



EMC Test Data

Client:	Broadcom Corporation	Job Number:	J86739
Model:	BCM94330UARTSDB (802.11bg WLAN + BT 4.0, 20MHz SISO only) P103	T-Log Number:	T87181
		Account Manager:	Sheareen Jacobs
Contact:	Anne Liang (Sachin Sawalapurkar)		
Standard:	FCC 15.247, LP0002	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: 7/23/2012

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
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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: 3.9dBi

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	16.5	44.7	0	3.9	16.5	109.65	0.022	1.000
2437	18.1	64.6	0	3.9	18.1	158.49	0.032	1.000
2462	15.7	37.2	0	3.9	15.7	91.20	0.018	1.000

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	13.6	22.9	0	3.9	13.6	56.23	0.011	1.000
2437	15.5	35.5	0	3.9	15.5	87.10	0.017	1.000
2462	11.2	13.2	0	3.9	11.2	32.36	0.006	1.000