Client:	GE MDS LLC	Job Number:	JD106230
Model:	LW700	T-Log Number:	T016375
		Project Manager:	Christine Krebill
Contact:	Dennis McCarthy	Project Coordinator:	-
Standard:	FCC Part 27, FCC Part 15	Class:	N/A

Maximum Permissible Exposure

Test Specific Details

Objective: The objective of this test session is to perform an evaluation of the EUT with respect to the specification listed above.

Date of Test: 12/6/2017

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):	85.9

Deviations From The Standard

No deviations were made from the requirements of the standard.

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FCC MPE Calculation
Use: General
Antenna: 14.3 dBd

Freq. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP W	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
	dBm	mW*						
757.5	30.2	1047.1	0	16.5	30.2	46.8	9.305	0.505
787.5	30.2	1047.1	0	16.5	30.2	46.8	9.305	0.525

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
757.5	9.305	0.505	85.9
787.5	9.305	0.525	84.2

Antenna: 7.8 dBd

Freq. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP W	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
	dBm	mW*						
757.5	30.2	1047.1	0	10	30.2	10.5	2.083	0.505
787.5	30.2	1047.1	0	10	30.2	10.5	2.083	0.525

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
757.5	2.083	0.505	40.6
787.5	2.083	0.525	39.8

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Antenna: 2.8 dBd

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP W	Power Density (S) at 20 cm mW/cm^2	MPE Limit at 20 cm mW/cm^2
757.5	30.2	1047.1	0	5	30.2	3.3	0.659	0.505
787.5	30.2	1047.1	0	5	30.2	3.3	0.659	0.525

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
757.5	0.659	0.505	22.8
787.5	0.659	0.525	22.4