



EMC Test Data

Client: TOA Corporation	Job Number: J41857
Model: WM-3210 & WM-3220	T-Log Number: T42291
	Proj Eng: David Bare
Contact: Hisayuki Okuoka	
Spec: FCC 74, 90, & RSS-123	Class: N/A

Frequency Stability (Section 2.1055)

Test Specifics

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 7/7/01	Config. Used: 1
Test Engineer: jmartinez	Config Change: None
Test Location: Enviromental Chamber	EUT Voltage: 9Vdc

General Test Configuration

A spectrum analyzer, a combiner, and support equipment were all place on top of a table. The EUT was connected directly to the spectrum analyzer by a low loss coaxial cable, so as to measure the frequency drift. The EUT was placed inside the temperature c

Ambient Conditions: Temperature: N/A
Rel. Humidity: N/A

Summary of Results

Run #	Test Performed	Limit	Result	Comments
1	Temperature Vs. Frequency	FCC 90.265	Pass	

Modifications Made During Testing: None



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Run# 1: Temperature Vs. Frequency

Frequency: 171.04 MHz

Temperature	Drift	99% Occupied BW	Limit
Celsius	(Hz)	(kHz)	(kHz)
-30	2620	29.8	+/-32.5
-20	1320	28.6	+/-32.5
-10	620	29.2	+/-32.5
0	100	26.5	+/-32.5
10	20	27.6	+/-32.5
20	30	25.3	+/-32.5
30	2	25.1	+/-32.5
40	-48	25.4	+/-32.5
50	120	25.3	+/-32.5

Note:

For this test the modulation test tone (2.5 kHz) was injected directly into the handheld microphone (Max input was -25.8 dBm). The Occupied Bandwidth was measured for each temperature change.