MOTOROLA SOLUTIONS

MS ISO/IEC 17025 TESTING SAMM No. 0826

CERTIFICATE 2518.05

# DECLARATION OF COMPLIANCE: MPE ASSESSMENT PCII Report Part 2 of 2

**Motorola Solutions Inc.**
**EME Test Laboratory**
Motorola Solutions Malaysia Sdn Bhd
Plot 2A, Medan Bayan Lepas,
Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

**Date of Report:** 4/23/2020
**Report Revision:** B

| | |
|---|---|
| **Responsible Engineer:** | Saw Sun Hock (EME Engineer) |
| **Report author:** | Saw Sun Hock (EME Engineer) |
| **Date(s) Tested:** | 2/17/2017-3/17/2017; 4/23/2019 - 4/24/2019, 5/7/2019, 5/9/2019, 5/13/2019 - 5/14/2019, 5/29/2019 |
| **Manufacturer:** | Futurecom Systems Group (DVR), Motorola Solutions. Inc (Mobile) |
| **Date submitted for test:** | 01/13/2017; 04/12/2019 |
| **DUT Description:** | **APX6500 7/800 MHz**: Multiple HW Encryption WiFi Interoperability Data Modem Tethering via WiFi or Cable<br>**Companion Device**: DVR UHF (380-512 MHz), Digital Vehicular Repeater |
| **Test TX mode(s):** | CW |
| **Max. Power output:** | **APX6500 7/800 MHz**: 36W (762-805 MHz), 42W (806-870 MHz); 11.22 mW (Bluetooth); 6.3 mW (Bluetooth LE); 39.8 mW (WLAN 2.4GHz 802.11b), 15.8 mW (WLAN 2.4GHz 802.11g), 12.6mW (WLAN 2.4GHz 802.11n); 15.8mW (WLAN 5GHz 802.11a/n/ac)<br>**Companion Device:** 10W (DVR UHF) |
| **TX Frequency Bands:** | **APX6500 7/800 MHz:** 762-806 MHz; 806-870 MHz; WLAN 2412-2462 MHz; WLAN 5180-5825 MHz; BT 2402-2480 MHz<br>**Companion Device:** 380-512 MHz |
| **Signaling type:** | FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz) |
| **Model(s) Tested:** | **APX6500 7/800 MHz:** M25URS9PW1BN (PMUF1969A)<br>**Companion Device**: MOBEXCOM DVRS UHF (DQPMDVR4000P, DQPMDVR5000P, DQPMDVR6000P) |
| **Model(s) Certified:** | M25URS9PW1BN (PMUF1969A), MOBEXCOM DVRS UHF (DQPMDVR4000P, DQPMDVR5000P, DQPMDVR6000P) |
| **Serial Number(s):** | 471TVF3314 (APX6500 7/800 MHz) ; 16102684, 16030465, 16102751 (DVR UHF) |
| **Applicant Name:** | Motorola Solutions Inc. |
| **Applicant Address:** | 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322 |
| **Classification:** | Occupational/Controlled Environment |
| **FCC ID:** | **APX6500 7/800 MHz**: AZ492FT7124 (769-775 MHz, 799-824 MHz, 851-869 MHz, 2402-2480 MHz, 2412-2462 MHz; 5180-5825 MHz)<br>**Companion Device**: LO6-DVRSUHF (406.1-512 MHz)<br>This report contains results that are immaterial for FCC equipment approval, which are clearly identified. |
| **IC:** | **APX6500 7/800 MHz**: 109U-92FT7124<br>**Companion Device**: 2098B-DVRSUHF<br>This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified. |

The MPE results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits. FCC rules require compliance for Passengers and Bystanders to the FCC General Population/Uncontrolled limits.

**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 4.0 of this report (no deviation from standard methods). This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc. EME Laboratory. I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-159 April 2006**
**The results and statements contained in this report pertain only to the device(s) evaluated herein.**

Tiong Nguk Ing
Digitally signed by Tiong Nguk Ing
Date: 2020.04.23 17:29:06 +08'00'

**Tiong Nguk Ing**
**Deputy Technical Manager (Approved Signatory)**
**Approval Date:** 4/23/2020

# Appendix D – MPE Test Results Summary for APX6500 7/800 MHz

## Table D.1

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS1 | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.04 | 0.51 | 8.4 | 0.24 | 17.5 |
| | | | | | | 35.2 | 769.0125 | 0.04 | 0.51 | 8.4 | 0.25 | 17.5 |
| | | | | | | 35.0 | 772.0000 | 0.05 | 0.51 | 9.2 | 0.25 | 19.1 |
| | | | | | | 34.9 | 774.9875 | 0.04 | 0.52 | 8.2 | 0.25 | 17.1 |
| | | | | | | 34.6 | 794.0125 | 0.05 | 0.53 | 9.3 | 0.25 | 19.6 |
| | | | | | | 35.5 | 799.0125 | 0.05 | 0.53 | 9.6 | 0.25 | 20.3 |
| | | | | | 42 | 42.0 | 811.5000 | 0.04 | 0.54 | 7.3 | 0.25 | 15.6 |
| | | | | | | 40.8 | 823.9875 | 0.04 | 0.55 | 6.8 | 0.26 | 14.5 |
| | | | | | | 41.8 | 851.0125 | 0.03 | 0.57 | 5.1 | 0.26 | 11.0 |
| | | | | | | 41.1 | 860.5000 | 0.04 | 0.57 | 6.9 | 0.27 | 14.8 |
| | | | | | | 41.1 | 868.9875 | 0.03 | 0.58 | 5.4 | 0.27 | 11.8 |
| Roof | BS2 | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.03 | 0.51 | 5.9 | 0.24 | 12.2 |
| | | | | | | 35.2 | 769.0125 | 0.03 | 0.51 | 5.9 | 0.25 | 12.2 |
| | | | | | | 35.0 | 772.0000 | 0.03 | 0.51 | 5.9 | 0.25 | 12.3 |
| | | | | | | 34.9 | 774.9875 | 0.03 | 0.52 | 5.2 | 0.25 | 11.0 |
| | | | | | | 34.6 | 794.0125 | 0.03 | 0.53 | 5.2 | 0.25 | 10.9 |
| | | | | | | 35.5 | 799.0125 | 0.03 | 0.53 | 4.9 | 0.25 | 10.4 |
| | | | | | 42 | 42.0 | 811.5000 | 0.02 | 0.54 | 4.4 | 0.25 | 9.3 |
| | | | | | | 40.8 | 823.9875 | 0.03 | 0.55 | 5.4 | 0.26 | 11.6 |
| | | | | | | 41.8 | 851.0125 | 0.03 | 0.57 | 5.0 | 0.26 | 10.7 |
| | | | | | | 41.1 | 860.5000 | 0.03 | 0.57 | 5.7 | 0.27 | 12.3 |
| | | | | | | 41.1 | 868.9875 | 0.03 | 0.58 | 4.5 | 0.27 | 9.7 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS3 | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 2.3 | 0.24 | 4.8 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 2.3 | 0.25 | 4.8 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 2.2 | 0.25 | 4.7 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.9 | 0.25 | 4.1 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 2.9 | 0.25 | 6.2 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 2.8 | 0.25 | 6.0 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.5 | 0.25 | 5.2 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 2.9 | 0.26 | 6.1 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 2.3 | 0.26 | 5.1 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 2.3 | 0.27 | 4.9 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 2.5 | 0.27 | 5.4 |
| Roof | BS4 | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.4 | 0.24 | 2.9 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 1.4 | 0.25 | 2.9 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.3 | 0.25 | 2.7 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.3 | 0.25 | 2.8 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.2 | 0.25 | 2.5 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.2 | 0.25 | 2.4 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.0 | 0.25 | 2.1 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.2 | 0.26 | 2.6 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.1 | 0.26 | 2.3 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.4 | 0.27 | 3.1 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.1 | 0.27 | 2.5 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS5 | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.1 | 0.24 | 2.2 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 1.1 | 0.25 | 2.2 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.4 | 0.25 | 2.9 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.4 | 0.25 | 3.0 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.5 | 0.25 | 3.1 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.9 | 0.25 | 3.9 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.8 | 0.25 | 3.9 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.0 | 0.26 | 2.2 |
| | | | | | | 41.8 | 851.0125 | 0.004 | 0.57 | 0.7 | 0.26 | 1.6 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 0.9 | 0.27 | 1.9 |
| | | | | | | 41.1 | 868.9875 | 0.004 | 0.58 | 0.7 | 0.27 | 1.5 |
| Roof | BS1 | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.03 | 0.51 | 5.8 | 0.24 | 12.1 |
| | | | | | | 35.2 | 769.0125 | 0.03 | 0.51 | 5.8 | 0.25 | 12.1 |
| | | | | | | 35.0 | 772.0000 | 0.03 | 0.51 | 6.6 | 0.25 | 13.7 |
| | | | | | | 34.9 | 774.9875 | 0.03 | 0.52 | 6.2 | 0.25 | 13.0 |
| | | | | | | 34.6 | 794.0125 | 0.05 | 0.53 | 8.7 | 0.25 | 18.4 |
| | | | | | | 35.5 | 799.0125 | 0.05 | 0.53 | 9.7 | 0.25 | 20.5 |
| | | | | | 42 | 42.0 | 811.5000 | 0.04 | 0.54 | 7.9 | 0.25 | 16.8 |
| | | | | | | 40.8 | 823.9875 | 0.04 | 0.55 | 6.7 | 0.26 | 14.4 |
| | | | | | | 41.8 | 851.0125 | 0.02 | 0.57 | 4.1 | 0.26 | 8.9 |
| | | | | | | 41.1 | 860.5000 | 0.03 | 0.57 | 5.0 | 0.27 | 10.8 |
| | | | | | | 41.1 | 868.9875 | 0.03 | 0.58 | 4.4 | 0.27 | 9.6 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS2 | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.02 | 0.51 | 3.5 | 0.24 | 7.2 |
| | | | | | | 35.2 | 769.0125 | 0.02 | 0.51 | 3.3 | 0.25 | 7.0 |
| | | | | | | 35.0 | 772.0000 | 0.02 | 0.51 | 3.6 | 0.25 | 7.6 |
| | | | | | | 34.9 | 774.9875 | 0.02 | 0.52 | 3.8 | 0.25 | 8.0 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 3.9 | 0.25 | 8.2 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 4.0 | 0.25 | 8.4 |
| | | | | | 42 | 42.0 | 811.5000 | 0.02 | 0.54 | 3.6 | 0.25 | 7.7 |
| | | | | | | 40.8 | 823.9875 | 0.03 | 0.55 | 5.3 | 0.26 | 11.2 |
| | | | | | | 41.8 | 851.0125 | 0.03 | 0.57 | 4.7 | 0.26 | 10.1 |
| | | | | | | 41.1 | 860.5000 | 0.03 | 0.57 | 5.1 | 0.27 | 11.1 |
| | | | | | | 41.1 | 868.9875 | 0.02 | 0.58 | 3.7 | 0.27 | 8.1 |
| Roof | BS3 | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.4 | 0.24 | 2.9 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 1.4 | 0.25 | 2.9 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.4 | 0.25 | 3.0 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.3 | 0.25 | 2.6 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 3.4 | 0.25 | 7.2 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 3.4 | 0.25 | 7.2 |
| | | | | | 42 | 42.0 | 811.5000 | 0.02 | 0.54 | 4.6 | 0.25 | 9.8 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 4.2 | 0.26 | 8.9 |
| | | | | | | 41.8 | 851.0125 | 0.02 | 0.57 | 3.9 | 0.26 | 8.4 |
| | | | | | | 41.1 | 860.5000 | 0.02 | 0.57 | 3.0 | 0.27 | 6.5 |
| | | | | | | 41.1 | 868.9875 | 0.02 | 0.58 | 3.7 | 0.27 | 8.1 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS4 | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.004 | 0.51 | 0.9 | 0.24 | 1.8 |
| | | | | | | 35.2 | 769.0125 | 0.004 | 0.51 | 0.9 | 0.25 | 1.8 |
| | | | | | | 35.0 | 772.0000 | 0.004 | 0.51 | 0.8 | 0.25 | 1.8 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.2 | 0.25 | 2.5 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.4 | 0.25 | 3.0 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.3 | 0.25 | 2.7 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.3 | 0.25 | 2.8 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.7 | 0.26 | 3.7 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 2.1 | 0.26 | 4.6 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 2.4 | 0.27 | 5.2 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.8 | 0.27 | 3.8 |
| Roof | BS5 | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.004 | 0.51 | 0.8 | 0.24 | 1.8 |
| | | | | | | 35.2 | 769.0125 | 0.004 | 0.51 | 0.8 | 0.25 | 1.7 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.3 | 0.25 | 2.7 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.3 | 0.25 | 2.8 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.8 | 0.25 | 3.8 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 2.7 | 0.25 | 5.6 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.2 | 0.25 | 4.7 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 2.2 | 0.26 | 4.6 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.4 | 0.26 | 3.0 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.4 | 0.27 | 2.9 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.3 | 0.27 | 2.8 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS1 | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.04 | 0.51 | 8.2 | 0.24 | 17.1 |
| | | | | | | 35.2 | 769.0125 | 0.04 | 0.51 | 8.1 | 0.25 | 16.9 |
| | | | | | | 35.0 | 772.0000 | 0.04 | 0.51 | 8.1 | 0.25 | 17.0 |
| | | | | | | 34.9 | 774.9875 | 0.04 | 0.52 | 8.0 | 0.25 | 16.8 |
| | | | | | | 34.6 | 794.0125 | 0.05 | 0.53 | 9.2 | 0.25 | 19.4 |
| | | | | | | 35.5 | 799.0125 | 0.05 | 0.53 | 9.7 | 0.25 | 20.5 |
| | | | | | 42 | 42.0 | 811.5000 | 0.04 | 0.54 | 7.4 | 0.25 | 15.6 |
| | | | | | | 40.8 | 823.9875 | 0.04 | 0.55 | 6.8 | 0.26 | 14.5 |
| | | | | | | 41.8 | 851.0125 | 0.03 | 0.57 | 4.6 | 0.26 | 9.9 |
| | | | | | | 41.1 | 860.5000 | 0.04 | 0.57 | 6.2 | 0.27 | 13.5 |
| | | | | | | 41.1 | 868.9875 | 0.03 | 0.58 | 4.9 | 0.27 | 10.6 |
| Roof | BS2 | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.03 | 0.51 | 5.6 | 0.24 | 11.7 |
| | | | | | | 35.2 | 769.0125 | 0.03 | 0.51 | 5.6 | 0.25 | 11.7 |
| | | | | | | 35.0 | 772.0000 | 0.03 | 0.51 | 5.6 | 0.25 | 11.7 |
| | | | | | | 34.9 | 774.9875 | 0.03 | 0.52 | 5.0 | 0.25 | 10.5 |
| | | | | | | 34.6 | 794.0125 | 0.03 | 0.53 | 5.0 | 0.25 | 10.6 |
| | | | | | | 35.5 | 799.0125 | 0.03 | 0.53 | 4.7 | 0.25 | 10.0 |
| | | | | | 42 | 42.0 | 811.5000 | 0.02 | 0.54 | 3.9 | 0.25 | 8.4 |
| | | | | | | 40.8 | 823.9875 | 0.03 | 0.55 | 5.0 | 0.26 | 10.7 |
| | | | | | | 41.8 | 851.0125 | 0.02 | 0.57 | 4.1 | 0.26 | 8.9 |
| | | | | | | 41.1 | 860.5000 | 0.03 | 0.57 | 4.8 | 0.27 | 10.3 |
| | | | | | | 41.1 | 868.9875 | 0.02 | 0.58 | 3.7 | 0.27 | 8.0 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS3 | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 2.4 | 0.24 | 5.0 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 2.4 | 0.25 | 5.0 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 2.4 | 0.25 | 5.0 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 2.1 | 0.25 | 4.5 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 2.9 | 0.25 | 6.2 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 2.7 | 0.25 | 5.8 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.5 | 0.25 | 5.3 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 3.0 | 0.26 | 6.3 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 2.1 | 0.26 | 4.6 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 2.4 | 0.27 | 5.1 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 2.5 | 0.27 | 5.3 |
| Roof | BS4 | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.5 | 0.24 | 3.1 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 1.5 | 0.25 | 3.0 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.3 | 0.25 | 2.8 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.5 | 0.25 | 3.0 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.2 | 0.25 | 2.5 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.2 | 0.25 | 2.6 |
| | | | | | 42 | 42.0 | 811.5000 | 0.005 | 0.54 | 0.9 | 0.25 | 2.0 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.1 | 0.26 | 2.4 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.1 | 0.26 | 2.3 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.3 | 0.27 | 2.9 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.1 | 0.27 | 2.4 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS5 | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.4 | 0.24 | 3.0 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 1.4 | 0.25 | 2.9 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.9 | 0.25 | 3.9 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.9 | 0.25 | 3.9 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.7 | 0.25 | 3.5 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 2.1 | 0.25 | 4.5 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.4 | 0.25 | 3.1 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.3 | 0.26 | 2.8 |
| | | | | | | 41.8 | 851.0125 | 0.004 | 0.57 | 0.8 | 0.26 | 1.6 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 0.9 | 0.27 | 2.0 |
| | | | | | | 41.1 | 868.9875 | 0.004 | 0.58 | 0.7 | 0.27 | 1.6 |
| Roof | BS1 | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.05 | 0.51 | 9.2 | 0.24 | 19.2 |
| | | | | | | 35.2 | 769.0125 | 0.05 | 0.51 | 9.2 | 0.25 | 19.1 |
| | | | | | | 35.0 | 772.0000 | 0.05 | 0.51 | 10.2 | 0.25 | 21.4 |
| | | | | | | 34.9 | 774.9875 | 0.05 | 0.52 | 9.2 | 0.25 | 19.2 |
| | | | | | | 34.6 | 794.0125 | 0.06 | 0.53 | 11.4 | 0.25 | 24.1 |
| | | | | | | 35.5 | 799.0125 | 0.07 | 0.53 | 12.2 | 0.25 | 25.8 |
| | | | | | 42 | 42.0 | 811.5000 | 0.05 | 0.54 | 8.4 | 0.25 | 17.8 |
| | | | | | | 40.8 | 823.9875 | 0.04 | 0.55 | 8.0 | 0.26 | 17.0 |
| | | | | | | 41.8 | 851.0125 | 0.02 | 0.57 | 4.3 | 0.26 | 9.3 |
| | | | | | | 41.1 | 860.5000 | 0.04 | 0.57 | 6.2 | 0.27 | 13.4 |
| | | | | | | 41.1 | 868.9875 | 0.03 | 0.58 | 4.4 | 0.27 | 9.6 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS2 | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.04 | 0.51 | 7.5 | 0.24 | 15.6 |
| | | | | | | 35.2 | 769.0125 | 0.04 | 0.51 | 7.4 | 0.25 | 15.4 |
| | | | | | | 35.0 | 772.0000 | 0.04 | 0.51 | 7.4 | 0.25 | 15.5 |
| | | | | | | 34.9 | 774.9875 | 0.04 | 0.52 | 6.9 | 0.25 | 14.3 |
| | | | | | | 34.6 | 794.0125 | 0.03 | 0.53 | 6.3 | 0.25 | 13.2 |
| | | | | | | 35.5 | 799.0125 | 0.03 | 0.53 | 6.2 | 0.25 | 13.1 |
| | | | | | 42 | 42.0 | 811.5000 | 0.03 | 0.54 | 4.8 | 0.25 | 10.2 |
| | | | | | | 40.8 | 823.9875 | 0.04 | 0.55 | 6.5 | 0.26 | 14.0 |
| | | | | | | 41.8 | 851.0125 | 0.03 | 0.57 | 4.6 | 0.26 | 10.0 |
| | | | | | | 41.1 | 860.5000 | 0.03 | 0.57 | 5.9 | 0.27 | 12.7 |
| | | | | | | 41.1 | 868.9875 | 0.02 | 0.58 | 4.1 | 0.27 | 9.0 |
| Roof | BS3 | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.02 | 0.51 | 4.2 | 0.24 | 8.7 |
| | | | | | | 35.2 | 769.0125 | 0.02 | 0.51 | 4.2 | 0.25 | 8.9 |
| | | | | | | 35.0 | 772.0000 | 0.02 | 0.51 | 4.0 | 0.25 | 8.3 |
| | | | | | | 34.9 | 774.9875 | 0.02 | 0.52 | 3.6 | 0.25 | 7.6 |
| | | | | | | 34.6 | 794.0125 | 0.03 | 0.53 | 5.1 | 0.25 | 10.8 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 4.7 | 0.25 | 9.9 |
| | | | | | 42 | 42.0 | 811.5000 | 0.02 | 0.54 | 4.1 | 0.25 | 8.6 |
| | | | | | | 40.8 | 823.9875 | 0.03 | 0.55 | 4.9 | 0.26 | 10.4 |
| | | | | | | 41.8 | 851.0125 | 0.02 | 0.57 | 3.1 | 0.26 | 6.7 |
| | | | | | | 41.1 | 860.5000 | 0.02 | 0.57 | 3.6 | 0.27 | 7.7 |
| | | | | | | 41.1 | 868.9875 | 0.02 | 0.58 | 3.2 | 0.27 | 7.0 |

## Table D.1 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | BS4 | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 2.9 | 0.24 | 6.1 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 2.9 | 0.25 | 6.0 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 2.6 | 0.25 | 5.4 |
| | | | | | | 34.9 | 774.9875 | 0.02 | 0.52 | 2.9 | 0.25 | 6.1 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 2.7 | 0.25 | 5.7 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 2.7 | 0.25 | 5.8 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.6 | 0.25 | 3.4 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 2.0 | 0.26 | 4.3 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.7 | 0.26 | 3.6 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 2.2 | 0.27 | 4.7 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.7 | 0.27 | 3.6 |
| Roof | BS5 | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 2.6 | 0.24 | 5.3 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 2.6 | 0.25 | 5.4 |
| | | | | | | 35.0 | 772.0000 | 0.02 | 0.51 | 3.6 | 0.25 | 7.5 |
| | | | | | | 34.9 | 774.9875 | 0.02 | 0.52 | 3.4 | 0.25 | 7.2 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 3.0 | 0.25 | 6.4 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 3.8 | 0.25 | 8.0 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.5 | 0.25 | 5.3 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 2.5 | 0.26 | 5.3 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.2 | 0.26 | 2.6 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.5 | 0.27 | 3.2 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.2 | 0.27 | 2.7 |

## Table D.2

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Passenger

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | PB | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.02 | 0.51 | 3.2 | 0.24 | 6.7 |
| | | | | | | 35.2 | 769.0125 | 0.02 | 0.51 | 3.2 | 0.25 | 6.6 |
| | | | | | | 35.0 | 772.0000 | 0.02 | 0.51 | 3.5 | 0.25 | 7.4 |
| | | | | | | 34.9 | 774.9875 | 0.02 | 0.52 | 3.6 | 0.25 | 7.4 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 3.3 | 0.25 | 7.0 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 2.9 | 0.25 | 6.2 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.5 | 0.25 | 5.2 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 2.9 | 0.26 | 6.1 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.2 | 0.26 | 2.7 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.8 | 0.27 | 3.9 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.4 | 0.27 | 3.1 |
| Roof | PB | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.001 | 0.51 | 0.3 | 0.24 | 0.6 |
| | | | | | | 35.2 | 769.0125 | 0.002 | 0.51 | 0.3 | 0.25 | 0.6 |
| | | | | | | 35.0 | 772.0000 | 0.001 | 0.51 | 0.3 | 0.25 | 0.6 |
| | | | | | | 34.9 | 774.9875 | 0.001 | 0.52 | 0.2 | 0.25 | 0.5 |
| | | | | | | 34.6 | 794.0125 | 0.004 | 0.53 | 0.8 | 0.25 | 1.6 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.0 | 0.25 | 2.2 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.9 | 0.25 | 4.1 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 2.3 | 0.26 | 5.0 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.9 | 0.26 | 4.0 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.3 | 0.27 | 2.8 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.8 | 0.27 | 4.0 |

## Table D.2 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Passenger

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | PB | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.02 | 0.51 | 3.1 | 0.24 | 6.5 |
| | | | | | | 35.2 | 769.0125 | 0.02 | 0.51 | 3.5 | 0.25 | 7.3 |
| | | | | | | 35.0 | 772.0000 | 0.02 | 0.51 | 3.3 | 0.25 | 6.8 |
| | | | | | | 34.9 | 774.9875 | 0.02 | 0.52 | 3.3 | 0.25 | 6.8 |
| | | | | | | 34.6 | 794.0125 | 0.02 | 0.53 | 3.6 | 0.25 | 7.6 |
| | | | | | | 35.5 | 799.0125 | 0.02 | 0.53 | 2.9 | 0.25 | 6.2 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.2 | 0.25 | 4.6 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 3.4 | 0.26 | 7.2 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.6 | 0.26 | 3.5 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.5 | 0.27 | 3.3 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.6 | 0.27 | 3.4 |
| Roof | PB | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.03 | 0.51 | 5.8 | 0.24 | 12.1 |
| | | | | | | 35.2 | 769.0125 | 0.03 | 0.51 | 5.2 | 0.25 | 10.9 |
| | | | | | | 35.0 | 772.0000 | 0.03 | 0.51 | 5.5 | 0.25 | 11.5 |
| | | | | | | 34.9 | 774.9875 | 0.03 | 0.52 | 5.5 | 0.25 | 11.6 |
| | | | | | | 34.6 | 794.0125 | 0.03 | 0.53 | 5.4 | 0.25 | 11.3 |
| | | | | | | 35.5 | 799.0125 | 0.03 | 0.53 | 5.0 | 0.25 | 10.6 |
| | | | | | 42 | 42.0 | 811.5000 | 0.02 | 0.54 | 3.8 | 0.25 | 8.1 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 3.9 | 0.26 | 8.4 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 2.1 | 0.26 | 4.6 |
| | | | | | | 41.1 | 860.5000 | 0.02 | 0.57 | 3.3 | 0.27 | 7.2 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 2.0 | 0.27 | 4.4 |

## Table D.2 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Passenger

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | PF | E | 1 | HAF4013A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.7 | 0.24 | 3.4 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 2.0 | 0.25 | 4.1 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.8 | 0.25 | 3.9 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.9 | 0.25 | 4.1 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.4 | 0.25 | 3.0 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.3 | 0.25 | 2.7 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.4 | 0.25 | 3.0 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.8 | 0.26 | 3.9 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.5 | 0.26 | 3.2 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.6 | 0.27 | 3.4 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.3 | 0.27 | 2.8 |
| Roof | PF | E | 2 | HAF4014A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.002 | 0.51 | 0.3 | 0.24 | 0.6 |
| | | | | | | 35.2 | 769.0125 | 0.002 | 0.51 | 0.3 | 0.25 | 0.7 |
| | | | | | | 35.0 | 772.0000 | 0.002 | 0.51 | 0.4 | 0.25 | 0.8 |
| | | | | | | 34.9 | 774.9875 | 0.002 | 0.52 | 0.3 | 0.25 | 0.6 |
| | | | | | | 34.6 | 794.0125 | 0.003 | 0.53 | 0.6 | 0.25 | 1.2 |
| | | | | | | 35.5 | 799.0125 | 0.004 | 0.53 | 0.7 | 0.25 | 1.4 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.1 | 0.25 | 2.4 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.5 | 0.26 | 3.2 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 2.0 | 0.26 | 4.4 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.8 | 0.27 | 4.0 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.4 | 0.27 | 3.1 |

## Table D.2 (Continued)

MPE assessment for APX6500 7/800MHz - roof mounted antenna – Passenger

Note:
Blue fonts: Frequencies not regulated by FCC.

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Roof | PF | E | 3 | HAF4016A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.01 | 0.51 | 1.8 | 0.24 | 3.7 |
| | | | | | | 35.2 | 769.0125 | 0.01 | 0.51 | 1.9 | 0.25 | 4.0 |
| | | | | | | 35.0 | 772.0000 | 0.01 | 0.51 | 1.4 | 0.25 | 3.0 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 1.6 | 0.25 | 3.4 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 1.3 | 0.25 | 2.8 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 1.3 | 0.25 | 2.8 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 1.4 | 0.25 | 3.0 |
| | | | | | | 40.8 | 823.9875 | 0.01 | 0.55 | 1.9 | 0.26 | 4.1 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 1.4 | 0.26 | 3.1 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 1.4 | 0.27 | 3.1 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.2 | 0.27 | 2.5 |
| Roof | PF | E | 4 | HAF4017A, 1/4 Wave, (762-870MHz) | 36 | 35.2 | 762.0125 | 0.02 | 0.51 | 3.5 | 0.24 | 7.4 |
| | | | | | | 35.2 | 769.0125 | 0.02 | 0.51 | 3.4 | 0.25 | 7.2 |
| | | | | | | 35.0 | 772.0000 | 0.02 | 0.51 | 3.3 | 0.25 | 6.9 |
| | | | | | | 34.9 | 774.9875 | 0.01 | 0.52 | 2.8 | 0.25 | 5.9 |
| | | | | | | 34.6 | 794.0125 | 0.01 | 0.53 | 2.8 | 0.25 | 5.9 |
| | | | | | | 35.5 | 799.0125 | 0.01 | 0.53 | 2.3 | 0.25 | 4.8 |
| | | | | | 42 | 42.0 | 811.5000 | 0.01 | 0.54 | 2.1 | 0.25 | 4.4 |
| | | | | | | 40.8 | 823.9875 | 0.02 | 0.55 | 3.0 | 0.26 | 6.4 |
| | | | | | | 41.8 | 851.0125 | 0.01 | 0.57 | 2.1 | 0.26 | 4.5 |
| | | | | | | 41.1 | 860.5000 | 0.01 | 0.57 | 2.0 | 0.27 | 4.3 |
| | | | | | | 41.1 | 868.9875 | 0.01 | 0.58 | 1.5 | 0.27 | 3.3 |

# Table E.3

## APX6500 7/800MHz MPE Results for FCC

Note:
Blue fonts: Frequencies not regulated by FCC.

| **P**max (W) 36, 52 | **P**initial (W) | 35.2 | 35.2 | 35.0 | 34.9 | 34.6 | 35.5 | 42.0 | 40.8 | 41.8 | 41.1 | 41.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **FCC**Limit (mW/cm^2) | 0.51 | 0.51 | 0.51 | 0.52 | 0.53 | 0.53 | 0.54 | 0.55 | 0.57 | 0.57 | 0.58 |

| Table | Test Post. | Trunk / Roof | E/H Field | Antenna No. | F1 | F2 | F3 | F4 | F5 | F6 | F7 | F8 | F9 | F10 | F11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 762.0125 | 769.0125 | 772.0000 | 774.9875 | 794.0125 | 799.0125 | 811.5000 | 823.9875 | 851.0125 | 860.5000 | 868.9875 |
| D.1 | BS1 | Roof | E | 1 | 0.04 | 0.04 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.04 | 0.03 |
| D.1 | BS2 | Roof | E | 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 |
| D.1 | BS3 | Roof | E | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |
| D.1 | BS4 | Roof | E | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.1 | BS5 | Roof | E | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | 0.004 |
| | | | | | | | | | | | | | | | |
| D.1 | BS1 | Roof | E | 2 | 0.03 | 0.03 | 0.03 | 0.03 | 0.05 | 0.05 | 0.04 | 0.04 | 0.02 | 0.03 | 0.03 |
| D.1 | BS2 | Roof | E | 2 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.02 |
| D.1 | BS3 | Roof | E | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| D.1 | BS4 | Roof | E | 2 | 0.004 | 0.004 | 0.004 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.1 | BS5 | Roof | E | 2 | 0.004 | 0.004 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | | | | | | | | | | | | | | | |
| D.1 | BS1 | Roof | E | 3 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.04 | 0.03 |
| D.1 | BS2 | Roof | E | 3 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | 0.02 |
| D.1 | BS3 | Roof | E | 3 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |
| D.1 | BS4 | Roof | E | 3 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.005 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.1 | BS5 | Roof | E | 3 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.004 | 0.01 | 0.004 |
| | | | | | | | | | | | | | | | |
| D.1 | BS1 | Roof | E | 4 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.07 | 0.05 | 0.04 | 0.02 | 0.04 | 0.03 |
| D.1 | BS2 | Roof | E | 4 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.02 |
| D.1 | BS3 | Roof | E | 4 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 |
| D.1 | BS4 | Roof | E | 4 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.1 | BS5 | Roof | E | 4 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | | | | | | | | | | | | | | | |
| D.2 | PB | Roof | E | 1 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |
| D.2 | PB | Roof | E | 2 | 0.001 | 0.002 | 0.001 | 0.001 | 0.004 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.2 | PB | Roof | E | 3 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |
| D.2 | PB | Roof | E | 4 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 |
| | | | | | | | | | | | | | | | |
| D.2 | PF | Roof | E | 1 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.2 | PF | Roof | E | 2 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.004 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.2 | PF | Roof | E | 3 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| D.2 | PF | Roof | E | 4 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |

# Appendix E – MPE Test Results Summary for Companion Device (DVR UHF)

## Table E.1

MPE assessment for DVR UHF - trunk mounted antenna - Bystander

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trunk | BS1 | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.005 | 0.27 | 1.9 | 0.16 | 3.3 |
| | | | | | | 9.90 | 417.5000 | 0.006 | 0.28 | 2.1 | 0.16 | 3.6 |
| | | | | | | 9.60 | 429.9875 | 0.007 | 0.29 | 2.5 | 0.17 | 4.4 |
| Trunk | BS2 | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.016 | 0.27 | 5.8 | 0.16 | 9.8 |
| | | | | | | 9.90 | 417.5000 | 0.015 | 0.28 | 5.4 | 0.16 | 9.2 |
| | | | | | | 9.60 | 429.9875 | 0.015 | 0.29 | 5.2 | 0.17 | 9.0 |
| Trunk | BS3 | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.021 | 0.27 | 7.9 | 0.16 | 13.5 |
| | | | | | | 9.90 | 417.5000 | 0.021 | 0.28 | 7.4 | 0.16 | 12.8 |
| | | | | | | 9.60 | 429.9875 | 0.026 | 0.29 | 9.0 | 0.17 | 15.6 |
| Trunk | BS4 | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.041 | 0.27 | **15.2** | 0.16 | 25.9 |
| | | | | | | 9.90 | 417.5000 | 0.039 | 0.28 | 14.0 | 0.16 | 24.2 |
| | | | | | | 9.60 | 429.9875 | 0.035 | 0.29 | 12.4 | 0.17 | 21.4 |
| Trunk | BS5 | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.036 | 0.27 | 13.2 | 0.16 | 22.5 |
| | | | | | | 9.90 | 417.5000 | 0.026 | 0.28 | 9.3 | 0.16 | 16.0 |
| | | | | | | 9.60 | 429.9875 | 0.023 | 0.29 | 8.1 | 0.17 | 14.1 |
| Trunk | BS1 | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.005 | 0.30 | 1.6 | 0.17 | 2.8 |
| | | | | | | 9.90 | 460.0000 | 0.004 | 0.31 | 1.2 | 0.17 | 2.2 |
| | | | | | | 10.00 | 470.0000 | 0.003 | 0.31 | 0.9 | 0.18 | 1.5 |
| Trunk | BS2 | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.006 | 0.30 | 2.1 | 0.17 | 3.8 |
| | | | | | | 9.90 | 460.0000 | 0.007 | 0.31 | 2.3 | 0.17 | 4.0 |
| | | | | | | 10.00 | 470.0000 | 0.006 | 0.31 | 2.0 | 0.18 | 3.6 |
| Trunk | BS3 | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.014 | 0.30 | 4.6 | 0.17 | 8.1 |
| | | | | | | 9.90 | 460.0000 | 0.013 | 0.31 | 4.3 | 0.17 | 7.6 |
| | | | | | | 10.00 | 470.0000 | 0.014 | 0.31 | 4.3 | 0.18 | 7.7 |
| Trunk | BS4 | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.022 | 0.30 | 7.5 | 0.17 | 13.1 |
| | | | | | | 9.90 | 460.0000 | 0.018 | 0.31 | 5.9 | 0.17 | 10.5 |
| | | | | | | 10.00 | 470.0000 | 0.019 | 0.31 | 6.1 | 0.18 | 10.9 |

Note:
Results in bold font are configurations with highest percentage of limits.

## Table E.1 (Continued)

MPE assessment for DVR UHF - trunk mounted antenna - Bystander

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trunk | BS5 | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.014 | 0.30 | 4.6 | 0.17 | 8.1 |
| | | | | | | 9.90 | 460.0000 | 0.013 | 0.31 | 4.3 | 0.17 | 7.7 |
| | | | | | | 10.00 | 470.0000 | 0.014 | 0.31 | 4.6 | 0.18 | 8.1 |
| Trunk | BS1 | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.003 | 0.31 | 0.9 | 0.18 | 1.6 |
| | | | | | | 9.61 | 484.0000 | 0.003 | 0.32 | 0.9 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.003 | 0.33 | 0.8 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.004 | 0.34 | 1.0 | NA | NA |
| Trunk | BS2 | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.005 | 0.31 | 1.7 | 0.18 | 3.1 |
| | | | | | | 9.61 | 484.0000 | 0.007 | 0.32 | 2.3 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.009 | 0.33 | 2.6 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.012 | 0.34 | 3.6 | NA | NA |
| Trunk | BS3 | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.013 | 0.31 | 4.2 | 0.18 | 7.5 |
| | | | | | | 9.61 | 484.0000 | 0.014 | 0.32 | 4.4 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.012 | 0.33 | 3.8 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.012 | 0.34 | 3.6 | NA | NA |
| Trunk | BS4 | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.017 | 0.31 | 5.5 | 0.18 | 9.7 |
| | | | | | | 9.61 | 484.0000 | 0.019 | 0.32 | 5.9 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.018 | 0.33 | 5.4 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.018 | 0.34 | 5.3 | NA | NA |
| Trunk | BS5 | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.016 | 0.31 | 5.0 | 0.18 | 9.0 |
| | | | | | | 9.61 | 484.0000 | 0.018 | 0.32 | 5.6 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.016 | 0.33 | 4.8 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.015 | 0.34 | 4.3 | NA | NA |

Note:
Results in bold font are configurations with highest percentage of limits.

## Table E.2

MPE assessment for DVR UHF– trunk mounted antenna - Passenger

| Trunk / Roof | Test Post. | E/H Field | Antenna No. | Antenna Model | Max Pwr (W) | Initial Pwr (W) | Tx Freq (MHz) | Max Calc. P.D. (mW/cm^2) | FCC Limit | % To FCC Spec Limit | ISED Limit | % To ISED Spec Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trunk | PB | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.104 | 0.27 | 38.4 | 0.16 | 65.4 |
| | | | | | | 9.90 | 417.5000 | 0.092 | 0.28 | 32.9 | 0.16 | 56.6 |
| | | | | | | 9.60 | 429.9875 | 0.065 | 0.29 | 22.5 | 0.17 | 39.1 |
| Trunk | PF | E | 9 | HAE6012A, 1/4 Wave (380-433MHz) | 10.0 | 9.68 | 406.5000 | 0.044 | 0.27 | 16.1 | 0.16 | 27.5 |
| | | | | | | 9.90 | 417.5000 | 0.028 | 0.28 | 10.2 | 0.16 | 17.5 |
| | | | | | | 9.60 | 429.9875 | 0.035 | 0.29 | 12.2 | 0.17 | 21.2 |
| Trunk | PB | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.153 | 0.30 | 51.1 | 0.17 | 90.0 |
| | | | | | | 9.90 | 460.0000 | 0.163 | 0.31 | **53.0** | 0.17 | 94.1 |
| | | | | | | 10.00 | 470.0000 | 0.121 | 0.31 | 38.5 | 0.18 | 68.7 |
| Trunk | PF | E | 10 | HAE4003A, 1/4 Wave (450-470MHz) | 10.0 | 9.96 | 450.0000 | 0.038 | 0.30 | 12.5 | 0.17 | 22.0 |
| | | | | | | 9.90 | 460.0000 | 0.043 | 0.31 | 14.0 | 0.17 | 24.9 |
| | | | | | | 10.00 | 470.0000 | 0.039 | 0.31 | 12.5 | 0.18 | 22.3 |
| Trunk | PB | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.136 | 0.31 | 43.3 | 0.18 | 77.2 |
| | | | | | | 9.61 | 484.0000 | 0.158 | 0.32 | 49.0 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.095 | 0.33 | 28.6 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.144 | 0.34 | 42.1 | NA | NA |
| Trunk | PF | E | 11 | HAE4004A, 1/4 Wave (470-512MHz) | 10.0 | 10.00 | 470.0000 | 0.031 | 0.31 | 9.7 | 0.18 | 17.4 |
| | | | | | | 9.61 | 484.0000 | 0.028 | 0.32 | 8.7 | NA | NA |
| | | | | | | 9.83 | 498.0000 | 0.033 | 0.33 | 10.0 | NA | NA |
| | | | | | | 9.75 | 512.0000 | 0.037 | 0.34 | 10.8 | NA | NA |

Note:
Results in bold font are configurations with highest percentage of limits.

# Table E.3
# DVR UHF MPE Results for FCC

| Pmax (W) | 10 | Pinitial (W) | 9.68 | 9.90 | 9.60 | 9.96 | 9.90 | 10.00 | 9.61 | 9.83 | 9.75 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FCCLimit (mW/cm^2) | 0.27 | 0.28 | 0.29 | 0.30 | 0.31 | 0.31 | 0.32 | 0.33 | 0.34 |

| Table | Test Post. | Angle | Trunk / Roof | E/H Field | Antenna No. | f3 406.5000 | f4 417.5000 | f5 429.9875 | f6 450.0000 | f7 460.0000 | f8 470.0000 | f9 484.0000 | f10 498.0000 | f11 512.0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E.1 | BS1 | | Trunk | E | 9 | 0.005 | 0.006 | 0.007 | | | | | | |
| E.1 | BS2 | | Trunk | E | 9 | 0.016 | 0.015 | 0.015 | | | | | | |
| E.1 | BS3 | | Trunk | E | 9 | 0.021 | 0.021 | 0.026 | | | | | | |
| E.1 | BS4 | | Trunk | E | 9 | 0.041 | 0.039 | 0.035 | | | | | | |
| E.1 | BS5 | | Trunk | E | 9 | 0.036 | 0.026 | 0.023 | | | | | | |
| | | | | | | | | | | | | | | |
| E.1 | BS1 | | Trunk | E | 10 | | | | 0.005 | 0.004 | 0.003 | | | |
| E.1 | BS2 | | Trunk | E | 10 | | | | 0.006 | 0.007 | 0.006 | | | |
| E.1 | BS3 | | Trunk | E | 10 | | | | 0.014 | 0.013 | 0.014 | | | |
| E.1 | BS4 | | Trunk | E | 10 | | | | 0.022 | 0.018 | 0.019 | | | |
| E.1 | BS5 | | Trunk | E | 10 | | | | 0.014 | 0.013 | 0.014 | | | |
| | | | | | | | | | | | | | | |
| E.1 | BS1 | | Trunk | E | 11 | | | | | | 0.003 | 0.003 | 0.003 | 0.004 |
| E.1 | BS2 | | Trunk | E | 11 | | | | | | 0.005 | 0.007 | 0.009 | 0.012 |
| E.1 | BS3 | | Trunk | E | 11 | | | | | | 0.013 | 0.014 | 0.012 | 0.012 |
| E.1 | BS4 | | Trunk | E | 11 | | | | | | 0.017 | 0.019 | 0.018 | 0.018 |
| E.1 | BS5 | | Trunk | E | 11 | | | | | | 0.016 | 0.018 | 0.016 | 0.015 |
| | | | | | | | | | | | | | | |
| E.2 | PB | | Trunk | E | 9 | 0.104 | 0.092 | 0.065 | | | | | | |
| E.2 | PF | | Trunk | E | 9 | 0.044 | 0.055 | 0.035 | | | | | | |
| | | | | | | | | | | | | | | |
| E.2 | PB | | Trunk | E | 10 | | | | 0.153 | 0.163 | 0.121 | | | |
| E.2 | PF | | Trunk | E | 10 | | | | 0.038 | 0.043 | 0.039 | | | |
| | | | | | | | | | | | | | | |
| E.2 | PB | | Trunk | E | 11 | | | | | | 0.136 | 0.158 | 0.095 | 0.144 |
| E.2 | PF | | Trunk | E | 11 | | | | | | 0.031 | 0.028 | 0.033 | 0.037 |

# Appendix F – MPE Test Results Summary for APX6500 7/800MHz

# Table F.1

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS1 | 0.0030 | 0.0120 | 0.0110 | 0.0130 | 0.0210 | 0.0450 | 0.0780 | 0.2120 | 0.2480 | 0.2030 | 0.5 | 0.083 | 0.04 | 0.04 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0030 | 0.0120 | 0.0110 | 0.0130 | 0.0220 | 0.0440 | 0.0780 | 0.2110 | 0.2500 | 0.2060 | 0.5 | 0.084 | 0.04 | 0.04 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0030 | 0.0090 | 0.0070 | 0.0110 | 0.0200 | 0.0610 | 0.0990 | 0.2360 | 0.2640 | 0.2170 | 0.5 | 0.092 | 0.05 | 0.05 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0030 | 0.0070 | 0.0060 | 0.0170 | 0.0190 | 0.0570 | 0.0900 | 0.2200 | 0.2300 | 0.1800 | 0.5 | 0.082 | 0.04 | 0.04 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS1 | 0.0050 | 0.0060 | 0.0100 | 0.0120 | 0.0120 | 0.0440 | 0.0810 | 0.2700 | 0.3100 | 0.1980 | 0.5 | 0.095 | 0.05 | 0.05 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS1 | 0.0040 | 0.0060 | 0.0080 | 0.0100 | 0.0180 | 0.0560 | 0.1110 | 0.2660 | 0.3240 | 0.2050 | 0.5 | 0.101 | 0.05 | 0.05 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS1 | 0.0020 | 0.0070 | 0.0090 | 0.0120 | 0.0110 | 0.0280 | 0.0890 | 0.2080 | 0.2460 | 0.1770 | 0.5 | 0.079 | 0.04 | 0.04 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS1 | 0.0020 | 0.0040 | 0.0050 | 0.0080 | 0.0080 | 0.0300 | 0.0740 | 0.1660 | 0.2280 | 0.1890 | 0.5 | 0.072 | 0.04 | 0.04 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS1 | 0.0010 | 0.0020 | 0.0050 | 0.0110 | 0.0250 | 0.0280 | 0.0300 | 0.1040 | 0.1770 | 0.1760 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0040 | 0.0030 | 0.0040 | 0.0120 | 0.0220 | 0.0390 | 0.0560 | 0.1670 | 0.2170 | 0.2180 | 0.5 | 0.077 | 0.04 | 0.04 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0030 | 0.0040 | 0.0080 | 0.0150 | 0.0180 | 0.0150 | 0.0480 | 0.1440 | 0.1830 | 0.1550 | 0.5 | 0.062 | 0.03 | 0.03 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS2 | 0.0020 | 0.0010 | 0.0080 | 0.0130 | 0.0260 | 0.0310 | 0.0670 | 0.1090 | 0.1590 | 0.1750 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0020 | 0.0010 | 0.0080 | 0.0130 | 0.0260 | 0.0300 | 0.0670 | 0.1110 | 0.1610 | 0.1750 | 0.5 | 0.059 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0010 | 0.0030 | 0.0090 | 0.0180 | 0.0250 | 0.0260 | 0.0650 | 0.1260 | 0.1820 | 0.1410 | 0.5 | 0.059 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0000 | 0.0040 | 0.0080 | 0.0130 | 0.0160 | 0.0230 | 0.0520 | 0.0930 | 0.1800 | 0.1410 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS2 | 0.0000 | 0.0090 | 0.0080 | 0.0150 | 0.0240 | 0.0200 | 0.0400 | 0.0850 | 0.1480 | 0.1790 | 0.5 | 0.053 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS2 | 0.0010 | 0.0060 | 0.0060 | 0.0140 | 0.0280 | 0.0200 | 0.0480 | 0.0940 | 0.1510 | 0.1510 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS2 | 0.0010 | 0.0030 | 0.0030 | 0.0070 | 0.0180 | 0.0210 | 0.0450 | 0.0900 | 0.1250 | 0.1560 | 0.5 | 0.047 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS2 | 0.0010 | 0.0020 | 0.0030 | 0.0080 | 0.0140 | 0.0230 | 0.0660 | 0.1400 | 0.1660 | 0.1470 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS2 | 0.0010 | 0.0030 | 0.0080 | 0.0090 | 0.0090 | 0.0390 | 0.0620 | 0.1250 | 0.1520 | 0.1350 | 0.5 | 0.056 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0010 | 0.0020 | 0.0060 | 0.0110 | 0.0060 | 0.0280 | 0.0530 | 0.1600 | 0.2010 | 0.1470 | 0.5 | 0.064 | 0.03 | 0.03 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0000 | 0.0010 | 0.0020 | 0.0050 | 0.0100 | 0.0320 | 0.0560 | 0.1180 | 0.1440 | 0.1210 | 0.5 | 0.051 | 0.03 | 0.03 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS3 | 0.0050 | 0.0090 | 0.0110 | 0.0160 | 0.0100 | 0.0070 | 0.0290 | 0.0410 | 0.0430 | 0.0630 | 0.5 | 0.023 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0050 | 0.0100 | 0.0110 | 0.0150 | 0.0110 | 0.0070 | 0.0280 | 0.0410 | 0.0430 | 0.0620 | 0.5 | 0.023 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0060 | 0.0070 | 0.0120 | 0.0130 | 0.0140 | 0.0080 | 0.0210 | 0.0310 | 0.0390 | 0.0760 | 0.5 | 0.022 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0020 | 0.0050 | 0.0110 | 0.0110 | 0.0140 | 0.0110 | 0.0280 | 0.0300 | 0.0330 | 0.0510 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS3 | 0.0020 | 0.0080 | 0.0080 | 0.0090 | 0.0100 | 0.0160 | 0.0390 | 0.0560 | 0.0770 | 0.0760 | 0.5 | 0.030 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS3 | 0.0020 | 0.0030 | 0.0060 | 0.0060 | 0.0060 | 0.0150 | 0.0420 | 0.0490 | 0.0720 | 0.0980 | 0.5 | 0.030 | 0.01 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS3 | 0.0030 | 0.0050 | 0.0060 | 0.0060 | 0.0090 | 0.0120 | 0.0330 | 0.0460 | 0.0630 | 0.0820 | 0.5 | 0.027 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS3 | 0.0040 | 0.0070 | 0.0100 | 0.0100 | 0.0140 | 0.0170 | 0.0340 | 0.0570 | 0.0710 | 0.0770 | 0.5 | 0.031 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS3 | 0.0030 | 0.0030 | 0.0080 | 0.0130 | 0.0080 | 0.0130 | 0.0310 | 0.0420 | 0.0730 | 0.0630 | 0.5 | 0.026 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0030 | 0.0040 | 0.0070 | 0.0180 | 0.0170 | 0.0160 | 0.0280 | 0.0310 | 0.0580 | 0.0630 | 0.5 | 0.025 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0020 | 0.0040 | 0.0080 | 0.0150 | 0.0120 | 0.0120 | 0.0260 | 0.0310 | 0.0650 | 0.0950 | 0.5 | 0.028 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS4 | 0.0030 | 0.0060 | 0.0050 | 0.0100 | 0.0110 | 0.0090 | 0.0080 | 0.0240 | 0.0320 | 0.0330 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0030 | 0.0060 | 0.0050 | 0.0100 | 0.0110 | 0.0090 | 0.0080 | 0.0230 | 0.0330 | 0.0320 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0020 | 0.0050 | 0.0070 | 0.0090 | 0.0100 | 0.0110 | 0.0120 | 0.0230 | 0.0250 | 0.0260 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0030 | 0.0040 | 0.0040 | 0.0090 | 0.0100 | 0.0110 | 0.0120 | 0.0230 | 0.0300 | 0.0300 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS4 | 0.0020 | 0.0040 | 0.0040 | 0.0060 | 0.0110 | 0.0120 | 0.0100 | 0.0180 | 0.0230 | 0.0300 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS4 | 0.0010 | 0.0060 | 0.0020 | 0.0090 | 0.0100 | 0.0090 | 0.0090 | 0.0260 | 0.0250 | 0.0240 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS4 | 0.0010 | 0.0030 | 0.0020 | 0.0050 | 0.0090 | 0.0070 | 0.0110 | 0.0240 | 0.0190 | 0.0260 | 0.5 | 0.011 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS4 | 0.0020 | 0.0040 | 0.0040 | 0.0070 | 0.0090 | 0.0050 | 0.0120 | 0.0330 | 0.0270 | 0.0260 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS4 | 0.0020 | 0.0030 | 0.0020 | 0.0040 | 0.0100 | 0.0080 | 0.0100 | 0.0270 | 0.0260 | 0.0250 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0020 | 0.0020 | 0.0000 | 0.0040 | 0.0100 | 0.0140 | 0.0130 | 0.0320 | 0.0370 | 0.0400 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0010 | 0.0030 | 0.0040 | 0.0070 | 0.0090 | 0.0080 | 0.0150 | 0.0300 | 0.0240 | 0.0240 | 0.5 | 0.013 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS5 | 0.0000 | 0.0030 | 0.0030 | 0.0030 | 0.0060 | 0.0070 | 0.0100 | 0.0230 | 0.0330 | 0.0190 | 0.5 | 0.011 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0000 | 0.0030 | 0.0030 | 0.0030 | 0.0060 | 0.0070 | 0.0100 | 0.0230 | 0.0340 | 0.0180 | 0.5 | 0.011 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0010 | 0.0020 | 0.0010 | 0.0030 | 0.0080 | 0.0130 | 0.0130 | 0.0210 | 0.0450 | 0.0330 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0020 | 0.0010 | 0.0020 | 0.0080 | 0.0130 | 0.0140 | 0.0130 | 0.0170 | 0.0390 | 0.0360 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS5 | 0.0010 | 0.0010 | 0.0010 | 0.0050 | 0.0120 | 0.0160 | 0.0140 | 0.0320 | 0.0400 | 0.0290 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS5 | 0.0000 | 0.0010 | 0.0020 | 0.0050 | 0.0120 | 0.0180 | 0.0210 | 0.0470 | 0.0540 | 0.0350 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS5 | 0.0000 | 0.0010 | 0.0020 | 0.0050 | 0.0120 | 0.0180 | 0.0210 | 0.0470 | 0.0540 | 0.0350 | 0.5 | 0.020 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS5 | 0.0000 | 0.0010 | 0.0020 | 0.0090 | 0.0130 | 0.0110 | 0.0090 | 0.0210 | 0.0260 | 0.0180 | 0.5 | 0.011 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS5 | 0.0020 | 0.0010 | 0.0010 | 0.0060 | 0.0090 | 0.0110 | 0.0070 | 0.0130 | 0.0170 | 0.0140 | 0.5 | 0.008 | 0.00 | 0.00 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0010 | 0.0000 | 0.0000 | 0.0040 | 0.0070 | 0.0120 | 0.0050 | 0.0160 | 0.0310 | 0.0190 | 0.5 | 0.010 | 0.00 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0010 | 0.0000 | 0.0010 | 0.0030 | 0.0040 | 0.0060 | 0.0060 | 0.0170 | 0.0220 | 0.0150 | 0.5 | 0.008 | 0.00 | 0.00 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS1 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0040 | 0.0000 | 0.0070 | 0.0830 | 0.2440 | 0.2470 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0040 | 0.0010 | 0.0070 | 0.0820 | 0.2460 | 0.2480 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0010 | 0.0130 | 0.1020 | 0.2690 | 0.2780 | 0.5 | 0.066 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0000 | 0.0000 | 0.0000 | 0.0010 | 0.0010 | 0.0020 | 0.0170 | 0.1170 | 0.2600 | 0.2320 | 0.5 | 0.062 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS1 | 0.0000 | 0.0010 | 0.0010 | 0.0010 | 0.0040 | 0.0110 | 0.0540 | 0.2500 | 0.3200 | 0.2500 | 0.5 | 0.089 | 0.04 | 0.05 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS1 | 0.0010 | 0.0000 | 0.0000 | 0.0030 | 0.0020 | 0.0130 | 0.0710 | 0.2790 | 0.3750 | 0.2780 | 0.5 | 0.102 | 0.05 | 0.05 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS1 | 0.0010 | 0.0010 | 0.0010 | 0.0060 | 0.0060 | 0.0130 | 0.0790 | 0.2440 | 0.2760 | 0.2250 | 0.5 | 0.086 | 0.04 | 0.04 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS1 | 0.0010 | 0.0020 | 0.0020 | 0.0050 | 0.0100 | 0.0320 | 0.1000 | 0.1990 | 0.2000 | 0.1570 | 0.5 | 0.072 | 0.04 | 0.04 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS1 | 0.0030 | 0.0030 | 0.0100 | 0.0080 | 0.0300 | 0.0380 | 0.0480 | 0.1250 | 0.0870 | 0.1010 | 0.5 | 0.047 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0060 | 0.0030 | 0.0040 | 0.0130 | 0.0190 | 0.0390 | 0.0730 | 0.1460 | 0.1080 | 0.1280 | 0.5 | 0.056 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0020 | 0.0020 | 0.0080 | 0.0150 | 0.0300 | 0.0290 | 0.0600 | 0.1390 | 0.0920 | 0.1070 | 0.5 | 0.050 | 0.03 | 0.03 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS2 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0100 | 0.0380 | 0.1130 | 0.1870 | 0.5 | 0.034 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0090 | 0.0370 | 0.1100 | 0.1820 | 0.5 | 0.034 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0000 | 0.0000 | 0.0000 | 0.0010 | 0.0010 | 0.0030 | 0.0130 | 0.0560 | 0.1300 | 0.1620 | 0.5 | 0.036 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0000 | 0.0000 | 0.0000 | 0.0010 | 0.0020 | 0.0030 | 0.0160 | 0.0590 | 0.1400 | 0.1650 | 0.5 | 0.038 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS2 | 0.0000 | 0.0010 | 0.0020 | 0.0030 | 0.0090 | 0.0140 | 0.0360 | 0.0730 | 0.1220 | 0.1380 | 0.5 | 0.040 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS2 | 0.0000 | 0.0020 | 0.0020 | 0.0050 | 0.0150 | 0.0140 | 0.0330 | 0.0860 | 0.1420 | 0.1200 | 0.5 | 0.042 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS2 | 0.0000 | 0.0010 | 0.0020 | 0.0030 | 0.0090 | 0.0160 | 0.0490 | 0.0900 | 0.1260 | 0.0930 | 0.5 | 0.039 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS2 | 0.0000 | 0.0030 | 0.0050 | 0.0060 | 0.0100 | 0.0250 | 0.0730 | 0.1430 | 0.1730 | 0.1150 | 0.5 | 0.056 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS2 | 0.0010 | 0.0010 | 0.0030 | 0.0100 | 0.0070 | 0.0380 | 0.0910 | 0.1660 | 0.1160 | 0.0820 | 0.5 | 0.053 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0010 | 0.0020 | 0.0030 | 0.0100 | 0.0070 | 0.0330 | 0.0950 | 0.1890 | 0.1280 | 0.0870 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0000 | 0.0020 | 0.0090 | 0.0040 | 0.0110 | 0.0400 | 0.0760 | 0.1320 | 0.0820 | 0.0500 | 0.5 | 0.042 | 0.02 | 0.02 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS3 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0010 | 0.0030 | 0.0120 | 0.0230 | 0.0380 | 0.0610 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0010 | 0.0030 | 0.0120 | 0.0230 | 0.0390 | 0.0590 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0000 | 0.0000 | 0.0000 | 0.0010 | 0.0000 | 0.0030 | 0.0110 | 0.0220 | 0.0420 | 0.0640 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0010 | 0.0010 | 0.0020 | 0.0020 | 0.0030 | 0.0040 | 0.0110 | 0.0190 | 0.0350 | 0.0490 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS3 | 0.0010 | 0.0040 | 0.0050 | 0.0060 | 0.0060 | 0.0130 | 0.0460 | 0.0820 | 0.1090 | 0.0790 | 0.5 | 0.035 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS3 | 0.0010 | 0.0030 | 0.0050 | 0.0060 | 0.0070 | 0.0180 | 0.0490 | 0.0690 | 0.1080 | 0.0940 | 0.5 | 0.036 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS3 | 0.0020 | 0.0040 | 0.0100 | 0.0080 | 0.0180 | 0.0320 | 0.0660 | 0.0990 | 0.1500 | 0.1060 | 0.5 | 0.050 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS3 | 0.0030 | 0.0030 | 0.0090 | 0.0120 | 0.0180 | 0.0380 | 0.0910 | 0.0900 | 0.1110 | 0.0630 | 0.5 | 0.044 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS3 | 0.0030 | 0.0060 | 0.0140 | 0.0340 | 0.0210 | 0.0260 | 0.0820 | 0.0970 | 0.0950 | 0.0510 | 0.5 | 0.044 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0050 | 0.0040 | 0.0100 | 0.0190 | 0.0310 | 0.0330 | 0.0580 | 0.0580 | 0.0700 | 0.0370 | 0.5 | 0.034 | 0.02 | 0.02 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0030 | 0.0040 | 0.0110 | 0.0190 | 0.0220 | 0.0370 | 0.0680 | 0.0790 | 0.1140 | 0.0510 | 0.5 | 0.043 | 0.02 | 0.02 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS4 | 0.0010 | 0.0000 | 0.0010 | 0.0000 | 0.0010 | 0.0010 | 0.0050 | 0.0160 | 0.0260 | 0.0360 | 0.5 | 0.009 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0010 | 0.0000 | 0.0000 | 0.0000 | 0.0010 | 0.0010 | 0.0050 | 0.0160 | 0.0270 | 0.0370 | 0.5 | 0.009 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0010 | 0.0010 | 0.0020 | 0.0020 | 0.0010 | 0.0020 | 0.0070 | 0.0150 | 0.0200 | 0.0350 | 0.5 | 0.009 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0010 | 0.0020 | 0.0010 | 0.0050 | 0.0070 | 0.0090 | 0.0130 | 0.0190 | 0.0240 | 0.0390 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS4 | 0.0020 | 0.0030 | 0.0030 | 0.0070 | 0.0110 | 0.0130 | 0.0160 | 0.0260 | 0.0280 | 0.0370 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS4 | 0.0010 | 0.0040 | 0.0020 | 0.0040 | 0.0100 | 0.0110 | 0.0180 | 0.0250 | 0.0270 | 0.0300 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS4 | 0.0030 | 0.0040 | 0.0040 | 0.0050 | 0.0100 | 0.0090 | 0.0150 | 0.0320 | 0.0280 | 0.0330 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS4 | 0.0010 | 0.0020 | 0.0040 | 0.0070 | 0.0070 | 0.0060 | 0.0230 | 0.0520 | 0.0400 | 0.0410 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS4 | 0.0020 | 0.0060 | 0.0020 | 0.0110 | 0.0180 | 0.0150 | 0.0360 | 0.0690 | 0.0360 | 0.0400 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0010 | 0.0030 | 0.0030 | 0.0090 | 0.0180 | 0.0230 | 0.0430 | 0.0710 | 0.0430 | 0.0480 | 0.5 | 0.027 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0020 | 0.0030 | 0.0020 | 0.0090 | 0.0130 | 0.0150 | 0.0310 | 0.0530 | 0.0340 | 0.0310 | 0.5 | 0.020 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS5 | 0.0000 | 0.0000 | 0.0010 | 0.0010 | 0.0010 | 0.0010 | 0.0080 | 0.0230 | 0.0250 | 0.0250 | 0.5 | 0.008 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0000 | 0.0000 | 0.0010 | 0.0010 | 0.0000 | 0.0020 | 0.0080 | 0.0220 | 0.0250 | 0.0250 | 0.5 | 0.008 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0000 | 0.0000 | 0.0010 | 0.0010 | 0.0020 | 0.0060 | 0.0150 | 0.0300 | 0.0390 | 0.0380 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0000 | 0.0020 | 0.0010 | 0.0020 | 0.0070 | 0.0130 | 0.0170 | 0.0250 | 0.0340 | 0.0330 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS5 | 0.0020 | 0.0010 | 0.0000 | 0.0050 | 0.0120 | 0.0160 | 0.0210 | 0.0530 | 0.0430 | 0.0300 | 0.5 | 0.018 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS5 | 0.0010 | 0.0000 | 0.0020 | 0.0080 | 0.0150 | 0.0230 | 0.0390 | 0.0760 | 0.0650 | 0.0500 | 0.5 | 0.028 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS5 | 0.0000 | 0.0000 | 0.0020 | 0.0090 | 0.0160 | 0.0200 | 0.0270 | 0.0650 | 0.0550 | 0.0430 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS5 | 0.0020 | 0.0010 | 0.0050 | 0.0170 | 0.0220 | 0.0220 | 0.0230 | 0.0540 | 0.0460 | 0.0350 | 0.5 | 0.023 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS5 | 0.0020 | 0.0020 | 0.0070 | 0.0130 | 0.0110 | 0.0150 | 0.0130 | 0.0360 | 0.0330 | 0.0220 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0020 | 0.0030 | 0.0050 | 0.0080 | 0.0120 | 0.0150 | 0.0160 | 0.0380 | 0.0280 | 0.0200 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0010 | 0.0030 | 0.0040 | 0.0100 | 0.0100 | 0.0140 | 0.0160 | 0.0380 | 0.0260 | 0.0190 | 0.5 | 0.015 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS1 | 0.0030 | 0.0130 | 0.0100 | 0.0140 | 0.0220 | 0.0440 | 0.0770 | 0.1980 | 0.2460 | 0.2000 | 0.5 | 0.081 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS1 | 0.0030 | 0.0130 | 0.0100 | 0.0140 | 0.0220 | 0.0450 | 0.0760 | 0.1960 | 0.2450 | 0.1990 | 0.5 | 0.081 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0030 | 0.0130 | 0.0100 | 0.0140 | 0.0220 | 0.0450 | 0.0760 | 0.1960 | 0.2450 | 0.1990 | 0.5 | 0.081 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0020 | 0.0070 | 0.0050 | 0.0170 | 0.0200 | 0.0580 | 0.0860 | 0.2170 | 0.2240 | 0.1760 | 0.5 | 0.080 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS1 | 0.0060 | 0.0050 | 0.0110 | 0.0130 | 0.0120 | 0.0400 | 0.0810 | 0.2690 | 0.3020 | 0.2020 | 0.5 | 0.094 | 0.05 | 0.05 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS1 | 0.0030 | 0.0060 | 0.0090 | 0.0110 | 0.0160 | 0.0560 | 0.1190 | 0.2750 | 0.3200 | 0.2060 | 0.5 | 0.102 | 0.05 | 0.05 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS1 | 0.0020 | 0.0060 | 0.0090 | 0.0130 | 0.0110 | 0.0270 | 0.0910 | 0.2070 | 0.2480 | 0.1760 | 0.5 | 0.080 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS1 | 0.0020 | 0.0040 | 0.0060 | 0.0090 | 0.0070 | 0.0320 | 0.0800 | 0.1670 | 0.2290 | 0.1770 | 0.5 | 0.072 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS1 | 0.0010 | 0.0010 | 0.0050 | 0.0110 | 0.0240 | 0.0300 | 0.0270 | 0.0970 | 0.1560 | 0.1510 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0040 | 0.0030 | 0.0040 | 0.0120 | 0.0220 | 0.0410 | 0.0490 | 0.1540 | 0.1940 | 0.1930 | 0.5 | 0.070 | 0.04 | 0.04 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0030 | 0.0030 | 0.0060 | 0.0130 | 0.0170 | 0.0130 | 0.0410 | 0.1260 | 0.1700 | 0.1420 | 0.5 | 0.056 | 0.03 | 0.03 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS2 | 0.0020 | 0.0010 | 0.0060 | 0.0130 | 0.0250 | 0.0320 | 0.0670 | 0.1050 | 0.1520 | 0.1630 | 0.5 | 0.056 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS2 | 0.0020 | 0.0010 | 0.0060 | 0.0120 | 0.0260 | 0.0340 | 0.0660 | 0.1070 | 0.1520 | 0.1640 | 0.5 | 0.056 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0010 | 0.0030 | 0.0080 | 0.0180 | 0.0270 | 0.0280 | 0.0600 | 0.1190 | 0.1760 | 0.1280 | 0.5 | 0.056 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0000 | 0.0040 | 0.0080 | 0.0120 | 0.0160 | 0.0220 | 0.0490 | 0.0940 | 0.1750 | 0.1300 | 0.5 | 0.050 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS2 | 0.0000 | 0.0080 | 0.0090 | 0.0170 | 0.0250 | 0.0190 | 0.0420 | 0.0800 | 0.1360 | 0.1750 | 0.5 | 0.051 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS2 | 0.0010 | 0.0060 | 0.0080 | 0.0150 | 0.0270 | 0.0170 | 0.0460 | 0.0910 | 0.1460 | 0.1420 | 0.5 | 0.050 | 0.02 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS2 | 0.0010 | 0.0030 | 0.0030 | 0.0090 | 0.0160 | 0.0160 | 0.0410 | 0.0810 | 0.1140 | 0.1400 | 0.5 | 0.043 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS2 | 0.0010 | 0.0030 | 0.0020 | 0.0070 | 0.0110 | 0.0250 | 0.0630 | 0.1300 | 0.1540 | 0.1310 | 0.5 | 0.053 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS2 | 0.0010 | 0.0020 | 0.0060 | 0.0070 | 0.0070 | 0.0330 | 0.0550 | 0.1040 | 0.1230 | 0.1150 | 0.5 | 0.047 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0000 | 0.0020 | 0.0040 | 0.0090 | 0.0050 | 0.0250 | 0.0480 | 0.1360 | 0.1700 | 0.1170 | 0.5 | 0.053 | 0.03 | 0.03 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0000 | 0.0000 | 0.0020 | 0.0030 | 0.0100 | 0.0280 | 0.0480 | 0.0900 | 0.1180 | 0.1020 | 0.5 | 0.042 | 0.02 | 0.02 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS3 | 0.0060 | 0.0100 | 0.0110 | 0.0160 | 0.0110 | 0.0070 | 0.0280 | 0.0440 | 0.0470 | 0.0630 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS3 | 0.0060 | 0.0100 | 0.0110 | 0.0150 | 0.0110 | 0.0060 | 0.0280 | 0.0440 | 0.0470 | 0.0630 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0080 | 0.0080 | 0.0110 | 0.0120 | 0.0130 | 0.0060 | 0.0230 | 0.0350 | 0.0460 | 0.0790 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0040 | 0.0040 | 0.0130 | 0.0130 | 0.0140 | 0.0100 | 0.0310 | 0.0340 | 0.0380 | 0.0560 | 0.5 | 0.021 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS3 | 0.0030 | 0.0080 | 0.0120 | 0.0100 | 0.0100 | 0.0170 | 0.0360 | 0.0550 | 0.0760 | 0.0720 | 0.5 | 0.030 | 0.01 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS3 | 0.0030 | 0.0040 | 0.0070 | 0.0050 | 0.0080 | 0.0160 | 0.0380 | 0.0460 | 0.0690 | 0.0920 | 0.5 | 0.029 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS3 | 0.0040 | 0.0050 | 0.0070 | 0.0060 | 0.0060 | 0.0120 | 0.0360 | 0.0510 | 0.0650 | 0.0750 | 0.5 | 0.027 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS3 | 0.0030 | 0.0070 | 0.0090 | 0.0100 | 0.0130 | 0.0180 | 0.0410 | 0.0590 | 0.0740 | 0.0770 | 0.5 | 0.032 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS3 | 0.0030 | 0.0040 | 0.0080 | 0.0130 | 0.0100 | 0.0110 | 0.0280 | 0.0360 | 0.0620 | 0.0590 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0030 | 0.0060 | 0.0080 | 0.0170 | 0.0160 | 0.0150 | 0.0300 | 0.0350 | 0.0600 | 0.0660 | 0.5 | 0.027 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0020 | 0.0040 | 0.0070 | 0.0130 | 0.0100 | 0.0120 | 0.0290 | 0.0330 | 0.0640 | 0.0940 | 0.5 | 0.028 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0

Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS4 | 0.0030 | 0.0070 | 0.0050 | 0.0110 | 0.0130 | 0.0090 | 0.0090 | 0.0250 | 0.0330 | 0.0330 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS4 | 0.0030 | 0.0070 | 0.0050 | 0.0110 | 0.0120 | 0.0100 | 0.0080 | 0.0250 | 0.0330 | 0.0340 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0020 | 0.0050 | 0.0070 | 0.0100 | 0.0120 | 0.0110 | 0.0120 | 0.0230 | 0.0250 | 0.0280 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0030 | 0.0040 | 0.0040 | 0.0100 | 0.0110 | 0.0110 | 0.0120 | 0.0260 | 0.0330 | 0.0330 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS4 | 0.0020 | 0.0040 | 0.0040 | 0.0070 | 0.0120 | 0.0120 | 0.0100 | 0.0190 | 0.0210 | 0.0320 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS4 | 0.0020 | 0.0070 | 0.0030 | 0.0100 | 0.0110 | 0.0090 | 0.0100 | 0.0270 | 0.0250 | 0.0250 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS4 | 0.0010 | 0.0020 | 0.0020 | 0.0040 | 0.0080 | 0.0050 | 0.0100 | 0.0240 | 0.0180 | 0.0250 | 0.5 | 0.010 | 0.00 | 0.00 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS4 | 0.0020 | 0.0040 | 0.0040 | 0.0060 | 0.0070 | 0.0050 | 0.0120 | 0.0280 | 0.0240 | 0.0240 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS4 | 0.0010 | 0.0030 | 0.0010 | 0.0050 | 0.0110 | 0.0090 | 0.0110 | 0.0290 | 0.0240 | 0.0240 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0010 | 0.0020 | 0.0000 | 0.0030 | 0.0090 | 0.0120 | 0.0110 | 0.0310 | 0.0370 | 0.0390 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0010 | 0.0020 | 0.0040 | 0.0070 | 0.0090 | 0.0070 | 0.0140 | 0.0290 | 0.0230 | 0.0220 | 0.5 | 0.012 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

# Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS5 | 0.0010 | 0.0040 | 0.0050 | 0.0030 | 0.0070 | 0.0100 | 0.0130 | 0.0320 | 0.0440 | 0.0250 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS5 | 0.0010 | 0.0040 | 0.0040 | 0.0030 | 0.0070 | 0.0100 | 0.0130 | 0.0320 | 0.0420 | 0.0240 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0010 | 0.0040 | 0.0020 | 0.0040 | 0.0120 | 0.0160 | 0.0170 | 0.0310 | 0.0570 | 0.0450 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0030 | 0.0030 | 0.0030 | 0.0100 | 0.0150 | 0.0180 | 0.0160 | 0.0230 | 0.0490 | 0.0490 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS5 | 0.0020 | 0.0010 | 0.0010 | 0.0070 | 0.0130 | 0.0180 | 0.0150 | 0.0360 | 0.0470 | 0.0300 | 0.5 | 0.017 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS5 | 0.0000 | 0.0010 | 0.0020 | 0.0070 | 0.0150 | 0.0200 | 0.0230 | 0.0540 | 0.0620 | 0.0400 | 0.5 | 0.022 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS5 | 0.0010 | 0.0000 | 0.0030 | 0.0100 | 0.0150 | 0.0150 | 0.0140 | 0.0370 | 0.0400 | 0.0200 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS5 | 0.0010 | 0.0020 | 0.0030 | 0.0110 | 0.0140 | 0.0140 | 0.0110 | 0.0250 | 0.0320 | 0.0240 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS5 | 0.0020 | 0.0010 | 0.0020 | 0.0060 | 0.0090 | 0.0110 | 0.0060 | 0.0140 | 0.0180 | 0.0140 | 0.5 | 0.009 | 0.00 | 0.00 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0000 | 0.0010 | 0.0000 | 0.0040 | 0.0060 | 0.0120 | 0.0060 | 0.0170 | 0.0350 | 0.0190 | 0.5 | 0.010 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0010 | 0.0000 | 0.0010 | 0.0030 | 0.0050 | 0.0070 | 0.0060 | 0.0180 | 0.0220 | 0.0170 | 0.5 | 0.008 | 0.00 | 0.00 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS1 | 0.0040 | 0.0160 | 0.0150 | 0.0270 | 0.0390 | 0.0920 | 0.1520 | 0.2960 | 0.2290 | 0.0590 | 0.5 | 0.091 | 0.05 | 0.05 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS1 | 0.0040 | 0.0160 | 0.0150 | 0.0270 | 0.0400 | 0.0920 | 0.1530 | 0.2930 | 0.2290 | 0.0600 | 0.5 | 0.092 | 0.05 | 0.05 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0040 | 0.0180 | 0.0120 | 0.0210 | 0.0340 | 0.1170 | 0.1850 | 0.3320 | 0.2420 | 0.0700 | 0.5 | 0.102 | 0.05 | 0.05 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS1 | 0.0050 | 0.0150 | 0.0100 | 0.0230 | 0.0340 | 0.1070 | 0.1600 | 0.3280 | 0.2010 | 0.0470 | 0.5 | 0.092 | 0.05 | 0.05 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS1 | 0.0100 | 0.0110 | 0.0180 | 0.0250 | 0.0250 | 0.0740 | 0.1720 | 0.4320 | 0.3160 | 0.0830 | 0.5 | 0.116 | 0.06 | 0.06 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS1 | 0.0070 | 0.0100 | 0.0130 | 0.0190 | 0.0230 | 0.0870 | 0.2260 | 0.4670 | 0.3340 | 0.0970 | 0.5 | 0.128 | 0.06 | 0.07 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS1 | 0.0030 | 0.0090 | 0.0130 | 0.0190 | 0.0180 | 0.0420 | 0.1570 | 0.3250 | 0.2410 | 0.0760 | 0.5 | 0.091 | 0.05 | 0.05 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS1 | 0.0040 | 0.0060 | 0.0090 | 0.0130 | 0.0140 | 0.0620 | 0.1560 | 0.2680 | 0.2240 | 0.0850 | 0.5 | 0.085 | 0.04 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS1 | 0.0020 | 0.0020 | 0.0070 | 0.0110 | 0.0350 | 0.0470 | 0.0480 | 0.1320 | 0.1320 | 0.0550 | 0.5 | 0.049 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0060 | 0.0030 | 0.0050 | 0.0150 | 0.0310 | 0.0620 | 0.0830 | 0.2020 | 0.1860 | 0.0780 | 0.5 | 0.070 | 0.03 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS1 | 0.0030 | 0.0030 | 0.0070 | 0.0160 | 0.0230 | 0.0220 | 0.0600 | 0.1620 | 0.1330 | 0.0520 | 0.5 | 0.050 | 0.03 | 0.03 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS2 | 0.0010 | 0.0030 | 0.0140 | 0.0200 | 0.0490 | 0.0640 | 0.1250 | 0.1990 | 0.1880 | 0.0930 | 0.5 | 0.074 | 0.04 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS2 | 0.0010 | 0.0030 | 0.0140 | 0.0200 | 0.0480 | 0.0640 | 0.1250 | 0.1980 | 0.1860 | 0.0900 | 0.5 | 0.074 | 0.04 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0020 | 0.0050 | 0.0130 | 0.0300 | 0.0490 | 0.0600 | 0.1190 | 0.1990 | 0.2050 | 0.0690 | 0.5 | 0.074 | 0.04 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS2 | 0.0000 | 0.0040 | 0.0140 | 0.0220 | 0.0330 | 0.0490 | 0.1040 | 0.1850 | 0.2040 | 0.0790 | 0.5 | 0.069 | 0.03 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS2 | 0.0000 | 0.0110 | 0.0150 | 0.0260 | 0.0480 | 0.0410 | 0.0830 | 0.1390 | 0.1630 | 0.1150 | 0.5 | 0.064 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS2 | 0.0010 | 0.0100 | 0.0140 | 0.0250 | 0.0480 | 0.0330 | 0.0910 | 0.1690 | 0.1680 | 0.0910 | 0.5 | 0.065 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS2 | 0.0010 | 0.0040 | 0.0060 | 0.0120 | 0.0240 | 0.0320 | 0.0760 | 0.1350 | 0.1400 | 0.0860 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS2 | 0.0010 | 0.0050 | 0.0070 | 0.0130 | 0.0180 | 0.0460 | 0.1160 | 0.2080 | 0.1940 | 0.0810 | 0.5 | 0.070 | 0.03 | 0.04 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS2 | 0.0010 | 0.0030 | 0.0080 | 0.0110 | 0.0090 | 0.0470 | 0.0880 | 0.1530 | 0.1320 | 0.0570 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0010 | 0.0020 | 0.0050 | 0.0150 | 0.0080 | 0.0390 | 0.0900 | 0.2170 | 0.1870 | 0.0700 | 0.5 | 0.066 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS2 | 0.0000 | 0.0010 | 0.0050 | 0.0040 | 0.0140 | 0.0420 | 0.0760 | 0.1370 | 0.1180 | 0.0530 | 0.5 | 0.047 | 0.02 | 0.02 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | Test Pos. | MPE Measurements | | | | | | | | | | DUT Max. TX Factor | Avg. over Body (mW/cm2) | Calc. P.D. (mW/cm2) | Max Calc. P.D. (mW/cm2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | | | | |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS3 | 0.0130 | 0.0200 | 0.0250 | 0.0320 | 0.0220 | 0.0170 | 0.0590 | 0.0800 | 0.0830 | 0.0730 | 0.5 | 0.042 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS3 | 0.0130 | 0.0200 | 0.0240 | 0.0310 | 0.0230 | 0.0170 | 0.0600 | 0.0830 | 0.0860 | 0.0740 | 0.5 | 0.043 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0130 | 0.0160 | 0.0240 | 0.0260 | 0.0250 | 0.0170 | 0.0520 | 0.0630 | 0.0730 | 0.0920 | 0.5 | 0.040 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS3 | 0.0080 | 0.0090 | 0.0250 | 0.0250 | 0.0230 | 0.0220 | 0.0680 | 0.0670 | 0.0560 | 0.0660 | 0.5 | 0.037 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS3 | 0.0060 | 0.0120 | 0.0220 | 0.0160 | 0.0160 | 0.0350 | 0.0830 | 0.1110 | 0.1310 | 0.0900 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS3 | 0.0060 | 0.0100 | 0.0150 | 0.0110 | 0.0180 | 0.0350 | 0.0800 | 0.0910 | 0.1120 | 0.1130 | 0.5 | 0.049 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS3 | 0.0060 | 0.0080 | 0.0120 | 0.0120 | 0.0130 | 0.0280 | 0.0740 | 0.0890 | 0.1090 | 0.0850 | 0.5 | 0.044 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS3 | 0.0050 | 0.0100 | 0.0160 | 0.0200 | 0.0270 | 0.0400 | 0.0800 | 0.1020 | 0.1220 | 0.0900 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS3 | 0.0040 | 0.0060 | 0.0140 | 0.0220 | 0.0210 | 0.0210 | 0.0500 | 0.0580 | 0.0840 | 0.0590 | 0.5 | 0.035 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0040 | 0.0080 | 0.0140 | 0.0240 | 0.0250 | 0.0270 | 0.0580 | 0.0610 | 0.0900 | 0.0760 | 0.5 | 0.040 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS3 | 0.0030 | 0.0050 | 0.0110 | 0.0170 | 0.0160 | 0.0240 | 0.0480 | 0.0540 | 0.0910 | 0.0840 | 0.5 | 0.037 | 0.02 | 0.02 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS4 | 0.0090 | 0.0110 | 0.0130 | 0.0220 | 0.0310 | 0.0250 | 0.0250 | 0.0550 | 0.0570 | 0.0470 | 0.5 | 0.029 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS4 | 0.0090 | 0.0110 | 0.0110 | 0.0220 | 0.0310 | 0.0240 | 0.0250 | 0.0530 | 0.0570 | 0.0470 | 0.5 | 0.029 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0070 | 0.0110 | 0.0130 | 0.0160 | 0.0260 | 0.0270 | 0.0300 | 0.0480 | 0.0450 | 0.0390 | 0.5 | 0.026 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS4 | 0.0070 | 0.0140 | 0.0120 | 0.0170 | 0.0260 | 0.0270 | 0.0320 | 0.0610 | 0.0530 | 0.0450 | 0.5 | 0.029 | 0.01 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS4 | 0.0060 | 0.0110 | 0.0100 | 0.0230 | 0.0270 | 0.0200 | 0.0270 | 0.0540 | 0.0530 | 0.0470 | 0.5 | 0.028 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS4 | 0.0060 | 0.0130 | 0.0120 | 0.0220 | 0.0250 | 0.0230 | 0.0270 | 0.0540 | 0.0540 | 0.0510 | 0.5 | 0.029 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS4 | 0.0030 | 0.0070 | 0.0040 | 0.0110 | 0.0180 | 0.0130 | 0.0230 | 0.0400 | 0.0260 | 0.0260 | 0.5 | 0.017 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS4 | 0.0050 | 0.0070 | 0.0040 | 0.0100 | 0.0170 | 0.0100 | 0.0250 | 0.0470 | 0.0400 | 0.0450 | 0.5 | 0.021 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS4 | 0.0020 | 0.0060 | 0.0020 | 0.0070 | 0.0170 | 0.0110 | 0.0220 | 0.0480 | 0.0330 | 0.0340 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0020 | 0.0040 | 0.0030 | 0.0050 | 0.0100 | 0.0160 | 0.0340 | 0.0650 | 0.0500 | 0.0480 | 0.5 | 0.025 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS4 | 0.0020 | 0.0050 | 0.0030 | 0.0080 | 0.0160 | 0.0140 | 0.0240 | 0.0440 | 0.0330 | 0.0340 | 0.5 | 0.019 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.1 (Continued)

## APX6500 7/800MHz - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35 | CW | E | 0.98 | BS5 | 0.0030 | 0.0080 | 0.0090 | 0.0100 | 0.0150 | 0.0180 | 0.0230 | 0.0620 | 0.0760 | 0.0340 | 0.5 | 0.025 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36 | 35.2 | CW | E | 0.99 | BS5 | 0.0030 | 0.0090 | 0.0090 | 0.0090 | 0.0140 | 0.0190 | 0.0240 | 0.0650 | 0.0770 | 0.0340 | 0.5 | 0.026 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0030 | 0.0090 | 0.0060 | 0.0120 | 0.0220 | 0.0310 | 0.0330 | 0.0720 | 0.1120 | 0.0630 | 0.5 | 0.036 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 35 | CW | E | 0.99 | BS5 | 0.0060 | 0.0100 | 0.0070 | 0.0200 | 0.0310 | 0.0350 | 0.0260 | 0.0550 | 0.0940 | 0.0630 | 0.5 | 0.034 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 35 | CW | E | 1.00 | BS5 | 0.0040 | 0.0030 | 0.0040 | 0.0180 | 0.0280 | 0.0330 | 0.0310 | 0.0770 | 0.0770 | 0.0340 | 0.5 | 0.031 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 36 | CW | E | 1.00 | BS5 | 0.0010 | 0.0020 | 0.0050 | 0.0170 | 0.0300 | 0.0410 | 0.0440 | 0.1070 | 0.1050 | 0.0460 | 0.5 | 0.040 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42 | CW | E | 1.01 | BS5 | 0.0020 | 0.0010 | 0.0050 | 0.0170 | 0.0240 | 0.0270 | 0.0270 | 0.0700 | 0.0650 | 0.0280 | 0.5 | 0.027 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 41 | CW | E | 1.01 | BS5 | 0.0020 | 0.0030 | 0.0070 | 0.0190 | 0.0280 | 0.0300 | 0.0220 | 0.0500 | 0.0620 | 0.0360 | 0.5 | 0.026 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 42 | CW | E | 1.03 | BS5 | 0.0050 | 0.0020 | 0.0050 | 0.0150 | 0.0130 | 0.0140 | 0.0090 | 0.0250 | 0.0300 | 0.0150 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0030 | 0.0010 | 0.0030 | 0.0080 | 0.0110 | 0.0180 | 0.0130 | 0.0340 | 0.0460 | 0.0220 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41 | CW | E | 1.04 | BS5 | 0.0020 | 0.0010 | 0.0030 | 0.0060 | 0.0090 | 0.0130 | 0.0140 | 0.0330 | 0.0340 | 0.0210 | 0.5 | 0.014 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

# Table F.2

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PB | 0.036 | 0.024 | 0.038 | 0.5 | 0.032 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PB | 0.033 | 0.026 | 0.038 | 0.5 | 0.032 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PB | 0.035 | 0.031 | 0.041 | 0.5 | 0.035 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PB | 0.036 | 0.035 | 0.037 | 0.5 | 0.036 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PB | 0.042 | 0.036 | 0.024 | 0.5 | 0.034 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PB | 0.034 | 0.033 | 0.025 | 0.5 | 0.031 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PB | 0.024 | 0.031 | 0.024 | 0.5 | 0.027 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PB | 0.024 | 0.015 | 0.052 | 0.5 | 0.031 | 0.02 | 0.02 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PB | 0.016 | 0.012 | 0.013 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.021 | 0.022 | 0.016 | 0.5 | 0.020 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.016 | 0.018 | 0.013 | 0.5 | 0.016 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PB | 0.002 | 0.004 | 0.002 | 0.5 | 0.003 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PB | 0.002 | 0.004 | 0.003 | 0.5 | 0.003 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PB | 0.002 | 0.003 | 0.003 | 0.5 | 0.003 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PB | 0.002 | 0.003 | 0.002 | 0.5 | 0.002 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PB | 0.013 | 0.005 | 0.005 | 0.5 | 0.008 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PB | 0.01 | 0.013 | 0.01 | 0.5 | 0.011 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PB | 0.018 | 0.027 | 0.017 | 0.5 | 0.021 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PB | 0.018 | 0.013 | 0.043 | 0.5 | 0.025 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PB | 0.024 | 0.015 | 0.022 | 0.5 | 0.021 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.012 | 0.016 | 0.014 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.028 | 0.017 | 0.015 | 0.5 | 0.021 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PB | 0.037 | 0.031 | 0.027 | 0.5 | 0.031 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PB | 0.04 | 0.027 | 0.04 | 0.5 | 0.035 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PB | 0.033 | 0.027 | 0.039 | 0.5 | 0.033 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PB | 0.035 | 0.022 | 0.042 | 0.5 | 0.033 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PB | 0.046 | 0.034 | 0.031 | 0.5 | 0.037 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PB | 0.035 | 0.03 | 0.028 | 0.5 | 0.031 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PB | 0.02 | 0.026 | 0.024 | 0.5 | 0.023 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PB | 0.022 | 0.017 | 0.067 | 0.5 | 0.036 | 0.02 | 0.02 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PB | 0.022 | 0.015 | 0.016 | 0.5 | 0.018 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.02 | 0.019 | 0.01 | 0.5 | 0.017 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.025 | 0.014 | 0.012 | 0.5 | 0.018 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PB | 0.066 | 0.04 | 0.07 | 0.5 | 0.058 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PB | 0.066 | 0.041 | 0.052 | 0.5 | 0.052 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PB | 0.054 | 0.04 | 0.073 | 0.5 | 0.055 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PB | 0.055 | 0.041 | 0.072 | 0.5 | 0.055 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PB | 0.053 | 0.058 | 0.053 | 0.5 | 0.055 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PB | 0.06 | 0.053 | 0.045 | 0.5 | 0.053 | 0.03 | 0.03 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PB | 0.039 | 0.043 | 0.041 | 0.5 | 0.041 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PB | 0.055 | 0.029 | 0.040 | 0.5 | 0.042 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PB | 0.035 | 0.019 | 0.016 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.040 | 0.043 | 0.025 | 0.5 | 0.037 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PB | 0.03 | 0.018 | 0.018 | 0.5 | 0.023 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PF | 0.014 | 0.019 | 0.017 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PF | 0.016 | 0.025 | 0.019 | 0.5 | 0.020 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PF | 0.011 | 0.028 | 0.017 | 0.5 | 0.018 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PF | 0.018 | 0.029 | 0.012 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PF | 0.011 | 0.025 | 0.008 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PF | 0.018 | 0.012 | 0.01 | 0.5 | 0.013 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PF | 0.013 | 0.018 | 0.015 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PF | 0.024 | 0.017 | 0.017 | 0.5 | 0.020 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PF | 0.02 | 0.016 | 0.013 | 0.5 | 0.017 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.014 | 0.018 | 0.019 | 0.5 | 0.018 | 0.01 | 0.01 |
| Roof | HAF4013A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.018 | 0.014 | 0.01 | 0.5 | 0.015 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PF | 0.002 | 0.004 | 0.003 | 0.5 | 0.003 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PF | 0.003 | 0.004 | 0.003 | 0.5 | 0.003 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PF | 0.004 | 0.004 | 0.003 | 0.5 | 0.004 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PF | 0.004 | 0.003 | 0.002 | 0.5 | 0.003 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PF | 0.006 | 0.008 | 0.004 | 0.5 | 0.006 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PF | 0.004 | 0.010 | 0.007 | 0.5 | 0.007 | 0.00 | 0.00 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PF | 0.009 | 0.019 | 0.009 | 0.5 | 0.012 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PF | 0.023 | 0.010 | 0.014 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PF | 0.029 | 0.030 | 0.008 | 0.5 | 0.023 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.020 | 0.025 | 0.015 | 0.5 | 0.021 | 0.01 | 0.01 |
| Roof | HAF4014A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.021 | 0.014 | 0.011 | 0.5 | 0.016 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PF | 0.015 | 0.022 | 0.017 | 0.5 | 0.018 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PF | 0.017 | 0.024 | 0.018 | 0.5 | 0.019 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PF | 0.013 | 0.016 | 0.014 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PF | 0.01 | 0.026 | 0.013 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PF | 0.013 | 0.021 | 0.007 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PF | 0.016 | 0.016 | 0.01 | 0.5 | 0.014 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PF | 0.01 | 0.025 | 0.011 | 0.5 | 0.015 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PF | 0.023 | 0.018 | 0.019 | 0.5 | 0.020 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PF | 0.021 | 0.016 | 0.01 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.017 | 0.016 | 0.014 | 0.5 | 0.016 | 0.01 | 0.01 |
| Roof | HAF4016A, 1/4 Wave, (762-870MHz) | 2.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.016 | 0.014 | 0.008 | 0.5 | 0.013 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

## Table F.2 (Continued)

## APX6500 7/800MHz - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 762.0125 | 36.0 | 35.2 | CW | E | 0.98 | PF | 0.032 | 0.042 | 0.033 | 0.5 | 0.035 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 769.0125 | 36.0 | 35.2 | CW | E | 0.99 | PF | 0.033 | 0.038 | 0.034 | 0.5 | 0.035 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 772.0000 | 36.0 | 35.0 | CW | E | 0.99 | PF | 0.029 | 0.038 | 0.033 | 0.5 | 0.033 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 774.9875 | 36.0 | 34.9 | CW | E | 0.99 | PF | 0.016 | 0.049 | 0.021 | 0.5 | 0.028 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 794.0125 | 36.0 | 34.6 | CW | E | 1.00 | PF | 0.026 | 0.044 | 0.015 | 0.5 | 0.028 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 799.0125 | 36.0 | 35.5 | CW | E | 1.00 | PF | 0.026 | 0.027 | 0.019 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 811.5000 | 42.0 | 42.0 | CW | E | 1.01 | PF | 0.014 | 0.035 | 0.018 | 0.5 | 0.022 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 823.9875 | 42.0 | 40.8 | CW | E | 1.01 | PF | 0.046 | 0.028 | 0.021 | 0.5 | 0.032 | 0.02 | 0.02 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 851.0125 | 42.0 | 41.8 | CW | E | 1.03 | PF | 0.034 | 0.024 | 0.011 | 0.5 | 0.024 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 860.5000 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.022 | 0.026 | 0.016 | 0.5 | 0.022 | 0.01 | 0.01 |
| Roof | HAF4017A, 1/4 Wave, (762-870MHz) | 5.15 | 868.9875 | 42.0 | 41.1 | CW | E | 1.04 | PF | 0.021 | 0.017 | 0.011 | 0.5 | 0.017 | 0.01 | 0.01 |

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

# Appendix G – MPE Test Results Summary for Companion Device (DVR UHF)

# Table G.1

## DVR UHF - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | BS1 | 0.001 | 0.001 | 0.002 | 0.003 | 0.007 | 0.007 | 0.007 | 0.008 | 0.007 | 0.008 | 1.0 | 0.005 | 0.005 | 0.005 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | BS1 | 0.002 | 0.003 | 0.002 | 0.003 | 0.005 | 0.006 | 0.007 | 0.009 | 0.011 | 0.011 | 1.0 | 0.006 | 0.006 | 0.006 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | BS1 | 0.002 | 0.004 | 0.003 | 0.003 | 0.005 | 0.008 | 0.010 | 0.011 | 0.011 | 0.013 | 1.0 | 0.007 | 0.007 | 0.007 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | BS2 | 0.002 | 0.003 | 0.009 | 0.012 | 0.012 | 0.013 | 0.019 | 0.029 | 0.027 | 0.027 | 1.0 | 0.015 | 0.02 | 0.016 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | BS2 | 0.001 | 0.002 | 0.006 | 0.008 | 0.015 | 0.022 | 0.024 | 0.026 | 0.022 | 0.023 | 1.0 | 0.015 | 0.01 | 0.015 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | BS2 | 0.002 | 0.005 | 0.008 | 0.009 | 0.010 | 0.017 | 0.022 | 0.023 | 0.025 | 0.022 | 1.0 | 0.014 | 0.01 | 0.015 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | BS3 | 0.007 | 0.007 | 0.009 | 0.014 | 0.015 | 0.022 | 0.030 | 0.033 | 0.035 | 0.037 | 1.0 | 0.021 | 0.02 | 0.021 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | BS3 | 0.005 | 0.006 | 0.007 | 0.014 | 0.018 | 0.022 | 0.030 | 0.034 | 0.037 | 0.034 | 1.0 | 0.021 | 0.02 | 0.021 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | BS3 | 0.008 | 0.009 | 0.010 | 0.015 | 0.021 | 0.033 | 0.036 | 0.035 | 0.036 | 0.045 | 1.0 | 0.025 | 0.02 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | BS4 | 0.012 | 0.015 | 0.019 | 0.030 | 0.041 | 0.047 | 0.060 | 0.059 | 0.065 | 0.054 | 1.0 | 0.040 | 0.040 | 0.041 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | BS4 | 0.011 | 0.014 | 0.020 | 0.031 | 0.041 | 0.058 | 0.063 | 0.059 | 0.046 | 0.048 | 1.0 | 0.039 | 0.04 | 0.039 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | BS4 | 0.012 | 0.015 | 0.019 | 0.026 | 0.035 | 0.041 | 0.045 | 0.050 | 0.052 | 0.045 | 1.0 | 0.034 | 0.03 | 0.035 |

MPE calculations are defined in section 15.0.

## Table G.1 (Continued)

## DVR UHF - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | BS5 | 0.022 | 0.022 | 0.022 | 0.023 | 0.026 | 0.033 | 0.050 | 0.060 | 0.051 | 0.041 | 1.0 | 0.035 | 0.03 | 0.036 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | BS5 | 0.014 | 0.016 | 0.017 | 0.017 | 0.021 | 0.023 | 0.033 | 0.033 | 0.039 | 0.046 | 1.0 | 0.026 | 0.03 | 0.026 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | BS5 | 0.016 | 0.014 | 0.014 | 0.014 | 0.017 | 0.025 | 0.027 | 0.032 | 0.029 | 0.036 | 1.0 | 0.022 | 0.02 | 0.023 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | BS1 | 0.002 | 0.004 | 0.004 | 0.006 | 0.008 | 0.011 | 0.012 | 0.016 | 0.014 | 0.016 | 1.0 | 0.009 | 0.01 | 0.010 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | BS1 | 0.001 | 0.003 | 0.003 | 0.004 | 0.007 | 0.01 | 0.012 | 0.011 | 0.011 | 0.01 | 1.0 | 0.007 | 0.01 | 0.007 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS1 | 0.002 | 0.002 | 0.002 | 0.002 | 0.004 | 0.007 | 0.008 | 0.01 | 0.006 | 0.009 | 1.0 | 0.005 | 0.01 | 0.005 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | BS2 | 0.002 | 0.005 | 0.006 | 0.006 | 0.009 | 0.013 | 0.018 | 0.021 | 0.022 | 0.023 | 1.0 | 0.013 | 0.01 | 0.013 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | BS2 | 0.002 | 0.003 | 0.005 | 0.005 | 0.01 | 0.015 | 0.021 | 0.022 | 0.024 | 0.027 | 1.0 | 0.013 | 0.01 | 0.014 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS2 | 0.002 | 0.003 | 0.003 | 0.004 | 0.009 | 0.015 | 0.019 | 0.018 | 0.02 | 0.027 | 1.0 | 0.012 | 0.01 | 0.012 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | BS3 | 0.009 | 0.01 | 0.014 | 0.022 | 0.027 | 0.035 | 0.037 | 0.039 | 0.04 | 0.038 | 1.0 | 0.027 | 0.03 | 0.028 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | BS3 | 0.009 | 0.009 | 0.013 | 0.018 | 0.024 | 0.032 | 0.033 | 0.033 | 0.044 | 0.038 | 1.0 | 0.025 | 0.03 | 0.026 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS3 | 0.007 | 0.007 | 0.012 | 0.017 | 0.022 | 0.035 | 0.045 | 0.047 | 0.04 | 0.028 | 1.0 | 0.026 | 0.03 | 0.027 |

MPE calculations are defined in section 15.0.

## Table G.1 (Continued)

## DVR UHF - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | BS4 | 0.014 | 0.017 | 0.023 | 0.031 | 0.04 | 0.047 | 0.053 | 0.073 | 0.078 | 0.061 | 1.0 | 0.044 | 0.045 | 0.045 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | BS4 | 0.01 | 0.013 | 0.015 | 0.021 | 0.025 | 0.035 | 0.05 | 0.062 | 0.062 | 0.057 | 1.0 | 0.035 | 0.04 | 0.036 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS4 | 0.013 | 0.015 | 0.02 | 0.027 | 0.027 | 0.036 | 0.047 | 0.064 | 0.059 | 0.059 | 1.0 | 0.037 | 0.04 | 0.038 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | BS5 | 0.015 | 0.012 | 0.012 | 0.018 | 0.028 | 0.038 | 0.033 | 0.039 | 0.041 | 0.032 | 1.0 | 0.027 | 0.03 | 0.027 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | BS5 | 0.01 | 0.009 | 0.009 | 0.016 | 0.024 | 0.04 | 0.041 | 0.039 | 0.037 | 0.031 | 1.0 | 0.026 | 0.03 | 0.027 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS5 | 0.009 | 0.009 | 0.012 | 0.02 | 0.036 | 0.041 | 0.044 | 0.045 | 0.03 | 0.029 | 1.0 | 0.028 | 0.03 | 0.029 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS1 | 0.001 | 0.002 | 0.001 | 0.002 | 0.004 | 0.006 | 0.008 | 0.011 | 0.009 | 0.011 | 1.0 | 0.006 | 0.01 | 0.006 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | BS1 | 0.002 | 0.002 | 0.001 | 0.003 | 0.005 | 0.006 | 0.008 | 0.009 | 0.009 | 0.011 | 1.0 | 0.006 | 0.01 | 0.006 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | BS1 | 0.002 | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.006 | 0.007 | 0.01 | 0.011 | 1.0 | 0.005 | 0.01 | 0.005 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | BS1 | 0.004 | 0.004 | 0.004 | 0.005 | 0.004 | 0.005 | 0.007 | 0.008 | 0.009 | 0.015 | 1.0 | 0.007 | 0.01 | 0.007 |

MPE calculations are defined in section 15.0.

## Table G.1 (Continued)

## DVR UHF - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS2 | 0.002 | 0.003 | 0.003 | 0.004 | 0.007 | 0.01 | 0.014 | 0.017 | 0.019 | 0.024 | 1.0 | 0.010 | 0.01 | 0.011 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | BS2 | 0.004 | 0.005 | 0.005 | 0.007 | 0.009 | 0.015 | 0.017 | 0.018 | 0.022 | 0.033 | 1.0 | 0.014 | 0.01 | 0.015 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | BS2 | 0.003 | 0.003 | 0.006 | 0.01 | 0.012 | 0.014 | 0.019 | 0.027 | 0.034 | 0.035 | 1.0 | 0.016 | 0.02 | 0.018 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | BS2 | 0.004 | 0.006 | 0.009 | 0.014 | 0.019 | 0.024 | 0.034 | 0.039 | 0.04 | 0.036 | 1.0 | 0.023 | 0.02 | 0.024 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS3 | 0.007 | 0.007 | 0.012 | 0.016 | 0.025 | 0.033 | 0.041 | 0.044 | 0.039 | 0.029 | 1.0 | 0.025 | 0.03 | 0.026 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | BS3 | 0.007 | 0.008 | 0.012 | 0.019 | 0.029 | 0.029 | 0.033 | 0.042 | 0.042 | 0.036 | 1.0 | 0.026 | 0.03 | 0.028 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | BS3 | 0.007 | 0.007 | 0.011 | 0.015 | 0.021 | 0.028 | 0.037 | 0.037 | 0.041 | 0.027 | 1.0 | 0.023 | 0.02 | 0.025 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | BS3 | 0.01 | 0.01 | 0.011 | 0.015 | 0.023 | 0.028 | 0.031 | 0.031 | 0.035 | 0.034 | 1.0 | 0.023 | 0.02 | 0.025 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS4 | 0.011 | 0.013 | 0.017 | 0.024 | 0.027 | 0.036 | 0.042 | 0.056 | 0.054 | 0.049 | 1.0 | 0.033 | 0.03 | 0.034 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | BS4 | 0.014 | 0.014 | 0.015 | 0.02 | 0.028 | 0.04 | 0.054 | 0.056 | 0.055 | 0.05 | 1.0 | 0.035 | 0.04 | 0.038 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | BS4 | 0.015 | 0.013 | 0.017 | 0.019 | 0.024 | 0.033 | 0.051 | 0.061 | 0.054 | 0.043 | 1.0 | 0.033 | 0.03 | 0.036 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | BS4 | 0.013 | 0.01 | 0.015 | 0.02 | 0.028 | 0.044 | 0.05 | 0.056 | 0.053 | 0.045 | 1.0 | 0.033 | 0.04 | 0.036 |

MPE calculations are defined in section 15.0.

## Table G.1 (Continued)

## DVR UHF - MPE measurement data for Bystander

| D.U.T. Info. | | | | | | | Probe Info. | | Test Pos. | MPE Measurements | | | | | | | | | | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Bystander (BS) Positions | | | | | | | | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 120 cm | 140 cm | 160 cm | 180 cm | 200 cm | | | | |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | BS5 | 0.009 | 0.009 | 0.013 | 0.022 | 0.031 | 0.047 | 0.049 | 0.054 | 0.036 | 0.033 | 1.0 | 0.030 | 0.03 | 0.032 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | BS5 | 0.011 | 0.01 | 0.017 | 0.025 | 0.03 | 0.04 | 0.053 | 0.046 | 0.059 | 0.04 | 1.0 | 0.033 | 0.03 | 0.036 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | BS5 | 0.011 | 0.009 | 0.013 | 0.013 | 0.027 | 0.037 | 0.043 | 0.056 | 0.052 | 0.037 | 1.0 | 0.030 | 0.03 | 0.032 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | BS5 | 0.009 | 0.009 | 0.012 | 0.016 | 0.025 | 0.028 | 0.04 | 0.049 | 0.045 | 0.039 | 1.0 | 0.027 | 0.03 | 0.030 |

MPE calculations are defined in section 15.0.

# Table G.2

## DVR UHF - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | PB | 0.059 | 0.154 | 0.092 | 1.0 | 0.102 | 0.10 | 0.104 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | PB | 0.081 | 0.096 | 0.098 | 1.0 | 0.092 | 0.09 | 0.092 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | PB | 0.081 | 0.036 | 0.069 | 1.0 | 0.062 | 0.06 | 0.065 |
| | | | | | | | | | | | | | | | | |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 406.5000 | 10.00 | 9.68 | CW | E | 0.99 | PF | 0.051 | 0.062 | 0.015 | 1.0 | 0.043 | 0.04 | 0.044 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 417.5000 | 10.00 | 9.90 | CW | E | 0.99 | PF | 0.031 | 0.047 | 0.007 | 1.0 | 0.028 | 0.03 | 0.028 |
| Trunk | HAE6012A, 1/4 Wave (380-433MHz) | 2.15 | 429.9875 | 10.00 | 9.60 | CW | E | 1.00 | PF | 0.033 | 0.045 | 0.023 | 1.0 | 0.034 | 0.03 | 0.035 |
| | | | | | | | | | | | | | | | | |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | PB | 0.177 | 0.094 | 0.178 | 1.0 | 0.150 | 0.15 | 0.153 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | PB | 0.187 | 0.138 | 0.144 | 1.0 | 0.156 | 0.161 | 0.163 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | PB | 0.157 | 0.097 | 0.094 | 1.0 | 0.116 | 0.12 | 0.121 |

MPE calculations are defined in section 15.0.

## Table G.2 (Continued)

## DVR UHF - MPE measurement data for Passenger

| D.U.T. Info. | | | | | | | Probe Info. | | | MPE Measurements | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Passenger/Operator (MC) Positions | | | | | | |
| Ant Loc. | Ant. Model/ Desc. | Ant. Gain (dBi) | Tx Freq (MHz) | Max Pwr (W) | Initial Pwr (W) | Test Mode | E/H Field | Probe Cal. Factor | Test Pos. | Head/ Top 1/3 | Chest/ Middle 1/3 | Lower Trunk/ Bottom 1/3 | DUT Max. TX Factor | Avg. over Body (mW/ cm2) | Calc. P.D. (mW/ cm2) | Max Calc. P.D. (mW/ cm2) |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 450.0000 | 10.00 | 9.96 | CW | E | 1.02 | PF | 0.036 | 0.037 | 0.037 | 1.0 | 0.037 | 0.04 | 0.038 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 460.0000 | 10.00 | 9.90 | CW | E | 1.03 | PF | 0.042 | 0.043 | 0.039 | 1.0 | 0.041 | 0.04 | 0.043 |
| Trunk | HAE4003A, 1/4 Wave (450-470MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | PF | 0.03 | 0.046 | 0.037 | 1.0 | 0.038 | 0.04 | 0.039 |
| | | | | | | | | | | | | | | | | |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | PB | 0.175 | 0.098 | 0.118 | 1.0 | 0.130 | 0.14 | 0.136 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | PB | 0.219 | 0.075 | 0.14 | 1.0 | 0.145 | 0.15 | 0.158 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | PB | 0.126 | 0.076 | 0.062 | 1.0 | 0.088 | 0.09 | 0.095 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | PB | 0.127 | 0.16 | 0.11 | 1.0 | 0.132 | 0.14 | 0.144 |
| | | | | | | | | | | | | | | | | |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 470.0000 | 10.00 | 10.00 | CW | E | 1.04 | PF | 0.021 | 0.029 | 0.038 | 1.0 | 0.029 | 0.03 | 0.031 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 484.0000 | 10.00 | 9.61 | CW | E | 1.05 | PF | 0.023 | 0.034 | 0.020 | 1.0 | 0.026 | 0.03 | 0.028 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 498.0000 | 10.00 | 9.83 | CW | E | 1.06 | PF | 0.031 | 0.033 | 0.028 | 1.0 | 0.031 | 0.03 | 0.033 |
| Trunk | HAE4004A, 1/4 Wave (470-512MHz) | 2.15 | 512.0000 | 10.00 | 9.75 | CW | E | 1.06 | PF | 0.022 | 0.025 | 0.055 | 1.0 | 0.034 | 0.04 | 0.037 |

MPE calculations are defined in section 15.0.