WG5J Trophy. Won by: Mike Tessmer, K9NW

USA 3.5 MHz: Wes Printz, W3SE/ZL3TE Trophy. Won by: Steven Sussman, W3BGN

EUROPE 28 MHz High Power: SKY Contest Club Trophy. Won by: UW1M operated by Victor Yarovoj, UR5MW EUROPE 21 MHz High Power: SKY Contest Club Trophy. Won by: Milan Milovanovic, YTØZ EUROPE 14 MHz High Power: SKY Contest Club Trophy. Won by: IU9T operated by Fabio Grisafi, IT9GSF

EUROPE 7 MHz High Power: SKY Contest Club Trophy. Won by: CT1JLZ operated by Jiri Pesta, OK1RF

EUROPE 3.5 MHz High Power: SKY Contest Club Trophy. Awarded to: RW2F operated by Dmitri Gorshkov, UA2FB EUROPE 1.8 MHz High Power: SKY Contest Club Trophy. Awarded to: OL1A operated by Vladimir SladeK, OK1CW

# SINGLE OPERATOR ASSISTED

WORLD: D4C Station Trophy. Won by: CN3A operated by Stefano Brioschi, IK2QEI USA: Ron Sigismonti, N3RS Trophy. Won by: WK1Q operated by Michael Keane, K1MK EUROPE: Martin Huml, OL5Y Trophy. Won by: IR4X operated by Matteo Marzilli, IZ3EYZ

### **OVERLAY CATEGORIES**

WORLD Tribander/Single Element: Helmut Mueller, DF7ZS Trophy. Won by: VC2A operated by Lali Laki, VE3NE USA Tribander/ Single Element: Paul Newberry, N4PN Trophy. Won by: KR4Z operated by Paul Newberry, N4PN EUROPE Tribander/ Single Element: WPX Contest Committee Trophy. Won by: Matija Brodnik, S53MM WORLD Rookie: Val Edwards W8KIC Memorial (K3LR sponsor) Trophy. Won by: Sergej Volkov, RN3DBA NORTH AMERICA Rookie: Val Edwards W8KIC Memorial (K3LR sponsor) Trophy. Won by: David Davison, AF6EV

### MULTI-OPERATOR, SINGLE-TRANSMITTER

WORLD: Steve Miller, NØSM Trophy. Won by: CS9L operated by DL5AXX, DL8WAA, SV1RP USA: Phil Allardice, KT3Y Trophy. Won by: K1LZ operated by K1LZ, K1VR, K1ZM, W1UE, K3JO ASIA: W2MIG Memorial (NX7TT Sponsor) Trophy. Won by: C4N operated by 5B4AGM, 5B8AD, UA9CDV EUROPE: Andy Ruse, YO3JR/YR1A Trophy. Won by: RU1A operated by RW1AC, RA1AIP, RA1AR, UA1CUR, UA9MQR, RU4HP, UA1AKC

NORTH AMERICA: Jim George, N3BB Trophy. Won by: HQ2R operated by UA3AGW, HR2J

#### MULTI-OPERATOR, TWO-TRANSMITTER

WORLD: UA1DZ Memorial (W3UA Sponsor) Trophy. Won by: OLØW operated by OK1WMV, OK1VWK, OK1DSZ, OK1HRA

USA: Florida Contest Group Trophy. Won by: KD4D/3 operated by N6CY, N8II, K3MM, K3RA, K3WI, NA3D, KD4D EUROPE: Tom Georgens, W2SC Trophy. Awarded to: 9A8ØØVZ operated by 9A3TR, 9A3OS, 9A5X, 9A7V

#### MULTI-OPERATOR, MULTI-TRANSMITTER

WORLD: Steve Merchant, K6AW Trophy. Won by: WE3C operated by K3CT, K3TEJ, K3TUF, N3RD, NN3Q, W3FV,

USA: Jim Reisert, AD1C Trophy. Awarded to: NR4M operated by K1SE, K4EC, K4EU, K4GM, K4GMH, K4IA, K4ZW, K7SV, KC4D, N2YO, N4NW, NR4M, W3YY, WA4JUK

EUROPE: David Robbins, K1TTT Trophy. Won by: UU7J operated by UU6JJ, UT3UA, UT5UGR, UU4JMG, UUØJX, UU1AZ

#### **CONTEST EXPEDITION**

WORLD: Phil Goetz N6ZZ Memorial Trophy. Won by: YN2GY operated by Eric Hall, K9GY

#### COMBINED SSB/CW

WORLD Single Operator: Yuri Blanarovich, K3BU Trophy. Won by: Hranislav Milosevic, YT1AD USA Single Operator: Bill Fisher W4AN Memorial (KM3T Sponsor). Won by: Kamal Sirageldin, N3KS WORLD Club Score: CQ Magazine trophy. Won by: Bavarian Contest Club



Dave, K5GN, hands out multipliers from the A73A multi-single in Qatar.



Bob, KQ2M, is USA winner and new record holder for single band 20 meters.

a very accurate log to finish first in Europe and fifth overall. Pert, OK2WTM, operated as OL6P to finish eight overall and second in Europe. GJ3WW was the third European in the world Top Ten. Long-time WPX contester Franci, S51F, easily took fourth. EU2MM and UT7NW finished just 10k apart for the next two spots.

#### Single Operator, Single Band

UP2L, operated by Willy, UA9BA, had the top single band score in the world. Willy set a new world record not only for 20 meters, but for all single band entries. Vaho, 4L8A, finished a strong second, but was unable to defend his 20-meter record. Jovica, 6W1SJ, survived some equipment damage the day before the contest to finish third and set a new African record. Bob. KQ2M/1, matched his USA victory and record-setting effort on SSB with one on ĆW. Fabio, IT9GSF, used the special call IU9T to take the top 20 meter score for Europe.

Competition was fierce on 40 meters with both of the top finishers having a world record as their goal. When it was all done, the winner was Paul, YV1DIG, operating as YW4D from the station of YV5AMH. Paul overcame amplifier problems the first night. Perennial 40-meter champion ZM3A (Dule, ZL3WW) broke his own Oceania record on the way to second place. Dule had to operate the first 6 hours using low power until he was able to get a power generator, but it was low activity on the second day that hurt his score the most. Jiri, OK1RF, operated from CT1JLZ to finish a close third. Bernd, VK2IA, visited the Northern Corridor Radio Group in Perth (VK6AA) and enjoyed their new three-element Yagi on his way to a sixth place finish.

Eighty meters was dominated by Europeans. Sasa, 9A3NM, celebrated the 35th year

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of club station 9A1CCY with the top 80-meter score. RW2F, operated by Dmitri, UA2FB, was unable to match his victory on SSB but finished second. Milan, OK2BYW, finished a close third. The only non-European score in the Top Ten was by Mike, KH6ND, who finished ninth while setting a new Oceania record. This is an impressive score from such an isolated location. In the USA competition, Steve, W3BGN, won for the forth year in a row. Chuck, KØRF, put up a nice score from out west in Colorado to finish second.

The 160-meter competition was among Arunas, LY2IJ, Vladimir OK1CW at OL1A, and Bela, HA8BE. Paul, K8PO/1, was the only score outside of Europe in the Top Ten.

With sporadic-*E* providing propagation, we don't need sunspots to have fun on 10 meters. Yuri, UN6P, took advantage of band openings to Europe to put UP6P in the top spot. Second place UW1M (op Victor, UR5MW) made 170 more contacts than Yuri, but most were with 1-point Europeans. Third and fourth place was a close race between Meho, E73O, and Mersudin, E73C, who finished only 50k points apart. Bob, N4BP, used the call WN1GIV/4 to finish sixth overall and first in the USA.

Carl, Al6V, returned to Brazil to pilot ZX5J to his second victory in a row on 15 meters. The next three places were incredibly close with only 70k points between them. Raimundo, PT7CG, grabbed second place over Joe, W5ASP, who operated from ZF1A. Jesus, LU5FC, used the special call AY5F to finish fourth. The top European score was Milan, YTØZ, who finished fifth, just ahead of Laszlo, HA3NU at HG3R. Seventh went to the top USA score of Eric, NM5M, operating from the NR5M superstation.

The top low power single band score was also on 20 meters. Miro, YU2A, took the victory over Aleksey, RV9JR, and Brian, 5B4AIZ at C4Z. Top USA score on 20 meters was by Carol, N2MM. The second highest Low Power single band score was on 40 meters by Zlatko, 9A2EU, operating as 9A7T. His competition was from Anatoly, ER3DX. The top USA 40-meter score was by Richard, W2EG.

The lower bands had some exciting races. On 80 meters Zeljko, E77C, finished only 4k points ahead of OL4W (operator Milan, OK1IF). On 160 meters it was Szabo, HA8IB, finishing ahead of Ozer, TA2RC. YT4A and E79Z were less than 2k points behind in third and fourth!

The higher bands are always a bit easier and more popular for the low power ops. On 10 meters, Matija, 9A3VM, had the high score over Victor, US5XD, and Neacsu, YO8AXP (operating YR8A). In the USA, only 800 points separated winner NA4W (Courtney, K4WI) from Julius, N2WN! Scores were higher on 15 meters, with Franceso, YV1FM, getting the category win over Valery, UA9FGJ. YR8B (Mancas, YO8DOH), had the top European score. Andy, WB4TDH, was the high USA scorer on 15 meters.

#### **QRP**

The single operator all band QRP competition was extremely close. The winner, Dragan, 4O4A, made this comment: "This was my first WW QRP contest. I accidentally discovered QRP two weeks ago... I felt like a kid, and every QSO was like a gift." Just 11k points behind in second was experienced QRP op Antonin, OK7CM. Ludek, OK2ZC, operating as OK3C, finished third.

In the USA, it was a race between two veteran QRP contesters. Gary, N7IR, was happy with his victory: "A combination of good propagation on 20 and 40 plus a new off-time strategy made this the highest score for me since 2002 and a fourth place personal best all-time in this contest." Phil, NØKE, used the call NAØCW for his second-place finish. He lost time to thunderstorms and only operated 29 hours. Dave, WA8WV, beat Tim, KT8K, for third place.

# Single-Operator Assisted

The top Assisted all band score was from Stefano, IK2QEI, operating as CN3A. This was a new all-time record for the category. Matteo, IZ3EYZ, operated from IR4X to take second and set a new European record. Yuri, UA9AM, activated the call RG9A to finish third.

The Assisted single band record book was almost completely rewritten this year. Luciano, PY8AZT, won 20 meters from ZY7C and set a new world record. Second-place RZ9HT set a new record for Asia. Ivan, YU1LA, set a new record on 40 meters. S56X did the same on 80 meters. S57M set a new record on 160 meters.

In other parts of the world, John, ZL1BYZ, set a new all band record for Oceania. Gary, ZL2IFB, established the Oceania record for 10 meters. Ramon, LU5HM, operated as LP1H to set a new South American record for all bands.

There were 645 entries in the Single-Operator Assisted categories, an increase of 50% over last year. It is interesting to note that none of the Assisted category winners had a higher score than the single operator for the same category. The large number of multipliers and emphasis on QSO points seems to limit the advantage of using the DX spotting networks. A survey of over 4000 WPX Contest participants conducted in August 2009 revealed that 40% feel the categories should be combined, while 46% are against this. No rule changes are currently planned.

# **Overlay Categories**

The Tribander/Single-Element (TB/SE) category provides a separate competition for stations using only a tribander for 10-15-20 meters and single elements for the other bands. Lali, VE3NE, drove 17 hours north to Zone 2 and operated as VC2A using a tribander and vertical antennas to win the TB/SE category and place seventh in the world overall. Pertti, OH2PM, operated TC4X from Turkey using a two-element tribander and wire antennas from the roof of a building to finish a close second (and tenth overall). Both of these scores prove that you don't need giant antennas to do wellif you can put them in the right place. UP4L and S53MM were only 10k points apart for third and fourth place.

On low power, VE3DZ/VP9 dominated the TB/SE competition by a wide margin. Second pace went to Dez, G3WW, who took advantage of a family vacation to operate from Jersey as GJ3WW. Yuri, UA9SP, activated the special call RT9S to take third.

The Rookie category is for operators who have been licensed less than three years at the time of the contest. There were 40 entrants, up slightly from last year. The Rookie category winner was 13-year old Sergej, RN3DBA, who moved up from his third-place finish last year. Second place with a very nice score was Igor, EW1IP. Third place finisher David, AF6EV, shows the right spirit with his comments: "I set

			WORLD TOP	SCORES	5		
SINGLE OPERATOR – HIGH POW	R *GJ3WW	2,837,742	HK1AA	44,802	*ON4CAS1,10		69,068
ALL BAND			JH7RTQ		*LZ9R (LZ3YY)1,09	4,501 *EA5GS	28,560
EF8M (RD3AF)			SP4JFR		20 MU-		21 MHz
3V9A (YT1AD)17,115,; VY2TT (K6LA)12,878,;			JR1NKN	17,480	<b>28 MHz</b> *UR5L013	8 381 *731MM	248,159
4LØA (UUØJM)12,560,			14 MHz		*DH8BQA10		146,382
8P5A (W2SC)10,809,	00 *UA9QM		IØUZF		*RZ9CJ6		JR2SCJ)141,484
CU2X (OH2UA)10,208,			LZ1VB		*SP5X04		
VC2A (VE3NE)			RW9SZ LZ1MG		*RA6YDX3		<b>14 MHz</b> IAIZ)1,734,560
KC3R (LZ4AX)9,597,			A07AAW		21 MHz		1,060,565
TC4X (OH2PM)9,500,			7.077444	201,000	*UA9CAX13		/4982,311
	*UA9AB		7 MHz		*SP3GXH9		
28 MHz			YP6C		*UR2VA5		7 MHz
UP6P (UN6P)569, UW1M (UR5MW)481,			DL1DQY F5UL		*BY2UDL (BG2RJE)1 *PU9OSB1		1,353,690
E730446,			RAØAY		PU9U3B		578,124 TØFT)554,496
E73C395,			HAØGK		14 MHz	01121 (0	1011/
AO3T (EA3AKY)388,	76 *EW6AF	278,641			*YQ5Q (Y050H0)1,47	9,492	3.5 MHz
WN1GIV/4 (N4BP)296,			3.5 MHz		*UA9TT1,09		266,630
OH1RX			OK1FKD		*LU7KAT67		259,974
UP1G (UN7QX)134,			9A9L OK1WF		*US4LGW66 *YT5CWW38		47,343
4XØA (4X1VF)115,			SM50UU			0,7 12	1.8 MHz
	*LZ2JA	225,592	VE3SQZ	11,904	7 MHz		119,892
21 MHz	74		4.0.500		*4L6QC2,91		DOOKIE
ZX5J (Al6V)2,500, PT7CG1,998,			1.8 MHz ES1CW	24 405	*YU6DX2,46 *HG8K1,50		ROOKIE ALL BAND
ZF1A (W5ASP)			SP4GL		*PA4AO1,50		1.415.116
AY5F (LU5FC)			VE3MGY		*LY2KZ94		
YTØZ1,392,	52 *HG4F	1,661,497				*AF6EV	294,126
HG3R (HA3NU)1,325,			SINGLE OPERATOR		3.5 MHz		262,725
NM5M			HIGH POWI		*SQ1DWR29 *UX6VA6		194,184
YU1KX944,i			ALL BANE CN3A (IK2QEI)		*UR5IHQ6		LBG)116,164 //102,124
PY2MTV933,			IR4X (IZ3EYZ)		*UR8IDX4		74,782
	*JG2KKG		RG9A (UA9AM)		*RA4H02		62,726
14 MHz			UPØL (UN9LW)				
UP2L (UA9BA)			LZ8E (LZ2BE)		TRIBANDER/SINGLE ELEMEI		28 MHz
4L8A6,908, 6W1SJ (E78A)6,755,			E73M DL3TD		HIGH POWER ALL BAND	UU4JC	19,982
KQ2M/15,348,			LP1H (LU5HM)		VC2A (VE3NE)9,80	1 372	21 MHz
ZC4LI4,907,			LY80		TC4X (OH2PM)9,50		9,882
IU9T (IT9GSF)4,405,4	44 *UU2CW	1,208,232	G1A (MØDXR)		UP4L (UN7LZ)6,18	0,760	
9A9A3,950,					S53MM6,17		14 MHz
S5ØK3,407, YT9A3,313,			28 MHz S57AW	402 E24	HG8R (HA8JV)5,79 9A5K4,82		501,786
WØUA3,139,			9A2U (9A3ZA)		HQ2R4,82		04,070
100/	*SP60JE		YT2T		KR4Z (N4PN)3,90		7 MHz
7 MHz			BA7IO	152,862	VA2WDQ3,61	0,516 *HA8AAA .	886,886
YW4D (YV1DIG)6,516,			OH4MDY	140,541	UO1P (UN7PL)3,56	8,848 PY2LSM	25,060
ZM3A (ZL3WW)6,437, CT1JLZ (OK1RF)6,075,			21 MHz		28 MHz		3.5 MHz
					ZO IVITIZ		3.3 IVIDZ
		598 858		384 580	RΔ7IO 15	2.862 *BA3AX	3 910
YT5A (YU1EA)5,541,	77 *UT7XX		EA5FID		BA7IO15 OQ5M (ON5ZO)14		3,910
YT5A (YU1EA)	77 *UT7XX 90 *LY1ØØØCW (LY3CW) 26 *LY2GW	)514,167 453,690	EA5FID PA3EWP UA9HR	307,192 245,700	BA7IO	3,374 7,500 <b>N</b>	MULTI-OPERATOR
YT5A (YU1EA)	77 *UT7XX 90 *LY1ØØØCW (LY3CW) 26 *LY2GW 00 *YL5W	)514,167 453,690 444,644	EA5FID PA3EWP UA9HR YO5BBO	307,192 245,700 189,042	OQ5M (ON5ZO)14 G4IUF3	3,374 7,500 N SIN	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA) 5,541, 9ASW 5,166, VK6AA (VK2IA) 5,001, 7F2DO (N5DO) 4,712, 9A8A 4,505,	77 *UT7XX 90 *LY1ØØØCW (LY3CW) 26 *LY2GW 00 *YL5W 54 *YL3GFX	)514,167 453,690 444,644 409,705	EA5FID PA3EWP UA9HR	307,192 245,700 189,042	OQ5M (ON5ZO)14 G4IUF3	3,374 7,500 N SIN CS9L	MULTI-OPERATOR NGLE-TRANSMITTER20,691,183
YT5A (YU1EA)	777 *UT7XX 90 *LY10000CW (LY3CW) 26 *LY2GW 00 *YL5W 54 *YL3GFX 68 *SO5M	)514,167 453,690 444,644 409,705 363,025	EA5FIDPA3EWPV09HRY05BBOSP2JMB	307,192 245,700 189,042	OQ5M (ON5ZO)	3,374 7,500 N SIN CS9L 4,580 C4N	MULTI-OPERATOR NGLE-TRANSMITTER 20,691,183 18,470,529
YT5A (YU1EA) 5,541, 9ASW 5,166, VK6AA (VK2IA) 5,001, 7F2DO (N5DO) 4,712, 9A8A 4,505,	777 *UT7XX *LY1ØØCW (LY3CW). 26 *LY2GW D0 *YL5W 54 *YL3GFX 58 *SO5M 52 *UR3LPM	)514,167 453,690 444,644 409,705 363,025 350,124	EA5FID PA3EWP UA9HR YO5BBO SP2JMB	307,192 245,700 189,042 182,920	OQ5M (ON5ZO)	3,374 7,500 N SIN CS9L 4,580 C4N 4,558 RU1A	MULTI-OPERATOR NGLE-TRANSMITTER 20,691,183 18,470,529 13,838,256
YT5A (YU1EA)	777 *UT7XX. *LY1000CW (LY3CW) 206 *LY2GW	)514,167 453,690 444,644 409,705 363,025 350,124 318,600	EA5FID PA3EWP UA9HR YO5BBO SP2JMB  14 MHz ZY7C (PY8AZT) RZ9HT	307,192 245,700 189,042 182,920 4,431,078 4,074,640	OO5M (ON5ZO)	3,374 7,500 M SIN CS9L 4,580 C4N 4,558 RU1A 2,776 K1LZ A73A	MULTI-OPERATOR NGLE-TRANSMITTER 20,691,183 18,470,529 13,838,256 12,754,560 12,618,825
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3,5 MHz 9A1CCY (9A3IMI) 1,808,	777 *UT7XX *UT1000CW (LY3CW) *266 *LY2GW *YL5W *YL5W *YL5W *YL5GY *SOSM *EU1AI *EU1AI *1.8 MH	)514,167 453,690 444,644 409,705 363,025 350,124 318,600	EA5FID	307,192 245,700 189,042 182,920 4,431,078 4,074,640 3,000,404	OQ5M (ON5ZO)	3,374 7,500  SIN  CS9L 4,580 C4N 4,558 RU1A 2,776 K1LZ A73A ES9C	MULTI-OPERATOR NGLE-TRANSMITTER 20,691,183 18,470,529 13,838,256 12,754,560 12,618,825 12,562,719
YTSA (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612	777 *UT7XX. 900 *LY10000CW (LY3CW) 926 *LY2GW. 930 *YL5W. 94 *YL3GFX. 958 *SO5M. 959 *UR3LPM. 950 *EU1AI. 950 **EU1AI. 950	)	EA5FID	307,192 245,700 189,042 182,920 4,431,078 4,074,640 3,000,404 2,987,206	OQ5M (ON5ZO)	3,374 7,500  SIN  CS9L 4,580 C4N 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA) 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (NSDO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396,	777 *UT7XX. *LY10000CW (LY3CW) 264 *LY2GW. 270 *YL5W. 271 *YL5W. 272 *UR3GFX. 273 *SO5M. 274 *SO5M. 274 **EUTAI. 275 **EUTAI. 276 **EUTAI. 277 **EUTAI. 278 **TA2RC.	)	EA5FID	307,192 245,700 189,042 182,920 4,431,078 4,074,640 3,000,404 2,987,206	OQ5M (ON5ZO)	3,374 7,500  N SIN  CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX 5,444 OM7M	MULTI-OPERATOR NGLE-TRANSMITTER
YTSA (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612	777 *UT7XX 900 *LY2GW 926 *LY2GW 930 *YL5W 94 *YL3GFX 958 *SO5M 952 *UR3LPM *EU1AI 956 *HABIB **TA2RC 94 *YT4A	)	EA5FID	307,192 245,700 189,042 182,920 4,431,078 4,074,640 3,000,404 2,987,206	005M (0N5Z0)	3,374 7,500 N SIN CS9L 4,580 C4N 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 0.13Z	MULTI-OPERATOR NGLE-TRANSMITTER 20,691,183 18,470,529 13,838,256 12,754,560 12,618,825 12,562,719 11,861,398 11,688,672 11,666,757
YT5A (YU1EA) 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, Y14T 1,202, SMØW 959, OL2N (OK1FDR) 844,	777 *UT7XX. 90 *LY1000CW (LY3CW) 926 *LY2GW. 927 *YL5W. 938 *S05M. 939 *S05M. 940 *S05M. 950 **EU1AI. 950 **TA2RC. 950 *TA2RC.	514,167 453,690 444,644 409,705 363,025 350,124 318,600 2 132,508 120,269 119,892 118,146 105,185	EA5FID		OQ5M (ON5ZO)	3,374 7,500  N CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 ETDX 5,444 OM7M 3,052 OL3Z 7,624 0G6A	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW. 959, OL2N (OK1DR) 844, SP5KCR (SP5JTF) 752;	777 *UT7XX 900 *LY16000CW (LY3CW) 926 *LY2GW 920 *YL5W 938 *SO5M 94 *UR3LPM 95 *UR3LPM 95 *EU1AI 96 *HABIB 92 *TA2RC 94 *YT4A 94 *YT4A 95 **OK6Y (OK2PTZ)	514,167 453,690 444,644 409,705 363,025 350,124 318,600 2 132,508 120,269 119,892 118,146 105,185 99,009	EA5FID		OQ5M (ON5ZO)	3,374 7,500  N CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 CMM7M 3,052 OL3Z 7,624 OG6A 8,050	MULTI-OPERATOR NGLE-TRANSMITTER 20,691,183 18,470,529 13,838,256 12,754,560 12,618,825 12,562,719 11,861,398 11,666,757 11,430,899 MULTI-OPERATOR
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW. 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638,	777 *UT7XX. 900 *LY16Ø0CW (LY3CW) 926 *LY2GW. 927 *YL5W. 928 *YL5W. 939 *YL5W. 949 *YL5W. 950 *TA2RC. 960 *YT4A. 970 *YT4A.	514,167 453,690 444,644 409,705 363,025 350,124 318,600 2 132,508 120,269 119,892 118,146 105,185 99,009 76,121	EA5FID		OO5M (ON5ZO)	3,374 7,500  M CS9L 4,580 CAN 4,558 RUTA 2,776 K1LZ A73A ES9C 7,424 CFDX 5,444 OM7M 3,052 OG6A 8,050	MULTI-OPERATOR  WGLE-TRANSMITTER  20,691,183  18,470,529  13,838,256  12,754,560  12,618,825  12,562,719  11,861,398  11,688,672  11,430,899  MULTI-OPERATOR  WO-TRANSMITTER
YT5A (YU1EA) 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596,	777 *UT7XX. 790 *LY1000CW (LY3CW) 726 *LY2GW. 745W. 754 *Y13GFX. 755 *UR3LPM. 750 *EU1AI. 750 *TA2RC.	)	EA5FID		OQ5M (ON5ZO)	3,374 7,500  M CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 OL3Z 7,624 B,050 M 7,7,694 OLØW 7,7,698 OLØW	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW. 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638,	777 *UT7XX. 790 *LY1000CW (LY3CW) 726 *LY2GW. 745W. 754 *Y13GFX. 755 *UR3LPM. 750 *EU1AI. 750 *TA2RC.	514,167 453,690 444,644 409,705 363,025 350,124 318,600 2 132,508 120,269 119,892 118,146 105,185 99,009 76,121 58,293 58,058	EA5FID		OQ5M (ON5ZO) 14 G4IUF 3  21 MHz EASFID 38 RA9AC 11 ON6NL 11  14 MHz ZC4LI 4,90 IU9T (IT9GSF) 4,40 EF7R (EA7AJR) 1,88 OI6X (OH6NJ) 1,58 AB7E 1,55  7 MHz N2WQ/VE3 1,90 W9/UY5LW 1,16	3,374 7,500  N CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX 0M7M 3,052 01,3Z 7,624 0G6A 8,050  N T,698 0L0W 9,649 9,8800VZ	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA) 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596,	777 *UT7XX. 900 *LY16Ø0CW (LY3CW) 926 *LY2GW. 926 *LY2GW. 927 *YL3GY. 930 *YL5W. 941 *YL3GFX. 952 *UR3LPM. 952 *UR3LPM. 954 *HABIB. 955 *TA2RC. 964 *HABIB. 974 *TA2RC. 975 *OK6Y (OK2PTZ). 975 *OM5FA. 976 *UA6AX. 977 *UA6AX. 977 *UT7XX. 978 *OM5FA. 978 *UT7XX. 978 *UT7XX	)	EA5FID		OQ5M (ON5ZO)	3,374 7,500  M CS9L SIN CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 OL3Z 7,624 OG6A 8,050  M 7,698 OLØW 7,7698 OLØW 9,649 9,649 K04D/3 K04D/3	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW. 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299,	777 *UT7XX 970 *LY10Ø0CW (LY3CW) 926 *LY2GW 927 *YL5W 928 *SO5M 929 *UR3LPM *EU1AI 920 *TA2RC 94 *YT4A 94 *YT4A 94 *E79Z 94 *VT4A 958 *OKEY (OK2PTZ) 94 *VT1T 958 *OKEY (OK2PTZ) 94 *VT1T 958 *OMSFA 959 *UR3LPM 969 *TA2RC 94 *YT4A 954 *E79Z 958 *OKEY (OK2PTZ) 959 *OMSFA 950 *UA6AX *ER2RM	)514,167 453,690 444,644 409,705 350,124 350,124 318,600 z 32,508 120,269 118,146 151,185 99,009 76,121 58,293 58,293 58,293 31,824	EA5FID		OQ5M (ON5ZO)	3,374 7,500  M CS9L 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 OL3Z 7,624 0G6A 8,050  M 7,698 OLØW 9,649 9,649 9,869 VABØOVZ KD4D/3 DO4W	MULTI-OPERATOR  **GLE-TRANSMITTER**
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3IMI) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288,	777 *UT7XX 970 *LY1000CW (LY3CW) 926 *LY2GW 927 *YL5W 928 *YL5W 938 *SOSM 94 *YL3GFX 958 *SOSM 952 *UR3LPM *EU1AI 956 *I.8 MH 954 *HABIB 94 *TA2RC 94 *YT4A 954 *E79Z 954 *OK6Y (OK2PTZ) 954 *UTSNQ 958 *YT1T 959 *YT1T 959 *YT1T 959 *SINGLE OPERAT ALL BAN	)	EA5FID		OO5M (ON5ZO)	3,374 7,500  M CS9L 4,580 CAN 4,558 RUTA 2,776 K1LZ A73A ES9C 7,424 CM7M GAM	MULTI-OPERATOR  18,470,529 13,838,256 12,754,560 12,618,825 12,562,719 11,861,398 11,688,672 11,430,899  MULTI-OPERATOR WO-TRANSMITTER 15,156,414 15,041,455 14,632,800 13,809,375 13,533,914 13,083,928
YT5A (YU1EA) 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, Y14T 1,202, SMØW. 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285,	777 *UT7XX. 900 *LY16000CW (LY3CW) 926 *LY2GW. 926 *YLY2GW. 920 *YL5W. 934 *YL3GFX. 935 *SO5M. 935 *SO5M. 936 *SO5M. 937 *EU1AI. 936 **EU1AI. 937 **EU1AI. 938 **HA8IB. 949 *TA2RC. 940 *YT4A. 941 **E79Z. 942 **UX5NO. 943 **YT4A. 944 **YT1T. 944 **YT1T. 955 **OMSFA. 945 **UASNO. 946 **YT1T. 956 **SINGLE OPERAT. 957 **SINGLE OPERAT. 958 **ONGLE OP	)	EA5FID		OQ5M (ON5ZO)	3,374 7,500  M CS9L CS9L 4,580 CAN A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 OL3Z 7,624 OG6A 8,050  M 7,698 OL0W 7,698 OL0W DO4W 7,141 HG1S 4,358 NH7O	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA)	777 *UT7XX 970 *LY10Ø0CW (LY3CW) 926 *LY2GW 926 *YLSW 927 *YLSW 928 *SO5M 929 *UR3LPM *EU1AI 920 *TA2RC 94 *YT4A 94 *YT4A 954 *E79Z 94 *VYT4A 958 *OKEY (OK2PTZ) 94 *VYT1T 973 *OMSFA 920 *UA6AX *ER2RM 93 *SINGLE OPERAT ALL BAN ALL BAN ALL BAN ALL BAN ALL BAN OK 7CM	)	EA5FID		OQ5M (ON5ZO)	3,374 7,500  M CS9L SIN CS9L SIN 4,558 RU1A A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 OL3Z 7,624 OG6A 8,050  M 7,698 OLØW 9,649 9,649 9,649 9,649 9,649 9,649 100 100 100 100 100 100 100 100 100 10	MULTI-OPERATOR
YT5A (YU1EA) 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, Y14T 1,202, SMØW. 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285,	777 *UT7XX 970 *LY1000CW (LY3CW) 926 *LY2GW 927 *YL5W 928 *YL5W 938 *SOSM 94 *V13GFX 95 *UR3LPM *EU1AI 95 **LASH *EU1AI 95 **LASH *EU1AI 96 **TA2RC 91 *TA2RC 92 *TA2RC 94 *YT4A 95 **CKEY (OK2PTZ) 94 *UKSNO 95 **OK6Y (OK2PTZ) 96 **WSNO 97 **LASH 97 **LASH 98 **LASH 99 **LASH 90 **LASH 90 **LASH 90 **LASH 90 **LASH 91 **LASH 91 **LASH 91 **LASH 91 **LASH 92 **LASH 93 **LASH 94 **LASH 95 **LASH 96 **LASH 97 **LASH 98 **LASH 98 **LASH 98 **LASH 98 **LASH 99 **LASH 90 **LASH 90 **LASH 91 **LASH 91 **LASH 91 **LASH 91 **LASH 92 **LASH 93 **LASH 94 **LASH 95 **LASH 96 **LASH 96 **LASH 97 **LASH 97 **LASH 98 **LASH	)	EA5FID		OO5M (ON5ZO)	3,374 7,500  M CS9L SIN CS9L M4,580 CAN M4,558 RU1A M73A ES9C M7424 E7DX M73A CS9L M7444 OM7M M3,052 OL3Z M7,624 OG6A M7464 M750 M7464 M7461 K04D/3 D04W M7,141 M61S M7414 M61S M751 M751 M751 M751 M751 M751 M751 M751	MULTI-OPERATOR NGLE-TRANSMITTER
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW. 959, OL2N (OK1FDR) 8,844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 6,38, KH6ND 5,966, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, S530 242, 9A38 (9A2VR) 236, LZ4TX 167, YO5AJR 129,	777 *UT7XX 970 *LY10Ø0CW (LY3CW) 926 *LY2GW 926 *LY2GW 930 *YLSW 94 *YLSW 95 *SOSM 95 *UR3LPM *EU1AI 95 *TA2RC 94 *YT4A 94 *YT4A 94 *YT4A 95 *CKEY (OK2PTZ) 94 *UX5NO 94 *YT1T 973 *OMSFA 93 *OMSFA 93 *OMSFA 94 *UA6AX *ER2RM 95 *SINGLE OPERAT ALL BAN 404 OK7CM 98 *OK3C (OK2ZC) 96 *OK3C (OK2ZC) 97 *UA6AX 98 *OK3C (OK2ZC) 97 *UA6AX 98 *OK3C (OK2ZC) 98 *OK3C (OK2ZC) 98 *OK3C (OK2ZC)	)	EA5FID		OO5M (ON5ZO)	3,374 7,500  M CS9L SIN CS9L SIN 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C 7,424 F7DX 5,444 OM7M 3,052 OL3Z 7,624 OG6A 8,050 M T 7,698 OLØW 7,141 HG1S L338 NH70 A338 NH70 TA3KZ XM7SV NT	MULTI-OPERATOR
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, SS3O 242, 9A3B (9A2VR) 236, IZ4TX 167, YO5AJR 129,	777 *UT7XX 970 *LY10Ø0CW (LY3CW) 926 *LY2GW 927 *YL5W 928 *SO5M 928 *UR3LPM *EU1AI 929 *TA2RC 94 *TA2RC 94 *TA2RC 94 *YT4A 954 *E797 958 *OK6Y (OK2PTZ) 959 *TA2RC 964 *YT1T 973 *OM5FA 973 *SINGLE OPERAT ALL BAN 404A 989 OK3C (OK2ZC) 989 OK3C (OK2ZC) 980 OK3C (OK2ZC) 981 *QA3AN	514,167 453,690 444,644 409,705 363,025 350,124 318,600  2 132,508 120,269 119,892 118,146 105,185 99,009 76,121 58,293 31,824  OR - QRP D 1,238,895 1,227,440 1,123,344 1,084,907 1,066,725 9966,326	EA5FID	307,192 	OO5M (ON5ZO)	3,374 7,500  M CS9L CS9L 4,580 C4N K1L7 A73A ES9C 7,424 E7DX 5,444 OM7M 3,052 OG6A 0G6A N T T 7,698 OLØW 7,698 OLØW C4I K0AD/3 D04W 7,141 HG1S HG1S MT7 MT8 MT9 XM7SV NT	MULTI-OPERATOR  WGLE-TRANSMITTER  20,691,183  18,470,529  13,838,256  12,754,560  12,618,825  12,562,719  11,861,398  11,688,672  11,430,899  MULTI-OPERATOR  WO-TRANSMITTER  15,156,414  15,041,455  14,632,800  13,809,375  13,533,914  13,083,928  13,050,660  12,655,072  12,655,072  12,655,072  MULTI-OPERATOR
YT5A (YU1EA) 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HA8BE 285, S53O 242, 9A3B (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 1113, LY1CM 88,	777 *UT7XX 779 *UT7XX 790 *YLY0Ø0CW (LY3CW) 790 *YLY5W 791 *YLSW 791 *YLSW 792 *YLSW 793 *YLSW 794 *YL3GFX 795 *SOSM 8 *SOSM 8 *SOSM 8 *SOSM 8 *SOSM 8 *SOSM 8 *EUTAI 794 *HABIB 8 *HABIB 8 *HABIB 8 *HABIB 8 *TA2RC 94 *YT4A 94 *YT4A 954 *E79Z 965 *OKCY (OK2PTZ) 968 *OKYGW 968 *OKYGW 971 *UN6AX 8 *ER2RM 973 *SINGLE OPERAT ALL BAN ALL BAN ALL BAN ALL BAN ALL BAN ALL BAN BAN ALL BAN	)	EA5FID		O05M (ON5ZO)	3,374 7,500  M CS9L CS9L 4,580 CAN A,558 RU1A A73A ES9C 7,424 E7DX 6,444 OM7M 3,052 OG6A 8,050  M T 7,698 OLØW 7,698 OLØW 7,141 HGIS 4,358 NH7O 2,524 KLTRA XM7SV NT	MULTI-OPERATOR  \( \text{NGLE-TRANSMITTER} \) \( \text{20,691,183} \) \( \text{18,470,529} \) \( \text{13,838,256} \) \( \text{27,74,560} \) \( \text{12,618,825} \) \( \text{21,562,719} \) \( \text{11,661,398} \) \( \text{11,666,757} \) \( \text{11,666,757} \) \( \text{11,430,899} \) \( \text{MULTI-OPERATOR} \) \( \text{WO-TRANSMITTER} \) \( \text{15,156,414} \) \( \text{15,041,455} \) \( \text{14,632,800} \) \( \text{13,809,375} \) \( \text{13,333,918} \) \( \text{13,083,928} \) \( \text{13,093,928} \) \( \text{13,093,660} \) \( \text{12,655,072} \) \( \text{12,619,640} \) \( \text{11,225,610} \) \( \text{MULTI-OPERATOR} \) \( \text{MULTI-OPERATOR} \) \( \text{ULTI-TRANSMITTER} \)
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, SS3O 242, 9A3B (9A2VR) 236, IZ4TX 167, YO5AJR 129,	777 *UT7XX 970 *LY10Ø0CW (LY3CW) 926 *LY2GW 926 *LY2GW 927 *YL5W 938 *SO5M 94 *YL3GFX 95 *SO5M 95 *UR3LPM *EU1AI 95 *TA2RC 94 *YT4A 95 *TA2RC 94 *YT4A 95 *TA2RC 94 *YT4A 95 *CKSY (OK2PTZ) 94 *UX5NO 95 *UA6AX *ER2RM 97 *UA6AX *ER2RM 98 *OK3C (OK2ZC) 99 *OK3C (OK2ZC) 90 *OK3C (OK2ZC)	)	EA5FID		O05M (ON5ZO)	3,374 7,500  M CS9L SIN CS9L SIN 4,580 CAN 4,558 RU1A 2,776 K1LZ A73A ES9C A73A ES9C A7424 E7DX B7,624 OG6A B,050  M T 7,698 Q,649 Q,649 Q,649 Q,649 Q,649 Q,649 Q,640 C41 K04D/3 D04W A7,141 HG1S A3,170 TA3KZ XM7SV NT M Q,900 WE3C M M CS9L M CS9L M CS9L M M CS9L M M M CS9L M M M M M Q,900 WE3C M M M M M M Q,900 WE3C M M M M M M M Q,900 WE3C M M M M M M M M M M M M M M M M M M M	MULTI-OPERATOR  NGLE-TRANSMITTER
YT5A (YU1EA)	777 *UT7XX  790 *LY1000CW (LY3CW)  790 *YL5W  790 *YL5W  790 *YL5W  791 *YL5W  791 *TASE  791 *TASE  791 *TASE  791 *TASE  791 *TASE  791 *TASE  792 *TASE  793 *TASE  794 *TASE  795 *TASE  796 *TASE  797 *TASE  797 *TASE  798 *TASE  799 *TASE  799 *TASE  790 *TASE  790 *TASE  790 *TASE  790 *TASE  790 *TASE  791 *TASE  792 *TASE  793 *TASE  794 *TASE  795 *TASE  796 *TASE  797 *TASE  797 *TASE  798 *TASE  799 *T	514,167 453,690 444,644 409,705 363,025 350,124 318,600  2 132,508 120,269 119,892 118,146 105,185 99,009 76,121 58,293 31,824  OR - QRP D 1,238,895 1,227,440 1,123,344 1,084,907 1,066,725 996,326 843,622 843,622 843,622 842,000	EA5FID	307,192	O05M (ON5ZO)	3,374 7,500  M CS9L CS9L 4,580 CAN CS9L 4,588 RUTA ES9C 7,424 E7DX 5,444 OM7M 3,052 OG6A 0G6A M T 7,698 OLØW T 7,698 OLØW DO4W 7,141 HG1S DO4W A,358 NH7O DAW XM7SV NT  M M 2,900 WE3C 7,742 ZWSB	MULTI-OPERATOR  \( \text{NGLE-TRANSMITTER} \) \( \text{20,691,183} \) \( \text{18,470,529} \) \( \text{13,838,256} \) \( \text{27,74,560} \) \( \text{12,618,825} \) \( \text{21,562,719} \) \( \text{11,661,398} \) \( \text{11,666,757} \) \( \text{11,666,757} \) \( \text{11,430,899} \) \( \text{MULTI-OPERATOR} \) \( \text{WO-TRANSMITTER} \) \( \text{15,156,414} \) \( \text{15,041,455} \) \( \text{14,632,800} \) \( \text{13,809,375} \) \( \text{13,333,918} \) \( \text{13,083,928} \) \( \text{13,093,928} \) \( \text{13,093,660} \) \( \text{12,655,072} \) \( \text{12,619,640} \) \( \text{11,225,610} \) \( \text{MULTI-OPERATOR} \) \( \text{MULTI-OPERATOR} \) \( \text{ULTI-TRANSMITTER} \)
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, IF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW 959, OL2N (OK1FDR) 8,44, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 6,38, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, S530 242, 9A3B (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 88, K8PO/1 12,	777 *UT7XX 979 *UT7XX 970 *LY1000CW (LY3CW) 926 *LY2GW 930 *YL5W 94 *YL3GFX 958 *SO5M 952 *UR3LPM *EU1AI 956 *1.8 MH 954 *HABIB 966 *1.8 MH 954 *HABIB 966 *1.8 MH 954 *TA2RC 94 *YT4A 954 *E79Z 958 *OK6Y (OK2PTZ) 958 *OK6Y (OK2PTZ) 958 *OK6Y (OK2PTZ) 958 *OK6Y (OK2PTZ) 959 *UA6AX *ER2RM 973 *SINGLE OPERAT 958 *ALL BAN 960 OK7C 969 OK3C (OK2ZC) 969 OK3C (OK2ZC) 970 OK3C (OK2ZC) 971 US2IZ 972 *MAA/9 972 OK3C (OK2ZC) 973 *MAA/9 974 *MAA/9	)	EA5FID. PA3EWP. UA9HR. YO5BBO SP2JMB.  14 MHz ZY7C (PYBAZT). RZ9HT HA9PP RX6AM. R090 (RZ900).  7 MHz YU1LA OE3I (OE3DSA). HG3A (HA3MO). M7A (LY4Y). LZ7J (LZ1CL).  3.5 MHz S56X HA3LI LY7M YT6T (YU7CM) DR7T (DL1HCM)  1.8 MHz S57M DLØMB (DF2UU). RA6CZ		O05M (ON5ZO)	3,374 7,500  M CS9L SIN CS9L S	MULTI-OPERATOR  18,470,529 13,838,256 12,754,560 12,618,825 12,562,719 11,861,398 11,688,672 11,430,899  MULTI-OPERATOR WO-TRANSMITTER 15,156,414 15,041,455 14,632,800 13,809,375 13,533,914 13,083,928 13,050,660 12,655,072 12,651,640 MULTI-OPERATOR  MULTI-OPERATOR  MULTI-OPERATOR  13,809,375 13,533,914 13,083,928 13,050,660 12,655,072 12,610,640 11,225,610  MULTI-OPERATOR
YT5A (YU1EA). 5,541, 9A5W 5,166, VK6AA (VK2IA) 5,001, VF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW 959, OL2N (OK1EDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, SS3O 242, 9A3B (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 881, KBPO/1 112, SINGLE OPERATOR – LOW POW ALL BAND *VE3DZ/VP9 7,152,	777 *UT7XX 970 *LY1000CW (LY3CW) 926 *LY2GW 926 *LY2GW 927 *YL5W 928 *SO5M 928 *SO5M 929 *TA2RC 930 *UR3LPM *EU1AI 940 *TA2RC 940 *YT4A 954 *E79Z 954 *CKEY 955 *OK6Y (OK2PTZ) 956 *OK6Y (OK2PTZ) 957 *TA2RC 958 *OK6Y (OK2PTZ) 958 *OK6Y (OK2PTZ) 959 *UR3LPM 950 *UA6AX *ER2RM 960 *UA6AX *ER2RM 971 *US1Z 972 *US1Z 973 *US1Z 973 *US1Z 974 *UR3AI 975 *UR3AI 975 *UR3AI 977 *US1Z 978 *UR3AI	514,167 453,690 444,644 409,705 363,025 350,124 318,600  2 132,508 120,269 119,892 118,146 105,185 99,09 76,121 58,293 31,824  OR - QRP D 1,238,895 1,227,440 1,123,344 1,084,907 1,066,725 996,326 843,622 843,622 844,000 822,829 735,042	EA5FID		OO5M (ON5ZO)	3,374 7,500  M CSPL  CSPL  CSPL  MA (580 C4N  LA (580 C4N  SIN  CSPL  C	MULTI-OPERATOR  18,470,529  13,838,256  12,754,560  12,618,825  12,52,719  11,861,398  11,688,672  11,430,899  MULTI-OPERATOR  WO-TRANSMITTER  15,156,414  15,041,455  14,632,800  13,809,375  13,533,914  13,083,928  13,050,660  12,655,060  11,255,160  MULTI-OPERATOR  MULTI-OPERATOR  WO-TRANSMITER  15,156,414  15,041,455  14,632,800  13,809,375  13,533,914  13,083,928  13,050,660  12,655,060  MULTI-OPERATOR  MULTI-OPERATOR  MULTI-OPERATOR  MULTI-OPERATOR  MULTI-OPERATOR  MULTI-OPERATOR  ULTI-TRANSMITER  21,910,252  20,249,325  19,992,750  18,863,096  18,863,096  17,398,059
YT5A (YU1EA)	777 *UTTXX 790 *LY1000CW (LY3CW) 790 *LY2GW 790 *YL5W 791 *YL5W 792 *UT3LPM 793 *UR3LPM 794 *TA2RC 794 *TA2RC 794 *TA2RC 795 *OK6Y (OK2PTZ) 795 *OK6Y (OK2PTZ) 796 *SINGLE OPERAT ALL BAN 404A 797 *CY100 *UA6AX 798 *OK6Y (OK2C) 799 *OK3C (OK2C) 790 *OK3C (OK2C) 791 *CY10	)	EA5FID		O05M (ON5ZO)	3,374 7,500  M CS9L  CSP	MULTI-OPERATOR
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, IF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz 9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T 1,202, SMØW 959, OL2N (OK1FDR) 8,44, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 6,38, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, S530 242, 9A3B (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 88, KSPO/1 12, SINGLE OPERATOR – LOW POW ALL BAND  *VE3DZ/VP9 7,152, *YM3D (TA3D) 5,092, *YM2D (K9GY) 4,744, *YN2GY (K9GY) 4,744, *YN2GY (K9GY) 4,744, *YN2GY (K9GY) 4,744, *YN2GY (K9GY) 4,744, *YM3D (TA3D) 5,092, *YM3D (TA3D) 5,	777 *UTXX 790 *UTXXX 926 *LY2GW 926 *LY2GW 927 *YL5W 928 *SO5M 929 *UR3LPM *EUTAI 930 *YHABABB *EUTAI 940 *YT4A 954 *E79Z 941 *YT4A 954 *E79Z 955 *OKSY (OK2PTZ) 956 *OKSY (OK2PTZ) 957 *UA6AX *ER2RM 958 *OKSY (OK2PTZ) 958 *OKSY (OK2PTZ) 959 OK3C (OK2ZC) 950 OK3C (OK2ZC) 951 OK3C (OK2ZC) 952 OK3C (OK2ZC) 953 RASAN 954 OK3C (OK2ZC) 955 OK3C (OK2ZC) 955 OK3C (OK2ZC) 955 OK3C (OK2ZC) 957 OK3C (OK2ZC) 958 OK3C (OK2ZC) 958 OK3C (OK2ZC) 958 OK3C (OK2ZC) 959 OK3C (OK2ZC) 959 OK3C (OK2ZC) 950 OK3C (OK2ZC) 950 OK3C (OK2ZC) 951 OK3C (OK2ZC) 952 OK3C (OK2ZC) 953 OK3C (OK2ZC) 954 OK3C (OK2ZC) 955 OK3C (OK2ZC) 955 OK3C (OK2ZC) 957 OK3C (OK2ZC)	314,167 453,690 444,644 409,705 363,025 350,124 318,600  2 132,508 120,269 118,146 105,185 99,009 76,121 58,293 58,058 31,824  OR - ORP D 1,238,895 1,227,440 1,123,344 1,084,907 1,066,725 906,326 843,622 824,000 822,829 735,042	EA5FID. PA3EWP. UA9HR. YO5BBO. SP2JMB.  14 MHz ZY7C (PYBAZT)		O05M (ON5ZO)	3,374 7,500  M CS9L A73A ES9C A73A ES9C A73A CS9C A73A CS9C A73A CS9L A73A CS9C A8050 A7451 A8050 A7451 A7451 A7452 A7452 A7461 A74752 A74762 A74	MULTI-OPERATOR  \( \text{NGLE-TRANSMITTER} \) \( \text{20,691,183} \) \( \text{18,470,529} \) \( \text{13,838,256} \) \( \text{12,754,560} \) \( \text{12,618,825} \) \( \text{11,661,398} \) \( \text{11,666,757} \) \( \text{11,666,757} \) \( \text{11,430,899} \) \( \text{MULTI-OPERATOR} \) \( \text{WO-TRANSMITTER} \) \( \text{15,041,455} \) \( \text{13,080} \) \( \text{13,083,928} \) \( \text{13,083,928} \) \( \text{13,083,928} \) \( \text{13,050,660} \) \( \text{12,655,072} \) \( \text{12,619,640} \) \( \text{11,125,610} \) \( \text{MULTI-OPERATOR} \) \( \text{ULTI-TRANSMITTER} \) \( \text{21,910,252} \) \( \text{22,20,249,325} \) \( \text{13,980,059} \) \( \text{17,398,059} \) \( \text{12,593,398} \) \( \text{17,705,496} \)
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW. 959, OL2N (OK1DR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, SS30 242, PA3B (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 881, KBPO/1 12, SINGLE OPERATOR – LOW POW, ALL BAND *VE3DZ/VP9 7,152, *YM3D (TA3D) 5,092, *YNISOK (SOS) 7,922, *YNSOK (SOS) 7,92	777 *UT7XX 970 *LY1000CW (LY3CW) 926 *LY2GW 926 *LY2GW 927 *YL5W 928 *SO5M 929 *TA2RC 930 *UR3LPM *EU1AI 94 *A2RC 94 *YT4A 95 *TA2RC 95 *TA2RC 96 *YT1T 97 *OM5FA 90 *UA6AX *ER2RM 97 *SINGLE OPERAT ALL BAN ALL	514,167 453,690 444,644 409,705 363,025 350,124 318,600  2 132,508 120,269 119,892 118,146 105,185 99,009 76,121 58,293 31,824  OR - QRP D 1,238,895 1,227,440 1,123,344 1,084,907 1,066,725 996,326 843,622 824,000 822,829 735,042	EA5FID. PA3EWP. UA9HR. YO5BBO SP2JMB.  14 MHz ZY7C (PYBAZT). RZ9HT HA9PP RX6AM. RO90 (RZ9OO).  7 MHz YU1LA OE3I (OE3DSA) HG3A (HA3MO) M7A (LY4Y) LZ7J (LZ1CL).  3.5 MHz S56X HA3LI LY7M YT6T (YU7CM) DR7T (DL1HCM)  1.8 MHz S57M DLØMB (DF2UU) RA6CZ SINGLE OPERATOR LOW POWE ALL BANIC *9A3XV *CE4CT (XQ4CW) *124 MHz *125 MHz *126 MHz *127 MHz *128 MHz *1		OO5M (ON5ZO)	3,374 7,500  M CSPL  CSPL  CSPL  MASSB  CSPL  CS	MULTI-OPERATOR  18,470,529  13,838,256  12,754,560  12,618,825  12,562,719  11,861,398  11,688,672  11,430,899  MULTI-OPERATOR  WO-TRANSMITTER  15,156,414  15,041,455  14,632,800  13,809,375  13,533,914  13,083,928  13,050,660  12,655,600  12,655,600  MULTI-OPERATOR  MULTI-OPERATOR  MULTI-OPERATOR  WO-TRANSMITER  15,156,414  15,041,455  14,632,800  13,809,375  13,533,914  MULTI-OPERATOR  MULTI-O
YT5A (YU1EA)	777 *UT7XX 979 *UT7XX 970 *LY10Ø0CW (LY3CW) 926 *LY2GW 927 *YL5W 928 *SO5M 929 *UR3LPM *EUTAI 930 *YH.BABIB 940 *ABBIB 951 *ABBIB 952 *TAZRC 940 *YT4A 954 *E79Z 954 *E79Z 955 *OKSY (OK2PTZ) 955 *OKSY (OK2PTZ) 956 *OKSY (OK2PTZ) 957 *UA6AX *ER2RM 958 *OKSY (OK2PTZ) 958 *OKSY (OK2PTZ) 959 *OKSY (OK2PTZ) 950 *UA6AX *ER2RM 950 *OKSY (OK2PTZ) 951 *USZIZ 952 *OMSFA 953 *SINGLE OPERATA 954 *OKSY (OK2PTZ) 955 *OKSY (OK2PTZ) 956 *OKSY (OK2PTZ) 957 *UA6AX 958 *OKSY (OK2PTZ) 958 *OKSY (OK2PTZ) 958 *OKSY (OK2PTZ) 959 *OKSY (OK2PTZ) 959 *OKSY (OK2PTZ) 959 *OKSY (OK2PTZ) 959 *OKSY (OK2PTZ) 950 *UR46AX 959 *OKSY (OK2PTZ) 950 *UR46AX 9	)	EA5FID. PA3EWP. UA9HR. YO5BBO. SP2JMB.  14 MHz ZY7C (PYBAZT)		O05M (ON5ZO)	3,374 7,500  M CS9L CS9L CS9L A1,580 A,558 RU1A RU1A A73A ES9C 7,424 E7DX 6,644 OG6A M T T 7,698 OLØW T 7,698 OLØW ROAD/3 DO4W ROAD/3 DO4W ROAD/3	MULTI-OPERATOR  \( \text{NGLE-TRANSMITTER} \) \( \text{20,691,183} \) \( \text{18,470,529} \) \( \text{13,838,256} \) \( \text{12,754,560} \) \( \text{12,618,825} \) \( \text{11,661,398} \) \( \text{11,666,757} \) \( \text{11,666,757} \) \( \text{11,430,899} \) \( \text{MULTI-OPERATOR} \) \( \text{WO-TRANSMITTER} \) \( \text{15,041,455} \) \( \text{13,080} \) \( \text{13,083,928} \) \( \text{13,083,928} \) \( \text{13,083,928} \) \( \text{13,050,660} \) \( \text{12,655,072} \) \( \text{12,619,640} \) \( \text{11,125,610} \) \( \text{MULTI-OPERATOR} \) \( \text{ULTI-TRANSMITTER} \) \( \text{21,910,252} \) \( \text{22,20,249,325} \) \( \text{13,980,059} \) \( \text{17,398,059} \) \( \text{12,593,398} \) \( \text{17,705,496} \)
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW. 959, OL2N (OK1FDR). 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI. 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, S530 242, YA38 (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 881, KRBO/1 12, SINGLE OPERATOR – LOW POW, ALL BAND  *VE3DZ/VP9 7,152, "YNLGY (KGGY) 1,724, "NYLGY (KGGY) 4,744, "NV1N (N1UR) 3,592, "LY9A 3,413, "RY9CX 3,3330, "W3EF 2,955	777 *UTXXX	514,167 453,690 444,644 409,705 363,025 350,124 318,600  2 132,508 120,269 119,892 118,146 105,185 99,009 76,121 58,293 31,824  OR - ORP ID 1,238,895 1,227,440 1,123,344 1,084,907 1,066,725 996,326 842,620 822,829 735,042  2 88,323 25,092 10,773 3,792 2,009	EA5FID. PA3EWP. UA9HR. YO5BBO. SP2JMB.  14 MHz ZY7C (PYBAZT). RZ9HT HA9PP RX6AM. RO90 (RZ9OO).  7 MHz YU1LA. OE3I (OE3DSA). HG3A (HA3MO). M7A (LY4Y). LZ7J (LZ1CL).  3.5 MHz S56X. HA3LI. LY7M. YT6T (YU7CM) DR7T (DL1HCM)  1.8 MHz S57M. DLØMB (DF2UU) RA6CZ. SINGLE OPERATOR LOW POWE ALL BANE *9A3XV. *CE4CT (XQ4CW) *N2BA *OK1TA. *UY7C. *S54X		OO5M (ON5ZO)	3,374 7,500  M CS9L  CS9L  4,580 CAN  4,558 RU1A  4,558 RU1A  ES9C  7,424 E7DX  6,644 OM7M  3,052 OG6A  M T T 7,698 OLØW  7,7698 OLØW  7,141 HG1S  KD4D/3  DO4W  7,141 HG1S  A,358 NH7O  2,524 KL7RA  XM7SV  NT  M Q 2,900 WE3C  XM7SV  WT  A 2,900 WE3C  1,742 ZW5B  3,300 U17J  MM Q 4,752 NRAM  6,632 DFØSAX  4,009 LY7A  1,741 MA  2,900 WE3C  1,742 ZW5B  3,300 U17J  MA  4,752 NRAM  6,632 DFØSAX  4,009 LY7A  1,744  1,7	MULTI-OPERATOR
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3MM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW 959, OL2N (OK1FDR) 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI. 524,  1.8 MHz  LY2IJ 299, OL1A 288, HABBE 285, S53O 242, 9A3B (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 881, KBPO/1 12, SINGLE OPERATOR – LOW POW ALL BAND  *VE3DZ/VP9 7,152, *YM3D (TA3D) 5,092, *YM2GY (K9GY) 4,744, *NV1N (N1UR) 3,592, *LY9A 3,413, *RY9CX 3,3330, *W3EF 2,950, *OL6P (OK2WTM) 2,859,	777 *UTTXX 790 *LY1000CW (LY3CW) 790 *LY2GW 790 *YL5W 791 *YL3GFX 88 *SO5M 88 *SO5M 80 *UR3LPM *EU1AI 66 **1.8 MH** 64 *HABIB 29 *TA2RC 74 *TA2RC 75 *OK67 (OK2PTZ) 76 *E79Z 77 *OM5FA 78 *OM5FA 79 *UTST 79 *USST 79 *USST 79 *USST 70 *UA6AX *ER2RM 71 *SINGLE OPERAT ALL BAN 404A 71 *QST 72 *QST 73 *QST 74 *QST 75 *QST 76 *QST 77 *QST 78 *QST 79 *QST 70 *QST 70 *QST 70 *QST 70 *QST	31, 14, 167 31, 473, 690 31, 474, 644 318, 600 3	EA5FID		O05M (ON5ZO)	3,374 7,500  M CSPL  CSP	MULTI-OPERATOR
YT5A (YU1EA). 5,541, 9A5W 5,166, YK6AA (VK2IA) 5,001, ZF2DO (N5DO) 4,712, 9A8A 4,505, 9A3Y 3,185, OK1Z (OK1DKZ) 3,051,  3.5 MHz  9A1CCY (9A3NM) 1,808, RW2F (UA2FB) 1,612, OK2BYW 1,396, YT4T. 1,202, SMØW. 959, OL2N (OK1FDR). 844, SP5KCR (SP5JTF) 752, 9A8M (9A7DM) 638, KH6ND 596, OK1NI. 524,  1.8 MHz LY2IJ 299, OL1A 288, HABBE 285, S530 242, YA38 (9A2VR) 236, LZ4TX 167, YO5AJR 129, SP6AEG 113, LY1CM 881, KRBO/1 12, SINGLE OPERATOR – LOW POW, ALL BAND  *VE3DZ/VP9 7,152, "YNLGY (KGGY) 1,724, "NYLGY (KGGY) 4,744, "NV1N (N1UR) 3,592, "LY9A 3,413, "RY9CX 3,3330, "W3EF 2,955	777 *UTTXX 790 *LY1000CW (LY3CW) 790 *LY2GW 790 *YL5W 791 *YL3GFX 88 *SO5M 88 *SO5M 80 *UR3LPM *EU1AI 66 **1.8 MH** 64 *HABIB 29 *TA2RC 74 *TA2RC 75 *OK67 (OK2PTZ) 76 *E79Z 77 *OM5FA 78 *OM5FA 79 *UTST 79 *USST 79 *USST 79 *USST 70 *UA6AX *ER2RM 71 *SINGLE OPERAT ALL BAN 404A 71 *QST 72 *QST 73 *QST 74 *QST 75 *QST 76 *QST 77 *QST 78 *QST 79 *QST 70 *QST 70 *QST 70 *QST 70 *QST	31, 14, 167 31, 473, 690 31, 474, 644 318, 600 3	EA5FID. PA3EWP. UA9HR. YO5BBO. SP2JMB.  14 MHz ZY7C (PYBAZT). RZ9HT HA9PP RX6AM. RO90 (RZ9OO).  7 MHz YU1LA. OE3I (OE3DSA). HG3A (HA3MO). M7A (LY4Y). LZ7J (LZ1CL).  3.5 MHz S56X. HA3LI. LY7M. YT6T (YU7CM) DR7T (DL1HCM)  1.8 MHz S57M. DLØMB (DF2UU) RA6CZ. SINGLE OPERATOR LOW POWE ALL BANE *9A3XV. *CE4CT (XQ4CW) *N2BA *OK1TA. *UY7C. *S54X		OO5M (ON5ZO)	3,374 7,500  M CSPL  CSP	MULTI-OPERATOR

USA TOP SCORES							
SINGLE OPERATOR – HIGH POWER ALL BAND	NR60 (N6R0)9,240 W9IND1,860	SINGLE OPERATOR – QRP ALL BAND	<b>14 MHz</b> W4CU672,819	TRIBANDER/SINGLE ELEMENT LOW POWER			
KC3R (LZ4AX)9,597,400		N7IR597,893	N6JV293,094	ALL BAND			
AK1W (K5ZD)9,260,843	SINGLE OPERATOR – LOW POWER	NAØCW (NØKE)474,456	KØBX15,540	*NR3X/4 (N4YDU)1,752,894			
WC1M9,103,680	ALL BAND	WA8WV408,640	K4EDI7,224	*WD4AHZ1,689,540			
AA3B	*NV1N (N1UR)3,592,587	KT8K		*N2BA			
WM3T (N3KS)7,151,560 AD4J (K3ZM)6,384,784	*W3EF2,950,275 *WJ9B/42,738,694	AA1CA291,760 W4Q0264,470	7 MHz	*KZ9O1,287,018			
KT5J (N2IC)6,352,988	*K9QVB2.494.410	NN7SS (K6UFO)221,496	NN4N (W4ARM)341,784	*NA4K1,287,018			
NY6N (N6MJ)6,104,797	*K2PS2,306,963	K1SM216,591	AA4VV215,922	*K4IE			
NY4A (N4AF)6,011,330	*WK2G/42,047,104	WI1G109.025	K3MQ181,196	*KV8Q1,084,824			
KM7W (N6TR)5,421,090	*NR3X/4 (N4YDU)1,752,894	W5JBV/493,939	W2IRT85,644	*NO3M1,074,479			
	*WD4AHZ1,689,540			*WN6K840,042			
28 MHz	*WD5K1,582,105	28 MHz	SINGLE OPERATOR ASSISTED				
WN1GIV/4 (N4BP)296,485	*WV7Q (N7WA)1,340,583	N6WG1,508	LOW POWER	MULTI-OPERATOR			
W5VX28,290			ALL BAND	SINGLE-TRANSMITTER			
	28 MHz	21 MHz	*N2BA1,666,170	ALL BAND			
21 MHz	*NA4W (K4WI)8,908	WA6FGV10,218	*W3FW1,160,082	K1LZ12,754,560			
NM5M969,285	*N2WN/48,120 *N3UA/42,184		*NS4SN (W4IX)960,890	NG3R9,072,530			
NJ4U594,450	N3UA/42,184	14 MHz	*AA4FU719,831	KT3Y/49,010,276			
KZ5J170,100	21 MHz	K3TW82,782	*K4FPF692,265	KY4F6,632,010			
N6ND27,750	*WB4TDH252,800	NU4B81,030	*WK5X/4621,338	NQ2F6,543,449			
4.4.5411-	*KU5B119,475	NT1A38,088	*K3WJV447,913	KX7M/66,488,498			
14 MHz	*KE7DX12,905	N5WLA37,204	*WA3KYY405,854	WR3Z6,044,074			
KQ2M/15,348,477 WØUA3,139,745	*K7MH7,704	W8EH36,400	*N4KG332,123	W7VJ5,165,370			
NR5M (K5GA)3,060,828			*KZ3M280,194	NM7D4,329,133 AJ9C3,846,964			
K90M2,119,019	14 MHz	7 MHz		AJ90,3,040,904			
N8BJQ2,050,428	*N2MM1,098,045	NE6M30,076	28 MHz				
AB7E1,558,050	*WA1FCN/4982,311	3.5 MHz	*N4NM7,504	MULTI-OPERATOR			
K4FJ1,207,568	*NG9T/8 (K8IR)	W8QZA/Ø2,880		TWO-TRANSMITTER			
NØAT971,432	*K7HBN315,076	W0QZAVD2,000	14 MHz	All BAND			
KR2AA951,096	*KM6Z252,492 *K3GW178,461	SINGLE OPERATOR ASSISTED	*KJ9A349,125	KD4D/313,809,375			
N2NC860,700	*NWØDX (KØIO)120,085	HIGH POWER	*WM6A (K6TA)114,898	NN5J11,152,400 WW4E10,047,840			
	*WA2VQV/3105,222	ALL BAND		NZ1U7,451,520			
7 MHz	***************************************	WK1Q (K1MK)5,796,895	TRIBANDER/SINGLE ELEMENT	WX5S/65.777.880			
K9NW2,331,744	7 MHz	K3WW5,484,950	HIGH POWER	NK7U4,852,802			
WA1Z	*W2EG1,008,830	WW2DX5,397,492	ALL BAND	,,202,002			
W9/UY5LW1,169,649	*WB8JUI435,015	W8MJ4,465,120	KR4Z (N4PN)3,908,800	MULTI-OPERATOR			
WX9U968,072 W7IJ757,358	*AB1J241,542	NN3L (N3RS)3,768,720	K4BAI3,277,260	MULTI-TRANSMITTER			
AB9H535,074	*AA5B105,608	NS1S/4 (K1ZZI)3,220,480	WN2O (N2GC)3,248,232	ALL BAND			
K9MUG/4416,353	*KA9084,900	W5WMU2,798,643	W1CU2,593,020	WE3C21.910.252			
17,110,000	*KE1F/436,340	W2YC2,732,240	KN6DV/22,517,798	NR4M			
3.5 MHz	3.5 MHz	NO2R2,700,130 ND9E2,552,000	AB3CX/22,442,242	NØNI8,390,088			
W3BGN419,869	*KI3O/44,606	ND7L2,332,000	NM50 (N5NU)2,128,780	WX3B3,814,290			
KØRF330,624	*N9TF2.484	28 MHz	N1WR/32,081,340	WQ2N3,054,854			
W3NO154,400		W9SE8,614	NF4A				
	1.8 MHz		N3UM2,004,080	*Low Power			
1.8 MHz	*WI4R962	21 MHz					
K8PO/112,449	*K4WI725	KC4HW19,278					

a pre-contest goal of 500 Qs and I'm really happy I made it. This is my second WPX CW and I feel I improved a lot since last year." The trophy for top USA Rookie is sure to look good on his shack wall.

The overlay categories were open only to single operators this year. For 2010 they will return to allowing both single operator and single operator assisted entries.

#### **Multi-Operator**

As always, the Multi-Operator Single-Transmitter category produced some impressive scores. The three-operator team of DL5AXX, DL8WAA, and SV1RP operated CS9L to first place with over 20-million points. Another three-op team (5B4AGM, 5B8AD, UA9CDV) operated from C4N on Cyprus to finish second. The group at RU1A had over 2300 QSOs on 20 meters on their way to breaking the European record set back in 2001 by over 20%. Fourth place went to the team at K1LZ, who replaced the USA record also set back in 2001. The battle for second place in Europe was very close with ES9C, E7DX, OM7M, and OL3Z all within ten percent of one another.

The Multi-Operator Two-Transmitter category pitted two very strong teams against each other. The claimed scores between OLØW and 9A8ØØVZ were less than 0.1% apart! When the log checking was done, the OLØW group came out on top by just 100k points. Both groups did a fantastic job with just four operators each. Third place went to C4I, who set a new Asia record. KD4D/3 in fourth was the top USA score. NH7O, KL7RA, and XM7SV all had great efforts to make the Top Ten box.

WE3C set a new USA record on the way to the world high score for the Multi-Operator Multi-Transmitter category. The only other time this has happened from the USA was in 2003 by NY4A. The team at ZW5B struggled with poor conditions to finish a close second. UU7J had the highest number of contacts and prefixes in finishing third. EA8URL replaced the record score for Africa established back in 1997.

#### Club Competition

There were 124 clubs from around the world that met the requirement of three or more logs to be listed in the results. The highest club score came from the Bavarian Contest Club (BCC) in southern Germany. Its 204 entries help generate lots of activity on the bands for all of us. The Rhein Ruhr DX Association (RRDXA) passed the Araucaria DX Group from Brazil for second place by only 300k points!

The Potomac Valley Radio Club (PVRC) scored an impressive win over the 56 USA clubs that submitted three or more member logs. The Yankee Clipper Contest Club (YCCC) took second over a strong points-per-log effort by arch rival Frankford Radio Club (FRC).

There were more than 190 other clubs that did not meet the three-log minimum to be included in the listing. Some club scores were lowered this year as the new distance rule was enforced. A full breakdown of all club scores can be found on the <cgwpx.com> website.

#### **Final Thoughts**

We are pleased to announce that the results now include separate listings and awards for each Russian call area. This is in recognition of the increase in participation and log submissions from Russia. There are a lot of people working to help make the CQ WPX Contest such a success. Thanks to K2DSL, N8RA, NJ1F, W1KM, W1KQ, W1TO, W1UE, W1ZT, W2JU, WA1Z, and W01N for their help in typing all of the paper logs. F6BEE maintains the score records. W5GN does a great job handling the certificates and K1DG does the same for the plaques. The quality of the results wouldn't be possible without the software talents of K1EA.

For expanded results, including operators of multi stations and expanded QRM, visit the CQ website at :<www.cq-amateur-radio.com>.

The 2010 WPX CW Contest will be held on May 29 and 30. There are a number of rule changes for the 2010 contest, so please read the rules very carefully. Visit the frequently-

asked questions page on the CQ WPX Contest website (www.cqwpx.com). Please submit your WPX CW logs by e-mail to <cw@cqwpx.com> before June 27, 2010.

73, Randy, K5ZD

#### QRM

I was using for this contest a 4-el OWA Yagi but condx were very very poor. Most of the time I was listening to 20 meters waiting for band opening on 15. ... 3G1X. Radio finals got busted due to old age. Although SWR is 1.2 to 10–40 meters. ... 4D1N. Working Australia 10,000 miles with only 2 watts. That's wow! TNX, mate. ... 5Q8A. FT-840 (50W), whip at 11-floor balcony of apartment. Cycle 24 may be started slowly! ... 7K1EQG. Excellent propagation on 40 meters, but with lot of statics. ZL stations were workable at least 3 hours after sunrise and 3 hours before sunset. ...

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9A7T. The bands were much better than they have been recently. 20m was open almost round the clock and there was even a good opening on 10m. Many thanks to the organisers. 73 from Borneo to all participants! ... 9M6XRO. Great contest. Was able to participate more than I thought I would and less than I would have liked. ... AE5X. Had a fun time. I wish I'd had more time to participate. ... AF9J. Condx were not so good, but enjoyed doing contest from tropical island. ... AHØAA. This contest got me back on CW for the first time in 21 years. ... AI5G. Started out with no plan. Just wanted to operate. Got hooked and then couldn't stop. ... AK1W. I had to work Saturday morning so I missed a lot of time. However, I gave the prefix and enjoyed a good weekend. See u all next WPX! .. CO8ZZ. My second CQ WPX CW. Glad to see all the bands open. My goal was to increase last year's score. Goal achieved! Thanks to CQ for organizing amazing contests. ... CT1ENQ. Another excellent contest. I had great fun doing contest despite my modest setup. Next year I will be again and with better setup, I hope, hi. ... CU3HQ. First time ever more than 1.5K QSOs in a contest with just one single wire dipole antenna. Almost 70 years of age: Who says you are beyond the prime of your life, hi. Thanks for a great contest, enjoyed it a lot! ... DJ3WE. 60th Anniversary of SOS Childrens Villages. ... DL60CHILD. First participation. Very good operators and very fun contest. ... **EA2BVV**. This was my first WPX CW and I worked many new DXCC on all bands. See you the next year I hope to learn and study more CW because now I'm a poor CW operator. See you in other contests. EC1KR. QRP entry (5W), mono-band (20m) dipole located under the roof, and a lot of QRN. Anyway, great time during this contest even if 99% of my Qs are European ones, which turned my WPX CW into kind of WAE! ... F5PBL. Someone turned on a switch somewhere. Are the good times back? ... GØMTN. Watching the score accelerate every time you work a new prefix multiplier is part of the fun of the WPX CW Contest! ... G3TXF.Using straight key, no computers! ... GI4BQI. Improved my score from last year despite pathetic conditions on Saturday. Impressed by the performance of my Bi-Square allowing me contacts into PY and LU using just 5 watts. 10m was dead most of Saturday and Sunday evening only coming to life again at 11:50 PM. Typical! ... GM4UBJ. First airing of the new contest call for the Dragon ARC here in North Wales. Decent conditions on Saturday but very quiet during daylight hours on Sunday; things really

**EUROPE TOP SCORES** 

VDOA (VOOMAA)

opened up after sunset however and the final 2 hours of the contest were buzzing! ... GW6W. Enjoyed the contest very much though the claimed score is much less than it was last year. Maybe the propagation can be blamed and me, having not been on the top, too. Many thanks for Qs, see you next time! ... HA2MN. I could listen and work stations from East Coast by 5 watts QRP + short mobile whip (Lakeview 20m Hamstick on mag mount)! Propagation was amazing! This was a contest expedition to Honduras by UA3AGW. ... HQ2R. The usual tropical thunderstorms caused QRT numerous times. 10m openings to EU were surprising. Maybe there is hope for this cycle after all. 80 was disappointing with very high noise levels. ... HSØZDY. Very nice contest. First time SOAB full time, great fun! ... IO4T. The condition was open for Europe from evening in Japan. I'm very pleased to be able to contact with European hams! ... JA7YCQ. Great opening 0200Z Sunday over the pole to many UA and UA9 stations. Just like fishing in a barrel! KØBX. My last hurrah from this QTH. Moving to DC but without the tower and antennas, so you'll have to dig me out of the mud for that DC mult. Thanks to all for a great run. ... K2PS. Six-foot black snake crawled in radio room at 11PM Sat. nite. Very exciting! ...

CINCLE ODEDATOD LUCII DOM	- C
SINGLE OPERATOR – HIGH POW ALL BAND	ER S
CU2X (OH2UA)10,208,0	)16 *L'
CU2X (OH2UA)10,208,0 RS3A (RA3CW)7,834,5	40 *0
S5ØA6,988,0	186 *G
DL3YM6,511,4 RM3F (UA3DPX)6,488,6	28 *S 73 *E
RG6G (RW6HX)6,371,0	
LY9Y6.358.4	50 *S
OG8X (OH6UM)6,232,0 YT5W (YU8A)6,226,8	000 *L
S53MM6,226,8	196 *R 159 *D
333141141	137 D
28 MHz	
UW1M (UR5MW)481,1	00 *9. 20 *U
E730446,2 E73C395,2	!20 "U !00 *Y
AO3T (EA3AKY)388.4	76 *U
AO3T (EA3AKY)	44 *R
OQ5M (ON5ZO)143,3	374 *R
21 MHz	
YTØZ1,392,2	!52 *Y
HG3R (HA3NU)1,325,0	88 *E'
YL2SM	36 *U
YU1KX944,8	377 *Z 40 *E
RZ3TZZ (UA3TW)509,2 UR6IJ331,8	140 E
	.,,
14 MHz	
IU9T (IT9GSF)4,405,4	44 *Y 00 *H
9A9A3,950,1 S5ØK3,407,7 YT9A3,313,2	'68 *S
YT9A3,313,2	.42 *J
YU1FI	.04 *F
UY5ZZ (UY5ZZ/A)2,624,1 OL8M2,500,3	28 *S
OE388AD (OUETS) 2.102.7	102
OF2ØØAD (OH5TS)2,193,7 YT7DO2,055,8	31 372 *9.
YT7DQ2,055,8 EF7R (EA7AJR)1,883,0	52 *É
	*S
7 MHz	*U
CT1JLZ (OK1RF)6,075,9 YT5A (YU1EA)5,541,7	
9A5W5,166,9	
9484 4 505 4	54
9A3Y3,185,8 OK1Z (OK1DKZ)3,051,5	68
OK1Z (OK1DKZ)3,051,5 YL3FT3,028,4	52 *E 80 *0
SK3W (SM5IMO)3,006,2	.50 *U
eneri (emenile)	*L'
3.5 MHz	*L
9A1CCY (9A3NM)1,808,4	66 *Y
RW2F (UA2FB)	29
YT4T1,202,6	
SMØW 959 4	54 *V
OL2N (OK1FDR)844,3	158 *E
SP5KCR (SP5JTF)752,5 9A8M (9A7DM)638,7	i24 *0 '48 *U
/AUN (7A/DIN)038,/	40 U *Y
1.8 MHz	
LY2IJ299,6	
OL1A (OK1CW)288,3 HA8BE285,7	158 162 40
S530 242 A	

242,490

236,989

.167,560 .129.717

S530 ..... 9A3B (9A2VR)

LZ4TX

YOSA IR

SP6AEG

SINGLE OPERATOR – LO	W POWER	
ALL BAND		
*LY9A	3,413,552	
*OL6P (OK2WTM) *GJ3WW	2,859,392	
*S51F	2.415.235	
*EU2MM *UT7NW	2,115,390	
*UT7NW	2,104,752	
*S520P *LY4T	1 927 485	
*DNI4\\/\	1 050 204	
*DD5M (DJØZY)	1,823,955	
28 MHz		
*9A3VM	276,963	
*US5XD	192 945	
*YR8A (YO8AXP) *UA3QG	183,680	
*RX6AH	103,000	
*RX3BP	100,083	
21 MHz		
21 MHz *YR8B (Y08D0H)	517 409	
*EW6AF* *UA2FL	278,641	
*UA2FL	253,618	
*Z31MM	248,159	
*Z31MM *EI4CF *LZ2JA	237,976	
14 MHz	4.050.004	
*YU2A *HG4F		
*S53F	1,484,440	
*S53F* *J41E (SV1BJW)	1,320,960	
*EU1CL* *S57U	1,319,937	
30/U	1,000,505	
7 MHz		
*9A7T (9A2EU)	1,944,940	
*ER3DX*S54A		
*UU2CW	1,208,232	
*LZ1GL	1,196,184	
*SP5CNA* *SP6OJE	1,121,320	
31 003E	1,034,070	
3.5 MHz	104105	
*E77C*OL4W (OK1IF)	630 585	
*UT7XX	598,858	
*UT7XX *LY1ØØØCW (LY3CW) *LY2GW	514,167	
*LY2GW	453,690	
*YL5W	444,044	
1.8 MHz		
*HA8IB	132,508	
^YI4A *F707	119,892	
*YT4A* *E79Z* *OK6Y (OK2PTZ)	105,145	
*UX5NQ	99,009	
*YT1T	76,121	
SINGLE OPERATOR	– ORP	
ALL BAND		
404A	1,238,895	
OK3C (OK27C)	1,227,440	
OK7CMOK3C (OK2ZC)US2IZ	1,066,725	
RA3AN	906,326	

RW3AI	YP8A (Y08WW)	
## F5VBT	RW3AI	735,042
28 MHz  ER1RR	F5VRT	084,301 607 221
ERIRR	13401	007,220
F8AKC. 10.77:  SP5DDJ. 3,792  21 MHz  SP4GFG. 58,606  SP4JFR. 24,200  OK1AIJ. 5.886  14 MHz  I0UZF. 298,02: LZTVB. 279,65- LZTMG. 208,86- A07AAW. 201,66- RW6FZ. 157,096  7 MHZ  YP6C. 903,49: DL1DOY. 5.19,36! F5UL. 292,000  HAØCK. 181,40- G4DBW. 109,746  3.5 MHz  OK1FKD. 199,876 9A9I. 45,02- OK1WF. 44,016 SM5OUU. 31,088  SP4GL. 165,72: SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IRAX (IZ3EYZ). 9,160,476 LZBE (LZ2BC). 7,286,538 F73M. 7,020,878 DL3TD. 6,804,672 LY8O. 6,582,399 G1A (MØDXR). 6,320,166 SS9ABC (SS1DS). 5,704,922 OK7M (OK1DIG). 5,637,618 UAGLU. 5,444,692 YR9P (Y09HP). 4,918,257  28 MHz  S57AW. 403,52- 9AZU (9A3ZA). 302,164 YZZT. 255,644 OH4MDY. 140,544 HABTP. 135,156  21 MHz  EASFID. 384,586 PA3EWP. 307,197 YOSBBO. 189,044 SP2JMB. 182,926 ONGNIL. 112,776  14 MHz	28 MHz	
21 MHz	ER1RR	25,092
21 MHz	F8AKC	10,773
\$\text{SP4GFG}\$	SP5DDJ	3,792
\$\text{SP4GFG}\$	21 MH-	
14 MHz	SDACEC	50 600
14 MHz	SP4 IFR	24 200
14 MHz  IØUZF 298,021 LZTVB 279,65- LZTIMG 208,867 AO7AAW 201,666 AO7AAW 201,666 RW6FZ 157,096  7 MHz  YP6C 903,499 DL1DQY 519,366 F5UL 292,000 HAØGK 181,401 G4DBW 109,746  3.5 MHz  OK1FKD 199,876 9A9L 45,020 OK1WF 44,011 SM50UU 31,088  1.8 MHz ES1CW 34,488 SP4GL 16,579 SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IR4X (IZ3EYZ) 9,160,470 LZ8E (LZ2BE) 7,286,538 F73M 7,020,877 DL3TD 6,804,672 LY80 6,582,390 G1A (MØDXR) 6,320,166 S59ABC (SS1DS) 5,704,922 OK7M (OK1DIG) 5,444,692 YR9P (YO9HP) 4,918,251  28 MHz  S57AW 403,524 9AZU (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,544 HABTP 135,150  21 MHz  EASFID 384,586 PA3EWP 307,197 YOSBBO 189,044 SP2JMB 182,920 ON6NL 112,776	OK1ALI	5 880
IOUZF		
LZTIVB 279,65: LZTIMG 208,86' AO7AAW 201,66: RW6FZ 157,090  7 MHZ  YP6C 903,49! DLTDOY 519,36! F5UL 292,000 HAØGK 181,40' G4DBW 109,740  3.5 MHZ  OK1FKD 199,870 9A9L 45,02' OK1WF 44,01! SM50UU 31,080  1.8 MHZ  ES1CW 34,48! SP4GL 16,579  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IRAX (IZ3EYZ) 9,9160,470 LZBE (LZZBE) 7,286,538  F73M 7,020,878 DL3TD 6,804,673 LY8D 6,582,390 G1A (MØDXR) 6,320,160 S59ABC (SSTDS) 5,704,922 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (YO9HP) 4,918,25'  28 MHZ  S57AW 403,524 9AZU (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,54' HABTP 135,150  21 MHZ  EASFID 384,588 PA3EWP 307,192 VOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776  14 MHZ	14 MHz	
LZTIMG 208.86' AO7AAW. 201.66' RW6FZ 157.09'  T MHz  YP6C 993.49' DL1DOY. 519.36' F5UL 292.00' HAØGK 181.40' G4DBW 109.74'  3.5 MHz  OK1FKD 199.87' 9A9L 45.02- OK1WF 44.01' SM50UU 31.08' SM50UU 31.08' SM50UU 31.08' SM50UU 31.08' SM6UE OPERATOR ASSISTED HIGH POWER ALL BAND  IRAX (IZ3EYZ) 9.160.47' LZSE (LZ2BE) 7.286.53' F73M 7.020.87' DL3TD 6.804.67' LY80 6.582.39' G1A (MØDXR) 6.320.16' S59ABC (S51DS) 5.704.92' OK7M (OK1DIG) 5.637.61' UAGLU 5.444.69' YR9P (Y09HP) 4.918.25'  28 MHz  S57AW 403.52' 9AZU (9A3ZA) 302.16' YT2T 255.64' OH4MDY 140.55'  CAMPA  EASFID 384.580 PA3EWP 307.19' YOSBBO 189.04' SP2JMB 182.92' ONGNIL 112.776'	IØUZF	298,02
A07AAW. 201,66: RW6FZ. 157,090  7 MHz  YP6C. 903,499 DL1DQY. 519,369 F5UL 292,000 HAØGK. 181,40' G4DBW. 109,740  3.5 MHz  OK1FKD. 199,870 9A9L 45,020 OK1WF. 44,011 SM50UU 31,080  1.8 MHz  ES1CW. 34,488 SP4GL 16,579  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IR4X (IZ3EYZ) 9,160,470 LZ8E (LZ2BE) 7,286,538 F73M 7,020,879 DL3TD 6,6320,160 S59ABC (S51DS). 5,704,922 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (Y09HP) 4,918,25°  28 MHz  S57AW 403,524 9A2U (9A3ZA) 302,166 YT2T 255,644 OH4MDY 140,54° HABTP 135,150  21 MHz  EASFID. 384,586 PA3EWP 307,197 VOSBBO 189,045 PSP2JMB 182,902 ON6NL 112,776	LZ1VB	279,654
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7 MHz  YP6C	AU/AAW	201,00
YP6C 903, 49t DLTDQY 519, 36t F5UL 292,000 HAØGK 181, 40' G4DBW 109, 746  3.5 MHz  OK1FKD 199,87' 9A9L 45, 022 OK1WF 444,016 SM50UU 31,08t  1.8 MHz  ES1CW 34,48t SP4GL 16,57'  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IRAX (IZ3EYZ) 9,160,47' LZ3E (LZ2BE) 7,286,538 F73M 7,020,87' DL3TD 6,804,67' LY80 6,582,39' G1A (MØDXR) 6,320,16' S59ABC (S51DS) 5,704,92' OK7M (OK1DIG) 5,637,618 UA6LU 5,444,69' YR9P (Y09HP) 4,918,25'  28 MHz  S57AW 403,52' 9AZU (9A3ZA) 302,16' YZ2T 255,640 OH4MDY 140,54' HABTP 135,150  21 MHz  EASFID 384,580 PA3EWP 307,19' YOSBBO 189,04' SP2JMB 182,92' ONONNIL 112,770	KWUFZ	137,090
YP6C 903, 49t DLTDQY 519, 36t F5UL 292,000 HAØGK 181, 40' G4DBW 109, 746  3.5 MHz  OK1FKD 199,87' 9A9L 45, 022 OK1WF 444,016 SM50UU 31,08t  1.8 MHz  ES1CW 34,48t SP4GL 16,57'  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IRAX (IZ3EYZ) 9,160,47' LZ3E (LZ2BE) 7,286,538 F73M 7,020,87' DL3TD 6,804,67' LY80 6,582,39' G1A (MØDXR) 6,320,16' S59ABC (S51DS) 5,704,92' OK7M (OK1DIG) 5,637,618 UA6LU 5,444,69' YR9P (Y09HP) 4,918,25'  28 MHz  S57AW 403,52' 9AZU (9A3ZA) 302,16' YZ2T 255,640 OH4MDY 140,54' HABTP 135,150  21 MHz  EASFID 384,580 PA3EWP 307,19' YOSBBO 189,04' SP2JMB 182,92' ONONNIL 112,770	7 MHz	
DLTDOY. 519,36! FSUL 292,000 HAØGK 181,40 G4DBW 109,746  3.5 MHz  OK1FKD 199,870 9A9L 45,022 OK1WF 44,011 SM50UU 31,088  1.8 MHz  ES1CW 34,48! SP4GL 16,57!  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IRAX (IZ3EYZ) 9,160,470 LZ8E (LZ2BE) 7,286,538 E73M 7,020,877 DL3TD 6,680,467: LY80 6,582,399 G1A (MØDXR) 6,320,166 SS9ABC (SS1DS) 5,704,922 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 VAPP (YO9HP) 4,918,25*  28 MHz  S57AW 403,52- 9A2U (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,54* HABTP 135,156  21 MHz  EASFID 384,586 PA3EWP 307,197 VOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776	YP6C	903,495
3.5 MHz OK1FKD 199,876 9A9L 45,020 OK1WF 44,011 SM50UU 31,086  1.8 MHz ES1CW 34,481 SP4GL 16,575  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IR4X (IZ3EYZ) 9,160,476 LZ8E (LZ2BE) 7,286,538 E73M 7,020,877 DL3TD 6,820,675 LY80 6,582,390 G1A (MØDXR) 6,320,166 S59ABC (S51DS) 5,704,922 OK7M (OK1DIG) 5,637,618 UAGLV 5,444,692 YR9P (Y09HP) 4,918,257  28 MHz S57AW 403,524 9AZU (9A3ZA) 302,166 YZTZT 255,644 OH4MDY 140,544 HABTP 135,156  21 MHz EASFID 384,586 PA3EWP 307,179 VOSBBO 189,044 SP2JMB 182,926 ON6NL 112,776	DI 1DOV	510 36
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3.5 MHz OK1FKD 199,876 9A9L 45,020 OK1WF 44,011 SM50UU 31,086  1.8 MHz ES1CW 34,481 SP4GL 16,575  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IR4X (IZ3EYZ) 9,160,476 LZ8E (LZ2BE) 7,286,538 E73M 7,020,877 DL3TD 6,820,675 LY80 6,582,390 G1A (MØDXR) 6,320,166 S59ABC (S51DS) 5,704,922 OK7M (OK1DIG) 5,637,618 UAGLV 5,444,692 YR9P (Y09HP) 4,918,257  28 MHz S57AW 403,524 9AZU (9A3ZA) 302,166 YZTZT 255,644 OH4MDY 140,544 HABTP 135,156  21 MHz EASFID 384,586 PA3EWP 307,179 VOSBBO 189,044 SP2JMB 182,926 ON6NL 112,776	HAØGK	181,40
OKTFKD 199,876 9A9L 45,020 VKTWF 44,011 SM50UU 31,088	G4DBW	109,746
OKTFKD 199,876 9A9L 45,020 VKTWF 44,011 SM50UU 31,088	2 F MII-	
9A9L 45,02- OK1WF 44,016 SM50UU 31,081  1.8 MHz  ES1CW 34,481 SP4GL 16,571  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IRAX (IZ3EYZ) 9,160,470 LZ8E (LZ2BE) 7,286,538 E73M 7,020,878 DL3TD 6,804,671 LY8O 6,582,399 G1A (MØDXR) 6,320,166 S59ABC (S51DS) 5,704,920 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (Y09HP) 4,918,257  28 MHz S57AW 403,52- 9AZU (9A3ZA) 302,166 YZZT 255,640 OH4MDY 140,544 HABTP 135,150  21 MHz EASFID 384,580 PA3EWP 307,197 VOSBBO 189,045 SP2JMB 182,920 ONGNL 112,776		100 970
OKTWF 44,014 SM50UU 31,086  1.8 MHz  ES1CW 34,488 SP4GL 16,578  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IR4X (IZ3EYZ) 9,160,470 L75E (L72BE) 7,286,538 E73M 7,020,876 DL3TD 6,6804,677 LY80 6,582,390 G1A (MØDXR) 6,320,160 S59ABC (SS1DS) 5,704,922 OK7M (OKTDIG) 5,637,618 UA6LV 5,444,692 VR9P (Y09HP) 4,918,255  28 MHz  S57AW 403,52- 9A2U (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz  EASFID 384,586 PA3EWP 307,197 VOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776		
1.8 MHz	OK1WF	44.016
1.8 MHz	SM50UU	31,088
ESTCW 34,48t SP4GL 16,57t  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IRAX (IZ3EYZ) 9,160,47t LZBE (LZ2BE) 7,286,531 F73M 7,020,87t DL3TD 6,804,67t LY80 6,582,397 G1A (MØDXR) 6,320,16t S59ABC (SS1DS) 5,704,92t OK7M (OK1DIG) 5,637,61t UA6LV 5,444,69t YR9P (Y09HP) 4,918,25t  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,16t YZZT 255,644 HABTP 135,15t  21 MHz EASFID 384,586 PA3EWP 307,197 YOSBBO 189,045 SP2JMB 182,92t ON6NL 112,77t		
SP4GL 16,576  SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND  IR4X (IZ3EYZ) 9,160,476 LZ8E (LZ2BE) 7,286,538 E73M 7,020,877 DL3TD 6,804,672 LY8O 6,582,396 GTA (MØDXR) 6,320,166 S59ABC (S51DS) 5,704,920 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (YO9HP) 4,918,257  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,547 HA8TP 135,156  EASFID 384,588 PA3EWP 307,197 YOSBBO 189,045 SP2JMB 12,2760 ON6NL 112,776	1.8 MHz	
SINGLE OPERATOR ASSISTED HIGH POWER ALL BAND IR4X (IZ3EYZ) 9,160,47t LZ8E (LZ2BE) 7,286,53t E73M 7,020,87t DL3TD 6,6804,67t LY80 6,582,39t G1A (MØDXR) 6,320,16t S59ABC (S51DS) 5,704,922 OK7M (OK1DIG) 5,637,61t UA6LV 5,444,692 YR9P (Y09HP) 4,918,25  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,16t YTZT 255,64t OH4MDY 140,54* HA8TP 135,15t EASFID 384,58t PA3EWP 307,197 Y0SBBO 189,045 SP2JMB 182,942 ON6NL 112,776	ES1CW	34,485
HIGH POWER ALL BAND  IR4X (IZ3EYZ) 9,160,470 LZ9E (LZ2BE) 7,286,538 E73M 7,020,876 DL3TD 6,6804,677 LY80 6,582,390 G1A (MØDXR) 6,320,160 S59ABC (S51DS) 5,704,922 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (Y09HP) 4,918,25  28 MHz S57AW 403,52- 9A2U (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz EASFID 384,580 PA3EWP 307,197 Y0SBBO 189,045 SP2JMB 182,920 ON6NL 112,776	SP4GL	16,575
HIGH POWER ALL BAND  IR4X (IZ3EYZ) 9,160,470 LZ9E (LZ2BE) 7,286,538 E73M 7,020,876 DL3TD 6,6804,677 LY80 6,582,390 G1A (MØDXR) 6,320,160 S59ABC (S51DS) 5,704,922 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (Y09HP) 4,918,25  28 MHz S57AW 403,52- 9A2U (9A3ZA) 302,166 YTZT 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz EASFID 384,580 PA3EWP 307,197 Y0SBBO 189,045 SP2JMB 182,920 ON6NL 112,776	SINGLE OPERATOR AS	SSISTED
IRAX (IZ3EYZ)		
LYSU 6,588,391 G1A (MØDXR) 6,320,161 S59ABC (S51DS) 5,704,920 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (YO9HP) 4,918,257  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,166 Y72T 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz EASFID 384,581 PA3EWP 307,197 YOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776	ALL BAND	
LYSU 6,588,391 G1A (MØDXR) 6,320,161 S59ABC (S51DS) 5,704,920 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (YO9HP) 4,918,257  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,166 Y72T 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz EASFID 384,581 PA3EWP 307,197 YOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776	IR4X (IZ3EYZ)	9,160,470
LYSU 6,588,391 G1A (MØDXR) 6,320,161 S59ABC (S51DS) 5,704,920 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (YO9HP) 4,918,257  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,166 Y72T 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz EASFID 384,581 PA3EWP 307,197 YOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776	LZ8E (LZ2BE)	7,286,538
LYSU 6,588,391 G1A (MØDXR) 6,320,161 S59ABC (S51DS) 5,704,920 OK7M (OK1DIG) 5,637,618 UA6LV 5,444,692 YR9P (YO9HP) 4,918,257  28 MHz S57AW 403,524 9A2U (9A3ZA) 302,166 Y72T 255,644 OH4MDY 140,547 HA8TP 135,150  21 MHz EASFID 384,581 PA3EWP 307,197 YOSBBO 189,045 SP2JMB 182,920 ON6NL 112,776	E/3M	/,020,878
OK7M (OKTDIG)	1 000	.0,004,072
OK7M (OKTDIG)	G1A (MØDXR)	6 320 160
OK7M (OKTDIG)	S59ABC (S51DS)	5,704.920
UA6LV 5, 444,69; YR9P (Y09HP) 4,918,25°  28 MHz  S57AW 403,524  9A2U (9A3ZA) 302,166 YTZT 255,644  OH4MDY 140,54°  HA8TP 135,150°  21 MHz  EA5FID 384,588  PA3EWP 307,19; Y05BB0 189,04′ SP2JMB 182,92( ON6NL 112,776°	OK7M (OK1DIG)	5.637.618
28 MHz  S57AW 403,524 9A2U (9A3ZA) 302,164 YTZT 255,644 OH4MDY 140,54* HA8TP 135,156  21 MHz  EASFID 384,586 PA3EWP 307,192 Y0SBB0 189,045 SP2JMB 182,926 ON6NL 112,776	UA6LV	5,444,692
\$57AW 403,52-9A2U (9A3ZA) 302,16t YTZT 255,64t OH4MDY 140,54* HABTP 135,150  21 MHz  EASFID 384,580 PA3EWP 307,19; YOSBBO 189,04* \$P2JMB 122,776  14 MHz	YR9P (Y09HP)	4,918,25
\$57AW 403,52-9A2U (9A3ZA) 302,16t YTZT 255,64t OH4MDY 140,54* HABTP 135,150  21 MHz  EASFID 384,580 PA3EWP 307,19; YOSBBO 189,04* \$P2JMB 122,776  14 MHz		
9AZU (9A3ZA) 302,16t YTZT 255,64t OH4MDY 140,54* HA8TP 135,15t  21 MHz  EASFID 384,58t PA3EWP 307,19; YOSBBO 189,04: SP2JMB 182,92t ON6NL 112,77t	28 MHz	402 F2
YTZT 255,64( OH4MDY 140,54' HABTP 135,150  21 MHz  EASFID 384,58( PA3EWP 307,19; YOSBBO 189,04' SP2JMB 182,92( ON6NL 112,770	0A211 (0A27A)	302 140
OH4MDY 140,54* HA8TP 135,150  21 MHz  EASFID 384,580 PA3EWP 307,19; YOSBBO 189,04* SP2JMB 122,920 ON6NL 112,776	YT2T	255 640
21 MHz EA5FID. 384,580 PA3EWP 307,19; Y05BBO 189,04 SP2JMB 182,92; ON6NL 112,776	OH4MDY	140.54
21 MHz EA5FID. 384,580 PA3EWP 307,19; Y05BBO 189,04 SP2JMB 182,92; ON6NL 112,776	HA8TP	135.150
EASFID. 384,580 PA3EWP 307,19; YOSBBO 189,04; SP2JMB 182,92; ON6NL 112,770		
ON6NL	21 MHz	
ON6NL	EA5FID	384,580
ON6NL	PA3EWP	307,192
ON6NL112,776	LOPRRO	102,042
14 MHz	ON/ANI	182,920 112 77
HA9PP 3,000,404 RX6AM 2,987,200	OTAGINE	112,770
HA9PP3,000,404 RX6AM2,987,200	14 MHz	
RX6AM2,987,200	HA9PP	3,000,404
	RX6AM	2,987,206

UT4ZG HB9DDO F5IN	2,41 1,52 1,44	6,39 0,48 6,40	98 80 00
7 MHz YU1LA OE3I (OE3DSA) HG3A (HA3MQ) M7A (LY4Y) LZ7J (LZ1CL)	5,55 3,38 3,08 3,02	5,95 4,56 8,94 6,08	58 64 44 82 80
3.5 MHz			
S56X HA3LI LY7M YT6T (YU7CM) DR7T (DL1HCM)	1,31 86 84 57	5,14 7,14 1,94 3,80 8,00	46 41 40 06 06
1.8 MHz			
S57MDLØMB (DF2UU)RA6CZ	20 7 1	9,04 8,40 9,7	40 00 16
SINGLE OPERATOR AS LOW POWER ALL BAND	SSIST	ED	
*9A3XV	.2,38	9,20	00
*OK1TA	.1.55	0.3	74
*UY7C*S54X	.1,42	2,8	69
^OKTIC	1.21	4.9	52
*ON4CAS *LZ9R (LZ3YY) *SQ3RX	1,10	0,3 4.50	าว วา
*SQ3RX	.1,07	5,32	20
*HG8C (HA8EK) *DJ10J	1,06	3,62	28
28 MHz			
*UR5L0 *DH8BQA	13	8,38	B1
*SP5X0	4	2.63	30 32
*RA6YDX	3	2,64	40
*EA5GS	2	8,5	60
21 MHz			
*SP3GXH	9	1,59	90
*UR2VA*SP8TJU	5	4,6 3.2°	15 13
		-10	
14 MHz *YQ5Q (YO5OHO)	1 //7	0 /0	วว
*US4LGW	66	2,65	56
*YT5CWW	38	5,74	42
*SQ5FWR	29	8,73	38 20
*UA6GM	23	1,04	20
7 MHz	2.47	, ,	20
*YU6DX *HG8K	2,40 1.50	4 7	20 52
*PA4A0	1,22	2,29	92
*LY2KZ*UT3L (US5LAC)	94	1,78	87 70
3.5 MHz	35	∠,ŏ.	ıδ
*SQ1DWR	29	0,1	69
*UX6VA	6	7,39	96
*UR5IHQ *UR8IDX	6	6,4	11
*RA4H0			

TRIBANDER/SIN	CLE ELEMENT
HIGH PO	
ALL BA	AND
S53MM	6,170,859
HG8R (HA8JV) 9A5K	5,798,912 4 823 122
LY5W	3,305,148
IN3QBR	3,298,816
EV2A (EW2AA)	3,209,080
EF3A (EA3KU)	3,172,609
YL9T (YL2TW) YL8M (YL2KL)	2,522,144
UW8SM	2,516,736
TRIBANDER/SIN	GLE ELEMENT
ALL BA	AND
*GJ3WW	2,837,742
*UT7NW *DK5DO	1 762 749
*DK5DQ *OK1TA *OV3X (OZ8AE)	1,550,374
*OV3X (OZ8AE)	1,463,616
*UY7C	1,460,525
*OK2QX *S54X	1,443,488
*GØMTN	1,422,609
*UU1CC	1,222,320
MULTI-OP	EDATOD
SINGLE-TRA	NSMITTER
ALL BA	AND
RU1A	13,838,256
ES9C E7DX	11 061 200
OM7M	11.688.672
OL3Z	11,666,757
OG6A	
UZ2M	11,318,868
IR2C TMØR	9 906 465
M6T	
MULTI-OP	ERATOR
TWO-TRAN ALL B	SMITTER
OLØW	15,156,414
9A8ØØVZ	15,041,455
DQ4W HG1S	13 083 038
DL1A	10,956.855
DL1A S52ZW G6PZ	10,676,765
G6PZ	10,580,064
DLØCS OHØEC	9,945,265
LY3V	
MULTI-OP	
MULTI-TRAN	ISMITTER
UU7 I	19 992 750
LZ9W	17,398,059
LY/A	12,593,398
DFØSAX HF94KE	5 128 144
PA6Z	
E71A	1,640,650
SP5ØDXC	1,501,830

\*Low Power

# SSB & CW COMBINED CLUB SCORES

UNITED STATES	:		Club Name	Entries	Total Score
Club Name	Entries	Total Score	CENTRAL SIBERIA DX CLUB	7	9,442,123
POTOMAC VALLEY RADIO CLUB			VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB UA2 CONTEST CLUB		
YANKEE CLIPPER CONTEST CLUBFRANKFORD RADIO CLUB			CANTAREIRA DX GROUP		
NORTHERN CALIFORNIA CONTEST CLUB			DANISH DX GROUP	9	7,562,028
FLORIDA CONTEST GROUP			FOX CONTEST CLUB		
SOCIETY OF MIDWEST CONTESTERS			VK CONTEST CLUB*STAVROPOL REGION RADIO CLUB		
CENTRAL TEXAS DX AND CONTEST CLUBSOUTH EAST CONTEST CLUB	26 32	31 264 576	MICHURINSK CONTEST GROUP		
ALABAMA CONTEST GROUP			LYNX DX GROUP	3	6,428,296
TENNESSEE CONTEST GROUP			TEMIRTAU CONTEST CLUBGIPANIS CONTEST GROUP	7	6,394,915
SOUTHERN CALIFORNIA CONTEST CLUB WESTERN WASHINGTON DX CLUB			LES NOUVELLES DX		
MAD RIVER RADIO CLUB			IZMAIL RADIO CLUB	8	6,005,654
WILLAMETTE VALLEY DX CLUB	26	18,242,752	NOVOSIBIRSK CONTEST CLUB	5	5,579,830
MINNESOTA WIRELESS ASSN			GRUPO DXXETOP OF EUROPE CONTESTERS		
CENTRAL ARIZONA DX ASSOCIATIONCTRI CONTEST GROUP			MOSCOW RADIO CLUB		
HUDSON VALLEY CONTESTERS AND DXERS			LOW LAND CRAZY CONTESTERS	4	4,343,444
NORTH COAST CONTESTERS			HAROS RADIO CLUB		
GRAND MESA CONTESTERS OF COLORADO			KEMEROVO RADIO CLUBALRS ST PETERSBURG		
IOWA DX AND CONTEST CLUBOKLAHOMA DX ASSOCIATION			CE CONTEST GROUP		
LOUISIANA CONTEST CLUB			DNEPR CONTEST GROUP	3	3,666,615
NORTH TEXAS CONTEST CLUB			ARCKSASKATCHEWAN CONTEST CLUB	9	3,477,212
BORING AMATEUR RADIO CLUB			PERM RADIO CLUB	3 3	3 392 760
THUMB AREA CONTESTERS			WEST SERBIA CONTEST CLUB		
SOUTHWEST OHIO DX ASSOCIATION	4	4,018,411	YAROSLAVL CONTEST CLUB		
KANSAS CITY DX CLUB			STRUMBLE HEAD DX AND CONTEST GROUP AUSTRIAN CONTEST CLUB		
TEXAS DX SOCIETY NORTHERN ARIZONA DX ASSN			RU-QRP CLUB*		
SOUTHERN CALIFORNIA DX CLUB			CSM BAIA MARE		
MISSOURI DX/CONTEST CLUB	7	2,257,284	GRUPO PORTUGUESE DX		
UTAH DX ASSOCIATION	1 <u>1</u>	2,070,233	SP CONTEST CLUBSPORT CLUB MIERCUREA-CIUC	12	2,544,689
KENTUCKY CONTEST GROUPSPOKANE DX ASSOCIATION			SHAKHAN CONTEST CLUB		
ORDER OF BOILED OWLS OF NEW YORK	8	1,690,487	YO DX CLUB	17	2,249,276
SKYVIEW RADIO SOCIETY	6	1,506,766	SIAM DX GROUP		
NORTHERN ROCKIES DX ASSOCIATION			RADIOCLUBUL RADU BRATUTORRENT CONTEST CLUB		
STERLING PARK AMATEUR RADIO CLUB BERGEN ARA	b g	956 315	KIEV CONTEST GROUP	4	1,919,815
FALMOUTH ARA			NOVOKUZNETSK RADIO CLUB	8	1,910,114
MAGNOLIA DX ASSOCIATION	4	576,448	AMSTERDAM DX CLUB	4	1,834,923
WESTERN NEW YORK DX ASSOCIATION			BASHKORTOSTAN DX CLUBATCC		
ALLEGHENY VALLEY RADIO ASSOCIATION WEST PARK RADIOPS			POISK		
REDMOND TOP KEY CONTEST CLUB			MARCONI CONTEST CLUB	5	1,473,743
ROCHESTER (NY) DX ASSN			GUARA DX GROUPCSTA SUCEAVA		
CAROLINA DX ASSOCIATIONLOW COUNTRY CONTEST CLUB	7	394,671	ARGO	4	1 081 317
SOUTHEASTERN DX CLUB			SAMOTLOR	3	936,360
CAROLINA SHINE	5	296,779	MAYCOPSKIJ RADIO CLUB		
METRO DX CLUB			UNION FRANCAISE DES TELEGRAPHISTES JABLANIK BEARS CONTEST CLUB		
GREAT SOUTH BAY AMATEUR RADIO CLUBPORTAGE COUNTY AMATEUR RADIO SERVICE	3 4	142,238	PODOLSK		
HAZEL PARK AMATEUR RADIO CLUB	3	127,867	599 CONTEST CLUB	4	801,275
			SPEKTR	3	769,016
DX			IRKUTSK RADIO CLUBBALKAN CONTEST CLUB		628 624
BAVARIAN CONTEST CLUB	204	194,450,401	BEEMSTER CONTEST CLUB	3	603,571
RHEIN RUHR DX ASSOCIATION			KKKK CONTEST CLUB KRASNODARSKOGO KRAYA		
CONTEST CLUB ONTARIO			MEDITERRANEO DX CLUB		
CONTEST CLUB FINLAND			IVANOVO DX CLUBOBNINSK QRU CLUB		
UKRAINIAN CONTEST CLUBURAL CONTEST GROUP			RADIOCLUBUL NOSTRU DIN CONSTANTA	3	565,171
BLACK SEA CONTEST CLUB			ACTIVITY GROUP BELARUS		
CROATIAN CONTEST CLUB	32	85,611,579	DONBASS		
LU CONTEST GROUP			R4F-DX-G	4	499,958
SLOVENIA CONTEST CLUBYU CONTEST CLUB			SMOLENSK CONTEST CLUB	3	464,121
BOSNIA AND HERZEGOVINA CONTEST CLUB	18	61,102,475	VLADIMIR RADIO CLUBVORONEZH RADIO CLUB		
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB			VU CONTEST GROUP		
LZ CONTEST TEAM RUSSIAN CONTEST CLUB*			VOLYN CONTEST GROUP	6	354,239
SP DX CLUB			CS PETROLUL PLOIESTI		
LATVIAN CONTEST CLUB	36	40,658,367	LKK LVIV SHORTWAVE CLUBKRIVBASS		
SKY CONTEST CLUB			DUBNA DX CLUB		
LITHUANIAN CONTEST GROUP BRITISH COLUMBIA DX CLUB			CSM CLUJ-NAPOCA	6	248,701
HUNGARIAN DX CLUB			NANAIMO AMATEUR RADIO ASSOCIATION		
TARTU CONTEST TEAM	4	30,297,528	SERPUKHOV RADIO CLUBVERENIGING VAN RADIO ZEND AMATEURS		
CARIBBEAN CONTESTING CONSORTIUM			GRUPO ARGENTINO DE CW	4	153,150
WORLD WIDE YOUNG CONTESTERS*RIO DX GROUP			TUPY DX GROUP	4	141,430
BELARUS CONTEST CLUB	14	20,041,105	SOUTH GERMAN DX GROUP		
SOUTH URAL CONTEST CLUB			SP-CW-C		
CHILTERN DX CLUB MARITIME CONTEST CLUB			WAIKIKI AMATEUR RADIO CLUB	3	91,618
ARIPA DX TEAM			RADIO KLUB BAGDALA	4	62,228
CONTEST GROUP DU QUEBEC	11	13,998,961	* Club does not meet distance rule for all scores.		
BELOKRANJEC CONTEST CLUB			2.22 335 not most diotarios rais for all 300/63.		
VRHNIKA CONTESTERS	14	12,139,217			

K3MJW. The Russian UA/RV/RW stations really saved the day. ... KCØMO. I'd like to thank all the ops who took the time to get a QRP station, especially ZW5B and AY5F, who patiently pulled my numbers out of the ether. ... KI6OFN. Great contest. Had a bunch of fun and learned a lot. Also greatly improved my skills. ... KJ4HYG. Thanks to CQ. This was truly as good as it gets. Forget worrying about sunspots. Worry about something else. Condx were outstanding and how long has it been since 20m stayed open 24-hours a day? ... KR4Z. Who needs sunspots anyway? Maybe it's just a new antenna, but this is my best score ever with QRP. 20m just wouldn't quit in the evenings. It seemed easier to work the Europeans than to get a response from domestic CQers. ... KX7L.

Summer opening for 10 and 15m bands made contest more enjoyable. 80 and 160m bands were a disappointment All in all: Very enjoyable! ... LA2AB. Wow! Europe QRP at the bottom of the sunspot cycle! Coo!! ... N6RV. This was my seventh try at this great contest, and I always have a great time. 20 meters even opened to western Asia for a couple hours. CU next year! ... N7EIE. Good conditions for QRP operating. My best ever for QRP in a contest. ... NFØN. A great BBQ, plenty of Bud Lights, and oh yeah, a good 10 and 15 meter opening! What could be better? Thanks to "Webmaster Mike" (N2MG) and Scott "The Machine" (NQ2F) for getting us on the board. See you next year! (NQ2F@KD2RD) ... NQ2F. Most things that are as much fun as this contest was are illegal! The

# OLD CQ WW WPX CW CONTEST ALL-TIME RECORDS

The contest is held each year on the last full weekend of May. The All-Time Records are updated and published annually. Data shown below is: callsign, year of operation, total score, and number of prefix multipliers.

WORLD RECORD HOLDERS Single Operator U.S.A. RECORD HOLDERS Single Operator						
Single Operator  1.8	3,366 567 1,456 702 8,886 1043 1,000 920 7,440 857 9,000 1000 mitter 5,802 1182 hitters 4,192 1256 nitter	KM4	K1ZM('95)		107 332 651 915 789 674 806 1120 1095	
CLUB RECORD  Northern Calif. Contest Club('02)2	253,543,497		Prefix) RECORD '08)1313	<b>QRP/p RECO</b> P4ØW('97)4,0		
CON	ITINENTAL F	RECOR	D HOLDERS			
AFRICA  1.8 IH9/OL5Y('98)	1,260     407       7,819     613       5,364     924       2,352     782       2,028     722	1.8 3.5 7.0 14 21 28 AB	YV1OB('86) YX3A('89) LU1IV('97) YW1A('91) ZX5J('05) ZX5J('02)	AMERICA	35 305 702 732 920 857 845	
ASIA						
1.8     4X4NJ('96)     258       3.5     TAØ/Z33F('02)     1,452       7.0     9K2HN('06)     4,541       14     UP2L('09)     7,926       21     A45XR('99)     6,557       28     HZ1AB('02)     3,668       AB     4LØA('08)     11,213	2,552 348 1,970 606 3,886 1043 7,697 843 9,994 659	AF AS EU NA OC SA	CT9M('08) P33W('08) RU1A('09) 8P4A('02) AH2R('01)	SINGLE TRANSMIT	1182 1145 1236 1056 957 1034	
EUROPE	2.540 007	_				
1.8       SN7Q('08)       33         3.5       TMSY('08)       1,98         7.0       CT1JLZ('09)       6,07*         14       4O3T('06)       5,31*         21       9HØA('02)       5,38*         28       9HØA('01)       3,96*         AB       CU2X('09)       10,20*	3,366 567 5,936 816 3,554 986 9,008 933 5,315 841	AF AS EU NA OC SA	EF8M('07) C4I ('09) ES9C('08) 6Y1V('08) ZL6QH('05)	R TWO TRANSMITT	1256 1005 1266 1108 952 1187	
NORTH AMERICA	2 600 400			MILL TI TO ANOMIT		
1.8       VA1A('99)       103         3.5       FM5BH('97)       833         7.0       V26BA('97)       6,227         14       N2NC('06)       5,418         21       ZF1A('99)       5,330         28       FM5GU('01)       2,846         AB       VY2TT('09)       12,878	3,490 315 7,550 659 3,630 915 0,129 799 9,769 621	AF AS EU NA OC SA	EA8URL('09) A61AJ('02) DR1A('08) 6Y2A('02) ZL6QH('04)	MULTI-TRANSMIT	906 1244 1313 1274 1010 1264	
OCEANIA	2 100 50		,	QRPp		
1.8       KH6ND('07)       .22         3.5       KH6ND('09)       .596         7.0       ZM3A('09)       .6,437         14       KH6ND('03)       .4,126         21       KH6ND('99)       .6,107         28       KH6ND('00)       .1,523         AB       KH7XS('09)       .9,124	5,673 231 7,695 737 5,690 730 7,256 813 3,008 424	AF AS EU NA OC SA	5Y4FO('92) ZC4BS('02) LY5A('01) TI5X('01) FO8JP('86)		311 521 646 615 259 632	

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crew had a great time with one equipment failure. It seems like having the contest on a non-holiday weekend drew out more US and prefixes. Kudos to K5ZD and the cast that supports the WPX CW! ... NR4M. Good contest. 20 the main band and Europe signals most of the day. Thanks to all for a good time. CW rocks! ... NR7DX. Worked a few North American stations on 10m. Wondering if the frequency readout of my rig was erroneous, hi. It's been a long time, guys! Had some family obligations so had to go QRT the entire (local) Sunday afternoon; attended a horsetraining show while browsing the DX Cluster on my mobile phone on the sly. Darn ... another multi missed, hi. Is ham radio just a hobby? I ain't to me; it's an addiction. CUAGN 2010! ... ON4CAS. Fine to hear so many FB CW operators ... PAØWKI. I like contest. Many USA stations and Russian stations. Tnx all QSOs. See you in the next contest. ... PD5CW. Thank you for the nice contest! I used portable field transceiver PFR-3, only 5 watts, and portable antenna G5IJ. Thanks to all hams who heard and worked me. All the best from Russia and 73! ... RA3XEV. 20m open 24 hours, 1350 NA stations (300 on 40m) from 5200 QSO, 250 JA, 1270 mults. Thanks RU4HP and UA1CUR; they have considerably strengthened our team. ... RU1A. 20m was great here, 866 Q's include 22 Q's by CQ mode is new record for my QRP. 10m was open here first time this year, QSOed 40 southern neighbours mostly. Enjoyed contest. Thanks for all. ... RW4AA. First time on the contest. Worked few hours, enjoyed my few contacts very much. Also enjoyed SD logger. Thank you ... SV1AAK. Hello Contesters! First participating to CQ Contest from Erzincan city. ... TA7KI. First QSOs on 10 meter in new solar cycle 24. New step in our growth score when break 10M points ... TMØR. It was a really great weekend! 20m band conditions on Sunday were amazing. I improved my last year result from 1.2 to 1.7 million points. ... UR3IQO. My first CW contest. The speed, I can't believe it. ... VE5AE. A difficult operation with excessive noise levels of S8+ on the low bands, with low power and a low antenna. A bit of fun and it was great to put another VK8 signal onto HF! ... VK2GR. Who needs sunspots? Very hard for VK to break into EU on 40 through QRM. VK3TDX. Enjoyed another WPX Conditions were quite erratic. ... VU2UR. Now we know what it must be like to run EU from the East Coast. Incredible conditions on 20. ... W7VJ. Wow, so many UA9/UAØ. Nice propagation over the poles. Still I long for these conditions on 10/15. Glad I'm young enough (61) to see this cycle peak. ... WA1FCN. Always a pleasure to work the WPX Contest in any mode. Been doing it for more than 30 years. 10 and 15m wide open for hours, but very little activity. Give it a try guys! ... WE6EZ. Good fun with the CW contest. Most of the time I use more S&P, because with 100W not always hear you and the big guns are powerful. ... XE1AY. Great conditions to EU for a change. ... XM7GL. Great contest from ZL2JU's QTH in outside garage. Freezing weather around 0°C, but plenty of signals on the bands to keep us busy. Difficult to break the EU wall from way down under here, but we had lots of fun. ... ZL2AGY. The worst 40m propagation ever for WPX. I was beaming to the sun, but no improvement in sunspot numbers. See you all next time in the log. ... ZS4JAN.

## Where Do Errors Come From?

We began the WPX CW Contest log checking with 3,649 received logs containing 2,224,164 total QSOs. The computer was able to cross check 82.8% of these QSOs against another log. Of those, 94.9% checked good for both callsign and serial number. Rather amazing accuracy when you consider the challenge of weak signals, QSB, QRM, QRN, and other vagaries of real world radio communication. Contesting really is a training ground for improving communication skills.

Of the 35,451 different calls found in the logs, there were 20,273 (57.1%) of them that were only logged one time (so-called "unique" QSOs). Approximately 14,000 of these unique calls were computer cross-checked against other logs and found to be errors. A second manual cross-check process was applied to the remaining calls, which identified an additional 3,500 calls as being incorrect. The end result was that 84.6% of the unique calls were found to be errors. Yes, there are people who get on the air and make only one QSO, but this really doesn't happen very often.

The most common source of errors was from incorrect copy of calls containing lots of dots, such as the letters S and H, or number 5. One great example is the call KH7XS, which was logged incorrectly 93 times in 17 different variations. Another problematic combination was calls containing V and 4 or B and 6. Rare or unusual calls that have extra numbers in the prefix are also sources of errors. Some of the callsigns generating the most errors (with number of times incorrectly logged) included HF94KE (405), OL25LP (205), ES9C (201), HG1S (136), VC2A (117), NH7O (113), EE2W (111), AB1HZ (103), NV1N (102), RZ9HT (96), HG6N (97), S52ZW (83), and 9A8ØØVZ (70). In many cases the errors matched bad callsigns spotted on the DX Cluster. Caveat emptor! It is your responsibility to confirm the call of each station in your log.

Even with the deep log checking, there were still 131 stations that produced logs with no score reductions. The top golden logs (with number of QSOs) were: LY1CX (523), N9CK (300), KØCF (250), RAØAY (201), SP4GFG (241), N9LYE (236), E21YDP (234), KA6NGR (214), AD5Q (210), and PA5TT (201).

The average score reduction for all single operator entrants was 13.9%. For the top 20 single op scores, the average reduction was only 5.5%. Detailed log-checking reports are available for every submitted log and may be requested by sending an e-mail to <k5zd@cqwpx.com>.

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