Test Report: RT1200

Additional tests were carried out on a sample RT1200 to Code of Federal Regulations Book 47 part 2 paragraph 989(c)(1) and 995(a)(2) and (b)

The results are shown below.

Paragraph 2.989 Occupied Bandwidth.

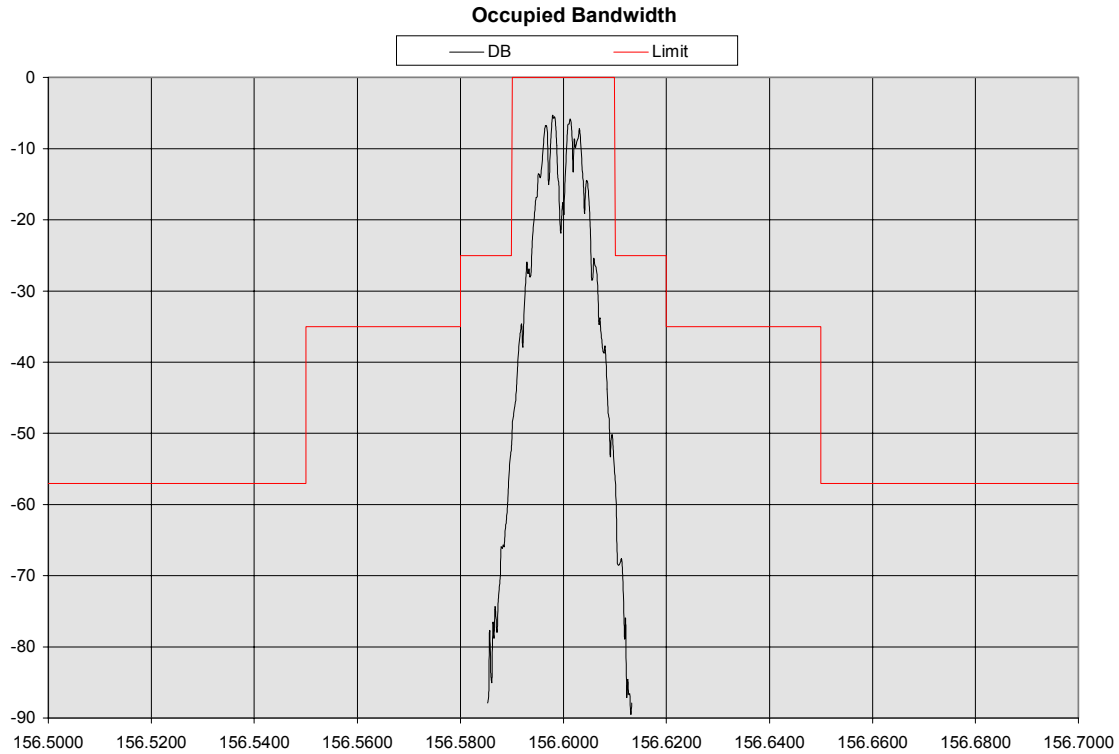
Method:

The sample radio was connected to an AF source and modulation meter. The AF frequency was set to 2500Hz and the modulation level set to 50% of the maximum level (2.5kHz). The level was increased by 16dB and the AF frequency was varied to search for the maximum deviation. The Spectrum was then displayed on a spectrum analyser and the results plotted.

Test Equipment:

AF source	Rohde & Schwarz CMT	18/8/98
Modulation Meter	Rohde & Schwarz CMT	18/8/98
Spectrum Analyser	Rohde & Schwarz FSAS	6/10/98

Results:



The Occupied Bandwidth meets the requirements of Part 80.211(f).

Paragraph 2.995 Frequency Stability

Method:

The sample radio was placed in an environmental chamber and left over night at -20°C to stabilise the temperature.

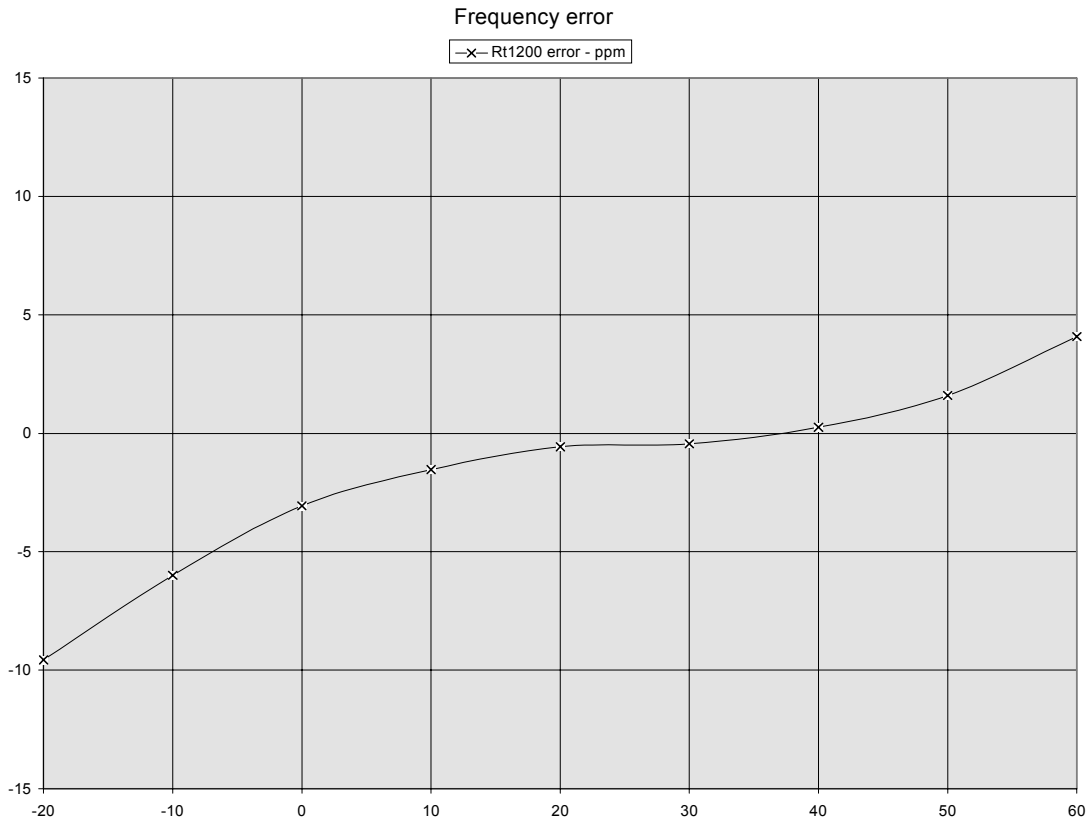
The frequency was measured at 10°C intervals, allowing 10 minutes to change temperature and 30 minutes for the unit under test to stabilise.

Test Equipment

Voltage	Iso Tech IDM68	
Temperature	Fluke 52 Digital Thermometer	28/7/98
Frequency	Rohde & Schwarz CMT	18/8/98

Test Results:

Temp °C	Frequency MHz	Offset Hz	Error ppm
-20	156.798500	-1500	-9.57
-10	156.799060	-940	-5.99
0	156.799520	-480	-3.06
10	156.799760	-240	-1.53
20	156.799910	-90	-0.57
30	156.799930	-70	-0.45
40	156.800040	40	0.26
50	156.800250	250	1.59
60	156.800640	640	4.08



The Transmitter frequency tolerance meets the requirements of Part 80.209(a)