Elliott

EMC Test Data

Client:	Standard Communications	Job Number:	J42845
Model:	CRM4200	T-Log Number:	T42858
		Proj Eng:	David Bare
Contact:	Michael Malin		
Spec:	FCC 22 (Cellular)	Class:	Enter on cover sheet

Radiated Power Measurement

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: 4/5/01
Test Engineer: jmartinez
Test Location: SVOATS #1

Config. Used: None
Config Change: None
EUT Voltage: + 5Vdc

General Test Configuration

The EUT was located on the turntable for radiated emissions testing.

On the OATS, the measurement antenna was located 3 meters from the EUT for the power output measurement.

Ambient Conditions:

Temperature: 14°C
Rel. Humidity: 52%

Summary of Results

Run #	Test Performed	Limit	Result	Comment
1	Radiated Power Measurement (ERP)	22.915	Pass	

Modifications Made During Testing:

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.

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Run #1: Radiated Power Measurement (ERP)
Measurement performed at 3 meters

Frequency	Level	Pol	22.915		Detector	Azimuth	Height	Comments
MHz	dBµV/m	v/h	Limit	Margin	Pk/QP/Avg	degrees	meters	
834.990	100.9	v	N/A	N/A	Pk	145	1.1	Note 1
834.990	125.4	h	N/A	N/A	Pk	140	1.0	Note 1

Note 1:	The radiated power measurements was performed for the Centurion 2.5 dBi antenna (M/N: EXE-821-SM)
Note 2:	

Maximum Reading is 125.4 dBuV/m @ 3 Meters

Power = (E(V/m) * D)^2 / 30 * 1
Power = (1.86852 * 3)^2 / 30 = 1.0474 Watts or 30.2 dBm (EIRP)

ERP = 30.2 dBm – 2.14 dB = 28.06 dBm

Radiated Power Measurement, 05-April-01 11:31 AM
Engineer: jmartinez

Manufacturer	Description	Model #	Assett #	Cal interval	Last Calibrated	Cal Due
Elliott Laboratories	Log Periodic Antenna 300-1000 MHz	EL300.1000	297	12	1/2/01	1/2/02
Rohde &Schwarz	Test Receiver, 20-1300MHz	ESVP	213	12	11/10/00	11/10/01