

Client:	Ubiquiti Networks	Job Number:	J85880
Model:	NanoBridge M5	T-Log Number:	T85882
Contact:	Jennifer Sanchez	Account Manager:	Susan Pelzl
Standard:	FCC 15.407, RSS-210 Issue 8	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: 2/3/2012
Test Engineer: Mark Hill

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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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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Use: General

Antenna: 25dBi Dish, Effective gain is 28dBi per KDB 662911 D01 for correlated signals

Freq. MHz	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Power Density (S) at 20 cm	MPE Limit at 20 cm
	dBm	mW*	dB	dBi	dBm	mW	mW/cm ²	mW/cm ²
5255	-5.4	0.3	0	28	-5.4	183.00	0.036	1.000
5300	-5.7	0.3	0	28	-5.7	169.80	0.034	1.000
5340	-4.5	0.4	0	28	-4.5	224.69	0.045	1.000
5475	-7.4	0.2	0	28	-7.4	115.02	0.023	1.000
5595	-5.2	0.3	0	28	-5.2	191.56	0.038	1.000
5715	-5.6	0.3	0	28	-5.6	175.60	0.035	1.000
5265	-2.0	0.6	0	28	-2.0	398.48	0.079	1.000
5270	1.2	1.3	0	28	1.2	840.13	0.167	1.000
5300	1.3	1.4	0	28	1.3	858.36	0.171	1.000
5320	1.4	1.4	0	28	1.4	866.60	0.172	1.000
5500	1.7	1.5	0	28	1.7	934.71	0.186	1.000
5580	2.0	1.6	0	28	2.0	992.39	0.197	1.000
5700	1.7	1.5	0	28	1.7	929.68	0.185	1.000
5275	1.7	1.5	0	28	1.7	939.53	0.187	1.000
5310	1.7	1.5	0	28	1.7	927.77	0.185	1.000
5510	1.6	1.4	0	28	1.6	907.00	0.180	1.000
5550	1.9	1.6	0	28	1.9	983.65	0.196	1.000
5670	1.5	1.4	0	28	1.5	886.79	0.176	1.000