Client:	Summit Data Communications	Job Number:	J68959
Model:	SDC-CF10AG 802.11a/g Compact Flash Module with Antenna Connectors	T-Log Number:	T69413
		Account Manager:	Dean Eriksen
Contact:	Ron Seide		
Standard:	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: 2/1/2008
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 (S) in W/m^2	1.23

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.

Elliott

EMC Test Data

Client:	Summit Data Communications	Job Number:	J68959
Model:	SDC-CF10AG 802.11a/g Compact Flash Module with Antenna Connectors	T-Log Number:	T69413
		Account Manager:	Dean Eriksen
Contact:	Ron Seide		
Standard:	15.247 / 15.E / RSS-210	Class:	N/A

Use: General
Antenna: 3.8 dBi

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	24.1	257.0	0	3.8	24.1	616.60	0.123	1.000
2437	23.8	239.9	0	3.8	23.8	575.44	0.114	1.000
2462	23.4	218.8	0	3.8	23.4	524.81	0.104	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	0.123	1.000	7.0cm
2437	0.114	1.000	6.8cm
2462	0.104	1.000	6.5cm

Use: General
Antenna: 5 dBi

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
5745	15.6	36.3	0	5	15.6	114.82	0.023	1.000
5785	14.6	28.8	0	5	14.6	91.20	0.018	1.000
5805	15.3	33.9	0	5	15.3	107.15	0.021	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
5745	0.023	1.000	3.0cm
5785	0.018	1.000	2.7cm
5805	0.021	1.000	2.9cm