# Results of the 2021 CQ World Wide VHF Contest

BY JOHN "JK" KALENOWSKY,* K9JK

The third full weekend of July 2021 brought another opportunity to competitively exercise amateur radio stations and operators on the 50- and 144-MHz frequency bands throughout the world as another CQ World Wide VHF Contest was conducted. The overall number of logs submitted this year dropped by a little over 20% from the amazing log count of 2020. Even with that reduction, there were still 1,159 logs received (plus another 17 checklogs) so this year's count is the second highest this century.

As compared to 2020, propagation conditions this year seemed more favorable toward 6 meters and less toward 2 meters. The total count of QSOs in the 1,159 logs was 58,691, yielding an average of just over 50 contacts reported in each log. For 6 meters, 48,099 QSOs were reported in the 907 logs that included QSOs on that band versus 10,592 QSOs in the 560 logs that reported QSOs on 2 meters. Looking at percentages, 82% of QSOs reported were on 6 meters and 18% were on 2 meters; this compares to a 79% / 21% split in 2020 and 88% / 12% in 2019.

Based on the mode reported on the Cabrillo QSO: lines, just over 65% of 6-meter QSOs and just over 38% of 2-meter QSOs were completed using digital modes in 2021; the actual percentages of digital mode QSOs is likely higher since many logs record "PH" as the mode for those. Surprisingly, those percentages are lower than last year's, which were 77% digital on 6 meters and 42% on 2 meters with the same expectation that the actual percentages of digital mode QSOs would have been higher due to logs recording "PH" as the mode. Did more participants look at the signal levels reported for their digital mode QSOs and try to make more QSOs using the traditional voice and CW modes?

## USA

Stations in the contiguous 48 U.S. states submitted 489 logs in 2021 (plus three checklogs) which was less than 60% of last year's count of 854 from U.S. participants, a notable

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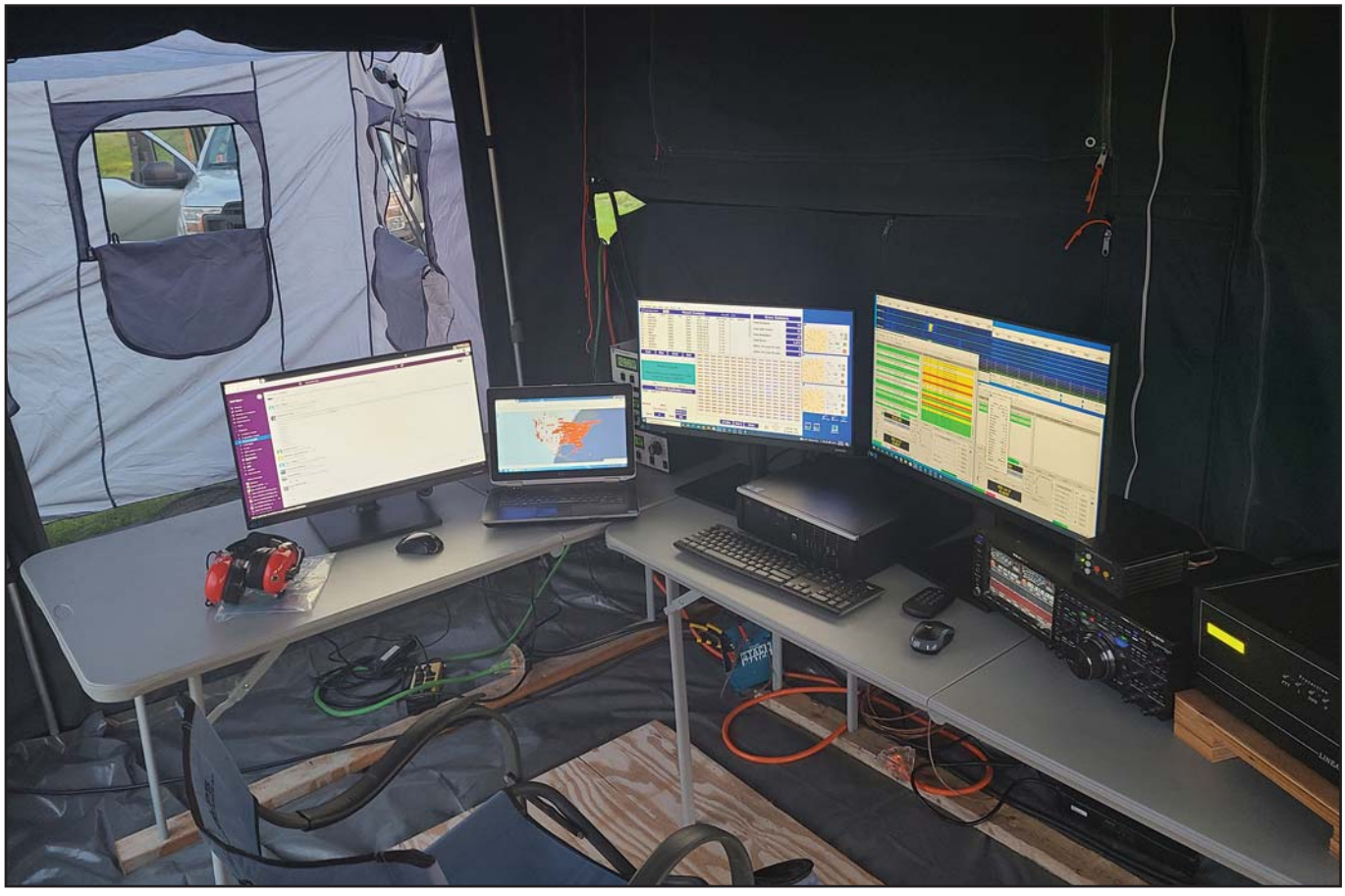


*Wyatt Dirk's, ACØRA, Field Day style setup for the 2021 CQWW VHF contest. Here is ACØRA's "shack." (Photo by ACØRA)*

reduction. If 2020's log count from the U.S. stations had had been matched this year, the total logs received would have topped last year's excellent total. The Single-Operator, Single-Band, 6-meter category remained the most popular among U.S. entrants with 235. Single Operator All-Band was not too far behind with 183. There were 22 Rovers, 20 Multi-Operator, 16 Single-Operator All-Band QRP, seven 2-meter only, and six Hilltoppers made up the balance of U.S. entries. Among the U.S. call areas, 4-land returned as the log submission leader with 103 (a 37% drop from last year's 180). The 7th call area returned as 2nd busiest with 71 logs (also a decrease of 36% from 111 in 2021). Stations in Illinois, Indiana, and Wisconsin, also known as the 9th district, submitted 53 logs to claim the third busiest call area spot (this was a 22% drop from last year's count of 68 from the area).

Scores between the various categories are typically not compared in the results but an interesting inter-category scoring battle was noted between Wyatt, ACØRA, and Jeff, K1TEO. After roving for the past few years and achieving amazing scores from his roving efforts, Wyatt decided to stay in one place and focus on 6 meters for 2021, entering in the Single-Operator, Single-Band, 6-meters category. Jeff piloted his very capable station and improved his Single-Operator, All-Band score by about 20% over last year. Wyatt's 619 QSOs topped Jeff's 582 (445 on 6 meters, 137 on 2 meters) but with 2-meter QSOs earning two QSO points, that gave Jeff a 100 QSO point advantage over Wyatt, 719 vs. 619. Multipliers were where Wyatt overcame Jeff's QSO point advantage, with Wyatt recording a total of 235 grids worked on 6 meters compared to Jeff's total of 202 (160 on 6 meters, 42 on 2 meters). Their final scores were outstanding: 143,585 for Wyatt and 143,218 for Jeff; a difference of less than 400 points between them, even though they were competing in different categories.

With a total score not too far behind Wyatt's and Jeff's scores, a Multi-Operator team gathered at the QTH of AA4ZZ to use the W4VHF callsign, amassing 322 Qs and 161 multipliers on 6 meters and 139 Qs and 60 multipliers on 2 meters for a final score of 131,053 to claim the top U.S. score in that category. Some may remember the W4VHF call as very active in the previous decade but with a "/R" suffix, often claiming the top score in this contest's Rover category over a number of years, when the call was held by Ted Goldthorpe, who unfortunately now is a Silent Key. Their operation was a nice tribute in memory of Ted's past roving achievements.

For the third year in a row, Jim, KO9A, achieved the top U.S. score in the Single-Operator, All-Band QRP category. Jim collected 266 QSOs on 6 meters (with a VUCC plus two of multipliers) plus 49 QSOs and 23 multipliers on 2 meters for a final score of 44,875. Again, Jim capitalized on the capabilities of the digital modes in the WSJT-X software but ALSO spent time in the SSB and CW segments of the bands. Also of note is that, in 2021, Jim was the 23rd person to complete making contacts in each of the 488 maidenhead grid squares in the contiguous 48 U.S. states for the ARRL's Fred Fish Memorial award from what is a very modest station.

Tony, KG9OV, bested the 22 Rover category entrants from the U.S. with an 8-grid trek through western Illinois. His 154 QSOs and 118 multipliers netted him a final score of 22,420. This was an excellent result for Tony's first effort as a Rover in this contest.

Pete, K9PW, returned to operate in the Hilltopper category as he did in 2020, but operating in the first six hours of the contest this year before leaving to participate in one of the Chicago area's Saturday evening hidden transmitter hunts. Pete bettered his score from 2020 by more than 60%, completing 74 QSOs for a final score of 3,528.

After last year's heightened conditions on 144-MHz produced a close and high scoring battle between AA4ZZ and W1VD in the Single-Operator, Single-

## 2021 CQWW VHF PLAQUE WINNERS AND DONORS

**SINGLE OPERATOR, ALL BAND**

**WORLD:** Dr. Gene Zimmerman, W3ZZ Memorial, sponsored by Directive Systems and the Grid Pirates. Won by: **Andy Yanulyavichus, UW8SM**
**USA:** Steve Bolia, N8BJQ Trophy. Won by: **Jeff Klein, K1TEO**

**SINGLE OPERATOR, SINGLE BAND**

**WORLD 50 MHz:** Jorge F. Rios Alvarado, XE2X Trophy. Won by: **Marco Angioni, ISØBSR**
**USA 50 MHz:** Florida Contest Group Trophy. Won by: **Wyatt Dirks, ACØRA**
**WORLD 144 MHz:** CQ VHF Contest Committee Trophy, sponsored by Joe Devenyi, HAØLC. Won by: **Bostjan Sever, S56P**
**USA 144 MHz:** Chuck Dietz, W5PR Trophy. Won by: **Jim Christiansen, K7ND**

**SINGLE-OPERATOR QRP ALL BAND**

**USA:** Curt Roseman, K9AKS Memorial, sponsored by the CQ WW VHF Contest Directors. Won by: **Jim Spence, KO9A**

**ROVER**

**USA:** Northern Lights Radio Society Trophy: Won by: **Tony Contratto, KG9OV**

**MULTI-OPERATOR**

**WORLD:** Dr. Gene Zimmerman, W3ZZ Memorial, sponsored by Directive Systems and the Grid Pirates. Won by: **Station TC3A, operated by: TA3E, TA3LHH**
**USA:** Bob Striegl, K2DRH Trophy: Won by: **Station W4VHF, operated by: W3GQ, NI4E, W3OA, W4MW, KU4V, AA4ZZ, W4GRW**

**Denotes awarded to runner-up in category*

## TOP SCORES

### WORLD

**All Band**
UW8SM.....53,130
VA2BN .....37,536
VE3WY .....33,728
VA6AN .....23,328
I1JTQ .....19,504

**6 Meters**
ISØBSR .....70,110
UT5X.....62,658
IZ5EME .....32,800
F4ARU .....32,604
E77A .....30,171

**2 Meters**
S56P .....22,040
EM8A .....9,506
E74G.....7,440
DL1DBR.....5,888
UR7IMM.....4,960

**Hilltopper**
VE2NCG .....3,744
IZ3NVR .....3,060
JR1UJX/2.....2,475
UR4RZA.....2,052
UY2RA .....1,518

**QRP**
UZ7W .....13,360
M5W.....10,086
E24QND.....2,744
DO1FDK .....2,184
UT6EY .....1,750

**Rover**
VE3OIL/R.....5,368
BG2KAJ/R.....4,400
E22FFJ/R.....726
VE2GT/R.....378
VA7OTC/R .....315

**Multi-Op**
TC3A.....30,250
OK1RDO.....28,890
UZ2I .....24,570
TC3EC .....19,260
LY5W .....16,600

### USA

**All Band**
K1TEO.....143,218
K2DRH.....121,402
KD2LGX.....57,040
N2NT.....55,948
N2JMH.....49,248

**6 Meters**
ACØRA.....143,585
NØURW.....32,342
KØVG.....32,226
N7PHY.....27,495
W5PR.....23,247

**2 Meters**
K7ND .....486
WE7L .....418
W7OJT.....320
AF7GL.....250
KC3SWL .....50

**Hilltopper**
K9PW.....3,528
AJ6X .....799
W9SZ.....703
N6AN .....117
KD7WPJ .....16

**QRP**
KO9A .....44,875
NØUR .....23,901
WB9AYW.....3,002
WA5DM.....1,600
NØSUW .....1,575

**Rover**
KG9OV/R.....22,420
AA5PR/R.....14,935
K9JK/R.....14,608
AE5P/R .....14,472
N6RH/R.....13,462

**Multi-Op**
W4VHF .....131,053
NV9L.....66,299
N4SVC.....40,905
K5QE .....40,040
W4ZST.....34,848

*ACØRA's three 6-meter antennas, two 7-element Yagis and a 5-element Yagi, not to mention a 60-foot pneumatic mast for one of the 7-element Yagis. (Photo by ACØRA)*

## QSO & GRID LEADERS

**6-Meter QSOs**

| | |
|---|---|
| ACØRA | 619 |
| K2DRH | 446 |
| K1TEO | 445 |
| ISØBSR | 371 |
| UT5X | 355 |
| W4VHF | 322 |
| NØURW | 321 |
| NV9L | 310 |
| UW8SM | 288 |
| SV6JHA | 281 |
| VA2BN | 274 |
| W9GA | 271 |
| KØVG | 268 |
| E77A | 267 |
| KO9A | 266 |

**2-Meter QSOs**

| | |
|---|---|
| E25GNL | 289 |
| S56P | 191 |
| W4VHF | 139 |
| K1TEO | 137 |
| OK1RDO | 127 |
| E74G | 121 |
| E2ØWVV | 108 |
| K5QE | 99 |
| EM8A | 98 |
| E24QND | 98 |
| OM6TX | 97 |
| DL1DBR | 92 |
| AE5P/R | 89 |
| N6RH/R | 86 |
| N2NT | 82 |

**6-Meter Grids**

| | |
|---|---|
| ACØRA | 235 |
| ISØBSR | 190 |
| UT5X | 177 |
| IZ5EME | 164 |
| K2DRH | 162 |
| W4VHF | 161 |
| K1TEO | 160 |
| UW8SM | 146 |
| F4ARU | 143 |
| NV9L | 140 |
| VA2BN | 136 |
| SV2AEL | 133 |
| UT4XU | 128 |
| W5LO | 126 |
| W5PR | 123 |
| KØVG | 123 |

**2-Meter Grids**

| | |
|---|---|
| K5QE | 61 |
| W4VHF | 60 |
| S56P | 58 |
| EM8A | 49 |
| K1TEO | 42 |
| UR7IMM | 40 |
| K2DRH | 40 |
| W4ZST | 38 |
| KG9OV/R | 38 |
| OK1RDO | 37 |
| N4SVC | 36 |
| YR8D | 36 |
| KD2LGX | 36 |
| N2NT | 36 |
| N2JMH | 33 |

## ROVERS & GRIDS OPERATED

| | |
|---|---|
| **AA5PR/R** | DM65 DM74 DM75 DM84 DM85 |
| **AE5P/R** | EM20 EM21 EM22 EM30 EM31 EM32 |
| **BG2KAJ/R** | PN23 PN24 |
| **E22FFJ/R** | NK92 NK93 NK94 OK02 OK03 OK04 |
| **JJ1WWL/R** | PM96 QM06 |
| **KØBAK/R** | FN10 FN11 FN20 FN21 |
| **KØBBC/R** | EN13 EN14 EN15 |
| **K9JK/R** | EN50 EN51 EN52 EN60 EN61 EN62 |
| **KD6EFQ/R** | DM12 DM13 |
| **KE7MSU/R** | CN85 CN86 |
| **KG6BXW/R** | CM86 CM96 CM97 DM07 |
| **KG9OV/R** | EM47 EM49 EM57 EM59 EN40 EN41 EN50 EN51 |
| **KI5FIQ/R** | EM20 EM21 EM22 EM30 EM31 EM32 |
| **KI5RAT/R** | EM20 EM21 EM22 EM30 EM31 EM32 |
| **KK6MC/R** | DM54 DM55 DM64 DM74 DM75 |
| **KO4IJH/R** | FM08 FM09 FM18 |
| **KX6A/R** | DM03 DM13 |
| **N6GP/R** | DM03 DM04 DM13 DM14 |
| **N6JSO/R** | CM87 CM97 |
| **N6RH/R** | EM20 EM21 EM22 EM30 EM31 EM32 |
| **N6UTC/R** | DM03 DM04 DM13 |
| **NV4B/R** | EM43 EM53 EM54 EM55 EM64 EM65 |
| **UR3ABM/R** | KO70 KO71 |
| **VA7OTC/R** | CN88 CN89 |
| **VE2GT/R** | FN35 FN36 |
| **VE3OIL/R** | EN93 FN03 |
| **VE3RKS/R** | EN93 |
| **WØZF/R** | EN13 EN14 EN15 EN34 |
| **W3DHJ/R** | DM77 DM78 DM87 DM88 |
| **WB6AGE/R** | CN76 CN85 CN86 |
| **YD3ALU/R** | OI62 |
| **YF3CYT/R** | OI62 |
| **YG3FZT/R** | OI62 |

Band, 2-meter category, activity in the category ebbed substantially in 2021. Congrats to Jim, K7ND, for achieving a final score of 486 from 27 QSOs and 9 multipliers to lead this year's seven U.S entrants in the category.

From 28 U.S. clubs from which more than three logs were received, the Society of Midwest Contesters reclaimed the top spot in the club competition with 21 entries for an aggregate score of 358,735. With a final score of 121,402, Bob, K2DRH, was the top contributor to SMC's total.

## DX

There were 670 logs (plus 14 checklogs) received from all six continents, which is an increase in the DX log count as compared to last year. The breakdown by continent is shown in the table below:

| Continent | Logs | # of different DXCC Countries |
|---|---|---|
| Africa | 4 | 1 |
| Asia | 129 | 13 |
| Europe | 276 | 35 |
| Oceania | 98 | 2 |
| South America | 103 | 2 |
| North America (other than U.S.) | 72 | 5 (other than U.S.) |
| Total | 670 | 58 |

With 99 logs submitted (96% of the logs submitted from South America), Brazil repeated as the top source of logs among the non-U.S. countries. Ukraine was the participation leader for Europe, with 67 logs submitted. Among non-U.S. North America, Canada was the top log submitter, with 56. Japan with 47 logs submitted was the leader in log submissions from Asia with China growing its count of logs to 28. Oceania's log submission count grew to 98 (88 logs from Indonesia and 10 from the Philippines) a significant increase

*Another view of ACØRA's antenna farm. (Photo by ACØRA)*

## CLUB COMPETITION

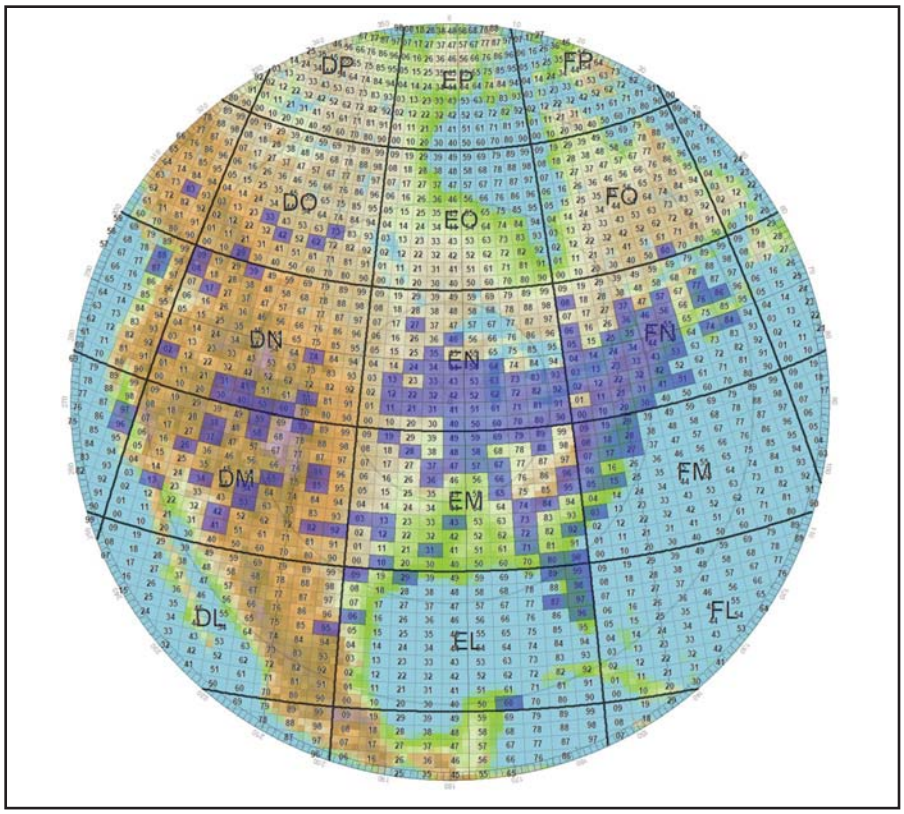
(Minimum of 3 entries required for listing)

### UNITED STATES

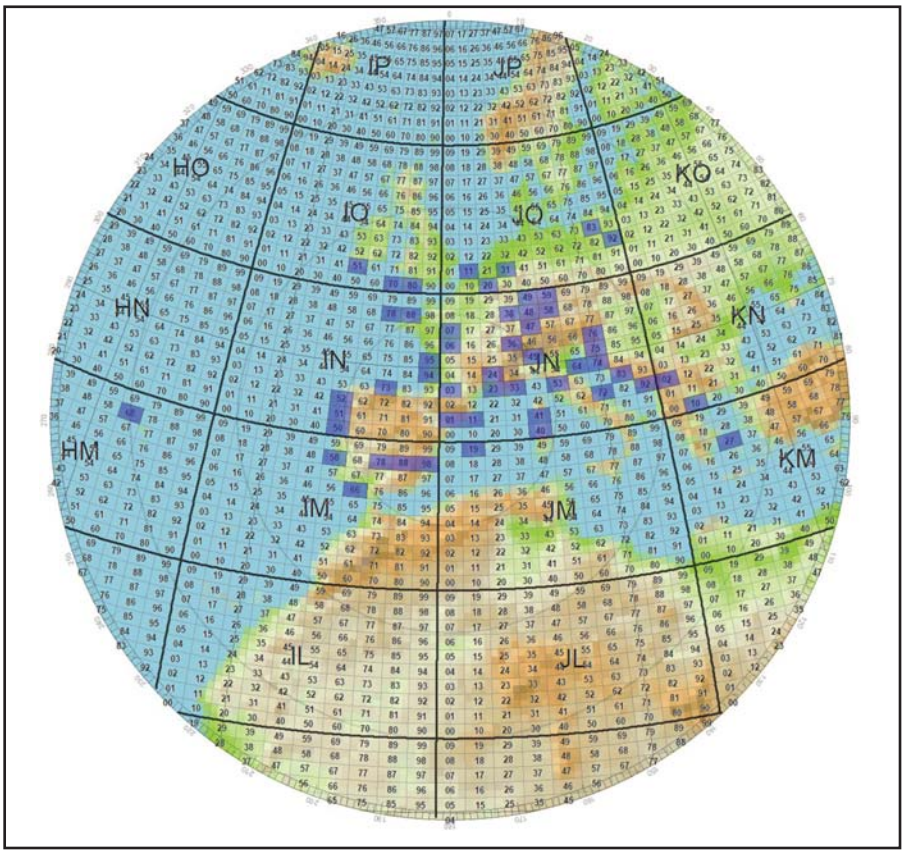
| Club Name | # Entries | Score |
|---|---|---|
| SOCIETY OF MIDWEST CONTESTERS | 21 | 358,735 |
| POTOMAC VALLEY RADIO CLUB | 41 | 183,016 |
| CAROLINA DX ASSOCIATION | 4 | 135,199 |
| ROCHESTER VHF GROUP | 5 | 114,700 |
| MT AIRY VHF RADIO CLUB | 7 | 94,037 |
| YANKEE CLIPPER CONTEST CLUB | 8 | 93,109 |
| NORTHERN LIGHTS RADIO SOCIETY | 11 | 91,959 |
| NORTH EAST WEAK SIGNAL GROUP | 7 | 82,386 |
| PACIFIC NORTHWEST VHF SOCIETY | 22 | 81,504 |
| BADGER CONTESTERS | 7 | 76,990 |
| FOURLANDERS CONTEST TEAM | 5 | 55,665 |
| DFW CONTEST GROUP | 6 | 44,253 |
| FLORIDA CONTEST GROUP | 13 | 44,246 |
| FRANKFORD RADIO CLUB | 4 | 43,394 |
| ARIZONA OUTLAWS CONTEST CLUB | 20 | 40,101 |
| SOUTHERN CALIFORNIA CONTEST CLUB | 12 | 39,257 |
| KENTUCKY CONTEST GROUP | 4 | 35,688 |
| NACOGDOCHES AMATEUR RADIO CLUB | 3 | 27,315 |
| MAD RIVER RADIO CLUB | 5 | 23,906 |
| TEXAS DX SOCIETY | 3 | 23,528 |
| NEW MEXICO VHF SOCIETY | 5 | 22,371 |
| GRAND MESA CONTESTERS OF COLORADO | 6 | 21,074 |
| NORTHERN CALIFORNIA CONTEST CLUB | 7 | 13,989 |
| SOUTH EAST CONTEST CLUB | 7 | 11,244 |
| HUDSON VALLEY CONTESTERS AND DXERS | 4 | 7,929 |
| BRISTOL (TN/VA) ARC | 3 | 4,246 |
| CENTRAL OHIO OPERATORS KLUB | 3 | 2,829 |
| TENNESSEE CONTEST GROUP | 3 | 1,933 |

### DX

| Club Name | # Entries | Score |
|---|---|---|
| UKRAINIAN CONTEST CLUB | 18 | 204,806 |
| CONTEST CLUB ONTARIO | 17 | 95,924 |
| ITALIAN CONTEST CLUB | 8 | 80,664 |
| RHEIN RUHR DX ASSOCIATION | 8 | 23,918 |
| LATVIAN CONTEST CLUB | 7 | 23,470 |
| BALTIC CONTEST CLUB | 3 | 20,515 |
| CONTEST GROUP DU QUEBEC | 4 | 16,059 |
| STRC KRYVBAS | 3 | 12,884 |
| SARMAT | 6 | 12,339 |
| THRACIAN ROSE CLUB | 4 | 5,946 |
| CABREUVADX | 17 | 5,097 |
| SP DX CLUB | 3 | 4,606 |
| UKRAINIAN VHF INTERNATIONAL CONTEST CLUB | 3 | 4,185 |
| WCWSA | 3 | 3,684 |
| MULAN DX CLUB | 3 | 2,986 |
| CDR GROUP | 9 | 2,801 |
| ORARI LOKAL KEDIRI | 24 | 1,746 |
| 599 DX GROUP | 6 | 1,352 |
| NCG DX GROUP | 3 | 1,268 |
| ORCA DX AND CONTEST CLUB | 3 | 1,164 |
| RIO DX GROUP | 14 | 882 |
| ARAUCARIA DX GROUP | 5 | 430 |
| ORARI LOKAL GRESIK | 7 | 426 |
| LU CONTEST GROUP | 4 | 399 |
| 144ZORIO | 4 | 298 |
| SINGLE FIGHTER DX GROUP | 4 | 290 |
| YBDXPI | 6 | 275 |
| LABRE-RS | 6 | 172 |
| YB LAND DX CLUB | 3 | 57 |




*ACØRA's map of the grids he worked in North America during the 2021 CQWW VHF contest. (Photo by ACØRA)*




*ACØRA's map of the grids he worked in Europe during the 2021 CQWW VHF contest. (Photo by ACØRA)*

over last year's count of 54 from the region. All four of the logs from the African continent were from the Canary Islands.

The Single-Operator, Single-Band, 6-meter category remained the most popular among the DX stations, with 253 entries. With 168 entries, Single-Operator, Single-Band, 2-meters was next in popularity. Single-Operator, All-Band entries totaled 123 and there were 71 Single-Operator, All-Band, QRP logs. The remaining entries from DX stations were 26 Multi-Operator, 18 Hilltoppers, and 11 Rovers.

The top score of any entry from outside the U.S. was 70,110 by Marco, ISØBSR, in the Single-Operator, Single-Band, 6-meter category. Marco recorded 371 QSOs, stretching his signal to 190 different grids from his station on the island of Sardinia (JN40). In the Single-Operator, All-Band category, Andy, UW8SM, totaled 311 QSOs and 161 multipliers for a total score 53,130 from his KN28 locator in Ukraine. Just over 90% of Andy's QSOs and multipliers were made on the 50-MHz band. Another Ukrainian station was the top scorer in the Single-Operator, All-Band QRP category. UZ7W was operated by Igor, UT4WA, and logged 168 contacts with stations in 80 grid locators from his operating location in KN18 for a total score of 13,360. All of Igor's contacts were completed on 50 MHz.

A familiar name and call returned to lead the World scorers in the Single-Operator, Single-Band, 2-meter category. With 191 contacts to stations in 58 different grid locators from his QTH in Slovenia (JN76), Bostjan, S56P, reached a final score of 22,040. Bostjan was also the world's top scorer in this category from 2017 through 2019.

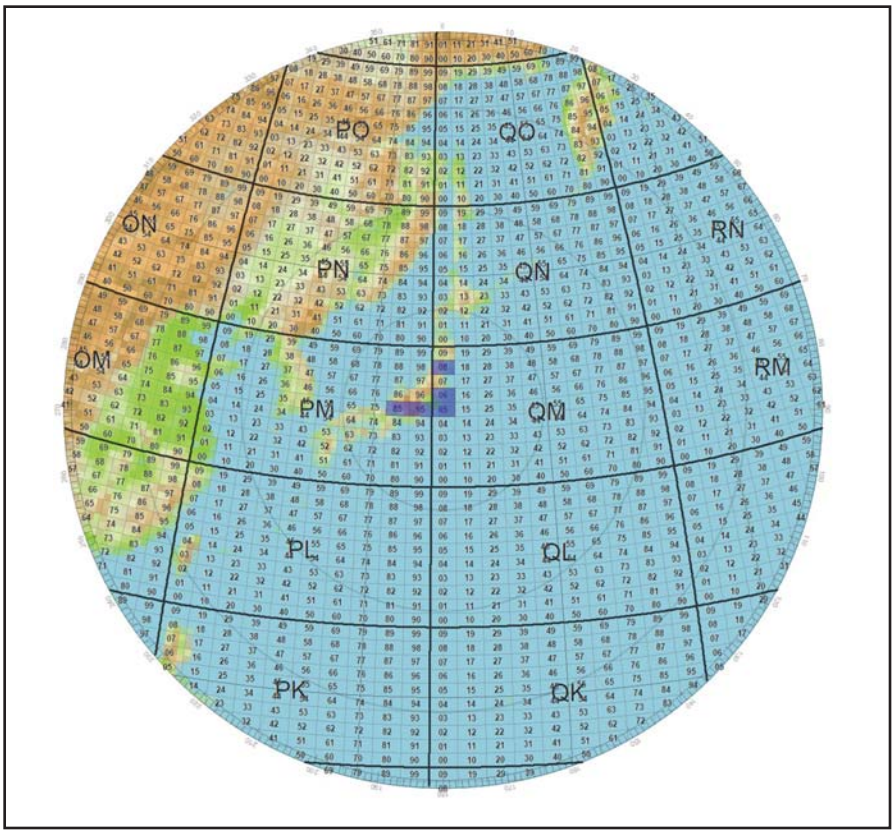
In the Multi-Operator category, the operators at TC3A prevailed with a final score of 30,250 from 251 QSOs that reached to 121 grid locators, all on 6 meters. With a score less than 5% behind TC3A's score, the team at OK1RDO utilized both 6 and 2 meters to achieve a final score of 28,890. Their 127 QSOs on 2 meters and 73 on 6 meters netted them 327 QSO points, approximately 30% more than TC3A. OK1RDO's total of 90 multipliers got them close but was not enough to top TC3A's score.

Returning to North America, the top non-U.S. scores in the Hilltopper and Rover categories were achieved by Canadian entrants. With just over 4 hours of operating time near the beginning of the contest, Nicolas, VE2NCG, achieved a total score of 3,744 using

digital modes exclusively. Sixty-five of Nicolas's 70 QSOs were on 50 MHz as were 47 of his 52 total multipliers. With a visit to two different grid locators in the province of Ontario, Russell, VE3OIL, piloted his rover station to put 84 QSOs and 61 multipliers in his logbook for a final score of 5,368. The majority of Russell's QSOs were completed on 6 meters.

From China, first-time rover Ma, BG2KAJ, travelled to two different locators to record 100 QSOs with 44 multipliers, all on 6 meters, for a final score of 4,400. In Ma's Scatter comments, he noted, "really a hot day but very happy to take part in the contest. Very good 6-meter SSB pile-up for me, very exciting." Hopefully Ma will return to roving in 2022 and beyond.

Among 19 DX clubs that met the minimum of three log submissions, the Ukrainian Contest Club claimed the top aggregate club score with a total of 204,806. A score of 62,658 from UT5X (operated by Nikolay, UT2XQ) was the leading score among the 18 logs from the club.




*ACØRA's map of the grids he worked in Asia during the 2021 CQWW VHF contest. (Photo by ACØRA)*

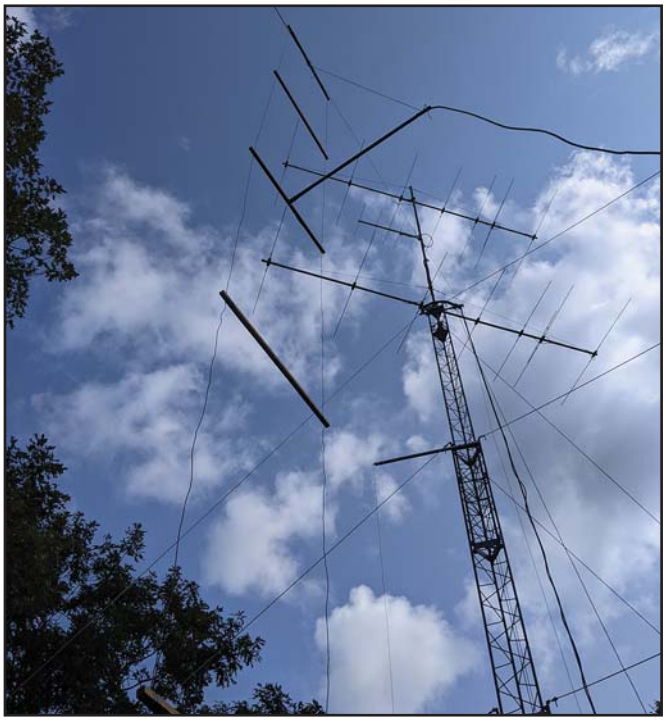
## The Elephant in the Room – FT-8!

As the director for this contest, I am not ignoring the many postings to email reflectors and emails I have received about how FT-8 has impacted activity in this VHF radiosport event. I have reviewed the countless, varied, and often conflicting suggestions of what needs to be done to "improve" this contest.

Personally, I have not explored any of the digital modes myself ... preferring to follow the "KISS" principles (Keep It Simple Silly, though I have seen a different word for that last S) as I grid-hop in my rovermobile, the CoROVERolla. This means that I've been using only the "legacy" modulation modes (SSB mostly, but with an occasional CW or FM contact). Having finished third among U.S. Rovers this year and second in 2019, I've not felt limited by restricting myself to "legacy" modulation modes so I might not be the best person to judge how FT-8 has impacted this contest.

On the other hand, I have seen how FT-8 can be used to increase scores, especially collecting more distant multipliers that, even under the best conditions, might be very challenging to work with other modes. In the majority of cases, the higher scoring stations in the various categories have included the "legacy" modes in their QSO mixes, not relying exclusively on using FT-8 and other digital modes.

*Paul, AA4ZZ, sent in these photos, shot by a drone, of the 2-meter Yagi used for the W4VHF contest station. (Photo by W4GRW)*



*This photo shows off the 6-meter Yagi at the W4VHF contest station. (Photo by AA4ZZ)*


*The team at W4VHF was comprised of the following members (from l. to r.) Dick, W3OA; Paul, W3GQ; Paul, AA4ZZ; and Bill, W4GRW. They are members of the Carolina DX Association. (Photo by AA4ZZ)*

I also recall the incredible conditions that were experienced in the U.S. back in 2006 on the CQWW VHF Contest weekend. Several entrants logged more than 1,000 QSOs and I'm pretty sure this was "BD" (Before Digital), all using "legacy" modulation modes, so incredible contest scores CAN be achieved without the benefit of "new-fangled" modulation methods.

For 2022, the rules will not see any changes. Multiple contacts with the same station using different modes will be considered duplicates so feel free to do that if you must but don't expect any increase in your score from such activity. I do strongly request that logs submitted show "DG" on the Cabrillo QSO: Lines for contacts made using the various flavors of digital modes and NOT "PH" as other VHF contests have permitted. Use "PH" for SSB contacts (and if anyone is using AM in the contest, for those contacts), "CW" for CW contacts and "FM" for contacts made using FM voice.

## Speaking of "Next Year," Let's Move On!

The dates for the 2022 CQWW VHF Contest are set as July 17th and 18th. Let's hope that the global pandemic will continue its easing but even if it doesn't, we can continue to "socially distance" on the 50- and 144-MHz bands. And has Cycle 25 really started? Propagation conditions on 50 MHz may answer that question, once the third weekend of July comes around this year.

Repeating the constant plea of past directors, if you operate, please send in a log. Any size log is greatly appreciated. If you need help, please ask. More logs make cross-checking logs more accurate.

Don't forget to check out the CQ VHF website <www.cqww-vhf.com>. Comments, suggestions, and corrections are always welcome. Quite a bit of the data was entered manually. If you find an error, please let us know.

*(Scores on page 108)*

Number/letter groups after call letters denote the following: Class (A = all band, 6 = 6 meters, 2 = 2 meters, Q = QRP, Q* = QRP portable hilltopper, R = rover, M = multi-operator), Final Score, Number of QSOs, Number of grid locators, State/Province (USA/Canada only), Grid Locator or Number of grids activated (rover only). Rover scores for USA are listed separately. Scores in bold indicate certificate winners. Scores in italics are disqualified.

# 2021 VHF RESULTS
# NORTH AMERICA

## UNITED STATES

| | | | | | | |
|---|---|---|---|---|---|---|
| **K1TEO** | **A** | **143,218** | **582** | **202** | **CT** | **FN31** |
| N8RA | A | 39,624 | 269 | 127 | CT | FN31 |
| **W1XX** | **A** | **31,588** | **277** | **106** | **RI** | **FN41** |
| **W1FKF** | **A** | **25,199** | **180** | **113** | **NH** | **FN43** |
| AF1T | A | 23,316 | 248 | 87 | NH | FN43 |
| WA1T | A | 12,640 | 150 | 80 | NH | FN43 |
| **N1JEZ** | **A** | **9,372** | **129** | **66** | **VT** | **FN44** |
| **N1JFU** | **A** | **8,640** | **109** | **64** | **MA** | **FN42** |
| K2KA | A | 5,814 | 103 | 57 | MA | FN42 |
| K5ZD | A | 5,428 | 93 | 59 | MA | FN42 |
| N1PRW | A | 5,280 | 95 | 55 | MA | FN42 |
| WØZEN | A | 5,076 | 93 | 54 | MA | FN42 |
| **N1JD** | **A** | **2,412** | **60** | **36** | **ME** | **FN44** |
| K1SX | A | 1,394 | 43 | 34 | MA | FN41 |
| W1FJ | A | 644 | 29 | 23 | MA | FN42 |
| N1JHJ | A | 294 | 14 | 14 | NH | FN43 |
| AF1R | A | 216 | 17 | 12 | MA | FN42 |
| N1SFE | A | 204 | 15 | 12 | CT | FN31 |
| AI1G | A | 2 | 2 | 2 | MA | FN42 |
| **N2HX** | **6** | **18,281** | **183** | **101** | **MA** | **FN32** |
| **AB1OC** | **6** | **16,684** | **174** | **97** | **NH** | **FN42** |
| AE1T | 6 | 3,105 | 71 | 45 | NH | FN43 |
| K1EP | 6 | 2,440 | 63 | 40 | MA | FN42 |
| **K1VW** | **6** | **1,380** | **49** | **30** | **ME** | **FN43** |
| N1CEO | 6 | 1,350 | 57 | 27 | MA | FN42 |
| **WA1KRG** | **6** | **1,269** | **50** | **27** | **CT** | **FN31** |
| | | | | | | **Op: W1QK** |
| AG1A | 6 | 1,178 | 40 | 31 | MA | FN42 |
| K9DOG | 6 | 832 | 34 | 26 | MA | FN42 |
| KA1YQC | 6 | 693 | 33 | 21 | MA | FN42 |
| W1HMM | 6 | 588 | 28 | 21 | ME | FN53 |
| NY1E | 6 | 420 | 23 | 20 | ME | FN55 |
| **N1ADX** | **6** | **182** | **14** | **13** | **VT** | **FN33** |
| N1WRK | 6 | 144 | 12 | 12 | MA | FN41 |
| KW1RF | 6 | 64 | 8 | 8 | CT | FN41 |
| KM1NDY | 6 | 48 | 9 | 8 | MA | FN42 |
| **NE1B** | **M** | **27,468** | **218** | **109** | **NH** | **FN42** |
| | | | | | | **Ops: NE1B WA2IYO** |
| **N1SOH** | **M** | **6,903** | **124** | **59** | **MA** | **FN42** |
| | | | | | | **Ops: N1SOH W1FM** |
| W1VPR | M | 1,020 | 42 | 20 | MA | FN42 |
| | | | | | | Ops: KB1EKN N1QD K1SU |
| **KD2LGX** | **A** | **57,040** | **308** | **155** | **NY** | **FN13** |
| **N2NT** | **A** | **55,948** | **316** | **142** | **NJ** | **FN20** |
| | | | | | | **Op: N2NC** |
| N2JMH | A | 49,248 | 266 | 152 | NY | FN12 |
| W9KXI | A | 29,312 | 214 | 128 | NY | FN12 |
| W2YR | A | 12,720 | 133 | 80 | NJ | FN20 |
| N2RC | A | 5,742 | 83 | 66 | NY | FN21 |
| KA2ENE | A | 5,141 | 91 | 53 | NY | FN13 |
| N1NQD | A | 3,213 | 61 | 51 | NY | FN13 |
| N2SLO | A | 3,003 | 65 | 39 | NY | FN30 |
| K2OEQ | A | 2,196 | 56 | 36 | NY | FN13 |
| KZ2I | A | 1,820 | 52 | 35 | NJ | FM29 |
| K2PAL | A | 1,650 | 50 | 30 | NY | FN30 |
| WA3AFS | A | 1,628 | 45 | 37 | NY | FN32 |
| N2NKX | A | 1,102 | 38 | 29 | NY | FN22 |
| N2BEG | A | 1,075 | 38 | 25 | NY | FN12 |
| AC2ZZ | A | 126 | 12 | 9 | NJ | FN20 |
| WW2Y | A | 21 | 4 | 3 | NJ | FN20 |
| **K2XA** | **6** | **3,216** | **67** | **48** | **NY** | **FN32** |
| W3SW | 6 | 2,784 | 61 | 48 | NY | FN22 |
| N2JJ | 6 | 1,855 | 54 | 35 | NY | FN33 |
| W2TZ | 6 | 1,440 | 46 | 32 | NY | FN12 |
| **AF2F** | **6** | **1,320** | **44** | **33** | **NJ** | **FN20** |
| W2XL | 6 | 1,230 | 43 | 30 | NY | FN21 |
| WB2AMU | 6 | 621 | 29 | 23 | NY | FN30 |
| K2ANZ | 6 | 323 | 19 | 17 | NY | FN13 |
| AC2PB | 6 | 130 | 13 | 13 | NJ | FN20 |
| KD2EPM | 6 | 90 | 10 | 9 | NJ | FM29 |
| N2RKL | 6 | 20 | 5 | 4 | NY | FN13 |
| KB2URI | 6 | 1 | 1 | 1 | NY | FN02 |
| **KC2WUF** | **Q** | **4** | **2** | **2** | **NJ** | **FN20** |
| **K2TER** | **M** | **27,552** | **179** | **123** | **NY** | **FN13** |
| | | | | | | **Ops: K2TER KD2UEW** |
| W2RME | M | 1,785 | 47 | 35 | NY | FN22 |
| | | | | | | Ops: N2SLN W2BDN KC2SFU |
| **K2AA** | **M** | **480** | **26** | **16** | **NJ** | **FM29** |
| | | | | | | **Ops: WB2EOD KC2THQ** |
| **NF3R** | **A** | **23,112** | **191** | **108** | **PA** | **FN20** |
| **K3TC** | **A** | **12,388** | **143** | **76** | **MDC** | **FM19** |
| N3XF | A | 6,090 | 92 | 58 | PA | FN00 |
| W3LL | A | 5,828 | 91 | 47 | MDC | FM19 |
| K3ZO | A | 3,318 | 68 | 42 | MDC | FM18 |
| KR1ST | A | 2,482 | 52 | 34 | PA | FN21 |
| **N3MWQ** | **A** | **990** | **34** | **22** | **DE** | **FM29** |
| K3RLW | A | 644 | 30 | 23 | MDC | FM18 |
| W3OFD | A | 330 | 16 | 11 | PA | FN10 |
| KD4IZ | A | 231 | 16 | 11 | MDC | FM19 |
| W3EKT | A | 144 | 20 | 9 | MDC | FM19 |
| K3EFS | A | 135 | 12 | 9 | PA | FN20 |
| KE5NJ | A | 40 | 5 | 4 | DE | FM29 |
| **N1EK** | **6** | **8,757** | **143** | **63** | **MDC** | **FM19** |
| K3MM | 6 | 1,008 | 49 | 21 | MDC | FM19 |
| **KD3HN** | **6** | **986** | **35** | **29** | **PA** | **FM19** |
| AA3S | 6 | 940 | 47 | 20 | MDC | FM19 |
| KB3ORR | 6 | 825 | 33 | 25 | PA | EN90 |
| K2LNS | 6 | 558 | 33 | 18 | PA | FN01 |
| N3ADF | 6 | 558 | 32 | 18 | MDC | FM18 |
| WO2C | 6 | 450 | 25 | 18 | PA | EN90 |
| WT3K | 6 | 350 | 25 | 14 | MDC | FM19 |
| N3DUE | 6 | 275 | 25 | 11 | MDC | FM19 |
| N3FJP | 6 | 200 | 21 | 10 | MDC | FM19 |
| AG3I | 6 | 135 | 16 | 9 | PA | FN00 |
| W3OU | 6 | 135 | 15 | 9 | MDC | FM18 |
| N3QE | 6 | 96 | 24 | 4 | MDC | FM19 |
| AJ3M | 6 | 95 | 21 | 5 | MDC | FM18 |
| N3ODE | 6 | 72 | 9 | 8 | MDC | FM19 |
| N3XL | 6 | 72 | 12 | 6 | MDC | FM18 |
| **KC3SWL** | **2** | **50** | **6** | **5** | **MDC** | **FM29** |
| **NG3W** | **2** | **2** | **1** | **1** | **PA** | **FN01** |
| **W3IPA** | **Q** | **294** | **21** | **14** | **PA** | **EN91** |
| WQ6D | Q | 252 | 16 | 14 | PA | FN21 |
| **N3DPB** | **M** | **15,392** | **158** | **74** | **MDC** | **FM19** |
| | | | | | | **Ops: N3DPB K3MTR KB3VQC AD5XI WA3EKL** |
| | | | | | | **WT3K** |
| **W3SO** | **M** | **11,934** | **133** | **78** | **PA** | **FN00** |
| | | | | | | **Ops: W3IDT W3BTX W3SF W3XOX** |
| **N3MK** | **A** | **39,130** | **246** | **130** | **VA** | **FM27** |
| W3IP | A | 29,484 | 225 | 108 | VA | FM19 |
| K1HTV | A | 27,577 | 232 | 109 | VA | FM18 |
| **W4MAA** | **A** | **16,380** | **162** | **91** | **GA** | **EM74** |
| **K1TO** | **A** | **14,670** | **167** | **90** | **FL** | **EL87** |
| **NG4C** | **A** | **13,816** | **134** | **88** | **NC** | **FM16** |
| KS1PPY | A | 8,427 | 128 | 53 | VA | FM18 |
| AA5JF | A | 6,968 | 94 | 67 | GA | EM83 |
| N8KH | A | 4,464 | 92 | 48 | FL | EL98 |
| K3FR | A | 4,305 | 91 | 41 | VA | FM18 |
| WB4OMG | A | 3,784 | 67 | 43 | FL | EL98 |
| W4ATL | A | 3,397 | 62 | 43 | GA | EM73 |
| **W4ENN** | **A** | **2,886** | **57** | **39** | **AL** | **EM64** |
| WA4PGM | A | 2,432 | 57 | 32 | VA | FM07 |
| K2PS | A | 1,972 | 58 | 34 | FL | EL98 |
| KV4ZY | A | 1,971 | 54 | 27 | VA | FM08 |
| **WA4LDU** | **A** | **1,824** | **41** | **32** | **SC** | **EM93** |
| **AA4DD** | **A** | **1,656** | **42** | **36** | **TN** | **EM86** |
| N3KN | A | 1,200 | 40 | 30 | VA | EM97 |
| K4FJW | A | 1,196 | 37 | 26 | VA | EM86 |
| KY4G | A | 1,196 | 34 | 26 | AL | EM64 |
| WB4EHG | A | 1,161 | 41 | 27 | FL | EL96 |
| WG8S | A | 984 | 35 | 24 | AL | EM64 |
| K1DS | A | 828 | 35 | 18 | FL | FN20 |
| K4MY | A | 740 | 29 | 20 | GA | EM74 |
| NU4E | A | 612 | 24 | 17 | SC | EM95 |
| KS4S | A | 572 | 26 | 22 | NC | FM04 |
| WA3LXD | A | 322 | 25 | 14 | FL | EL99 |
| K4FTO | A | 208 | 26 | 8 | VA | FM18 |
| N3CKI | A | 132 | 13 | 12 | NC | FM03 |
| AE4Y | A | 130 | 17 | 10 | NC | EM85 |
| K8YC | A | 117 | 13 | 9 | NC | EM95 |
| K4MI | A | 90 | 10 | 9 | VA | FM17 |
| K4BSK | A | 77 | 8 | 7 | VA | FM07 |
| K4VTE | A | 70 | 10 | 7 | GA | EM73 |
| KX4KU | A | 66 | 12 | 6 | VA | FM08 |
| K4VBM | A | 56 | 8 | 7 | GA | EM73 |
| N3GTG | A | 35 | 7 | 5 | VA | FM17 |
| **WE5P** | **A** | **30** | **6** | **5** | **KY** | **EM77** |
| KW4G | A | 12 | 4 | 3 | FL | EL97 |
| W4JFA | A | 1 | 1 | 1 | NC | EM95 |
| **W2OR** | **6** | **11,328** | **126** | **96** | **FL** | **EL99** |
| **K5EK** | **6** | **8,512** | **113** | **76** | **NC** | **FM03** |
| W1AJT | 6 | 7,000 | 106 | 70 | NC | EM95 |
| **N4HB** | **6** | **6,758** | **113** | **62** | **VA** | **FM17** |
| WB2FKO | 6 | 5,124 | 89 | 61 | FL | EL89 |
| W3DQS | 6 | 4,028 | 83 | 53 | NC | EM95 |
| WO4O | 6 | 3,285 | 73 | 45 | FL | EL98 |
| **N4QS** | **6** | **2,790** | **63** | **45** | **KY** | **EM56** |
| **KU8E** | **6** | **2,720** | **83** | **34** | **GA** | **EM72** |
| KD4YDD | 6 | 2,146 | 59 | 37 | GA | EM84 |
| W5MX | 6 | 1,980 | 58 | 36 | KY | EM77 |
| K4YCR | 6 | 1,887 | 57 | 37 | VA | FM07 |
| K3WA | 6 | 1,833 | 50 | 39 | NC | FM05 |
| N3UA | 6 | 1,682 | 58 | 29 | VA | FM17 |
| KM4HI | 6 | 1,488 | 49 | 31 | FL | EL89 |
| **N4DW** | **6** | **1,394** | **42** | **34** | **TN** | **EM86** |
| AC4G | 6 | 1,242 | 47 | 27 | TN | EM65 |
| N4XD | 6 | 1,170 | 40 | 30 | NC | FM05 |
| ND4V | 6 | 1,025 | 44 | 25 | GA | EM73 |
| WC4H | 6 | 936 | 41 | 24 | FL | EL89 |
| K4BAI | 6 | 858 | 39 | 22 | GA | EM72 |
| WF4R | 6 | 672 | 32 | 21 | VA | FM16 |
| AJ6T | 6 | 667 | 29 | 23 | TN | EM66 |
| **KR4NO** | **6** | **630** | **30** | **21** | **SC** | **EM95** |
| KO4AEP | 6 | 513 | 27 | 19 | FL | EL96 |
| K3YDX | 6 | 300 | 20 | 15 | NC | FM05 |
| K2MK | 6 | 294 | 21 | 14 | FL | EL98 |
| KE4S | 6 | 264 | 25 | 11 | VA | FM19 |
| NJ8J | 6 | 240 | 20 | 12 | GA | EM73 |
| AD8J | 6 | 238 | 17 | 14 | NC | EM85 |
| **KR4F** | **6** | **234** | **20** | **13** | **AL** | **EM64** |
| N4CF | 6 | 208 | 16 | 13 | VA | FM17 |
| WC4E | 6 | 176 | 16 | 11 | FL | EL87 |
| KK4AND | 6 | 168 | 14 | 12 | AL | EM74 |
| WB4OMM | 6 | 165 | 15 | 11 | FL | EL99 |
| WH6LE | 6 | 132 | 12 | 12 | NC | EM94 |
| NC4MI | 6 | 130 | 17 | 10 | NC | EM85 |
| N6DW | 6 | 121 | 13 | 11 | VA | FM07 |
| KM4IAJ | 6 | 120 | 12 | 10 | VA | FM18 |
| W4EE | 6 | 120 | 15 | 8 | FL | EL98 |
| NØSMX | 6 | 112 | 14 | 8 | FL | EL98 |
| NN4SS | 6 | 90 | 10 | 9 | SC | EM94 |
| K3TD | 6 | 64 | 8 | 8 | NC | FM05 |
| W1AM | 6 | 45 | 9 | 5 | GA | EM84 |
| NØYY | 6 | 36 | 7 | 6 | VA | EM96 |
| NS4X | 6 | 24 | 6 | 4 | TN | EM55 |
| KO4FZV | 6 | 21 | 7 | 3 | GA | EM73 |
| K4ORD | 6 | 20 | 5 | 4 | VA | FM07 |
| AI4WW | 6 | 18 | 6 | 3 | FL | EL96 |
| W4JS | 6 | 9 | 3 | 3 | FL | EL87 |
| NJ4Q | 6 | 6 | 3 | 2 | VA | FM07 |
| N3JT | 6 | 1 | 1 | 1 | VA | FM18 |
| N5TOO | 6 | 1 | 1 | 1 | GA | EM73 |
| **K3TW** | **Q** | **24** | **6** | **4** | **FL** | **EL88** |
| **W4VHF** | **M** | **131,053** | **461** | **221** | **NC** | **EM96** |
| | | | | | | **Ops: W3GQ NI4E W3OA W4MW KU4V AA4ZZ** |
| | | | | | | **W4GRW** |
| **N4SVC** | **M** | **40,905** | **240** | **135** | **FL** | **EM80** |
| | | | | | | **Ops: WB2ONA K4SME N2CEI** |
| **W4ZST** | **M** | **34,848** | **213** | **132** | **GA** | **EM84** |
| | | | | | | **Ops: W4ZST NX9O WW8RR** |
| N4WW | M | 6,420 | 110 | 60 | FL | EL98 |
| | | | | | | Ops: N4WW K1MM |
| W4AMC | M | 1,610 | 41 | 35 | NC | FM15 |
| | | | | | | Ops: K1KK N4PVH |
| **N4DXY** | **M** | **1,064** | **38** | **28** | **AL** | **EM64** |
| | | | | | | **Ops: N4JDB KE4DIS** |
| **W5TRL** | **A** | **22,116** | **183** | **114** | **TX** | **EM10** |
| WR5AY | A | 2,520 | 60 | 40 | TX | EM12 |
| N5ENU | A | 1,518 | 49 | 22 | TX | EM12 |
| **K5TA** | **A** | **1,426** | **44** | **31** | **NM** | **DM65** |
| **N5UM** | **A** | **750** | **27** | **25** | **OK** | **EM15** |
| WA5RR | A | 726 | 32 | 22 | TX | EM04 |
| **K5OLV** | **A** | **660** | **30** | **22** | **MS** | **EM54** |
| AJ4F | A | 204 | 19 | 12 | TX | EL29 |
| W5DDS | A | 204 | 17 | 12 | TX | EL09 |
| WA8ZBT | A | 198 | 18 | 9 | TX | EM12 |
| WB5ZDP | A | 192 | 15 | 8 | TX | EM13 |
| WA5LFD | A | 162 | 19 | 6 | TX | EM12 |
| N5XTR | A | 99 | 9 | 9 | OK | EM04 |
| **W5PR** | **6** | **23,247** | **190** | **123** | **TX** | **EL29** |
| W5LO | 6 | 23,184 | 188 | 126 | TX | EM03 |
| AA5AM | 6 | 11,438 | 135 | 86 | TX | EM13 |
| N5NA | 6 | 2,928 | 61 | 48 | TX | DM92 |
| NN5T | 6 | 2,379 | 65 | 39 | TX | EM12 |
| **WQ5L** | **6** | **2,279** | **59** | **43** | **MS** | **EM50** |
| K5ND | 6 | 2,091 | 51 | 41 | TX | DM86 |
| K5EI | 6 | 1,612 | 53 | 31 | TX | EM12 |
| **K5FUV** | **6** | **1,302** | **45** | **31** | **AR** | **EM26** |
| WØTG | 6 | 1,036 | 40 | 28 | TX | EM12 |
| W5TV | 6 | 858 | 35 | 26 | TX | EM21 |
| **AA5AU** | **6** | **720** | **31** | **24** | **LA** | **EL49** |
| K5OMC | 6 | 700 | 29 | 25 | MS | EM44 |
| KN5S | 6 | 315 | 22 | 15 | TX | EL09 |
| | | | | | | Op: K5WW |
| KF5BA | 6 | 280 | 20 | 14 | MS | EM50 |
| **KC7QY** | **6** | **156** | **14** | **12** | **NM** | **DM64** |
| N5DTT | 6 | 77 | 12 | 7 | TX | EL29 |
| N5RZ | 6 | 54 | 9 | 6 | TX | EM00 |
| KI6HQT | 6 | 35 | 7 | 5 | TX | EM10 |
| K5IX | 6 | 12 | 4 | 3 | TX | DL99 |
| N5KAE | 6 | 9 | 3 | 3 | TX | EL29 |
| **KD5OCR** | **2** | **2** | **1** | **1** | **TX** | **EL29** |
| **WA5DM** | **Q** | **1,600** | **45** | **32** | **TX** | **EM12** |
| **K5QE** | **M** | **40,040** | **220** | **130** | **TX** | **EM31** |
| | | | | | | **Ops: K5QE N5YA K5EEI KI5MHB KI5OKK KF5LKG** |
| | | | | | | **KI5OKK** |
| KC5MVZ | M | 630 | 25 | 21 | TX | DM93 |
| | | | | | | Ops: KC5MVZ KE5BZO |
| **NC6K** | **A** | **14,040** | **156** | **90** | **CA** | **DM13** |
| NA6MG | A | 8,833 | 117 | 73 | CA | DM04 |
| KC6MIE | A | 792 | 37 | 22 | CA | DM13 |
| AI6DO | A | 558 | 28 | 18 | CA | DM03 |
| K6UF | A | 429 | 34 | 13 | CA | CM97 |
| KE6QR | A | 120 | 12 | 8 | CA | CM88 |
| N6RO | A | 117 | 10 | 9 | CA | CM97 |
| AA6AM | A | 48 | 15 | 2 | CA | CM88 |
| N6VH | A | 15 | 6 | 3 | CA | DM12 |
| **N5KO** | **6** | **9,301** | **132** | **71** | **CA** | **CM97** |
| N6QQ | 6 | 7,004 | 106 | 68 | CA | DM03 |
| K6ZH | 6 | 5,335 | 98 | 55 | CA | DM12 |
| AE6BH | 6 | 2,604 | 69 | 42 | CA | DM13 |
| N6ORB | 6 | 2,135 | 62 | 35 | CA | CM87 |
| WM6Y | 6 | 1,632 | 55 | 32 | CA | DM13 |
| K6RO | 6 | 1,537 | 55 | 29 | CA | DM03 |
| WA7BNM | 6 | 1,092 | 43 | 26 | CA | DM04 |
| W6INO | 6 | 810 | 45 | 18 | CA | CM97 |
| N6RZR | 6 | 627 | 33 | 19 | CA | CN80 |
| KG6HSQ | 6 | 351 | 27 | 13 | CA | DM13 |
| KO6LU | 6 | 210 | 23 | 10 | CA | CM87 |
| N6IC | 6 | 135 | 16 | 9 | CA | DM04 |
| KK6TV | 6 | 9 | 3 | 3 | CA | DM13 |
| AG6JA | 6 | 6 | 3 | 2 | CA | CM87 |
| NE6I | 6 | 4 | 2 | 2 | CA | DM12 |
| **K2GMY** | **Q** | **1,026** | **39** | **18** | **CA** | **CM88** |
| WD6DX | Q | 25 | 5 | 5 | CA | CM96 |
| **AJ6X** | **H** | **799** | **41** | **17** | **CA** | **CM87** |
| N6AN | H | 117 | 13 | 9 | CA | DM04 |
| KD7WPJ | H | 16 | 5 | 4 | CA | CN70 |
| **AL1VE** | **A** | **12,060** | **139** | **90** | **OR** | **DN02** |
| **N7EPD** | **A** | **5,904** | **128** | **36** | **WA** | **CN87** |
| **W7MEM** | **A** | **4,081** | **76** | **53** | **ID** | **DN17** |
| **N7IR** | **A** | **3,807** | **78** | **47** | **AZ** | **DM43** |
| N7NW | A | 3,696 | 80 | 42 | WA | CN87 |
| KD7UO | A | 3,224 | 90 | 26 | WA | CN87 |
| KØJJ | A | 1,716 | 52 | 26 | OR | CN85 |
| KX7L | A | 1,190 | 56 | 17 | WA | CN87 |
| N7QOZ | A | 1,032 | 55 | 12 | WA | CN87 |
| **WA7YAZ** | **A** | **952** | **36** | **28** | **UT** | **DN40** |
| W7KRS | A | 819 | 45 | 13 | WA | CN97 |
| KB7ME | A | 741 | 31 | 19 | WA | CN85 |
| KG7P | A | 726 | 51 | 11 | WA | CN87 |
| N7RK | A | 406 | 22 | 14 | AZ | DM33 |
| N7AME | A | 351 | 29 | 9 | WA | CN87 |
| **KE7UQL** | **A** | **247** | **17** | **13** | **NV** | **DM09** |
| N7XCZ | A | 224 | 19 | 14 | NV | DM09 |
| KE6GFI | A | 192 | 15 | 12 | AZ | DM34 |
| KA7CVJ | A | 143 | 11 | 11 | AZ | DM43 |
| N7NEV | A | 84 | 10 | 6 | AZ | DM43 |
| WV7S | A | 24 | 6 | 3 | WA | CN87 |
| KJ7UIS | A | 18 | 4 | 3 | OR | CN85 |
| N7DB | A | 10 | 3 | 2 | OR | CN85 |
| N9NA | A | 4 | 2 | 2 | AZ | DM33 |
| **N7PHY** | **6** | **27,495** | **236** | **117** | **WA** | **DN08** |
| K7CW | 6 | 10,579 | 154 | 71 | WA | CN87 |
| **NR7T** | **6** | **10,191** | **132** | **79** | **UT** | **DM38** |
| **KA6BIM** | **6** | **10,168** | **166** | **62** | **OR** | **CN73** |
| **N7GP** | **6** | **6,039** | **101** | **61** | **AZ** | **DM42** |
| K7CA | 6 | 5,704 | 93 | 62 | UT | DM37 |
| K7GA | 6 | 4,002 | 87 | 46 | AZ | DM22 |
| **KG7CW** | **6** | **3,015** | **72** | **45** | **ID** | **DN14** |
| KC7V | 6 | 2,320 | 61 | 40 | AZ | DM33 |
| W7FI | 6 | 2,263 | 77 | 31 | WA | CN87 |
| WØRIC | 6 | 1,911 | 53 | 39 | AZ | DM33 |
| KF6HI | 6 | 1,728 | 54 | 32 | AZ | DM33 |
| WA7AN | 6 | 1,586 | 61 | 26 | AZ | DM43 |
| | | | | | | Op: K9DR |
| K7ULS | 6 | 1,476 | 41 | 36 | UT | DN41 |
| K7LNP | 6 | 1,472 | 46 | 32 | UT | DN30 |
| N7CW | 6 | 1,221 | 39 | 33 | AZ | DM34 |
| KE7GRO | 6 | 1,150 | 50 | 23 | AZ | DM43 |
| K7TFT | 6 | 345 | 25 | 15 | UT | DN40 |
| KB7WSD | 6 | 340 | 35 | 10 | WA | CN87 |
| KK7AC | 6 | 322 | 23 | 14 | AZ | DM53 |
| KY7M | 6 | 308 | 24 | 14 | AZ | DM33 |
| K7WP | 6 | 200 | 20 | 10 | AZ | DM43 |
| KC1BB | 6 | 144 | 16 | 9 | AZ | DM32 |
| K7BWH | 6 | 108 | 19 | 6 | WA | CN87 |
| KJ7AKV | 6 | 72 | 21 | 4 | WA | CN88 |
| K7HP | 6 | 60 | 12 | 5 | AZ | DM33 |
| WA8ZID | 6 | 54 | 10 | 6 | AZ | DM33 |
| K7HKR | 6 | 16 | 4 | 4 | AZ | DM34 |
| N7NWL | 6 | 4 | 2 | 2 | AZ | DM43 |
| K7JQ | 6 | 1 | 1 | 1 | AZ | DM43 |
| **K7ND** | **2** | **486** | **27** | **9** | **WA** | **CN87** |
| **W7OJT** | **2** | **320** | **16** | **10** | **AZ** | **DM24** |
| AF7GL | 2 | 250 | 25 | 5 | WA | CN96 |
| **N6ZE** | **Q** | **770** | **52** | **11** | **WA** | **CN87** |
| NM7TM | Q | 115 | 18 | 5 | WA | CN87 |
| **KB8U** | **A** | **7,656** | **84** | **66** | **MI** | **EN71** |
| **AA8MA** | **A** | **4,300** | **81** | **50** | **OH** | **EN80** |
| K8MR | A | 3,344 | 66 | 44 | OH | EN91 |
| K8WU | A | 2,628 | 57 | 36 | MI | EN82 |
| K4YJ | A | 2,016 | 49 | 36 | OH | EM88 |
| KB8ZR | A | 1,518 | 44 | 33 | OH | EM79 |
| N9NCY | A | 494 | 26 | 19 | MI | EN67 |
| K7DR | A | 286 | 22 | 13 | MI | EN82 |
| N8VW | A | 280 | 20 | 14 | OH | EN80 |
| W8RZ | A | 165 | 13 | 11 | MI | EN72 |
| N8TFD | A | 160 | 16 | 10 | OH | EM79 |
| W8KNO | A | 120 | 13 | 10 | OH | EN91 |
| WO3X | A | 110 | 10 | 10 | OH | EN91 |
| WB8WUA | A | 54 | 7 | 6 | OH | EN91 |
| N8FTB | A | 6 | 3 | 2 | OH | EN80 |
| **K9NW** | **6** | **15,105** | **161** | **95** | **OH** | **EM79** |
| **N8RY** | **6** | **10,602** | **173** | **62** | **MI** | **EN66** |
| KK8X | 6 | 7,383 | 114 | 69 | OH | EM99 |
| W3HKK | 6 | 4,655 | 97 | 49 | OH | EN80 |
| W8RU | 6 | 3,834 | 72 | 54 | MI | EN82 |
| N8QE | 6 | 2,496 | 66 | 39 | OH | EN91 |
| W8MRL | 6 | 2,242 | 61 | 38 | OH | EM79 |
| AC8TO | 6 | 1,920 | 53 | 40 | MI | EN82 |
| N8WL | 6 | 1,628 | 60 | 37 | OH | EN80 |
| KC8NZJ | 6 | 1,092 | 42 | 28 | OH | EN91 |
| AA8SW | 6 | 864 | 38 | 24 | OH | EM79 |
| WB8WKQ | 6 | 680 | 35 | 20 | MI | EN82 |
| W8TOM | 6 | 600 | 25 | 24 | MI | EN74 |
| KF8QL | 6 | 567 | 28 | 21 | MI | EN72 |
| KE8OTO | 6 | 520 | 29 | 20 | MI | EN72 |
| NS8O | 6 | 360 | 21 | 18 | OH | EM89 |
| K8RDG | 6 | 306 | 21 | 18 | MI | EN82 |
| K8MU | 6 | 288 | 23 | 16 | MI | EN82 |
| NS8K | 6 | 110 | 11 | 11 | MI | EN74 |
| AC8SW | 6 | 108 | 15 | 9 | MI | EN82 |
| KD8DZ | 6 | 81 | 10 | 9 | OH | EN80 |
| N8PVT | 6 | 56 | 8 | 7 | MI | EN64 |
| N9CX | 6 | 56 | 8 | 7 | OH | EN80 |
| KD8VMM | 6 | 36 | 6 | 6 | OH | EN81 |
| KB8W | 6 | 9 | 3 | 3 | MI | EN57 |
| **W5UHQ** | **Q** | **1,120** | **43** | **32** | **OH** | **EN80** |
| K8ZT | Q | 943 | 36 | 23 | OH | EN91 |
| **K2DRH** | **A** | **121,402** | **525** | **202** | **IL** | **EN41** |
| K9KLD | A | 41,160 | 254 | 140 | IL | EM58 |
| **W9GA** | **A** | **34,917** | **294** | **113** | **WI** | **EN53** |
| W9XT | A | 22,866 | 208 | 103 | WI | EN53 |
| WB9TFH | A | 17,661 | 191 | 87 | WI | EN53 |
| NØAKC | A | 8,875 | 128 | 71 | WI | EN44 |
| **W9DZ** | **A** | **6,519** | **103** | **53** | **IN** | **EN61** |
| KT8O | A | 5,170 | 74 | 55 | IN | EN71 |
| N9EAT | A | 4,004 | 77 | 52 | IL | EN41 |
| NY1V | A | 3,526 | 70 | 43 | IN | EM69 |
| KØPG | A | 2,888 | 74 | 38 | IL | EN51 |
| W3HDH | A | 1,650 | 55 | 30 | IL | EN50 |
| WV9E | A | 1,568 | 48 | 32 | WI | EN43 |
| KC9WIB | A | 1,500 | 50 | 30 | IL | EN61 |
| K9DJT | A | 1,457 | 37 | 31 | WI | EN63 |
| WD9EKA | A | 1,440 | 41 | 30 | IL | EM69 |
| KC9ELU | A | 1,295 | 38 | 35 | IN | EM79 |
| AC9WN | A | 943 | 40 | 23 | IL | EN51 |
| AC9EZ | A | 120 | 12 | 10 | IN | EN71 |
| N8HWV | A | 30 | 6 | 5 | WI | EN54 |
| WB9HFK | A | 9 | 3 | 3 | IL | EN50 |
| **WK9U** | **6** | **20,176** | **211** | **97** | **WI** | **EN65** |
| WA9TT | 6 | 15,379 | 172 | 91 | WI | EN54 |
| **NA9RB** | **6** | **7,560** | **109** | **72** | **IL** | **EN40** |
| W9AV | 6 | 6,804 | 109 | 63 | WI | EN43 |
| KD9QHQ | 6 | 3,456 | 75 | 48 | WI | EN54 |
| WO9B | 6 | 918 | 36 | 27 | WI | EN52 |
| N9HSJ | 6 | 552 | 29 | 23 | IL | EN51 |
| W9VQ | 6 | 504 | 30 | 18 | IL | EN61 |
| W9TA | 6 | 494 | 27 | 19 | WI | EN63 |
| WA9KIA | 6 | 440 | 26 | 20 | IL | EM49 |
| W9ILY | 6 | 420 | 28 | 15 | IL | EN51 |
| WB8BZK | 6 | 242 | 22 | 11 | IL | EN52 |
| N9LB | 6 | 168 | 14 | 12 | WI | EN52 |
| W9ZSJ | 6 | 72 | 10 | 8 | IL | EN52 |
| K9PMV | 6 | 49 | 7 | 7 | IL | EN61 |
| **N9DR** | **6** | **36** | **6** | **6** | **IN** | **EN70** |
| WA9LKZ | 6 | 36 | 9 | 4 | IL | EN62 |
| WA9PND | 6 | 25 | 5 | 5 | WI | EN53 |
| WA9LEY | 6 | 24 | 7 | 4 | IL | EN61 |
| KD8MRL | 6 | 16 | 4 | 4 | IL | EN50 |
| WA9GON | 6 | 16 | 4 | 4 | WI | EN54 |
| **KO9A** | **Q** | **44,875** | **315** | **125** | **IL** | **EN52** |

| | | | | | | |
|---|---|---|---|---|---|---|
| WB9AYW | Q | 3,002 | 70 | 38 | IL | EN51 |
| **K9PW** | **H** | **3,528** | **74** | **42** | **IL** | **EN61** |
| W9SZ | H | 703 | 27 | 19 | IL | EN50 |
| **NV9L** | **M** | **66,299** | **356** | **167** | **IL** | **EN60** |
| | | | | | **Ops: NV9L WB9Z** | |
| WD9EXD | M | 30,888 | 188 | 132 | IL | EM57 |
| | | | | Ops: WD9EXD W9AKW | | |
| N9YZA | M | 15,990 | 156 | 82 | IL | EN51 |
| | | | | Ops: N9YLZ N9YZA | | |
| **KA9VVQ** | **M** | **7,392** | **121** | **56** | **WI** | **EN43** |
| | | | | **Ops: KA9VVQ W9FZ** | | |
| **KAØPQW** | **A** | **10,498** | **183** | **58** | **MN** | **EN33** |
| NØHJZ | A | 6,968 | 128 | 52 | MN | EN34 |
| KØAWU | A | 6,840 | 108 | 60 | MN | EN37 |
| **KØNR** | **A** | **4,888** | **94** | **47** | **CO** | **DM78** |
| WØVTT | A | 3,280 | 73 | 41 | MN | EN33 |
| **KBØZOM** | **A** | **546** | **22** | **21** | **NE** | **EN00** |
| KBØKQI | A | 406 | 20 | 14 | CO | DM78 |
| WØETT | A | 336 | 20 | 12 | CO | DM79 |
| W8LYJ | A | 154 | 15 | 11 | CO | DN70 |
| **KØSCO** | **A** | **108** | **10** | **9** | **MO** | **EM48** |
| KØUK | A | 1 | 1 | 1 | CO | DM59 |
| **ACØRA** | **6** | **143,585** | **619** | **235** | **IA** | **EN42** |
| NØURW | 6 | 32,342 | 321 | 103 | IA | EN41 |
| **KØVG** | **6** | **32,226** | **268** | **123** | **MN** | **EN27** |
| WØJW | 6 | 15,444 | 157 | 99 | IA | EN31 |
| **WTØDX** | **6** | **14,694** | **165** | **93** | **CO** | **DM79** |
| **KSØAA** | **6** | **10,206** | **133** | **81** | **KS** | **EM28** |
| **KCØVEP** | **6** | **9,179** | **142** | **67** | **NE** | **EN11** |
| **WJØW** | **6** | **5,586** | **99** | **57** | **ND** | **EN08** |
| WØSEI | 6 | 5,220 | 93 | 60 | MN | EN35 |
| **K7BG** | **6** | **2,332** | **53** | **44** | **SD** | **DN94** |
| KFØAIJ | 6 | 1,624 | 58 | 29 | IA | EN31 |
| **NØAX** | **6** | **1,612** | **52** | **31** | **MO** | **EM48** |
| NYØA | 6 | 1,504 | 47 | 32 | MN | EN24 |
| KØJP | 6 | 1,479 | 51 | 29 | MN | EN18 |
| WØOHU | 6 | 1,426 | 47 | 31 | MN | EN33 |
| KØOP | 6 | 1,372 | 49 | 28 | MN | EN16 |
| KCØVDY | 6 | 1,020 | 35 | 30 | CO | DM59 |
| KØRJW | 6 | 936 | 36 | 26 | MN | EN35 |
| AAØCW | 6 | 812 | 36 | 29 | CO | DM58 |
| WDØT | 6 | 779 | 41 | 19 | SD | DN94 |
| KØSPN | 6 | 480 | 29 | 20 | KS | EM29 |
| NXØI | 6 | 154 | 16 | 11 | MO | EM29 |
| KØJV | 6 | 96 | 12 | 8 | SD | DN84 |
| KYØO | 6 | 6 | 3 | 2 | MO | EM29 |
| **WE7L** | **2** | **418** | **19** | **11** | **CO** | **DM79** |
| **NØUR** | **Q** | **23,901** | **253** | **93** | **MN** | **EN33** |
| NØSUW | Q | 1,575 | 46 | 35 | MN | EN34 |
| **ABØYM** | **Q** | **135** | **16** | **9** | **CO** | **DM79** |
| **NØJK** | **H** | **6** | **3** | **2** | **KS** | **EM28** |

### Rover

| | | | | | | |
|---|---|---|---|---|---|---|
| KG9OV | R | 22,420 | 154 | 118 | IL | 8 |
| AA5PR | R | 14,935 | 137 | 103 | NM | 5 |
| K9JK | R | 14,608 | 126 | 88 | IL | 6 |
| AE5P | R | 14,472 | 179 | 54 | LA | 6 |
| N6RH | R | 13,462 | 171 | 53 | TX | 6 |
| KI5FIQ | R | 12,189 | 161 | 51 | TX | 6 |
| KI5RAT | R | 11,985 | 158 | 51 | TX | 6 |
| N6GP | R | 5,820 | 85 | 60 | CA | 4 |
| NV4B | R | 5,162 | 71 | 58 | MS | 6 |
| KØBAK | R | 4,888 | 77 | 52 | PA | 4 |
| KK6MC | R | 4,644 | 79 | 54 | NM | 5 |
| WB6AGE | R | 3,655 | 85 | 43 | WA | 3 |
| KX6A | R | 3,600 | 90 | 30 | CA | 2 |
| WØZF | R | 3,528 | 71 | 49 | SD | 4 |
| KG6BXW | R | 2,135 | 53 | 35 | CA | 4 |
| KØBBC | R | 1,961 | 55 | 37 | SD | 3 |
| KO4IJH | R | 1,680 | 47 | 28 | VA | 3 |
| W3DHJ | R | 1,210 | 35 | 22 | CO | 4 |
| KE7MSU | R | 1,170 | 50 | 18 | OR | 2 |
| N6UTC | R | 576 | 23 | 18 | CA | 3 |
| N6JSO | R | 170 | 12 | 10 | CA | 2 |
| KD6EFQ | R | 140 | 13 | 7 | CA | 2 |

### CANADA

| | | | | | | |
|---|---|---|---|---|---|---|
| **VA2BN** | **A** | **37,536** | **277** | **138** | **QC** | **FN36** |
| **VE3WY** | **A** | **33,728** | **220** | **136** | **ON** | **FN04** |
| **VA6AN** | **A** | **23,328** | **201** | **108** | **AB** | **DO42** |
| VE2EBK | A | 12,240 | 147 | 85 | QC | FN46 |
| VE3RX | A | 12,144 | 134 | 88 | ON | EN96 |
| VE6BMX | A | 9,594 | 112 | 82 | AB | DO33 |
| VE3SMA | A | 9,180 | 117 | 68 | ON | FN03 |
| VE3RZ | A | 8,073 | 118 | 69 | ON | EN93 |
| VA3TIC | A | 5,208 | 85 | 62 | ON | FN14 |
| **VE7DAY** | **A** | **3,760** | **78** | **47** | **BC** | **CO70** |
| VE3NRT | A | 2,296 | 52 | 41 | ON | FN03 |
| VE7AFZ | A | 2,156 | 68 | 22 | BC | CN89 |
| VA6WWW | A | 2,100 | 48 | 42 | AB | DO20 |
| VE3EJ | A | 1,734 | 52 | 34 | ON | FN03 |
| VE3PJ | A | 1,591 | 44 | 37 | ON | FN14 |
| VE6MB | A | 1,443 | 38 | 37 | AB | DO20 |
| VA6MA | A | 740 | 29 | 20 | AB | DO33 |
| VE3SSR | A | 682 | 32 | 22 | ON | FN03 |
| VE7DX | A | 600 | 29 | 20 | BC | CN79 |
| VA7QI | A | 570 | 25 | 19 | BC | CO70 |
| VA2KD | A | 500 | 25 | 20 | QC | FN37 |
| VA2DG | A | 460 | 22 | 20 | QC | FN35 |
| VE3KP | A | 418 | 22 | 19 | ON | FN04 |
| VA7DXC | A | 407 | 28 | 11 | BC | CN89 |
| VE3KTB | A | 238 | 17 | 14 | ON | EN93 |
| VE7HR | A | 85 | 10 | 5 | BC | CN89 |
| VE3RVZ | A | 70 | 8 | 7 | ON | FN04 |
| **VA3PC** | **6** | **12,480** | **121** | **104** | **ON** | **FN06** |
| **VE6WQ** | **6** | **8,778** | **117** | **77** | **AB** | **DO33** |
| VE3MDX | 6 | 5,580 | 94 | 60 | ON | FN03 |
| VE3KI | 6 | 4,234 | 74 | 58 | ON | FN25 |
| VA3WB | 6 | 2,520 | 63 | 40 | ON | FN03 |
| **VA2LGQ** | **6** | **2,310** | **56** | **42** | **QC** | **FN15** |
| VE3DZ | 6 | 2,064 | 48 | 43 | ON | FN03 |
| VE3VHB | 6 | 1,505 | 45 | 35 | ON | FN24 |
| VE3CWU | 6 | 1,056 | 46 | 24 | ON | FN03 |
| **VO1KVT** | **6** | **760** | **40** | **19** | **NL** | **GN29** |
| **VA7ST** | **6** | **520** | **26** | **20** | **BC** | **DO00** |
| VE3QC | 6 | 378 | 21 | 18 | ON | FN25 |
| VA7DX | 6 | 300 | 25 | 12 | BC | CN89 |
| VE3BFU | 6 | 240 | 16 | 15 | ON | FN03 |
| VA3WEB | 6 | 225 | 17 | 15 | ON | FN03 |
| VE2HIT | 6 | 63 | 9 | 7 | QC | FN35 |
| VE7BC | 6 | 44 | 11 | 4 | BC | CN89 |
| VA3ZNW | 6 | 20 | 5 | 5 | ON | FN03 |
| **VE9RLW** | **6** | **16** | **4** | **4** | **MAR** | **FN57** |
| VE2HAY | 6 | 12 | 4 | 3 | QC | FN35 |
| VE9LEG | 6 | 4 | 2 | 2 | MAR | FN76 |
| **VA7USD** | **Q** | **100** | **11** | **5** | **BC** | **CN88** |
| **VE2NCG** | **H** | **3,744** | **70** | **52** | **QC** | **FN45** |
| **VE7KPM** | **H** | **100** | **10** | **5** | **BC** | **CN88** |
| **VE4YH** | **M** | **16,560** | **208** | **80** | **MB** | **EN19** |
| | | | | | **Ops: VE4YH VE4EA** | |
| **VE3OIL** | **R** | **5,368** | **84** | **61** | **ON** | **2** |
| **VE2GT** | **R** | **378** | **21** | **18** | **QC** | **2** |
| **VA7OTC** | **R** | **315** | **21** | **9** | **BC** | **2** |
| VE3RKS | R | 36 | 7 | 6 | ON | 1 |

### CUBA

| | | | | | | |
|---|---|---|---|---|---|---|
| **CM2RSV** | **6** | **1,911** | **53** | **39** | | **EL83** |

### DOMINICAN REPUBLIC

| | | | | | | |
|---|---|---|---|---|---|---|
| **HI8DL** | **A** | **368** | **19** | **16** | | **FK58** |

### MEXICO

| | | | | | | |
|---|---|---|---|---|---|---|
| **XE2X** | **6** | **7,254** | **120** | **62** | | **EL06** |
| **XE3N** | **6** | **2,990** | **65** | **46** | | **EL60** |
| **XE2JS** | **6** | **2,752** | **69** | **43** | | **DL68** |
| **XE2W** | **6** | **1,120** | **40** | **28** | | **DL95** |
| XE2NK | 6 | 800 | 34 | 25 | | DL95 |
| **XE2YWH** | **6** | **375** | **25** | **15** | | **DK89** |
| **4A5E** | **6** | **180** | **18** | **10** | | **DL90** |
| | | | | | | **Op: XE1EE** |
| **XE1AY** | **6** | **140** | **16** | **10** | | **DK79** |
| **XE3WM** | **6** | **132** | **12** | **11** | | **EL51** |
| **XE2JT** | **6** | **70** | **12** | **7** | | **DL64** |
| **XE2YWB** | **Q** | **4** | **2** | **2** | | **DL82** |

### PUERTO RICO

| | | | | | | |
|---|---|---|---|---|---|---|
| **WP3EF** | **A** | **616** | **26** | **22** | | **FK78** |
| **KP4RV** | **6** | **462** | **22** | **21** | | **FK78** |

## AFRICA

### CANARY ISLANDS

| | | | | | | |
|---|---|---|---|---|---|---|
| **EA8CTK** | **A** | **238** | **14** | **14** | | **IL18** |
| **EB8AC** | **A** | **54** | **7** | **6** | | **IL28** |
| **EA8AQV** | **6** | **506** | **24** | **22** | | **IL28** |
| **EA8BPX** | **2** | **176** | **11** | **8** | | **IL18** |

## ASIA

### ASIATIC RUSSIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **RV9OW** | **2** | **40** | **5** | **4** | | **NO15** |
| **UB8O** | **M** | **598** | **23** | **13** | | **MO94** |
| | | | | | **Ops: R8OAK R9OEN R9YDJ** | |

### ASIATIC TURKEY

| | | | | | | |
|---|---|---|---|---|---|---|
| **TA1CM** | **6** | **196** | **14** | **14** | | **KN30** |
| **TA4CS** | **6** | **1** | **1** | **1** | | **KM37** |
| **TA3MTM** | **2** | **8** | **2** | **2** | | **KM38** |
| **TC3A** | **M** | **30,250** | **251** | **121** | | **KM38** |
| | | | | | **Ops: TA3E TA3LHH** | |
| TC3EC | M | 19,260 | 215 | 90 | | KM38 |
| | | | | Ops: TA3NEB TA3AWB TA3SYM | | |

### CHINA

| | | | | | | |
|---|---|---|---|---|---|---|
| **BI1EIH** | **A** | **580** | **29** | **20** | | **ON80** |
| **BD6JN** | **A** | **380** | **21** | **19** | | **OM64** |
| **BG1TPT** | **A** | **36** | **6** | **6** | | **OM89** |
| **BA4SCP** | **A** | **30** | **6** | **5** | | **PM01** |
| **BGØAVI** | **A** | **9** | **3** | **3** | | **NN33** |
| **BA5CW** | **6** | **11,960** | **234** | **52** | | **PM00** |
| **BY6ANG** | **6** | **10,209** | **253** | **41** | | **OM90** |
| | | | | | | **Op: BG6CJR** |
| **BI8CKU** | **6** | **2,613** | **67** | **39** | | **OM20** |
| **BI1LID** | **6** | **630** | **31** | **21** | | **OM89** |
| BG1HGS | 6 | 544 | 32 | 17 | | OM89 |
| **BH6KWC** | **6** | **468** | **26** | **18** | | **OM64** |
| **BG5BAA** | **6** | **288** | **20** | **16** | | **OL99** |
| **BG6SNJ** | **6** | **273** | **21** | **13** | | **OM50** |
| **BG4FQD** | **6** | **231** | **21** | **11** | | **PM01** |
| BH4BFS | 6 | 198 | 18 | 11 | | PM01 |
| **BG6GQE** | **6** | **150** | **15** | **10** | | **OM82** |
| **B7/BH4UMN** | **6** | **120** | **12** | **10** | | **OL65** |
| **BH7ACO** | **6** | **108** | **12** | **9** | | **OL68** |
| **BG9HKP** | **6** | **100** | **12** | **10** | | **OM16** |
| BD1RCR | 6 | 36 | 6 | 6 | | OM89 |
| BH4BUI | 6 | 25 | 5 | 5 | | PM01 |
| **BG2KZP** | **6** | **2** | **2** | **2** | | **PN42** |
| **BI7MPS** | **6** | **1** | **1** | **1** | | **OL72** |
| **BD4SYH** | **Q** | **532** | **28** | **19** | | **OM92** |
| **BH3BBJ** | **Q** | **28** | **7** | **4** | | **OM89** |
| **BA7LAC** | **Q** | **12** | **4** | **3** | | **OL63** |
| BG6LH | Q | 4 | 2 | 2 | | OM89 |
| **BG2KAJ** | **R** | **4,400** | **100** | **44** | | **2** |

### HONG KONG

| | | | | | | |
|---|---|---|---|---|---|---|
| **VR2XYL** | **6** | **224** | **17** | **16** | | **OL72** |

### INDIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **VU2GRM** | **A** | **128** | **21** | **4** | | **MK82** |
| **VU2GHO** | **A** | **120** | **17** | **5** | | **MK83** |
| VU2BGS | A | 90 | 13 | 5 | | MK82 |
| VU2MGS | A | 27 | 7 | 3 | | MK83 |
| VU3UZD | A | 18 | 9 | 2 | | MK82 |
| **VU2IBI** | **Q** | **8** | **4** | **2** | | **MK82** |

### JAPAN

| | | | | | | |
|---|---|---|---|---|---|---|
| **JH1VIX** | **A** | **3,630** | **118** | **22** | | **PM95** |
| **JO4CFV** | **A** | **399** | **21** | **19** | | **PM64** |
| **JR3UIC** | **A** | **280** | **20** | **14** | | **PM74** |
| **JK3HFN** | **A** | **180** | **14** | **12** | | **PM75** |
| JG3DHN | A | 28 | 6 | 4 | | PM95 |
| JHØMUC/Ø | A | 8 | 2 | 2 | | PM95 |
| **7L4IOU** | **6** | **2,108** | **68** | **31** | | **PM95** |
| **JH9DRL** | **6** | **1,870** | **57** | **34** | | **PM86** |
| **JL3MCM** | **6** | **1,326** | **41** | **34** | | **PM74** |
| **JE1BMJ** | **6** | **1,089** | **33** | **33** | | **QM05** |
| **JO7KMB** | **6** | **858** | **34** | **26** | | **QM09** |
| **JA8RUZ** | **6** | **663** | **39** | **17** | | **QN13** |
| **JR4CZM** | **6** | **494** | **26** | **19** | | **PM85** |
| **JE2BOM** | **6** | **330** | **23** | **15** | | **PM84** |
| JA1IE | 6 | 187 | 17 | 11 | | PM95 |
| **JK2TTP** | **6** | **132** | **12** | **11** | | **PM83** |
| **JA7KPI** | **6** | **100** | **10** | **10** | | **QN00** |
| 7K4VPV | 6 | 99 | 11 | 9 | | PM95 |
| JA1SCE | 6 | 90 | 10 | 9 | | PM95 |
| JF2FIU | 6 | 88 | 12 | 8 | | PM84 |
| JRØQFA | 6 | 72 | 9 | 8 | | PM85 |
| JI1IKC | 6 | 70 | 10 | 7 | | PM95 |
| JA3RAZ | 6 | 49 | 8 | 7 | | PM74 |
| JP1LRT | 6 | 42 | 7 | 6 | | PM95 |
| **JK8PBO** | **6** | **30** | **6** | **5** | | **QN03** |
| **JS6UGC** | **6** | **25** | **5** | **5** | | **PL36** |
| JJ1IDW | 6 | 16 | 4 | 4 | | PM95 |
| JA1CRJ | 6 | 9 | 3 | 3 | | PM95 |
| **JR3XEX** | **6** | **6** | **3** | **3** | | **PM75** |
| **JA6WFM** | **6** | **4** | **2** | **2** | | **PM52** |
| JG2KGS | 6 | 4 | 2 | 2 | | PM84 |
| JJ1ONK | 6 | 4 | 2 | 2 | | PM95 |
| JR6HYO/1 | 6 | 4 | 2 | 2 | | PM95 |
| JA3GOJ | 6 | 1 | 1 | 1 | | PM75 |
| JA7WXL | 6 | 1 | 1 | 1 | | QN00 |
| **JE8UHY** | **6** | **1** | **1** | **1** | | **QN12** |
| **JS3CGH/5** | **6** | **1** | **1** | **1** | | **PM73** |
| **JF1RYU** | **2** | **1,628** | **75** | **11** | | **PM96** |
| **JF1TEU** | **2** | **6** | **3** | **1** | | **QM05** |
| **JA1RRA** | **2** | **4** | **2** | **1** | | **PM95** |
| **JN1OKV** | **Q** | **172** | **22** | **4** | | **PM95** |
| JR1NKN | Q | 136 | 17 | 8 | | PM95 |
| **JA1KPF** | **Q** | **40** | **8** | **5** | | **QM06** |
| JE1ILP | Q | 35 | 9 | 5 | | PM95 |
| **JH7UJU** | **Q** | **20** | **4** | **4** | | **QM08** |
| **JR1UJX/2** | **H** | **2,475** | **65** | **25** | | **PM85** |
| **JJ1WWL** | **R** | **300** | **23** | **15** | | **2** |

### KAZAKHSTAN

| | | | | | | |
|---|---|---|---|---|---|---|
| **UP4L** | **6** | **3,081** | **81** | **39** | | **MO13** |
| | | | | | | **Op: UN7LZ** |
| **UN3G** | **6** | **972** | **36** | **27** | | **MN83** |

### KOREA

| | | | | | | |
|---|---|---|---|---|---|---|
| **HL3AMO** | **A** | **5,280** | **123** | **44** | | **PM36** |
| **HL2ZN** | **6** | **7,752** | **137** | **57** | | **PM37** |
| DS4EOI | 6 | 2,964 | 78 | 39 | | PM37 |
| HL2KV | 6 | 902 | 44 | 22 | | PM37 |
| HL1VAU | 6 | 320 | 20 | 16 | | PM37 |

### SAUDI ARABIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **7Z1SJ** | **6** | **7,632** | **109** | **72** | | **LL25** |
| **HZ1SK** | **6** | **918** | **35** | **27** | | **KL91** |
| **HZ1BW** | **6** | **380** | **21** | **19** | | **LL34** |

### TAIWAN

| | | | | | | |
|---|---|---|---|---|---|---|
| **BV5PD** | **6** | **81** | **11** | **9** | | **PL03** |

### THAILAND

| | | | | | | |
|---|---|---|---|---|---|---|
| **E2ØWVV** | **2** | **648** | **108** | **3** | | **OK03** |
| E22UYH | 2 | 292 | 73 | 2 | | OK03 |
| E24PCN | 2 | 252 | 42 | 3 | | OK03 |
| E25CHO | 2 | 184 | 47 | 2 | | OK03 |
| E25ANG | 2 | 120 | 30 | 2 | | OK03 |
| **E2ØMDN** | **2** | **102** | **17** | **3** | | **OK04** |
| E29EKF | 2 | 90 | 16 | 3 | | OK04 |
| **E25ETT** | **2** | **66** | **11** | **3** | | **OK12** |
| **E24QND** | **Q** | **2,744** | **98** | **14** | | **OK16** |
| **E24ZPU** | **Q** | **78** | **13** | **3** | | **NK92** |
| **E24ICU** | **Q** | **40** | **20** | **1** | | **OJ06** |
| **E25CHP** | **Q** | **24** | **6** | **2** | | **OK03** |
| E25JNR | Q | 14 | 7 | 1 | | OK03 |
| **E21AP** | **Q** | **4** | **2** | **1** | | **OK17** |
| E27EK | Q | 4 | 2 | 1 | | OK03 |
| **HS8JNF/P** | **H** | **132** | **22** | **3** | | **NJ98** |
| **E25GNL** | **M** | **10,332** | **289** | **18** | | **OK03** |
| | | | | | **Ops: E25GNL E25LOB E24ZPX** | |
| | | | | | **E25MAP E25LBD** | |
| **E21AK** | **M** | **750** | **75** | **5** | | **OK04** |
| | | | | | **Ops: E24SMC E2ØSJC** | |
| **E22FFJ/R** | **R** | **726** | **33** | **11** | | **6** |

### UNITED ARAB EMIRATES

| | | | | | | |
|---|---|---|---|---|---|---|
| **A65BR** | **6** | **168** | **14** | **12** | | **LL75** |

### WEST MALAYSIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **9W2DRH** | **A** | **2** | **2** | **1** | | **OJ05** |
| 9W2UPI | A | 1 | 1 | 1 | | OJ05 |
| **9W2FHG** | **6** | **8** | **4** | **2** | | **OJ05** |
| 9W2HXP | 6 | 3 | 3 | 1 | | OJ05 |
| **9W2TMA** | **2** | **2** | **1** | **1** | | **OJ12** |
| **9W2EYR** | **Q** | **4** | **4** | **1** | | **OJ05** |
| **9M2CDX** | **Q** | **2** | **1** | **1** | | **OJ11** |

## EUROPE

### AUSTRIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **OE3MDB** | **6** | **288** | **18** | **16** | | **JN88** |

### BALEARIC ISLANDS

| | | | | | | |
|---|---|---|---|---|---|---|
| **EA6SA** | **6** | **26,718** | **225** | **122** | | **JM19** |

### BELARUS

| | | | | | | |
|---|---|---|---|---|---|---|
| **EW1CD** | **2** | **544** | **18** | **16** | | **KO34** |
| **EW/R3XA** | **2** | **416** | **16** | **13** | | **KO33** |

### BELGIUM

| | | | | | | |
|---|---|---|---|---|---|---|
| **ON5JT** | **A** | **858** | **34** | **26** | | **JO10** |

### BOSNIA AND HERZEGOVINA

| | | | | | | |
|---|---|---|---|---|---|---|
| **E77A** | **6** | **30,171** | **267** | **113** | | **JN83** |
| **E74G** | **2** | **7,440** | **121** | **31** | | **JN94** |
| **E78AX** | **Q** | **1,110** | **37** | **30** | | **JN83** |
| **E7GZ** | **M** | **196** | **15** | **14** | | **JN93** |
| | | | | | **Ops: E73PS E75CV** | |

### BULGARIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **LZ1VDR** | **6** | **2,993** | **73** | **41** | | **KN12** |
| **LZ1HW** | **6** | **1,961** | **55** | **37** | | **KN13** |
| **LZ3DP** | **6** | **1,664** | **52** | **32** | | **KN32** |
| **LZ2CH** | **Q** | **980** | **35** | **28** | | **KN34** |

### CROATIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **9A3QB** | **A** | **4,708** | **69** | **44** | | **JN95** |
| **9A6TT** | **6** | **910** | **35** | **26** | | **JN85** |
| **9A/S57KM** | **6** | **340** | **21** | **17** | | **JN74** |
| **9A/SQ5NPXQ** | | **2** | **1** | **1** | | **JN83** |
| **9A1I** | **M** | **6,422** | **99** | **38** | | **JN85** |
| | | | | | **Ops: 9A9I 9A7IQG** | |

### CZECH REPUBLIC

| | | | | | | |
|---|---|---|---|---|---|---|
| **OK2TS** | **6** | **56** | **8** | **7** | | **JN89** |
| **OK1RDO** | **M** | **28,890** | **200** | **90** | | **JN69** |
| | | | | | **Ops: OK1DC OK1TX OK1NMJ OK1NYD OK1HRD** | |

### DENMARK

| | | | | | | |
|---|---|---|---|---|---|---|
| **OZ9V** | **6** | **594** | **28** | **22** | | **JO46** |
| **OZ1CK** | **6** | **168** | **14** | **12** | | **JO56** |
| **OZ6OM** | **Q** | **552** | **26** | **24** | | **JO55** |

### ENGLAND

| | | | | | | |
|---|---|---|---|---|---|---|
| **G4OED** | **A** | **10,428** | **123** | **79** | | **IO91** |
| **MØHOM** | **A** | **3,726** | **81** | **46** | | **IO93** |
| **MØMCV** | **6** | **575** | **25** | **23** | | **JO01** |
| G4PVM | 6 | 323 | 19 | 17 | | JO01 |
| **M5W** | **Q** | **10,086** | **125** | **82** | | **IO80** |
| | | | | | | **Op: MØHMJ** |
| **G1E** | **M** | **2,482** | **52** | **34** | | **JO00** |
| | | | | | **Ops: GØPOI G1TPA MØCFO MØABT** | |

### EUROPEAN RUSSIA

| | | | | | | |
|---|---|---|---|---|---|---|
| **RX6APY** | **2** | **1,326** | **40** | **17** | | **KN95** |
| **RL3F** | **2** | **1,088** | **35** | **16** | | **KO95** |
| **R7MU** | **2** | **704** | **22** | **16** | | **LN07** |
| **R6YP** | **2** | **240** | **15** | **8** | | **LN04** |
| **R7LP** | **2** | **216** | **13** | **9** | | **KN96** |
| **RN3QRY** | **2** | **70** | **7** | **5** | | **KO91** |
| **R7TJ** | **2** | **8** | **2** | **2** | | **LN05** |
| R7MW | 2 | 2 | 1 | 1 | | LN07 |
| **RW3AI** | **Q** | **2** | **1** | **1** | | **KO85** |
| **UA6AH** | **M** | **1,900** | **50** | **19** | | **KN94** |
| | | | | | **Ops: RW6ACM UA6AH** | |

### FINLAND

| | | | | | | |
|---|---|---|---|---|---|---|
| **OH6AC** | **6** | **952** | **34** | **28** | | **KP12** |

### FRANCE

| | | | | | | |
|---|---|---|---|---|---|---|
| **F4ARU** | **6** | **32,604** | **231** | **143** | | **JN03** |
| **F5VMN** | **6** | **4,131** | **82** | **51** | | **IN93** |
| **F5SGI** | **6** | **2,016** | **48** | **42** | | **IN87** |
| **TM2R** | **6** | **361** | **20** | **19** | | **JN16** |
| | | | | | | **Op: F4ARM** |
| **F6UGW** | **6** | **323** | **19** | **17** | | **JO11** |
| **F4GFT** | **6** | **36** | **6** | **6** | | **JN18** |
| **F4IRT** | **6** | **9** | **3** | **3** | | **JN08** |
| **FØFEK** | **Q** | **768** | **24** | **16** | | **JN19** |
| **F6CWA** | **Q** | **323** | **19** | **17** | | **JN25** |
| **F6FJE/P** | **Q** | **2** | **2** | **2** | | **JN18** |

### GERMANY

| | | | | | | |
|---|---|---|---|---|---|---|
| **DK5KK** | **A** | **5,120** | **80** | **64** | | **JO31** |
| **DL5YM** | **A** | **1,320** | **40** | **33** | | **JO72** |
| **DK2OY** | **6** | **14,523** | **141** | **103** | | **JO44** |
| **DL7BC** | **6** | **9,200** | **116** | **80** | | **JN38** |
| **DL1ET** | **6** | **2,150** | **52** | **43** | | **JO31** |
| **DH6DAO** | **6** | **1,520** | **41** | **38** | | **JO41** |
| **DG6ME** | **6** | **1,085** | **36** | **31** | | **JO51** |
| DD2AW | 6 | 1,020 | 35 | 30 | | JO31 |
| DG1EAD | 6 | 868 | 32 | 28 | | JO31 |
| DL1EAL | 6 | 616 | 29 | 22 | | JO31 |
| **DL9ZP** | **6** | **575** | **25** | **23** | | **JO53** |
| **DG9MA** | **6** | **529** | **24** | **23** | | **JN58** |
| DK2CF | 6 | 504 | 24 | 21 | | JO41 |
| **DB5SM** | **6** | **420** | **22** | **20** | | **JN59** |
| DF2F | 6 | 418 | 22 | 19 | | JO31 |
| | | | | | | Op: DF2SD |
| DL2SWR | 6 | 306 | 18 | 18 | | JO53 |
| DL4JU | 6 | 132 | 12 | 11 | | JO31 |
| **DF5BX** | **6** | **110** | **11** | **10** | | **JO42** |
| DL9LM | 6 | 64 | 8 | 8 | | JO53 |
| **DL1DBR** | **2** | **5,888** | **92** | **32** | | **JO41** |
| **DO1FDK** | **Q** | **2,184** | **46** | **39** | | **JO71** |
| **DF7XR** | **Q** | **16** | **4** | **4** | | **JO42** |

### GREECE

| | | | | | | |
|---|---|---|---|---|---|---|
| **SV6JHA** | **6** | **28,560** | **281** | **102** | | **KM09** |
| **SV2AEL** | **6** | **28,063** | **215** | **133** | | **KN10** |
| **SV3RPQ** | **6** | **4,664** | **89** | **53** | | **KM18** |
| **SV3SKM** | **6** | **2,726** | **60** | **47** | | **KM08** |
| **J48KEF** | **M** | **6,372** | **105** | **59** | | **KM08** |
| | | | | | **Ops: SVØFM SV8EAY SV8CKJ** | |

### HUNGARY

| | | | | | | |
|---|---|---|---|---|---|---|
| **HA7LW** | **6** | **342** | **19** | **18** | | **JN97** |
| **HA4BF** | **2** | **1,880** | **47** | **20** | | **JN97** |

### IRELAND

| | | | | | | |
|---|---|---|---|---|---|---|
| **EI8KN** | **A** | **5,270** | **85** | **62** | | **IO62** |

### ITALY

| | | | | | | |
|---|---|---|---|---|---|---|
| **I1JTQ** | **A** | **19,504** | **162** | **92** | | **JN34** |
| **IC8TEM** | **A** | **6,768** | **87** | **72** | | **JN70** |
| **IK7LMX** | **A** | **6,745** | **97** | **71** | | **JN80** |
| **IZ3ALW** | **A** | **4** | **2** | **2** | | **JN66** |
| **IZ5EME** | **6** | **32,800** | **203** | **164** | | **JN52** |

| | | | | | |
|---|---|---|---|---|---|
| **IT9CKA** | **6** | **4,524** | **79** | **58** | **JM68** |
| **IZ5HQB** | **6** | **2,784** | **62** | **48** | **JN53** |
| IU5ICR | 6 | 1,512 | 43 | 36 | JN53 |
| **I4LCK** | **6** | **1,320** | **46** | **30** | **JN54** |
| IZ5XRC | 6 | 992 | 34 | 31 | JN53 |
| I4IKW | 6 | 928 | 32 | 29 | JN54 |
| **IW9CTJ** | **6** | **928** | **33** | **29** | **JM77** |
| I4JEE | 6 | 575 | 26 | 23 | JN54 |
| **IK3SSG** | **6** | **456** | **24** | **19** | **JN55** |
| IU5MOC | 6 | 440 | 22 | 20 | JN53 |
| IT9BNX | 6 | 425 | 25 | 17 | JM68 |
| **IK1JJM** | **6** | **256** | **17** | **16** | **JN45** |
| IT9MBZ/ IT9 | 6 | 130 | 15 | 10 | JM68 |
| **IK1NEG** | **6** | **49** | **7** | **7** | **JN43** |
| IZ5YBK | 6 | 49 | 7 | 7 | JN53 |
| IZ2CSX | 6 | 1 | 1 | 1 | JN45 |
| **IZ7UMS** | **2** | **2,750** | **55** | **25** | **JN81** |
| **IK8YFU** | **2** | **108** | **9** | **6** | **JM88** |
| **IU4CSS** | **2** | **32** | **4** | **4** | **JN54** |
| **IZ2OOS** | **Q** | **1,184** | **38** | **32** | **JN45** |
| **IZ3NVR** | **H** | **3,060** | **62** | **51** | **JN65** |

### LATVIA

| | | | | | |
|---|---|---|---|---|---|
| **YL1ZF** | **6** | **17,640** | **181** | **98** | **KO27** |
| YL2SW | 6 | 3,243 | 73 | 47 | KO27 |
| **YL2QG** | **6** | **2,262** | **59** | **39** | **KO06** |
| **YL2AO** | **6** | **1,804** | **45** | **41** | **KO16** |
| **YL2GN** | **6** | **1,634** | **44** | **38** | **KO37** |
| **YL2LW** | **6** | **1,480** | **42** | **37** | **KO26** |
| YL3CU | 6 | 1,280 | 40 | 32 | KO06 |
| YL2CP | 6 | 775 | 33 | 25 | KO27 |
| YL2TD | 6 | 357 | 22 | 17 | KO26 |
| YL2EA | 6 | 252 | 19 | 14 | KO26 |
| **YL2PJ** | **6** | **42** | **7** | **6** | **KO36** |
| **YL2II** | **2** | **360** | **15** | **12** | **KO26** |
| **YL3FW** | **Q** | **12** | **4** | **3** | **KO06** |

### LITHUANIA

| | | | | | |
|---|---|---|---|---|---|
| **LY3BRA** | **A** | **672** | **27** | **24** | **KO14** |
| **LY1R** | **6** | **1,458** | **56** | **27** | **KO14** |
| **LY2BUU** | **6** | **616** | **28** | **22** | **KO25** |
| LY2SA | 6 | 440 | 22 | 20 | KO14 |
| **LY5I** | **6** | **143** | **13** | **11** | **KO35** |
| **LY2BBF** | **2** | **448** | **16** | **14** | **KO24** |
| **LYØNAS** | **Q** | **884** | **35** | **26** | **KO25** |
| **LY5W** | **M** | **16,600** | **168** | **100** | **KO15** |

### NETHERLANDS

| | | | | | |
|---|---|---|---|---|---|
| **PA5WT** | **6** | **5,304** | **78** | **68** | **JO22** |
| **PA5KT** | **6** | **2,112** | **50** | **44** | **JO11** |
| PE1EWR | 6 | 484 | 22 | 22 | JO11 |
| **PC3T** | **6** | **42** | **7** | **6** | **JO21** |
| **PAØFEI** | **Q** | **72** | **9** | **8** | **JO33** |

### NORTH MACEDONIA

| | | | | | |
|---|---|---|---|---|---|
| **Z36W** | **6** | **3,124** | **72** | **44** | **KN11** |
| **Z33B** | **6** | **800** | **33** | **25** | **KN01** |

### NORWAY

| | | | | | |
|---|---|---|---|---|---|
| **LA5LJA** | **6** | **484** | **23** | **22** | **JP50** |

### POLAND

| | | | | | |
|---|---|---|---|---|---|
| **SO4ATA** | **A** | **660** | **31** | **20** | **KO13** |
| **SP8SN** | **A** | **204** | **13** | **12** | **KO11** |
| **SP6JOE** | **6** | **3,630** | **66** | **55** | **JO80** |
| **SP8ALT** | **6** | **2,700** | **75** | **36** | **KO11** |
| **SP5GNI** | **6** | **1,710** | **46** | **38** | **KO02** |
| SP5UFK | 6 | 1,271 | 41 | 31 | KO02 |
| SP6DHH | 6 | 672 | 31 | 24 | JO80 |
| HF5WIM | 6 | 527 | 31 | 17 | KO02 |
| **SQ1FYY** | **6** | **494** | **27** | **19** | **JO74** |
| **SP4BEU** | **6** | **418** | **22** | **19** | **KO03** |
| SQ6ELV | 6 | 360 | 20 | 18 | JO80 |
| **SP7AWG** | **6** | **304** | **20** | **16** | **JO91** |
| **SQ3R** | **6** | **289** | **18** | **17** | **JO71** |
| **SP9JBE** | **6** | **90** | **11** | **9** | **KN09** |
| **SP1DRD** | **6** | **56** | **8** | **8** | **JO73** |
| SP7MJL | 6 | 16 | 4 | 4 | KO02 |
| **SP9RVF** | **2** | **342** | **19** | **9** | **JO90** |
| **SP9SDF** | **Q** | **418** | **23** | **19** | **JN99** |
| **SP2MGR** | **Q** | **1** | **1** | **1** | **JO94** |
| **SP9KJM** | **M** | **2,790** | **62** | **45** | **JO90** |
| **Ops: SQ9MLZ SP9TDA SP2NNO SQ9NIU SP9DLM SQ9RZ** | | | | | |

### PORTUGAL

| | | | | | |
|---|---|---|---|---|---|
| **CT7AKG** | **A** | **54** | **6** | **6** | **IN60** |
| **CT1BRM** | **6** | **12** | **4** | **3** | **IM58** |
| **CT7AUP** | **6** | **1** | **1** | **1** | **IM58** |
| **CT1END** | **Q** | **1,221** | **37** | **33** | **IM58** |

### ROMANIA

| | | | | | |
|---|---|---|---|---|---|
| **YO2GL** | **A** | **4,524** | **76** | **58** | **KN05** |
| **YO5PUV/P** | **6** | **11,352** | **134** | **86** | **KN16** |
| **YO7LBX** | **6** | **7,920** | **145** | **55** | **KN15** |
| **YO2NAA** | **6** | **6,984** | **97** | **72** | **KN05** |
| **YQ6A** | **6** | **2,560** | **64** | **40** | **KN25** |
| **Op: YO6BHN** | | | | | |
| **YO5PVZ** | **6** | **1,479** | **51** | **29** | **KN17** |
| YO5DAS | 6 | 910 | 36 | 26 | KN17 |
| YO2LEL | 6 | 868 | 33 | 28 | KN05 |
| **YO7LDT** | **6** | **667** | **29** | **23** | **KN14** |
| **YO4FZX** | **6** | **598** | **26** | **23** | **KN45** |
| **YO9BXE** | **6** | **342** | **19** | **18** | **KN24** |
| YO6BHN | 6 | 323 | 19 | 17 | KN25 |
| **YO8TGE** | **6** | **224** | **16** | **14** | **KN36** |
| **YO8DOH** | **6** | **154** | **14** | **11** | **KN37** |
| YO5CTS | 6 | 150 | 15 | 10 | KN17 |
| YO8BGE | 6 | 80 | 10 | 10 | KN36 |
| **YR8D** | **2** | **3,456** | **48** | **36** | **KN27** |
| **Op: YO8SSB** | | | | | |
| **YO9CWY/P** | **2** | **216** | **14** | **9** | **KN35** |
| YO3JW | 2 | 96 | 8 | 6 | KN35 |
| YO9CLG | 2 | 60 | 7 | 5 | KN35 |
| **YO9BCM** | **Q** | **896** | **31** | **28** | **KN35** |
| **YO3GNF/P** | **Q** | **2** | **1** | **1** | **KN25** |

### SARDINIA

| | | | | | |
|---|---|---|---|---|---|
| **ISØBSR** | **6** | **70,110** | **371** | **190** | **JN40** |
| **ISØ/ON4EI** | **6** | **27,233** | **247** | **113** | **JN41** |

### SCOTLAND

| | | | | | |
|---|---|---|---|---|---|
| **MMØGOR** | **6** | **684** | **38** | **18** | **IO85** |

### SERBIA

| | | | | | |
|---|---|---|---|---|---|
| **YU1RA** | **A** | **1,519** | **49** | **31** | **KN04** |
| **YUØT** | **6** | **15,040** | **164** | **94** | **JN93** |
| **YT2TNT** | **6** | **884** | **34** | **26** | **KN04** |
| YU1MS | 6 | 63 | 10 | 9 | KN04 |
| **YU1NR** | **Q** | **216** | **19** | **12** | **KN03** |

### SLOVAK REPUBLIC

| | | | | | |
|---|---|---|---|---|---|
| **OM6TX** | **2** | **3,686** | **97** | **19** | **JN99** |
| **OM3KHT** | **M** | **140** | **10** | **7** | **JN98** |
| **Ops: OM7ANT OM6AT** | | | | | |

### SLOVENIA

| | | | | | |
|---|---|---|---|---|---|
| **S5ØDK** | **A** | **121** | **11** | **11** | **JN76** |
| **S52CC** | **6** | **48** | **8** | **8** | **JN76** |
| **S56P** | **2** | **22,040** | **191** | **58** | **JN76** |

### SPAIN

| | | | | | |
|---|---|---|---|---|---|
| **EA3AYQ** | **6** | **3,692** | **72** | **52** | **JN11** |
| **EA3RCI** | **M** | **480** | **25** | **20** | **JN02** |
| **Ops: EA3ATO EA3DUR EA3IME** | | | | | |

### SWEDEN

| | | | | | |
|---|---|---|---|---|---|
| **SE6K** | **6** | **3,072** | **66** | **48** | **JO66** |
| **Op: SM6FZO** | | | | | |
| **SM6OEF** | **6** | **306** | **18** | **18** | **JO68** |
| **SM1TDE** | **6** | **9** | **3** | **3** | **JO97** |

### UKRAINE

| | | | | | |
|---|---|---|---|---|---|
| **UW8SM** | **A** | **53,130** | **311** | **161** | **KN28** |
| **UT5ECZ** | **A** | **19,153** | **174** | **107** | **KN68** |
| **UT2QQ** | **A** | **3,900** | **63** | **39** | **KN77** |
| **UT7UA/P** | **A** | **2,501** | **62** | **41** | **KO20** |
| **UY5QZ** | **A** | **2,379** | **52** | **39** | **KN77** |
| **UT6CW** | **A** | **1,464** | **61** | **24** | **KN58** |
| UR4QV | A | 1,071 | 31 | 21 | KN77 |
| **UX3IW** | **A** | **868** | **30** | **28** | **KN88** |
| **UT2EC** | **A** | **520** | **25** | **13** | **KN67** |
| **UR4IPW** | **A** | **108** | **9** | **9** | **KN97** |
| **UR5ECW** | **A** | **66** | **11** | **6** | **KN78** |
| **UT5X** | **6** | **62,658** | **355** | **177** | **KO40** |
| **Op: UT2XQ** | | | | | |
| UT4XU | 6 | 26,112 | 213 | 128 | KO40 |
| **US0KW** | **6** | **10,184** | **134** | **76** | **KO30** |
| **UT5ERP** | **6** | **4,800** | **78** | **64** | **KN77** |
| **UT3UA** | **6** | **3,795** | **71** | **55** | **KO50** |
| **UR1HR** | **6** | **3,332** | **70** | **49** | **KO60** |
| UY5ZZ | 6 | 3,100 | 63 | 50 | KO50 |
| **UT5EL** | **6** | **3,087** | **63** | **49** | **KO31** |
| **UR7EU** | **6** | **2,236** | **53** | **43** | **KN78** |
| UT2UB | 6 | 1,715 | 52 | 35 | KO50 |
| **UT1KY/P** | **6** | **247** | **19** | **13** | **KO20** |
| UT5EA | 6 | 117 | 13 | 9 | KN78 |
| **US6CQ** | **6** | **110** | **11** | **10** | **KN69** |
| UR4QFP | 6 | 99 | 11 | 9 | KN77 |
| **UX8IX** | **6** | **20** | **5** | **4** | **KN87** |
| **UX7LL** | **6** | **16** | **4** | **4** | **KO80** |
| UR7LY | 6 | 15 | 5 | 5 | KO80 |
| **UX3IT** | **6** | **1** | **1** | **1** | **KN88** |
| **EM8A** | **2** | **9,506** | **98** | **49** | **KO60** |
| **Op: US8AR** | | | | | |
| **UR7IMM** | **2** | **4,960** | **62** | **40** | **KN88** |
| UV8IF | 2 | 4,320 | 73 | 30 | KN88 |
| **UXØQQ** | **2** | **3,276** | **80** | **21** | **KN87** |
| **UR6QS** | **2** | **3,172** | **61** | **26** | **KN77** |
| **UT8LE** | **2** | **3,000** | **50** | **30** | **KN79** |
| US4ICG | 2 | 1,980 | 46 | 22 | KN87 |
| **US5QGL** | **2** | **960** | **30** | **16** | **KN86** |
| UY5YA | 2 | 840 | 29 | 15 | KN77 |
| **UT9UR** | **2** | **510** | **17** | **15** | **KO40** |
| UR7QDO | 2 | 324 | 18 | 9 | KN77 |
| **UR5ETN** | **2** | **144** | **12** | **6** | **KN78** |
| UW5EIY | 2 | 136 | 17 | 4 | KN77 |
| UV3QF | 2 | 80 | 10 | 4 | KN77 |
| UR7QDU | 2 | 56 | 7 | 4 | KN77 |
| **UR5ZHP** | **2** | **40** | **5** | **4** | **KN66** |
| **US5EY** | **2** | **16** | **4** | **2** | **KN67** |
| **UZ7W** | **Q** | **13,360** | **168** | **80** | **KN18** |
| **Op: UT4WA** | | | | | |
| **UT6EY** | **Q** | **1,750** | **35** | **25** | **KN77** |
| **UW5EGT** | **Q** | **396** | **22** | **9** | **KN67** |
| USØGB | Q | 210 | 16 | 7 | KN67 |
| **UT3IB** | **Q** | **168** | **15** | **14** | **KN98** |
| **UX2QL** | **Q** | **48** | **6** | **4** | **KN87** |
| UR3QTN | Q | 36 | 6 | 3 | KN77 |
| **UTØNB** | **Q** | **20** | **5** | **4** | **KN48** |
| UW5EMJ | Q | 6 | 3 | 1 | KN67 |
| **UR4RZA** | **H** | **2,052** | **56** | **36** | **KO51** |
| **Op: UY2RY** | | | | | |
| UY2RA | H | 1,518 | 44 | 33 | KO51 |
| **UT1IC** | **H** | **615** | **28** | **15** | **KN87** |
| **UR3ALL** | **H** | **8** | **2** | **2** | **KO71** |
| **UZ2I** | **M** | **24,570** | **171** | **105** | **KN88** |
| **Ops: UT2II UT2IV US2IR US1ITU UY2IF UX6IZ UT2IJ** | | | | | |
| **EM5ØQWWM** | | **16,430** | **165** | **106** | **KN77** |
| **Ops: UR9QQ UR5QW** | | | | | |
| **UR4EWA** | **M** | **12,358** | **137** | **74** | **KN67** |
| **Ops: UTØEK US5EGP UW5ELR** | | | | | |
| **UT1IZZ** | **M** | **976** | **62** | **8** | **KN97** |
| **Ops: UR5ICK US9IHF US8IRW** | | | | | |
| **UZ3U/P** | **M** | **910** | **35** | **26** | **KO51** |
| **Ops: UT7UT UT3UEU UXØLL** | | | | | |
| **UT7E** | **M** | **247** | **19** | **13** | **KN78** |
| **Ops: UT9EZ UT4EO** | | | | | |
| UW3E | M | 210 | 15 | 10 | KN78 |
| Ops: UR7EL UR3EZ | | | | | |
| **UR3ABM** | **R** | **242** | **11** | **11** | **2** |

### WALES

| | | | | | |
|---|---|---|---|---|---|
| **GW4OKT** | **6** | **952** | **36** | **28** | **IO83** |

## OCEANIA

### INDONESIA

| | | | | | |
|---|---|---|---|---|---|
| **YB2HAF** | **A** | **120** | **13** | **6** | **OI52** |
| YC2VOC | A | 90 | 10 | 5 | OI52 |
| YB3OIR | A | 84 | 21 | 2 | OI52 |
| **YC3RJL** | **A** | **80** | **20** | **2** | **OI62** |
| **YB3EF** | **A** | **72** | **12** | **3** | **OI62** |
| **YC3GRK** | **A** | **72** | **18** | **2** | **OI62** |
| YG3FQY | A | 60 | 16 | 2 | OI62 |
| YB2TS | A | 50 | 8 | 5 | OI52 |
| **YC2KJC** | **A** | **45** | **8** | **3** | **OI42** |
| YB2NDX | A | 32 | 6 | 4 | OI52 |
| YD2HBS | A | 18 | 3 | 3 | OI52 |
| YG2ACB | A | 18 | 3 | 3 | OI52 |
| YD2CHR | A | 8 | 4 | 1 | OI42 |
| YB2DX | A | 6 | 2 | 2 | OI52 |
| **YD7AAB** | **A** | **2** | **1** | **1** | **OI41** |
| **YB2ERL** | **A** | **1** | **1** | **1** | **OI53** |
| **YB2MDU** | **6** | **80** | **10** | **8** | **OI53** |
| **YB2MM** | **6** | **6** | **3** | **2** | **OI43** |
| YC2STS | 6 | 4 | 2 | 2 | OI43 |
| **YC2KDU** | **6** | **2** | **2** | **1** | **OI42** |
| **YB3RYX** | **2** | **192** | **24** | **4** | **OI62** |
| YC3FTY | 2 | 176 | 22 | 4 | OI62 |
| **YD3AXD** | **2** | **168** | **21** | **4** | **OI51** |
| YF3ERE | 2 | 136 | 18 | 4 | OI62 |
| YD3AWR | 2 | 132 | 22 | 3 | OI62 |
| YD3GEV | 2 | 114 | 19 | 3 | OI62 |
| **YC3GFN** | **2** | **108** | **27** | **2** | **OI52** |
| YD3AFX | 2 | 108 | 18 | 3 | OI62 |
| YG3DGK | 2 | 102 | 17 | 3 | OI62 |
| YC3VRY | 2 | 80 | 20 | 2 | OI62 |
| YD3AVN | 2 | 76 | 19 | 2 | OI52 |
| YC3NHW | 2 | 72 | 19 | 2 | OI62 |
| YE3AA | 2 | 72 | 12 | 3 | OI62 |
| YE3WIL | 2 | 72 | 12 | 3 | OI62 |
| YB3BAR | 2 | 60 | 15 | 2 | OI62 |
| YD3HJC | 2 | 60 | 15 | 2 | OI62 |
| YG3FIF | 2 | 60 | 15 | 2 | OI62 |
| YG3FZN | 2 | 60 | 16 | 2 | OI62 |
| YC3WKI | 2 | 56 | 15 | 2 | OI62 |
| YD3RAN | 2 | 52 | 13 | 2 | OI62 |
| YB3VK | 2 | 40 | 10 | 2 | OI62 |
| YC3CRZ | 2 | 40 | 11 | 2 | OI62 |
| YC3GER | 2 | 40 | 10 | 2 | OI62 |
| YD3BHC | 2 | 36 | 9 | 2 | OI62 |
| **YB3PIN** | **2** | **34** | **20** | **1** | **OI72** |
| YG3EZN | 2 | 28 | 7 | 2 | OI51 |
| YG3FRS | 2 | 26 | 13 | 1 | OI72 |
| **YD3CQX** | **2** | **24** | **4** | **3** | **OI63** |
| **YB2LHW** | **2** | **16** | **4** | **2** | **OI42** |
| YC2DMG | 2 | 16 | 4 | 2 | OI42 |
| YD2CHX | 2 | 16 | 4 | 2 | OI42 |
| YE3DFB | 2 | 14 | 9 | 1 | OI62 |
| YD2UIJ | 2 | 12 | 3 | 2 | OI52 |
| YD3CUB | 2 | 10 | 5 | 1 | OI63 |
| YB2HND | 2 | 8 | 2 | 2 | OI52 |
| **YD2CHT** | **2** | **8** | **4** | **1** | **OI43** |
| YD2CHZ | 2 | 6 | 3 | 1 | OI42 |
| YD3CSU | 2 | 6 | 3 | 1 | OI63 |
| YG3DLH | 2 | 6 | 4 | 1 | OI63 |
| YB2DWL | 2 | 4 | 3 | 1 | OI42 |
| **YC1VVV** | **2** | **4** | **2** | **1** | **OI33** |
| **YD1SBF** | **2** | **4** | **2** | **1** | **OI33** |
| YD1RUU | 2 | 2 | 1 | 1 | OI33 |
| YD3CTO | 2 | 2 | 1 | 1 | OI62 |
| **YD6HRI** | **2** | **2** | **1** | **1** | **NJ93** |
| **YG3CMS** | **Q** | **96** | **17** | **3** | **OI62** |
| YG3EOY | Q | 84 | 21 | 2 | OI62 |
| YF3CYS | Q | 80 | 20 | 2 | OI62 |
| YG3EMF | Q | 80 | 20 | 2 | OI62 |
| YD3BFT | Q | 68 | 17 | 2 | OI62 |
| YD3GHZ | Q | 56 | 15 | 2 | OI62 |
| YD3CER | Q | 24 | 6 | 2 | OI62 |
| **YD2UWF** | **Q** | **16** | **4** | **2** | **OI52** |
| **YD2CAU** | **Q** | **8** | **4** | **1** | **OI42** |
| **YB1TIA** | **Q** | **6** | **3** | **1** | **OI33** |
| YB2YGA | Q | 4 | 2 | 1 | OI52 |
| YC2YSW | Q | 4 | 2 | 1 | OI52 |
| **YD2AXX** | **Q** | **2** | **2** | **1** | **OI53** |
| **YF3CYU** | **H** | **80** | **20** | **2** | **OI62** |
| YG3EOQ | H | 76 | 19 | 2 | OI62 |
| YG3GDD | H | 72 | 18 | 2 | OI62 |
| YC3UX | H | 68 | 17 | 2 | OI62 |
| Ops: YD3UX | | | | | |
| YF3FZR | H | 64 | 18 | 2 | OI62 |
| **7C2C** | **M** | **180** | **15** | **6** | **OI42** |
| **Ops: YC2LLT YC2CPQ YD2CHS** | | | | | |
| **7E3E** | **M** | **80** | **21** | **2** | **OI62** |
| **Ops: YB3BLJ YG3GOQ** | | | | | |
| **YF3CYT/R** | **R** | **80** | **22** | **2** | **1** |
| YD3ALU/R | R | 76 | 19 | 2 | 1 |
| YG3FZT/R | R | 76 | 19 | 2 | 1 |

### PHILIPPINES

| | | | | | |
|---|---|---|---|---|---|
| **DV3RXC** | **A** | **100** | **14** | **4** | **PK05** |
| **DV1IIW** | **A** | **57** | **10** | **3** | **PK04** |
| **DU9CA** | **A** | **42** | **8** | **3** | **PJ27** |
| DU9XL | A | 10 | 3 | 2 | PJ27 |
| **DV1VVA** | **2** | **630** | **63** | **5** | **PK04** |
| **DV4ZAR** | **2** | **72** | **9** | **4** | **PK13** |
| **DV9DDX** | **2** | **4** | **2** | **1** | **PJ27** |
| **4I1BNC** | **Q** | **4** | **2** | **1** | **PK04** |
| **DW7EVQ** | **Q** | **2** | **1** | **1** | **PK10** |
| **DX7HQ** | **M** | **96** | **17** | **3** | **PJ19** |
| **Ops: DU7Q DV7DSN DX7HQ** | | | | | |

## SOUTH AMERICA

### ARGENTINA

| | | | | | |
|---|---|---|---|---|---|
| **LU9DO** | **A** | **272** | **28** | **8** | **GF05** |
| LU1BJW | A | 72 | 19 | 3 | GF05 |
| L21RCA | A | 50 | 19 | 2 | GF05 |
| Op: LU7DW | | | | | |
| **LU7DW** | **6** | **5** | **5** | **1** | **GF05** |

### BRAZIL

| | | | | | |
|---|---|---|---|---|---|
| **PY2AE** | **A** | **3,450** | **88** | **23** | **GG67** |
| **PU2VLW** | **A** | **2,541** | **73** | **21** | **GG66** |
| PY2KO | A | 756 | 49 | 9 | GG66 |
| **PU1JSV** | **A** | **594** | **31** | **11** | **GG87** |
| PY2DN | A | 402 | 36 | 6 | GG66 |
| PY2WLM | A | 350 | 30 | 7 | GG66 |
| PY2AD | A | 342 | 22 | 9 | GG67 |
| PY2BRP | A | 342 | 33 | 6 | GG66 |
| **PU2MBY** | **A** | **325** | **16** | **13** | **GG47** |
| PU2YMH | A | 192 | 18 | 6 | GG67 |
| PY2DOR | A | 186 | 34 | 3 | GG66 |
| PU2KKV | A | 170 | 18 | 5 | GG66 |
| PY2XYZ | A | 140 | 20 | 4 | GG66 |
| **PT9IR** | **A** | **91** | **7** | **7** | **GG29** |
| PY1NS | A | 74 | 20 | 2 | GG87 |
| PY2MIA | A | 66 | 11 | 3 | GG66 |
| **PU2USK** | **A** | **65** | **7** | **5** | **GG76** |
| **PY3KN** | **A** | **50** | **7** | **5** | **GF49** |
| **PV2K** | **A** | **24** | **4** | **3** | **GG56** |
| PY2AB | A | 20 | 11 | 1 | GG66 |
| **PY4NF** | **A** | **12** | **3** | **3** | **GG77** |
| **PT9FD** | **6** | **64** | **8** | **8** | **GG27** |
| **PV8AJ** | **6** | **48** | **8** | **6** | **FJ92** |
| PV8AZ | 6 | 30 | 6 | 5 | FJ92 |
| **PY4AQA** | **6** | **20** | **5** | **4** | **GG88** |
| **PY9GC** | **6** | **6** | **3** | **3** | **GH24** |
| **PY5EK** | **6** | **1** | **1** | **1** | **GG43** |
| **PY2NF** | **2** | **1,364** | **63** | **11** | **GG77** |
| **PY2FSR** | **2** | **528** | **25** | **11** | **GG55** |
| **PU2YBW** | **2** | **432** | **27** | **8** | **GG66** |
| **PY2WOT** | **2** | **384** | **25** | **8** | **GG76** |
| PY2QB | 2 | 328 | 41 | 4 | GG66 |
| PU2PKL | 2 | 240 | 31 | 4 | GG66 |
| **PY1RI** | **2** | **240** | **24** | **5** | **GG87** |
| **PU2KOB** | **2** | **224** | **16** | **7** | **GG56** |
| PY2MIB | 2 | 224 | 28 | 4 | GG66 |
| PU2TRO | 2 | 184 | 24 | 4 | GG66 |
| **PY1LK** | **2** | **180** | **18** | **5** | **GG87** |
| PU2OXB | 2 | 168 | 14 | 7 | GG56 |
| PY2XL | 2 | 136 | 17 | 4 | GG66 |
| PY2OAL | 2 | 126 | 9 | 7 | GG56 |
| PU2MXU | 2 | 120 | 21 | 3 | GG66 |
| PU2UAF | 2 | 120 | 11 | 6 | GG66 |
| PY2YJ | 2 | 96 | 24 | 2 | GG66 |
| PU2TOA | 2 | 90 | 16 | 3 | GG66 |
| **PY2RIC** | **2** | **90** | **9** | **5** | **GG68** |
| PU2ULN | 2 | 84 | 14 | 3 | GG66 |
| PU1TEE | 2 | 78 | 16 | 3 | GG87 |
| PY1PDF | 2 | 72 | 19 | 2 | GG87 |
| PU1NLL | 2 | 60 | 16 | 2 | GG87 |
| PU1PZP | 2 | 56 | 17 | 2 | GG87 |
| PY1ZV | 2 | 52 | 14 | 2 | GG87 |
| PU2OYT | 2 | 42 | 21 | 1 | GG66 |
| PY1JT | 2 | 40 | 10 | 2 | GG87 |
| **PY3KT** | **2** | **40** | **10** | **2** | **GF49** |
| **PU3YST** | **2** | **36** | **9** | **2** | **GG40** |
| **Op: PU3YTS** | | | | | |
| **PU2OBJ** | **2** | **32** | **5** | **4** | **GG48** |
| PU3DRM | 2 | 32 | 8 | 2 | GG40 |
| PU3LMZ | 2 | 32 | 8 | 2 | GG40 |
| PY1PM | 2 | 32 | 8 | 2 | GG87 |
| PU1WTW | 2 | 28 | 14 | 1 | GG87 |
| PU3SBL | 2 | 28 | 7 | 2 | GG40 |
| PY3TR | 2 | 28 | 7 | 2 | GF49 |
| PU2NCR | 2 | 26 | 13 | 1 | GG66 |
| PU2KFQ | 2 | 24 | 5 | 3 | GG68 |
| PU2XMY | 2 | 24 | 4 | 3 | GG66 |
| PU1WZY | 2 | 20 | 10 | 1 | GG87 |
| PU3EBJ | 2 | 20 | 6 | 2 | GG40 |
| **PY1SGT** | **2** | **20** | **5** | **2** | **GG77** |
| PU1LEE | 2 | 18 | 9 | 1 | GG87 |
| PU2LQF | 2 | 18 | 9 | 1 | GG66 |
| PY1LO | 2 | 18 | 9 | 1 | GG87 |
| PU2RND | 2 | 16 | 4 | 2 | GG68 |
| PU3VON | 2 | 16 | 4 | 2 | GF49 |
| PY1FI | 2 | 16 | 9 | 1 | GG87 |
| PY1IR | 2 | 16 | 8 | 1 | GG87 |
| **PY1XA** | **2** | **16** | **4** | **2** | **GG98** |
| PU1KIT | 2 | 14 | 7 | 1 | GG87 |
| PU1VGV | 2 | 14 | 7 | 1 | GG87 |
| PU3MIP | 2 | 12 | 3 | 2 | GF49 |
| PY2/ PY1RCH | 2 | 12 | 7 | 3 | GG77 |
| PU2NZV | 2 | 10 | 5 | 1 | GG66 |
| PU3AFG | 2 | 8 | 2 | 2 | GG40 |
| PU3BDJ | 2 | 8 | 2 | 2 | GG40 |
| PY1LOF | 2 | 6 | 3 | 1 | GG87 |
| PU1WMN | 2 | 4 | 3 | 1 | GG87 |
| PY1TSP | 2 | 4 | 3 | 1 | GG87 |
| **PU1KJA** | **2** | **2** | **1** | **1** | **GG86** |
| PU2OKZ | 2 | 2 | 1 | 1 | GG66 |
| **PU2VLJ** | **2** | **2** | **1** | **1** | **GG78** |
| **PY2UGO** | **Q** | **408** | **37** | **6** | **GG66** |
| **PY2FEB** | **Q** | **224** | **16** | **7** | **GG67** |
| ZV2F | Q | 54 | 10 | 3 | GG66 |
| **Op: PY2SFA** | | | | | |
| PY2/ YV6CR | Q | 36 | 6 | 3 | GG66 |
| **PY1II** | **Q** | **20** | **5** | **2** | **GG87** |
| **PY2LCD** | **H** | **488** | **31** | **8** | **GG77** |
| **PY2TTN** | **H** | **216** | **28** | **4** | **GG66** |
| PU2OYH | H | 162 | 28 | 3 | GG66 |
| PY2VM | H | 162 | 27 | 3 | GG66 |

## CHECK LOGS

AA9RK, BH5HYI, E25OOO, HA3HX, IU4FLP/4, K3DNE, LY2AX, LZ1DP, NE1I, PX2O, PY2PFB, RN6MA, SF6W, SP2MKT, SP3UR, UW7EF, VE2CSI