Client:	GE MDS LLC	Job Number:	J71354
Model:	TD220	T-Log Number:	T71417
		Account Manager:	Susan Pelzl
Contact:	Dennis McCarthy		
Standard:	RSS 119, FCC Part 90 and 15	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: 5/1/2008
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):	501

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.

Client:	GE MDS LLC	Job Number:	J71354
Model:	TD220	T-Log Number:	T71417
		Account Manager:	Susan Pelzl
Contact:	Dennis McCarthy		
Standard:	RSS 119, FCC Part 90 and 15	Class:	N/A

Use: General Note: 50% duty cycle source based averaging for half duplex opertion
Antenna: 16.5 dBi allows 1/2 the EIRP for calculation of MPE distances

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable 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
220	44.5	28183.8	0	16.5	44.5	629462.71	125.228	0.200
222	44.4	27542.3	0	16.5	44.4	615134.39	122.377	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
220	125.228	0.200	500.5
222	122.377	0.200	494.7

Use: General Note: 50% duty cycle source based averaging for half duplex opertion
Antenna: 10 dBi allows 1/2 the EIRP for calculation of MPE distances

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable 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
220	44.5	28183.8	0	10	44.5	140919.15	28.035	0.200
222	44.4	27542.3	0	10	44.4	137711.44	27.397	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
220	28.035	0.200	236.8
222	27.397	0.200	234.1

Client:	GE MDS LLC	Job Number:	J71354
Model:	TD220	T-Log Number:	T71417
		Account Manager:	Susan Pelzl
Contact:	Dennis McCarthy		
Standard:	RSS 119, FCC Part 90 and 15	Class:	N/A

Use: General Note: 50% duty cycle source based averaging for half duplex opertion
Antenna: 6 dBi allows 1/2 the EIRP for calculation of MPE distances

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable 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
220	44.5	28183.8	0	6	44.5	56100.92	11.161	0.200
222	44.4	27542.3	0	6	44.4	54823.91	10.907	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
220	11.161	0.200	149.4
222	10.907	0.200	147.7