Elliott
An *NTS* company

EMC Test Data

Client:	Askey Computer Corporation	Job Number:	J76020
Model:	WPA5151	T-Log Number:	T76037
		Account Manager:	Dean Eriksen
Contact:	Jerry Chan		
Standard:	FCC Part 15, 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: 7/31/2009
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
Maximum Power Density (mW/cm^2) @ 20cm	0.018

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: 0.4 dBi trace antenna

802.11g

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	15.8	38.0	0	0.4	15.8	41.69	0.008	1.000
2457	18.5	70.8	0	0.4	18.5	77.62	0.015	1.000
2462	16.0	39.8	0	0.4	16.0	43.65	0.009	1.000

802.11b

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	19.1	81.3	0	0.4	19.1	89.13	0.018	1.000
2437	18.6	72.4	0	0.4	18.6	79.43	0.016	1.000
2462	19.1	81.3	0	0.4	19.1	89.13	0.018	1.000