Elliott

EMC Test Data

Client:	Standard Communications	Job Number:	J41061
Model:	CRM4200	T-Log Number:	T41216
		Proj Eng:	David Bare
Contact:	Micheal Malin		
Spec:	2.1091 MPE: mobile devices	Class:	N/A

RF Hazard (Section 2.1091): Mobile Devices

Test Specifics

Objective: This test is required per FCC rule part 2 certification procedure. The objective of this test session is to perform final qualification testing the EUT relative to the specification(s) defined above.

Date of Test: 6/7/01
Test Engineer: jmartinez
Test Location: Chamber #1

Config. Used: 1
Config Change: None
EUT Voltage: 12 and 5 Vdc

General Test Configuration

The EUT was located on the turntable for MPE evaluation testing. The transmit antenna was placed in the middle of the table. The Probe was placed 20 cm from the antenna. Tests were performed inside a Chamber.

Ambient Conditions:

Temperature: 25°C
Rel. Humidity: 45%

Summary of Results

Run #	Test Performed	Limit	Result	Margin
1	MPE Routing Evaluation	.549 mW/cm^2	Pass	Refer to individual runs

Modifications Made During Testing: None

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Section 1.1310 RF Hazard MPE limits
Uncontrolled/polupoated

Frequency (MHz)	**Limit (mW/cm^2)**
300 - 1500 MHz	Freq. **/** 1500

824 MHz / 1500 = .549 mw/cm^2

Run #1: RF Hazard Evaluation Test
Fundamental frequency: 831.99 MHz

Measured	Position	1.1310		Comment
mW/cm^2	Degrees	Limit (mW/cm^2)	Margin	Note
0.526	0	0.549	-0.023	1 and 2
0.321	90	0.549	-0.228	1 and 2
0.510	180	0.549	-0.039	1 and 2
0.210	270	0.549	-0.339	1 and 2

Note 1:	Measured at 20 cm distance as required by OET 65 C, procedure for RF Hazard evaluation for mobile devices
Note 2:	The antenn was tested with a ground plane. Coax shield was bonded or soldered to ground plane, and antennas was connected to the coax end side.