



EMC Test Data

Client: Xirrus	Job Number: J86948
Model: XR1000 Outdoor (3x3 radio modules)	T-Log Number: T86967
	Account Manager: Michelle Kim
Contact: Steve Smith	
Standard: FCC 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: 10/26/2012

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:	No
If not, required separation distance (in cm):	23.2

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

Client: Xirrus	Job Number: J86948
Model: XR1000 Outdoor (3x3 radio modules)	T-Log Number: T86967
	Account Manager: Michelle Kim
Contact: Steve Smith	
Standard: FCC 15.247, 15.E, RSS-210	Class: N/A

Use: General
 Antenna: 2.4GHz - 9dBi per chain (13.8dBi effective)
 5GHz - 6dBi per chain (10.8dBi effective)

Note: Operation limited to one radio operating in the 2.4GHz band and one in a 5GHz band

Used for Multiple Transmitters

Band	Mode	Output Power		Antenna gain (Max)	EIRP		Channels Available	Channels Used	Total EIRP	
		Peak	Average		dBm	W			W	dBm
2400 - 2483.5	OFDM	21.9	-	13.8	35.7	3.715	11	1	3.715	35.70
2401 - 2483.5	CCK	-	19.1	13.8	32.9	1.950				
5250 - 5350	OFDM		17.1	10.8	27.9	0.617	4		0.000	#NUM!
5470 - 5725	OFDM		16.4	10.8	27.2	0.525	4		0.000	#NUM!
5725 - 5850	OFDM	24.0	-	10.8	34.8	3.020	5	1	3.020	34.80
Totals:								2	6.735	38.28

EIRP mW	Power Density (S) at 20 cm mW/cm ²	MPE Limit at 20 cm mW/cm ²
6735.30	1.340	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
-	1.340	1.000	23.2cm