Client:	Ubiquiti Networks	Job Number:	J85169
Model:	mPort-S (Serial Port Version)	T-Log Number:	T85772
		Account Manager:	Susan Pelzl
Contact:	Jennifer Sanchez		
Standard:	FCC 15.247/EN 300 328	Class:	N/A

RF 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: 6/11/2012

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

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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Standard:	FCC 15.247/EN 300 328	Class:	N/A

Use: General
Antenna: 3dBi (Internal - worse case eirp)

802.11g

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
2412	9.0	7.9	0	3	9.0	15.85	0.003	1.000
2437	9.8	9.5	0	3	9.8	19.05	0.004	1.000
2462	8.3	6.8	0	3	8.3	13.49	0.003	1.000

802.11n20

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
2412	7.7	5.9	0	3	7.7	11.75	0.002	1.000
2437	9.2	8.3	0	3	9.2	16.60	0.003	1.000
2462	7.8	6.0	0	3	7.8	12.02	0.002	1.000

RF Exposure Threshold = 60/f (MHz) 0.0244 W
24.37 mW

Note - worse case EIRP is below the RF exposure threshold.