Client:	GE MDS LLC	Job Number:	J95325
Model:	TD220Max	T-Log Number:	T95356
		Project Manager:	Christine Krebill
Contact:	Dennis McCarthy	Project Coordinator:	-
Standard:	FCC Parts 80, 90 and 95, RSS-119	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: 7/7/2014

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):	496.2

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

Client:	GE MDS LLC	Job Number:	J95325
Model:	TD220Max	T-Log Number:	T95356
		Project Manager:	Christine Krebill
Contact:	Dennis McCarthy	Project Coordinator:	-
Standard:	FCC Parts 80, 90 and 95, RSS-119	Class:	N/A

Use: General
Antenna: 14.9 dBi (The highest EIRP allowed for the radio at maximum power using this antenna gain)
10 dBi
6 dBi

Power Density calculated for max
Duty cycle of 50%

Freq. MHz	EUT Power dBm	EUT Power W	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
216	44.6	28.8	0	14.9	44.6	891.3	88.65	0.144
216	44.6	28.8	0	10	44.6	288.4	28.69	0.144
216	44.6	28.8	0	6	44.6	114.8	11.42	0.144
216	43.0	20.0	0	16.5	43.0	891.3	88.65	0.144

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	Ant Gain dBi
216	88.65	0.144	496.2	14.9
216	28.69	0.144	282.3	10
216	11.42	0.144	178.1	6
216	88.65	0.144	496.2	16.5