

Company: Wavemark
FCC ID: UQY-HF1000

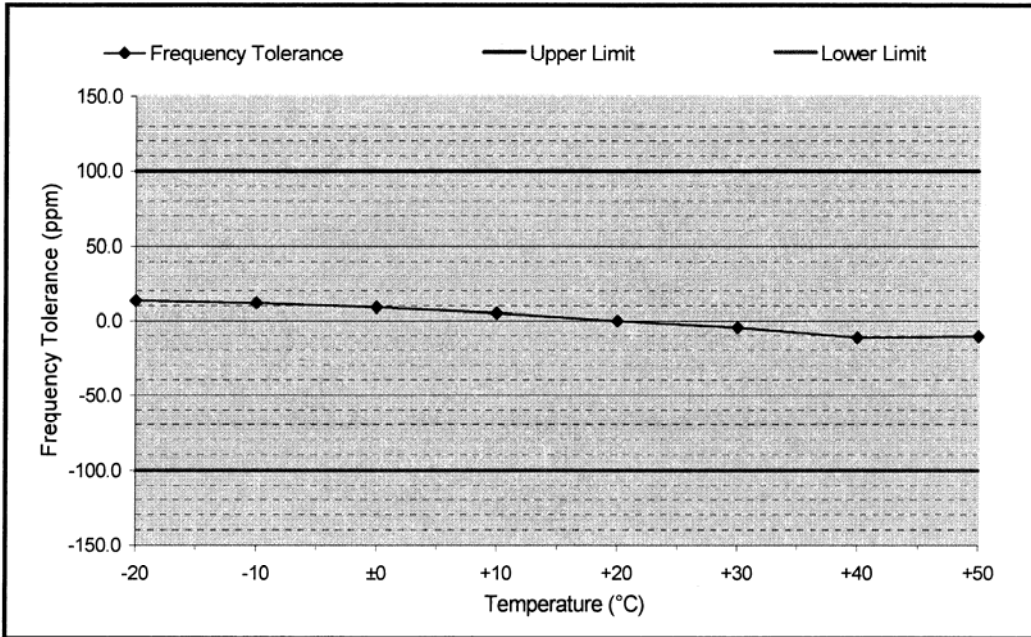
Data Taken from original radio module test report with FCC ID: **PJMMR101-PR101**

Carrier Frequency Stability

Rules and specifications:	CFR 47 Part 15, section 15.225(e) IC RSS-210 Issue 5, sections 6.2.2(e) and 6.4
Guide:	ANSI C63.4
Limit:	The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ (± 100 ppm) of the carrier frequency under nominal conditions.
Temperature range:	-20°C to +50°C (at normal supply voltage)
Voltage range:	85% to 115% of the rated supply voltage (at a temperature of +20 °C)

Comment:	
Date of test:	22 nd March 2005

Carrier Frequency Stability with Temperature

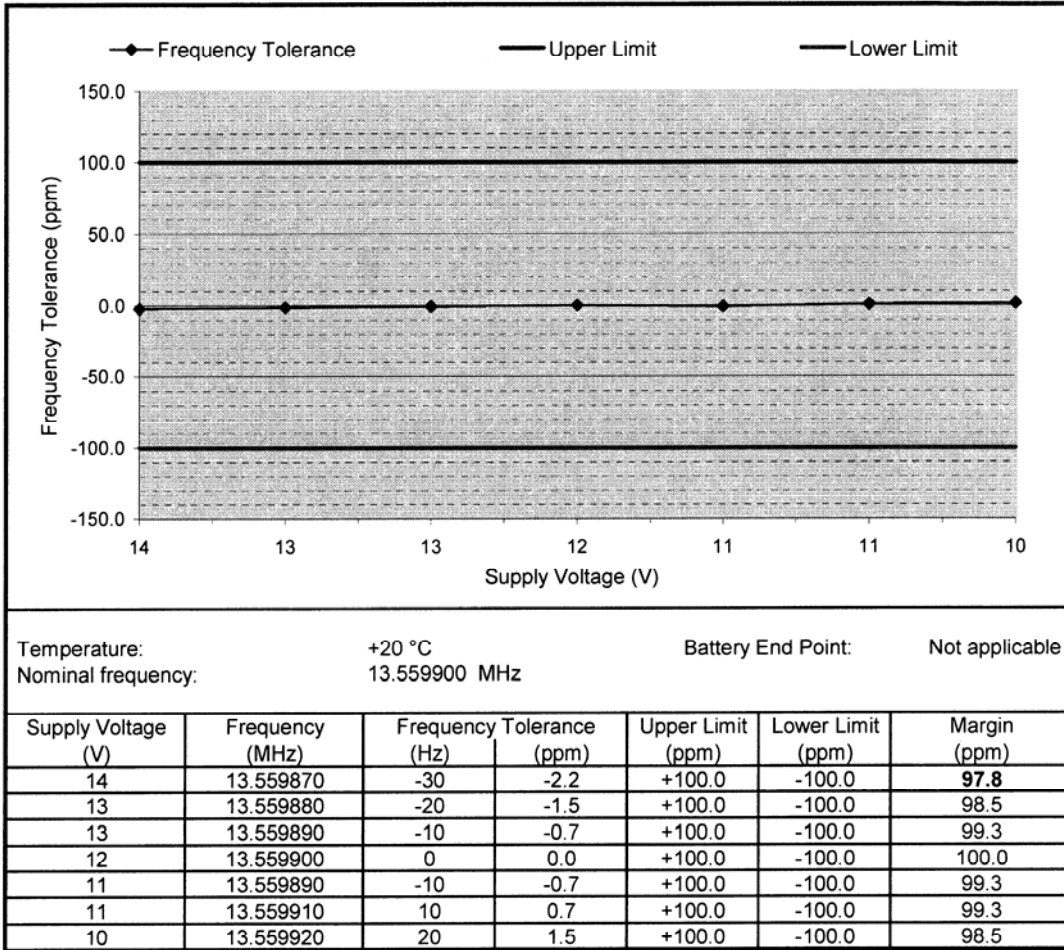


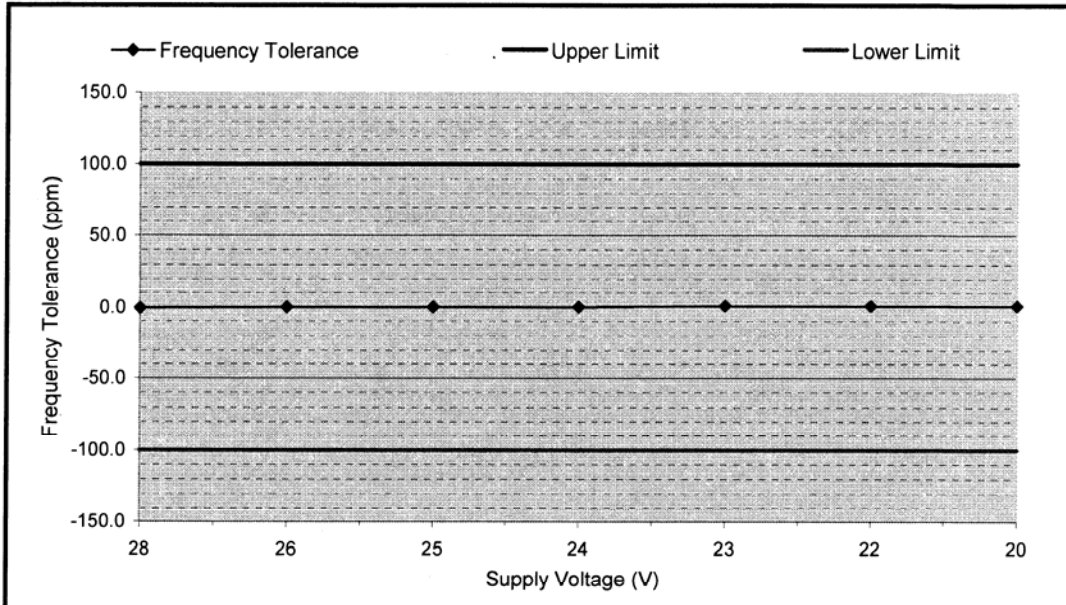
Supply voltage: 12 V Nominal frequency: 13.559900 MHz

Temperature (°C)	Frequency (MHz)	Frequency Tolerance (Hz)	Frequency Tolerance (ppm)	Upper Limit (ppm)	Lower Limit (ppm)	Margin (ppm)
-20	13.560080	180	13.3	+100.0	-100.0	86.7
-10	13.560060	160	11.8	+100.0	-100.0	88.2
±0	13.560020	120	8.8	+100.0	-100.0	91.2
+10	13.559970	70	5.2	+100.0	-100.0	94.8
+20	13.559900	0	0.0	+100.0	-100.0	100.0
+30	13.559840	-60	-4.4	+100.0	-100.0	95.6
+40	13.559750	-150	-11.1	+100.0	-100.0	88.9
+50	13.559760	-140	-10.3	+100.0	-100.0	89.7

Test Result: Test passed

Carrier Frequency Stability vs Voltage





Temperature: +20 °C Battery End Point: Not applicable
 Nominal frequency: 13.559850 MHz

Supply Voltage (V)	Frequency (MHz)	Frequency Tolerance (Hz)	Frequency Tolerance (ppm)	Upper Limit (ppm)	Lower Limit (ppm)	Margin (ppm)
28	13.559840	-10	-0.7	+100.0	-100.0	99.3
26	13.559850	0	0.0	+100.0	-100.0	100.0
25	13.559850	0	0.0	+100.0	-100.0	100.0
24	13.559850	0	0.0	+100.0	-100.0	100.0
23	13.559860	10	0.7	+100.0	-100.0	99.3
22	13.559860	10	0.7	+100.0	-100.0	99.3
20	13.559860	10	0.7	+100.0	-100.0	99.3

Test Result: Test passed