

Client:	Summit Data Communications	Job Number:	J74548
Model:	802.11abg Compact Flash Card	T-Log Number:	T74640
		Account Manager:	Christine Krebill
Contact:	Jerry Pohmurski		
Standard:	FCC 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: 4/7/2009

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
Power Density, S in mW/cm^2	0.029

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: 3.8 dBi for 2.4 GHz, 5 dBi for 5.7 GHz

802.11b mode

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*						
2412	16.8	47.9	0	3.8	16.8	114.82	0.023	1.000
2437	17.9	61.5	0	3.8	17.9	147.57	0.029	1.000
2462	17.3	53.6	0	3.8	17.3	128.53	0.026	1.000

802.11g mode

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*						
2412	13.2	21.1	0	3.8	13.2	50.58	0.010	1.000
2437	13.5	22.4	0	3.8	13.5	53.70	0.011	1.000
2462	12.8	19.1	0	3.8	12.8	45.92	0.009	1.000

802.11a mode - 5.7 GHz

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*						
5745	10.6	11.4	0	5	10.6	36.14	0.007	1.000
5785	11.6	14.5	0	5	11.6	45.71	0.009	1.000
5805	11.6	14.4	0	5	11.6	45.60	0.009	1.000