Elliott An *NTS* company

Client:	Ubiquiti Networks	Job Number:	J82753
Model:	NanoStation M5	T-Log Number:	T85881
		Account Manager:	Susan Pelzl
Contact:	Jennifer Sanchez		
Standard:	RSS 210, FCC 15E	Class:	-

Maximum Permissible Exposure

Test Specific Details

Objective: Evaluate the RF Exposure requirements per FCC 1.1310, 2.1091 and RSS-102.

Date of Test: 1/12/2012
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/No
If not, required separation distance (in cm):	Yes

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.

EMC Test Data

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Use: General
Antenna: Integral 16 dBi MIMO

USE THIS FOR 1.5-15 GHz single transmitters

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
5295	10.5	11.2	0	19	10.5	891.25	0.177	1.000
5510	10.9	12.3	0	19	10.9	977.24	0.194	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm^2	MPE Limit mW/cm^2	Distance where S <= MPE Limit
5295	0.177	1.000	8.4cm
5510	0.194	1.000	8.8cm