



EMC Test Data

Client:	Ruckus Wireless	Job Number:	J73710
Model:	Dalmatian	T-Log Number:	T73803
		Account Manager:	Dean Eriksen
Contact:	Craig Owens		
Standard:	FCC Part 15.247/RSS-210	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: 3/17/2009

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/No
Worst Case Power Density (W/m^2):	0.18

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: 3dBi

802.11a

Freq. MHz	EUT Power		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
	dBm	mW*						
5180	16.4	43.4	0	3	16.4	86.51	0.017	1.000
5200	16.3	42.5	0	3	16.3	84.87	0.017	1.000
5240	16.5	44.9	0	3	16.5	89.63	0.018	1.000

802.11n HT20

Freq. MHz	EUT Power		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
	dBm	mW*						
5180	15.8	38.0	0	3	15.8	75.75	0.015	1.000
5200	16.2	41.6	0	3	16.2	83.07	0.017	1.000
5240	15.7	37.0	0	3	15.7	73.88	0.015	1.000

802.11n HT40

Freq. MHz	EUT Power		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
	dBm	mW*						
5190	14.9	30.8	0	3	14.9	61.39	0.012	1.000
5230	16.3	43.0	0	3	16.3	85.82	0.017	1.000