



EMC Test Data

Client:	TrackNet, Inc.	Job Number:	PR073580
Model:	Industrial Tracker	T-Log Number:	PR073580-T
		Project Manager:	Deepa Shetty
Contact:	Joe Knapp	Project Coordinator:	-
Standard:	FCC 15.247, RSS-247	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: 3/19/2018

Test Engineer: Deniz Demirci
Fremont EMC Lab #4A

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 20 cm separation:	Yes
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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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		Class:	N/A

FCC MPE Calculation

Use: General
 Antenna: 0 dBi

For 300-1500 MHz single transmitters (General use)

Freq. MHz	EUT Power		Cable Loss 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*						
902	20.0	100.0	0	0	20.0	100.00	0.020	0.601
915	20.0	100.0	0	0	20.0	100.00	0.020	0.610
928	20.0	100.0	0	0	20.0	100.00	0.020	0.619

Industry Canada MPE Calculation

Use: General
 Antenna: 0 dBi

For 300-6000 MHz single transmitters (General use)

Freq. MHz	EUT Power		Cable Loss 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*						
902	20.0	100.0	0	0	20.0	100.00	0.020	0.274
915	20.0	100.0	0	0	20.0	100.00	0.020	0.277
928	20.0	100.0	0	0	20.0	100.00	0.020	0.279

- Note 1: RF power used in the calculations represents the maximum conducted peak RF power, including manufacturing tune-up tolerance.
- Note 2: Antenna gain value used in the calculation is the maximum peak antenna gain.