



# INTERNATIONAL AMATEUR RADIO UNION

## REGION 3

### MONITORING SYSTEM REPORT



November, 2007

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The amateur radio operators of different countries formed their National Societies, to fight for the rights of amateur service, in one united voice, with their Administrations. The conglomeration of National Societies to form the International Amateur Radio Union, came in, to voice the rights of amateur radio operators and to protect the hard earned frequency bands, at the International levels. While the various users of RF spectrum like the broadcasters and others, have got lot of expansions to their services in terms of frequency allocations in the various WARC meetings, the ham fraternity is the one, with very little expansion seen over the years. One of the possible reasons might be the absence Officials who are also Radio Amateurs to fight the cases, at the various telecommunication meets of different countries/entities with local and international telecommunication administrations.

If the number of intruding stations increase in every amateur band and continue the use unabated, that number of frequencies get reduced to the authorized and licenced amateurs around the world. Everyday, contests cannot be organised to see that the bands are mostly occupied. Amateurs use the bands when they are free from their other obligations, as amateurism is not professionalism. Thus, the amateur bands show, a considerable portion of unused frequencies every weekday. These seemingly vacant frequencies attract other services to use our frequencies. The intruders generally carry their business/profession at the working hours, which may be a significant part of the 24 hours of a day.

The agreements and understandings the various Administrations arrive at, for the use of radio frequencies, though advised to all the other Departments in their Country, generally gets by passed by some Departments. Thus, the Agreements signed and the Practice followed everyday, do contradict each other, creating enough confusion. All the "Over The Horizon Radars" and "Sea state CODARs" operated can be mentioned in this category of stations. They occupy a large bandwidth and use a very high power, obliterating a number of amateur radio signals on that band.

The Monitoring Systems of the National Societies of the different Regions of IARU, and the three regions of IARU are doing their best to bring the latest intruder data, ready to use. The National Societies, who are yet to form a Monitoring Systems Group, are requested to take this work on priority, as every bit of data received, helps in knowing and identifying the intruder and to fight the intrusion. It is through the concerted efforts of the various National Societies who can make their Administrations understand these dualities mentioned above, the work of getting the intruders from amateur radio bands, vacated, gets easier. All the IARU Liaison Officers of the various National Societies, are requested through these lines, to be in touch with their Administrations, very frequently, supplying intruder information, if need be, for taking necessary action.

This month's contributors:

**ARSI:** VU2UR - **JARL:** JA0AD, JA2WO, JI2GPM - **NZART:** ZL1BYA

## Summary of the month:

160 metres: Chinese “Dragon’s Breath” spotted from UA & JA. Fish net beacon reported by NZART.

80 metres: Chinese OTHR from Hainan was spotted from JA, I, all over K, ZS & OH. Voice of Korea was reported by JARL & NZART.

40 metres: Chinese OTHR from Hainan was reported by JARL & NZART, also spotted from V7, 9M, K, JA & VK. Indonesian intruders were reported by NZART. Chinese CW station L9CC was reported by JARL & NZART. The Russian single-letter CW beacons were reported by ARSI, JARL & NZART. Spurious emissions from All India Radio were reported by ARSI. Sinhalese-speaking intruders were reported by ARSI. Voice of Korea was reported by JARL & NZART.

30 metres: Suspected British OTHR was spotted by an unknown SWL.

20 metres: Suspected British OTHR was reported by JARL & NZART, also spotted from ZS. Chinese & Sinhalese-speaking intruders were reported by ARSI. Egyptian radioteletype transmissions were reported by NZART. Indonesian intruders were reported by NZART. Voice of Korea was reported by NZART.

17 metres: Suspected British OTHR was reported by JARL, also spotted from JA, VK & an unknown SWL. Chinese broadcast station jamming Chinese Taipei broadcast station was spotted from ZL, ON, PA, 9M, I & DL.

12 metres: Chinese CODAR was reported by NZART.

| kHz    | BW  | YYYY | MM | DD | GMT   | Time      | Emm   | Bd  | Sft | Hdg | ADM | ID      | Description                                                  | Grid | Society |
|--------|-----|------|----|----|-------|-----------|-------|-----|-----|-----|-----|---------|--------------------------------------------------------------|------|---------|
| 1827   |     | 2007 | 11 | 29 |       | 1715-1800 | A1A   |     |     |     |     | 3BWN    | Fish net beacon                                              |      | NZART   |
| 3556   |     | 2007 | 11 | 05 | 16:00 |           | A3E   |     |     |     | KRE | VoKorea | ENG voice/music                                              |      | JARL    |
| 3560   |     | 2007 | 11 | DY | 10:00 |           | A3E   |     |     |     | KRE | VoKorea | ENG voice/music, +155 more reports                           |      | JARL    |
| 3560   |     | 2007 | 11 | DY |       | 0900-2100 | A3E   |     |     |     | KRE | VoKorea | Broadcast station                                            |      | NZART   |
| 3880   |     | 2007 | 11 | DY |       | 1600-1800 | A3E   |     |     |     |     |         | Broadcast station plus Jammer                                |      | NZART   |
| 3880   |     | 2007 | 11 | DY |       | 1600-1800 | XXX   |     |     |     |     |         | Broadcast station plus Jammer                                |      | NZART   |
| 7000   |     | 2007 | 11 | 04 |       | <0200>    | J3E/U |     |     |     | CLN |         | SINHALA SPEAKING OM-OM                                       | MK82 | ARSI    |
| 7000   |     | 2007 | 11 | DY |       | HX24      | J3E/L |     |     |     | INS |         | Indonesian C.Bers.                                           |      | NZART   |
| 7000   |     | 2007 | 11 | DY |       | HX24      | J3E/U |     |     |     | INS |         | Indonesian C.Bers.                                           |      | NZART   |
| 7002   | 4   | 2007 | 11 | 25 |       | <1044     | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec                                       |      | NZART   |
| 7006.4 |     | 2007 | 11 | 04 |       | <0211>    | J3E/U |     |     |     | CLN |         | SINHALA SPEAKING OM-OM                                       | MK82 | ARSI    |
| 7009   |     | 2007 | 11 | 23 |       | <0215>    | J3E/U |     |     |     | CLN |         | SINHALA SPEAKING OM-OM                                       | MK82 | ARSI    |
| 7010.2 |     | 2007 | 11 | 22 |       | <0324>    | J3E/U |     |     |     | CLN |         | SINHALA SPEAKING OM-OM                                       | MK82 | ARSI    |
| 7015   |     | 2007 | 11 | 08 |       | <0343>    | J3E/U |     |     |     | CLN |         | SINHALA SPEAKING OM-OM                                       | MK82 | ARSI    |
| 7018   |     | 2007 | 11 | DY |       | 1600-1815 | F1B   |     |     |     |     |         | Idling only                                                  |      | NZART   |
| 7020   |     | 2007 | 11 | 11 |       | <1127>    | F1B   | 100 | 850 |     |     |         | RY's                                                         |      | NZART   |
| 7028   |     | 2007 | 11 | 03 | 19:10 |           | F1B   |     |     |     |     |         | +1 more report                                               |      | JARL    |
| 7030   |     | 2007 | 11 | 05 | 00:40 |           | J3E/L |     |     |     |     |         | Other, +1 more report                                        |      | JARL    |
| 7031   |     | 2007 | 11 | 15 |       | 1124-1126 | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec. very short burst, unable to lock on. |      | NZART   |
| 7033   |     | 2007 | 11 | 05 | 00:41 |           | J3E/L |     |     |     |     |         | Other                                                        |      | JARL    |
| 7035.2 |     | 2007 | 11 | 04 |       | <0212>    | J3E/U |     |     |     | CLN |         | SINHALA SPEAKING OM-OM                                       | MK82 | ARSI    |
| 7037   |     | 2007 | 11 | 10 | 19:08 |           | F1B   |     |     |     |     |         | +2 more reports                                              |      | JARL    |
| 7038   | 60  | 2007 | 11 | 03 | 07:33 |           | PXX   |     |     |     | CHN |         | wide band noise(7.008-7.068)                                 |      | JARL    |
| 7038   |     | 2007 | 11 | 13 | 18:06 |           | PXX   |     |     |     | CHN |         |                                                              |      | JARL    |
| 7038.6 |     | 2007 | 11 | DY |       | <1520>    | A1A   |     |     |     | RUS | C       | SINGLE LETTER BEACON                                         | MK82 | ARSI    |
| 7039   |     | 2007 | 11 | DY | 10:04 |           | A1A   |     |     |     | RUS | F       | Beacon, +50 more reports                                     |      | JARL    |
| 7039   |     | 2007 | 11 | DY |       | H24       | A1A   |     |     |     | RUS | F,C,D,S | Russian Beacons                                              |      | NZART   |
| 7040   |     | 2007 | 11 | 23 | 09:49 |           | A0N   |     |     |     |     |         | +26 more reports                                             |      | JARL    |
| 7044   |     | 2007 | 11 | DY |       | 1600-1830 | F1B   |     | 250 |     |     |         | Idle only                                                    |      | NZART   |
| 7044.5 |     | 2007 | 11 | 12 | 23:26 |           | J3E/L |     |     |     |     |         | Other                                                        |      | JARL    |
| 7045   |     | 2007 | 11 | DY | 14:06 |           | F1B   |     |     |     |     |         | +136 more reports                                            |      | JARL    |
| 7050   |     | 2007 | 11 | 11 |       | <1001>    | A3E   |     |     |     | IND | AIR     | SPURIOUS FROM ALL INDIA RADIO                                | MK82 | ARSI    |
| 7052.5 | 105 | 2007 | 11 | 13 |       | <1000>    | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec                                       |      | NZART   |
| 7055   |     | 2007 | 11 | 20 |       | <1038>    | J3E/L |     |     |     | INS |         | Indonesian C.Bers.                                           |      | NZART   |
| 7055   |     | 2007 | 11 | 20 |       | <1038>    | J3E/U |     |     |     | INS |         | Indonesian C.Bers.                                           |      | NZART   |
| 7055.5 | 111 | 2007 | 11 | 20 |       | 1139>     | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec                                       |      | NZART   |
| 7057.5 | 115 | 2007 | 11 | 15 |       | <1008>    | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec                                       |      | NZART   |
| 7059   | 118 | 2007 | 11 | 23 |       | <1015>    | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec                                       |      | NZART   |
| 7060   | 120 | 2007 | 11 | 26 |       | <1050>    | PXX   |     |     |     | CHN |         | O.T.H.R. Pulses/sec                                          |      | NZART   |
| 7065   |     | 2007 | 11 | 08 |       | 1835>     | A1A   |     |     |     | CHN | L9CC    | Continuous calls                                             |      | NZART   |
| 7065   | 80  | 2007 | 11 | 23 | 09:47 |           | PXX   |     |     |     | CHN |         | wide band noise(7.025-7.105)                                 |      | JARL    |
| 7066   |     | 2007 | 11 | 26 | 09:20 |           | A1A   |     |     |     | CHN | L9CC    | CP17 de L9CC V                                               |      | JARL    |
| 7072.5 | 67  | 2007 | 11 | 18 |       | <1010>    | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulese/sec                                       |      | NZART   |
| 7073.5 | 69  | 2007 | 11 | 25 |       | <1044>    | PXX   |     |     |     | CHN |         | O.T.H.R. 43 Pulses/sec                                       |      | NZART   |
| 7077   |     | 2007 | 11 | 23 | 14:06 |           | A1A   |     |     |     |     | E       | +3 more reports                                              |      | JARL    |
| 7082   | 96  | 2007 | 11 | 11 |       | <1040>    | PXX   |     |     |     | CHN |         | O.T.H.R. Pulses/sec                                          |      | NZART   |

| kHz     | BW  | YYYY | MM | DD | GMT   | Time      | Emm   | Bd | Sft | Hdg | ADM | ID      | Description                                                     | Grid | Society |
|---------|-----|------|----|----|-------|-----------|-------|----|-----|-----|-----|---------|-----------------------------------------------------------------|------|---------|
| 7086    |     | 2007 | 11 | 13 | 20:08 |           | PXX   |    |     |     |     |         |                                                                 |      | JARL    |
| 7092.5  |     | 2007 | 11 | 12 | 23:27 |           | J3E/L |    |     |     |     |         | Other                                                           |      | JARL    |
| 7098    |     | 2007 | 11 | 23 | 14:08 |           | PXX   |    |     |     |     |         |                                                                 |      | JARL    |
| 7100    |     | 2007 | 11 | DY | 18:00 |           | A3E   |    |     |     | KRE | VoKorea | FRN voice/music, +66 more reports                               |      | JARL    |
| 7100    |     | 2007 | 11 | DY |       | 1800.     | A3E   |    |     |     |     |         | Broadcast station                                               |      | NZART   |
| 14000.2 |     | 2007 | 11 | 20 |       | <0510>    | J3E/U |    |     |     | CLN |         | SINHALA SPEAKING OM-OM                                          | MK82 | ARSI    |
| 14010.3 |     | 2007 | 11 | 20 |       | <0511>    | J3E/U |    |     |     | CLN |         | SINHALA SPEAKING OM-OM                                          | MK82 | ARSI    |
| 14023   |     | 2007 | 11 | 20 |       | <1103>    | J3E/U |    |     |     | CHN |         | CHINESE SPEAKING FISHING TRAWLERS.                              | MK82 | ARSI    |
| 14032   |     | 2007 | 11 | 20 |       | <1101>    | J3E/U |    |     |     | CHN |         | CHINESE SPEAKING FISHING TRAWLERS.                              | MK82 | ARSI    |
| 14040   |     | 2007 | 11 | 08 |       | 0630>     | J3E/U |    |     |     | INS |         | Indonesian C.Bers.                                              |      | NZART   |
| 14082   |     | 2007 | 11 | 10 | 05:50 |           | XXX   |    |     |     |     |         | Jammer                                                          |      | JARL    |
| 14084   |     | 2007 | 11 | 01 | 01:42 |           | XXX   |    |     |     |     |         | Jammer                                                          |      | JARL    |
| 14086   |     | 2007 | 11 | 15 |       | 0650>     | M7B   |    |     |     |     |         | Phase-modulated, multi channel                                  |      | NZART   |
| 14095   |     | 2007 | 11 | 15 |       | 0645>     | J3E/U |    |     |     | INS |         | Indonesian C.Bers.                                              |      | NZART   |
| 14097.3 |     | 2007 | 11 | 22 |       | <0323>    | J3E/U |    |     |     | CLN |         | SINHALA SPEAKING OM-OM                                          | MK82 | ARSI    |
| 14101   |     | 2007 | 11 | 01 | 01:40 |           | PXX   |    |     |     | GCA |         |                                                                 |      | JARL    |
| 14104   |     | 2007 | 11 | 16 |       | 0745-0830 | F1B   |    | 250 |     |     |         | Encrypted                                                       |      | NZART   |
| 14110   |     | 2007 | 11 | DY |       | HX24      | J3E/U |    |     |     | INS |         | Indonesian C.Bers.                                              |      | NZART   |
| 14110   |     | 2007 | 11 | DY |       | 0001-0330 | N0N   |    |     |     |     |         | Un-modulated carrier                                            |      | NZART   |
| 14113.5 |     | 2007 | 11 | 15 |       | 0650>     | F1B   |    |     |     | EGY |         | SITOR ARQ, is probably the Egyptian Diplomatic Service - again! |      | NZART   |
| 14125   | 50  | 2007 | 11 | 09 |       | 0900>     | PXX   |    |     |     | GCA |         | Intermittent Pulse TX                                           |      | NZART   |
| 14127.5 |     | 2007 | 11 | 12 |       | 0845-0905 | F1B   |    |     |     | EGY |         | SITOR ARQ, is probably the Egyptian Diplomatic Service - again! |      | NZART   |
| 14127.5 |     | 2007 | 11 | 15 |       | 0825>     | F1B   |    |     |     | EGY |         | SITOR ARQ, is probably the Egyptian Diplomatic Service - again! |      | NZART   |
| 14127.5 |     | 2007 | 11 | 16 |       | 0740      | F1B   |    |     |     | EGY |         | SITOR ARQ, is probably the Egyptian Diplomatic Service - again! |      | NZART   |
| 14200   | ?   | 2007 | 11 | 15 |       | 0655>     | PXX   |    |     |     | GCA |         | Intermittent Pulse TX                                           |      | NZART   |
| 14225   | 50  | 2007 | 11 | 09 |       | 0800>     | PXX   |    |     |     | GCA |         | Intermitteern Pulse TX                                          |      | NZART   |
| 14250   |     | 2007 | 11 | DY |       | 0230-0800 | A3E   |    |     |     | KRE | VoKorea | Broadcast station                                               |      | NZART   |
| 18106   |     | 2007 | 11 | 10 | 05:54 |           | XXX   |    |     |     |     |         | Jammer                                                          |      | JARL    |
| 18107   |     | 2007 | 11 | 01 | 01:46 |           | XXX   |    |     |     |     |         | Jammer                                                          |      | JARL    |
| 21112.5 |     | 2007 | 11 | 13 | 00:50 |           | J3E/U |    |     |     |     |         | Other                                                           |      | JARL    |
| 21173   |     | 2007 | 11 | 20 | 23:43 |           | J3E/U |    |     |     |     |         | Other                                                           |      | JARL    |
| 24950   | 100 | 2007 | 11 | DY |       | H24       | PXX   |    |     |     | CHN |         | CODAR' SEA STATE RADAR                                          |      | NZART   |
| 28000   |     | 2007 | 11 | DY |       | HX24      | A3E   |    |     |     | CHN |         | Chinese C.Bers every 5 kHz                                      |      | NZART   |
| 28000   |     | 2007 | 11 | DY |       | HX24      | F3E   |    |     |     | CHN |         | Chinese C.Bers every 5 kHz                                      |      | NZART   |

| <b>kHz</b> | <b>YYYY</b> | <b>MM</b> | <b>DD</b> | <b>GMT</b> | <b>Call</b> | <b>Comment</b>                 | <b>Spotter</b> |
|------------|-------------|-----------|-----------|------------|-------------|--------------------------------|----------------|
| 1817.0     | 2007        | 11        | 07        | 0939       | RZ0AF       | Big signal over Radar          | JL8GFB         |
| 1819.6     | 2007        | 11        | 07        | 0852       | JN4MMO      | Andy CQ on Radar Jamming       | JL8GFB         |
| 1820.9     | 2007        | 11        | 09        | 0954       | JH2FXT      | fighting vs Dragon jammer!!!!  | JF7DZA         |
| 1821.9     | 2007        | 11        | 09        | 1937       | V8FWP       | still 559hr, with bydragon     | RA4LW          |
| 1823.1     | 2007        | 11        | 06        | 1254       | K5NA        | Over the Jammer 599            | JA8DNV         |
| 1823.2     | 2007        | 11        | 06        | 1723       | XU7MDY      | cq up over Radar Jam           | JL8GFB         |
| 1842.0     | 2007        | 11        | 13        | 0738       | EAPIRATOS   | fisher                         | F1AKK          |
| 3502.0     | 2007        | 11        | 26        | 2021       | 4S7NE       | QRM with JAM                   | JA3GN          |
| 3502.2     | 2007        | 11        | 15        | 0527       | KH7XS       | qrm from radar s8              | IK8HJC         |
| 3502.5     | 2007        | 11        | 03        | 0034       | D1GITAL     | East frm NTX. Digi sig?        | K5BG           |
| 3504.0     | 2007        | 11        | 01        | 1937       | A45WD       | behind LDBM                    | JA1MVR         |
| 3504.0     | 2007        | 11        | 01        | 2038       | A45WD       | pse 1k up qrm LDBM             | JA2EBE         |
| 3504.0     | 2007        | 11        | 02        | 1124       | HC/PUN/B    | weak to 14016 carr only        | HP3XUG         |
| 3504.0     | 2007        | 11        | 02        | 1139       | LDBM        | ??? Every Day !! Continue!!    | HL2CFY         |
| 3504.0     | 2007        | 11        | 06        | 1144       | HC/PUN/B    | to 21024 weakly 40m strng      | HP3XUG         |
| 3504.0     | 2007        | 11        | 07        | 2346       | HC/PUN/B    | No sigs any freqs past 3hrs! Q | HP3XUG         |
| 3504.0     | 2007        | 11        | 13        | 1144       | HC/PUN/B    | NO sigs past cuple wks, hope i | HP3XUG         |
| 3505.9     | 2007        | 11        | 18        | 0659       | VP2EDL      | up1 bad fq, digi QRM           | SM2LIY         |
| 3507.8     | 2007        | 11        | 15        | 1723       | INTRUDER    | Russian military numbers SSB   | HA0DU          |
| 3507.9     | 2007        | 11        | 16        | 0519       | INTRUDER    | Russian military SSB           | HA0DU          |
| 3508.0     | 2007        | 11        | 09        | 1902       | PIRATAS     | USB                            | EA1DFP         |
| 3509.0     | 2007        | 11        | 09        | 1856       | FRENCH      | speaking pirates!!             | PA1PVH         |
| 3510.0     | 2007        | 11        | 12        | 1716       | INTRUDER    | USB RUSIANS                    | OH6PA          |
| 3555.0     | 2007        | 11        | 10        | 0422       | PIRATAS     | SPAIN USB                      | EA1FD          |
| 3568.0     | 2007        | 11        | 14        | 1740       | PIRATES     | usb fisherman??                | PA2RU          |
| 3590.0     | 2007        | 11        | 19        | 1957       | INTRUDER    | in USB in Frensh               | OH6PA          |
| 3591.0     | 2007        | 11        | 19        | 1953       | INTRU       | in USB                         | OH6PA          |
| 3680.0     | 2007        | 11        | 09        | 2008       | PIRATES     | usb speaking english           | PG4M           |
| 3699.0     | 2007        | 11        | 24        | 1500       | INTRUDER    | on USB russian number station  | SP5IT          |
| 3777.0     | 2007        | 11        | 19        | 1356       | BY1RADAR    | 20/9 radar in N. Ca            | N6ZN           |
| 3788.8     | 2007        | 11        | 20        | 1257       | VK5ZSA      | jim in teeth of by7radar       | W6UC           |
| 3789.0     | 2007        | 11        | 11        | 1426       | JAM1ER      | from asia bad freq today       | W6UC           |
| 3789.0     | 2007        | 11        | 13        | 1515       | BY0RADAR    | Huge already                   | ZS6CCY         |
| 3790.0     | 2007        | 11        | 13        | 1212       | RA7DAR      | thanks china 4 noise           | W6UC           |
| 3790.0     | 2007        | 11        | 29        | 1154       | FU1BAR      | china snafu runnin             | W6UC           |
| 3793.0     | 2007        | 11        | 29        | 1313       | BY1RADAR    | raging +20                     | W6ANR          |
| 3794.0     | 2007        | 11        | 14        | 1234       | JA4HCG      | Kazu s9 above china radar      | W6UC           |
| 3795.0     | 2007        | 11        | 19        | 1315       | BY1RADAR    | Vy Loud At Sunrise             | K9RZ           |
| 3796.0     | 2007        | 11        | 20        | 1201       | BY1RADAR    | Strong in Midwest              | K9RZ           |
| 3799.0     | 2007        | 11        | 19        | 1146       | BY1RADAR    | raging 9++                     | W6ANR          |
| 3799.0     | 2007        | 11        | 26        | 1425       | K7ZV        | Rich 4/8, purring noise on QRG | OH2WI          |
| 3800.0     | 2007        | 11        | 24        | 1154       | BYJAMMER    |                                | JA8DNV         |
| 3913.0     | 2007        | 11        | 03        | 0733       | G PIRATES   | Midlands area                  | G8HOA          |
| 3913.0     | 2007        | 11        | 11        | 0836       | G PIRATES   |                                | G8HOA          |
| 6985.0     | 2007        | 11        | 23        | 1802       | ISRAEL BC   | Radio Israel AM( splatters up  | YO6EX          |
| 7000.0     | 2007        | 11        | 02        | 1648       | INTRUDES    | USB                            | I1EEW          |
| 7000.0     | 2007        | 11        | 05        | 0831       | BY/RADAR    | QRM 000 to 030                 | V73NS          |
| 7000.0     | 2007        | 11        | 06        | 1524       | RADAR       | Olympic Hosts Radar S9+30      | 9M6XRO         |
| 7000.0     | 2007        | 11        | 16        | 0803       | B1RADAR     | DRAGON STARTS 2 EAT LO END 40  | K6HFA          |
| 7000.0     | 2007        | 11        | 22        | 1600       | BYRADAR     | S9 OFF BACK BEAM TA SOON       | K16VC          |
| 7000.0     | 2007        | 11        | 23        | 1806       | SPLATTERS   | Radio Israel in AM 6985.0 up 3 | YO6EX          |
| 7000.0     | 2007        | 11        | 28        | 1547       | 4XZ         | clicks until 7002.0 !          | YO6EX          |
| 7000.0     | 2007        | 11        | 28        | 1624       | BYRADAR     | ho-hum yet agn                 | VK4HFO         |
| 7000.0     | 2007        | 11        | 28        | 1719       | 4XZ         | Haifa Naval Radio (Military)   | DJ2VO          |
| 7000.0     | 2007        | 11        | 28        | 2304       | 4XZ         | Sending Vs                     | K2XX           |
| 7000.0     | 2007        | 11        | 29        | 0005       | 4XZ??       |                                | NO8D           |
| 7000.0     | 2007        | 11        | 29        | 0010       | 4XZ         | 4z military                    | MU0FAL         |
| 7000.0     | 2007        | 11        | 29        | 1347       | RADAR       | QRM                            | SM4OTI         |
| 7000.1     | 2007        | 11        | 12        | 0955       | BY-OTHR     | =40 up to 7.040                | V73NS          |
| 7000.1     | 2007        | 11        | 28        | 1606       | 4XZ         | it's intruder                  | SP9CUX         |
| 7000.1     | 2007        | 11        | 28        | 2021       | 4XZ         |                                | PT7VB          |
| 7002.2     | 2007        | 11        | 21        | 1142       | J3/S50R     | qrz ja? under the BY's radar.  | JP1GUW         |
| 7002.6     | 2007        | 11        | 16        | 1139       | S2ZJO       | LP THRU DRAGON                 | W5DV           |
| 7005.0     | 2007        | 11        | 01        | 1424       | BA5HAM      | wrking W6AUG, radar QRM        | K17VR          |
| 7005.0     | 2007        | 11        | 02        | 2155       | AM          | russian international radio    | OK1FBH         |
| 7005.0     | 2007        | 11        | 16        | 1517       | G3FPQ       | cq, overriding the pecker      | W7WA           |
| 7005.3     | 2007        | 11        | 16        | 1518       | G3FPQ       | CQ LP thru BYRADAR             | W7TTE          |
| 7007.0     | 2007        | 11        | 17        | 1211       | CE0Y/OE2SNL | Just under RADAR               | VK8NSB         |
| 7007.2     | 2007        | 11        | 28        | 1539       | G3FPQ       | 579 in WA. Radar is S3         | K17VR          |

|         |      |    |    |      |             |                                |        |
|---------|------|----|----|------|-------------|--------------------------------|--------|
| 7010.0  | 2007 | 11 | 06 | 1841 | 2BROADCAST  | AM Stations                    | DK0PM  |
| 7010.0  | 2007 | 11 | 17 | 0633 | BROADCAST   | from 6040                      | DL1REM |
| 7012.9  | 2007 | 11 | 01 | 1417 | VU2NXM      | under BY radar QRM in OR       | W7TTE  |
| 7015.0  | 2007 | 11 | 20 | 2217 | PIRATI      | usb fonia%21?????              | IZ8GBQ |
| 7016.0  | 2007 | 11 | 09 | 1421 | N7CW        | sri up QRG -big radar          | YL3FT  |
| 7017.0  | 2007 | 11 | 09 | 1643 | INTRUDER    | Printer 1K shift Russia        | PA0GRU |
| 7018.0  | 2007 | 11 | 13 | 1621 | INTRUDER    | Airforce Moscow 1k dots REA4   | PA0GRU |
| 7018.0  | 2007 | 11 | 13 | 1654 | RUS MIL     |                                | G8HOA  |
| 7018.0  | 2007 | 11 | 14 | 1628 | INTRUDER    | Rus.Airforce FSK 1000 Hz agn   | PA0GRU |
| 7018.0  | 2007 | 11 | 15 | 1952 | INTRUDER    | Rus. Airforce FSK 1k fb!       | PA0GRU |
| 7018.0  | 2007 | 11 | 19 | 1922 | INTRUDER    | Rus.Aiforce FSK 1K fb!         | PA0GRU |
| 7035.0  | 2007 | 11 | 11 | 2242 | RADAR       | OHR=OLYMPIC HOSTS RADAR S9+25  | 9M6XRO |
| 7040.1  | 2007 | 11 | 20 | 2325 | USB         | TG PIRATES                     | EA3ATM |
| 7070.0  | 2007 | 11 | 30 | 0614 | INTRUDER    | Russian army                   | OH6PA  |
| 7075.0  | 2007 | 11 | 05 | 2122 | PIRATES     | USB spanish pirates...         | EA1YB  |
| 7077.0  | 2007 | 11 | 04 | 1549 | INTRUDERS   | speaking USB : FISHERMANS ??   | IK3GHW |
| 7090.0  | 2007 | 11 | 02 | 0132 | AM          | BROADCAST????                  | IK4WTU |
| 7093.0  | 2007 | 11 | 28 | 1849 | VK7AC       | Suffering from Radar....       | ON4AXU |
| 10133.0 | 2007 | 11 | 25 | 1239 | RADAR       | RAF OTH radar from Akrotiri Cy | SWL    |
| 14000.6 | 2007 | 11 | 15 | 0639 | BR0DCAST    | harmonic am radio              | F8IXZ  |
| 14005.0 | 2007 | 11 | 02 | 0825 | PIRATES     | SSB                            | SWL    |
| 14016.0 | 2007 | 11 | 03 | 2354 | PUN         | only carrier no ID             | HP1AC  |
| 14016.0 | 2007 | 11 | 08 | 2325 | PUN/HC2     | no signals since yesterday     | HP1AC  |
| 14081.0 | 2007 | 11 | 16 | 0723 | INTRU       | USB Russians                   | OH6PA  |
| 14085.6 | 2007 | 11 | 04 | 0904 | IT0IT       | Intruder LSB                   | DH3RD  |
| 14104.0 | 2007 | 11 | 16 | 0800 | INTRUDER    | MIL printer 250 shift Minsk    | PA0GRU |
| 14165.0 | 2007 | 11 | 14 | 1356 | BY0AMBC     | AM Broadcast from China S5 her | ZS1Y   |
| 14165.0 | 2007 | 11 | 14 | 1359 | ZS1Y        | but here nothing,no BC         | BA7IO  |
| 14165.0 | 2007 | 11 | 14 | 1400 | BA7IO       | now gone here too, was on for  | ZS1Y   |
| 14197.0 | 2007 | 11 | 15 | 0543 | BY0RADAR    | through to 14208, OTHR         | ZS1Y   |
| 14210.0 | 2007 | 11 | 12 | 0736 | AM          | AM RADIO TIRANA                | ON4CDX |
| 14232.3 | 2007 | 11 | 18 | 1724 | YB0PIRATE   | LSB                            | ZS1Y   |
| 14243.0 | 2007 | 11 | 16 | 1035 | INTRUDERS   | Spanish pirates, male, USB dai | PA0GRU |
| 14263.4 | 2007 | 11 | 03 | 1110 | PIRATES     | LSB MALAY ?                    | DL5MEV |
| 14270.0 | 2007 | 11 | 10 | 1012 | INTRU       | RTTY                           | OH6PA  |
| 18068.0 | 2007 | 11 | 23 | 0713 | INTRUDER    | 59+ Buzz 18.060-18.100         | JE1SGH |
| 18070.0 | 2007 | 11 | 27 | 1307 | 5R8NL       | RADAR 18074-18099 strong       | VK6DU  |
| 18081.0 | 2007 | 11 | 04 | 1651 | QR1M        | SSB pirates                    | KF7E   |
| 18081.7 | 2007 | 11 | 28 | 1820 | INTRUDERS   | USB Espanol 59 > WNY           | K2ERG  |
| 18082.0 | 2007 | 11 | 10 | 1050 | YB0INTRUDER | USB this time...               | ZS1Y   |
| 18089.0 | 2007 | 11 | 10 | 1054 | YB0INTRUDER | USB, now here                  | ZS1Y   |
| 18099.2 | 2007 | 11 | 01 | 0937 | OD5/F5PTM   | killed by radar noise          | VK6HD  |
| 18100.0 | 2007 | 11 | 01 | 0930 | RADAR       | noise 59+40                    | IZ5CML |
| 18100.0 | 2007 | 11 | 26 | 1504 | AM          | INTRUDERS broadcast emission?  | IW5ELL |
| 18129.4 | 2007 | 11 | 01 | 1450 | BR0ADCAST   | AM                             | SV3DCX |
| 18130.0 | 2007 | 11 | 18 | 1054 | RADAR       | 9 40 here                      | OE3JTB |
| 18130.0 | 2007 | 11 | 24 | 1349 | SWL         | strong OTH English radar from  | SWL    |
| 18130.0 | 2007 | 11 | 24 | 1356 | SWL         | Cypro! Stop it in amateur Band | SWL    |
| 18155.0 | 2007 | 11 | 25 | 0905 | VK9CCC      | turn ON radar here :( kaput    | UT7UV  |
| 18160.0 | 2007 | 11 | 15 | 0852 | B-CAST      | 5 by 9 plus into ZL B-CAST     | ZL2FT  |
| 18160.0 | 2007 | 11 | 15 | 0853 | B-CAST      | 5 by 3 in Belgium !!           | ON5LBV |
| 18160.0 | 2007 | 11 | 15 | 0854 | B-CASTER    | Chinese B-caster strong !!!!!  | ZL2FT  |
| 18160.0 | 2007 | 11 | 15 | 0857 | B-CASTER    | chinese intruder 5/9 in pa lan | PH1B   |
| 18160.0 | 2007 | 11 | 15 | 2357 | BY0BC       | CHINA WORST BROCAST            | BY0BY  |
| 18160.0 | 2007 | 11 | 16 | 0153 | PY5QRT      | RADIO BROCAST PIRATE OF CHINES | PY5QRT |
| 18160.0 | 2007 | 11 | 16 | 0201 | BY/2BCST    | 2 Competing Chinese BC Station | 9M6XRO |
| 18160.0 | 2007 | 11 | 16 | 0209 | BY2BCSTS    | 2 x Chinese BC stns competing  | 9M6XRO |
| 18160.0 | 2007 | 11 | 16 | 0232 | BY0BC       | China pig BC                   | BY1BY  |
| 18160.0 | 2007 | 11 | 16 | 0233 | BY0BC       | TWO PIGS RUNNING               | BY2BY  |
| 18160.0 | 2007 | 11 | 16 | 0947 | BY0BC       | China pig BC                   | BY0BY  |
| 18160.0 | 2007 | 11 | 16 | 0949 | BY0BC       | pirate country pigs            | BV1BY  |
| 18160.0 | 2007 | 11 | 16 | 0955 | MUSIC       |                                | IK7XLU |
| 18160.0 | 2007 | 11 | 16 | 0957 | CHINA B     | strong AM Signal               | DG8KBH |
| 18160.0 | 2007 | 11 | 16 | 1001 | BY0BY       | interfere with RFA             | BY2BY  |
| 18160.0 | 2007 | 11 | 16 | 1002 | BY0BY       | RFA(RADIO FREE ASIA)           | BY4BY  |
| 18160.0 | 2007 | 11 | 16 | 1004 | BY0BY       | BAD PIRATE BC                  | BY5BY  |
| 18161.0 | 2007 | 11 | 15 | 0824 | CHINA       | nice China station in AM       | IV3CIS |
| 21236.0 | 2007 | 11 | 21 | 1150 | P1RATE      | FM Pirates from AS             | DH3RD  |
| 21322.2 | 2007 | 11 | 10 | 1046 | YB0INTRUDER | LSB, telephone replacement     | ZS1Y   |
| 28210.0 | 2007 | 11 | 03 | 1930 | PIRATES     | Brazilian pirates !            | PY2RF  |