

Client: Nextivity, Inc.	Job Number: J78899
Model: Cel-Fi	T-Log Number: T78964
	Account Manager: Sheareen Washington
Contact: Rama Akella	
Standard: FCC Part 15 and 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: 5/20/2010
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

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP		
		Peak	Average		dBm	W			W	dBm	
2110-2155	WCDMA		11.7	1.0	12.7	0.019	211	1	0.019	12.70	
5150 - 5350	OFDM		11.3	5.1	16.4	0.044	7	1	0.044	16.40	
Totals:								2		0.062	17.94

Power Density (S) @ 20cm (mW/cm²) **0.012**
MPE Limit @ 20cm (mW/cm²) 1.0
Distance at which S > MPE Limit 2.2cm

WU unit

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP		
		Peak	Average		dBm	W			W	dBm	
1710-1755	WCDMA		18.9	6.0	24.9	0.309	211	1	0.309	24.90	
5470-5725	OFDM		15.3	3.6	18.9	0.078	5	1	0.078	18.90	
Totals:								2		0.387	25.87

Power Density (S) @ 20cm (mW/cm²) **0.077**
MPE Limit @ 20cm (mW/cm²) 1.0
Distance at which S > MPE Limit 5.5cm