

Client:	Nextivity Inc.	Job Number:	J84755
Model:	CELFI-RS240WU	T-Log Number:	T84761
		Account Manager:	Sheareen Washington
Contact:	Rama Akella		
Standard:	FCC Part 15, 27	Class:	N/A

Maximum Permissible Exposure

Test Specific Details

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: 10/31/2011

Test Engineer: David Bare

General Test Configuration

Calculation uses the free space transmission formula:

$$S = (PG)/(4 \pi d^2)$$

Where: S is power density (W/m^2), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with Power Density requirements at 20cm separation:	Yes
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Use: General

Used for Multiple Transmitters

CU unit (a transmitted "channel" for both WCDMA and OFDM consists of the 3 WCDMA sub channels or the 6 OFDM subchannels respectively. All sub channels were present during power measurements.)

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2110-2155	WCDMA		13.5	0.0	13.5	0.022	211	1	0.022	13.50
5470-5725	OFDM		17.4	5.5	22.9	0.195	7	1	0.195	22.90
Totals:								2	0.217	23.37

Power Density (S) @ 20cm (mW/cm²) 0.043
 MPE Limit @ 20cm (mW/cm²) 1.0
 Distance at which S > MPE Limit 4.2cm

WU unit (a transmitted "channel" for both WCDMA and OFDM consists of the 3 WCDMA sub channels or the 6 OFDM subchannels respectively. All sub channels were present during power measurements.)

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
1710-1755	WCDMA		20.9	4.4	25.3	0.339	211	1	0.339	25.30
5150-5350	OFDM		17.4	5.5	22.9	0.193	5	1	0.193	22.85
Totals:								2	0.532	27.26

Power Density (S) @ 20cm (mW/cm²) 0.106
 MPE Limit @ 20cm (mW/cm²) 1.0
 Distance at which S > MPE Limit 6.5cm