Client:	GE MDS LLC	Job Number:	JD103878
Model:	LN1	T-Log Number:	T103939
		Project Manager:	Christine Krebill
Contact:	Dennis McCarthy	Project Coordinator:	-
Standard:	FCC Part 90, FCC Part 15B	Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

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

Date of Test: 4/6/2017
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:	No
If not, required separation distance (in cm):	380

Deviations From The Standard

No deviations were made from the requirements of the standard.

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FCC MPE Calculation
Use: General
Antenna: 12.3 dBi Yagi

Freq. MHz	EUT Power dBm	EUT Power mW*	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
150	41.4	13803.8	0	12.3	41.4	234422.88	46.637	0.200
162	41.4	13803.8	0	12.3	41.4	234422.88	46.637	0.200
174	41.4	13803.8	0	12.3	41.4	234422.88	46.637	0.200

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
150	46.637	0.200	305
162	46.637	0.200	305
174	46.637	0.200	305

Antenna: 3 dBi Omni

Freq. MHz	EUT Power dBm	EUT Power mW*	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
150	41.4	13803.8	0	3	41.4	27542.29	5.479	0.200
162	41.4	13803.8	0	3	41.4	27542.29	5.479	0.200
174	41.4	13803.8	0	3	41.4	27542.29	5.479	0.200

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
150	5.479	0.200	105
162	5.479	0.200	105
174	5.479	0.200	105