Elliott

EMC Test Data

	An 2A222 company		
Client:	GE MDS LLC	Job Number:	J79098
Model:	Transpot SE0	T-Log Number:	T79794
		Account Manager:	Susan Pelzl
Contact:	Dennis McCarthy		
Standard:	FCC 15.247, RSS-210	Class:	N/A

Maximum Permissible Exposure

Test Specific Details

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

Date of Test: 1/27/2011 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/m²), 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):	22.7

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.

E	illic	ott					EM	IC Test Data
Client:	GE MDS	LLC			Job Number: J79098			
						T-Log Number:	T79794	
Model:	Transnet-	·SF9					Account Manager:	Susan Pelzl
Contact:	Dennis M	cCarthy						
Standard:	FCC 15.2	47, RSS-	-210			-	Class:	N/A
Use: Antenna: FOR 300-1!	General 12.2 dBi 500 MHz s	single tra	unsmitters					
	EU	JT	Cable	Ant	Power		Power Density (S)	MPE Limit
Freq.	Pov	ver	Loss	Gain	at Ant	EIRP	at 20 cm	at 20 cm
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2	mW/cm^2
902.2	23.7	234.4	0	12.2	23.7	3890.45	0.774	0.601
915	23.7	234.4	0	12.2	23.7	3890.45	0.774	0.610
927.0	23.5	223.9	U	12.2	23.5	3/ 15.35	0.739	0.010
For the case	For the cases where S > the MPE Limit Power Density (S) MPE at 20 cm at 20			Limit 0 cm	Distance where S <= MPE Limit]	
MHz	mW/c	cm^2	mW/	cm^2	(cm		
902.2	0.7	74	0.6	301	2	2.7		
915	0.7	74	0.6	510	2	2.5	-	
Use: Antenna: FOR 300-1!	General 9.2 dBi 500 MHz s	single tra	insmitters					
F	EU Deu	Л	Cable	Ant	Power		Power Density (S)	MPE Limit
Freq.	HOW dBm	ver ~\\/*		Gain JDi	at Ant		at 20 cm	at 20 cm
	26.7	467.7		0.2	26.7	3890.45	∩ 774	0.601
915	26.7	467.7	0	9.2	26.7	3890.45	0.774	0.610
927.6	26.5	446.7	Ŏ	9.2	26.5	3715.35	0.739	0.618
For the case Freq. MHz 902.2 915	Sees where S > the MPE LimitDistance wherePower Density (S)MPE LimitDistance whereat 20 cmat 20 cmS <= MPE Limit							
927.6	0.7	39	0.6	318	21.9		1	

Elliott

EMC Test Data

	An Dille Company		
Client:	GE MDS LLC	Job Number:	J79098
Model: Transport SEQ		T-Log Number:	T79794
Model:		Account Manager:	Susan Pelzl
Contact:	Dennis McCarthy		
Standard:	FCC 15.247, RSS-210	Class:	N/A

Use: General

Antenna: 6 dBi

FOR 300-1500 MHz single transmitters

	EU	IT	Cable	Ant	Power		Power Density (S)	MPE Limit
Freq.	Pov	ver	Loss	Gain	at Ant	EIRP	at 20 cm	at 20 cm
MHz	dBm	mW*	dB	dBi	dBm	mW	mW/cm^2	mW/cm^2
902.2	29.7	933.3	0	6	29.7	3715.35	0.739	0.601
915	29.7	933.3	0	6	29.7	3715.35	0.739	0.610
927.6	29.6	912.0	0	6	29.6	3630.78	0.722	0.618

For the cases where S > the MPE Limit

Frog	Power Density (S)	MPE Limit	Distance where
MHz	mW/cm^2	mW/cm ²	cm
902.2	0.739	0.601	22.2
915	0.739	0.610	22.0
927.6	0.722	0.618	21.6