




**DECLARATION OF COMPLIANCE: MPE ASSESSMENT Part 2 of 2**

<b>Motorola Solutions Inc.</b> <b>EME Test Laboratory</b> Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	<b>Date of Report:</b> 04/24/2020 <b>Report Revision:</b> A
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<b>Responsible Engineer:</b> <b>Report author:</b> <b>Date(s) Tested:</b> <b>Manufacturer:</b> <b>Date submitted for test:</b> <b>DUT Description:</b> <b>Test TX mode(s):</b> <b>Max. Power output:</b>  <b>TX Frequency Bands:</b>  <b>Signaling type:</b> <b>Model(s) Tested:</b> <b>Model(s) Certified:</b>  <b>Serial Number(s):</b> <b>Classification:</b> <b>Applicant Name:</b> <b>Applicant Address:</b> <b>FCC ID:</b>  <b>IC:</b>	Goh Jue Yie (EME Engineer) Goh Jue Yie (EME Engineer) 2/17/2017-3/17/2017; 3/25/2020 - 3/27/2020 Futurecom Systems Group (DVR), Motorola Solutions. Inc (Mobile) 01/13/2017; 03/25/2020 <b>APX6500 VHF:</b> Multiple HW Encryption WiFi Interoperability Data Modem Tethering via WiFi or Cable <b>Companion Device:</b> DVR VHF (136-174 MHz), Digital Vehicular Repeater CW <b>APX6500 VHF:</b> 60W (136-174 MHz); 11.2 mW (Bluetooth); 6.3 mW (Bluetooth LE); 39.8mW (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) <b>Companion Device:</b> 6W (DVR VHF) <b>APX6500 VHF:</b> 136-174 MHz; WLAN 2412-2462 MHz; WLAN 5180-5825 MHz; BT 2402-2480 MHz <b>Companion Device:</b> 136-174 MHz FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz) <b>APX6500 VHF:</b> M25KSS9PW1BN (PMUD3490A) <b>Companion Device:</b> MOBEXCOM DVRS VHF (DQPMDV3000P) M22KSS9PW1BN (PMUD3490A), M24KSS9PW1BN (PMUD3490A), M25KSS9PW1BN (PMUD3490A), M36KSS9PW1BN (PMUD3490A), MOBEXCOM DVRS VHF (DQPMDV3000P) 471TWD5463 (APX6500 VHF) , 16082232 (DVR VHF) Occupational/Controlled Environment Motorola Solutions Inc. 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322 <b>APX6500 VHF:</b> AZ492FT7130 (150.8-173.4 MHz, 2402-2480 MHz, 2412-2462 MHz; 5180-5825 MHz) <b>Companion Device:</b> LO6-DVRSVHF (150.8-173.4MHz) This report contains results that are immaterial for FCC equipment approval, which are clearly identified. <b>APX6500 VHF:</b> 109U-92FT7130 <b>Companion Device:</b> 2098-DVRSVHF This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified.
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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.

 <b>Tiong Nguk Ing</b> Deputy Technical Manager (Approved Signatory) Approval Date: 5/23/2020	
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**Appendix D – MPE Test Results Summary for APX6500 VHF**

**Table D.1**

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:

Blue fonts: Frequencies not regulated by FCC.

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

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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	20.9	0.13	32.4
						58.0	140.0000	0.03	0.20	15.6	0.13	24.2
						57.7	144.0000	0.05	0.20	23.3	0.13	36.1
Roof	BS2	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	19.6	0.13	30.3
						58.0	140.0000	0.05	0.20	23.0	0.13	35.6
						57.7	144.0000	0.06	0.20	29.6	0.13	<b>45.9</b>
Roof	BS3	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.03	0.20	14.0	0.13	21.7
						58.0	140.0000	0.04	0.20	18.0	0.13	27.8
						57.7	144.0000	0.03	0.20	15.4	0.13	23.8
Roof	BS4	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	17.6	0.13	27.2
						58.0	140.0000	0.03	0.20	14.6	0.13	22.7
						57.7	144.0000	0.02	0.20	11.6	0.13	18.0
Roof	BS5	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.01	0.20	6.9	0.13	10.8
						58.0	140.0000	0.01	0.20	7.0	0.13	10.8
						57.7	144.0000	0.01	0.20	6.9	0.13	10.6
Roof	BS1	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	23.7	0.13	36.8
						57.9	150.8000	0.03	0.20	16.5	0.13	25.5
Roof	BS2	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	24.2	0.13	37.5
						57.9	150.8000	0.04	0.20	22.0	0.13	34.1
Roof	BS3	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.03	0.20	13.5	0.13	20.9
						57.9	150.8000	0.04	0.20	19.8	0.13	30.6
Roof	BS4	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz),	60	57.7	144.0000	0.02	0.20	9.6	0.13	14.9
						57.9	150.8000	0.03	0.20	15.0	0.13	23.2
Roof	BS5	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.01	0.20	5.8	0.13	9.0
						57.9	150.8000	0.03	0.20	15.4	0.13	23.9

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:

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

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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	14.1	0.13	21.8
						58.4	156.4000	0.05	0.20	22.5	0.13	34.9
						59.0	162.0000	0.04	0.20	21.8	0.13	33.8
Roof	BS2	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.04	0.20	20.0	0.13	30.9
						58.4	156.4000	0.06	0.20	<b>29.1</b>	0.13	45.1
						59.0	162.0000	0.04	0.20	22.4	0.13	34.8
Roof	BS3	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	48	57.9	150.8000	0.03	0.20	16.9	0.13	26.2
						58.4	156.4000	0.03	0.20	16.7	0.13	25.8
						59.0	162.0000	0.03	0.20	13.7	0.13	21.3
Roof	BS4	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	14.0	0.13	21.7
						58.4	156.4000	0.03	0.20	15.2	0.13	23.6
						59.0	162.0000	0.03	0.20	14.5	0.13	22.5
Roof	BS5	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	13.7	0.13	21.2
						58.4	156.4000	0.02	0.20	8.7	0.13	13.4
						59.0	162.0000	0.03	0.20	15.6	0.13	24.2

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - roof 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	18.0	0.13	28.0
						59.4	165.0125	0.03	0.20	15.3	0.13	23.7
						58.8	173.0125	0.03	0.20	13.1	0.13	20.3
Roof	BS2	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	21.4	0.13	33.1
						59.4	165.0125	0.04	0.20	20.2	0.13	31.2
						58.8	173.0125	0.04	0.20	21.1	0.13	32.7
Roof	BS3	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.02	0.20	11.1	0.13	17.2
						59.4	165.0125	0.02	0.20	12.4	0.13	19.2
						58.8	173.0125	0.03	0.20	13.6	0.13	21.0
Roof	BS4	E	4	HAD4009A, 1/4 Wave (162-174 MHz),	60	59.0	162.0000	0.02	0.20	12.2	0.13	19.0
						59.4	165.0125	0.03	0.20	15.9	0.13	24.7
						58.8	173.0125	0.02	0.20	8.9	0.13	13.8
Roof	BS5	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.03	0.20	13.0	0.13	20.1
						59.4	165.0125	0.03	0.20	13.3	0.13	20.6
						58.8	173.0125	0.02	0.20	7.9	0.13	12.3

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	18.8	0.13	29.2
						57.7	144.0000	0.04	0.20	21.9	0.13	34.0
						57.9	150.8000	0.03	0.20	14.4	0.13	22.3
						58.4	156.4000	0.04	0.20	18.4	0.13	28.5
						59.0	162.0000	0.03	0.20	16.4	0.13	25.4
Roof	BS2	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.03	0.20	15.6	0.13	24.2
						57.7	144.0000	0.05	0.20	24.2	0.13	37.5
						57.9	150.8000	0.04	0.20	21.3	0.13	33.0
						58.4	156.4000	0.05	0.20	24.5	0.13	38.0
						59.0	162.0000	0.04	0.20	18.7	0.13	29.0
Roof	BS3	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.02	0.20	10.7	0.13	16.6
						57.7	144.0000	0.02	0.20	12.3	0.13	19.0
						57.9	150.8000	0.04	0.20	17.8	0.13	27.6
						58.4	156.4000	0.03	0.20	13.5	0.13	21.0
						59.0	162.0000	0.02	0.20	10.3	0.13	15.9
Roof	BS4	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.02	0.20	9.8	0.13	15.1
						57.7	144.0000	0.02	0.20	9.5	0.13	14.7
						57.9	150.8000	0.03	0.20	13.5	0.13	20.9
						58.4	156.4000	0.03	0.20	13.3	0.13	20.6
						59.0	162.0000	0.02	0.20	11.1	0.13	17.2
Roof	BS5	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.01	0.20	5.0	0.13	7.7
						57.7	144.0000	0.01	0.20	5.5	0.13	8.5
						57.9	150.8000	0.03	0.20	14.3	0.13	22.2
						58.4	156.4000	0.02	0.20	7.7	0.13	11.9
						59.0	162.0000	0.02	0.20	10.9	0.13	16.9

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.03	0.20	13.4	0.13	20.8
						57.9	150.8000	0.02	0.20	12.3	0.13	19.0
						58.5	158.0125	0.04	0.20	18.5	0.13	28.7
						59.4	165.0125	0.03	0.20	16.6	0.13	25.7
						58.8	173.0125	0.02	0.20	12.0	0.13	18.6
Roof	BS2	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.03	0.20	13.8	0.13	21.4
						57.9	150.8000	0.04	0.20	17.8	0.13	27.6
						58.5	158.0125	0.06	0.20	27.8	0.13	43.1
						59.4	165.0125	0.04	0.20	21.2	0.13	32.8
						58.8	173.0125	0.04	0.20	18.8	0.13	29.2
Roof	BS3	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	7.1	0.13	11.0
						57.9	150.8000	0.03	0.20	14.1	0.13	21.8
						58.5	158.0125	0.03	0.20	14.0	0.13	21.8
						59.4	165.0125	0.03	0.20	14.0	0.13	21.7
						58.8	173.0125	0.03	0.20	12.9	0.13	20.0
Roof	BS4	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	5.3	0.13	8.2
						57.9	150.8000	0.02	0.20	11.7	0.13	18.1
						58.5	158.0125	0.03	0.20	12.7	0.13	19.7
						59.4	165.0125	0.03	0.20	17.1	0.13	26.4
						58.8	173.0125	0.02	0.20	8.3	0.13	12.8
Roof	BS5	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	3.2	0.13	4.9
						57.9	150.8000	0.02	0.20	11.4	0.13	17.6
						58.5	158.0125	0.02	0.20	8.8	0.13	13.7
						59.4	165.0125	0.03	0.20	13.0	0.13	20.1
						58.8	173.0125	0.02	0.20	7.8	0.13	12.1

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.03	0.20	13.8	0.13	21.4
						57.7	144.0000	0.04	0.20	21.5	0.13	33.3
						57.9	150.8000	0.03	0.20	13.7	0.13	21.2
						58.5	158.0125	0.03	0.20	16.8	0.13	26.0
						59.4	165.0125	0.03	0.20	13.5	0.13	20.9
						58.8	173.0125	0.02	0.20	10.5	0.13	16.3
Roof	BS2	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	11.4	0.13	17.7
						57.7	144.0000	0.05	0.20	22.9	0.13	35.5
						57.9	150.8000	0.04	0.20	18.5	0.13	28.6
						58.5	158.0125	0.05	0.20	22.7	0.13	35.1
						59.4	165.0125	0.03	0.20	15.4	0.13	23.9
						58.8	173.0125	0.03	0.20	15.9	0.13	24.6
Roof	BS3	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	8.6	0.13	13.4
						57.7	144.0000	0.02	0.20	12.4	0.13	19.2
						57.9	150.8000	0.03	0.20	16.4	0.13	25.3
						58.5	158.0125	0.03	0.20	12.6	0.13	19.4
						59.4	165.0125	0.02	0.20	11.2	0.13	17.3
						58.8	173.0125	0.02	0.20	11.2	0.13	17.3
Roof	BS4	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.01	0.20	7.2	0.13	11.2
						57.7	144.0000	0.02	0.20	9.3	0.13	14.3
						57.9	150.8000	0.02	0.20	12.5	0.13	19.3
						58.5	158.0125	0.02	0.20	11.1	0.13	17.2
						59.4	165.0125	0.03	0.20	13.4	0.13	20.7
						58.8	173.0125	0.01	0.20	6.5	0.13	10.1
Roof	BS5	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.01	0.20	3.1	0.13	4.9
						57.7	144.0000	0.01	0.20	5.5	0.13	8.6
						57.9	150.8000	0.03	0.20	12.9	0.13	19.9
						58.5	158.0125	0.02	0.20	8.0	0.13	12.3
						59.4	165.0125	0.02	0.20	11.0	0.13	17.1
						58.8	173.0125	0.01	0.20	6.6	0.13	10.2



**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.03	0.20	14.0	0.13	21.7
						57.7	144.0000	0.03	0.20	14.7	0.13	22.7
						57.9	150.8000	0.03	0.20	13.5	0.13	21.0
						58.5	158.0125	0.03	0.20	15.5	0.13	24.0
						59.4	165.0125	0.04	0.20	17.7	0.13	27.5
						58.8	173.0125	0.03	0.20	13.2	0.13	20.5
Roof	BS2	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.9	0.13	15.4
						57.7	144.0000	0.04	0.20	19.0	0.13	29.4
						57.9	150.8000	0.03	0.20	13.1	0.13	20.2
						58.5	158.0125	0.04	0.20	21.1	0.13	32.7
						59.4	165.0125	0.03	0.20	17.4	0.13	26.9
						58.8	173.0125	0.04	0.20	18.0	0.13	27.8
Roof	BS3	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.01	0.20	6.4	0.13	10.0
						57.7	144.0000	0.02	0.20	10.5	0.13	16.2
						57.9	150.8000	0.02	0.20	9.9	0.13	15.4
						58.5	158.0125	0.03	0.20	14.0	0.13	21.8
						59.4	165.0125	0.02	0.20	12.3	0.13	19.0
						58.8	173.0125	0.03	0.20	13.8	0.13	21.4
Roof	BS4	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.0	0.13	13.9
						57.7	144.0000	0.02	0.20	9.7	0.13	15.0
						57.9	150.8000	0.02	0.20	8.6	0.13	13.3
						58.5	158.0125	0.02	0.20	10.8	0.13	16.8
						59.4	165.0125	0.03	0.20	14.0	0.13	21.7
						58.8	173.0125	0.02	0.20	8.4	0.13	12.9
Roof	BS5	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.01	0.20	4.5	0.13	6.9
						57.7	144.0000	0.01	0.20	5.4	0.13	8.3
						57.9	150.8000	0.02	0.20	10.4	0.13	16.2
						58.5	158.0125	0.01	0.20	6.0	0.13	9.3
						59.4	165.0125	0.03	0.20	12.6	0.13	19.5
						58.8	173.0125	0.01	0.20	6.7	0.13	10.4

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	11.8	0.13	18.3
						57.7	144.0000	0.02	0.20	11.5	0.13	17.8
						57.9	150.8000	0.03	0.20	13.5	0.13	20.9
						58.5	158.0125	0.03	0.20	15.5	0.13	24.0
						59.4	165.0125	0.03	0.20	15.9	0.13	24.6
						58.8	173.0125	0.03	0.20	16.9	0.13	26.2
Roof	BS2	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	7.7	0.13	11.9
						57.7	144.0000	0.02	0.20	11.8	0.13	18.3
						57.9	150.8000	0.02	0.20	11.1	0.13	17.2
						58.5	158.0125	0.03	0.20	16.6	0.13	25.8
						59.4	165.0125	0.02	0.20	11.5	0.13	17.8
						58.8	173.0125	0.04	0.20	19.5	0.13	30.2
Roof	BS3	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	4.4	0.13	6.8
						57.7	144.0000	0.01	0.20	7.2	0.13	11.2
						57.9	150.8000	0.01	0.20	5.6	0.13	8.7
						58.5	158.0125	0.02	0.20	12.5	0.13	19.3
						59.4	165.0125	0.02	0.20	7.7	0.13	11.9
						58.8	173.0125	0.03	0.20	14.9	0.13	23.1
Roof	BS4	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.1	0.13	9.4
						57.7	144.0000	0.02	0.20	8.1	0.13	12.6
						57.9	150.8000	0.01	0.20	4.7	0.13	7.2
						58.5	158.0125	0.02	0.20	9.1	0.13	14.1
						59.4	165.0125	0.02	0.20	7.6	0.13	11.8
						58.8	173.0125	0.02	0.20	9.8	0.13	15.2
Roof	BS5	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.00	0.20	1.9	0.13	3.0
						57.7	144.0000	0.01	0.20	3.9	0.13	6.0
						57.9	150.8000	0.01	0.20	5.8	0.13	8.9
						58.5	158.0125	0.01	0.20	3.9	0.13	6.0
						59.4	165.0125	0.01	0.20	6.7	0.13	10.4
						58.8	173.0125	0.01	0.20	6.1	0.13	9.4

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	22.1	0.13	34.2
						58.0	140.0000	0.04	0.20	20.8	0.13	32.2
						57.7	144.0000	0.05	0.20	23.9	0.13	37.1
Roof	BS2	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.05	0.20	22.6	0.13	35.0
						58.0	140.0000	0.05	0.20	25.2	0.13	39.1
						57.7	144.0000	0.05	0.20	27.3	0.13	42.3
Roof	BS3	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.05	0.20	23.3	0.13	36.1
						58.0	140.0000	0.05	0.20	27.5	0.13	42.5
						57.7	144.0000	0.05	0.20	24.0	0.13	37.2
Roof	BS4	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.03	0.20	16.3	0.13	25.2
						58.0	140.0000	0.03	0.20	16.4	0.13	25.4
						57.7	144.0000	0.03	0.20	12.7	0.13	19.7
Roof	BS5	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.02	0.20	9.3	0.13	14.4
						58.0	140.0000	0.02	0.20	8.0	0.13	12.4
						57.7	144.0000	0.02	0.20	9.3	0.13	14.4
Roof	BS1	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.04	0.20	21.8	0.13	33.7
						57.9	150.8000	0.04	0.20	18.0	0.13	27.9
Roof	BS2	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	24.7	0.13	38.3
						57.9	150.8000	0.04	0.20	21.9	0.13	34.0
Roof	BS3	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.04	0.20	20.6	0.13	31.9
						57.9	150.8000	0.05	0.20	26.3	0.13	40.8
Roof	BS4	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz),	60	57.7	144.0000	0.02	0.20	10.9	0.13	16.9
						57.9	150.8000	0.04	0.20	17.7	0.13	27.4
Roof	BS5	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.01	0.20	7.4	0.13	11.4
						57.9	150.8000	0.03	0.20	16.7	0.13	25.9

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - roof 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	16.6	0.13	25.8
						58.4	156.4000	0.05	0.20	23.8	0.13	36.9
						59.0	162.0000	0.04	0.20	20.5	0.13	31.7
Roof	BS2	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.04	0.20	20.0	0.13	31.0
						58.4	156.4000	0.06	0.20	28.3	0.13	43.8
						59.0	162.0000	0.05	0.20	22.8	0.13	35.3
Roof	BS3	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	48	57.9	150.8000	0.05	0.20	23.6	0.13	36.6
						58.4	156.4000	0.05	0.20	24.2	0.13	37.6
						59.0	162.0000	0.04	0.20	20.0	0.13	31.0
Roof	BS4	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	16.6	0.13	25.7
						58.4	156.4000	0.04	0.20	17.8	0.13	27.6
						59.0	162.0000	0.03	0.20	15.7	0.13	24.3
Roof	BS5	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	12.9	0.13	20.0
						58.4	156.4000	0.02	0.20	11.8	0.13	18.2
						59.0	162.0000	0.03	0.20	13.3	0.13	20.6

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - roof 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.03	0.20	17.5	0.13	27.1
						59.4	165.0125	0.03	0.20	15.4	0.13	23.9
						58.8	173.0125	0.03	0.20	16.1	0.13	25.0
Roof	BS2	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	20.1	0.13	31.2
						59.4	165.0125	0.04	0.20	20.7	0.13	32.1
						58.8	173.0125	0.04	0.20	21.3	0.13	32.9
Roof	BS3	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	18.1	0.13	28.0
						59.4	165.0125	0.04	0.20	20.7	0.13	32.1
						58.8	173.0125	0.04	0.20	20.8	0.13	32.2
Roof	BS4	H	4	HAD4009A, 1/4 Wave (162-174 MHz),	60	59.0	162.0000	0.03	0.20	14.1	0.13	21.8
						59.4	165.0125	0.03	0.20	16.0	0.13	24.8
						58.8	173.0125	0.02	0.20	10.0	0.13	15.4
Roof	BS5	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.02	0.20	9.8	0.13	15.2
						59.4	165.0125	0.03	0.20	13.4	0.13	20.8
						58.8	173.0125	0.02	0.20	10.2	0.13	15.8

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	19.3	0.13	29.9
						57.7	144.0000	0.05	0.20	22.7	0.13	35.1
						57.9	150.8000	0.03	0.20	16.8	0.13	26.1
						58.4	156.4000	0.04	0.20	20.0	0.13	30.9
						59.0	162.0000	0.03	0.20	15.2	0.13	23.6
Roof	BS2	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	20.5	0.13	31.8
						57.7	144.0000	0.05	0.20	26.5	0.13	41.1
						57.9	150.8000	0.04	0.20	20.9	0.13	32.3
						58.4	156.4000	0.05	0.20	24.0	0.13	37.2
						59.0	162.0000	0.04	0.20	17.9	0.13	27.7
Roof	BS3	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	20.9	0.13	32.3
						57.7	144.0000	0.04	0.20	20.1	0.13	31.1
						57.9	150.8000	0.05	0.20	24.4	0.13	37.8
						58.4	156.4000	0.04	0.20	20.9	0.13	32.3
						59.0	162.0000	0.03	0.20	16.5	0.13	25.5
Roof	BS4	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.03	0.20	14.3	0.13	22.1
						57.7	144.0000	0.02	0.20	12.1	0.13	18.7
						57.9	150.8000	0.03	0.20	16.1	0.13	25.0
						58.4	156.4000	0.03	0.20	14.7	0.13	22.8
						59.0	162.0000	0.02	0.20	11.8	0.13	18.3
Roof	BS5	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.01	0.20	7.1	0.13	11.0
						57.7	144.0000	0.01	0.20	7.3	0.13	11.3
						57.9	150.8000	0.02	0.20	12.0	0.13	18.6
						58.4	156.4000	0.01	0.20	6.6	0.13	10.2
						59.0	162.0000	0.02	0.20	11.0	0.13	17.0

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.03	0.20	13.1	0.13	20.4
						57.9	150.8000	0.03	0.20	14.5	0.13	22.4
						58.5	158.0125	0.04	0.20	20.0	0.13	31.0
						59.4	165.0125	0.03	0.20	15.3	0.13	23.7
						58.8	173.0125	0.03	0.20	14.5	0.13	22.5
Roof	BS2	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.02	0.20	11.8	0.13	18.3
						57.9	150.8000	0.03	0.20	16.0	0.13	24.7
						58.5	158.0125	0.04	0.20	18.9	0.13	29.3
						59.4	165.0125	0.04	0.20	18.0	0.13	27.9
						58.8	173.0125	0.04	0.20	18.6	0.13	28.7
Roof	BS3	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.02	0.20	11.5	0.13	17.8
						57.9	150.8000	0.04	0.20	19.9	0.13	30.8
						58.5	158.0125	0.04	0.20	21.0	0.13	32.6
						59.4	165.0125	0.04	0.20	21.4	0.13	33.2
						58.8	173.0125	0.04	0.20	18.6	0.13	28.7
Roof	BS4	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.02	0.20	7.8	0.13	12.1
						57.9	150.8000	0.03	0.20	14.8	0.13	22.9
						58.5	158.0125	0.03	0.20	14.4	0.13	22.3
						59.4	165.0125	0.03	0.20	16.1	0.13	24.9
						58.8	173.0125	0.02	0.20	8.5	0.13	13.2
Roof	BS5	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	5.4	0.13	8.3
						57.9	150.8000	0.02	0.20	10.0	0.13	15.5
						58.5	158.0125	0.02	0.20	8.6	0.13	13.4
						59.4	165.0125	0.03	0.20	12.7	0.13	19.7
						58.8	173.0125	0.02	0.20	9.8	0.13	15.2

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.03	0.20	14.8	0.13	22.9
						57.7	144.0000	0.04	0.20	19.5	0.13	30.2
						57.9	150.8000	0.02	0.20	12.1	0.13	18.8
						58.5	158.0125	0.03	0.20	14.8	0.13	22.9
						59.4	165.0125	0.02	0.20	12.2	0.13	18.9
						58.8	173.0125	0.02	0.20	10.0	0.13	15.4
Roof	BS2	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	10.8	0.13	16.8
						57.7	144.0000	0.04	0.20	22.0	0.13	34.2
						57.9	150.8000	0.03	0.20	16.8	0.13	26.0
						58.5	158.0125	0.04	0.20	19.8	0.13	30.6
						59.4	165.0125	0.03	0.20	15.3	0.13	23.8
						58.8	173.0125	0.03	0.20	16.5	0.13	25.6
Roof	BS3	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.03	0.20	15.2	0.13	23.5
						57.7	144.0000	0.04	0.20	19.8	0.13	30.7
						57.9	150.8000	0.04	0.20	21.6	0.13	33.4
						58.5	158.0125	0.04	0.20	18.7	0.13	28.9
						59.4	165.0125	0.03	0.20	16.8	0.13	26.0
						58.8	173.0125	0.03	0.20	15.9	0.13	24.6
Roof	BS4	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	10.3	0.13	16.0
						57.7	144.0000	0.02	0.20	11.0	0.13	17.1
						57.9	150.8000	0.03	0.20	16.6	0.13	25.8
						58.5	158.0125	0.03	0.20	13.6	0.13	21.0
						59.4	165.0125	0.03	0.20	12.8	0.13	19.9
						58.8	173.0125	0.02	0.20	7.9	0.13	12.3
Roof	BS5	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	8.2	0.13	12.7
						57.7	144.0000	0.02	0.20	8.5	0.13	13.2
						57.9	150.8000	0.03	0.20	14.7	0.13	22.8
						58.5	158.0125	0.02	0.20	10.9	0.13	16.8
						59.4	165.0125	0.03	0.20	12.5	0.13	19.4
						58.8	173.0125	0.02	0.20	9.3	0.13	14.5



**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	10.7	0.13	16.6
						57.7	144.0000	0.03	0.20	13.7	0.13	21.2
						57.9	150.8000	0.02	0.20	10.8	0.13	16.8
						58.5	158.0125	0.03	0.20	15.2	0.13	23.5
						59.4	165.0125	0.03	0.20	16.9	0.13	26.2
						58.8	173.0125	0.03	0.20	13.3	0.13	20.5
Roof	BS2	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.1	0.13	14.1
						57.7	144.0000	0.03	0.20	15.7	0.13	24.4
						57.9	150.8000	0.02	0.20	11.3	0.13	17.5
						58.5	158.0125	0.04	0.20	18.5	0.13	28.7
						59.4	165.0125	0.03	0.20	14.6	0.13	22.6
						58.8	173.0125	0.03	0.20	16.8	0.13	26.0
Roof	BS3	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.5	0.13	14.7
						57.7	144.0000	0.03	0.20	13.7	0.13	21.3
						57.9	150.8000	0.03	0.20	12.6	0.13	19.5
						58.5	158.0125	0.03	0.20	17.3	0.13	26.8
						59.4	165.0125	0.03	0.20	16.3	0.13	25.3
						58.8	173.0125	0.03	0.20	16.1	0.13	24.9
Roof	BS4	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	12.1	0.13	18.7
						57.7	144.0000	0.02	0.20	11.8	0.13	18.2
						57.9	150.8000	0.03	0.20	12.7	0.13	19.7
						58.5	158.0125	0.03	0.20	14.1	0.13	21.9
						59.4	165.0125	0.03	0.20	14.9	0.13	23.0
						58.8	173.0125	0.02	0.20	9.5	0.13	14.8
Roof	BS5	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	8.5	0.13	13.2
						57.7	144.0000	0.02	0.20	8.7	0.13	13.5
						57.9	150.8000	0.02	0.20	12.4	0.13	19.3
						58.5	158.0125	0.02	0.20	9.0	0.13	14.0
						59.4	165.0125	0.03	0.20	12.5	0.13	19.4
						58.8	173.0125	0.02	0.20	8.9	0.13	13.8

**Table D.1 (Continued)**

MPE assessment for APX6500 VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	9.3	0.13	14.4
						57.7	144.0000	0.02	0.20	9.8	0.13	15.2
						57.9	150.8000	0.02	0.20	9.5	0.13	14.8
						58.5	158.0125	0.03	0.20	14.5	0.13	22.5
						59.4	165.0125	0.03	0.20	13.9	0.13	21.6
						58.8	173.0125	0.04	0.20	18.3	0.13	28.4
Roof	BS2	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.9	0.13	10.7
						57.7	144.0000	0.02	0.20	10.9	0.13	16.9
						57.9	150.8000	0.02	0.20	9.3	0.13	14.3
						58.5	158.0125	0.02	0.20	11.7	0.13	18.2
						59.4	165.0125	0.02	0.20	9.9	0.13	15.3
						58.8	173.0125	0.04	0.20	17.7	0.13	27.5
Roof	BS3	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.8	0.13	10.5
						57.7	144.0000	0.02	0.20	8.8	0.13	13.6
						57.9	150.8000	0.01	0.20	7.4	0.13	11.4
						58.5	158.0125	0.03	0.20	12.6	0.13	19.5
						59.4	165.0125	0.02	0.20	8.2	0.13	12.7
						58.8	173.0125	0.03	0.20	13.0	0.13	20.1
Roof	BS4	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	9.4	0.13	14.5
						57.7	144.0000	0.02	0.20	11.7	0.13	18.1
						57.9	150.8000	0.02	0.20	9.0	0.13	13.9
						58.5	158.0125	0.03	0.20	12.8	0.13	19.8
						59.4	165.0125	0.02	0.20	9.4	0.13	14.6
						58.8	173.0125	0.02	0.20	10.0	0.13	15.5
Roof	BS5	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.0	0.13	9.3
						57.7	144.0000	0.02	0.20	7.6	0.13	11.8
						57.9	150.8000	0.02	0.20	8.1	0.13	12.6
						58.5	158.0125	0.01	0.20	7.0	0.13	10.9
						59.4	165.0125	0.02	0.20	7.6	0.13	11.7
						58.8	173.0125	0.02	0.20	8.0	0.13	12.4

**Table D.2**

**MPE assessment for APX6500 VHF - roof mounted antenna – Passenger Back**

Note:

Blue fonts: Frequencies not regulated by FCC.

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

Trunk / Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PB	E	1	HAD4006A, 1/4 Wave, (136-144MHz)	60	58.1	136.0000	0.21	0.20	103.4	0.13	*160.3
						58.0	140.0000	0.22	0.20	110.6	0.13	*171.4
						57.7	144.0000	0.21	0.20	102.6	0.13	*159.0
			2	HAD4007A, 1/4 Wave, (144-150.8 MHz)	60	57.7	144.0000	0.19	0.20	95.3	0.13	*147.6
						57.9	150.8000	0.22	0.20	*108.9	0.13	*168.7
			3	HAD4008A, 1/4 Wave, (150.8-162 MHz)	60	57.9	150.8000	0.19	0.20	93.5	0.13	*144.9
						58.4	156.4000	0.22	0.20	*109.1	0.13	*169.0
						59.0	162.0000	0.23	0.20	<b>*114.6</b>	0.13	<b>*177.6</b>
			4	HAD4009A, 1/4 Wave, (162-174MHz)	60	59.0	162.0000	0.21	0.20	*106.6	0.13	*165.1
						59.4	165.0125	0.21	0.20	*103.4	0.13	*160.1
						58.8	173.0125	0.13	0.20	65.9	0.13	*102.1
			5	HD4016A, 1/4 Wave, (136-162MHz)	60	58.1	136.0000	0.19	0.20	96.0	0.13	*148.7
						57.7	144.0000	0.19	0.20	94.5	0.13	*146.4
						57.9	150.8000	0.20	0.20	97.6	0.13	*151.2
						58.4	156.4000	0.18	0.20	91.7	0.13	*142.1
						59.0	162.0000	0.18	0.20	88.6	0.13	*137.3
			6	HAD4017A, 1/2 Wave, (146-174MHz)	60	57.7	146.0000	0.12	0.20	57.9	0.13	89.7
						57.9	150.8000	0.17	0.20	83.9	0.13	*130.0
						58.5	158.0125	0.20	0.20	*100.4	0.13	*155.6
						59.4	165.0125	0.22	0.20	*109.8	0.13	*170.1
						58.8	173.0125	0.13	0.20	62.9	0.13	97.4
			7	HAD4021A, 1/4 Wave, (136-174MHz)	60	58.1	136.0000	0.15	0.20	76.9	0.13	*119.2
						57.7	144.0000	0.17	0.20	83.4	0.13	*129.3
						57.9	150.8000	0.17	0.20	83.6	0.13	*129.5
						58.5	158.0125	0.18	0.20	87.6	0.13	*135.7
						59.4	165.0125	0.18	0.20	88.9	0.13	*137.7
						58.8	173.0125	0.11	0.20	54.3	0.13	84.1

**Table D.2 (Continued)**

MPE assessment for APX6500 VHF - roof mounted antenna – Passenger Back

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PB	E	8	HAD4022A, 5/8 Wave, (132-174MHz)	60	58.1	136.0000	0.03	0.20	12.9	0.13	19.9
						57.7	144.0000	0.04	0.20	19.2	0.13	29.7
						57.9	150.8000	0.03	0.20	16.6	0.13	25.7
						58.5	158.0125	0.05	0.20	26.0	0.13	40.2
						59.4	165.0125	0.09	0.20	43.2	0.13	66.9
						58.8	173.0125	0.06	0.20	32.3	0.13	50.0
			9	RAD4010ARB, 1/2 Wave, (136-174MHz)	60	58.1	136.0000	0.01	0.20	4.6	0.13	7.1
						57.7	144.0000	0.03	0.20	14.2	0.13	22.0
						57.9	150.8000	0.02	0.20	12.0	0.13	18.6
						58.5	158.0125	0.02	0.20	12.3	0.13	19.0
						59.4	165.0125	0.04	0.20	17.9	0.13	27.8
						58.8	173.0125	0.04	0.20	21.1	0.13	32.7
Roof	PB	H	1	HAD4006A, 1/4 Wave, (136-144MHz)	60	58.1	136.0000	0.07	0.20	34.7	0.13	53.8
						58.0	140.0000	0.06	0.20	29.6	0.13	45.8
						57.7	144.0000	0.06	0.20	29.8	0.13	46.2
			2	HAD4007A, 1/4 Wave, (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	27.4	0.13	42.4
						57.9	150.8000	0.07	0.20	32.7	0.13	50.7
			3	HAD4008A, 1/4 Wave, (150.8-162 MHz)	60	57.9	150.8000	0.05	0.20	25.6	0.13	39.7
						58.4	156.4000	0.08	0.20	38.4	0.13	59.4
						59.0	162.0000	0.07	0.20	37.1	0.13	57.5
			4	HAD4009A, 1/4 Wave, (162-174MHz)	60	59.0	162.0000	0.07	0.20	32.7	0.13	50.6
						59.4	165.0125	0.07	0.20	33.4	0.13	51.7
						58.8	173.0125	0.05	0.20	26.9	0.13	41.7
			5	HD4016A, 1/4 Wave, (136-162MHz)	60	58.1	136.0000	0.06	0.20	30.3	0.13	46.9
						57.7	144.0000	0.05	0.20	26.7	0.13	41.3
						57.9	150.8000	0.06	0.20	28.1	0.13	43.6
						58.4	156.4000	0.07	0.20	32.7	0.13	50.7
						59.0	162.0000	0.06	0.20	28.8	0.13	44.6
			6	HAD4017A, 1/2 Wave, (146-174MHz)	60	57.7	146.0000	0.03	0.20	16.4	0.13	25.4
						57.9	150.8000	0.05	0.20	24.4	0.13	37.9
						58.5	158.0125	0.07	0.20	33.8	0.13	52.4
						59.4	165.0125	0.06	0.20	31.7	0.13	49.1
						58.8	173.0125	0.05	0.20	24.9	0.13	38.6

**Table D.2 (Continued)**

MPE assessment for APX6500 VHF - roof mounted antenna – Passenger Back

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PB	H	7	HAD4021A, 1/4 Wave, (136-174MHz)	60	58.1	136.0000	0.05	0.20	23.5	0.13	36.4
						57.7	144.0000	0.05	0.20	23.4	0.13	36.3
						57.9	150.8000	0.05	0.20	24.1	0.13	37.3
						58.5	158.0125	0.06	0.20	31.3	0.13	48.5
						59.4	165.0125	0.06	0.20	29.2	0.13	45.2
						58.8	173.0125	0.04	0.20	22.1	0.13	34.2
			8	HAD4022A, 5/8 Wave, (132-174MHz)	60	58.1	136.0000	0.01	0.20	4.9	0.13	7.6
						57.7	144.0000	0.02	0.20	8.8	0.13	13.7
						57.9	150.8000	0.02	0.20	7.9	0.13	12.3
						58.5	158.0125	0.02	0.20	10.7	0.13	16.6
						59.4	165.0125	0.04	0.20	20.0	0.13	31.0
						58.8	173.0125	0.03	0.20	13.6	0.13	21.1
			9	RAD4010ARB, 1/2 Wave, (136-174MHz)	60	58.1	136.0000	0.01	0.20	2.9	0.13	4.5
						57.7	144.0000	0.01	0.20	5.5	0.13	8.6
						57.9	150.8000	0.01	0.20	5.6	0.13	8.7
						58.5	158.0125	0.01	0.20	6.9	0.13	10.8
						59.4	165.0125	0.02	0.20	9.0	0.13	13.9
						58.8	173.0125	0.02	0.20	10.8	0.13	16.7

**Table D.2 (Continued)**

MPE assessment for APX6500 VHF - roof mounted antenna – Passenger Front

Note:

Blue fonts: Frequencies not regulated by FCC.

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

Trunk / Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	E	1	HAD4006A, 1/4 Wave, (136-144MHz)	60	58.1	136.0000	0.06	0.20	29.2	0.13	45.2
						58.0	140.0000	0.05	0.20	25.2	0.13	39.1
						57.7	144.0000	0.05	0.20	25.8	0.13	<b>40.0</b>
			2	HAD4007A, 1/4 Wave, (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	25.7	0.13	39.8
						57.9	150.8000	0.04	0.20	22.5	0.13	34.8
			3	HAD4008A, 1/4 Wave, (150.8-162 MHz)	60	57.9	150.8000	0.04	0.20	18.7	0.13	28.9
						58.4	156.4000	0.03	0.20	14.1	0.13	21.8
						59.0	162.0000	0.05	0.20	<b>25.2</b>	0.13	39.0
			4	HAD4009A, 1/4 Wave, (162-174MHz)	60	59.0	162.0000	0.04	0.20	21.3	0.13	32.9
						59.4	165.0125	0.04	0.20	21.1	0.13	32.7
						58.8	173.0125	0.04	0.20	21.8	0.13	33.7
			5	HD4016A, 1/4 Wave, (136-162MHz)	60	58.1	136.0000	0.05	0.20	24.2	0.13	37.5
						57.7	144.0000	0.04	0.20	21.0	0.13	32.6
						57.9	150.8000	0.04	0.20	22.3	0.13	34.5
						58.4	156.4000	0.03	0.20	12.8	0.13	19.9
			6	HAD4017A, 1/2 Wave, (146-174MHz)	60	57.7	146.0000	0.02	0.20	11.1	0.13	17.3
						57.9	150.8000	0.04	0.20	18.8	0.13	29.2
						58.5	158.0125	0.03	0.20	13.8	0.13	21.3
						59.4	165.0125	0.04	0.20	19.7	0.13	30.5
						58.8	173.0125	0.04	0.20	19.6	0.13	30.4
			7	HAD4021A, 1/4 Wave, (136-174MHz)	60	58.1	136.0000	0.04	0.20	18.3	0.13	28.4
						57.7	144.0000	0.05	0.20	22.7	0.13	35.2
						57.9	150.8000	0.04	0.20	18.6	0.13	28.8
						58.5	158.0125	0.02	0.20	11.0	0.13	17.0
						59.4	165.0125	0.03	0.20	15.2	0.13	23.5
						58.8	173.0125	0.03	0.20	17.4	0.13	27.0

**Table D.2 (Continued)**

MPE assessment for APX6500 VHF - roof mounted antenna – Passenger Front

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	E	8	HAD4022A, 5/8 Wave, (132-174MHz)	60	58.1	136.0000	0.01	0.20	4.9	0.13	7.6
						57.7	144.0000	0.02	0.20	7.9	0.13	12.2
						57.9	150.8000	0.01	0.20	4.8	0.13	7.4
						58.5	158.0125	0.01	0.20	4.0	0.13	6.2
						59.4	165.0125	0.02	0.20	11.1	0.13	17.2
						58.8	173.0125	0.02	0.20	9.5	0.13	14.6
		9	RAD4010ARB, 1/2 Wave, (136-174MHz)	60	58.1	136.0000	0.01	0.20	5.9	0.13	9.2	
					57.7	144.0000	0.00	0.20	2.4	0.13	3.7	
					57.9	150.8000	0.01	0.20	6.4	0.13	10.0	
					58.5	158.0125	0.00	0.20	1.2	0.13	1.9	
					59.4	165.0125	0.01	0.20	3.7	0.13	5.7	
					58.8	173.0125	0.01	0.20	6.5	0.13	10.1	
Roof	PF	H	1	HAD4006A, 1/4 Wave, (136-144MHz)	60	58.1	136.0000	0.06	0.20	32.2	0.13	49.9
						58.0	140.0000	0.04	0.20	21.3	0.13	33.0
						57.7	144.0000	0.04	0.20	21.7	0.13	33.5
			2	HAD4007A, 1/4 Wave, (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	23.4	0.13	36.3
						57.9	150.8000	0.03	0.20	16.7	0.13	25.9
			3	HAD4008A, 1/4 Wave, (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	13.7	0.13	21.3
						58.4	156.4000	0.03	0.20	13.6	0.13	21.0
						59.0	162.0000	0.04	0.20	21.4	0.13	33.1
			4	HAD4009A, 1/4 Wave, (162-174MHz)	60	59.0	162.0000	0.04	0.20	20.9	0.13	32.3
						59.4	165.0125	0.03	0.20	16.1	0.13	24.9
						58.8	173.0125	0.03	0.20	17.1	0.13	26.5
			5	HD4016A, 1/4 Wave, (136-162MHz)	60	58.1	136.0000	0.05	0.20	26.5	0.13	41.1
		57.7				144.0000	0.04	0.20	17.8	0.13	27.6	
		57.9				150.8000	0.02	0.20	12.0	0.13	18.6	
		58.4				156.4000	0.03	0.20	13.6	0.13	21.1	
		6	HAD4017A, 1/2 Wave, (146-174MHz)	60	59.0	162.0000	0.03	0.20	15.1	0.13	23.4	
					57.7	146.0000	0.02	0.20	9.2	0.13	14.3	
					57.9	150.8000	0.03	0.20	12.6	0.13	19.5	
					58.5	158.0125	0.03	0.20	12.9	0.13	20.0	
					59.4	165.0125	0.03	0.20	16.6	0.13	25.7	
		58.8	173.0125	0.03	0.20	14.2	0.13	22.0				

**Table D.2 (Continued)**

**MPE assessment for APX6500 VHF - roof mounted antenna – Passenger Front**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	H	7	HAD4021A, 1/4 Wave, (136-174MHz)	60	58.1	136.0000	0.05	0.20	24.3	0.13	37.6
						57.7	144.0000	0.04	0.20	17.7	0.13	27.4
						57.9	150.8000	0.04	0.20	17.7	0.13	27.5
						58.5	158.0125	0.03	0.20	12.7	0.13	19.6
						59.4	165.0125	0.03	0.20	12.9	0.13	20.0
						58.8	173.0125	0.03	0.20	12.9	0.13	20.0
			8	HAD4022A, 5/8 Wave, (132-174MHz)	60	58.1	136.0000	0.01	0.20	6.8	0.13	10.5
						57.7	144.0000	0.01	0.20	6.6	0.13	10.2
						57.9	150.8000	0.01	0.20	6.2	0.13	9.6
						58.5	158.0125	0.01	0.20	6.7	0.13	10.4
						59.4	165.0125	0.02	0.20	9.8	0.13	15.2
						58.8	173.0125	0.01	0.20	6.0	0.13	9.4
			9	RAD4010ARB, 1/2 Wave, (136-174MHz)	60	58.1	136.0000	0.01	0.20	5.0	0.13	7.7
						57.7	144.0000	0.01	0.20	2.8	0.13	4.3
						57.9	150.8000	0.01	0.20	5.0	0.13	7.8
						58.5	158.0125	0.01	0.20	2.7	0.13	4.1
						59.4	165.0125	0.01	0.20	2.8	0.13	4.4
						58.8	173.0125	0.01	0.20	4.6	0.13	7.1



**Table D.3**  
**APX6500 VHF MPE Results for FCC**

Note:

Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	Pinitial (W)	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Table	Test Post.	Trunk / Roof	E/H Field	Antenna No.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
					136.0000	140.0000	144.0000	146.0000	150.8000	156.4000	158.0125	162.0000	165.0125	173.0125
D.1	BS1	Roof	E	1	0.04	0.03	0.05							
D.1	BS2	Roof	E	1	0.04	0.05	0.06							
D.1	BS3	Roof	E	1	0.03	0.04	0.03							
D.1	BS4	Roof	E	1	0.04	0.03	0.02							
D.1	BS5	Roof	E	1	0.01	0.01	0.01							
D.1	BS1	Roof	E	2			0.05		0.03					
D.1	BS2	Roof	E	2			0.05		0.04					
D.1	BS3	Roof	E	2			0.03		0.04					
D.1	BS4	Roof	E	2			0.02		0.03					
D.1	BS5	Roof	E	2			0.01		0.03					
D.1	BS1	Roof	E	3					0.03	0.05		0.04		
D.1	BS2	Roof	E	3					0.04	0.06		0.04		
D.1	BS3	Roof	E	3					0.03	0.03		0.03		
D.1	BS4	Roof	E	3					0.03	0.03		0.03		
D.1	BS5	Roof	E	3					0.03	0.02		0.03		
D.1	BS1	Roof	E	4								0.04	0.03	0.03
D.1	BS2	Roof	E	4								0.04	0.04	0.04
D.1	BS3	Roof	E	4								0.02	0.02	0.03
D.1	BS4	Roof	E	4								0.02	0.03	0.02
D.1	BS5	Roof	E	4								0.03	0.03	0.02
D.1	BS1	Roof	E	5	0.04		0.04		0.03	0.04		0.03		
D.1	BS2	Roof	E	5	0.03		0.05		0.04	0.05		0.04		
D.1	BS3	Roof	E	5	0.02		0.02		0.04	0.03		0.02		
D.1	BS4	Roof	E	5	0.02		0.02		0.03	0.03		0.02		
D.1	BS5	Roof	E	5	0.01		0.01		0.03	0.02		0.02		
D.1	BS1	Roof	E	6				0.03	0.02		0.04		0.03	0.02
D.1	BS2	Roof	E	6				0.03	0.04		0.06		0.04	0.04
D.1	BS3	Roof	E	6				0.01	0.03		0.03		0.03	0.03
D.1	BS4	Roof	E	6				0.01	0.02		0.03		0.03	0.02
D.1	BS5	Roof	E	6				0.01	0.02		0.02		0.03	0.02
D.1	BS1	Roof	E	7	0.03		0.04		0.03		0.03		0.03	0.02
D.1	BS2	Roof	E	7	0.02		0.05		0.04		0.05		0.03	0.03
D.1	BS3	Roof	E	7	0.02		0.02		0.03		0.03		0.02	0.02
D.1	BS4	Roof	E	7	0.01		0.02		0.02		0.02		0.03	0.01
D.1	BS5	Roof	E	7	0.01		0.01		0.03		0.02		0.02	0.01

### Table D.3 (Continued)

#### APX6500 VHF MPE Results for FCC

Note:

Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	Pinitial (W)	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Table	Test Post.	Trunk / Roof	E/H Field	Antenna No.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
					136.0000	140.0000	144.0000	146.0000	150.8000	156.4000	158.0125	162.0000	165.0125	173.0125
D.1	BS1	Roof	E	8	0.03		0.03		0.03		0.03		0.04	0.03
D.1	BS2	Roof	E	8	0.02		0.04		0.03		0.04		0.03	0.04
D.1	BS3	Roof	E	8	0.01		0.02		0.02		0.03		0.02	0.03
D.1	BS4	Roof	E	8	0.02		0.02		0.02		0.02		0.03	0.02
D.1	BS5	Roof	E	8	0.01		0.01		0.02		0.01		0.03	0.01
D.1	BS1	Roof	E	9	0.02		0.02		0.03		0.03		0.03	0.03
D.1	BS2	Roof	E	9	0.02		0.02		0.02		0.03		0.02	0.04
D.1	BS3	Roof	E	9	0.01		0.01		0.01		0.02		0.02	0.03
D.1	BS4	Roof	E	9	0.01		0.02		0.01		0.02		0.02	0.02
D.1	BS5	Roof	E	9	0		0.01		0.01		0.01		0.01	0.01
D.2	PB	Roof	E	1	0.21	0.22	0.21							
D.2	PB	Roof	E	2			0.19		0.22					
D.2	PB	Roof	E	3					0.19	0.22		0.23		
D.2	PB	Roof	E	4								0.21	0.21	0.13
D.2	PB	Roof	E	5	0.19		0.19		0.2	0.18		0.18		
D.2	PB	Roof	E	6				0.12	0.17		0.2		0.22	0.13
D.2	PB	Roof	E	7	0.15		0.17		0.17		0.18		0.18	0.11
D.2	PB	Roof	E	8	0.03		0.04		0.03		0.05		0.09	0.06
D.2	PB	Roof	E	9	0.01		0.03		0.02		0.02		0.04	0.04
D.2	PF	Roof	E	1	0.06	0.05	0.05							
D.2	PF	Roof	E	2			0.05		0.04					
D.2	PF	Roof	E	3					0.04	0.03		0.05		
D.2	PF	Roof	E	4								0.04	0.04	0.04
D.2	PF	Roof	E	5	0.05		0.04		0.04	0.03		0.04		
D.2	PF	Roof	E	6				0.02	0.04		0.03		0.04	0.04
D.2	PF	Roof	E	7	0.04		0.05		0.04		0.02		0.03	0.03
D.2	PF	Roof	E	8	0.01		0.02		0.01		0.01		0.02	0.02
D.2	PF	Roof	E	9	0.01		0		0.01		0		0.01	0.01

### Table D.3 (Continued)

#### APX6500 VHF MPE Results for FCC

Note:

Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	Pinitial (W)									
	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Table	Test Post.	Trunk / Roof	E/H Field	Antenna No.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
					136.0000	140.0000	144.0000	146.0000	150.8000	156.4000	158.0125	162.0000	165.0125	173.0125
D.1	BS1	Roof	H	1	0.04	0.04	0.05							
D.1	BS2	Roof	H	1	0.05	0.05	0.05							
D.1	BS3	Roof	H	1	0.05	0.05	0.05							
D.1	BS4	Roof	H	1	0.03	0.03	0.03							
D.1	BS5	Roof	H	1	0.02	0.02	0.02							
D.1	BS1	Roof	H	2			0.04		0.04					
D.1	BS2	Roof	H	2			0.05		0.04					
D.1	BS3	Roof	H	2			0.04		0.05					
D.1	BS4	Roof	H	2			0.02		0.04					
D.1	BS5	Roof	H	2			0.01		0.03					
D.1	BS1	Roof	H	3					0.03	0.05		0.04		
D.1	BS2	Roof	H	3					0.04	0.06		0.05		
D.1	BS3	Roof	H	3					0.05	0.05		0.04		
D.1	BS4	Roof	H	3					0.03	0.04		0.03		
D.1	BS5	Roof	H	3					0.03	0.02		0.03		
D.1	BS1	Roof	H	4								0.03	0.03	0.03
D.1	BS2	Roof	H	4								0.04	0.04	0.04
D.1	BS3	Roof	H	4								0.04	0.04	0.04
D.1	BS4	Roof	H	4								0.03	0.03	0.02
D.1	BS5	Roof	H	4								0.02	0.03	0.02
D.1	BS1	Roof	H	5	0.04		0.05		0.03	0.04		0.03		
D.1	BS2	Roof	H	5	0.04		0.05		0.04	0.05		0.04		
D.1	BS3	Roof	H	5	0.04		0.04		0.05	0.04		0.03		
D.1	BS4	Roof	H	5	0.03		0.02		0.03	0.03		0.02		
D.1	BS5	Roof	H	5	0.01		0.01		0.02	0.01		0.02		
D.1	BS1	Roof	H	6				0.03	0.03		0.04		0.03	0.03
D.1	BS2	Roof	H	6				0.02	0.03		0.04		0.04	0.04
D.1	BS3	Roof	H	6				0.02	0.04		0.04		0.04	0.04
D.1	BS4	Roof	H	6				0.02	0.03		0.03		0.03	0.02
D.1	BS5	Roof	H	6				0.01	0.02		0.02		0.03	0.02
D.1	BS1	Roof	H	7	0.03		0.04		0.02		0.03		0.02	0.02
D.1	BS2	Roof	H	7	0.02		0.04		0.03		0.04		0.03	0.03
D.1	BS3	Roof	H	7	0.03		0.04		0.04		0.04		0.03	0.03
D.1	BS4	Roof	H	7	0.02		0.02		0.03		0.03		0.03	0.02
D.1	BS5	Roof	H	7	0.02		0.02		0.03		0.02		0.03	0.02

### Table D.3 (Continued)

#### APX6500 VHF MPE Results for FCC

Note:

Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	Pinitial (W)	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Table	Test Post.	Trunk / Roof	E/H Field	Antenna No.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
					136.0000	140.0000	144.0000	146.0000	150.8000	156.4000	158.0125	162.0000	165.0125	173.0125
D.1	BS1	Roof	H	8	0.02		0.03		0.02		0.03		0.03	0.03
D.1	BS2	Roof	H	8	0.02		0.03		0.02		0.04		0.03	0.03
D.1	BS3	Roof	H	8	0.02		0.03		0.03		0.03		0.03	0.03
D.1	BS4	Roof	H	8	0.02		0.02		0.03		0.03		0.03	0.02
D.1	BS5	Roof	H	8	0.02		0.02		0.02		0.02		0.03	0.02
D.1	BS1	Roof	H	9	0.02		0.02		0.03		0.03	0.04	0.02	
D.1	BS2	Roof	H	9	0.02		0.02		0.02		0.02	0.04	0.02	
D.1	BS3	Roof	H	9	0.02		0.01		0.03		0.02	0.03	0.02	
D.1	BS4	Roof	H	9	0.02		0.02		0.03		0.02	0.02	0.02	
D.1	BS5	Roof	H	9	0.02		0.02		0.01		0.02	0.02	0.02	
D.2	PB	Roof	H	1	0.07	0.06	0.06							
D.2	PB	Roof	H	2			0.05		0.07					
D.2	PB	Roof	H	3					0.05	0.08		0.07		
D.2	PB	Roof	H	4								0.07	0.07	0.05
D.2	PB	Roof	H	5	0.06		0.05		0.06	0.07		0.06		
D.2	PB	Roof	H	6				0.03	0.05		0.07		0.06	0.05
D.2	PB	Roof	H	7	0.05		0.05		0.05		0.06		0.06	0.04
D.2	PB	Roof	H	8	0.01		0.02		0.02		0.02		0.04	0.03
D.2	PB	Roof	H	9	0.01		0.01		0.01		0.01		0.02	0.02
D.2	PF	Roof	H	1	0.06	0.04	0.04							
D.2	PF	Roof	H	2			0.05		0.03					
D.2	PF	Roof	H	3					0.03	0.03		0.04		
D.2	PF	Roof	H	4								0.04	0.03	0.03
D.2	PF	Roof	H	5	0.05		0.04		0.02	0.03		0.03		
D.2	PF	Roof	H	6				0.02	0.03		0.03		0.03	0.03
D.2	PF	Roof	H	7	0.05		0.04		0.04		0.03		0.03	0.03
D.2	PF	Roof	H	8	0.01		0.01		0.01		0.01		0.02	0.01
D.2	PF	Roof	H	9	0.01		0.01		0.01		0.01		0.01	0.01

**Appendix E – MPE Test Results Summary for Companion Device (DVR VHF)**

**Table E.1**

**MPE assessment for DVR VHF - trunk 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS1	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.013	0.20	6.5	0.13	10.1
						5.83	144.0000	0.012	0.20	6.1	0.13	9.5
Trunk	BS1	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.012	0.20	5.8	0.13	9.0
						5.83	144.0000	0.010	0.20	5.1	0.13	7.9
Trunk	BS2	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.020	0.20	10.0	0.13	15.5
						5.83	144.0000	0.015	0.20	7.3	0.13	11.4
Trunk	BS2	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.019	0.20	9.6	0.13	14.8
						5.83	144.0000	0.019	0.20	9.5	0.13	14.8
Trunk	BS3	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.029	0.20	14.7	0.13	22.8
						5.83	144.0000	0.026	0.20	13.2	0.13	20.4
Trunk	BS3	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.023	0.20	11.6	0.13	18.0
						5.83	144.0000	0.015	0.20	7.6	0.13	11.8
Trunk	BS4	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.027	0.20	13.7	0.13	21.3
						5.83	144.0000	0.025	0.20	12.5	0.13	19.4
Trunk	BS4	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.022	0.20	11.1	0.13	17.1
						5.83	144.0000	0.017	0.20	8.6	0.13	13.3
Trunk	BS5	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.019	0.20	9.7	0.13	15.1
						5.83	144.0000	0.021	0.20	10.4	0.13	16.2
Trunk	BS5	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.018	0.20	9.1	0.13	14.1
						5.83	144.0000	0.019	0.20	9.3	0.13	14.3
Trunk	BS1	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.015	0.20	7.5	0.13	11.6
						5.81	150.8000	0.006	0.20	3.1	0.13	4.7
Trunk	BS1	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.010	0.20	5.1	0.13	7.9
						5.81	150.8000	0.012	0.20	5.9	0.13	9.1
Trunk	BS2	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.017	0.20	8.5	0.13	13.1
						5.81	150.8000	0.012	0.20	5.8	0.13	9.0

**Table E.1 (Continued)**

MPE assessment for DVR VHF - trunk 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS2	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.018	0.20	8.8	0.13	13.7
						5.81	150.8000	0.015	0.20	7.3	0.13	11.4
Trunk	BS3	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.028	0.20	13.9	0.13	21.5
						5.81	150.8000	0.029	0.20	14.7	0.13	22.8
Trunk	BS3	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.016	0.20	8.0	0.13	12.3
						5.81	150.8000	0.024	0.20	11.8	0.13	18.3
Trunk	BS4	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.027	0.20	13.5	0.13	20.9
						5.81	150.8000	0.034	0.20	17.1	0.13	26.5
Trunk	BS4	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.017	0.20	8.5	0.13	13.2
						5.81	150.8000	0.027	0.20	13.4	0.13	20.8
Trunk	BS5	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.022	0.20	11.0	0.13	17.0
						5.81	150.8000	0.015	0.20	7.6	0.13	11.7
Trunk	BS5	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.019	0.20	9.4	0.13	14.6
						5.81	150.8000	0.019	0.20	9.7	0.13	15.1
Trunk	BS1	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.007	0.20	3.4	0.13	5.2
						5.92	156.4000	0.005	0.20	2.6	0.13	4.0
						5.88	162.0000	0.005	0.20	2.3	0.13	3.5
Trunk	BS1	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.012	0.20	6.0	0.13	9.3
						5.92	156.4000	0.011	0.20	5.3	0.13	8.2
						5.88	162.0000	0.013	0.20	6.4	0.13	9.9
Trunk	BS2	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.011	0.20	5.6	0.13	8.6
						5.92	156.4000	0.016	0.20	8.2	0.13	12.7
						5.88	162.0000	0.022	0.20	10.9	0.13	16.8
Trunk	BS2	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.013	0.20	6.7	0.13	10.5
						5.92	156.4000	0.015	0.20	7.5	0.13	11.6
						5.88	162.0000	0.017	0.20	8.7	0.13	13.6

**Table E.1 (Continued)**

MPE assessment for DVR VHF - trunk mounted antenna – Bystander

Notes:

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

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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS3	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.027	0.20	13.4	0.13	20.8
						5.92	156.4000	0.035	0.20	17.3	0.13	26.8
						5.88	162.0000	0.042	0.20	<b>21.0</b>	0.13	<b>32.5</b>
Trunk	BS3	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.021	0.20	10.6	0.13	16.4
						5.92	156.4000	0.016	0.20	8.2	0.13	12.7
						5.88	162.0000	0.027	0.20	13.7	0.13	21.2
Trunk	BS4	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.030	0.20	15.1	0.13	23.3
						5.92	156.4000	0.028	0.20	13.8	0.13	21.4
						5.88	162.0000	0.041	0.20	20.5	0.13	31.7
Trunk	BS4	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.027	0.20	13.4	0.13	20.8
						5.92	156.4000	0.023	0.20	11.5	0.13	17.8
						5.88	162.0000	0.029	0.20	14.7	0.13	22.7
Trunk	BS5	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.014	0.20	6.9	0.13	10.7
						5.92	156.4000	0.020	0.20	9.8	0.13	15.2
						5.88	162.0000	0.020	0.20	10.0	0.13	15.6
Trunk	BS5	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.019	0.20	9.5	0.13	14.7
						5.92	156.4000	0.021	0.20	10.7	0.13	16.6
						5.88	162.0000	0.022	0.20	10.9	0.13	16.9
Trunk	BS1	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.005	0.20	2.5	0.13	3.9
						5.95	167.7000	0.004	0.20	1.8	0.13	2.8
						5.91	173.4000	0.007	0.20	3.4	0.13	5.2
Trunk	BS1	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.010	0.20	5.1	0.13	7.9
						5.95	167.7000	0.010	0.20	5.2	0.13	8.0
						5.91	173.4000	0.011	0.20	5.5	0.13	8.5
Trunk	BS2	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.015	0.20	7.4	0.13	11.4
						5.95	167.7000	0.019	0.20	9.4	0.13	14.6
						5.91	173.4000	0.014	0.20	6.8	0.13	10.5



**Table E.1 (Continued)**

MPE assessment for DVR VHF - 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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS2	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.015	0.20	7.5	0.13	11.6
						5.95	167.7000	0.013	0.20	6.4	0.13	9.9
						5.91	173.4000	0.013	0.20	6.5	0.13	10.1
Trunk	BS3	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.029	0.20	14.7	0.13	22.8
						5.95	167.7000	0.040	0.20	19.9	0.13	30.8
						5.91	173.4000	0.033	0.20	16.3	0.13	25.2
Trunk	BS3	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.020	0.20	9.9	0.13	15.4
						5.95	167.7000	0.027	0.20	13.5	0.13	21.0
						5.91	173.4000	0.026	0.20	13.0	0.13	20.1
Trunk	BS4	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.029	0.20	14.3	0.13	22.2
						5.95	167.7000	0.041	0.20	20.3	0.13	31.4
						5.91	173.4000	0.034	0.20	17.0	0.13	26.3
Trunk	BS4	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.020	0.20	10.2	0.13	15.8
						5.95	167.7000	0.031	0.20	15.4	0.13	23.9
						5.91	173.4000	0.031	0.20	15.5	0.13	24.0
Trunk	BS5	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.014	0.20	7.0	0.13	10.9
						5.95	167.7000	0.020	0.20	10.2	0.13	15.8
						5.91	173.4000	0.012	0.20	6.2	0.13	9.6
Trunk	BS5	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.017	0.20	8.3	0.13	12.8
						5.95	167.7000	0.019	0.20	9.4	0.13	14.5
						5.91	173.4000	0.016	0.20	8.2	0.13	12.8

**Table E.2**

MPE assessment for DVR VHF– trunk mounted antenna – Passenger

Notes:

Blue fonts: Frequencies not regulated by FCC.

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

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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	PB	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.196	0.20	97.8	0.13	151.5
						5.83	144.0000	0.168	0.20	83.8	0.13	129.8
Trunk	PB	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.111	0.20	55.4	0.13	85.8
						5.83	144.0000	0.093	0.20	46.6	0.13	72.2
Trunk	PB	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.146	0.20	73.0	0.13	113.0
						5.81	150.8000	0.103	0.20	51.4	0.13	79.7
Trunk	PB	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.074	0.20	37.2	0.13	57.6
						5.81	150.8000	0.096	0.20	47.9	0.13	74.2
Trunk	PB	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.098	0.20	49.0	0.13	75.9
						5.92	156.4000	0.137	0.20	68.4	0.13	106.0
						5.88	162.0000	0.230	0.20	<b>114.8</b>	0.13	<b>177.9</b>
Trunk	PB	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.076	0.20	37.8	0.13	58.6
						5.92	156.4000	0.142	0.20	71.2	0.13	110.3
						5.88	162.0000	0.175	0.20	87.3	0.13	135.2
Trunk	PB	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.172	0.20	86.2	0.13	133.6
						5.95	167.7000	0.161	0.20	80.3	0.13	124.4
						5.91	173.4000	0.185	0.20	92.3	0.13	143.0
Trunk	PB	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.119	0.20	59.5	0.13	92.2
						5.95	167.7000	0.159	0.20	79.3	0.13	122.9
						5.91	173.4000	0.093	0.20	46.5	0.13	72.0

**Table E.2 (Continued)**

MPE assessment for DVR VHF– trunk mounted antenna – Passenger

Notes:

Blue fonts: Frequencies not regulated by FCC.

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

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 <sup>2</sup> )	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	PF	E	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.014	0.20	7.2	0.13	11.1
						5.83	144.0000	0.018	0.20	9.1	0.13	14.1
Trunk	PF	H	14	HAD4006A, 1/4 Wave (136-144MHz)	6.0	5.82	140.0000	0.021	0.20	10.7	0.13	16.6
						5.83	144.0000	0.024	0.20	12.1	0.13	18.7
Trunk	PF	E	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.021	0.20	10.3	0.13	16.0
						5.81	150.8000	0.023	0.20	11.4	0.13	17.7
Trunk	PF	H	15	HAD4007A, 1/4 Wave (144-150.8MHz)	6.0	5.83	144.0000	0.025	0.20	12.3	0.13	19.1
						5.81	150.8000	0.029	0.20	14.5	0.13	22.4
Trunk	PF	E	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.025	0.20	12.3	0.13	19.0
						5.92	156.4000	0.033	0.20	16.5	0.13	25.6
						5.88	162.0000	0.033	0.20	16.5	0.13	25.5
Trunk	PF	H	16	HAD4008A, 1/4 Wave (150.8-162MHz)	6.0	5.81	150.8000	0.028	0.20	13.9	0.13	21.5
						5.92	156.4000	0.036	0.20	<b>18.0</b>	0.13	<b>27.8</b>
						5.88	162.0000	0.035	0.20	17.4	0.13	27.0
Trunk	PF	E	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.023	0.20	11.6	0.13	18.0
						5.95	167.7000	0.024	0.20	12.2	0.13	18.9
						5.91	173.4000	0.027	0.20	13.5	0.13	20.9
Trunk	PF	H	17	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.028	0.20	14.0	0.13	21.6
						5.95	167.7000	0.033	0.20	16.5	0.13	25.6
						5.91	173.4000	0.021	0.20	10.6	0.13	16.4

**Table E.3**  
**DVR VHF MPE Results for FCC**

Note:  
Blue fonts: Frequencies not regulated by FCC.

Pmax (W)	6	Pinitial (W)	5.82	5.83	5.81	5.92	5.88	5.95	5.91
			FCCLimit (mW/cm <sup>2</sup> )						
			0.20	0.20	0.20	0.20	0.20	0.20	0.20

Table	Test Post.	Angle	Trunk / Roof	E/H Field	Antenna No.	f1	f2	f3	f4	f5	f6	f7
						140.0000	144.0000	150.8000	156.4000	162.0000	167.7000	173.4000
E.1	BS1		Trunk	E	14	0.013	0.012					
E.1	BS1		Trunk	H	14	0.012	0.010					
E.1	BS2		Trunk	E	15	0.020	0.015					
E.1	BS2		Trunk	H	14	0.019	0.019					
E.1	BS3		Trunk	E	14	0.029	0.026					
E.1	BS3		Trunk	H	14	0.023	0.015					
E.1	BS4		Trunk	E	14	0.027	0.025					
E.1	BS4		Trunk	H	14	0.022	0.017					
E.1	BS5		Trunk	E	14	0.019	0.021					
E.1	BS5		Trunk	H	14	0.018	0.019					
E.1	BS1		Trunk	E	15		0.015	0.006				
E.1	BS1		Trunk	H	15		0.010	0.012				
E.1	BS2		Trunk	E	15		0.017	0.012				
E.1	BS2		Trunk	H	15		0.018	0.015				
E.1	BS3		Trunk	E	15		0.028	0.029				
E.1	BS3		Trunk	H	15		0.016	0.024				
E.1	BS4		Trunk	E	15		0.027	0.034				
E.1	BS4		Trunk	H	15		0.017	0.027				
E.1	BS5		Trunk	E	15		0.022	0.015				
E.1	BS5		Trunk	H	15		0.019	0.019				
E.1	BS1		Trunk	E	16			0.007	0.005	0.005		
E.1	BS1		Trunk	H	16			0.012	0.011	0.013		
E.1	BS2		Trunk	E	16			0.011	0.016	0.022		
E.1	BS2		Trunk	H	16			0.013	0.015	0.017		
E.1	BS3		Trunk	E	16			0.027	0.035	0.042		
E.1	BS3		Trunk	H	16			0.021	0.016	0.027		
E.1	BS4		Trunk	E	16			0.030	0.028	0.041		
E.1	BS4		Trunk	H	16			0.027	0.023	0.029		
E.1	BS5		Trunk	E	16			0.014	0.020	0.020		
E.1	BS5		Trunk	H	16			0.019	0.021	0.022		
E.1	BS1		Trunk	E	17					0.005	0.004	0.007
E.1	BS1		Trunk	H	17					0.010	0.010	0.011
E.1	BS2		Trunk	E	17					0.015	0.019	0.014
E.1	BS2		Trunk	H	17					0.015	0.013	0.013
E.1	BS3		Trunk	E	17					0.029	0.040	0.033
E.1	BS3		Trunk	H	17					0.020	0.027	0.026
E.1	BS4		Trunk	E	17					0.029	0.041	0.034
E.1	BS4		Trunk	H	17					0.020	0.031	0.031
E.1	BS5		Trunk	E	17					0.014	0.020	0.012
E.1	BS5		Trunk	H	17					0.017	0.019	0.016

**Table E.3 (Continued)**  
**DVR VHF MPE Results for FCC**

Note:

Blue fonts: Frequencies not regulated by FCC.

Pmax (W)	6	Pinitial (W)	5.82	5.83	5.81	5.92	5.88	5.95	5.91
			FCCLimit (mW/cm <sup>2</sup> )	0.20	0.20	0.20	0.20	0.20	0.20

Table	Test Post.	Angle	Trunk / Roof	E/H Field	Antenna No.	f1	f2	f3	f4	f5	f6	f7
						140.0000	144.0000	150.8000	156.4000	162.0000	167.7000	173.4000
E.2	PB		Trunk	E	14	0.196	0.168					
E.2	PB		Trunk	H	14	0.011	0.093					
E.2	PB		Trunk	E	15		0.146	0.103				
E.2	PB		Trunk	H	15		0.074	0.096				
E.2	PB		Trunk	E	16			0.098	0.137	0.230		
E.2	PB		Trunk	H	16			0.076	0.142	0.175		
E.2	PB		Trunk	E	17					0.172	0.161	0.185
E.2	PB		Trunk	H	17					0.119	0.159	0.093
E.2	PF		Trunk	E	14	0.014	0.018					
E.2	PF		Trunk	H	14	0.021	0.024					
E.2	PF		Trunk	E	15		0.021	0.023				
E.2	PF		Trunk	H	15		0.025	0.029				
E.2	PF		Trunk	E	16			0.025	0.033	0.033		
E.2	PF		Trunk	H	16			0.028	0.036	0.035		
E.2	PF		Trunk	E	17					0.023	0.024	0.027
E.2	PF		Trunk	H	17					0.028	0.033	0.021

**Appendix F – MPE Test Results Summary for APX6500 VHF**

**Table F.1**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
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.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.045	0.067	0.080	0.081	0.078	0.079	0.086	0.090	0.091	0.090	0.5	0.081	0.040	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	E	1.020	BS1	0.040	0.064	0.077	0.070	0.061	0.054	0.057	0.057	0.058	0.054	0.5	0.060	0.030	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.060	0.092	0.105	0.102	0.090	0.085	0.086	0.085	0.089	0.086	0.5	0.090	0.040	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.037	0.062	0.080	0.091	0.090	0.080	0.077	0.080	0.075	0.064	0.5	0.076	0.040	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	E	1.020	BS2	0.044	0.075	0.096	0.099	0.100	0.090	0.095	0.098	0.096	0.077	0.5	0.089	0.040	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.049	0.087	0.102	0.116	0.122	0.119	0.130	0.138	0.134	0.120	0.5	0.114	0.060	0.060
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.023	0.042	0.057	0.065	0.066	0.060	0.058	0.054	0.053	0.049	0.5	0.054	0.030	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	E	1.020	BS3	0.032	0.057	0.071	0.080	0.079	0.070	0.072	0.073	0.073	0.074	0.5	0.069	0.030	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.031	0.048	0.060	0.065	0.060	0.058	0.058	0.066	0.067	0.067	0.5	0.059	0.030	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.032	0.049	0.063	0.071	0.073	0.075	0.076	0.074	0.075	0.072	0.5	0.068	0.030	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	E	1.020	BS4	0.027	0.040	0.050	0.055	0.058	0.064	0.064	0.064	0.067	0.066	0.5	0.057	0.030	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.020	0.030	0.038	0.041	0.042	0.046	0.051	0.052	0.060	0.057	0.5	0.045	0.020	0.020
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.021	0.032	0.036	0.030	0.026	0.020	0.020	0.022	0.026	0.028	0.5	0.027	0.010	0.010

Notes:  
MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	E	1.020	BS5	0.016	0.025	0.031	0.034	0.027	0.022	0.020	0.027	0.027	0.036	0.5	0.027	0.010	0.010
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.016	0.020	0.024	0.024	0.028	0.024	0.024	0.030	0.032	0.037	0.5	0.026	0.010	0.010
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.064	0.096	0.110	0.109	0.094	0.086	0.084	0.087	0.086	0.079	0.5	0.091	0.050	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.049	0.070	0.073	0.065	0.057	0.058	0.061	0.065	0.064	0.062	0.5	0.064	0.030	0.030
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.043	0.065	0.086	0.097	0.089	0.096	0.100	0.113	0.114	0.109	0.5	0.093	0.050	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.050	0.081	0.099	0.103	0.098	0.083	0.090	0.079	0.078	0.071	0.5	0.085	0.040	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.027	0.040	0.054	0.054	0.052	0.051	0.055	0.057	0.062	0.056	0.5	0.052	0.030	0.030
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.038	0.061	0.076	0.080	0.083	0.081	0.085	0.087	0.081	0.076	0.5	0.076	0.040	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.015	0.025	0.032	0.034	0.037	0.037	0.043	0.046	0.043	0.051	0.5	0.037	0.020	0.020
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.030	0.047	0.056	0.062	0.060	0.063	0.063	0.068	0.062	0.056	0.5	0.058	0.030	0.030
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.013	0.016	0.020	0.020	0.020	0.018	0.021	0.028	0.030	0.033	0.5	0.022	0.010	0.010
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.025	0.040	0.050	0.050	0.051	0.055	0.067	0.076	0.090	0.080	0.5	0.060	0.030	0.030

Notes:  
MPE calculations are defined in section 15.0



**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.041	0.060	0.062	0.055	0.049	0.049	0.053	0.057	0.055	0.052	0.5	0.054	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS1	0.087	0.112	0.111	0.093	0.080	0.075	0.079	0.082	0.074	0.067	0.5	0.088	0.040	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS1	0.086	0.110	0.104	0.087	0.073	0.069	0.073	0.075	0.078	0.086	0.5	0.086	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.043	0.070	0.094	0.092	0.092	0.076	0.079	0.078	0.067	0.065	0.5	0.077	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS2	0.068	0.110	0.124	0.113	0.117	0.114	0.117	0.119	0.120	0.109	0.5	0.113	0.060	0.060
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS2	0.066	0.099	0.107	0.093	0.088	0.080	0.083	0.086	0.079	0.084	0.5	0.088	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.035	0.051	0.060	0.068	0.067	0.067	0.076	0.074	0.075	0.066	0.5	0.065	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS3	0.034	0.045	0.059	0.064	0.063	0.070	0.076	0.074	0.079	0.072	0.5	0.065	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS3	0.034	0.043	0.050	0.053	0.056	0.060	0.061	0.060	0.057	0.055	0.5	0.054	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.028	0.042	0.052	0.057	0.060	0.060	0.061	0.060	0.055	0.055	0.5	0.054	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS4	0.030	0.047	0.060	0.062	0.062	0.060	0.067	0.070	0.063	0.060	0.5	0.059	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS4	0.033	0.048	0.064	0.062	0.066	0.068	0.067	0.060	0.052	0.041	0.5	0.057	0.030	0.030

Notes:  
MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.022	0.036	0.042	0.040	0.044	0.051	0.067	0.071	0.075	0.070	0.5	0.053	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS5	0.022	0.030	0.034	0.030	0.026	0.035	0.035	0.037	0.041	0.041	0.5	0.034	0.020	0.020
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS5	0.040	0.042	0.051	0.059	0.059	0.066	0.073	0.074	0.075	0.063	0.5	0.061	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS1	0.069	0.091	0.084	0.068	0.059	0.058	0.062	0.065	0.067	0.073	0.5	0.071	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.066	0.081	0.073	0.057	0.046	0.045	0.050	0.052	0.057	0.068	0.5	0.061	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.051	0.059	0.051	0.035	0.030	0.036	0.049	0.055	0.063	0.075	0.5	0.051	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS2	0.061	0.094	0.095	0.088	0.080	0.072	0.093	0.092	0.076	0.074	0.5	0.084	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.059	0.085	0.085	0.073	0.076	0.077	0.095	0.079	0.083	0.071	0.5	0.080	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.050	0.072	0.081	0.074	0.078	0.079	0.095	0.096	0.090	0.095	0.5	0.083	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS3	0.028	0.036	0.039	0.038	0.041	0.046	0.051	0.052	0.052	0.046	0.5	0.044	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.028	0.036	0.045	0.043	0.046	0.056	0.057	0.060	0.060	0.050	0.5	0.049	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.034	0.040	0.049	0.053	0.063	0.060	0.063	0.055	0.055	0.050	0.5	0.053	0.030	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS4	0.029	0.040	0.053	0.052	0.056	0.060	0.057	0.047	0.042	0.036	0.5	0.048	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.036	0.055	0.065	0.073	0.073	0.072	0.066	0.072	0.060	0.046	0.5	0.063	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.022	0.033	0.041	0.047	0.047	0.036	0.033	0.030	0.028	0.025	0.5	0.035	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS5	0.035	0.038	0.027	0.050	0.052	0.051	0.062	0.067	0.064	0.054	0.5	0.051	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.034	0.050	0.054	0.053	0.047	0.048	0.052	0.067	0.061	0.051	0.5	0.053	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.030	0.025	0.044	0.037	0.031	0.028	0.030	0.031	0.026	0.022	0.5	0.031	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.041	0.063	0.073	0.073	0.070	0.070	0.074	0.086	0.081	0.077	0.5	0.073	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.060	0.087	0.104	0.095	0.081	0.078	0.081	0.083	0.081	0.077	0.5	0.084	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.040	0.059	0.062	0.057	0.047	0.048	0.054	0.061	0.058	0.059	0.5	0.056	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS1	0.067	0.089	0.090	0.076	0.061	0.063	0.066	0.067	0.063	0.061	0.5	0.072	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS1	0.067	0.079	0.078	0.063	0.053	0.051	0.053	0.057	0.064	0.067	0.5	0.064	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.028	0.050	0.064	0.072	0.070	0.059	0.064	0.064	0.062	0.055	0.5	0.061	0.030	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.044	0.070	0.088	0.098	0.090	0.098	0.101	0.112	0.108	0.103	0.5	0.093	0.050	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.040	0.080	0.099	0.097	0.097	0.081	0.088	0.085	0.077	0.062	0.5	0.082	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS2	0.058	0.093	0.108	0.098	0.100	0.107	0.103	0.088	0.092	0.089	0.5	0.095	0.050	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS2	0.053	0.074	0.088	0.078	0.069	0.079	0.081	0.073	0.065	0.061	0.5	0.074	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.015	0.031	0.043	0.049	0.051	0.047	0.043	0.044	0.042	0.038	0.5	0.042	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.024	0.037	0.048	0.051	0.048	0.046	0.048	0.052	0.052	0.057	0.5	0.047	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.032	0.054	0.067	0.074	0.069	0.071	0.078	0.080	0.077	0.073	0.5	0.069	0.030	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS3	0.029	0.039	0.051	0.049	0.050	0.053	0.056	0.061	0.065	0.064	0.5	0.053	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS3	0.026	0.033	0.038	0.037	0.037	0.045	0.047	0.051	0.044	0.039	0.5	0.040	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.016	0.028	0.035	0.038	0.038	0.043	0.033	0.044	0.046	0.046	0.5	0.038	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.016	0.024	0.031	0.035	0.037	0.036	0.042	0.047	0.048	0.041	0.5	0.036	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.028	0.041	0.052	0.053	0.058	0.055	0.058	0.054	0.058	0.053	0.5	0.052	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS4	0.025	0.040	0.050	0.050	0.053	0.058	0.060	0.051	0.060	0.060	0.5	0.052	0.030	0.030

Notes:  
MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS4	0.027	0.037	0.045	0.050	0.053	0.050	0.050	0.046	0.040	0.031	0.5	0.044	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.016	0.011	0.015	0.024	0.020	0.017	0.016	0.020	0.023	0.025	0.5	0.019	0.010	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.012	0.015	0.018	0.018	0.017	0.018	0.023	0.025	0.030	0.032	0.5	0.021	0.010	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.026	0.036	0.042	0.050	0.050	0.058	0.070	0.071	0.070	0.070	0.5	0.055	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS5	0.022	0.032	0.030	0.027	0.020	0.030	0.031	0.033	0.036	0.033	0.5	0.030	0.010	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS5	0.014	0.038	0.038	0.038	0.035	0.050	0.047	0.060	0.050	0.051	0.5	0.043	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS1	0.038	0.055	0.059	0.056	0.049	0.047	0.050	0.050	0.053	0.050	0.5	0.052	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.036	0.052	0.053	0.049	0.041	0.042	0.046	0.049	0.047	0.050	0.5	0.047	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.069	0.090	0.086	0.076	0.065	0.064	0.070	0.066	0.063	0.060	0.5	0.072	0.040	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.074	0.086	0.079	0.059	0.048	0.050	0.056	0.059	0.061	0.071	0.5	0.066	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.047	0.055	0.048	0.031	0.025	0.032	0.042	0.050	0.059	0.072	0.5	0.047	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS2	0.024	0.041	0.050	0.055	0.053	0.055	0.059	0.061	0.063	0.059	0.5	0.053	0.030	0.030

Notes:  
MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - 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)
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.040	0.065	0.082	0.084	0.076	0.074	0.071	0.068	0.063	0.051	0.5	0.069	0.030	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.063	0.099	0.116	0.108	0.107	0.119	0.115	0.118	0.116	0.103	0.5	0.109	0.050	0.060
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.061	0.083	0.088	0.086	0.083	0.085	0.092	0.092	0.080	0.073	0.5	0.084	0.040	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.044	0.067	0.072	0.067	0.069	0.069	0.082	0.084	0.087	0.083	0.5	0.074	0.040	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS3	0.014	0.024	0.030	0.029	0.027	0.027	0.029	0.028	0.030	0.029	0.5	0.027	0.010	0.010
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.023	0.040	0.046	0.055	0.058	0.060	0.067	0.067	0.059	0.057	0.5	0.054	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.030	0.041	0.056	0.054	0.058	0.058	0.057	0.065	0.059	0.059	0.5	0.055	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.030	0.043	0.052	0.053	0.060	0.064	0.063	0.061	0.063	0.054	0.5	0.055	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.029	0.038	0.049	0.049	0.058	0.055	0.057	0.059	0.055	0.048	0.5	0.051	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS4	0.010	0.016	0.021	0.020	0.020	0.021	0.022	0.023	0.023	0.024	0.5	0.020	0.010	0.010
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.025	0.036	0.044	0.046	0.050	0.043	0.053	0.051	0.050	0.043	0.5	0.045	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.028	0.043	0.051	0.054	0.050	0.056	0.054	0.055	0.052	0.044	0.5	0.050	0.020	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.040	0.055	0.070	0.080	0.078	0.080	0.078	0.073	0.060	0.048	0.5	0.068	0.030	0.030

Notes:  
MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.023	0.031	0.040	0.040	0.042	0.033	0.032	0.030	0.024	0.023	0.5	0.032	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.021	0.032	0.031	0.037	0.037	0.050	0.046	0.060	0.055	0.062	0.5	0.044	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.027	0.033	0.036	0.031	0.035	0.036	0.034	0.037	0.037	0.031	0.5	0.034	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.037	0.056	0.052	0.052	0.043	0.041	0.051	0.068	0.055	0.048	0.5	0.051	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.027	0.040	0.040	0.033	0.030	0.030	0.031	0.024	0.025	0.020	0.5	0.031	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.030	0.046	0.055	0.055	0.052	0.052	0.056	0.056	0.060	0.057	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.060	0.085	0.098	0.095	0.085	0.078	0.078	0.079	0.078	0.075	0.5	0.083	0.040	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.044	0.056	0.061	0.052	0.046	0.046	0.051	0.054	0.056	0.053	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.060	0.081	0.080	0.067	0.057	0.057	0.061	0.062	0.057	0.060	0.5	0.065	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.057	0.069	0.060	0.051	0.040	0.040	0.043	0.049	0.053	0.062	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.039	0.046	0.039	0.028	0.026	0.027	0.036	0.046	0.053	0.064	0.5	0.041	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.022	0.037	0.047	0.051	0.049	0.046	0.047	0.047	0.044	0.039	0.5	0.044	0.020	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.041	0.061	0.082	0.090	0.093	0.099	0.095	0.102	0.100	0.102	0.5	0.088	0.040	0.050
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.040	0.069	0.086	0.090	0.078	0.071	0.073	0.068	0.065	0.059	0.5	0.071	0.040	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.053	0.086	0.095	0.096	0.094	0.084	0.085	0.091	0.097	0.086	0.5	0.088	0.040	0.050
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.047	0.067	0.070	0.062	0.055	0.057	0.062	0.063	0.062	0.054	0.5	0.061	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.036	0.055	0.059	0.057	0.055	0.064	0.067	0.071	0.074	0.073	0.5	0.062	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.011	0.025	0.039	0.039	0.039	0.038	0.036	0.034	0.033	0.031	0.5	0.033	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.023	0.038	0.048	0.049	0.046	0.047	0.048	0.053	0.058	0.057	0.5	0.048	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.031	0.052	0.061	0.066	0.068	0.071	0.069	0.068	0.068	0.065	0.5	0.063	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.025	0.038	0.050	0.047	0.047	0.052	0.052	0.059	0.056	0.054	0.5	0.049	0.020	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.022	0.036	0.042	0.043	0.048	0.050	0.053	0.048	0.048	0.044	0.5	0.044	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.026	0.032	0.046	0.047	0.047	0.047	0.051	0.043	0.047	0.043	0.5	0.044	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.012	0.021	0.024	0.027	0.030	0.031	0.032	0.032	0.031	0.031	0.5	0.028	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.015	0.023	0.030	0.032	0.033	0.040	0.042	0.043	0.044	0.047	0.5	0.036	0.020	0.020

Notes:

MPE calculations are defined in section 15.0



**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.026	0.040	0.047	0.053	0.053	0.051	0.053	0.056	0.047	0.046	0.5	0.048	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.025	0.035	0.045	0.047	0.046	0.045	0.044	0.047	0.044	0.046	0.5	0.043	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.028	0.043	0.054	0.064	0.062	0.058	0.065	0.055	0.050	0.041	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.016	0.025	0.030	0.033	0.032	0.027	0.025	0.022	0.020	0.020	0.5	0.026	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.007	0.014	0.017	0.011	0.008	0.010	0.011	0.011	0.014	0.015	0.5	0.012	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.008	0.016	0.017	0.017	0.017	0.020	0.030	0.026	0.027	0.031	0.5	0.021	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.024	0.032	0.040	0.045	0.044	0.050	0.060	0.064	0.067	0.061	0.5	0.050	0.020	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.021	0.030	0.027	0.031	0.031	0.032	0.033	0.037	0.032	0.030	0.5	0.031	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.031	0.043	0.046	0.043	0.038	0.040	0.042	0.048	0.050	0.047	0.5	0.044	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.022	0.031	0.033	0.030	0.023	0.025	0.026	0.024	0.021	0.018	0.5	0.026	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.022	0.034	0.043	0.044	0.041	0.043	0.051	0.067	0.084	0.097	0.5	0.054	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.024	0.044	0.048	0.047	0.040	0.043	0.054	0.071	0.087	0.095	0.5	0.056	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.028	0.043	0.045	0.040	0.035	0.039	0.049	0.065	0.079	0.089	0.5	0.052	0.030	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.048	0.063	0.061	0.045	0.037	0.044	0.055	0.070	0.078	0.091	0.5	0.060	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.056	0.074	0.069	0.050	0.042	0.045	0.061	0.079	0.096	0.117	0.5	0.070	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.038	0.045	0.035	0.026	0.022	0.035	0.050	0.066	0.086	0.106	0.5	0.052	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.009	0.019	0.026	0.030	0.031	0.033	0.041	0.051	0.062	0.072	0.5	0.039	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.024	0.043	0.059	0.073	0.070	0.074	0.083	0.092	0.096	0.102	0.5	0.073	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.021	0.047	0.051	0.051	0.049	0.047	0.051	0.057	0.058	0.062	0.5	0.050	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.045	0.074	0.077	0.074	0.072	0.073	0.086	0.092	0.104	0.109	0.5	0.082	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.050	0.068	0.071	0.061	0.056	0.065	0.068	0.074	0.081	0.081	0.5	0.069	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.035	0.050	0.053	0.053	0.057	0.070	0.081	0.091	0.097	0.103	0.5	0.070	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.007	0.013	0.019	0.022	0.023	0.026	0.028	0.029	0.034	0.041	0.5	0.025	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.016	0.028	0.033	0.034	0.038	0.039	0.043	0.049	0.057	0.058	0.5	0.040	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.015	0.026	0.031	0.033	0.034	0.038	0.045	0.050	0.052	0.051	0.5	0.038	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.023	0.033	0.045	0.049	0.053	0.058	0.068	0.069	0.070	0.069	0.5	0.055	0.030	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.020	0.031	0.038	0.040	0.045	0.060	0.063	0.059	0.063	0.057	0.5	0.049	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.027	0.043	0.047	0.055	0.059	0.063	0.061	0.061	0.057	0.058	0.5	0.054	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.014	0.021	0.027	0.028	0.033	0.037	0.041	0.042	0.047	0.047	0.5	0.035	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.014	0.021	0.027	0.032	0.038	0.042	0.046	0.048	0.048	0.048	0.5	0.037	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.017	0.025	0.030	0.035	0.036	0.038	0.040	0.037	0.033	0.035	0.5	0.033	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.025	0.035	0.041	0.046	0.043	0.044	0.048	0.047	0.040	0.045	0.5	0.042	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.035	0.047	0.056	0.066	0.062	0.065	0.058	0.060	0.053	0.042	0.5	0.055	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.020	0.031	0.040	0.043	0.035	0.035	0.035	0.028	0.030	0.024	0.5	0.033	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.008	0.014	0.017	0.014	0.018	0.011	0.014	0.021	0.024	0.027	0.5	0.017	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.006	0.016	0.017	0.010	0.020	0.020	0.023	0.027	0.030	0.033	0.5	0.021	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.020	0.025	0.030	0.038	0.040	0.038	0.053	0.050	0.050	0.051	0.5	0.040	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.015	0.021	0.023	0.022	0.023	0.025	0.026	0.027	0.025	0.023	0.5	0.023	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.038	0.047	0.055	0.049	0.043	0.053	0.057	0.057	0.050	0.040	0.5	0.050	0.020	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.024	0.032	0.034	0.026	0.024	0.025	0.028	0.025	0.024	0.017	0.5	0.026	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.019	0.032	0.037	0.030	0.028	0.026	0.040	0.060	0.078	0.095	0.5	0.046	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.016	0.028	0.032	0.026	0.020	0.026	0.041	0.062	0.086	0.097	0.5	0.044	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.024	0.044	0.045	0.035	0.028	0.032	0.045	0.064	0.087	0.107	0.5	0.052	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.042	0.060	0.053	0.036	0.024	0.032	0.057	0.083	0.087	0.119	0.5	0.060	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.043	0.049	0.046	0.036	0.028	0.040	0.065	0.088	0.110	0.111	0.5	0.063	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.044	0.050	0.043	0.028	0.030	0.046	0.066	0.091	0.111	0.140	0.5	0.066	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.010	0.019	0.024	0.023	0.018	0.019	0.027	0.039	0.051	0.060	0.5	0.030	0.010	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.014	0.026	0.034	0.037	0.035	0.040	0.050	0.060	0.070	0.080	0.5	0.045	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.025	0.039	0.044	0.044	0.035	0.035	0.041	0.047	0.054	0.055	0.5	0.043	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.037	0.051	0.059	0.052	0.046	0.051	0.060	0.081	0.089	0.110	0.5	0.065	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.030	0.041	0.042	0.034	0.030	0.034	0.046	0.056	0.065	0.068	0.5	0.045	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.035	0.047	0.050	0.048	0.055	0.071	0.084	0.110	0.113	0.137	0.5	0.077	0.040	0.040

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.003	0.015	0.020	0.020	0.015	0.015	0.012	0.018	0.020	0.028	0.5	0.017	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.011	0.020	0.025	0.025	0.022	0.026	0.027	0.035	0.040	0.042	0.5	0.028	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.009	0.017	0.021	0.019	0.019	0.018	0.020	0.027	0.029	0.033	0.5	0.022	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.023	0.030	0.038	0.039	0.042	0.049	0.059	0.061	0.065	0.071	0.5	0.049	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.017	0.021	0.024	0.019	0.024	0.027	0.037	0.042	0.043	0.045	0.5	0.030	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.024	0.038	0.045	0.052	0.062	0.067	0.069	0.071	0.073	0.073	0.5	0.059	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.010	0.017	0.023	0.022	0.024	0.023	0.024	0.025	0.030	0.030	0.5	0.023	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.016	0.023	0.028	0.031	0.033	0.038	0.036	0.034	0.032	0.036	0.5	0.031	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.011	0.017	0.018	0.020	0.017	0.016	0.020	0.020	0.021	0.016	0.5	0.018	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.021	0.032	0.037	0.040	0.040	0.033	0.033	0.040	0.037	0.036	0.5	0.036	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.020	0.027	0.030	0.031	0.031	0.033	0.030	0.031	0.037	0.026	0.5	0.030	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.024	0.037	0.045	0.045	0.048	0.040	0.037	0.032	0.036	0.033	0.5	0.038	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.004	0.006	0.004	0.003	0.003	0.006	0.007	0.010	0.011	0.018	0.5	0.007	0.000	0.000

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.004	0.010	0.015	0.011	0.010	0.015	0.016	0.018	0.022	0.025	0.5	0.015	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.006	0.010	0.020	0.017	0.022	0.026	0.030	0.030	0.030	0.027	0.5	0.022	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.012	0.010	0.010	0.015	0.014	0.017	0.018	0.018	0.018	0.017	0.5	0.015	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.020	0.027	0.025	0.026	0.026	0.022	0.030	0.024	0.030	0.030	0.5	0.027	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.024	0.024	0.030	0.021	0.018	0.023	0.025	0.026	0.021	0.021	0.5	0.024	0.010	0.010
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS1	0.041	0.040	0.042	0.050	0.060	0.064	0.066	0.066	0.065	0.063	0.5	0.086	0.043	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS2	0.036	0.040	0.042	0.050	0.057	0.065	0.068	0.070	0.067	0.065	0.5	0.087	0.044	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS3	0.042	0.045	0.046	0.054	0.059	0.064	0.064	0.067	0.066	0.068	0.5	0.090	0.045	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS4	0.035	0.037	0.038	0.045	0.049	0.053	0.054	0.055	0.056	0.058	0.5	0.063	0.032	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS5	0.026	0.027	0.031	0.035	0.037	0.032	0.047	0.044	0.042	0.041	0.5	0.036	0.018	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS1	0.034	0.033	0.034	0.042	0.047	0.050	0.051	0.048	0.047	0.045	0.5	0.051	0.025	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.034	0.037	0.040	0.047	0.051	0.052	0.051	0.050	0.047	0.045	0.5	0.056	0.028	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.043	0.043	0.048	0.055	0.066	0.065	0.062	0.055	0.053	0.053	0.5	0.078	0.039	0.040

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.042	0.041	0.045	0.051	0.055	0.052	0.050	0.047	0.051	0.053	0.5	0.061	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.036	0.038	0.041	0.047	0.050	0.050	0.050	0.051	0.057	0.060	0.5	0.057	0.028	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS2	0.037	0.034	0.034	0.027	0.040	0.048	0.051	0.058	0.040	0.035	0.5	0.045	0.023	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.037	0.031	0.036	0.046	0.045	0.055	0.065	0.056	0.052	0.048	0.5	0.062	0.031	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.042	0.031	0.037	0.046	0.040	0.065	0.062	0.065	0.066	0.063	0.5	0.074	0.037	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.036	0.041	0.046	0.038	0.032	0.061	0.068	0.065	0.066	0.060	0.5	0.071	0.036	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.043	0.038	0.042	0.050	0.050	0.054	0.067	0.066	0.066	0.063	0.5	0.073	0.036	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS3	0.032	0.035	0.034	0.039	0.042	0.045	0.045	0.047	0.044	0.042	0.5	0.044	0.022	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.039	0.043	0.045	0.053	0.058	0.061	0.063	0.062	0.056	0.051	0.5	0.077	0.038	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.041	0.047	0.047	0.056	0.061	0.064	0.062	0.063	0.058	0.058	0.5	0.082	0.041	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.043	0.052	0.055	0.061	0.063	0.064	0.063	0.064	0.056	0.054	0.5	0.085	0.042	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.042	0.052	0.054	0.058	0.060	0.061	0.059	0.059	0.053	0.048	0.5	0.073	0.036	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS4	0.032	0.028	0.027	0.035	0.033	0.037	0.035	0.036	0.036	0.036	0.5	0.030	0.015	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.035	0.036	0.037	0.044	0.047	0.051	0.055	0.052	0.051	0.050	0.5	0.057	0.029	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.034	0.036	0.040	0.044	0.048	0.054	0.052	0.052	0.050	0.050	0.5	0.056	0.028	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.038	0.041	0.042	0.050	0.052	0.060	0.060	0.056	0.050	0.047	0.5	0.064	0.032	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.034	0.036	0.037	0.040	0.040	0.043	0.040	0.036	0.033	0.031	0.5	0.033	0.017	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS5	0.022	0.022	0.025	0.026	0.030	0.033	0.032	0.026	0.030	0.030	0.5	0.021	0.010	0.010
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.024	0.030	0.027	0.027	0.040	0.047	0.045	0.038	0.050	0.043	0.5	0.039	0.019	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.027	0.032	0.027	0.026	0.030	0.046	0.048	0.043	0.043	0.028	0.5	0.034	0.017	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.035	0.038	0.036	0.038	0.053	0.063	0.063	0.033	0.041	0.030	0.5	0.050	0.025	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.025	0.036	0.041	0.047	0.052	0.044	0.051	0.043	0.025	0.021	0.5	0.039	0.019	0.020
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS1	0.040	0.040	0.041	0.048	0.060	0.063	0.065	0.062	0.058	0.058	0.5	0.080	0.040	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.042	0.041	0.043	0.052	0.063	0.067	0.070	0.068	0.065	0.060	0.5	0.092	0.046	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS2	0.040	0.042	0.045	0.052	0.060	0.066	0.070	0.070	0.073	0.068	0.5	0.098	0.049	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.041	0.045	0.050	0.055	0.061	0.070	0.071	0.072	0.073	0.072	0.5	0.105	0.053	0.050

Notes:

MPE calculations are defined in section 15.0



**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS3	0.044	0.056	0.053	0.056	0.061	0.067	0.070	0.071	0.070	0.070	0.5	0.106	0.053	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.041	0.046	0.044	0.055	0.061	0.062	0.065	0.068	0.066	0.066	0.5	0.092	0.046	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS4	0.040	0.036	0.039	0.044	0.048	0.053	0.054	0.056	0.054	0.053	0.5	0.063	0.032	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.036	0.033	0.038	0.039	0.039	0.043	0.047	0.047	0.048	0.050	0.5	0.049	0.024	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS5	0.023	0.022	0.025	0.030	0.027	0.041	0.045	0.038	0.040	0.037	0.5	0.031	0.016	0.020
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.020	0.023	0.028	0.030	0.036	0.040	0.050	0.042	0.041	0.041	0.5	0.036	0.018	0.020
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.041	0.040	0.044	0.050	0.061	0.065	0.067	0.061	0.061	0.056	0.5	0.084	0.042	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.040	0.040	0.041	0.050	0.056	0.060	0.057	0.054	0.057	0.051	0.5	0.070	0.035	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.041	0.043	0.046	0.052	0.058	0.063	0.070	0.070	0.070	0.067	0.5	0.095	0.047	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.040	0.041	0.045	0.052	0.061	0.065	0.065	0.064	0.063	0.060	0.5	0.085	0.042	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.037	0.040	0.042	0.047	0.054	0.060	0.061	0.062	0.064	0.063	0.5	0.079	0.040	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.044	0.051	0.053	0.061	0.067	0.068	0.071	0.070	0.066	0.061	0.5	0.102	0.051	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.036	0.031	0.030	0.036	0.037	0.042	0.042	0.044	0.044	0.047	0.5	0.042	0.021	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - 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)
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.037	0.037	0.039	0.046	0.053	0.056	0.061	0.061	0.055	0.054	0.5	0.068	0.034	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.018	0.017	0.026	0.028	0.034	0.033	0.040	0.040	0.038	0.038	0.5	0.028	0.014	0.010
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.023	0.033	0.040	0.043	0.051	0.061	0.062	0.063	0.057	0.042	0.5	0.064	0.032	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.040	0.040	0.043	0.040	0.058	0.058	0.057	0.053	0.051	0.046	0.5	0.064	0.032	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS1	0.047	0.046	0.052	0.063	0.068	0.072	0.068	0.063	0.058	0.054	0.5	0.093	0.046	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS1	0.048	0.046	0.050	0.061	0.065	0.063	0.060	0.053	0.058	0.056	0.5	0.080	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.040	0.041	0.044	0.050	0.056	0.061	0.063	0.058	0.063	0.056	0.5	0.077	0.039	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS2	0.048	0.050	0.053	0.060	0.065	0.074	0.075	0.076	0.072	0.070	0.5	0.110	0.055	0.060
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS2	0.047	0.048	0.050	0.056	0.061	0.067	0.068	0.065	0.065	0.063	0.5	0.090	0.045	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.042	0.046	0.053	0.058	0.063	0.066	0.067	0.065	0.061	0.059	0.5	0.091	0.046	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS3	0.042	0.045	0.050	0.058	0.063	0.068	0.069	0.069	0.066	0.065	0.5	0.094	0.047	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS3	0.041	0.045	0.051	0.058	0.061	0.064	0.063	0.060	0.056	0.053	0.5	0.079	0.039	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.038	0.035	0.043	0.046	0.050	0.056	0.055	0.055	0.054	0.053	0.5	0.064	0.032	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS4	0.041	0.038	0.040	0.047	0.053	0.056	0.060	0.060	0.056	0.059	0.5	0.069	0.035	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS4	0.041	0.040	0.042	0.051	0.052	0.055	0.060	0.052	0.050	0.046	0.5	0.062	0.031	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.030	0.032	0.037	0.040	0.050	0.047	0.055	0.055	0.038	0.041	0.5	0.050	0.025	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS5	0.028	0.031	0.037	0.040	0.043	0.044	0.052	0.046	0.048	0.045	0.5	0.046	0.023	0.020
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS5	0.021	0.035	0.043	0.034	0.052	0.061	0.061	0.053	0.037	0.040	0.5	0.052	0.026	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS1	0.044	0.043	0.047	0.054	0.062	0.058	0.054	0.051	0.051	0.054	0.5	0.069	0.034	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.044	0.042	0.045	0.051	0.054	0.052	0.050	0.048	0.051	0.052	0.5	0.061	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.040	0.040	0.043	0.050	0.053	0.053	0.053	0.054	0.057	0.064	0.5	0.063	0.032	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS2	0.046	0.046	0.047	0.054	0.057	0.061	0.064	0.060	0.062	0.058	0.5	0.079	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.044	0.042	0.046	0.052	0.057	0.065	0.066	0.063	0.063	0.064	0.5	0.082	0.041	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.040	0.042	0.047	0.054	0.063	0.068	0.070	0.064	0.067	0.063	0.5	0.083	0.042	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS3	0.038	0.042	0.048	0.056	0.058	0.060	0.060	0.057	0.054	0.052	0.5	0.071	0.036	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.041	0.048	0.054	0.060	0.065	0.064	0.063	0.059	0.056	0.054	0.5	0.082	0.041	0.040

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.047	0.056	0.057	0.061	0.063	0.067	0.062	0.058	0.054	0.054	0.5	0.082	0.041	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS4	0.043	0.041	0.039	0.048	0.051	0.052	0.051	0.049	0.047	0.044	0.5	0.055	0.028	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.040	0.041	0.043	0.053	0.054	0.057	0.058	0.052	0.050	0.048	0.5	0.063	0.032	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.037	0.036	0.037	0.043	0.044	0.046	0.042	0.040	0.040	0.036	0.5	0.039	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS5	0.035	0.034	0.036	0.036	0.050	0.054	0.040	0.038	0.028	0.032	0.5	0.039	0.019	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.036	0.032	0.040	0.050	0.056	0.057	0.048	0.051	0.047	0.033	0.5	0.053	0.027	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.026	0.035	0.031	0.046	0.051	0.051	0.050	0.041	0.035	0.031	0.5	0.040	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.038	0.038	0.040	0.046	0.053	0.060	0.062	0.058	0.060	0.055	0.5	0.075	0.037	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.041	0.040	0.043	0.051	0.062	0.066	0.068	0.065	0.064	0.056	0.5	0.087	0.044	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.040	0.038	0.047	0.047	0.056	0.054	0.055	0.053	0.051	0.050	0.5	0.065	0.033	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS1	0.043	0.042	0.047	0.058	0.063	0.064	0.058	0.060	0.053	0.054	0.5	0.078	0.039	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS1	0.042	0.041	0.045	0.051	0.052	0.053	0.051	0.050	0.048	0.051	0.5	0.060	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.037	0.038	0.040	0.047	0.053	0.060	0.063	0.062	0.063	0.061	0.5	0.080	0.040	0.040

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.040	0.045	0.046	0.053	0.063	0.070	0.071	0.072	0.070	0.070	0.5	0.102	0.051	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.038	0.040	0.045	0.051	0.057	0.061	0.063	0.065	0.061	0.061	0.5	0.081	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS2	0.045	0.045	0.050	0.055	0.061	0.068	0.070	0.067	0.068	0.064	0.5	0.094	0.047	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS2	0.041	0.042	0.044	0.050	0.056	0.058	0.060	0.058	0.058	0.055	0.5	0.070	0.035	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.039	0.043	0.044	0.048	0.057	0.059	0.061	0.062	0.059	0.060	0.5	0.081	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.038	0.045	0.042	0.047	0.050	0.058	0.063	0.062	0.060	0.060	0.5	0.077	0.039	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.041	0.046	0.052	0.058	0.064	0.066	0.069	0.067	0.064	0.061	0.5	0.094	0.047	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS3	0.029	0.044	0.046	0.054	0.059	0.066	0.064	0.064	0.061	0.061	0.5	0.081	0.041	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS3	0.037	0.043	0.045	0.052	0.055	0.058	0.057	0.054	0.054	0.046	0.5	0.065	0.032	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.037	0.033	0.036	0.042	0.044	0.048	0.050	0.050	0.050	0.051	0.5	0.055	0.028	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.032	0.036	0.030	0.046	0.041	0.044	0.046	0.044	0.044	0.046	0.5	0.046	0.023	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.041	0.037	0.038	0.044	0.049	0.055	0.055	0.055	0.053	0.052	0.5	0.062	0.031	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS4	0.035	0.036	0.046	0.042	0.046	0.052	0.052	0.052	0.052	0.052	0.5	0.057	0.029	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS4	0.032	0.035	0.037	0.043	0.047	0.049	0.050	0.047	0.043	0.041	0.5	0.046	0.023	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.020	0.025	0.020	0.030	0.032	0.037	0.040	0.037	0.031	0.035	0.5	0.028	0.014	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.022	0.022	0.020	0.030	0.032	0.038	0.042	0.038	0.033	0.035	0.5	0.028	0.014	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.030	0.030	0.037	0.044	0.042	0.034	0.052	0.040	0.055	0.045	0.5	0.046	0.023	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS5	0.022	0.028	0.027	0.040	0.031	0.028	0.030	0.043	0.030	0.030	0.5	0.026	0.013	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS5	0.031	0.033	0.036	0.038	0.048	0.048	0.051	0.040	0.042	0.041	0.5	0.043	0.022	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.037	0.038	0.040	0.045	0.047	0.050	0.056	0.044	0.041	0.051	0.5	0.057	0.029	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.036	0.038	0.035	0.048	0.052	0.063	0.068	0.067	0.053	0.052	0.5	0.075	0.038	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.030	0.035	0.042	0.040	0.050	0.045	0.046	0.041	0.043	0.044	0.5	0.047	0.023	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.034	0.042	0.040	0.048	0.058	0.055	0.053	0.050	0.043	0.043	0.5	0.058	0.029	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.033	0.032	0.040	0.045	0.048	0.045	0.043	0.040	0.050	0.055	0.5	0.048	0.024	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.032	0.030	0.032	0.040	0.042	0.040	0.043	0.045	0.037	0.055	0.5	0.039	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.028	0.027	0.032	0.034	0.043	0.046	0.042	0.043	0.042	0.045	0.5	0.042	0.021	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.032	0.033	0.036	0.047	0.050	0.066	0.068	0.071	0.064	0.070	0.5	0.085	0.042	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.027	0.033	0.038	0.044	0.053	0.057	0.065	0.060	0.055	0.047	0.5	0.065	0.032	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.040	0.036	0.037	0.050	0.055	0.066	0.065	0.065	0.061	0.058	0.5	0.077	0.039	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.037	0.038	0.040	0.038	0.044	0.053	0.062	0.054	0.058	0.057	0.5	0.061	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.038	0.035	0.042	0.043	0.055	0.053	0.062	0.060	0.061	0.060	0.5	0.065	0.032	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.022	0.039	0.040	0.043	0.045	0.047	0.050	0.054	0.053	0.056	0.5	0.059	0.029	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.033	0.041	0.043	0.047	0.055	0.058	0.060	0.062	0.061	0.060	0.5	0.076	0.038	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.039	0.045	0.047	0.056	0.061	0.063	0.066	0.062	0.058	0.056	0.5	0.083	0.042	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.037	0.041	0.044	0.052	0.056	0.059	0.061	0.061	0.056	0.056	0.5	0.073	0.036	0.040
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.038	0.043	0.046	0.054	0.057	0.057	0.060	0.055	0.051	0.047	0.5	0.067	0.033	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.040	0.046	0.048	0.054	0.058	0.058	0.055	0.053	0.047	0.046	0.5	0.062	0.031	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.032	0.030	0.030	0.035	0.037	0.041	0.042	0.042	0.044	0.042	0.5	0.040	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.030	0.031	0.032	0.037	0.037	0.042	0.044	0.045	0.045	0.047	0.5	0.042	0.021	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.040	0.040	0.038	0.046	0.048	0.053	0.060	0.057	0.053	0.051	0.5	0.064	0.032	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.037	0.037	0.037	0.045	0.046	0.050	0.050	0.050	0.048	0.048	0.5	0.053	0.026	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.036	0.038	0.041	0.046	0.047	0.050	0.051	0.048	0.046	0.042	0.5	0.051	0.025	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.032	0.036	0.035	0.040	0.041	0.040	0.037	0.034	0.032	0.030	0.5	0.031	0.016	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.028	0.025	0.027	0.030	0.034	0.039	0.038	0.039	0.037	0.036	0.5	0.032	0.016	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.025	0.023	0.028	0.030	0.035	0.039	0.041	0.041	0.040	0.039	0.5	0.033	0.016	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.031	0.033	0.037	0.042	0.047	0.052	0.055	0.055	0.052	0.050	0.5	0.057	0.028	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.032	0.032	0.036	0.040	0.043	0.048	0.047	0.045	0.040	0.037	0.5	0.042	0.021	0.020
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.036	0.036	0.042	0.044	0.049	0.051	0.050	0.048	0.044	0.039	0.5	0.050	0.025	0.030
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.035	0.034	0.039	0.043	0.046	0.046	0.044	0.038	0.033	0.027	0.5	0.037	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.030	0.028	0.032	0.038	0.036	0.038	0.040	0.045	0.043	0.050	0.5	0.041	0.021	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.015	0.022	0.038	0.040	0.043	0.051	0.052	0.053	0.047	0.058	0.5	0.053	0.026	0.030
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.030	0.033	0.027	0.034	0.038	0.037	0.041	0.044	0.050	0.054	0.5	0.042	0.021	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.040	0.036	0.043	0.042	0.052	0.050	0.043	0.046	0.054	0.065	0.5	0.059	0.030	0.030

Notes:

MPE calculations are defined in section 15.0



**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.043	0.038	0.044	0.047	0.048	0.050	0.054	0.055	0.058	0.070	0.5	0.067	0.034	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.027	0.025	0.035	0.041	0.040	0.045	0.042	0.047	0.067	0.072	0.5	0.052	0.026	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.023	0.026	0.028	0.027	0.028	0.033	0.043	0.047	0.045	0.044	0.5	0.035	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.028	0.024	0.031	0.041	0.047	0.051	0.054	0.055	0.060	0.062	0.5	0.061	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.030	0.030	0.036	0.040	0.043	0.044	0.045	0.043	0.043	0.047	0.5	0.044	0.022	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.038	0.033	0.036	0.050	0.052	0.061	0.058	0.054	0.070	0.062	0.5	0.072	0.036	0.040
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.030	0.036	0.036	0.046	0.045	0.040	0.052	0.057	0.061	0.062	0.5	0.058	0.029	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.022	0.023	0.036	0.050	0.048	0.063	0.060	0.062	0.061	0.071	0.5	0.066	0.033	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.027	0.028	0.026	0.030	0.034	0.038	0.042	0.042	0.043	0.046	0.5	0.037	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.032	0.034	0.034	0.039	0.044	0.047	0.050	0.051	0.053	0.050	0.5	0.053	0.026	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.032	0.035	0.036	0.042	0.046	0.047	0.047	0.048	0.046	0.045	0.5	0.049	0.024	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.037	0.038	0.043	0.047	0.057	0.057	0.059	0.057	0.056	0.052	0.5	0.067	0.034	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.035	0.038	0.043	0.052	0.056	0.058	0.059	0.056	0.051	0.051	0.5	0.065	0.032	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.037	0.045	0.046	0.050	0.057	0.058	0.057	0.056	0.050	0.051	0.5	0.063	0.031	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.032	0.032	0.030	0.040	0.040	0.043	0.048	0.047	0.046	0.046	0.5	0.047	0.023	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.035	0.032	0.030	0.042	0.041	0.044	0.045	0.045	0.045	0.045	0.5	0.045	0.023	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.036	0.035	0.033	0.044	0.046	0.047	0.050	0.047	0.045	0.043	0.5	0.049	0.025	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.038	0.038	0.038	0.043	0.048	0.052	0.052	0.051	0.050	0.047	0.5	0.055	0.028	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.038	0.040	0.042	0.050	0.052	0.062	0.054	0.048	0.047	0.044	0.5	0.059	0.029	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.035	0.040	0.036	0.045	0.044	0.044	0.042	0.038	0.033	0.034	0.5	0.037	0.019	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.025	0.024	0.026	0.030	0.034	0.039	0.040	0.041	0.039	0.040	0.5	0.033	0.017	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.024	0.024	0.027	0.032	0.036	0.040	0.042	0.041	0.040	0.038	0.5	0.033	0.017	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.028	0.029	0.035	0.039	0.045	0.050	0.051	0.049	0.047	0.044	0.5	0.048	0.024	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.029	0.029	0.034	0.038	0.040	0.043	0.044	0.040	0.035	0.033	0.5	0.035	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.038	0.037	0.041	0.046	0.050	0.053	0.050	0.047	0.041	0.036	0.5	0.050	0.025	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.032	0.034	0.038	0.044	0.045	0.047	0.041	0.036	0.030	0.028	0.5	0.035	0.017	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.016	0.023	0.025	0.030	0.035	0.036	0.038	0.040	0.046	0.054	0.5	0.036	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.018	0.025	0.023	0.033	0.034	0.036	0.038	0.040	0.050	0.057	0.5	0.038	0.019	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.032	0.028	0.025	0.030	0.040	0.038	0.030	0.040	0.044	0.055	0.5	0.037	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.033	0.030	0.034	0.043	0.044	0.044	0.040	0.045	0.063	0.073	0.5	0.057	0.028	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.032	0.033	0.035	0.041	0.042	0.044	0.045	0.046	0.061	0.072	0.5	0.055	0.028	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.035	0.035	0.040	0.041	0.043	0.044	0.051	0.064	0.075	0.089	0.5	0.072	0.036	0.040
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.020	0.024	0.026	0.028	0.030	0.035	0.033	0.030	0.033	0.044	0.5	0.027	0.013	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.025	0.027	0.028	0.033	0.038	0.044	0.040	0.045	0.050	0.052	0.5	0.042	0.021	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.027	0.028	0.035	0.032	0.040	0.040	0.038	0.034	0.043	0.045	0.5	0.036	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.036	0.037	0.036	0.033	0.043	0.041	0.047	0.040	0.055	0.047	0.5	0.046	0.023	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.030	0.028	0.036	0.038	0.036	0.042	0.032	0.044	0.046	0.054	0.5	0.039	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.034	0.035	0.038	0.042	0.052	0.054	0.055	0.065	0.072	0.072	0.5	0.070	0.035	0.040
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.028	0.029	0.026	0.028	0.033	0.032	0.034	0.032	0.030	0.034	0.5	0.026	0.013	0.010

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.027	0.029	0.027	0.031	0.036	0.039	0.040	0.039	0.038	0.042	0.5	0.034	0.017	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.027	0.028	0.029	0.033	0.038	0.037	0.035	0.032	0.031	0.035	0.5	0.028	0.014	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.031	0.033	0.037	0.042	0.047	0.049	0.048	0.050	0.044	0.049	0.5	0.049	0.025	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.028	0.031	0.033	0.036	0.038	0.039	0.037	0.036	0.037	0.041	0.5	0.032	0.016	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.032	0.042	0.041	0.045	0.048	0.049	0.049	0.050	0.048	0.052	0.5	0.051	0.025	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.035	0.032	0.028	0.036	0.037	0.038	0.040	0.040	0.036	0.037	0.5	0.036	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.040	0.034	0.033	0.042	0.043	0.043	0.045	0.044	0.040	0.040	0.5	0.045	0.022	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.036	0.032	0.030	0.040	0.037	0.040	0.040	0.038	0.033	0.033	0.5	0.035	0.017	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.038	0.036	0.036	0.048	0.048	0.048	0.050	0.046	0.043	0.042	0.5	0.050	0.025	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.034	0.036	0.034	0.044	0.043	0.042	0.042	0.038	0.033	0.035	0.5	0.037	0.019	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.036	0.038	0.040	0.046	0.044	0.045	0.041	0.040	0.035	0.036	0.5	0.039	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.023	0.022	0.025	0.026	0.028	0.033	0.034	0.032	0.032	0.031	0.5	0.023	0.012	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.023	0.023	0.027	0.030	0.035	0.039	0.039	0.038	0.035	0.034	0.5	0.029	0.015	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX6500 VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.025	0.026	0.030	0.034	0.038	0.040	0.040	0.038	0.035	0.034	0.5	0.031	0.016	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.025	0.026	0.030	0.034	0.037	0.038	0.038	0.035	0.030	0.029	0.5	0.027	0.014	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.030	0.031	0.033	0.037	0.039	0.039	0.038	0.035	0.030	0.030	0.5	0.030	0.015	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.033	0.033	0.037	0.040	0.042	0.042	0.038	0.034	0.029	0.029	0.5	0.031	0.016	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.2**

**APX6500 VHF - MPE measurement data for Passenger**

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/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Roof	HAD4006A 1/4 Wave (136-144 MHz)	2.15	136	60.0	58.1	CW	E	1.03	PB	0.637	0.357	0.173	0.5	0.401	0.200	0.21
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140	60.0	58	CW	E	1.02	PB	0.651	0.404	0.203	0.5	0.428	0.210	0.22
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PB	0.54	0.394	0.227	0.5	0.395	0.197	0.21
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PB	0.498	0.337	0.243	0.5	0.367	0.183	0.19
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PB	0.436	0.440	0.360	0.5	0.420	0.210	0.22
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PB	0.372	0.387	0.303	0.5	0.361	0.181	0.19
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PB	0.357	0.496	0.396	0.5	0.425	0.212	0.22
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PB	0.389	0.537	0.4	0.5	0.451	0.225	0.23
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PB	0.346	0.492	0.395	0.5	0.419	0.210	0.21
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.299	0.495	0.41	0.5	0.409	0.205	0.21
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.112	0.317	0.331	0.5	0.258	0.129	0.13
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PB	0.595	0.321	0.167	0.5	0.372	0.190	0.19
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PB	0.48	0.363	0.226	0.5	0.363	0.180	0.19
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PB	0.39	0.41	0.308	0.5	0.377	0.190	0.20
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PB	0.304	0.404	0.342	0.5	0.357	0.179	0.18

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162	60.0	59	CW	E	1.02	PB	0.278	0.416	0.331	0.5	0.349	0.174	0.18
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146	60.0	57.7	CW	E	1.02	PB	0.275	0.231	0.149	0.5	0.223	0.111	0.12
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PB	0.326	0.359	0.268	0.5	0.324	0.160	0.17
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.349	0.425	0.378	0.5	0.392	0.196	0.20
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.346	0.499	0.434	0.5	0.435	0.220	0.22
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.174	0.25	0.301	0.5	0.247	0.120	0.13
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PB	0.491	0.245	0.132	0.5	0.298	0.150	0.15
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PB	0.35	0.364	0.23	0.5	0.321	0.160	0.17
Roof	HAD4021A,1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PB	0.317	0.365	0.267	0.5	0.323	0.160	0.17
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.32	0.355	0.33	0.5	0.342	0.170	0.18
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.32	0.382	0.333	0.5	0.352	0.180	0.18
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.14	0.222	0.264	0.5	0.213	0.110	0.11
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.03	PB	0.083	0.043	0.019	0.5	0.050	0.020	0.03
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.02	PB	0.05	0.106	0.061	0.5	0.074	0.037	0.04
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.02	PB	0.01	0.105	0.073	0.5	0.064	0.032	0.03

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.014	0.143	0.141	0.5	0.101	0.051	0.05
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.012	0.271	0.22	0.5	0.171	0.086	0.09
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.015	0.19	0.167	0.5	0.126	0.063	0.06
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136	60.0	58.1	CW	E	1.03	PB	0.031	0.014	0.007	0.5	0.018	0.009	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144	60.0	57.7	CW	E	1.02	PB	0.061	0.057	0.043	0.5	0.055	0.030	0.03
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8	60.0	57.9	CW	E	1.02	PB	0.035	0.05	0.051	0.5	0.046	0.020	0.02
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.038	0.043	0.06	0.5	0.048	0.020	0.02
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.03	0.094	0.085	0.5	0.071	0.040	0.04
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.025	0.097	0.121	0.5	0.083	0.040	0.04
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.094	0.06	0.045	0.5	0.134	0.067	0.07
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58	CW	H	0.85	PB	0.084	0.06	0.044	0.5	0.114	0.060	0.06
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.082	0.063	0.044	0.5	0.115	0.060	0.06
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.079	0.06	0.042	0.5	0.105	0.050	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.079	0.069	0.057	0.5	0.126	0.060	0.07
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.075	0.064	0.038	0.5	0.099	0.050	0.05
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PB	0.085	0.077	0.064	0.5	0.149	0.070	0.080
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.82	PB	0.081	0.078	0.068	0.5	0.146	0.070	0.070

Notes:

MPE calculations are defined in section 15.0



**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162	60.0	59	CW	H	0.82	PB	0.076	0.073	0.064	0.5	0.128	0.060	0.07
Roof	HAD4009A 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.079	0.071	0.066	0.5	0.132	0.070	0.07
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.072	0.065	0.061	0.5	0.106	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136	60.0	58.1	CW	H	0.86	PB	0.088	0.058	0.039	0.5	0.117	0.060	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144	60.0	57.7	CW	H	0.85	PB	0.078	0.058	0.043	0.5	0.103	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8	60.0	57.9	CW	H	0.84	PB	0.076	0.063	0.05	0.5	0.109	0.050	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PB	0.078	0.071	0.06	0.5	0.127	0.060	0.07
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59	CW	H	0.82	PB	0.072	0.067	0.061	0.5	0.113	0.060	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.84	PB	0.065	0.04	0.036	0.5	0.063	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.059	0.046	0.5	0.094	0.050	0.05
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.078	0.072	0.063	0.5	0.132	0.070	0.07
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.08	0.073	0.056	0.5	0.126	0.063	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.071	0.063	0.056	0.5	0.098	0.050	0.05
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.075	0.053	0.037	0.5	0.091	0.050	0.050
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.069	0.059	0.041	0.5	0.090	0.045	0.050
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.06	0.043	0.5	0.093	0.050	0.050

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162	60.0	59	CW	H	0.82	PB	0.076	0.073	0.064	0.5	0.128	0.060	0.07
Roof	HAD4009A 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.079	0.071	0.066	0.5	0.132	0.070	0.07
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.072	0.065	0.061	0.5	0.106	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136	60.0	58.1	CW	H	0.86	PB	0.088	0.058	0.039	0.5	0.117	0.060	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144	60.0	57.7	CW	H	0.85	PB	0.078	0.058	0.043	0.5	0.103	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8	60.0	57.9	CW	H	0.84	PB	0.076	0.063	0.05	0.5	0.109	0.050	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PB	0.078	0.071	0.06	0.5	0.127	0.060	0.07
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59	CW	H	0.82	PB	0.072	0.067	0.061	0.5	0.113	0.060	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.84	PB	0.065	0.04	0.036	0.5	0.063	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.059	0.046	0.5	0.094	0.050	0.05
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.078	0.072	0.063	0.5	0.132	0.070	0.07
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.08	0.073	0.056	0.5	0.126	0.063	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.071	0.063	0.056	0.5	0.098	0.050	0.05
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.075	0.053	0.037	0.5	0.091	0.050	0.050
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.069	0.059	0.041	0.5	0.090	0.045	0.050
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.06	0.043	0.5	0.093	0.050	0.050

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.076	0.067	0.062	0.5	0.122	0.060	0.06
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.073	0.067	0.062	0.5	0.115	0.060	0.06
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.066	0.06	0.053	0.5	0.087	0.040	0.04
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136	60.0	58.1	CW	H	0.86	PB	0.034	0.022	0.020	0.5	0.019	0.009	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144	60.0	57.7	CW	H	0.85	PB	0.043	0.034	0.027	0.5	0.034	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8	60.0	57.9	CW	H	0.84	PB	0.042	0.031	0.027	0.5	0.031	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.043	0.04	0.037	0.5	0.042	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.061	0.057	0.049	0.5	0.079	0.040	0.04
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.05	0.048	0.043	0.5	0.054	0.030	0.03
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.025	0.017	0.017	0.5	0.011	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.038	0.024	0.018	0.5	0.021	0.011	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.036	0.028	0.019	0.5	0.022	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.038	0.034	0.023	0.5	0.027	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.041	0.037	0.034	0.5	0.036	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.047	0.04	0.038	0.5	0.042	0.021	0.020

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**

**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136	60.0	58.1	CW	E	1.03	PF	0.138	0.121	0.07	0.5	0.113	0.060	0.06
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140	60.0	58	CW	E	1.02	PF	0.106	0.103	0.078	0.5	0.098	0.050	0.05
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PF	0.079	0.112	0.101	0.5	0.099	0.050	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PF	0.088	0.110	0.093	0.5	0.099	0.049	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PF	0.094	0.088	0.073	0.5	0.087	0.043	0.04
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PF	0.08	0.071	0.061	0.5	0.072	0.036	0.04
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PF	0.065	0.052	0.044	0.5	0.055	0.027	0.03
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PF	0.07	0.106	0.115	0.5	0.099	0.049	0.05
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PF	0.062	0.079	0.105	0.5	0.084	0.042	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.054	0.077	0.115	0.5	0.084	0.042	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.07	0.078	0.103	0.5	0.085	0.043	0.04
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PF	0.124	0.101	0.048	0.5	0.094	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PF	0.081	0.084	0.073	0.5	0.081	0.040	0.04
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PF	0.088	0.09	0.075	0.5	0.086	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PF	0.056	0.042	0.049	0.5	0.050	0.025	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**

**APX6500 VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162	60.0	59	CW	E	1.02	PF	0.05	0.075	0.097	0.5	0.075	0.038	0.04
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146	60.0	57.7	CW	E	1.02	PF	0.037	0.052	0.037	0.5	0.043	0.021	0.02
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PF	0.077	0.075	0.062	0.5	0.073	0.040	0.04
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.049	0.051	0.058	0.5	0.054	0.027	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.058	0.068	0.103	0.5	0.078	0.040	0.04
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.061	0.07	0.095	0.5	0.077	0.040	0.04
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PF	0.097	0.075	0.035	0.5	0.071	0.040	0.04
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PF	0.083	0.1	0.074	0.5	0.087	0.040	0.05
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PF	0.078	0.077	0.056	0.5	0.072	0.040	0.04
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.036	0.039	0.051	0.5	0.043	0.020	0.02
Roof	HAD4021A 1/4 Wave (136-174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.048	0.046	0.083	0.5	0.060	0.030	0.03
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.056	0.067	0.078	0.5	0.068	0.030	0.03
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.03	PF	0.024	0.021	0.01	0.5	0.019	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.02	PF	0.023	0.028	0.038	0.5	0.030	0.015	0.020
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.02	PF	0.021	0.016	0.017	0.5	0.018	0.009	0.010

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

Ant Loc.	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)
	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.012	0.016	0.018	0.5	0.016	0.008	0.01
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.031	0.039	0.059	0.5	0.044	0.022	0.02
Roof	HAD4022A, 5/8 Wave (132-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.027	0.035	0.047	0.5	0.037	0.019	0.02
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136	60.0	58.1	CW	E	1.03	PF	0.029	0.024	0.014	0.5	0.023	0.012	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144	60.0	57.7	CW	E	1.02	PF	0.011	0.006	0.010	0.5	0.009	0.000	0.00
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8	60.0	57.9	CW	E	1.02	PF	0.028	0.027	0.018	0.5	0.025	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.005	0.005	0.004	0.5	0.005	0.000	0.00
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.011	0.012	0.02	0.5	0.015	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.013	0.029	0.033	0.5	0.026	0.010	0.01
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PF	0.082	0.078	0.025	0.5	0.125	0.062	0.06
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58	CW	H	0.85	PF	0.068	0.061	0.027	0.5	0.082	0.040	0.04
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.067	0.062	0.029	0.5	0.083	0.040	0.04
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.07	0.068	0.02	0.5	0.090	0.050	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.06	0.051	0.033	0.5	0.065	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.044	0.051	0.038	0.5	0.053	0.030	0.030

Notes:

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX6500 VHF - MPE measurement data for Passenger**

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)
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		Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4	60.0	58.4	CW	H	0.83	PF	0.047	0.053	0.033	0.5	0.053	0.030	0.03
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162	60.0	59	CW	H	0.82	PF	0.048	0.068	0.055	0.5	0.084	0.040	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162	60.0	59	CW	H	0.82	PF	0.054	0.064	0.052	0.5	0.082	0.040	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.045	0.054	0.051	0.5	0.064	0.030	0.03
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.050	0.056	0.052	0.5	0.067	0.030	0.03
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136	60.0	58.1	CW	H	0.86	PF	0.072	0.07	0.031	0.5	0.103	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.064	0.051	0.029	0.5	0.068	0.030	0.04
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.044	0.047	0.033	0.5	0.046	0.020	0.02
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PF	0.048	0.047	0.04	0.5	0.053	0.030	0.03
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59	CW	H	0.82	PF	0.037	0.061	0.044	0.5	0.059	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.84	PF	0.045	0.038	0.023	0.5	0.035	0.020	0.02
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.047	0.048	0.031	0.5	0.049	0.020	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.04	0.052	0.039	0.5	0.050	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.047	0.047	0.058	0.5	0.066	0.033	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.05	0.053	0.04	0.5	0.056	0.030	0.030

Notes:

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136	60.0	58.1	CW	H	0.86	PF	0.072	0.064	0.029	0.5	0.094	0.050	0.05
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144	60.0	57.7	CW	H	0.85	PF	0.061	0.053	0.031	0.5	0.068	0.034	0.04
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8	60.0	57.9	CW	H	0.84	PF	0.065	0.049	0.033	0.5	0.068	0.030	0.04
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.040	0.050	0.040	0.5	0.049	0.020	0.03
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.039	0.045	0.050	0.5	0.051	0.030	0.03
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.048	0.042	0.047	0.5	0.050	0.030	0.03
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.86	PF	0.036	0.033	0.021	0.5	0.026	0.013	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.038	0.03	0.021	0.5	0.025	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.034	0.031	0.024	0.5	0.024	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.035	0.032	0.028	0.5	0.026	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.034	0.041	0.042	0.5	0.039	0.019	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.031	0.032	0.031	0.5	0.024	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.86	PF	0.03	0.028	0.02	0.5	0.019	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.022	0.021	0.016	0.5	0.011	0.005	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.032	0.029	0.018	0.5	0.019	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.021	0.02	0.019	0.5	0.010	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.02	0.021	0.022	0.5	0.011	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.029	0.026	0.027	0.5	0.018	0.009	0.010

Notes:

MPE calculations are defined in section 15.0



**Appendix G – MPE Test Results Summary for Companion Device (DVR VHF)**

**Table G.1**

**DVR VHF - 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)	
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		Bystander (BS) Positions														
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS1	0.006	0.009	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	1.0	0.012	0.01	0.013
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS1	0.008	0.008	0.009	0.01	0.012	0.014	0.014	0.014	0.014	0.014	0.014	1.0	0.012	0.01	0.012
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS2	0.007	0.011	0.014	0.016	0.022	0.024	0.024	0.024	0.024	0.024	0.024	1.0	0.019	0.02	0.020
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS2	0.005	0.008	0.011	0.014	0.017	0.017	0.017	0.017	0.017	0.017	0.017	1.0	0.014	0.01	0.015
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS3	0.009	0.012	0.02	0.025	0.03	0.032	0.038	0.038	0.038	0.038	0.038	1.0	0.028	0.03	0.029
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS3	0.007	0.011	0.014	0.018	0.026	0.031	0.036	0.036	0.036	0.036	0.036	1.0	0.025	0.03	0.026
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS4	0.012	0.019	0.022	0.024	0.025	0.027	0.033	0.0333	0.033	0.033	0.033	1.0	0.026	0.03	0.027
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS4	0.01	0.017	0.02	0.02	0.021	0.027	0.031	0.031	0.031	0.031	0.031	1.0	0.024	0.02	0.025
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS5	0.01	0.01	0.01	0.014	0.016	0.021	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.019
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS5	0.015	0.015	0.015	0.015	0.019	0.024	0.024	0.024	0.024	0.024	0.024	1.0	0.020	0.02	0.021

Notes:

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

**Table G.1 (Continued)**  
**DVR VHF - 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)	
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		Bystander (BS) Positions														
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS1	0.006	0.007	0.009	0.013	0.018	0.018	0.018	0.018	0.018	0.018	0.018	1.0	0.014	0.01	0.015
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS1	0.002	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	1.0	0.006	0.01	0.006
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS2	0.006	0.009	0.012	0.017	0.018	0.019	0.02	0.02	0.02	0.02	0.02	1.0	0.016	0.02	0.017
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS2	0.002	0.005	0.006	0.009	0.013	0.015	0.015	0.015	0.015	0.015	0.015	1.0	0.011	0.01	0.012
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS3	0.007	0.013	0.018	0.019	0.031	0.033	0.036	0.036	0.036	0.036	0.036	1.0	0.027	0.03	0.028
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS3	0.007	0.012	0.017	0.019	0.03	0.035	0.04	0.04	0.04	0.04	0.04	1.0	0.028	0.03	0.029
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS4	0.013	0.019	0.022	0.024	0.026	0.029	0.031	0.031	0.031	0.031	0.031	1.0	0.026	0.03	0.027
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS4	0.013	0.013	0.024	0.025	0.03	0.044	0.044	0.044	0.044	0.044	0.044	1.0	0.033	0.03	0.034
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS5	0.014	0.016	0.016	0.016	0.018	0.025	0.026	0.026	0.026	0.026	0.026	1.0	0.021	0.02	0.022
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS5	0.008	0.008	0.009	0.009	0.015	0.019	0.019	0.019	0.019	0.019	0.019	1.0	0.014	0.01	0.015

Notes:

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

**Table G.1 (Continued)**  
**DVR VHF - 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)
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS1	0.003	0.003	0.006	0.007	0.007	0.007	0.007	0.007	0.008	0.009	1.0	0.006	0.01	0.007
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS1	0.003	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	1.0	0.005	0.01	0.005
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS1	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	1.0	0.004	0.00	0.005
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS2	0.002	0.006	0.007	0.01	0.012	0.013	0.014	0.014	0.014	0.014	1.0	0.011	0.01	0.011
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS2	0.005	0.009	0.01	0.017	0.017	0.02	0.02	0.02	0.02	0.02	1.0	0.016	0.02	0.016
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS2	0.006	0.009	0.011	0.021	0.027	0.027	0.027	0.027	0.027	0.027	1.0	0.021	0.02	0.022
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS3	0.006	0.011	0.017	0.018	0.027	0.032	0.036	0.036	0.036	0.036	1.0	0.026	0.03	0.027
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS3	0.009	0.016	0.021	0.021	0.028	0.044	0.049	0.049	0.049	0.049	1.0	0.034	0.03	0.035
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS3	0.014	0.021	0.027	0.031	0.051	0.051	0.052	0.052	0.052	0.052	1.0	0.040	0.041	0.042
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS4	0.012	0.018	0.021	0.022	0.025	0.032	0.039	0.039	0.039	0.039	1.0	0.029	0.03	0.030
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS4	0.011	0.017	0.021	0.023	0.029	0.03	0.034	0.034	0.034	0.034	1.0	0.027	0.03	0.028
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS4	0.016	0.025	0.03	0.031	0.038	0.049	0.051	0.051	0.051	0.051	1.0	0.039	0.04	0.041

MPE calculations are defined in section 15.0.

**Table G.1 (Continued)**  
**DVR VHF - 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)
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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS5	0.007	0.007	0.007	0.007	0.013	0.018	0.018	0.018	0.018	0.018	1.0	0.013	0.01	0.014
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS5	0.01	0.01	0.011	0.011	0.018	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.020
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS5	0.01	0.01	0.01	0.012	0.021	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS1	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	1.0	0.005	0.00	0.005
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	1.0	0.004	0.00	0.004
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS1	0.005	0.005	0.005	0.005	0.006	0.008	0.008	0.008	0.008	0.008	1.0	0.007	0.01	0.007
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS2	0.005	0.011	0.011	0.011	0.016	0.016	0.018	0.018	0.018	0.018	1.0	0.014	0.01	0.015
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS2	0.005	0.008	0.01	0.014	0.02	0.024	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.019
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS2	0.005	0.006	0.008	0.01	0.015	0.016	0.018	0.018	0.018	0.018	1.0	0.013	0.01	0.014
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS3	0.012	0.015	0.018	0.02	0.028	0.038	0.038	0.038	0.038	0.038	1.0	0.028	0.03	0.029
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS3	0.01	0.02	0.025	0.036	0.036	0.048	0.053	0.054	0.054	0.054	1.0	0.039	0.04	0.040
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS3	0.012	0.017	0.02	0.021	0.037	0.038	0.043	0.043	0.043	0.043	1.0	0.032	0.03	0.033

MPE calculations are defined in section 15.0.

**Table G.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
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.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS4	0.011	0.017	0.021	0.021	0.024	0.033	0.037	0.037	0.037	0.037	1.0	0.028	0.03	0.029
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS4	0.017	0.026	0.032	0.032	0.041	0.05	0.05	0.05	0.05	0.05	1.0	0.040	0.04	0.041
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS4	0.021	0.021	0.023	0.024	0.033	0.041	0.042	0.042	0.042	0.042	1.0	0.033	0.03	0.034
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS5	0.006	0.006	0.007	0.007	0.012	0.013	0.021	0.021	0.021	0.021	1.0	0.014	0.01	0.014
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS5	0.01	0.01	0.01	0.014	0.021	0.027	0.027	0.027	0.027	0.027	1.0	0.020	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS5	0.005	0.006	0.006	0.008	0.016	0.016	0.016	0.016	0.016	0.016	1.0	0.012	0.01	0.012

MPE calculations are defined in section 15.0.

**Table G1 (Continued)**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements											DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
(2) 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.	Bystander (BS) Positions														
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS1	0.016	0.016	0.016	0.017	0.018	0.019	0.019	0.023	0.026	0.026	1.0	0.020	0.01	0.012	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS1	0.016	0.016	0.016	0.016	0.017	0.017	0.018	0.021	0.024	0.025	1.0	0.019	0.01	0.010	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS2	0.02	0.02	0.021	0.021	0.023	0.026	0.028	0.028	0.031	0.034	1.0	0.025	0.02	0.019	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS2	0.019	0.02	0.021	0.021	0.024	0.026	0.029	0.03	0.032	0.033	1.0	0.026	0.02	0.019	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS3	0.022	0.022	0.023	0.025	0.026	0.029	0.031	0.034	0.033	0.033	1.0	0.028	0.02	0.023	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS3	0.016	0.018	0.018	0.021	0.021	0.023	0.025	0.027	0.029	0.03	1.0	0.023	0.01	0.015	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS4	0.021	0.021	0.021	0.022	0.024	0.028	0.032	0.033	0.034	0.035	1.0	0.027	0.02	0.022	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS4	0.019	0.019	0.019	0.02	0.022	0.025	0.028	0.028	0.029	0.033	1.0	0.024	0.02	0.017	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS5	0.019	0.019	0.019	0.02	0.024	0.026	0.03	0.03	0.03	0.029	1.0	0.025	0.02	0.018	
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS5	0.02	0.02	0.02	0.022	0.025	0.028	0.029	0.03	0.029	0.028	1.0	0.025	0.02	0.019	

Notes:

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

**Table G.1 (Continued)**  
**DVR VHF - 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)
<sup>(2)</sup> 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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS1	0.016	0.017	0.017	0.017	0.017	0.017	0.018	0.02	0.023	0.024	1.0	0.019	0.01	0.010
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS1	0.016	0.017	0.017	0.017	0.018	0.019	0.021	0.023	0.026	0.026	1.0	0.020	0.01	0.012
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS2	0.018	0.019	0.02	0.021	0.024	0.025	0.027	0.029	0.03	0.032	1.0	0.025	0.02	0.018
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS2	0.018	0.018	0.019	0.02	0.021	0.022	0.024	0.025	0.027	0.029	1.0	0.022	0.01	0.015
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS3	0.017	0.018	0.02	0.022	0.022	0.024	0.025	0.028	0.029	0.028	1.0	0.023	0.02	0.016
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS3	0.024	0.024	0.025	0.026	0.026	0.028	0.03	0.034	0.034	0.032	1.0	0.028	0.02	0.024
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS4	0.018	0.018	0.018	0.02	0.022	0.026	0.028	0.029	0.029	0.033	1.0	0.024	0.02	0.017
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS4	0.026	0.026	0.026	0.026	0.026	0.031	0.034	0.035	0.035	0.037	1.0	0.030	0.03	0.027
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS5	0.02	0.02	0.02	0.023	0.026	0.028	0.03	0.031	0.028	0.027	1.0	0.025	0.02	0.019
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS5	0.022	0.022	0.022	0.023	0.027	0.028	0.029	0.029	0.028	0.027	1.0	0.026	0.02	0.019

Notes:

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



**Table G.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
<sup>(2)</sup> 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.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS1	0.016	0.016	0.016	0.018	0.018	0.02	0.02	0.025	0.027	0.026	1.0	0.020	0.01	0.012
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS1	0.017	0.017	0.017	0.017	0.018	0.019	0.02	0.022	0.023	0.023	1.0	0.019	0.01	0.011
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS1	0.017	0.019	0.019	0.02	0.02	0.021	0.021	0.023	0.026	0.026	1.0	0.021	0.01	0.013
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS2	0.017	0.018	0.018	0.019	0.02	0.02	0.022	0.025	0.027	0.028	1.0	0.021	0.01	0.013
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS2	0.018	0.02	0.02	0.021	0.023	0.023	0.024	0.026	0.027	0.028	1.0	0.023	0.01	0.015
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS2	0.02	0.02	0.02	0.021	0.025	0.025	0.027	0.03	0.03	0.03	1.0	0.025	0.02	0.017
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS3	0.022	0.023	0.024	0.025	0.025	0.027	0.029	0.031	0.031	0.031	1.0	0.027	0.02	0.021
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS3	0.022	0.022	0.023	0.024	0.024	0.024	0.024	0.026	0.026	0.026	1.0	0.024	0.02	0.016
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS3	0.026	0.027	0.027	0.03	0.03	0.033	0.034	0.035	0.035	0.033	1.0	0.031	0.03	0.027
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS4	0.025	0.025	0.025	0.026	0.027	0.031	0.033	0.035	0.036	0.039	1.0	0.030	0.03	0.027
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS4	0.025	0.026	0.026	0.026	0.026	0.03	0.031	0.032	0.032	0.031	1.0	0.029	0.02	0.023
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS4	0.028	0.028	0.028	0.028	0.03	0.034	0.036	0.036	0.036	0.037	1.0	0.032	0.03	0.029

MPE calculations are defined in section 15.0.

**Table G.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
<sup>(2)</sup> 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.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS5	0.021	0.021	0.021	0.023	0.026	0.027	0.029	0.029	0.029	0.028	1.0	0.025	0.02	0.019
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS5	0.023	0.023	0.023	0.025	0.028	0.03	0.031	0.031	0.031	0.03	1.0	0.028	0.02	0.021
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS5	0.022	0.022	0.022	0.025	0.029	0.03	0.032	0.032	0.032	0.031	1.0	0.028	0.02	0.022
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS1	0.017	0.017	0.017	0.017	0.017	0.018	0.019	0.021	0.023	0.023	1.0	0.019	0.01	0.010
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS1	0.016	0.016	0.016	0.018	0.018	0.02	0.021	0.023	0.026	0.02	1.0	0.019	0.01	0.010
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS1	0.016	0.016	0.016	0.017	0.019	0.021	0.022	0.024	0.025	0.026	1.0	0.020	0.01	0.011
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS2	0.016	0.016	0.018	0.019	0.022	0.023	0.025	0.026	0.034	0.03	1.0	0.023	0.01	0.015
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS2	0.016	0.017	0.018	0.017	0.02	0.022	0.024	0.026	0.029	0.027	1.0	0.022	0.01	0.013
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS2	0.017	0.018	0.018	0.019	0.021	0.023	0.024	0.026	0.028	0.026	1.0	0.022	0.01	0.013
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS3	0.022	0.022	0.024	0.025	0.026	0.028	0.029	0.031	0.029	0.028	1.0	0.026	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS3	0.026	0.028	0.029	0.03	0.03	0.032	0.033	0.036	0.036	0.034	1.0	0.031	0.03	0.027
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS3	0.025	0.028	0.028	0.029	0.03	0.032	0.034	0.034	0.035	0.035	1.0	0.031	0.03	0.026

MPE calculations are defined in section 15.0.

**Table G.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
<sup>(2)</sup> 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		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS4	0.023	0.023	0.023	0.024	0.025	0.028	0.03	0.03	0.03	0.032	1.0	0.027	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS4	0.028	0.028	0.028	0.03	0.032	0.037	0.038	0.038	0.038	0.038	1.0	0.034	0.03	0.031
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS4	0.028	0.029	0.029	0.03	0.033	0.036	0.038	0.038	0.039	0.039	1.0	0.034	0.03	0.031
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS5	0.02	0.02	0.02	0.021	0.024	0.026	0.027	0.027	0.028	0.028	1.0	0.024	0.02	0.017
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS5	0.021	0.021	0.021	0.024	0.029	0.029	0.03	0.03	0.028	0.028	1.0	0.026	0.02	0.019
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS5	0.02	0.02	0.02	0.023	0.027	0.027	0.028	0.028	0.028	0.026	1.0	0.025	0.02	0.016

MPE calculations are defined in section 15.0.

**Table G.2**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.		MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )	
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3					Lower Trunk/ Bottom 1/3
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	PB	0.28	0.164	0.114	1.0	0.186	0.19	0.196
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PB	0.181	0.166	0.132	1.0	0.160	0.16	0.168
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PB	0.141	0.153	0.123	1.0	0.139	0.14	0.146
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PB	0.131	0.098	0.064	1.0	0.098	0.10	0.103
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PB	0.106	0.09	0.083	1.0	0.093	0.09	0.098
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	PB	0.153	0.137	0.107	1.0	0.132	0.13	0.137
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PB	0.202	0.254	0.206	1.0	0.221	0.225	0.230
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PB	0.147	0.185	0.165	1.0	0.166	0.17	0.172
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	PB	0.11	0.194	0.169	1.0	0.158	0.16	0.161
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	PB	0.158	0.197	0.185	1.0	0.180	0.18	0.185

Notes:

MPE calculations are defined in section 15.0  
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**Table G.2 (Continued)**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
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.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	PB	0.068	0.057	0.057	1.0	0.061	0.11	0.111
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PB	0.055	0.067	0.047	1.0	0.056	0.09	0.093
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PB	0.05	0.055	0.046	1.0	0.050	0.07	0.074
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PB	0.056	0.067	0.048	1.0	0.057	0.09	0.096
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PB	0.054	0.052	0.046	1.0	0.051	0.07	0.076
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	PB	0.065	0.088	0.06	1.0	0.071	0.14	0.142
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PB	0.068	0.081	0.086	1.0	0.078	0.17	0.175
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PB	0.059	0.067	0.068	1.0	0.065	0.12	0.119
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	PB	0.064	0.078	0.086	1.0	0.076	0.16	0.159
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	PB	0.05	0.064	0.062	1.0	0.059	0.09	0.093

Notes:

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

**Table G.2 (Continued)**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements Passenger/Operator (MC) Positions			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
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		Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02		PF	0.011	0.015				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PF	0.015	0.015	0.022	1.0	0.017	0.02	0.018
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PF	0.017	0.016	0.026	1.0	0.020	0.02	0.021
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PF	0.023	0.023	0.019	1.0	0.022	0.02	0.023
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PF	0.023	0.023	0.024	1.0	0.023	0.02	0.025
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	PF	0.031	0.031	0.034	1.0	0.032	0.03	0.033
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PF	0.027	0.03	0.038	1.0	0.032	0.03	0.033
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PF	0.018	0.022	0.027	1.0	0.022	0.02	0.023
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	PF	0.014	0.023	0.035	1.0	0.024	0.02	0.024
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	PF	0.012	0.022	0.045	1.0	0.026	0.03	0.027

Notes:

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

**Table G.2 (Continued)**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements Passenger/Operator (MC) Positions			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
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		Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88		PF	0.03	0.028				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PF	0.031	0.03	0.025	1.0	0.029	0.02	0.024
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PF	0.031	0.031	0.025	1.0	0.029	0.02	0.025
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PF	0.032	0.033	0.029	1.0	0.031	0.03	0.029
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PF	0.033	0.033	0.026	1.0	0.031	0.03	0.028
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	PF	0.039	0.037	0.031	1.0	0.036	0.04	0.036
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PF	0.038	0.036	0.031	1.0	0.035	0.03	0.035
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PF	0.032	0.033	0.029	1.0	0.031	0.03	0.028
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	PF	0.032	0.034	0.038	1.0	0.035	0.03	0.033
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	PF	0.023	0.03	0.031	1.0	0.028	0.02	0.021

Notes:

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