Client:	Standard Communications	Job Number:	J41061
Model:	CMM7700 & 8700	T-Log Number:	T41217
		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

CMM7700 & 8700

Elliott

EMC Test Data

Client:	Standard Communications	Job Number:	J41061
Model:	CMM7700 & 8700	T-Log Number:	T41217
		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: 4/11/01   Config. Used: 1
Test Engineer: jmartinez   Config Change: None
Test Location: Chamber #1   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
2	MPE Routing Evaluation	.549 mW/cm^2	Pass	Refer to individual runs

Modifications Made During Testing: None

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EMC Test Data

Client:	Standard Communications	Job Number:	J41061
Model:	CMM7700 & 8700	T-Log Number:	T41217
		Proj Eng:	David Bare
Contact:	Micheal Malin		
Spec:	2.1091 MPE: mobile devices	Class:	N/A

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
0.485	0	0.549	-0.064	1 and 2
0.385	90	0.549	-0.164	1 and 2
0.365	180	0.549	-0.184	1 and 2
0.525	270	0.549	-0.024	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^2	Degrees	Limit (mW/cm^2)	Margin	Note
0.520	0	0.549	-0.029	1 and 2
0.410	90	0.549	-0.139	1 and 2
0.470	180	0.549	-0.079	1 and 2
0.518	270	0.549	-0.031	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

Manufacturer	Description	Model #	Assett #	Cal interval	Last Calibrated	Cal Due
Holaday 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		