Elliott
An NTS company

EMC Test Data

Client:	Summit Data Communications	Job Number:	J77268
Model:	SDC-MSD30AG	T-Log Number:	T77319
		Account Manager:	Christine Krebill
Contact:	Jerry Pohmurski		
Standard:	FCC 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: 3/1/2010

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, S in mW/cm^2	0.011

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: 6.5 dBi, used for worse case calculations

USE THIS FOR 1.5-15 GHz single transmitters

Freq. MHz	EUT Power		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
	dBm	mW*						
5180	10.8	12.0	0	6.5	10.8	53.70	0.011	1.000
5200	10.3	10.8	0	6.5	10.3	48.08	0.010	1.000
5240	10.6	11.5	0	6.5	10.6	51.29	0.010	1.000
5260	10.3	10.7	0	6.5	10.3	47.86	0.010	1.000
5300	10.0	9.9	0	6.5	10.0	44.16	0.009	1.000
5320	9.1	8.1	0	6.5	9.1	36.31	0.007	1.000
5500	10.5	11.2	0	6.5	10.5	50.12	0.010	1.000
5600	9.9	9.8	0	6.5	9.9	43.65	0.009	1.000
5700	10.5	11.2	0	6.5	10.5	50.12	0.010	1.000