



## 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
Contact:	Ron Seide	Account Manager:	Dean Eriksen
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 $W/m^2$	0.16

#### 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: 5.1 dBi

Freq. MHz	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Power Density (S) at 20 cm	MPE Limit at 20 cm
	dBm	mW*	dB	dBi	dBm	mW	mW/cm <sup>2</sup>	mW/cm <sup>2</sup>
5180	13.2	20.9	0	5.1	13.2	67.61	0.013	1.000
5200	13.9	24.5	0	5.1	13.9	79.43	0.016	1.000
5240	13.6	22.9	0	5.1	13.6	74.13	0.015	1.000

For the cases where S > the MPE Limit

Freq. MHz	S @ 20 cm mW/cm <sup>2</sup>	MPE Limit mW/cm <sup>2</sup>	Distance where S <= MPE Limit
5180	0.013	1.000	2.3cm
5200	0.016	1.000	2.5cm
5240	0.015	1.000	2.4cm