AR7030 Spurii List

Every complex receiver generates internal signals that are received by the receiver itself and appear as small whistles or unmodulated carriers on the recovered audio. These are known as spurii or birdies. The following list shows spurii found on typical, fully cased AR7030's with antenna connections terminated into a 50 ohm dummy load. Whilst trying to ensure that the list is accurate and comprehensive we cannot guarantee that it is definitive and the number and level of spurii may vary slightly from set to set. We must therefore stress that any further spurii you may find that are not documented on this list do not constitute a fault condition.

The first column shows the frequency - this can vary with mode, differ slightly between sets and may be temperature dependant. The second column shows the signal strength measured on the S-meter and is shown as the S point + 1dB increments. No level indicates that the spurious was below the S-meter threshold.

The third column shows the difference to the S-meter reading when the pre-amp is activated - in many cases the spurii level actually falls, again no level indicates that the spurious was below the S-meter threshold.

As an indication S1 is approximately equal to -113dBm or 0.5uV

630 kHz 750 kHz 945 kHz 1120 kHz 1249 kHz 1492 kHz 1.8559 MHz 2.2136 MHz 2.2136 MHz 2.2340 MHz 2.2340 MHz 2.4417 MHz 2.4417 MHz 2.4849 MHz 2.6050 MHz 2.9760 MHz 3.1036 MHz 3.1036 MHz 3.7240 MHz 4.3420 MHz 4.3420 MHz 4.3596 MHz 5.3399 MHz 5.3399 MHz 5.8420 MHz 5.9724 MHz 6.1970 MHz 6.8156 MHz 6.8156 MHz 6.8917 MHz S1+4 7.0425 MHz S2 7.1190 MHz 8.0087 MHz 8.0087 MHz 8.0087 MHz
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