

Client:	MicroStrain, Inc.	Job Number:	J87865
Model:	Link Transceiver Module	T-Log Number:	T88104
Contact:	Matt Bissonnette	Account Manager:	Christine Krebill
Standard:	FCC 15.247, RSS-210	Class:	-

Maximum Permissible Exposure

Test Specific Details

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

Date of Test: 7/10/2012

Test Engineer: David Bare

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
If not, required separation distance (in cm):	-

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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Standard:	FCC 15.247, RSS-210	Class:	-

Use: General

Antenna: Dipole

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
2405	11.5	14.0	0	3	11.5	27.93	0.006	1.000
2440	11.6	14.5	0	3	11.6	28.84	0.006	1.000
2475	11.4	13.7	0	3	11.4	27.29	0.005	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
2405	0.006	1.000	1.5cm
2440	0.006	1.000	1.5cm
2475	0.005	1.000	1.5cm