Elliott
An *NTS* company

Client:	Hewlett Packard (Broadcom)	Job Number:	J73297
Model:	SDGOB-0891	T-Log Number:	T73333
		Account Manager:	Dean Eriksen
Contact:	Juan Martinez		
Emissions Standard(s):	FCC 15.247, RSS-210	Class:	-
Immunity Standard(s):	-	Environment:	-

EMC Test Data

For The

Hewlett Packard (Broadcom)

Model

SDGOB-0891

Date of Last Test: 11/19/2008

Client:	Hewlett Packard (Broadcom)	Job Number:	J73297
Model:	SDGOB-0891	T-Log Number:	T73333
		Account Manager:	Dean Eriksen
Contact:	Juan Martinez		
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: 10/31/2008
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)	0.0002

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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Standard:	FCC 15.247, RSS-210	Class:	N/A

Use: General
Antenna: Integral Antenna, 0.48 dBi

8PSK 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
2402	-0.6	0.9	0	0.48	-0.6	0.97	0.0002	1.000
2441	-0.5	0.9	0	0.48	-0.5	1.00	0.0002	1.000
2480	-0.8	0.8	0	0.48	-0.8	0.93	0.0002	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
2402	0.0002	1.000	0.3cm
2441	0.0002	1.000	0.3cm
2480	0.0002	1.000	0.3cm

GFSK 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
2402	-2.2	0.6	0	0.48	-2.2	0.67	0.0001	1.000
2441	-2.2	0.6	0	0.48	-2.2	0.67	0.0001	1.000
2480	-2.5	0.6	0	0.48	-2.5	0.63	0.0001	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
2402	0.0001	1.000	0.2cm
2441	0.0001	1.000	0.2cm
2480	0.0001	1.000	0.2cm