Elliott

EMC Test Data

Client:	TOA	Job Number:	J41858
Model:	WM-3310	T-Log Number:	T43245
		Proj Eng:	David Bare
Contact:	Hisayuki Okuoka		
Spec:	FCC & Canada	Class:	N/A

Section 2.1055: Frequency Stability

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 and support equipment were all place on top of a table, located outside the temperature chamber. A pick-up antenna was used to receive the CW carrier. The pick-up probe was connected to a spectrum analyzer, which was used ot measure

Ambient Conditions:

Temperature: N/A

Rel. Humidity: N/A

Summary of Results

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

Modifications Made During Testing: None

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Run# 1: Temperature Vs. Frequency
Frequency: 171.04 MHz

Temperature Celsius	Drift (Hz)	99% Occupied BW (kHz)	Limit (kHz)
-30	-750	49.2	+/-32.5
-20	0	49.4	+/-32.5
-10	750	49.9	+/-32.5
0	1300	49.5	+/-32.5
10	1000	50	+/-32.5
20	800	49.7	+/-32.5
30	800	49.5	+/-32.5
40	500	49.2	+/-32.5
50	200	49.2	+/-32.5

Note:	For this test the modulation test tone (2.5 kHz) was injected directy into the belt-strap microphone (Max input was -26 dBm). The Occupied Bandwidth was measured for each temperature change.