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|  <b>MOTOROLA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <br><b>ACCREDITED</b><br>Certificate Number: 1449-01       |
| <b>FCC ID: AZ492FT5850</b><br><b>DECLARATION OF COMPLIANCE MPE ASSESSMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                               |
| <b>Government &amp; Enterprise Mobility Solutions</b><br><b>EME Test Laboratory</b><br><b>8000 West Sunrise Blvd</b><br><b>Fort Lauderdale, FL. 33322</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Date of Report:</b> February 24, 2006<br><b>Report Revision:</b> Rev. O<br><b>Report ID:</b> FCC MPE rpt_HPDI000 7/800 Rev O_060224_SR3393 |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>Responsible Engineer:</b> Stephen Whalen (SR Staff EME Eng.)</p> <p><b>Date/s Tested:</b> 2/18/2006</p> <p><b>Manufacturer/Location:</b> Motorola / Plantation</p> <p><b>Date submitted for test:</b> 01/13/2006</p> <p><b>DUT Description:</b> High Performance Data in 25 kHz Channel in 7/800MHz, APCO 764-806MHz 33W, 806-870MHz 38.5W mode, HPD 794-824MHz nominal 10W pulse average.</p> <p><b>Test TX mode(s):</b> APCO mode CW, HPD mode 70% duty cycle</p> <p><b>Max. Power output:</b> APCO 764-806MHz 36W, 806-870MHz 42W, 50% Duty Cycle<br/>HPD 794-824MHz maximum 12W pulse average, 70% Duty Cycle</p> <p><b>TX Frequency Bands:</b> APCO 764-776MHz, 794-824MHz, 851-870MHz<br/>HPD 794-824MHz</p> <p><b>Signaling type:</b> FM, APCO 25, HPD (SAM 25)</p> <p><b>Model(s) Tested:</b> M26UGA9PW1AN</p> <p><b>Model(s) Certified:</b> M26UGA9PW1AN</p> <p><b>Serial Number(s):</b> P7F5</p> <p><b>Classification:</b> Occupational Controlled (Operator); General Population/Uncontrolled (Passengers/Bystanders)</p> <p><b>Rule Part(s):</b> 2.1091 (d)</p> <p><b>Approved Accessories:</b></p> <p><b>Antenna(s):</b> HAF4016A (764-870MHz ¼ wave roof mount antenna; 0dBd gain), HAF4014A (764-870MHz ¼ wave roof mount antenna; 3.0dBd gain)<br/>HAF4013A (764-870MHz ¼ wave roof mount antenna; 3.0dBd gain), HAF4017A (764-870MHz ¼ wave roof mount antenna; 3.0dBd gain)<br/>RRA4914B (806-900MHz ¼ wave roof mount antenna; 3.0dBd gain), HAF4002A (806-900MHz ¼ wave roof mount antenna; 0.0dBd gain)</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> <div style="text-align: center; margin-top: 20px;"> <b>Final RF Exposure Results:</b><br/> <b>Max Calculated Power Density: 0.14mW/cm^2</b> </div> |                                                                                                                                               |
| Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola EME Laboratory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                               |
| <div style="text-align: center;"> <b>Signature on file</b><br/>         Ken Enger GEMS EME Lab Senior Resource Manager,<br/>         Laboratory Director,<br/> <br/> <b>Approval Date: 2/24/2006</b> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <div style="text-align: center;"> <b>Certification Date: L1060289</b><br/> <br/> <b>Certification No.: 2/24/2006</b> </div>                   |

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## REVISION HISTORY

| Date     | Revision | Comments         |
|----------|----------|------------------|
| 02/24/06 | O        | Original release |

## 1.0 Product and System Description

FCC ID: AZ492FT5850, model M26UGA9PW1AN is a High Performance Data (HPD) transceiver that utilizes two data modes in the 7/800MHz band. The APCO 25 mode is continuous carrier frequency modulation (C4FM) and HPD or SAM25 mode operates with adjustable 4, 16 and 64QAM. Both the APCO and HPD modes use channel spacing of 12.5 and 25kHz and supports data transmission rates of 32 kbps, 64 kbps or 96 kbps in Half/ simplex and Full Duplex operation. There is no voice operation. The maximum duty cycle is 50% for APCO which is based on simplex hand-shaking operation between the user and base station. The maximum duty cycle is 70% for HPD which is controlled by the software. Two antennas are used, one for transmit and one for receive with the device properly installed in a vehicle trunk. The transmit antenna is to be mounted on the center of the roof with the receive antenna at a specified distance from the transmit antenna and typically installed on the trunk.

The APCO mode transmits in 764-776MHz and 794-806MHz at 33W nominal power and 806-824MHz and 851-870MHz at 38.5W nominal power. The HPD transmits in 794-824MHz at nominal 10 Watts pulse average power.

This device will be marketed to and used by employees solely for work-related operations, such as public safety agencies, e.g. police, fire and emergency medical. User training is the responsibility of these agencies which can be expected to employ the usage instructions, safety information and operational cautions set forth in the user's manual, instructional sessions or other means.

Accordingly this product is classified as Occupational/Controlled Exposure. However, In accordance with FCC requirements, the passengers inside the vehicle and the bystanders external to the vehicle are evaluated to the General Population/Uncontrolled Exposure Limits.

(Note that "By-standers" as used herein mean people other than operator)

## 2.0 Additional Options and Accessories:

NA

## 3.0 Measurement and Limit Standards

Measurements were performed according to the recommended guidelines in IEEE/ANSI C95.3-2002 and compared to FCC Limits Per 47 CFR 2.1091 (d) for General Population/Uncontrolled RF Exposure.

For test frequencies ranging from 764-870MHz the MPE (Maximum Permissible Exposure) limit to electromagnetic energy in equivalent plane wave free-space power density is  $0.51 - 0.58 \text{ mW/cm}^2$  and calculated using the formula  $f/1500$ .

#### 4.0 Data Collection Consideration

Power density testing was performed with DUT installed in a 1991 Ford Taurus (4-door). Measurement data was taken with the vehicle running at idle and the vehicle battery measuring 14.0 volts.

#### 5.0 Measurement System Uncertainty Levels

The information below presents an estimate of the possible errors that are associated with the measurement system.

Uncertainty Budget for Near Field Probe Measurements

|                                      | Tol.<br>(± %) | Prob.<br>Dist. | Divisor | $u_i$<br>(±%) |
|--------------------------------------|---------------|----------------|---------|---------------|
| <b>Measurement System</b>            |               |                |         |               |
| Survey Meter Calibration             | 3.0           | N              | 1.00    | 3.0           |
| Repeatability Accuracy               | 7.0           | N              | 1.00    | 7.0           |
| <b>Combined Standard Uncertainty</b> |               | RSS            |         | 7.6           |
| <b>Expanded Uncertainty</b>          |               | $k=2$          |         | 15            |

#### 6.0 Method of Measurement

##### 6.1 EME measurements made with roof mounted antenna(s)

(For reference, see Illustration of antenna location and test distances in appendix A).

##### 6.1.1 External vehicle EME measurement

(Antenna mounted at roof center)

MPE measurements for by-stander conditions are determined by taking the average of (10) measurements in a 2m vertical line for each of the (5) test positions indicated in appendix A with 20cm increments at the test distances (APCO 60cm and HPD 30cm) from the transmit antenna. The measurement probe sensor is rotated 180° at each of the ten incremental measurements to ensure the highest result is captured. These measurements are representative of persons other than the operator standing next to the vehicle.

**Note:** Actual test distance was 110cm (60cm from antenna to roof edge; 30cm from roof edge to edge of car door; 20cm vertical test line to car door); this is the closest distance that can be achieved to an antenna mounted to the center of the vehicle used for MPE compliance assessment.

### 6.1.2 Internal vehicle EME measurement (Antenna mounted at roof center)

While rotating survey meter probe through 180 degrees to ensure that the highest level is found, scans were performed inside of the vehicle, both at the front and back seating areas, across the TX band to ascertain the highest level in each location. After the highest level is found, two (2) additional measurements were performed vertically within an area approximately 40cm wide (representing the width of a person) so as to have a total of three (3) measured points as indicated below that are averaged.

- a) Head area
- b) Chest area
- c) Lower Trunk area

## 7.0 Test Site

The test site is the Motorola open area test site located at 8000 W. Sunrise Blvd., Plantation, FL. 33322.

## 8.0 Measurement System/Equipment

| Equipment Type                   | Model #                  | SN    | Calibration Due Date |
|----------------------------------|--------------------------|-------|----------------------|
| Automobile                       | 1991 Ford Taurus, 4-Door |       |                      |
|                                  |                          |       |                      |
| Survey Meter                     | NARDA Model 8718         | 01108 | 5/17/06              |
|                                  |                          |       |                      |
| Probe - E-Field (Electric Field) | NARDA Model 8722B        | 12023 | 2/25/06              |
|                                  |                          |       |                      |

## 9.0 Test Unit Description

Power density measurements were performed on M26UGA9PW1AN with serial number P7F5. The tested frequencies and associated power outputs are presented below.

| APCO            |        | HPD             |        |
|-----------------|--------|-----------------|--------|
| Frequency (MHz) | Po (W) | Frequency (MHz) | Po (W) |
| 764.0875        | 35.5   | 794.0875        | 11.6   |
| 770.0000        | 35.6   | 809.0000        | 11.2   |
| 775.9125        | 35.6   | 823.9875        | 11.7   |
| 794.0875        | 35.8   |                 |        |
| 809.0000        | 41.3   |                 |        |
| 823.9875        | 41.8   |                 |        |
| 851.0125        | 41.9   |                 |        |
| 860.5000        | 41.8   |                 |        |
| 869.9875        | 41.9   |                 |        |

## 10.0 Test Set-Up Description

The following are the mobile antenna test configurations used for this product.  
(for reference, see Illustration of antenna location and test distances in the appendix A)

a) The ¼ wave 0dBd gain antennas (HAF4016A and HAF4002A) and ¼ wave 3.0dBd gain antennas (HAF4014A, HAF4013A, HAF4017A and RRA4914B) were assessed while mounted at the center of the roof of the test vehicle.

Assessments were made internal and external to the test vehicle at the specified distances and test locations indicated in sections 6.0, 11.0, and appendix A.

## 11.0 Test Results Summary

Appendix D presents detailed MPE measurement information for each test configuration; person external or internal to the vehicle, TX frequency, antenna (location, model and gain), distance from antenna to probe sensor, E field measurements, calibration factor, MPE average over body, initial power, power density calc, power density max calc, IEEE/FCC controlled and uncontrolled limits, and maximum output power.

The Average over Body test methodology is consistent with IEEE/ANSI C95.3-2002 guidelines.

APCO mode was tested in CW and final MPE results include 50% duty cycle while the HPD mode was tested in its native 70% duty cycle.

External to vehicle - 10 measurements are averaged over the body (*Body\_Avg*).

Internal to vehicle - 3 measurements are averaged over the body (*Body\_Avg*).

Narda Survey Meter measures in percent of the controlled limit. Therefore the averages over the body used in the calculations below reflect percentages.

Therefore;

$$Average\_over\_Body = Body\_Avg * Controlled\_Limit$$

$$Pwr\_Density\_Calc = Average\_over\_Body * Duty\_Cycle$$

$$Pwr\_Density\_Max\_Calc = Pwr\_Density\_Calc * \frac{Max\_Output\_Power}{Initial\_Output\_Power}$$

Note; For  $Initial\ Output\ Power > Max\_Output\_Power$ ,  $Max\_Output\_Power / Initial\ Output\ Power = 1$

Tables 1 & 2 below summarize the MPE results of the E field test configurations for the M26UGA9PW1AN mobile radio. See appendices A and D respectively for test positions and detailed MPE measurement data.

**Table 1 - APCO Data**

| Tables      | Antenna Model | Antenna Location | Test Frequency (MHz) | E/H Field | Passenger / By-stander | Max Calc Pwr Density (mW/cm <sup>2</sup> ) | % of Uncontrolled Limit |
|-------------|---------------|------------------|----------------------|-----------|------------------------|--------------------------------------------|-------------------------|
| <b>Roof</b> |               |                  |                      |           |                        |                                            |                         |
| 1           | HAF4016A      | Roof             | 764.0875             | E         | By-stander             | 0.10                                       | 19.6                    |
| 2           | HAF4016A      | Roof             | 764.0875             | E         | Passenger              | 0.04                                       | 7.8                     |
| 3           | HAF4016A      | Roof             | 770.0000             | E         | By-stander             | 0.09                                       | 17.5                    |
| 4           | HAF4016A      | Roof             | 770.0000             | E         | Passenger              | 0.04                                       | 7.7                     |
| 5           | HAF4016A      | Roof             | 775.9125             | E         | By-stander             | 0.10                                       | 19.3                    |
| 6           | HAF4016A      | Roof             | 775.9125             | E         | Passenger              | 0.04                                       | 7.7                     |
| 7           | HAF4016A      | Roof             | 794.0875             | E         | By-stander             | 0.09                                       | 17.0                    |
| 8           | HAF4016A      | Roof             | 794.0875             | E         | Passenger              | 0.03                                       | 5.7                     |
| 9           | HAF4016A      | Roof             | 809.0000             | E         | By-stander             | 0.11                                       | 20.4                    |
| 10          | HAF4016A      | Roof             | 809.0000             | E         | Passenger              | 0.04                                       | 7.4                     |
| 11          | HAF4016A      | Roof             | 823.9875             | E         | By-stander             | 0.09                                       | 16.4                    |
| 12          | HAF4016A      | Roof             | 823.9875             | E         | Passenger              | 0.04                                       | 7.3                     |
| 13          | HAF4016A      | Roof             | 851.0125             | E         | By-stander             | 0.09                                       | 15.9                    |
| 14          | HAF4016A      | Roof             | 851.0125             | E         | Passenger              | 0.02                                       | 3.5                     |
| 15          | HAF4016A      | Roof             | 860.5000             | E         | By-stander             | 0.08                                       | 13.9                    |
| 16          | HAF4016A      | Roof             | 860.5000             | E         | Passenger              | 0.02                                       | 3.5                     |
| 17          | HAF4016A      | Roof             | 869.9875             | E         | By-stander             | 0.09                                       | 15.5                    |
| 18          | HAF4016A      | Roof             | 869.9875             | E         | Passenger              | 0.02                                       | 3.4                     |
| 19          | HAF4014A      | Roof             | 764.0875             | E         | By-stander             | 0.12                                       | 23.6                    |
| 20          | HAF4014A      | Roof             | 764.0875             | E         | By-stander             | 0.06                                       | 11.8                    |
| 21          | HAF4014A      | Roof             | 770.0000             | E         | By-stander             | 0.11                                       | 21.4                    |
| 22          | HAF4014A      | Roof             | 770.0000             | E         | Passenger              | 0.07                                       | 13.6                    |
| 23          | HAF4014A      | Roof             | 775.9125             | E         | By-stander             | 0.12                                       | 23.2                    |
| 24          | HAF4014A      | Roof             | 775.9125             | E         | Passenger              | 0.08                                       | 15.5                    |
| 25          | HAF4014A      | Roof             | 794.0875             | E         | By-stander             | 0.12                                       | 22.7                    |
| 26          | HAF4014A      | Roof             | 794.0875             | E         | Passenger              | 0.05                                       | 9.4                     |
| 27          | HAF4014A      | Roof             | 809.0000             | E         | By-stander             | 0.14                                       | 26.0                    |
| 28          | HAF4014A      | Roof             | 809.0000             | E         | Passenger              | 0.07                                       | 13.0                    |
| 29          | HAF4014A      | Roof             | 823.9875             | E         | By-stander             | 0.12                                       | 21.8                    |
| 30          | HAF4014A      | Roof             | 823.9875             | E         | Passenger              | 0.06                                       | 10.9                    |

Table 1 Continued- APCO Data

| Tables | Antenna Model | Antenna Location | Test Frequency (MHz) | E/H Field | Passenger / By-stander | Max Calc Pwr Density (mW/cm <sup>2</sup> ) | % of Uncontrolled Limit |
|--------|---------------|------------------|----------------------|-----------|------------------------|--------------------------------------------|-------------------------|
| Roof   |               |                  |                      |           |                        |                                            |                         |
| 31     | HAF4014A      | Roof             | 851.0125             | E         | By-stander             | 0.10                                       | 17.6                    |
| 32     | HAF4014A      | Roof             | 851.0125             | E         | Passenger              | 0.02                                       | 3.5                     |
| 33     | HAF4014A      | Roof             | 860.5000             | E         | By-stander             | 0.09                                       | 15.7                    |
| 34     | HAF4014A      | Roof             | 860.5000             | E         | Passenger              | 0.02                                       | 3.5                     |
| 35     | HAF4014A      | Roof             | 869.9875             | E         | By-stander             | 0.08                                       | 13.8                    |
| 36     | HAF4014A      | Roof             | 869.9875             | E         | Passenger              | 0.03                                       | 5.2                     |
| 37     | HAF4013A      | Roof             | 764.0875             | E         | By-stander             | 0.08                                       | 15.7                    |
| 38     | HAF4013A      | Roof             | 764.0875             | E         | Passenger              | 0.03                                       | 5.9                     |
| 39     | HAF4013A      | Roof             | 770.0000             | E         | By-stander             | 0.09                                       | 17.5                    |
| 40     | HAF4013A      | Roof             | 770.0000             | E         | Passenger              | 0.04                                       | 7.8                     |
| 41     | HAF4013A      | Roof             | 775.9125             | E         | By-stander             | 0.08                                       | 15.5                    |
| 42     | HAF4013A      | Roof             | 775.9125             | E         | Passenger              | 0.04                                       | 7.7                     |
| 43     | HAF4013A      | Roof             | 794.0875             | E         | By-stander             | 0.08                                       | 15.1                    |
| 44     | HAF4013A      | Roof             | 794.0875             | E         | Passenger              | 0.04                                       | 7.6                     |
| 45     | HAF4013A      | Roof             | 809.0000             | E         | By-stander             | 0.10                                       | 18.5                    |
| 46     | HAF4013A      | Roof             | 809.0000             | E         | Passenger              | 0.04                                       | 7.4                     |
| 47     | HAF4013A      | Roof             | 823.9875             | E         | By-stander             | 0.09                                       | 16.4                    |
| 48     | HAF4013A      | Roof             | 823.9875             | E         | Passenger              | 0.03                                       | 5.5                     |
| 49     | HAF4013A      | Roof             | 851.0125             | E         | By-stander             | 0.08                                       | 14.1                    |
| 50     | HAF4013A      | Roof             | 851.0125             | E         | Passenger              | 0.03                                       | 5.3                     |
| 51     | HAF4013A      | Roof             | 860.5000             | E         | By-stander             | 0.08                                       | 13.9                    |
| 52     | HAF4013A      | Roof             | 860.5000             | E         | Passenger              | 0.02                                       | 3.5                     |
| 53     | HAF4013A      | Roof             | 869.9875             | E         | By-stander             | 0.09                                       | 15.5                    |
| 54     | HAF4013A      | Roof             | 869.9875             | E         | Passenger              | 0.02                                       | 3.4                     |
| 55     | HAF4017A      | Roof             | 764.0875             | E         | By-stander             | 0.06                                       | 11.8                    |
| 56     | HAF4017A      | Roof             | 764.0875             | E         | Passenger              | 0.01                                       | 2.0                     |
| 57     | HAF4017A      | Roof             | 770.0000             | E         | By-stander             | 0.06                                       | 11.7                    |
| 58     | HAF4017A      | Roof             | 770.0000             | E         | Passenger              | 0.01                                       | 1.9                     |
| 59     | HAF4017A      | Roof             | 775.9125             | E         | By-stander             | 0.05                                       | 9.7                     |
| 60     | HAF4017A      | Roof             | 775.9125             | E         | Passenger              | 0.01                                       | 1.9                     |
| 61     | HAF4017A      | Roof             | 794.0875             | E         | By-stander             | 0.07                                       | 13.2                    |
| 62     | HAF4017A      | Roof             | 794.0875             | E         | Passenger              | 0.01                                       | 1.9                     |
| 63     | HAF4017A      | Roof             | 809.0000             | E         | By-stander             | 0.09                                       | 16.7                    |
| 64     | HAF4017A      | Roof             | 809.0000             | E         | Passenger              | 0.02                                       | 3.7                     |

Table 1 Continued- APCO Data

| Tables | Antenna Model | Antenna Location | Test Frequency (MHz) | E/H Field | Passenger / By-stander | Max Calc Pwr Density (mW/cm <sup>2</sup> ) | % of Uncontrolled Limit |
|--------|---------------|------------------|----------------------|-----------|------------------------|--------------------------------------------|-------------------------|
| Roof   |               |                  |                      |           |                        |                                            |                         |
| 65     | HAF4017A      | Roof             | 823.9875             | E         | By-stander             | 0.10                                       | 18.2                    |
| 66     | HAF4017A      | Roof             | 823.9875             | E         | Passenger              | 0.03                                       | 5.5                     |
| 67     | HAF4017A      | Roof             | 851.0125             | E         | By-stander             | 0.09                                       | 15.9                    |
| 68     | HAF4017A      | Roof             | 851.0125             | E         | Passenger              | 0.02                                       | 3.5                     |
| 69     | HAF4017A      | Roof             | 860.5000             | E         | By-stander             | 0.09                                       | 15.7                    |
| 70     | HAF4017A      | Roof             | 860.5000             | E         | Passenger              | 0.02                                       | 3.5                     |
| 71     | HAF4017A      | Roof             | 869.9875             | E         | By-stander             | 0.09                                       | 15.5                    |
| 72     | HAF4017A      | Roof             | 869.9875             | E         | Passenger              | 0.02                                       | 3.4                     |
| 73     | RRA4914B      | Roof             | 809.0000             | E         | By-stander             | 0.11                                       | 20.4                    |
| 74     | RRA4914B      | Roof             | 809.0000             | E         | Passenger              | 0.05                                       | 9.3                     |
| 75     | RRA4914B      | Roof             | 823.9875             | E         | By-stander             | 0.09                                       | 16.4                    |
| 76     | RRA4914B      | Roof             | 823.9875             | E         | Passenger              | 0.06                                       | 10.9                    |
| 77     | RRA4914B      | Roof             | 851.0125             | E         | By-stander             | 0.11                                       | 19.4                    |
| 78     | RRA4914B      | Roof             | 851.0125             | E         | Passenger              | 0.02                                       | 3.5                     |
| 79     | RRA4914B      | Roof             | 860.5000             | E         | By-stander             | 0.10                                       | 17.4                    |
| 80     | RRA4914B      | Roof             | 860.5000             | E         | Passenger              | 0.02                                       | 3.5                     |
| 81     | RRA4914B      | Roof             | 869.9875             | E         | By-stander             | 0.10                                       | 17.2                    |
| 82     | RRA4914B      | Roof             | 869.9875             | E         | Passenger              | 0.01                                       | 1.7                     |
| 83     | HAF4002A      | Roof             | 809.0000             | E         | By-stander             | 0.08                                       | 14.8                    |
| 84     | HAF4002A      | Roof             | 809.0000             | E         | Passenger              | 0.04                                       | 7.4                     |
| 85     | HAF4002A      | Roof             | 823.9875             | E         | By-stander             | 0.08                                       | 14.6                    |
| 86     | HAF4002A      | Roof             | 823.9875             | E         | Passenger              | 0.03                                       | 5.5                     |
| 87     | HAF4002A      | Roof             | 851.0125             | E         | By-stander             | 0.08                                       | 14.1                    |
| 88     | HAF4002A      | Roof             | 851.0125             | E         | Passenger              | 0.02                                       | 3.5                     |
| 89     | HAF4002A      | Roof             | 860.5000             | E         | By-stander             | 0.07                                       | 12.2                    |
| 90     | HAF4002A      | Roof             | 860.5000             | E         | Passenger              | 0.01                                       | 1.7                     |
| 91     | HAF4002A      | Roof             | 869.9875             | E         | By-stander             | 0.07                                       | 12.1                    |
| 92     | HAF4002A      | Roof             | 869.9875             | E         | Passenger              | 0.01                                       | 1.7                     |

**Table 2 - HPD Data**

| Tables      | Antenna Model | Antenna Location | Test Frequency (MHz) | E/H Field | Passenger / By-stander | Max Calc Pwr Density (mW/cm <sup>2</sup> ) | % of Uncontrolled Limit |
|-------------|---------------|------------------|----------------------|-----------|------------------------|--------------------------------------------|-------------------------|
| <b>Roof</b> |               |                  |                      |           |                        |                                            |                         |
| 93          | HAF4016A      | Roof             | 794.0875             | E         | By-stander             | 0.05                                       | 9.4                     |
| 94          | HAF4016A      | Roof             | 794.0875             | E         | Passenger              | 0.01                                       | 1.9                     |
| 95          | HAF4016A      | Roof             | 809.0000             | E         | By-stander             | 0.04                                       | 7.4                     |
| 96          | HAF4016A      | Roof             | 809.0000             | E         | Passenger              | 0.02                                       | 3.7                     |
| 97          | HAF4016A      | Roof             | 823.9875             | E         | By-stander             | 0.03                                       | 5.5                     |
| 98          | HAF4016A      | Roof             | 823.9875             | E         | Passenger              | 0.02                                       | 3.6                     |
| 99          | HAF4014A      | Roof             | 794.0875             | E         | By-stander             | 0.06                                       | 11.3                    |
| 100         | HAF4014A      | Roof             | 794.0875             | E         | Passenger              | 0.03                                       | 5.7                     |
| 101         | HAF4014A      | Roof             | 809.0000             | E         | By-stander             | 0.05                                       | 9.3                     |
| 102         | HAF4014A      | Roof             | 809.0000             | E         | Passenger              | 0.03                                       | 5.6                     |
| 103         | HAF4014A      | Roof             | 823.9875             | E         | By-stander             | 0.05                                       | 9.1                     |
| 104         | HAF4014A      | Roof             | 823.9875             | E         | Passenger              | 0.02                                       | 3.6                     |
| 105         | HAF4013A      | Roof             | 794.0875             | E         | By-stander             | 0.04                                       | 7.6                     |
| 106         | HAF4013A      | Roof             | 794.0875             | E         | Passenger              | 0.02                                       | 3.8                     |
| 107         | HAF4013A      | Roof             | 809.0000             | E         | By-stander             | 0.05                                       | 9.3                     |
| 108         | HAF4013A      | Roof             | 809.0000             | E         | Passenger              | 0.02                                       | 3.7                     |
| 109         | HAF4013A      | Roof             | 823.9875             | E         | By-stander             | 0.05                                       | 9.1                     |
| 110         | HAF4013A      | Roof             | 823.9875             | E         | Passenger              | 0.02                                       | 3.6                     |
| 111         | HAF4017A      | Roof             | 794.0875             | E         | By-stander             | 0.04                                       | 7.6                     |
| 112         | HAF4017A      | Roof             | 794.0875             | E         | Passenger              | 0.01                                       | 1.9                     |
| 113         | HAF4017A      | Roof             | 809.0000             | E         | By-stander             | 0.05                                       | 9.3                     |
| 114         | HAF4017A      | Roof             | 809.0000             | E         | Passenger              | 0.01                                       | 1.9                     |
| 115         | HAF4017A      | Roof             | 823.9875             | E         | By-stander             | 0.05                                       | 9.1                     |
| 116         | HAF4017A      | Roof             | 823.9875             | E         | Passenger              | 0.01                                       | 1.8                     |
| 117         | RRA4914B      | Roof             | 809.0000             | E         | By-stander             | 0.06                                       | 11.1                    |
| 118         | RRA4914B      | Roof             | 809.0000             | E         | Passenger              | 0.02                                       | 3.7                     |
| 119         | RRA4914B      | Roof             | 823.9875             | E         | By-stander             | 0.04                                       | 7.3                     |
| 120         | RRA4914B      | Roof             | 823.9875             | E         | Passenger              | 0.02                                       | 3.6                     |
| 121         | HAF4002A      | Roof             | 809.0000             | E         | By-stander             | 0.05                                       | 9.3                     |
| 122         | HAF4002A      | Roof             | 809.0000             | E         | Passenger              | 0.02                                       | 3.7                     |
| 123         | HAF4002A      | Roof             | 823.9875             | E         | By-stander             | 0.04                                       | 7.3                     |
| 124         | HAF4002A      | Roof             | 823.9875             | E         | Passenger              | 0.02                                       | 3.6                     |

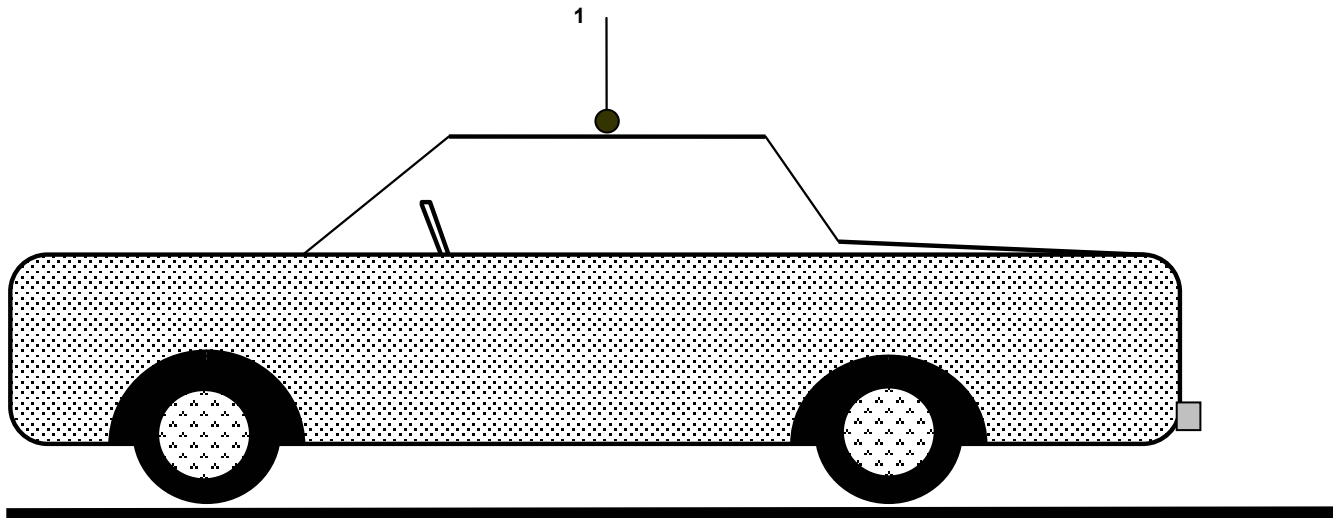
## 12.0 Conclusion

Depending on the test frequency, the M26UGA9PW1AN mobile assessments were performed with an output power range of 35.5W – 41.9W (APCO) and 11.2-12.0W pulse average (HPD). The highest power density results for the M26UGA9PW1AN mobile device scaled to the maximum allowable power output is 0.08mW/cm<sup>2</sup> internal to the vehicle and 0.14mW/cm<sup>2</sup> external to the vehicle as compared to 0.51-0.58mW/cm<sup>2</sup> limits.

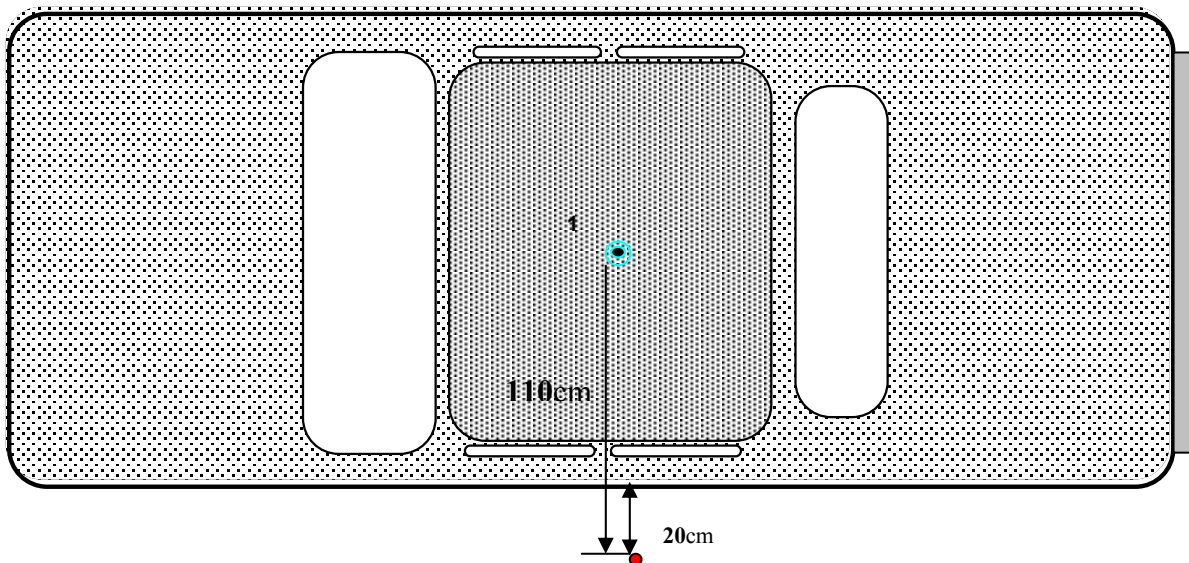
These MPE results demonstrate compliance to the FCC General Population/Uncontrolled Exposure limits.

**APPENDIX A**

**Illustration of Antenna Locations and Test Distance**



1 – Roof (center)  
Transmit antenna



Note: ● Test Location  
(By-stander)

**APPENDIX B**

**Meter/Probe Calibration Certificates**



# Certificate of Calibration

L-3 Communications, Narda Microwave-East, hereby certifies that the referenced RF Radiation Hazard monitoring equipment has been calibrated in accordance with MIL-STD-45662A, ANSI Z540, ISO 10012 and ISO 9001: 2000.

The measured values were determined by comparison with our standards, which are traceable to the National Institute of Standards and Technology to the extent allowed by NIST's calibration facilities.

Customer: MOTOROLA  
SCHAUMBURG, IL 60168-0429

Certificate #: 56219 1

Model #: 8718-10  
Description: METER W/CABLE  
Date Calibrated: 05/17/2005

Serial #: 01108  
PO #: NP1819669  
R.O. #: 56219

  
Vince Donovan  
Manager of Instruments Assembly and Test

  
John C. Stine  
Director of Quality Assurance

This certificate shall not be reproduced, except in full, without written approval from L-3 Communications, Narda Microwave-East



# Certificate of Calibration

L-3 Communications, Narda Microwave-East, hereby certifies that the referenced RF Radiation Hazard monitoring equipment has been calibrated in accordance with MIL-STD-45662A, ANSI Z540, ISO 10012 and ISO 9001:2000.

The measured values were determined by comparison with our standards, which are traceable to the National Institute of Standards and Technology to the extent allowed by NIST's calibration facilities.

Customer: MOTOROLA  
SCHAUMBURG, IL 60168-0429

Certificate #: 53821 2

Model #: 8722B

Serial #: 12023

Description: RAD MONITOR 8722B

PO #: NP1675705

Date Calibrated: 02-25-2005

R.O. #: 53821

Vince Donovan  
Manager of Instruments Assembly and Test



John C. Stine  
Director of Quality Assurance

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PRNRA 002

PRNRA 002



DATE 25-Feb-2005  
REL HUMIDITY 45%

RELEASE # R53821  
TEMP 20 DEG. C

NARDA MICROWAVE - EAST

MODEL # 8722B  
SERIAL # 12023

Recal Probe - Date of Previous Probe Data = 11/05/2003

| FREQ<br>MHZ | PRE-CAL<br>DATA | FINAL CAL<br>DATA | ELLIPSE<br>RATIO, dB | FINAL CORR.<br>FACTOR | DEVIATION<br>DELTA DB | PREVIOUS<br>FINAL CORR. |
|-------------|-----------------|-------------------|----------------------|-----------------------|-----------------------|-------------------------|
| .30         | 1.03            | 0.98              | +/- 0.32             | 1.02                  | +0.19                 | 1.02                    |
| 3.00        | 1.14            | 1.09              | +/- 0.33             | 0.92                  | -0.18                 | 0.85                    |
| 10.00       | 0.87            | 0.84              | +/- 0.25             | 1.20                  | -0.05                 | 1.14                    |
| 30.00       | 0.75            | 0.72              | +/- 0.12             | 1.39                  | -0.01                 | 1.33                    |
| 100.00      | 1.34            | 1.29              | +/- 0.20             | 0.78                  | +0.03                 | 0.75                    |
| 300.00      | 1.05            | 1.00              | +/- 0.27             | 1.00                  | -0.06                 | 0.94                    |
| 750.00      | 1.38            | 1.32              | +/- 0.24             | 0.76                  | +0.55                 | 0.83                    |
| 1000.00     | 1.45            | 1.39              | +/- 0.20             | 0.72                  | +0.48                 | 0.77                    |
| 1700.00     | 1.20            | 1.15              | +/- 0.46             | 0.87                  | +0.38                 | 0.91                    |
| 2450.00     | 1.52            | 1.42              | +/- 0.46             | 0.70                  | +0.76                 | 0.78                    |
| 4000.00     | 1.08            | 1.00              | +/- 0.34             | 1.00                  | +0.03                 | 0.94                    |
| 8200.00     | 1.14            | 1.06              | +/- 0.50             | 0.94                  | -0.10                 | 0.86                    |
| 10000.00    | 1.10            | 1.02              | +/- 0.50             | 0.98                  | -0.33                 | 0.85                    |
| 18000.00    | 1.13            | 1.05              | +/- 0.68             | 0.95                  | -0.36                 | 0.82                    |
| 26500.00    | 1.02            | 0.95              | +/- 0.86             | 1.05                  | -0.31                 | 0.91                    |
| 40000.00    | 0.76            | 0.70              | +/- 0.79             | 1.42                  | -0.16                 | 1.28                    |

LOW FREQUENCY MULTIPLIER = 0.961 HIGH FREQUENCY MULTIPLIER = 0.933

FREQ. DEV. (3-40000 MHZ) = 3.039 DB

FREQ. DEV. (0.3-40000 MHZ) = 3.04 DB

MAX. ELLIPSE RATIO (0.3-40000 MHZ) = +/- 0.86 DB

PRE-CAL DATA REFLECTS THE MEAN ELLIPSE RATIO OF PROBE AS RECEIVED BY NARDA CALIBRATION DEPARTMENT, OR IS THE INITIAL, UN-ADJUSTED RATIO.

(PRE-CAL \* OLD CORR. FACTOR) - 1 = DEVIATION FROM PREVIOUS (OLD)

CALIBRATION DATA. NOTE: NOT APPLICABLE FOR NEW PROBES.

FINAL CAL DATA IS THE RATIO OF THE DISPLAYED TO THE APPLIED FIELD STRENGTH.

FINAL CORR. FACTOR IS THE RECIPROCAL OF FINAL CAL DATA.

FINAL CORR. FACTOR MULTIPLIED BY THE DISPLAYED FIELD STRENGTH READING

GIVES THE ACTUAL ("CORRECTED") FIELD STRENGTH.

ELLIPSE RATIO IS EXPRESSED IN DB DEVIATION FROM THE MEAN DATA

RMS Uncertainty = +/- 0.5db. ATP # = 502120 REV J

TESTER V. M.

Q.A. APPROVAL \_\_\_\_\_

**APPENDIX C**

**Photos of Assessed Antennas**



**Antenna kit numbers, from left to right;  
HAF4016A, HAF4002A, HAF4013A, HAF4017A, HAF4014A and RRA4914B**

**APPENDIX D**

**Detailed MPE Measurement Data**

APCO

Table 1

| External Vehicle MPE Assessment @ 764.0875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 60                  | E           | 0.76               | 0.204                       | 35.50             | 0.102                        | 0.10                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.1%               | 6                   | 120         | 8.8%               |                             |                   | 2.55                         | 0.51                             |
| 2                                              | 40            | 0.1%               | 7                   | 140         | 10.6%              |                             |                   |                              |                                  |
| 3                                              | 60            | 0.5%               | 8                   | 160         | 20.1%              |                             |                   |                              |                                  |
| 4                                              | 80            | 1.4%               | 9                   | 180         | 22.2%              |                             |                   |                              |                                  |
| 5                                              | 100           | 2.3%               | 10                  | 200         | 13.9%              |                             |                   | RF Po (*Max)                 | 36.0                             |

Table 2

| Internal Vehicle MPE Assessment @ 764.0875 MHz |          |                         |                          |                                |                          |                                                                              |               |                   |                                          |                                              |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------------|------------------------------------------------------------------------------|---------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor       | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                          |                                |                          | Back                                                                         | Front         |                   |                                          |                                              |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading          | E                              | 0.76                     | 0.070                                                                        | 0.038         | 35.50             | 0.035                                    | 0.04                                         |
| Measurement Grid                               |          |                         |                          |                                |                          |                                                                              |               |                   |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk | IEEE Controlled Limit:   |                                                                              | 2.55          |                   |                                          |                                              |
| Back Seat                                      |          | 3.6%                    | 1.9%                     | 2.7%                           | IEEE Uncontrolled Limit: |                                                                              | 0.51          |                   |                                          |                                              |
| Front Seat                                     |          | 2.6%                    | 0.9%                     | 1.0%                           |                          |                                                                              | RF Po (*Max): |                   | 36.0                                     |                                              |

Table 3

| External Vehicle MPE Assessment @ 770.000 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4016A      | 2.15               | 60                  | E             | 0.76               | 0.175                       | 35.60             | 0.087                        | 0.09                             |
| Measurement Grid                              |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                             | 20            | 0.3%               |                     | 6             | 120                | 4.2%                        |                   | 2.57                         | 0.51                             |
| 2                                             | 40            | 0.2%               |                     | 7             | 140                | 10.5%                       |                   |                              | RF Po (*Max)                     |
| 3                                             | 60            | 0.4%               |                     | 8             | 160                | 19.8%                       |                   |                              |                                  |
| 4                                             | 80            | 1.3%               |                     | 9             | 180                | 16.2%                       |                   |                              |                                  |
| 5                                             | 100           | 2.0%               |                     | 10            | 200                | 13.2%                       |                   |                              |                                  |

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**Table 4**

| Internal Vehicle MPE Assessment @ 770.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.76               | 0.083                                                                        | 0.038 | 35.60                    | 0.041                                    | 0.04                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.57                                         |
| Back Seat                                     |          | 2.6%                    |                     | 2.8%                     |                    | 4.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.51                                         |
| Front Seat                                    |          | 1.7%                    |                     | 1.6%                     |                    | 1.1%                                                                         |       | RF Po (*Max):            |                                          | 36.0                                         |

**Table 5**

| External Vehicle MPE Assessment @ 775.9125 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 60                  | E             | 0.76               | 0.199                       | 35.60             | 0.100                        | 0.10                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.4%               |                     | 6             | 120                | 4.3%                        |                   | 2.59                         | 0.52                             |
| 2                                              | 40            | 0.2%               |                     | 7             | 140                | 11.8%                       |                   |                              |                                  |
| 3                                              | 60            | 0.4%               |                     | 8             | 160                | 23.1%                       |                   |                              |                                  |
| 4                                              | 80            | 1.6%               |                     | 9             | 180                | 19.3%                       |                   |                              |                                  |
| 5                                              | 100           | 2.3%               |                     | 10            | 200                | 13.7%                       |                   |                              |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | 36.0                         |                                  |

**Table 6**

| Internal Vehicle MPE Assessment @ 775.9125 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.76               | 0.072                                                                        | 0.051 | 35.60                    | 0.036                                    | 0.04                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.59                                         |
| Back Seat                                      |          | 2.2%                    |                     | 3.9%                     |                    | 2.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.52                                         |
| Front Seat                                     |          | 2.1%                    |                     | 1.9%                     |                    | 1.9%                                                                         |       | RF Po (*Max):            |                                          | 36.0                                         |

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Table 7

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 60                  | E           | 0.75               | 0.177                                   | 35.80             | 0.089                                    | 0.09                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 0.3%               | 6                   | 120         | 3.8%               |                                         |                   | 2.65                                     |                                              |
| 2                                              | 40            | 0.2%               | 7                   | 140         | 11.9%              |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                              | 60            | 0.6%               | 8                   | 160         | 18.4%              |                                         |                   |                                          |                                              |
| 4                                              | 80            | 1.8%               | 9                   | 180         | 17.0%              |                                         |                   |                                          |                                              |
| 5                                              | 100           | 1.6%               | 10                  | 200         | 11.4%              |                                         |                   |                                          |                                              |
|                                                |               |                    |                     |             |                    |                                         |                   | 36.0                                     |                                              |

Table 8

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                          |                                |                          |                                                                  |               |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------------|------------------------------------------------------------------|---------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor       | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                          | Back                                                             | Front         |                   |                              |                                  |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading          | E                              | 0.75                     | 0.064                                                            | 0.034         | 35.80             | 0.032                        | 0.03                             |
| Measurement Grid                               |          |                         |                          |                                |                          |                                                                  |               |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk | IEEE Controlled Limit:   |                                                                  |               |                   | 2.65                         |                                  |
| Back Seat                                      |          | 2.6%                    | 2.4%                     | 2.2%                           | IEEE Uncontrolled Limit: |                                                                  |               |                   | 0.53                         |                                  |
| Front Seat                                     |          | 1.7%                    | 1.3%                     | 0.9%                           |                          |                                                                  | RF Po (*Max): | 36.0              |                              |                                  |

Table 9

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4016A      | 2.15               | 60                  | E           | 0.75               | 0.219                                   | 41.30             | 0.110                                    | 0.11                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 0.3%               | 6                   | 120         | 5.8%               |                                         |                   | 2.70                                     |                                              |
| 2                                             | 40            | 0.2%               | 7                   | 140         | 15.7%              |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                             | 60            | 0.8%               | 8                   | 160         | 21.7%              |                                         |                   |                                          |                                              |
| 4                                             | 80            | 1.6%               | 9                   | 180         | 20.1%              |                                         |                   |                                          |                                              |
| 5                                             | 100           | 1.4%               | 10                  | 200         | 13.7%              |                                         |                   |                                          |                                              |
|                                               |               |                    |                     |             |                    |                                         |                   | 42.0                                     |                                              |

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**Table 10**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.069                                                                        | 0.052 | 41.30                    | 0.035                                    | 0.04                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 2.9%                    |                     | 2.5%                     |                    | 2.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 1.4%                    |                     | 1.8%                     |                    | 2.6%                                                                         |       |                          | <b>RF Po (*Max):</b>                     | 42.0                                         |

**Table 11**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 60                  | E           | 0.75               | 0.176                       | 41.80                 | 0.088                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.2%               | 6                   | 120         | 5.7%               |                             | 2.75                  | 0.55                         |                                  |
| 2                                              | 40            | 0.3%               | 7                   | 140         | 10.3%              |                             |                       |                              |                                  |
| 3                                              | 60            | 0.9%               | 8                   | 160         | 14.0%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.5%               | 9                   | 180         | 16.7%              |                             |                       | RF Po (*Max)                 |                                  |
| 5                                              | 100           | 1.8%               | 10                  | 200         | 12.5%              |                             |                       | 42.0                         |                                  |

**Table 12**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.077                                                                        | 0.040 | 41.80                    | 0.038                                    | 0.04                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.75                                         |
| Back Seat                                      |          | 2.5%                    |                     | 3.6%                     |                    | 2.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.55                                         |
| Front Seat                                     |          | 1.6%                    |                     | 1.4%                     |                    | 1.4%                                                                         |       |                          | <b>RF Po (*Max):</b>                     | 42.0                                         |

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**Table 13**

| External Vehicle MPE Assessment @ 851.0125 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 60                  | E           | 0.74               | 0.179                       | 41.90             | 0.089                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.2%               | 6                   | 120         | 6.3%               |                             |                   | 2.84                         |                                  |
| 2                                              | 40            | 0.3%               | 7                   | 140         | 9.1%               |                             |                   | 0.57                         |                                  |
| 3                                              | 60            | 0.8%               | 8                   | 160         | 14.9%              |                             |                   |                              |                                  |
| 4                                              | 80            | 1.0%               | 9                   | 180         | 16.3%              |                             |                   |                              |                                  |
| 5                                              | 100           | 2.1%               | 10                  | 200         | 12.0%              |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

**Table 14**

| Internal Vehicle MPE Assessment @ 851.0125 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.74               | 0.035                                                            | 0.027 | 41.90                    | 0.017                        | 0.02                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.84                             |
| Back Seat                                      |          | 1.0%                    |                     | 1.0%                     |                    | 1.7%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.57                             |
| Front Seat                                     |          | 0.8%                    |                     | 1.0%                     |                    | 1.1%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

**Table 15**

| External Vehicle MPE Assessment @ 860.5 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|---------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                  | HAF4016A      | 2.15               | 60                  | E           | 0.74               | 0.166                       | 41.80             | 0.083                        | 0.08                             |
| Measurement Grid                            |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                               | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                           | 20            | 0.2%               | 6                   | 120         | 4.3%               |                             |                   | 2.87                         | 0.57                             |
| 2                                           | 40            | 0.4%               | 7                   | 140         | 8.5%               |                             |                   |                              |                                  |
| 3                                           | 60            | 0.8%               | 8                   | 160         | 13.4%              |                             |                   |                              |                                  |
| 4                                           | 80            | 1.5%               | 9                   | 180         | 16.3%              |                             |                   |                              |                                  |
| 5                                           | 100           | 1.6%               | 10                  | 200         | 10.9%              |                             |                   |                              |                                  |
|                                             |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                             |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

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**Table 16**

| Internal Vehicle MPE Assessment @ 860.5 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|---------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                            | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                             |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                  | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.74               | 0.035                                                                        | 0.021 | 41.80                    | 0.018                                    | 0.02                                         |
| Measurement Grid                            |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                               |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.87                                         |
| Back Seat                                   |          | 0.9%                    |                     | 0.8%                     |                    | 2.0%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                  |          | 0.5%                    |                     | 1.1%                     |                    | 0.6%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

**Table 17**

| External Vehicle MPE Assessment @ 869.9875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 60                  | E             | 0.74               | 0.183                       | 41.90             | 0.092                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.2%               |                     | 6             | 120                | 4.8%                        |                   | 2.90                         | 0.58                             |
| 2                                              | 40            | 0.6%               |                     | 7             | 140                | 8.9%                        |                   |                              |                                  |
| 3                                              | 60            | 1.1%               |                     | 8             | 160                | 14.1%                       |                   |                              |                                  |
| 4                                              | 80            | 1.0%               |                     | 9             | 180                | 17.9%                       |                   |                              | RF Po (*Max)                     |
| 5                                              | 100           | 2.1%               |                     | 10            | 200                | 12.5%                       |                   |                              | 42.0                             |

**Table 18**

| Internal Vehicle MPE Assessment @ 869.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.74               | 0.043                                                                        | 0.029 | 41.90                    | 0.022                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.90                                         |
| Back Seat                                      |          | 2.0%                    |                     | 1.6%                     |                    | 0.9%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.58                                         |
| Front Seat                                     |          | 0.9%                    |                     | 1.0%                     |                    | 1.1%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

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**Table 19**

| External Vehicle MPE Assessment @ 764.0875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 60                  | E           | 0.76               | 0.240                                   | 35.50             | 0.120                                    | 0.12                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 1.1%               | 6                   | 120         | 10.6%              |                                         |                   | 2.55                                     |                                              |
| 2                                              | 40            | 0.7%               | 7                   | 140         | 20.1%              |                                         |                   |                                          |                                              |
| 3                                              | 60            | 1.3%               | 8                   | 160         | 30.6%              |                                         |                   |                                          |                                              |
| 4                                              | 80            | 3.1%               | 9                   | 180         | 18.4%              |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                              | 100           | 5.0%               | 10                  | 200         | 3.5%               |                                         |                   | 36.0                                     |                                              |

**Table 20**

| Internal Vehicle MPE Assessment @ 764.0875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.115                                                            | 0.076 | 35.50                    | 0.058                        | 0.06                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.55                             |
| Back Seat                                      |          | 3.7%                    |                     | 3.6%                     |                    | 6.3%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.51                             |
| Front Seat                                     |          | 3.0%                    |                     | 2.7%                     |                    | 3.3%                                                             |       |                          | RF Po (*Max):                | 36.0                             |

**Table 21**

| External Vehicle MPE Assessment @ 770.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4014A      | 5.15               | 60                  | E           | 0.76               | 0.214                                   | 35.60             | 0.107                                    | 0.11                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 0.8%               | 6                   | 120         | 7.7%               |                                         |                   | 2.57                                     |                                              |
| 2                                             | 40            | 0.7%               | 7                   | 140         | 20.0%              |                                         |                   |                                          |                                              |
| 3                                             | 60            | 1.1%               | 8                   | 160         | 29.7%              |                                         |                   |                                          |                                              |
| 4                                             | 80            | 2.7%               | 9                   | 180         | 14.2%              |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                             | 100           | 3.8%               | 10                  | 200         | 2.6%               |                                         |                   | 36.0                                     |                                              |

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**Table 22**

| Internal Vehicle MPE Assessment @ 770.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.137                                                                        | 0.049 | 35.60                    | 0.068                                    | 0.07                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.57                                         |
| Back Seat                                     |          | 4.4%                    |                     | 5.5%                     |                    | 6.1%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.51                                         |
| Front Seat                                    |          | 1.3%                    |                     | 2.3%                     |                    | 2.1%                                                                         |       |                          | RF Po (*Max):                            | 36.0                                         |

**Table 23**

| External Vehicle MPE Assessment @ 775.9125 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 60                  | E           | 0.76               | 0.233                       | 35.60                 | 0.116                        | 0.12                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 1.2%               | 6                   | 120         | 6.4%               |                             | 2.59                  | 0.52                         |                                  |
| 2                                              | 40            | 0.6%               | 7                   | 140         | 21.0%              |                             |                       |                              |                                  |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 33.3%              |                             |                       |                              |                                  |
| 4                                              | 80            | 3.6%               | 9                   | 180         | 15.4%              |                             |                       | RF Po (*Max)                 |                                  |
| 5                                              | 100           | 4.3%               | 10                  | 200         | 3.0%               |                             |                       | 36.0                         |                                  |

**Table 24**

| Internal Vehicle MPE Assessment @ 775.9125 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.155                                                                        | 0.060 | 35.60                    | 0.078                                    | 0.08                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.59                                         |
| Back Seat                                      |          | 5.6%                    |                     | 7.7%                     |                    | 4.7%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.52                                         |
| Front Seat                                     |          | 3.0%                    |                     | 2.2%                     |                    | 1.8%                                                                         |       |                          | RF Po (*Max):                            | 36.0                                         |

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Table 25

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 60                  | E           | 0.75               | 0.233                                   | 35.80             | 0.116                                    | 0.12                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 0.9%               | 6                   | 120         | 7.5%               | 2.65                                    |                   | 0.53                                     |                                              |
| 2                                              | 40            | 0.9%               | 7                   | 140         | 21.2%              |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                              | 60            | 1.2%               | 8                   | 160         | 29.0%              |                                         |                   |                                          |                                              |
| 4                                              | 80            | 3.6%               | 9                   | 180         | 16.2%              |                                         |                   |                                          |                                              |
| 5                                              | 100           | 3.6%               | 10                  | 200         | 3.8%               |                                         |                   | 36.0                                     |                                              |

Table 26

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                          |                                |                          |                                                                  |       |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------------|------------------------------------------------------------------|-------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor       | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                          | Back                                                             | Front |                   |                              |                                  |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading          | E                              | 0.75                     | 0.103                                                            | 0.064 | 35.80             | 0.052                        | 0.05                             |
| Measurement Grid                               |          |                         |                          |                                |                          |                                                                  |       |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk | IEEE Controlled Limit:   |                                                                  |       |                   | 2.65                         |                                  |
| Back Seat                                      |          | 2.2%                    | 7.0%                     | 2.5%                           | IEEE Uncontrolled Limit: |                                                                  |       |                   | 0.53                         |                                  |
| Front Seat                                     |          | 2.6%                    | 2.5%                     | 2.2%                           |                          |                                                                  |       |                   | RF Po (*Max):                | 36.0                             |

Table 27

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4014A      | 5.15               | 60                  | E           | 0.75               | 0.275                                   | 41.30             | 0.138                                    | 0.14                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 0.8%               | 6                   | 120         | 11.4%              | 2.70                                    |                   | 0.54                                     |                                              |
| 2                                             | 40            | 1.0%               | 7                   | 140         | 29.1%              |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                             | 60            | 1.3%               | 8                   | 160         | 27.1%              |                                         |                   |                                          |                                              |
| 4                                             | 80            | 3.3%               | 9                   | 180         | 19.0%              |                                         |                   |                                          |                                              |
| 5                                             | 100           | 2.5%               | 10                  | 200         | 6.6%               |                                         |                   | 42.0                                     |                                              |

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**Table 28**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                               |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                    | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.133                                                            | 0.078 | 41.30                    | 0.067                        | 0.07                             |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.70                             |
| Back Seat                                     |          | 5.8%                    |                     | 5.6%                     |                    | 3.4%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.54                             |
| Front Seat                                    |          | 3.3%                    |                     | 3.6%                     |                    | 1.8%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

**Table 29**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 60                  | E             | 0.75               | 0.229                       | 41.80             | 0.115                        | 0.12                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.7%               |                     | 6             | 120                | 10.4%                       |                   | 2.75                         | 0.55                             |
| 2                                              | 40            | 0.6%               |                     | 7             | 140                | 20.1%                       |                   |                              | RF Po (*Max)                     |
| 3                                              | 60            | 1.5%               |                     | 8             | 160                | 22.6%                       |                   |                              |                                  |
| 4                                              | 80            | 2.6%               |                     | 9             | 180                | 15.8%                       |                   |                              |                                  |
| 5                                              | 100           | 3.7%               |                     | 10            | 200                | 5.5%                        |                   |                              |                                  |

**Table 30**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.125                                                            | 0.056 | 41.80                    | 0.062                        | 0.06                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.75                             |
| Back Seat                                      |          | 3.4%                    |                     | 6.4%                     |                    | 3.8%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.55                             |
| Front Seat                                     |          | 2.4%                    |                     | 2.1%                     |                    | 1.6%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

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**Table 31**

| External Vehicle MPE Assessment @ 851.0125 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 60                  | E             | 0.74               | 0.207                       | 41.90             | 0.103                        | 0.10                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.8%               |                     | 6             | 120                | 8.9%                        |                   | 2.84                         | 0.57                             |
| 2                                              | 40            | 0.9%               |                     | 7             | 140                | 13.7%                       |                   |                              | RF Po (*Max)                     |
| 3                                              | 60            | 1.6%               |                     | 8             | 160                | 21.1%                       |                   |                              |                                  |
| 4                                              | 80            | 1.9%               |                     | 9             | 180                | 15.5%                       |                   |                              |                                  |
| 5                                              | 100           | 3.2%               |                     | 10            | 200                | 5.2%                        |                   |                              |                                  |

**Table 32**

| Internal Vehicle MPE Assessment @ 851.0125 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         | Highest Reading     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4014A | 5.15                    |                     | E                        | 0.74               | 0.038                                                                        | 0.038 | 41.90                    | 0.019                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.84                                         |
| Back Seat                                      |          | 1.6%                    |                     | 1.2%                     |                    | 1.2%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                     |          | 1.4%                    |                     | 1.3%                     |                    | 1.3%                                                                         |       | RF Po (*Max):            |                                          | 42.0                                         |

**Table 33**

| External Vehicle MPE Assessment @ 860.5 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|---------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                  | HAF4014A      | 5.15               | 60                  | E             | 0.74               | 0.174                       | 41.80             | 0.087                        | 0.09                             |
| Measurement Grid                            |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                               | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                           | 20            | 0.8%               |                     | 6             | 120                | 5.5%                        |                   | 2.87                         | 0.57                             |
| 2                                           | 40            | 1.1%               |                     | 7             | 140                | 11.7%                       |                   |                              | RF Po (*Max)                     |
| 3                                           | 60            | 1.4%               |                     | 8             | 160                | 16.5%                       |                   |                              |                                  |
| 4                                           | 80            | 1.8%               |                     | 9             | 180                | 14.4%                       |                   |                              |                                  |
| 5                                           | 100           | 2.8%               |                     | 10            | 200                | 4.7%                        |                   |                              |                                  |

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**Table 34**

| Internal Vehicle MPE Assessment @ 860.5 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|---------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                            | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                             |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                  | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.029                                                                        | 0.037 | 41.80                    | 0.019                                    | 0.02                                         |
| Measurement Grid                            |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                               |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.87                                         |
| Back Seat                                   |          | 1.2%                    |                     | 0.8%                     |                    | 1.0%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                  |          | 1.0%                    |                     | 1.7%                     |                    | 1.2%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

**Table 35**

| External Vehicle MPE Assessment @ 869.9875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 60                  | E             | 0.74               | 0.165                       | 41.90             | 0.082                        | 0.08                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.6%               |                     | 6             | 120                | 6.5%                        |                   | 2.90                         | 0.58                             |
| 2                                              | 40            | 1.3%               |                     | 7             | 140                | 10.2%                       |                   |                              | RF Po (*Max)                     |
| 3                                              | 60            | 1.7%               |                     | 8             | 160                | 16.2%                       |                   |                              |                                  |
| 4                                              | 80            | 1.8%               |                     | 9             | 180                | 11.0%                       |                   |                              |                                  |
| 5                                              | 100           | 2.2%               |                     | 10            | 200                | 5.3%                        |                   |                              |                                  |

**Table 36**

| Internal Vehicle MPE Assessment @ 869.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.053                                                                        | 0.043 | 41.90                    | 0.027                                    | 0.03                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.90                                         |
| Back Seat                                      |          | 2.0%                    |                     | 2.2%                     |                    | 1.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.58                                         |
| Front Seat                                     |          | 1.6%                    |                     | 1.3%                     |                    | 1.6%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

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**Table 37**

| External Vehicle MPE Assessment @ 764.0875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 60                  | E           | 0.76               | 0.155                                   | 35.50             | 0.078                                    | 0.08                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 1.0%               | 6                   | 120         | 4.4%               |                                         |                   | 2.55                                     |                                              |
| 2                                              | 40            | 1.1%               | 7                   | 140         | 8.6%               |                                         |                   |                                          |                                              |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 14.0%              |                                         |                   |                                          |                                              |
| 4                                              | 80            | 2.1%               | 9                   | 180         | 13.9%              |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                              | 100           | 2.7%               | 10                  | 200         | 12.1%              |                                         |                   | 36.0                                     |                                              |

**Table 38**

| Internal Vehicle MPE Assessment @ 764.0875 MHz |          |                         |                          |                                |                          |                                                                  |       |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------------|------------------------------------------------------------------|-------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor       | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                          | Back                                                             | Front |                   |                              |                                  |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading          | E                              | 0.76                     | 0.063                                                            | 0.042 | 35.50             | 0.031                        | 0.03                             |
| Measurement Grid                               |          |                         |                          |                                |                          |                                                                  |       |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk | IEEE Controlled Limit:   |                                                                  |       |                   | 2.55                         |                                  |
| Back Seat                                      |          | 2.3%                    | 2.7%                     | 2.4%                           | IEEE Uncontrolled Limit: |                                                                  |       |                   | 0.51                         |                                  |
| Front Seat                                     |          | 1.9%                    | 1.6%                     | 1.5%                           |                          |                                                                  |       |                   | RF Po (*Max):                | 36.0                             |

**Table 39**

| External Vehicle MPE Assessment @ 770.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4013A      | 5.15               | 60                  | E           | 0.76               | 0.170                                   | 35.60             | 0.085                                    | 0.09                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 1.1%               | 6                   | 120         | 4.5%               |                                         |                   | 2.57                                     |                                              |
| 2                                             | 40            | 1.1%               | 7                   | 140         | 8.7%               |                                         |                   |                                          |                                              |
| 3                                             | 60            | 1.2%               | 8                   | 160         | 17.2%              |                                         |                   |                                          |                                              |
| 4                                             | 80            | 1.5%               | 9                   | 180         | 17.4%              |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                             | 100           | 2.3%               | 10                  | 200         | 11.1%              |                                         |                   | 36.0                                     |                                              |

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**Table 40**

| Internal Vehicle MPE Assessment @ 770.000 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                               |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                    | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.069                                                            | 0.047 | 35.60                    | 0.035                        | 0.04                             |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.57                             |
| Back Seat                                     |          | 2.1%                    |                     | 2.8%                     |                    | 3.2%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.51                             |
| Front Seat                                    |          | 2.3%                    |                     | 1.7%                     |                    | 1.5%                                                             |       |                          | RF Po (*Max):                | 36.0                             |

**Table 41**

| External Vehicle MPE Assessment @ 775.9125 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 60                  | E           | 0.76               | 0.160                       | 35.60                 | 0.080                        | 0.08                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 1.0%               | 6                   | 120         | 3.6%               |                             | 2.59                  | 0.52                         |                                  |
| 2                                              | 40            | 0.8%               | 7                   | 140         | 10.5%              |                             |                       |                              |                                  |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 16.2%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.1%               | 9                   | 180         | 15.0%              |                             |                       |                              |                                  |
| 5                                              | 100           | 1.7%               | 10                  | 200         | 10.8%              |                             |                       |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 | 36.0                             |

**Table 42**

| Internal Vehicle MPE Assessment @ 775.9125 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.088                                                            | 0.042 | 35.60                    | 0.044                        | 0.04                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.59                             |
| Back Seat                                      |          | 3.1%                    |                     | 4.6%                     |                    | 2.5%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.52                             |
| Front Seat                                     |          | 2.3%                    |                     | 1.3%                     |                    | 1.3%                                                             |       |                          | RF Po (*Max):                | 36.0                             |

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Table 43

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 60                  | E           | 0.75               | 0.159                                   | 35.80             | 0.080                                    | 0.08                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 1.0%               | 6                   | 120         | 3.7%               | 2.65                                    |                   | 0.53                                     |                                              |
| 2                                              | 40            | 0.8%               | 7                   | 140         | 10.0%              |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                              | 60            | 1.2%               | 8                   | 160         | 14.7%              |                                         |                   |                                          |                                              |
| 4                                              | 80            | 2.2%               | 9                   | 180         | 14.0%              |                                         |                   |                                          |                                              |
| 5                                              | 100           | 2.2%               | 10                  | 200         | 10.4%              |                                         |                   | 36.0                                     |                                              |

Table 44

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                          |                                |                    |                                                                  |               |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------|------------------------------------------------------------------|---------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                    | Back                                                             | Front         |                   |                              |                                  |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading          | E                              | 0.75               | 0.088                                                            | 0.034         | 35.80             | 0.044                        | 0.04                             |
| Measurement Grid                               |          |                         |                          |                                |                    |                                                                  |               |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk |                    | IEEE Controlled Limit:                                           |               |                   | 2.65                         |                                  |
| Back Seat                                      |          | 3.4%                    | 4.5%                     | 2.1%                           |                    | IEEE Uncontrolled Limit:                                         |               |                   | 0.53                         |                                  |
| Front Seat                                     |          | 1.0%                    | 1.4%                     | 1.4%                           |                    |                                                                  | RF Po (*Max): |                   | 36.0                         |                                  |

Table 45

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4013A      | 5.15               | 60                  | E           | 0.75               | 0.198                                   | 41.30             | 0.099                                    | 0.10                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 0.7%               | 6                   | 120         | 5.5%               | 2.70                                    |                   | 0.54                                     |                                              |
| 2                                             | 40            | 0.8%               | 7                   | 140         | 12.8%              |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                             | 60            | 1.5%               | 8                   | 160         | 17.7%              |                                         |                   |                                          |                                              |
| 4                                             | 80            | 2.2%               | 9                   | 180         | 17.6%              |                                         |                   |                                          |                                              |
| 5                                             | 100           | 1.9%               | 10                  | 200         | 12.9%              |                                         |                   | 42.0                                     |                                              |

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Table 46

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.077                                                                        | 0.053 | 41.30                    | 0.039                                    | 0.04                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 4.3%                    |                     | 2.4%                     |                    | 1.9%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 1.5%                    |                     | 2.3%                     |                    | 2.1%                                                                         |       | RF Po (*Max):            |                                          | 42.0                                         |

Table 47

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 60                  | E             | 0.75               | 0.175                       | 41.80             | 0.088                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.8%               |                     | 6             | 120                | 4.7%                        |                   | 2.75                         | 0.55                             |
| 2                                              | 40            | 0.9%               |                     | 7             | 140                | 9.5%                        |                   |                              |                                  |
| 3                                              | 60            | 1.5%               |                     | 8             | 160                | 14.8%                       |                   |                              |                                  |
| 4                                              | 80            | 2.2%               |                     | 9             | 180                | 14.6%                       |                   |                              |                                  |
| 5                                              | 100           | 3.1%               |                     | 10            | 200                | 11.7%                       |                   |                              |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | 42.0                         |                                  |

Table 48

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.069                                                                        | 0.060 | 41.80                    | 0.034                                    | 0.03                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.75                                         |
| Back Seat                                      |          | 2.2%                    |                     | 3.1%                     |                    | 2.2%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.55                                         |
| Front Seat                                     |          | 2.6%                    |                     | 2.1%                     |                    | 1.8%                                                                         |       | RF Po (*Max):            |                                          | 42.0                                         |

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**Table 49**

| External Vehicle MPE Assessment @ 851.0125 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 60                  | E           | 0.74               | 0.167                                   | 41.90             | 0.084                                    | 0.08                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 1.2%               | 6                   | 120         | 5.0%               | 2.84                                    |                   | 0.57                                     |                                              |
| 2                                              | 40            | 1.3%               | 7                   | 140         | 8.3%               |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                              | 60            | 1.2%               | 8                   | 160         | 11.6%              |                                         |                   |                                          |                                              |
| 4                                              | 80            | 2.5%               | 9                   | 180         | 13.8%              |                                         |                   |                                          |                                              |
| 5                                              | 100           | 2.7%               | 10                  | 200         | 11.4%              |                                         |                   |                                          |                                              |
|                                                |               |                    |                     |             |                    |                                         |                   | 42.0                                     |                                              |

**Table 50**

| Internal Vehicle MPE Assessment @ 851.0125 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         | Highest Reading     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4013A | 5.15                    |                     | E                        | 0.74               | 0.059                                                                        | 0.050 | 41.90                    | 0.029                                    | 0.03                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.84                                         |
| Back Seat                                      |          | 1.7%                    |                     | 1.7%                     |                    | 2.8%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                     |          | 1.8%                    |                     | 1.5%                     |                    | 2.0%                                                                         |       | RF Po (*Max):            |                                          | 42.0                                         |

**Table 51**

| External Vehicle MPE Assessment @ 860.5 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|---------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                            | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                  | HAF4013A      | 5.15               | 60                  | E           | 0.74               | 0.164                                   | 41.80             | 0.082                                    | 0.08                                         |
| Measurement Grid                            |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                               | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                           | 20            | 0.8%               | 6                   | 120         | 4.0%               | 2.87                                    |                   | 0.57                                     |                                              |
| 2                                           | 40            | 1.0%               | 7                   | 140         | 7.4%               |                                         |                   | RF Po (*Max)                             |                                              |
| 3                                           | 60            | 1.2%               | 8                   | 160         | 11.7%              |                                         |                   |                                          |                                              |
| 4                                           | 80            | 2.2%               | 9                   | 180         | 15.9%              |                                         |                   |                                          |                                              |
| 5                                           | 100           | 2.4%               | 10                  | 200         | 10.5%              |                                         |                   |                                          |                                              |
|                                             |               |                    |                     |             |                    |                                         |                   | 42.0                                     |                                              |

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**Table 52**

| Internal Vehicle MPE Assessment @ 860.5 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|---------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                            | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                             |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                  | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.035                                                                        | 0.026 | 41.80                    | 0.018                                    | 0.02                                         |
| Measurement Grid                            |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                               |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.87                                         |
| Back Seat                                   |          | 1.2%                    |                     | 1.0%                     |                    | 1.5%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                  |          | 0.6%                    |                     | 1.1%                     |                    | 1.0%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

**Table 53**

| External Vehicle MPE Assessment @ 869.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 60                  | E           | 0.74               | 0.170                       | 41.90                 | 0.085                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.7%               | 6                   | 120         | 4.3%               |                             | 2.90                  | 0.58                         |                                  |
| 2                                              | 40            | 1.2%               | 7                   | 140         | 6.7%               |                             |                       | RF Po (*Max)                 |                                  |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 12.7%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.7%               | 9                   | 180         | 16.1%              |                             |                       |                              |                                  |
| 5                                              | 100           | 2.1%               | 10                  | 200         | 12.0%              |                             |                       |                              |                                  |

**Table 54**

| Internal Vehicle MPE Assessment @ 869.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.043                                                                        | 0.028 | 41.90                    | 0.022                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.90                                         |
| Back Seat                                      |          | 1.5%                    |                     | 1.8%                     |                    | 1.2%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.58                                         |
| Front Seat                                     |          | 0.9%                    |                     | 1.0%                     |                    | 1.0%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

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**Table 55**

| External Vehicle MPE Assessment @ 764.0875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 60                  | E           | 0.76               | 0.124                                   | 35.50             | 0.062                                    | 0.06                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 1.1%               | 6                   | 120         | 1.0%               |                                         |                   | 2.55                                     |                                              |
| 2                                              | 40            | 1.1%               | 7                   | 140         | 1.6%               |                                         |                   |                                          |                                              |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 8.0%               |                                         |                   |                                          |                                              |
| 4                                              | 80            | 0.9%               | 9                   | 180         | 17.2%              |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                              | 100           | 0.9%               | 10                  | 200         | 15.9%              |                                         |                   | 36.0                                     |                                              |

**Table 56**

| Internal Vehicle MPE Assessment @ 764.0875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.020                                                            | 0.015 | 35.50                    | 0.010                        | 0.01                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.55                             |
| Back Seat                                      |          | 0.8%                    |                     | 0.8%                     |                    | 0.7%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.51                             |
| Front Seat                                     |          | 0.6%                    |                     | 0.6%                     |                    | 0.6%                                                             |       |                          | RF Po (*Max):                | 36.0                             |

**Table 57**

| External Vehicle MPE Assessment @ 770.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4017A      | 5.15               | 60                  | E           | 0.76               | 0.117                                   | 35.60             | 0.059                                    | 0.06                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 0.7%               | 6                   | 120         | 1.0%               |                                         |                   | 2.57                                     |                                              |
| 2                                             | 40            | 0.6%               | 7                   | 140         | 2.1%               |                                         |                   |                                          |                                              |
| 3                                             | 60            | 0.8%               | 8                   | 160         | 10.0%              |                                         |                   |                                          |                                              |
| 4                                             | 80            | 1.0%               | 9                   | 180         | 17.0%              |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                             | 100           | 0.9%               | 10                  | 200         | 11.6%              |                                         |                   | 36.0                                     |                                              |

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**Table 58**

| Internal Vehicle MPE Assessment @ 770.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.015                                                                        | 0.016 | 35.60                    | 0.008                                    | 0.01                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.57                                         |
| Back Seat                                     |          | 0.6%                    |                     | 0.6%                     |                    | 0.6%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.51                                         |
| Front Seat                                    |          | 0.6%                    |                     | 0.6%                     |                    | 0.7%                                                                         |       |                          | RF Po (*Max):                            | 36.0                                         |

**Table 59**

| External Vehicle MPE Assessment @ 775.9125 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 60                  | E           | 0.76               | 0.108                       | 35.60                 | 0.054                        | 0.05                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.9%               | 6                   | 120         | 1.7%               |                             | 2.59                  | 0.52                         |                                  |
| 2                                              | 40            | 0.9%               | 7                   | 140         | 2.4%               |                             |                       |                              |                                  |
| 3                                              | 60            | 0.8%               | 8                   | 160         | 9.0%               |                             |                       |                              |                                  |
| 4                                              | 80            | 0.7%               | 9                   | 180         | 14.1%              |                             |                       |                              |                                  |
| 5                                              | 100           | 1.0%               | 10                  | 200         | 10.2%              |                             |                       |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | 36.0                         |                                  |

**Table 60**

| Internal Vehicle MPE Assessment @ 775.9125 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.76               | 0.018                                                                        | 0.013 | 35.60                    | 0.009                                    | 0.01                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.59                                         |
| Back Seat                                      |          | 0.7%                    |                     | 0.7%                     |                    | 0.7%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.52                                         |
| Front Seat                                     |          | 0.5%                    |                     | 0.5%                     |                    | 0.5%                                                                         |       |                          | RF Po (*Max):                            | 36.0                                         |

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Table 61

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 60                  | E           | 0.75               | 0.139                       | 35.80                 | 0.069                        | 0.07                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 1.0%               | 6                   | 120         | 2.3%               |                             |                       | 2.65                         | 0.53                             |
| 2                                              | 40            | 1.0%               | 7                   | 140         | 6.2%               |                             |                       | RF Po (*Max)                 |                                  |
| 3                                              | 60            | 1.2%               | 8                   | 160         | 11.7%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.2%               | 9                   | 180         | 15.7%              |                             |                       |                              |                                  |
| 5                                              | 100           | 1.2%               | 10                  | 200         | 10.9%              |                             |                       |                              | 36.0                             |

Table 62

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                          |                                |                    |                                                                  |               |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------|------------------------------------------------------------------|---------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                    | Back                                                             | Front         |                   |                              |                                  |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading          | E                              | 0.75               | 0.022                                                            | 0.014         | 35.80             | 0.011                        | 0.01                             |
| Measurement Grid                               |          |                         |                          |                                |                    |                                                                  |               |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk |                    | IEEE Controlled Limit:                                           |               |                   | 2.65                         |                                  |
| Back Seat                                      |          | 0.8%                    | 1.0%                     | 0.7%                           |                    | IEEE Uncontrolled Limit:                                         |               |                   | 0.53                         |                                  |
| Front Seat                                     |          | 0.5%                    | 0.5%                     | 0.6%                           |                    |                                                                  | RF Po (*Max): |                   | 36.0                         |                                  |

Table 63

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4017A      | 5.15               | 60                  | E           | 0.75               | 0.186                       | 41.30             | 0.093                        | 0.09                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.6%               | 6                   | 120         | 2.6%               | 2.70                        |                   | 0.54                         |                                  |
| 2                                             | 40            | 0.7%               | 7                   | 140         | 9.1%               |                             |                   | RF Po (*Max)                 |                                  |
| 3                                             | 60            | 1.6%               | 8                   | 160         | 17.1%              |                             |                   |                              |                                  |
| 4                                             | 80            | 1.9%               | 9                   | 180         | 20.4%              |                             |                   |                              |                                  |
| 5                                             | 100           | 1.9%               | 10                  | 200         | 13.0%              |                             |                   |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

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**Table 64**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                               |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                    | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.033                                                            | 0.028 | 41.30                    | 0.017                        | 0.02                             |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.70                             |
| Back Seat                                     |          | 1.7%                    |                     | 1.0%                     |                    | 1.0%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.54                             |
| Front Seat                                    |          | 1.0%                    |                     | 0.8%                     |                    | 1.3%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

**Table 65**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 60                  | E           | 0.75               | 0.191                       | 41.80                 | 0.096                        | 0.10                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.7%               | 6                   | 120         | 5.3%               |                             | 2.75                  | 0.55                         |                                  |
| 2                                              | 40            | 0.5%               | 7                   | 140         | 10.2%              |                             |                       |                              |                                  |
| 3                                              | 60            | 1.3%               | 8                   | 160         | 18.6%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.5%               | 9                   | 180         | 16.8%              |                             |                       |                              |                                  |
| 5                                              | 100           | 1.6%               | 10                  | 200         | 13.2%              |                             |                       |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | 42.0                         |                                  |

**Table 66**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.058                                                            | 0.036 | 41.80                    | 0.029                        | 0.03                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.75                             |
| Back Seat                                      |          | 1.4%                    |                     | 3.2%                     |                    | 1.7%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.55                             |
| Front Seat                                     |          | 1.4%                    |                     | 1.1%                     |                    | 1.4%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

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**Table 67**

| External Vehicle MPE Assessment @ 851.0125 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 60                  | E           | 0.74               | 0.187                       | 41.90             | 0.093                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.8%               | 6                   | 120         | 6.3%               | 2.84                        |                   | RF Po (*Max)<br>42.0         |                                  |
| 2                                              | 40            | 1.1%               | 7                   | 140         | 11.6%              |                             |                   |                              |                                  |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 16.0%              |                             |                   |                              |                                  |
| 4                                              | 80            | 1.5%               | 9                   | 180         | 14.6%              |                             |                   |                              |                                  |
| 5                                              | 100           | 2.4%               | 10                  | 200         | 10.4%              |                             |                   |                              |                                  |

**Table 68**

| Internal Vehicle MPE Assessment @ 851.0125 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.040                                                            | 0.026 | 41.90                    | 0.020                        | 0.02                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.84                             |
| Back Seat                                      |          | 0.8%                    |                     | 0.9%                     |                    | 2.5%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.57                             |
| Front Seat                                     |          | 0.6%                    |                     | 0.9%                     |                    | 1.2%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

**Table 69**

| External Vehicle MPE Assessment @ 860.5 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|---------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                  | HAF4017A      | 5.15               | 60                  | E           | 0.74               | 0.174                       | 41.80                 | 0.087                        | 0.09                             |
| Measurement Grid                            |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                               | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                           | 20            | 0.6%               | 6                   | 120         | 5.8%               |                             | 2.87                  | 0.57                         |                                  |
| 2                                           | 40            | 1.5%               | 7                   | 140         | 9.1%               |                             |                       |                              |                                  |
| 3                                           | 60            | 1.7%               | 8                   | 160         | 15.4%              |                             |                       |                              |                                  |
| 4                                           | 80            | 1.7%               | 9                   | 180         | 12.2%              |                             |                       |                              |                                  |
| 5                                           | 100           | 3.3%               | 10                  | 200         | 9.2%               |                             |                       |                              |                                  |
|                                             |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                             |               |                    |                     |             |                    |                             |                       | 42.0                         |                                  |

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**Table 70**

| Internal Vehicle MPE Assessment @ 860.5 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|---------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                             |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                  | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.041                                                            | 0.020 | 41.80                    | 0.021                        | 0.02                             |
| Measurement Grid                            |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                               |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.87                             |
| Back Seat                                   |          | 1.5%                    |                     | 0.7%                     |                    | 2.1%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.57                             |
| Front Seat                                  |          | 0.7%                    |                     | 0.5%                     |                    | 0.9%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

**Table 71**

| External Vehicle MPE Assessment @ 869.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 60                  | E           | 0.74               | 0.177                       | 41.90                 | 0.088                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 1.0%               | 6                   | 120         | 6.6%               |                             | 2.90                  | 0.58                         |                                  |
| 2                                              | 40            | 1.2%               | 7                   | 140         | 11.4%              |                             |                       |                              |                                  |
| 3                                              | 60            | 1.9%               | 8                   | 160         | 16.2%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.9%               | 9                   | 180         | 9.6%               |                             |                       | RF Po (*Max)                 |                                  |
| 5                                              | 100           | 2.8%               | 10                  | 200         | 8.4%               |                             |                       | 42.0                         |                                  |

**Table 72**

| Internal Vehicle MPE Assessment @ 869.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.048                                                            | 0.024 | 41.90                    | 0.024                        | 0.02                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.90                             |
| Back Seat                                      |          | 1.6%                    |                     | 1.1%                     |                    | 2.3%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.58                             |
| Front Seat                                     |          | 0.8%                    |                     | 0.9%                     |                    | 0.8%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

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**Table 73**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | RRA4914B      | 5.15               | 60                  | E           | 0.75               | 0.218                       | 41.30             | 0.109                        | 0.11                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 1.0%               | 6                   | 120         | 8.1%               |                             |                   | 2.70                         | 0.54                             |
| 2                                             | 40            | 0.8%               | 7                   | 140         | 17.8%              |                             |                   |                              |                                  |
| 3                                             | 60            | 1.8%               | 8                   | 160         | 19.4%              |                             |                   |                              |                                  |
| 4                                             | 80            | 2.0%               | 9                   | 180         | 13.6%              |                             |                   |                              |                                  |
| 5                                             | 100           | 2.7%               | 10                  | 200         | 13.7%              |                             |                   |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                               |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

**Table 74**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                          |                                |                          |                                                                              |               |                   |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------------|------------------------------------------------------------------------------|---------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor       | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                          |                                |                          | Back                                                                         | Front         |                   |                                          |                                              |
| Roof (cnt)                                    | RRA4914B | 5.15                    | Highest Reading          | E                              | 0.75                     | 0.103                                                                        | 0.086         | 41.30             | 0.052                                    | 0.05                                         |
| Measurement Grid                              |          |                         |                          |                                |                          |                                                                              |               |                   |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk | IEEE Controlled Limit:   |                                                                              | 2.70          |                   |                                          |                                              |
| Back Seat                                     |          | 4.6%                    | 3.7%                     | 3.2%                           | IEEE Uncontrolled Limit: |                                                                              | 0.54          |                   |                                          |                                              |
| Front Seat                                    |          | 2.9%                    | 2.4%                     | 4.3%                           |                          |                                                                              | RF Po (*Max): |                   | 42.0                                     |                                              |

**Table 75**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | RRA4914B      | 5.15               | 60                  | E           | 0.75               | 0.184                       | 41.80             | 0.092                        | 0.09                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 1.1%               | 6                   | 120         | 8.1%               |                             |                   | 2.75                         | 0.55                             |
| 2                                              | 40            | 1.4%               | 7                   | 140         | 14.7%              |                             |                   |                              |                                  |
| 3                                              | 60            | 1.6%               | 8                   | 160         | 16.3%              |                             |                   |                              |                                  |
| 4                                              | 80            | 2.6%               | 9                   | 180         | 12.8%              |                             |                   |                              |                                  |
| 5                                              | 100           | 2.9%               | 10                  | 200         | 5.5%               |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

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**Table 76**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | RRA4914B | 5.15                    | Highest Reading     | E                        | 0.75               | 0.110                                                                        | 0.077 | 41.80                    | 0.055                                    | 0.06                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.75                                         |
| Back Seat                                      |          | 2.5%                    |                     | 5.2%                     |                    | 4.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.55                                         |
| Front Seat                                     |          | 3.5%                    |                     | 2.2%                     |                    | 2.7%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

**Table 77**

| External Vehicle MPE Assessment @ 851.0125 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | RRA4914B      | 5.15               | 60                  | E             | 0.74               | 0.226                       | 41.90             | 0.113                        | 0.11                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.5%               |                     | 6             | 120                | 10.0%                       |                   | 2.84                         | 0.57                             |
| 2                                              | 40            | 1.1%               |                     | 7             | 140                | 14.5%                       |                   |                              | RF Po (*Max)                     |
| 3                                              | 60            | 1.6%               |                     | 8             | 160                | 21.9%                       |                   |                              |                                  |
| 4                                              | 80            | 2.1%               |                     | 9             | 180                | 16.9%                       |                   |                              |                                  |
| 5                                              | 100           | 3.9%               |                     | 10            | 200                | 7.0%                        |                   |                              |                                  |

**Table 78**

| Internal Vehicle MPE Assessment @ 851.0125 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | RRA4914B | 5.15                    | Highest Reading     | E                        | 0.74               | 0.049                                                                        | 0.040 | 41.90                    | 0.025                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.84                                         |
| Back Seat                                      |          | 1.6%                    |                     | 1.3%                     |                    | 2.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                     |          | 1.3%                    |                     | 1.6%                     |                    | 1.3%                                                                         |       |                          | RF Po (*Max):                            | 42.0                                         |

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Table 79

| External Vehicle MPE Assessment @ 860.5 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|---------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                  | RRA4914B      | 5.15               | 60                  | E           | 0.74               | 0.190                       | 41.80             | 0.095                        | 0.10                             |
| Measurement Grid                            |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                               | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                           | 20            | 0.8%               | 6                   | 120         | 7.1%               |                             |                   | 2.87                         | 0.57                             |
| 2                                           | 40            | 1.1%               | 7                   | 140         | 11.3%              |                             |                   |                              |                                  |
| 3                                           | 60            | 1.6%               | 8                   | 160         | 18.4%              |                             |                   |                              |                                  |
| 4                                           | 80            | 1.9%               | 9                   | 180         | 14.4%              |                             |                   |                              |                                  |
| 5                                           | 100           | 3.4%               | 10                  | 200         | 6.2%               |                             |                   |                              |                                  |
|                                             |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                             |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

Table 80

| Internal Vehicle MPE Assessment @ 860.5 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|---------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                            | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                             |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                  | RRA4914B | 5.15                    | Highest Reading     | E                        | 0.74               | 0.050                                                                        | 0.036 | 41.80                    | 0.025                                    | 0.02                                         |
| Measurement Grid                            |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                               |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.87                                         |
| Back Seat                                   |          | 1.6%                    |                     | 1.2%                     |                    | 2.4%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.57                                         |
| Front Seat                                  |          | 1.0%                    |                     | 1.6%                     |                    | 1.2%                                                                         |       | RF Po (*Max):            |                                          | 42.0                                         |

Table 81

| External Vehicle MPE Assessment @ 869.9875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | RRA4914B      | 5.15               | 60                  | E             | 0.74               | 0.196                       | 41.90             | 0.098                        | 0.10                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.4%               |                     | 6             | 120                | 6.5%                        |                   | 2.90                         | 0.58                             |
| 2                                              | 40            | 0.7%               |                     | 7             | 140                | 14.0%                       |                   |                              |                                  |
| 3                                              | 60            | 1.2%               |                     | 8             | 160                | 18.0%                       |                   |                              |                                  |
| 4                                              | 80            | 2.2%               |                     | 9             | 180                | 14.8%                       |                   |                              |                                  |
| 5                                              | 100           | 3.4%               |                     | 10            | 200                | 6.4%                        |                   |                              |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | 42.0                         |                                  |

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**Table 82**

| Internal Vehicle MPE Assessment @ 869.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | RRA4914B | 5.15                    | Highest Reading     | E                        | 0.74               | 0.022                                                            | 0.023 | 41.90                    | 0.012                        | 0.01                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.90                             |
| Back Seat                                      |          | 0.9%                    |                     | 0.8%                     |                    | 0.6%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.58                             |
| Front Seat                                     |          | 0.6%                    |                     | 1.1%                     |                    | 0.7%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

**Table 83**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4002A      | 5.15               | 60                  | E           | 0.75               | 0.164                       | 41.30                 | 0.082                        | 0.08                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.3%               | 6                   | 120         | 4.9%               |                             | 2.70                  | 0.54                         |                                  |
| 2                                             | 40            | 0.3%               | 7                   | 140         | 10.6%              |                             |                       |                              |                                  |
| 3                                             | 60            | 0.9%               | 8                   | 160         | 14.1%              |                             |                       |                              |                                  |
| 4                                             | 80            | 1.4%               | 9                   | 180         | 15.8%              |                             |                       |                              |                                  |
| 5                                             | 100           | 1.1%               | 10                  | 200         | 11.5%              |                             |                       |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | 42.0                         |                                  |

**Table 84**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                               |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                    | HAF4002A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.082                                                            | 0.047 | 41.30                    | 0.041                        | 0.04                             |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.70                             |
| Back Seat                                     |          | 3.9%                    |                     | 2.7%                     |                    | 2.5%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.54                             |
| Front Seat                                    |          | 1.6%                    |                     | 1.1%                     |                    | 2.5%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

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Table 85

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4002A      | 5.15               | 60                  | E           | 0.75               | 0.157                       | 41.80             | 0.079                        | 0.08                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.4%               | 6                   | 120         | 4.1%               |                             |                   | 2.75                         | 0.55                             |
| 2                                              | 40            | 0.6%               | 7                   | 140         | 8.9%               |                             |                   |                              |                                  |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 14.3%              |                             |                   |                              |                                  |
| 4                                              | 80            | 1.5%               | 9                   | 180         | 13.9%              |                             |                   |                              |                                  |
| 5                                              | 100           | 1.8%               | 10                  | 200         | 10.7%              |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

Table 86

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4002A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.049                                                            | 0.051 | 41.80                    | 0.026                        | 0.03                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.75                             |
| Back Seat                                      |          | 1.2%                    |                     | 2.5%                     |                    | 1.7%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.55                             |
| Front Seat                                     |          | 2.4%                    |                     | 1.5%                     |                    | 1.7%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

Table 87

| External Vehicle MPE Assessment @ 851.0125 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4002A      | 5.15               | 60                  | E           | 0.74               | 0.156                       | 41.90             | 0.078                        | 0.08                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.4%               | 6                   | 120         | 5.1%               | 2.84                        |                   | 0.57                         |                                  |
| 2                                              | 40            | 0.4%               | 7                   | 140         | 8.2%               |                             |                   | RF Po (*Max)                 |                                  |
| 3                                              | 60            | 1.0%               | 8                   | 160         | 12.0%              |                             |                   |                              |                                  |
| 4                                              | 80            | 1.0%               | 9                   | 180         | 14.3%              |                             |                   |                              |                                  |
| 5                                              | 100           | 1.6%               | 10                  | 200         | 10.9%              |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 42.0                         |                                  |

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Table 88

| Internal Vehicle MPE Assessment @ 851.0125 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4002A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.037                                                            | 0.022 | 41.90                    | 0.018                        | 0.02                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.84                             |
| Back Seat                                      |          | 1.1%                    |                     | 0.7%                     |                    | 2.1%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.57                             |
| Front Seat                                     |          | 0.8%                    |                     | 0.7%                     |                    | 0.8%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

Table 89

| External Vehicle MPE Assessment @ 860.5 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|---------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                  | HAF4002A      | 5.15               | 60                  | E             | 0.74               | 0.140                       | 41.80             | 0.070                        | 0.07                             |
| Measurement Grid                            |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                               | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                           | 20            | 0.3%               |                     | 6             | 120                | 3.6%                        |                   | 2.87                         | 0.57                             |
| 2                                           | 40            | 0.4%               |                     | 7             | 140                | 6.8%                        |                   |                              | RF Po (*Max)                     |
| 3                                           | 60            | 1.1%               |                     | 8             | 160                | 10.3%                       |                   |                              |                                  |
| 4                                           | 80            | 1.2%               |                     | 9             | 180                | 13.5%                       |                   |                              |                                  |
| 5                                           | 100           | 1.8%               |                     | 10            | 200                | 9.8%                        |                   |                              |                                  |

Table 90

| Internal Vehicle MPE Assessment @ 860.5 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|---------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                            | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                             |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                  | HAF4002A | 5.15                    | Highest Reading     | E                        | 0.74               | 0.023                                                            | 0.014 | 41.80                    | 0.011                        | 0.01                             |
| Measurement Grid                            |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                               |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.87                             |
| Back Seat                                   |          | 1.2%                    |                     | 0.4%                     |                    | 0.8%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.57                             |
| Front Seat                                  |          | 0.3%                    |                     | 0.4%                     |                    | 0.8%                                                             |       |                          | RF Po (*Max):                | 42.0                             |

APCO

Table 91

| External Vehicle MPE Assessment @ 869.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4002A      | 5.15               | 60                  | E           | 0.74               | 0.140                       | 41.90                 | 0.070                        | 0.07                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.5%               | 6                   | 120         | 3.5%               |                             | 2.90                  | 0.58                         |                                  |
| 2                                              | 40            | 0.6%               | 7                   | 140         | 5.4%               |                             |                       |                              |                                  |
| 3                                              | 60            | 1.1%               | 8                   | 160         | 10.8%              |                             |                       |                              |                                  |
| 4                                              | 80            | 1.3%               | 9                   | 180         | 13.3%              |                             |                       |                              |                                  |
| 5                                              | 100           | 2.1%               | 10                  | 200         | 9.6%               |                             |                       |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 | 42.0                             |

Table 92

| Internal Vehicle MPE Assessment @ 869.9875 MHz |          |                         |                          |                                |                    |                                                                  |       |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------|------------------------------------------------------------------|-------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                    | Back                                                             | Front |                   |                              |                                  |
| Roof (cnt)                                     | HAF4002A | 5.15                    | Highest Reading          | E                              | 0.74               | 0.023                                                            | 0.017 | 41.90             | 0.012                        | 0.01                             |
| Measurement Grid                               |          |                         |                          |                                |                    |                                                                  |       |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk |                    | IEEE Controlled Limit:                                           |       |                   | 2.90                         |                                  |
| Back Seat                                      |          | 1.2%                    | 0.6%                     | 0.6%                           |                    | IEEE Uncontrolled Limit:                                         |       |                   | 0.58                         |                                  |
| Front Seat                                     |          | 0.7%                    | 0.4%                     | 0.7%                           |                    |                                                                  |       | RF Po (*Max):     | 42.0                         |                                  |

HPD

Table 93

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 30                  | E             | 0.75               | 0.046                       | 11.60             | 0.046                        | 0.05                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.6%               |                     | 6             | 120                | 1.4%                        |                   | 2.65                         | 0.53                             |
| 2                                              | 40            | 0.5%               |                     | 7             | 140                | 2.7%                        |                   |                              |                                  |
| 3                                              | 60            | 0.6%               |                     | 8             | 160                | 3.9%                        |                   |                              |                                  |
| 4                                              | 80            | 0.8%               |                     | 9             | 180                | 3.6%                        |                   |                              |                                  |
| 5                                              | 100           | 0.7%               |                     | 10            | 200                | 2.5%                        |                   |                              |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | 12.0                         |                                  |

**HPD**

**Table 94**

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.014                                                                        | 0.011 | 11.60                    | 0.014                                    | 0.01                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.65                                         |
| Back Seat                                      |          | 0.5%                    |                     | 0.6%                     |                    | 0.5%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.53                                         |
| Front Seat                                     |          | 0.3%                    |                     | 0.4%                     |                    | 0.5%                                                                         |       | RF Po (*Max):            |                                          | 12.0                                         |

**Table 95**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4016A      | 2.15               | 30                  | E           | 0.75               | 0.040                       | 11.20                 | 0.040                        | 0.04                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.3%               | 6                   | 120         | 1.1%               |                             | 2.70                  | 0.54                         |                                  |
| 2                                             | 40            | 0.4%               | 7                   | 140         | 2.2%               |                             |                       |                              |                                  |
| 3                                             | 60            | 0.5%               | 8                   | 160         | 3.4%               |                             |                       |                              |                                  |
| 4                                             | 80            | 0.6%               | 9                   | 180         | 3.2%               |                             |                       |                              |                                  |
| 5                                             | 100           | 0.7%               | 10                  | 200         | 2.6%               |                             |                       |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | 12.0                         |                                  |

**Table 96**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.019                                                                        | 0.011 | 11.20                    | 0.019                                    | 0.02                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 0.9%                    |                     | 0.5%                     |                    | 0.7%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 0.3%                    |                     | 0.3%                     |                    | 0.6%                                                                         |       | RF Po (*Max):            |                                          | 12.0                                         |

**HPD**

Table 97

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4016A      | 2.15               | 30                  | E           | 0.75               | 0.034                       | 11.70             | 0.034                        | 0.03                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.2%               | 6                   | 120         | 0.9%               |                             |                   | 2.75                         |                                  |
| 2                                              | 40            | 0.2%               | 7                   | 140         | 2.0%               |                             |                   | 0.55                         |                                  |
| 3                                              | 60            | 0.3%               | 8                   | 160         | 2.4%               |                             |                   |                              |                                  |
| 4                                              | 80            | 0.4%               | 9                   | 180         | 3.0%               |                             |                   |                              |                                  |
| 5                                              | 100           | 0.6%               | 10                  | 200         | 2.3%               |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 12.0                         |                                  |

Table 98

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4016A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.015                                                            | 0.015 | 11.70                    | 0.015                        | 0.02                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.75                             |
| Back Seat                                      |          | 0.5%                    |                     | 0.4%                     |                    | 0.7%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.55                             |
| Front Seat                                     |          | 0.6%                    |                     | 0.5%                     |                    | 0.5%                                                             |       |                          | RF Po (*Max):                | 12.0                             |

Table 99

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 30                  | E           | 0.75               | 0.054                       | 11.60             | 0.054                        | 0.06                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.5%               | 6                   | 120         | 1.8%               |                             |                   | 2.65 <td>0.53</td>           | 0.53                             |
| 2                                              | 40            | 0.4%               | 7                   | 140         | 4.2%               |                             |                   | RF Po (*Max)                 |                                  |
| 3                                              | 60            | 0.6%               | 8                   | 160         | 4.2%               |                             |                   |                              |                                  |
| 4                                              | 80            | 1.0%               | 9                   | 180         | 2.9%               |                             |                   |                              |                                  |
| 5                                              | 100           | 1.2%               | 10                  | 200         | 3.7%               |                             |                   |                              | 12.0                             |

**HPD**

**Table 100**

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.026                                                                        | 0.019 | 11.60                    | 0.026                                    | 0.03                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.65                                         |
| Back Seat                                      |          | 0.8%                    |                     | 1.3%                     |                    | 0.8%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.53                                         |
| Front Seat                                     |          | 0.6%                    |                     | 0.7%                     |                    | 0.9%                                                                         |       |                          | <b>RF Po (*Max):</b>                     | 12.0                                         |

**Table 101**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4014A      | 5.15               | 30                  | E           | 0.75               | 0.046                       | 11.20                 | 0.046                        | 0.05                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.4%               | 6                   | 120         | 1.7%               |                             | 2.70                  | 0.54                         |                                  |
| 2                                             | 40            | 0.4%               | 7                   | 140         | 3.9%               |                             |                       |                              |                                  |
| 3                                             | 60            | 0.7%               | 8                   | 160         | 4.0%               |                             |                       |                              |                                  |
| 4                                             | 80            | 0.8%               | 9                   | 180         | 3.3%               |                             |                       |                              |                                  |
| 5                                             | 100           | 0.8%               | 10                  | 200         | 1.1%               |                             |                       |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | 12.0                         |                                  |

**Table 102**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4014A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.025                                                                        | 0.019 | 11.20                    | 0.025                                    | 0.03                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 1.1%                    |                     | 0.5%                     |                    | 1.2%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 0.8%                    |                     | 0.4%                     |                    | 0.9%                                                                         |       |                          | <b>RF Po (*Max):</b>                     | 12.0                                         |

**HPD**

**Table 103**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4014A      | 5.15               | 30                  | E           | 0.75               | 0.052                       | 11.70                 | 0.052                        | 0.05                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.4%               | 6                   | 120         | 1.8%               |                             | 2.75                  | RF Po (*Max)<br>12.0         |                                  |
| 2                                              | 40            | 0.4%               | 7                   | 140         | 3.6%               |                             |                       |                              |                                  |
| 3                                              | 60            | 0.6%               | 8                   | 160         | 4.9%               |                             |                       |                              |                                  |
| 4                                              | 80            | 0.8%               | 9                   | 180         | 3.7%               |                             |                       |                              |                                  |
| 5                                              | 100           | 0.9%               | 10                  | 200         | 1.7%               |                             |                       |                              |                                  |

**Table 104**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                          |                                |                    |                                                                  |               |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------|------------------------------------------------------------------|---------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                    | Back                                                             | Front         |                   |                              |                                  |
| Roof (cnt)                                     | HAF4014A | 5.15                    | Highest Reading          | E                              | 0.75               | 0.020                                                            | 0.016         | 11.70             | 0.020                        | 0.02                             |
| Measurement Grid                               |          |                         |                          |                                |                    |                                                                  |               |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk |                    | IEEE Controlled Limit:                                           |               |                   | 2.75                         |                                  |
| Back Seat                                      |          | 0.5%                    | 0.8%                     | 0.9%                           |                    | IEEE Uncontrolled Limit:                                         |               |                   | 0.55                         |                                  |
| Front Seat                                     |          | 0.6%                    | 0.5%                     | 0.7%                           |                    |                                                                  | RF Po (*Max): |                   | 12.0                         |                                  |

**Table 105**

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 30                  | E           | 0.75               | 0.038                       | 11.60             | 0.038                        | 0.04                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.3%               | 6                   | 120         | 1.0%               | 2.65                        |                   | 0.53                         |                                  |
| 2                                              | 40            | 0.4%               | 7                   | 140         | 2.7%               |                             |                   | RF Po (*Max)                 |                                  |
| 3                                              | 60            | 0.4%               | 8                   | 160         | 3.4%               |                             |                   |                              |                                  |
| 4                                              | 80            | 0.6%               | 9                   | 180         | 2.8%               |                             |                   |                              |                                  |
| 5                                              | 100           | 0.4%               | 10                  | 200         | 2.5%               |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 12.0                         |                                  |

**HPD**

**Table 106**

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.015                                                                        | 0.012 | 11.60                    | 0.015                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.65                                         |
| Back Seat                                      |          | 0.4%                    |                     | 0.8%                     |                    | 0.5%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.53                                         |
| Front Seat                                     |          | 0.4%                    |                     | 0.4%                     |                    | 0.6%                                                                         |       |                          | <b>RF Po (*Max):</b>                     | 12.0                                         |

**Table 107**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4013A      | 5.15               | 30                  | E           | 0.75               | 0.044                       | 11.20                 | 0.044                        | 0.05                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.3%               | 6                   | 120         | 1.3%               |                             | 2.70                  | 0.54                         |                                  |
| 2                                             | 40            | 0.3%               | 7                   | 140         | 2.7%               |                             |                       |                              |                                  |
| 3                                             | 60            | 0.3%               | 8                   | 160         | 3.9%               |                             |                       |                              |                                  |
| 4                                             | 80            | 0.5%               | 9                   | 180         | 3.7%               |                             |                       |                              |                                  |
| 5                                             | 100           | 0.4%               | 10                  | 200         | 2.8%               |                             |                       |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                               |               |                    |                     |             |                    |                             |                       | 12.0                         |                                  |

**Table 108**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4013A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.018                                                                        | 0.014 | 11.20                    | 0.018                                    | 0.02                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 0.6%                    |                     | 0.6%                     |                    | 0.8%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 0.5%                    |                     | 0.4%                     |                    | 0.7%                                                                         |       |                          | <b>RF Po (*Max):</b>                     | 12.0                                         |

**HPD**

**Table 109**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                       |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-----------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W)     | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4013A      | 5.15               | 30                  | E           | 0.75               | 0.045                       | 11.70                 | 0.045                        | 0.05                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                       |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit |                             | IEEE Controlled Limit | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.4%               | 6                   | 120         | 1.4%               |                             | 2.75                  | 0.55                         |                                  |
| 2                                              | 40            | 0.4%               | 7                   | 140         | 2.5%               |                             |                       |                              |                                  |
| 3                                              | 60            | 0.5%               | 8                   | 160         | 3.5%               |                             |                       |                              |                                  |
| 4                                              | 80            | 0.4%               | 9                   | 180         | 3.9%               |                             |                       |                              |                                  |
| 5                                              | 100           | 0.5%               | 10                  | 200         | 3.0%               |                             |                       |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |             |                    |                             |                       | 12.0                         |                                  |

**Table 110**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                          |                                |                          |                                                                              |               |                   |                                          |                                              |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------------|------------------------------------------------------------------------------|---------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor       | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |               | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                          |                                |                          | Back                                                                         | Front         |                   |                                          |                                              |
| Roof (cnt)                                     | HAF4013A | 5.15                    | Highest Reading          | E                              | 0.75                     | 0.016                                                                        | 0.017         | 11.70             | 0.017                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                          |                                |                          |                                                                              |               |                   |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk | IEEE Controlled Limit:   |                                                                              | 2.75          |                   |                                          |                                              |
| Back Seat                                      |          | 0.4%                    | 0.6%                     | 0.8%                           | IEEE Uncontrolled Limit: |                                                                              | 0.55          |                   |                                          |                                              |
| Front Seat                                     |          | 0.8%                    | 0.6%                     | 0.5%                           |                          |                                                                              | RF Po (*Max): |                   | 12.0                                     |                                              |

**Table 111**

| External Vehicle MPE Assessment @ 794.0875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 30                  | E             | 0.75               | 0.040                       | 11.60             | 0.040                        | 0.04                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.3%               |                     | 6             | 120                | 0.6%                        |                   | 2.65                         | 0.53                             |
| 2                                              | 40            | 0.3%               |                     | 7             | 140                | 1.6%                        |                   |                              |                                  |
| 3                                              | 60            | 0.4%               |                     | 8             | 160                | 3.7%                        |                   |                              |                                  |
| 4                                              | 80            | 0.4%               |                     | 9             | 180                | 4.2%                        |                   |                              |                                  |
| 5                                              | 100           | 0.5%               |                     | 10            | 200                | 3.0%                        |                   |                              |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | RF Po (*Max)                 |                                  |
|                                                |               |                    |                     |               |                    |                             |                   | 12.0                         |                                  |

**HPD**

**Table 112**

| Internal Vehicle MPE Assessment @ 794.0875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.007                                                                        | 0.008 | 11.60                    | 0.008                                    | 0.01                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.65                                         |
| Back Seat                                      |          | 0.3%                    |                     | 0.2%                     |                    | 0.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.53                                         |
| Front Seat                                     |          | 0.3%                    |                     | 0.3%                     |                    | 0.3%                                                                         |       |                          | RF Po (*Max):                            | 12.0                                         |

**Table 113**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | HAF4017A      | 5.15               | 30                  | E           | 0.75               | 0.044                       | 11.20             | 0.044                        | 0.05                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.3%               | 6                   | 120         | 0.9%               | 2.70                        |                   | 0.54                         |                                  |
| 2                                             | 40            | 0.4%               | 7                   | 140         | 2.5%               | RF Po (*Max)                |                   |                              |                                  |
| 3                                             | 60            | 0.5%               | 8                   | 160         | 3.5%               |                             |                   |                              |                                  |
| 4                                             | 80            | 0.5%               | 9                   | 180         | 4.2%               |                             |                   |                              |                                  |
| 5                                             | 100           | 0.6%               | 10                  | 200         | 2.8%               |                             |                   |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                   | 12.0                         |                                  |

**Table 114**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         |                     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | HAF4017A | 5.15                    | Highest Reading     | E                        | 0.75               | 0.009                                                                        | 0.009 | 11.20                    | 0.009                                    | 0.01                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 0.4%                    |                     | 0.3%                     |                    | 0.3%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 0.3%                    |                     | 0.3%                     |                    | 0.4%                                                                         |       |                          | RF Po (*Max):                            | 12.0                                         |

**HPD**

**Table 115**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | HAF4017A      | 5.15               | 30                  | E           | 0.75               | 0.046                       | 11.70             | 0.046                        | 0.05                             |
| Measurement Grid                               |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                              | 20            | 0.3%               | 6                   | 120         | 1.3%               |                             |                   | 2.75                         |                                  |
| 2                                              | 40            | 0.5%               | 7                   | 140         | 2.6%               |                             |                   | 0.55                         |                                  |
| 3                                              | 60            | 0.5%               | 8                   | 160         | 4.0%               |                             |                   | RF Po (*Max)                 |                                  |
| 4                                              | 80            | 0.5%               | 9                   | 180         | 3.7%               |                             |                   |                              |                                  |
| 5                                              | 100           | 0.6%               | 10                  | 200         | 2.9%               |                             |                   |                              |                                  |
|                                                |               |                    |                     |             |                    |                             |                   | 12.0                         |                                  |

**Table 116**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                          |                                |                    |                                                                  |       |                   |                              |                                  |
|------------------------------------------------|----------|-------------------------|--------------------------|--------------------------------|--------------------|------------------------------------------------------------------|-------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm)      | E/H Field                      | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                          |                                |                    | Back                                                             | Front |                   |                              |                                  |
| Roof (cnt)                                     | HAF4017A | 5.15                    | Highest Reading          | E                              | 0.75               | 0.013                                                            | 0.013 | 11.70             | 0.013                        | 0.01                             |
| Measurement Grid                               |          |                         |                          |                                |                    |                                                                  |       |                   |                              |                                  |
| Test Position                                  |          | % of Control Limit Head | % of Control Limit Chest | % of Control Limit Lower Trunk |                    | IEEE Controlled Limit:                                           |       |                   | 2.75                         |                                  |
| Back Seat                                      |          | 0.4%                    | 0.4%                     | 0.6%                           |                    | IEEE Uncontrolled Limit:                                         |       |                   | 0.55                         |                                  |
| Front Seat                                     |          | 0.5%                    | 0.4%                     | 0.5%                           |                    |                                                                  |       | RF Po (*Max):     | 12.0                         |                                  |

**Table 117**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                             |                   |                              |                                  |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                    | RRA4914B      | 5.15               | 30                  | E           | 0.75               | 0.053                       | 11.20             | 0.053                        | 0.06                             |
| Measurement Grid                              |               |                    |                     |             |                    |                             |                   |                              |                                  |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit       |                   | IEEE Uncontrolled Limit      |                                  |
| 1                                             | 20            | 0.4%               | 6                   | 120         | 1.8%               | 2.70                        |                   | 0.54                         |                                  |
| 2                                             | 40            | 0.3%               | 7                   | 140         | 3.9%               |                             |                   | RF Po (*Max)                 |                                  |
| 3                                             | 60            | 0.7%               | 8                   | 160         | 5.6%               |                             |                   |                              |                                  |
| 4                                             | 80            | 0.9%               | 9                   | 180         | 3.7%               |                             |                   |                              |                                  |
| 5                                             | 100           | 1.0%               | 10                  | 200         | 1.5%               |                             |                   |                              |                                  |
|                                               |               |                    |                     |             |                    |                             |                   | 12.0                         |                                  |

**HPD**

**Table 118**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                               |          |                         | Highest Reading     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                    | RRA4914B | 5.15                    |                     | E                        | 0.75               | 0.022                                                                        | 0.019 | 11.20                    | 0.022                                    | 0.02                                         |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.70                                         |
| Back Seat                                     |          | 0.7%                    |                     | 0.7%                     |                    | 1.1%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.54                                         |
| Front Seat                                    |          | 0.7%                    |                     | 0.5%                     |                    | 0.9%                                                                         |       | RF Po (*Max):            |                                          | 12.0                                         |

**Table 119**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |               |                    |                             |                   |                              |                                  |
|------------------------------------------------|---------------|--------------------|---------------------|---------------|--------------------|-----------------------------|-------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field     | Calibration Factor | Average over Body (mW/cm^2) | Initial Power (W) | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
| Roof (cnt)                                     | RRA4914B      | 5.15               | 30                  | E             | 0.75               | 0.043                       | 11.70             | 0.043                        | 0.04                             |
| Measurement Grid                               |               |                    |                     |               |                    |                             |                   |                              |                                  |
| Test Position                                  | Height (cm)   | % of Control Limit |                     | Test Position | Height (cm)        | % of Control Limit          |                   | IEEE Controlled Limit        | IEEE Uncontrolled Limit          |
| 1                                              | 20            | 0.3%               |                     | 6             | 120                | 1.8%                        |                   | 2.75                         | 0.55                             |
| 2                                              | 40            | 0.4%               |                     | 7             | 140                | 3.1%                        |                   |                              | RF Po (*Max)                     |
| 3                                              | 60            | 0.8%               |                     | 8             | 160                | 4.3%                        |                   |                              |                                  |
| 4                                              | 80            | 0.6%               |                     | 9             | 180                | 2.2%                        |                   |                              |                                  |
| 5                                              | 100           | 0.8%               |                     | 10            | 200                | 1.4%                        |                   |                              |                                  |
|                                                |               |                    |                     |               |                    |                             |                   |                              | 12.0                             |

**Table 120**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------------------|-------|--------------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm <sup>2</sup> ) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
|                                                |          |                         | Highest Reading     |                          |                    | Back                                                                         | Front |                          |                                          |                                              |
| Roof (cnt)                                     | RRA4914B | 5.15                    |                     | E                        | 0.75               | 0.020                                                                        | 0.023 | 11.70                    | 0.023                                    | 0.02                                         |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                              |       |                          |                                          |                                              |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                               |       | IEEE Controlled Limit:   |                                          | 2.75                                         |
| Back Seat                                      |          | 0.5%                    |                     | 0.7%                     |                    | 1.0%                                                                         |       | IEEE Uncontrolled Limit: |                                          | 0.55                                         |
| Front Seat                                     |          | 1.0%                    |                     | 0.7%                     |                    | 0.8%                                                                         |       | RF Po (*Max):            |                                          | 12.0                                         |

**HPD**

**Table 121**

| External Vehicle MPE Assessment @ 809.000 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|-----------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                              | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                    | HAF4002A      | 2.15               | 30                  | E           | 0.75               | 0.045                                   | 11.20             | 0.045                                    | 0.05                                         |
| Measurement Grid                              |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                 | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                             | 20            | 0.3%               | 6                   | 120         | 1.1%               | 2.70                                    |                   | 0.54                                     |                                              |
| 2                                             | 40            | 0.5%               | 7                   | 140         | 2.7%               |                                         |                   |                                          |                                              |
| 3                                             | 60            | 0.5%               | 8                   | 160         | 4.2%               |                                         |                   |                                          |                                              |
| 4                                             | 80            | 0.6%               | 9                   | 180         | 3.3%               |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                             | 100           | 0.7%               | 10                  | 200         | 2.7%               |                                         |                   | 12.0                                     |                                              |

**Table 122**

| Internal Vehicle MPE Assessment @ 809.000 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|-----------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                              | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                               |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                    | HAF4002A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.017                                                            | 0.013 | 11.20                    | 0.017                        | 0.02                             |
| Measurement Grid                              |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                 |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.70                             |
| Back Seat                                     |          | 0.9%                    |                     | 0.3%                     |                    | 0.7%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.54                             |
| Front Seat                                    |          | 0.5%                    |                     | 0.5%                     |                    | 0.4%                                                             |       |                          | RF Po (*Max):                | 12.0                             |

**Table 123**

| External Vehicle MPE Assessment @ 823.9875 MHz |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
|------------------------------------------------|---------------|--------------------|---------------------|-------------|--------------------|-----------------------------------------|-------------------|------------------------------------------|----------------------------------------------|
| Antenna Location                               | Antenna Model | Gain (dBi)         | Meas. Distance (cm) | E/H Field   | Calibration Factor | Average over Body (mW/cm <sup>2</sup> ) | Initial Power (W) | Pwr. Density Calc. (mW/cm <sup>2</sup> ) | Pwr. Density Max Calc. (mW/cm <sup>2</sup> ) |
| Roof (cnt)                                     | HAF4002A      | 2.15               | 30                  | E           | 0.75               | 0.036                                   | 11.70             | 0.036                                    | 0.04                                         |
| Measurement Grid                               |               |                    |                     |             |                    |                                         |                   |                                          |                                              |
| Test Position                                  | Height (cm)   | % of Control Limit | Test Position       | Height (cm) | % of Control Limit | IEEE Controlled Limit                   |                   | IEEE Uncontrolled Limit                  |                                              |
| 1                                              | 20            | 0.4%               | 6                   | 120         | 1.2%               | 2.75                                    |                   | 0.55                                     |                                              |
| 2                                              | 40            | 0.3%               | 7                   | 140         | 2.3%               |                                         |                   |                                          |                                              |
| 3                                              | 60            | 0.4%               | 8                   | 160         | 3.3%               |                                         |                   |                                          |                                              |
| 4                                              | 80            | 0.6%               | 9                   | 180         | 2.1%               |                                         |                   | RF Po (*Max)                             |                                              |
| 5                                              | 100           | 0.6%               | 10                  | 200         | 1.9%               |                                         |                   | 12.0                                     |                                              |

**HPD**

**Table 124**

| Internal Vehicle MPE Assessment @ 823.9875 MHz |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
|------------------------------------------------|----------|-------------------------|---------------------|--------------------------|--------------------|------------------------------------------------------------------|-------|--------------------------|------------------------------|----------------------------------|
| Antenna Location                               | Antenna  | Gain (dBi)              | Meas. Distance (cm) | E/H Field                | Calibration Factor | Average over Head, Chest, Lower Trunk Back/Front seats (mW/cm^2) |       | Initial Power (W)        | Pwr. Density Calc. (mW/cm^2) | Pwr. Density Max Calc. (mW/cm^2) |
|                                                |          |                         |                     |                          |                    | Back                                                             | Front |                          |                              |                                  |
| Roof (cnt)                                     | HAF4002A | 2.15                    | Highest Reading     | E                        | 0.75               | 0.016                                                            | 0.014 | 11.70                    | 0.016                        | 0.02                             |
| Measurement Grid                               |          |                         |                     |                          |                    |                                                                  |       |                          |                              |                                  |
| Test Position                                  |          | % of Control Limit Head |                     | % of Control Limit Chest |                    | % of Control Limit Lower Trunk                                   |       | IEEE Controlled Limit:   |                              | 2.75                             |
| Back Seat                                      |          | 0.5%                    |                     | 0.6%                     |                    | 0.6%                                                             |       | IEEE Uncontrolled Limit: |                              | 0.55                             |
| Front Seat                                     |          | 0.6%                    |                     | 0.4%                     |                    | 0.5%                                                             |       | RF Po (*Max):            |                              | 12.0                             |