



EMC Test Data

Client:	GE MDS LLC	Job Number:	J93834
Model:	Radio Card SDM9	T-Log Number:	T93925
Contact:	Dennis McCarthy	Project Manager:	Christine Krebill
Standard:	FCC Parts 24 and 101, RSS-119	Project Coordinator:	Irene Rademacher
		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: January 24, 2014

Test Engineer: Deniz Demirci

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):	104

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.



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Use: General
Antenna: 9.15

FOR 300-1500 MHz single transmitters

Freq. MHz	EUT Power		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
928	40.1	10232.9	0	9.15	40.1	84139.51	16.739	0.619
941	40.1	10232.9	0	9.15	40.1	84139.51	16.739	0.627
960	40.1	10232.9	0	9.15	40.1	84139.51	16.739	0.640

Note: The cable loss as 0 dB used in the calculation in order to get highest power density result.
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
928	16.739	0.619	104.0
941	16.739	0.627	103.3
960	16.739	0.640	102.3