

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.

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Use: General  
 Antenna: Dipole

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>
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 <sup>2</sup>	MPE Limit mW/cm <sup>2</sup>	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