



EMC Test Data

Client:	Wireless Networks	Job Number:	J39607
Model:	FPR-U20-110 & FPR-U20-120	T-Log Number:	T39676
		Proj Eng:	David Bare
Contact:	Micheal Hu		
Spec:	FCC 90.210	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: 9/21/00
Test Engineer: jmartinez
Test Location: Chamber #1

Config. Used: 1
Config Change: None
EUT Voltage: 120V/60Hz

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	.300 mW/cm ²	Pass	Refer to individual runs
2	MPE Routing Evaluation	.300 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/polupoaded

<u>Frequency (MHz)</u>	<u>Limit (mW/cm²)</u>
300 - 1500 MHz	Freq. / 1500

$$450 \text{ MHz} / 1500 = .300 \text{ mw/cm}^2$$

Run #1: RF Hazard Evaluation Test

Fundamental frequency: 461.99 MHz (Unit# 1)

Measured	Position	1.1310		Comment
mW/cm ²	Degrees	Limit (mW/cm ²)	Margin	Note
0.127	0	0.300	-0.173	1 and 2
0.144	90	0.300	-0.156	1 and 2
0.163	180	0.300	-0.137	1 and 2
0.106	270	0.300	-0.194	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: 461.99 MHz (Unit# 1)

Measured	Position	1.1310		Comment
mW/cm ²	Degrees	Limit (mW/cm ²)	Margin	Note
0.129	0	0.300	-0.171	1 and 2
0.142	90	0.300	-0.158	1 and 2
0.167	180	0.300	-0.133	1 and 2
0.102	270	0.300	-0.198	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.