



## EMC Test Data

Client:	Standard Communications	Job Number:	J41061
Model:	CRM4250	T-Log Number:	T41216
		Proj Eng:	David Bare
Contact:	Micheal Malin		
Emissions Spec:	2.1091 MPE: mobile devices	Class:	N/A
Immunity Spec:		Environment:	

# EMC Test Data

For The

## Standard Communications

Model

**CRM4250**



## EMC Test Data

Client: Standard Communications	Job Number: J41061
Model: CRM4250	T-Log Number: T41216
Contact: Micheal Malin	Proj Eng: David Bare
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: 4/11/01  
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 <sup>2</sup>	Pass	Refer to individual runs
2	MPE Routing Evaluation	.549 mW/cm <sup>2</sup>	Pass	Refer to individual runs

**Modifications Made During Testing:** None



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### Section 1.1310 RF Hazard MPE limits

Uncontrolled/polupoaded

**Frequency (MHz)**      **Limit (mW/cm<sup>2</sup>)**  
 300 - 1500 MHz      Freq. / 1500

$$824 \text{ MHz} / 1500 = .549 \text{ mw/cm}^2$$

### Run #1: RF Hazard Evaluation Test

Fundamental frequency: 831.99 MHz

Measured	Position	1.1310		Comment
mW/cm <sup>2</sup>	Degrees	Limit (mW/cm <sup>2</sup> )	Margin	Note
0.518	0	0.549	-0.031	1 and 2
0.360	90	0.549	-0.189	1 and 2
0.427	180	0.549	-0.122	1 and 2
0.501	270	0.549	-0.048	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: Modulation applied and set to maximum output power.

### Run #2: RF Hazard Evaluation Test

Fundamental frequency: 831.99 MHz

Measured	Position	1.1310		Comment
mW/cm <sup>2</sup>	Degrees	Limit (mW/cm <sup>2</sup> )	Margin	Note
0.521	0	0.549	-0.028	1 and 2
0.420	90	0.549	-0.129	1 and 2
0.470	180	0.549	-0.079	1 and 2
0.524	270	0.549	-0.025	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: CW only and set to maximum output power.

MPE measuremetns, 12-Apr-01 09:26 AM

Engineer: jmartinez

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Assett #</u>	<u>Cal interval</u>	<u>Last Calibrated</u>	<u>Cal Due</u>
Holiday Industries	Field Probe 200KHz - 40GHz	HI-4455	910	12	4/28/00	4/28/01
Hewlett Packard	Microwave EMI test system (SA40, 30Hz - 40GHz)	84125C	1149	12	2/5/01	2/5/02
Hewlett Packard	Frequency Generator, 10 Hz-10MHz	651B	'64, (F132	N/A		