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|--|------------------------------|
| Client: GE MDS LLC | Job Number: J75790 |
| Model: SD9 | T-Log Number: T75896 |
| | Account Manager: Susan Pelzl |
| Contact: Dennis McCarthy | |
| Standard: FCC Part 101, RSS-119, FCC Part 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: 6/26/2009

Test Engineer: Mehran Birgani

Radio Lab

13.8VDC

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 |
| Required separation distance for 5dBi ant. (in m): | 0.46 |
| Required separation distance for 10dBi ant. (in m): | 0.82 |
| Required separation distance for 16.5dBi ant. (in m): | 1.74 |

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

| Freq. MHz | EUT Power | | 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 |
|-----------|-----------|--------|---------------|--------------|------------------|----------|---|---------------------------------------|
| | dBm | mW* | | | | | | |
| 928 | 37.2 | 5248.1 | 0 | 5 | 37.2 | 16595.87 | 3.302 | 0.619 |
| 944 | 37.3 | 5370.3 | 0 | 5 | 37.3 | 16982.44 | 3.379 | 0.629 |
| 960 | 36.6 | 4570.9 | 0 | 5 | 36.6 | 14454.40 | 2.876 | 0.640 |

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 | 3.302 | 0.619 | 46.2 |
| 944 | 3.379 | 0.629 | 46.3 |
| 960 | 2.876 | 0.640 | 42.4 |

| Freq. MHz | EUT Power | | 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 |
|-----------|-----------|--------|---------------|--------------|------------------|----------|---|---------------------------------------|
| | dBm | mW* | | | | | | |
| 928 | 37.2 | 5248.1 | 0 | 10 | 37.2 | 52480.75 | 10.441 | 0.619 |
| 944 | 37.3 | 5370.3 | 0 | 10 | 37.3 | 53703.18 | 10.684 | 0.629 |
| 960 | 36.6 | 4570.9 | 0 | 10 | 36.6 | 45708.82 | 9.093 | 0.640 |

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 | 10.441 | 0.619 | 82.2 |
| 944 | 10.684 | 0.629 | 82.4 |
| 960 | 9.093 | 0.640 | 75.4 |

| Freq. MHz | EUT Power | | 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 |
|-----------|-----------|--------|---------------|--------------|------------------|-----------|---|---------------------------------------|
| | dBm | mW* | | | | | | |
| 928 | 37.2 | 5248.1 | 0 | 16.5 | 37.2 | 234422.88 | 46.637 | 0.619 |
| 944 | 37.3 | 5370.3 | 0 | 16.5 | 37.3 | 239883.29 | 47.723 | 0.629 |
| 960 | 36.6 | 4570.9 | 0 | 16.5 | 36.6 | 204173.79 | 40.619 | 0.640 |

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 | 46.637 | 0.619 | 173.6 |
| 944 | 47.723 | 0.629 | 174.2 |
| 960 | 40.619 | 0.640 | 159.3 |