

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: 4/6/2009

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/m²), 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
Worst Case Power Density (W/m ²):	0.95

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 - 5250-5350 MHz band

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*						
5260	23.1	205.4	0	3	23.1	409.73	0.082	1.000
5300	22.8	189.9	0	3	22.8	378.97	0.075	1.000
5320	19.8	94.9	0	3	19.8	189.32	0.038	1.000

802.11 HT20 - 5250-5350 MHz band

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*						
5260	22.9	193.7	0	3	22.9	386.52	0.077	1.000
5300	23.0	197.5	0	3	23.0	394.11	0.078	1.000
5320	19.5	88.6	0	3	19.5	176.87	0.035	1.000

802.11 HT40 - 5250-5350 MHz band

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*						
5270	23.8	239.9	0	3	23.8	478.63	0.095	1.000
5310	20.7	117.5	0	3	20.7	234.42	0.047	1.000

802.11a - 5470-5725 MHz band

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*						
5500	22.4	173.5	0	3	22.4	346.19	0.069	1.000
5600	23.1	203.1	0	3	23.1	405.18	0.081	1.000
5700	23.1	205.5	0	3	23.1	410.00	0.082	1.000

802.11 HT20 - 5470-5725 MHz band

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*						
5500	22.4	173.0	0	3	22.4	345.25	0.069	1.000
5600	23.5	224.5	0	3	23.5	447.88	0.089	1.000
5700	23.5	223.0	0	3	23.5	444.99	0.089	1.000

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802.11 HT40 - 5470-5725 MHz band

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*						
5510	23.2	208.3	0	3	23.2	415.55	0.083	1.000
5590	23.4	218.7	0	3	23.4	436.32	0.087	1.000
5670	23.5	224.0	0	3	23.5	446.89	0.089	1.000