

## 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

Frequency	S-meter	Pre-amp +10dB
630 kHz		
750 kHz		
945 kHz		
1120 kHz		
1249 kHz		
1492 kHz		
1.8559 MHz		
1.8680 MHz		
2.2136 MHz		
2.2340 MHz		
2.4417 MHz		
2.4849 MHz		
2.6050 MHz		
2.9760 MHz		
3.1036 MHz		
3.7240 MHz		
4.3420 MHz		
4.8836 MHz		
4.9596 MHz		
4.9976 MHz		
5.3399 MHz		
5.8420 MHz		
5.9724 MHz		
6.1970 MHz		
6.8156 MHz		
6.8917 MHz	S1+4	
7.0425 MHz	S2	
7.1190 MHz		
7.7797 MHz		
8.0087 MHz		
8.0509 MHz		
8.3594 MHz		
8.8986 MHz		
9.2801 MHz		
10.2204 MHz		
10.5256 MHz		
10.5638 MHz	S3+1	S1+4
10.5867 MHz		
10.6210 MHz		
10.7927 MHz	S3	S1+4
10.9072 MHz		
11.1362 MHz	S1+4	S5+2

12.2037 MHz		
12.3346 MHz		
13.5768 MHz		
14.2377 MHz	S1+2	
14.3140 MHz		
14.4667 MHz		
14.5430 MHz	S1+4	
15.0009 MHz	S6	S3+4
15.0412 MHz		
16.0174 MHz		
16.1319 MHz		
16.3608 MHz		
16.4753 MHz		
17.2684 MHz	S2+1	S1
17.4516 MHz	S2+1	S2
17.9498 MHz	S1+1	
18.2550 MHz		
18.9160 MHz		
19.6788 MHz		
20.4163 MHz		
21.3566 MHz		
21.5855 MHz		
21.6619 MHz		
21.7000 MHz		
21.9290 MHz		
22.0435 MHz		
22.2724 MHz	S1+4	
25.0564 MHz		
25.3740 MHz		
25.9845 MHz		
26.1774 MHz	S1+1	
26.3606 MHz		
26.9125 MHz		
27.0015 MHz		
27.1537 MHz		
27.8406 MHz		
29.0860 MHz	S1+4	
29.3913 MHz	S2+4	S1+4
30.0522 MHz		
30.2812 MHz		