

Client: Meru Networks	Job Number: J69452
Model: RS 4000	T-Log Number: T69548
	Account Manager: Richard Gencev
Contact: John Dorsey	
Standard: FCC Part 15.247/RSS-210	Class: N/A

Maximum Permissible Exposure

Test Specific Details

Objective: Evaluate the RF Exposure requirements per FCC 1.1310, 2.1091 and RSS-102.

Date of Test: 11/2/2007

Test Engineer: Mark Hill

General Test Configuration

Calculation performed based on measured output power and antenna gain and S (Power Density) = (Power x Gain)/(4 x PI x d²).

Summary of Results

Device complies with Power Density requirements at 20cm separation:	Yes
If not, required separation distance (in cm):	N/A

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.



EMC Test Data

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Use: General
 Antenna: 7 dBi

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*						
5260	9.9	9.8	0	7	9.9	49.32	0.010	1.000
5300	11.6	14.5	0	7	11.6	72.44	0.014	1.000
5320	11.5	14.2	0	7	11.5	71.12	0.014	1.000
5500	11.9	15.4	0	7	11.9	77.09	0.015	1.000
5600	12.4	17.4	0	7	12.4	87.10	0.017	1.000
5700	12.0	15.8	0	7	12.0	79.07	0.016	1.000

For the cases where S > the MPE Limit

Freq. MHz	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²	Distance where S <= MPE Limit cm
5260	0.010	1.000	2.0
5300	0.014	1.000	2.4
5320	0.014	1.000	2.4
5500	0.015	1.000	2.5
5600	0.017	1.000	2.6
5700	0.016	1.000	2.5



EMC Test Data

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Use: General
 Antenna: 5.5dBi

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*						
5260	9.9	9.8	0	5.5	9.9	34.91	0.007	1.000
5300	11.6	14.5	0	5.5	11.6	51.29	0.010	1.000
5320	11.5	14.2	0	5.5	11.5	50.35	0.010	1.000
5500	11.9	15.4	0	5.5	11.9	54.58	0.011	1.000
5600	12.4	17.4	0	5.5	12.4	61.66	0.012	1.000
5700	12.0	15.8	0	5.5	12.0	55.98	0.011	1.000

For the cases where S > the MPE Limit

Freq. MHz	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²	Distance where S <= MPE Limit cm
5260	0.007	1.000	1.7
5300	0.010	1.000	2.0
5320	0.010	1.000	2.0
5500	0.011	1.000	2.1
5600	0.012	1.000	2.2
5700	0.011	1.000	2.1