Client:	Broadcom	Job Number:	J84866
Model:	BCM943142HM 802.11bgn (20 and 40MHz SISO only + BT 4.0)	T-Log Number:	T84936
		Account Manager:	Sheareen Washington
Contact:	Anne Liang		
Standard:	FCC 15.247, 15.E, 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: 10/28/2011

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 at 20cm (mW/cm^2)	0.017

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 - Worse case operating mode

Freq. MHz	EUT Power dBm	EUT Power mW*	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
2412	15.5	35.3	0	3.9	15.5	86.70	0.017	1.000
2437	14.9	31.1	0	3.9	14.9	76.38	0.015	1.000
2462	14.8	30.0	0	3.9	14.8	73.62	0.015	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm^2	MPE Limit mW/cm^2	Distance where S <= MPE Limit
2412	0.017	1.000	2.6cm
2437	0.015	1.000	2.5cm
2462	0.015	1.000	2.4cm