EMC Test Data

	An ACATAS company						
Client:	Broadcom Corporation	Job Number:	J83157				
Model:	DCM042227UMD 902 11hgp M/I ANI + Plugtooth Mini Cord	T-Log Number:	T83268				
	BCM943227HMB 802.11bgn WLAN + Bluetooth Mini Card	Account Manager:	Sheareen Washington				
Contact:	Anne Liang						
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: 8/11/2011 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/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:	VAC
Power Density at 20cm (mW/cm ²)	0.035

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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	An などろう company :: Broadcom Corporation						Job Number: J83157				
	Model: BCM943227HMB 802.11bgn WLAN + Bluetooth Mini Card							og Number:			
Model:										: Sheareen Washington	
	Anne Liar										
Standard:	andard: FCC 15.247/RSS-210						Class: N/A				
Use: Antenna:	General 3.9dBi for	· legacy, (6.9dBi for M	IIMO							
802.11b						_					
	EU				Power Density (S)			Limit			
Freq.	Pov		Loss	Gain	at Ant	EIRP		0 cm	at 20 cm		
MHz	dBm	mW*	dB	dBi	dBm	mW		cm^2	mW/cm ²		
2412	17.7	58.9	0	3.9	17.7	144.54)29	1.000		
2437	17.7	58.9	0	3.9	17.7	144.54)29		000	
2462	16.3	42.7	0	3.9	16.3	104.71	0.021		1.000		
802.11g											
	EU	JT	Cable	Ant	Power		Power D	ensity (S)	MPE Limit		
Freq.	Pov		Loss	Gain	at Ant	EIRP		0 cm		0 cm	
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2		mW/cm^2		
2412	11.5	14.1	0	3.9	11.5	34.67	0.007		1.000		
2437	17.4	55.0	0	3.9	17.4	134.90	0.027		1.000		
2462	11.2	13.2	0	3.9	11.2	32.36	0.006		1.000		
		•	-	•							
802.11n20	EU	JT	Cable	Ant	Power		Power Density (S) MPE Limit				
Freq.	Pov		Loss	Gain	at Ant	EIRP		0 cm	at 20 cm		
MHz	dBm	mW*	dB	dBi	dBm	mW		cm^2	mW/cm^2		
2412	14.8	30.2	0	6.9	14.8	147.91	0.029		1.000		
2437	15.6	36.3	0	6.9	15.6	177.83	0.025		1.000		
2462	14.6	28.8	0	6.9	14.6	141.25)28	1.000		
302.11n40	EU	JT	Cable	Ant	Power	<u> </u>	Power D	ensity (S)	MPF	Limit	
Freq.	Pov		Loss	Gain	at Ant	EIRP	Power Density (S) at 20 cm		at 20 cm		
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2		mW/cm^2		
							0.027		1.000		
							0.027		1.000		
							0.033		1.000		
2422 2437 2452 The device	14.5 14.9 15.3 is capable	28.2 30.9 33.9 of transr	0 0 0 mitting an si	6.9 6.9 6.9	14.5 14.9 15.3 ViFi (802.11 e case single	138.04 151.36 165.96 b or 802.11g e chain WiFi	0.0 0.0 0.0) and a Bluef and BT trans	027 030 033 dooth (Basic smission.	1.0 1.0 1.0 , EDR, or BLE	000 000 000	
Band	Mode	Mode Outpu	Output Power Antenn	Antenna	EIRP		Channels	Channels	Total	EIRP	
Dallu	IVIOUE	Peak	Average	gain (Max)	dBm	W	Available	Used	W	dBm	
2400 -	CCK	-	17.7	3.9	21.6	0.145	11	1	0.145	21.60	
2483.5 2400-	BT BLE		2.7	3.9	6.6	0.005	79	1	0.005	6.60	
2/83 5	DIDLE	l -	۷.۱	ა.უ	0.0	0.005	13		0.005	0.00	

Totals:

2

0.149

21.74

2483.5