




**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> 08/04/2022 <b>Report Revision:</b> B
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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>	Saw Sun Hock (EME Engineer) Sin Keng LEE (EME Engineer) 2/17/2017-3/17/2017; 1/25/2021 - 2/4/2021 Futurecom Systems Group (DVR), Motorola Solutions. Inc (Mobile) 01/13/2017; 01/22/2021 <b>APX 6500 8/900MHz:</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 Refer to Table 6 of part 1 of 2 Refer to Table 6 of part 1 of 2 FM, TDMA, FHSS (Bluetooth / Bluetooth LE), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz) <b>APX 6500 8/900MHz:</b> M25VRS9PW1CN (PMUF1980A) <b>Companion Device:</b> MOBEXCOM DVRS VHF (DQPMDVR3000P) M25VRS9PW1CN (PMUF1980A), M22VRS9PW1CN (PMUF1980A), MOBEXCOM DVRS VHF (DQPMDVR3000P) 471TX81927 (APX 6500 8/900MHz) , 16082232 (DVR VHF) Occupational/Controlled Environment Motorola Solutions Inc. 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322 <b>APX 6500 8/900MHz:</b> AZ492FT7141 (806-824 MHz, 851-869 MHz, 896-901 MHz, 935-940 MHz, Bluetooth 2402-2480 MHz, WLAN 2412-2462 MHz; WLAN 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>APX 6500 8/900MHz:</b> 109U-92FT7141 <b>Companion Device:</b> 2098B-DVRSVHF This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified.  The MPE results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits. FCC rules require compliance for Passengers and Bystanders to the FCC General Population/Uncontrolled limits. The test results clearly demonstrate compliance with Health Canada Safety Code 6 (2015). Limits of Human Exposure to Radio frequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz.
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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>Saw Sun Hock (Approved Signatory)</b> Approval Date: 8/9/2022	
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**Appendix D – MPE Test Results Summary for APX 6500 8/900MHz**

**Table D.1**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS1	E	1	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	3.1	0.25	6.6
						42.0	815.0000	0.01	0.54	2.7	0.26	5.6
						42.0	824.0000	0.01	0.55	2.7	0.26	5.7
						42.0	851.0000	0.01	0.57	2.5	0.26	5.4
						42.0	860.0000	0.02	0.57	2.8	0.27	6.0
						42.0	869.0000	0.01	0.58	2.3	0.27	4.9
					36.0	36.0	896.0000	0.01	0.60	1.7	0.27	3.7
						36.0	898.5000	0.01	0.60	1.7	0.27	3.6
						36.0	900.0000	0.01	0.60	1.5	0.27	3.3
						36.0	935.0000	0.01	0.62	1.6	0.28	3.6
						36.0	937.5000	0.01	0.63	1.3	0.28	2.9
						36.0	939.0000	0.01	0.63	1.1	0.28	2.4
			4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.3		
				4.0	940.5000	0.00	0.63	0.1	0.28	0.3		
			2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	3.0	0.25	6.3
						42.0	815.0000	0.01	0.54	2.5	0.26	5.2
						42.0	824.0000	0.01	0.55	2.6	0.26	5.5
						42.0	851.0000	0.01	0.57	1.8	0.26	3.9
						42.0	860.0000	0.01	0.57	2.2	0.27	4.7
						42.0	869.0000	0.01	0.58	1.8	0.27	3.9
					36.0	36.0	896.0000	0.01	0.60	1.4	0.27	3.1
						36.0	898.5000	0.01	0.60	1.3	0.27	2.9
						36.0	900.0000	0.01	0.60	1.1	0.27	2.4
						36.0	935.0000	0.01	0.62	1.2	0.28	2.8
36.0	937.5000	0.01				0.63	1.0	0.28	2.2			
36.0	939.0000	0.01				0.63	0.9	0.28	2.0			
4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.2					
	4.0	940.5000	0.00	0.63	0.1	0.28	0.2					

**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

Note: 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	BS1	E	3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.03	0.54	<b>6.2</b>	0.25	<b>13.1</b>
						42.0	815.0000	0.03	0.54	4.7	0.26	10.1
						42.0	824.0000	0.03	0.55	5.0	0.26	10.6
						42.0	851.0000	0.02	0.57	4.0	0.26	8.7
						42.0	860.0000	0.02	0.57	3.9	0.27	8.4
						42.0	869.0000	0.02	0.58	3.6	0.27	7.9
					36.0	36.0	896.0000	0.02	0.60	2.9	0.27	6.3
						36.0	898.5000	0.02	0.60	2.6	0.27	5.8
						36.0	900.0000	0.02	0.60	2.5	0.27	5.6
						36.0	935.0000	0.02	0.62	3.1	0.28	6.8
						36.0	937.5000	0.02	0.63	2.6	0.28	5.9
						36.0	939.0000	0.01	0.63	2.3	0.28	5.1
					4.0	4.0	901.5000	0.00	0.60	0.2	0.27	0.5
						4.0	940.5000	0.00	0.63	0.3	0.28	0.6
Roof	BS2	E	1	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	2.2	0.25	4.6
						42.0	815.0000	0.01	0.54	2.4	0.26	5.1
						42.0	824.0000	0.01	0.55	2.3	0.26	4.8
						42.0	851.0000	0.01	0.57	2.5	0.26	5.4
						42.0	860.0000	0.01	0.57	2.2	0.27	4.7
						42.0	869.0000	0.01	0.58	2.2	0.27	4.7
					36.0	36.0	896.0000	0.01	0.60	1.4	0.27	3.1
						36.0	898.5000	0.01	0.60	1.4	0.27	3.1
						36.0	900.0000	0.01	0.60	1.2	0.27	2.7
						36.0	935.0000	0.01	0.62	1.2	0.28	2.7
						36.0	937.5000	0.01	0.63	1.3	0.28	2.8
						36.0	939.0000	0.01	0.63	1.1	0.28	2.4
					4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.2
						4.0	940.5000	0.00	0.63	0.1	0.28	0.3

**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS2	E	2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	2.4	0.25	5.2
						42.0	815.0000	0.01	0.54	2.3	0.26	5.0
						42.0	824.0000	0.01	0.55	2.1	0.26	4.6
						42.0	851.0000	0.01	0.57	2.2	0.26	4.7
						42.0	860.0000	0.01	0.57	1.9	0.27	4.1
						42.0	869.0000	0.01	0.58	1.8	0.27	3.9
					36.0	36.0	896.0000	0.01	0.60	1.2	0.27	2.5
						36.0	898.5000	0.01	0.60	1.2	0.27	2.7
						36.0	900.0000	0.01	0.60	1.1	0.27	2.4
						36.0	935.0000	0.01	0.62	0.9	0.28	2.1
						36.0	937.5000	0.01	0.63	1.0	0.28	2.1
						36.0	939.0000	0.01	0.63	0.8	0.28	1.9
					4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.2
						4.0	940.5000	0.00	0.63	0.1	0.28	0.2
			3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.03	0.54	5.2	0.25	10.9
						42.0	815.0000	0.02	0.54	4.3	0.26	9.1
						42.0	824.0000	0.02	0.55	4.2	0.26	8.9
						42.0	851.0000	0.03	0.57	4.6	0.26	9.9
						42.0	860.0000	0.02	0.57	3.7	0.27	8.1
						42.0	869.0000	0.03	0.58	4.4	0.27	9.5
					36.0	36.0	896.0000	0.02	0.60	2.9	0.27	6.2
						36.0	898.5000	0.02	0.60	3.1	0.27	6.8
						36.0	900.0000	0.02	0.60	2.7	0.27	6.0
						36.0	935.0000	0.02	0.62	2.8	0.28	6.1
36.0	937.5000	0.02				0.63	2.9	0.28	6.5			
36.0	939.0000	0.02				0.63	2.7	0.28	5.9			
4.0	4.0	901.5000			0.00	0.60	0.2	0.27	0.5			
	4.0	940.5000			0.00	0.63	0.3	0.28	0.7			

**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS3	E	1	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	1.9	0.25	4.0
						42.0	815.0000	0.01	0.54	1.5	0.26	3.3
						42.0	824.0000	0.01	0.55	2.0	0.26	4.4
						42.0	851.0000	0.01	0.57	1.1	0.26	2.4
						42.0	860.0000	0.01	0.57	1.5	0.27	3.2
						42.0	869.0000	0.01	0.58	1.1	0.27	2.4
					36.0	36.0	896.0000	0.01	0.60	1.0	0.27	2.3
						36.0	898.5000	0.01	0.60	1.1	0.27	2.4
						36.0	900.0000	0.01	0.60	1.2	0.27	2.7
						36.0	935.0000	0.01	0.62	1.0	0.28	2.1
			36.0	937.5000		0.01	0.63	0.8	0.28	1.8		
			36.0	939.0000		0.01	0.63	0.8	0.28	1.9		
			4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.2		
				4.0	940.5000	0.00	0.63	0.1	0.28	0.2		
			2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	1.8	0.25	3.9
						42.0	815.0000	0.01	0.54	1.3	0.26	2.7
						42.0	824.0000	0.01	0.55	1.9	0.26	4.0
						42.0	851.0000	0.01	0.57	1.0	0.26	2.2
						42.0	860.0000	0.01	0.57	1.2	0.27	2.5
						42.0	869.0000	0.01	0.58	1.0	0.27	2.2
36.0	36.0	896.0000			0.01	0.60	0.9	0.27	2.1			
	36.0	898.5000			0.01	0.60	0.9	0.27	1.9			
	36.0	900.0000			0.01	0.60	0.9	0.27	2.0			
	36.0	935.0000			0.00	0.62	0.8	0.28	1.7			
	36.0	937.5000			0.00	0.63	0.7	0.28	1.5			
	36.0	939.0000			0.00	0.63	0.7	0.28	1.6			
4.0	4.0	901.5000			0.00	0.60	0.1	0.27	0.2			
	4.0	940.5000			0.00	0.63	0.1	0.28	0.2			

**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS3	E	3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	4.3	0.25	9.1
						42.0	815.0000	0.02	0.54	3.0	0.26	6.4
						42.0	824.0000	0.02	0.55	3.8	0.26	8.0
						42.0	851.0000	0.01	0.57	2.1	0.26	4.5
						42.0	860.0000	0.01	0.57	2.5	0.27	5.4
						42.0	869.0000	0.01	0.58	2.4	0.27	5.2
					36.0	36.0	896.0000	0.01	0.60	2.4	0.27	5.2
						36.0	898.5000	0.01	0.60	2.3	0.27	5.0
						36.0	900.0000	0.01	0.60	2.2	0.27	4.8
						36.0	935.0000	0.02	0.62	2.4	0.28	5.4
						36.0	937.5000	0.01	0.63	2.2	0.28	4.9
						36.0	939.0000	0.01	0.63	2.2	0.28	4.9
					4.0	4.0	901.5000	0.00	0.60	0.2	0.27	0.5
						4.0	940.5000	0.00	0.63	0.3	0.28	0.6
Roof	BS4	E	1	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	1.7	0.25	3.7
						42.0	815.0000	0.01	0.54	1.1	0.26	2.2
						42.0	824.0000	0.01	0.55	1.1	0.26	2.4
						42.0	851.0000	0.01	0.57	1.1	0.26	2.3
						42.0	860.0000	0.01	0.57	1.0	0.27	2.2
						42.0	869.0000	0.00	0.58	0.7	0.27	1.6
					36.0	36.0	896.0000	0.00	0.60	0.7	0.27	1.5
						36.0	898.5000	0.00	0.60	0.4	0.27	0.9
						36.0	900.0000	0.00	0.60	0.4	0.27	0.9
						36.0	935.0000	0.00	0.62	0.7	0.28	1.5
						36.0	937.5000	0.00	0.63	0.5	0.28	1.1
						36.0	939.0000	0.00	0.63	0.4	0.28	1.0
					4.0	4.0	901.5000	0.00	0.60	0.0	0.27	0.1
						4.0	940.5000	0.00	0.63	0.0	0.28	0.1

**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS4	E	2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	1.7	0.25	3.6			
						42.0	815.0000	0.01	0.54	1.1	0.26	2.3			
						42.0	824.0000	0.01	0.55	1.0	0.26	2.2			
						42.0	851.0000	0.01	0.57	0.9	0.26	1.9			
						42.0	860.0000	0.00	0.57	0.9	0.27	1.8			
						42.0	869.0000	0.00	0.58	0.6	0.27	1.4			
					36.0	36.0	896.0000	0.00	0.60	0.6	0.27	1.3			
						36.0	898.5000	0.00	0.60	0.4	0.27	0.8			
						36.0	900.0000	0.00	0.60	0.3	0.27	0.7			
						36.0	935.0000	0.00	0.62	0.6	0.28	1.4			
						36.0	937.5000	0.00	0.63	0.4	0.28	0.9			
						36.0	939.0000	0.00	0.63	0.4	0.28	0.8			
					4.0	4.0	901.5000	0.00	0.60	0.0	0.27	0.1			
						4.0	940.5000	0.00	0.63	0.0	0.28	0.1			
			3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	3.6	0.25	7.7			
						42.0	815.0000	0.01	0.54	2.2	0.26	4.7			
						42.0	824.0000	0.01	0.55	2.2	0.26	4.6			
						42.0	851.0000	0.01	0.57	2.4	0.26	5.2			
						42.0	860.0000	0.01	0.57	2.0	0.27	4.4			
42.0	869.0000	0.01				0.58	1.4	0.27	3.1						
36.0	36.0	896.0000			0.01	0.60	1.5	0.27	3.4						
	36.0	898.5000			0.01	0.60	1.0	0.27	2.3						
	36.0	900.0000			0.01	0.60	1.0	0.27	2.2						
	36.0	935.0000			0.01	0.62	1.7	0.28	3.7						
	36.0	937.5000			0.01	0.63	1.4	0.28	3.2						
	36.0	939.0000			0.01	0.63	1.5	0.28	3.3						
4.0	4.0	901.5000			0.00	0.60	0.1	0.27	0.2						
	4.0	940.5000			0.00	0.63	0.1	0.28	0.3						



**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS5	E	1	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	1.5	0.25	3.1
						42.0	815.0000	0.01	0.54	1.5	0.26	3.1
						42.0	824.0000	0.01	0.55	1.3	0.26	2.8
						42.0	851.0000	0.01	0.57	1.0	0.26	2.1
						42.0	860.0000	0.01	0.57	1.1	0.27	2.3
						42.0	869.0000	0.01	0.58	1.0	0.27	2.1
					36.0	36.0	896.0000	0.00	0.60	0.7	0.27	1.6
						36.0	898.5000	0.00	0.60	0.6	0.27	1.4
						36.0	900.0000	0.00	0.60	0.7	0.27	1.5
						36.0	935.0000	0.00	0.62	0.7	0.28	1.5
						36.0	937.5000	0.00	0.63	0.6	0.28	1.3
						36.0	939.0000	0.00	0.63	0.6	0.28	1.3
					4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.2
						4.0	940.5000	0.00	0.63	0.0	0.28	0.1
			2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	1.3	0.25	2.8
						42.0	815.0000	0.01	0.54	1.4	0.26	3.1
						42.0	824.0000	0.01	0.55	1.1	0.26	2.3
						42.0	851.0000	0.01	0.57	0.9	0.26	1.9
						42.0	860.0000	0.01	0.57	1.0	0.27	2.3
						42.0	869.0000	0.00	0.58	0.8	0.27	1.8
36.0	36.0	896.0000			0.00	0.60	0.6	0.27	1.3			
	36.0	898.5000			0.00	0.60	0.5	0.27	1.1			
	36.0	900.0000			0.00	0.60	0.6	0.27	1.3			
	36.0	935.0000			0.00	0.62	0.5	0.28	1.2			
	36.0	937.5000			0.00	0.63	0.5	0.28	1.1			
	36.0	939.0000			0.00	0.63	0.4	0.28	1.0			
4.0	4.0	901.5000			0.00	0.60	0.1	0.27	0.1			
	4.0	940.5000			0.00	0.63	0.0	0.28	0.1			

**Table D.1 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Bystander

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	BS5	E	3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	3.5	0.25	7.4
						42.0	815.0000	0.02	0.54	3.0	0.26	6.4
						42.0	824.0000	0.02	0.55	2.8	0.26	6.0
						42.0	851.0000	0.01	0.57	2.5	0.26	5.5
						42.0	860.0000	0.01	0.57	1.9	0.27	4.1
						42.0	869.0000	0.02	0.58	2.6	0.27	5.7
					36.0	36.0	896.0000	0.01	0.60	1.5	0.27	3.2
						36.0	898.5000	0.01	0.60	1.4	0.27	3.0
						36.0	900.0000	0.01	0.60	1.4	0.27	3.1
						36.0	935.0000	0.01	0.62	1.7	0.28	3.7
						36.0	937.5000	0.01	0.63	1.8	0.28	4.0
					4.0	4.0	939.0000	0.01	0.63	2.0	0.28	4.5
						4.0	901.5000	0.00	0.60	0.1	0.27	0.3
					4.0	940.5000	0.00	0.63	0.2	0.28	0.4	

**Table D.2**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Passenger Back

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	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	2.8	0.25	5.9
						42.0	815.0000	0.01	0.54	1.9	0.26	4.1
						42.0	824.0000	0.00	0.55	0.8	0.26	1.8
						42.0	851.0000	0.01	0.57	1.1	0.26	2.4
						42.0	860.0000	0.01	0.57	1.6	0.27	3.4
						42.0	869.0000	0.01	0.58	1.2	0.27	2.6
					36.0	36.0	896.0000	0.01	0.60	1.3	0.27	2.8
						36.0	898.5000	0.01	0.60	1.1	0.27	2.3
						36.0	900.0000	0.01	0.60	1.1	0.27	2.5
						36.0	935.0000	0.00	0.62	0.7	0.28	1.5
						36.0	937.5000	0.00	0.63	0.6	0.28	1.3
						36.0	939.0000	0.00	0.63	0.5	0.28	1.2
					4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.3
						4.0	940.5000	0.00	0.63	0.1	0.28	0.2
			2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	2.8	0.25	5.9
						42.0	815.0000	0.02	0.54	2.8	0.26	6.0
						42.0	824.0000	0.01	0.55	1.8	0.26	3.7
						42.0	851.0000	0.01	0.57	1.3	0.26	2.8
						42.0	860.0000	0.01	0.57	1.7	0.27	3.7
						42.0	869.0000	0.01	0.58	1.5	0.27	3.3
36.0	36.0	896.0000			0.01	0.60	1.3	0.27	2.9			
	36.0	898.5000			0.01	0.60	1.2	0.27	2.7			
	36.0	900.0000			0.01	0.60	1.3	0.27	2.9			
	36.0	935.0000			0.01	0.62	0.9	0.28	2.1			
	36.0	937.5000			0.00	0.63	0.6	0.28	1.3			
	36.0	939.0000			0.00	0.63	0.5	0.28	1.0			
4.0	4.0	901.5000			0.00	0.60	0.1	0.27	0.2			
	4.0	940.5000			0.00	0.63	0.1	0.28	0.2			

**Table D.2 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Passenger Back

Note: 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	3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.03	0.54	<b>6.4</b>	0.25	<b>13.6</b>
						42.0	815.0000	0.03	0.54	4.6	0.26	9.9
						42.0	824.0000	0.02	0.55	3.1	0.26	6.6
						42.0	851.0000	0.02	0.57	3.2	0.26	6.8
						42.0	860.0000	0.02	0.57	3.6	0.27	7.7
						42.0	869.0000	0.03	0.58	4.7	0.27	10.1
					36.0	36.0	896.0000	0.02	0.60	2.8	0.27	6.2
						36.0	898.5000	0.02	0.60	2.9	0.27	6.3
						36.0	900.0000	0.02	0.60	3.0	0.27	6.6
						36.0	935.0000	0.02	0.62	2.8	0.28	6.2
						36.0	937.5000	0.01	0.63	1.8	0.28	4.0
						36.0	939.0000	0.01	0.63	1.4	0.28	3.1
					4.0	4.0	901.5000	0.00	0.60	0.2	0.27	0.5
						4.0	940.5000	0.00	0.63	0.2	0.28	0.4

**Table D.2 (Continued)**

MPE assessment for APX 6500 8/900MHz - roof mounted antenna – Passenger Front

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	HAF4013A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	2.0	0.25	4.3			
						42.0	815.0000	0.01	0.54	1.2	0.26	2.5			
						42.0	824.0000	0.01	0.55	1.1	0.26	2.4			
						42.0	851.0000	0.00	0.57	0.8	0.26	1.7			
						42.0	860.0000	0.00	0.57	0.7	0.27	1.4			
						42.0	869.0000	0.00	0.58	0.7	0.27	1.5			
					36.0	36.0	896.0000	0.01	0.60	1.2	0.27	2.6			
						36.0	898.5000	0.00	0.60	0.7	0.27	1.5			
						36.0	900.0000	0.01	0.60	0.9	0.27	2.0			
						36.0	935.0000	0.00	0.62	0.6	0.28	1.4			
						36.0	937.5000	0.00	0.63	0.4	0.28	0.9			
						36.0	939.0000	0.00	0.63	0.4	0.28	0.9			
					4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.1			
						4.0	940.5000	0.00	0.63	0.0	0.28	0.1			
			2	HAF4036A, 806-941MHz	42.0	42.0	806.0000	0.01	0.54	2.5	0.25	5.4			
						42.0	815.0000	0.01	0.54	1.4	0.26	3.0			
						42.0	824.0000	0.01	0.55	1.1	0.26	2.3			
						42.0	851.0000	0.00	0.57	0.5	0.26	1.2			
						42.0	860.0000	0.00	0.57	0.8	0.27	1.8			
42.0	869.0000	0.00				0.58	0.5	0.27	1.1						
36.0	36.0	896.0000			0.01	0.60	1.1	0.27	2.4						
	36.0	898.5000			0.00	0.60	0.6	0.27	1.2						
	36.0	900.0000			0.00	0.60	0.7	0.27	1.5						
	36.0	935.0000			0.00	0.62	0.4	0.28	0.8						
	36.0	937.5000			0.00	0.63	0.6	0.28	1.3						
	36.0	939.0000			0.00	0.63	0.3	0.28	0.6						
4.0	4.0	901.5000			0.00	0.60	0.0	0.27	0.1						
	4.0	940.5000			0.00	0.63	0.0	0.28	0.1						

**Table D.2 (Continued)**

MPE assessment for APX 6500 8/900 - roof mounted antenna – Passenger Front

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	3	HAF4037A, 806-941MHz	42.0	42.0	806.0000	0.02	0.54	<b>4.6</b>	0.25	<b>9.8</b>
						42.0	815.0000	0.02	0.54	3.9	0.26	8.4
						42.0	824.0000	0.01	0.55	2.4	0.26	5.1
						42.0	851.0000	0.01	0.57	2.0	0.26	4.2
						42.0	860.0000	0.02	0.57	3.0	0.27	6.5
						42.0	869.0000	0.01	0.58	2.2	0.27	4.8
					36.0	36.0	896.0000	0.02	0.60	2.5	0.27	5.6
						36.0	898.5000	0.01	0.60	2.1	0.27	4.6
						36.0	900.0000	0.01	0.60	1.9	0.27	4.2
						36.0	935.0000	0.01	0.62	1.8	0.28	3.9
						36.0	937.5000	0.01	0.63	1.3	0.28	2.9
						36.0	939.0000	0.01	0.63	1.7	0.28	3.7
					4.0	4.0	901.5000	0.00	0.60	0.1	0.27	0.3
						4.0	940.5000	0.00	0.63	0.1	0.28	0.3

**Table D.3**  
**APX 6500 8/900MHz MPE Results for FCC**

Pmax (W) 42/36/4				P initial (W)																
FCC Limit (mW/cm²)				42	42	42	42	42	42	36	36	36	36	4	36	36	36	36	4	
Test Pos	Angle	Trunk/ Roof	L/H Field	Antenna no.	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16
					806.0000	815.0000	824.0000	831.0000	860.0000	869.0000	896.0000	896.0125	898.5000	900.0000	901.5000	935.0000	935.0125	937.5000	939.0000	940.5000
B51	0	Roof	E	1	0.020	0.010	0.010	0.010	0.020	0.010		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
B51	0	Roof	E	2	0.020	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
B51	0	Roof	E	3	0.033	0.030	0.030	0.020	0.020	0.020		0.020	0.020	0.020	0.000		0.020	0.020	0.010	0.000
B52	0	Roof	E	1	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
B52	0	Roof	E	2	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
B52	0	Roof	E	3	0.028	0.020	0.020	0.030	0.020	0.030		0.020	0.020	0.020	0.000		0.020	0.020	0.020	0.000
B53	0	Roof	E	1	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
B53	0	Roof	E	2	0.010	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.000		0.000	0.000	0.000	0.000
B53	0	Roof	E	3	0.023	0.020	0.020	0.020	0.010	0.010		0.010	0.010	0.010	0.000		0.020	0.010	0.010	0.000
B54	0	Roof	E	1	0.010	0.010	0.010	0.010	0.010	0.000		0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000
B54	0	Roof	E	2	0.010	0.010	0.010	0.010	0.010	0.000		0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000
B54	0	Roof	E	3	0.020	0.010	0.010	0.010	0.010	0.010		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
B55	0	Roof	E	1	0.010	0.010	0.010	0.010	0.010	0.010		0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000
B55	0	Roof	E	2	0.010	0.010	0.010	0.010	0.010	0.000		0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000
B55	0	Roof	E	3	0.019	0.020	0.020	0.010	0.010	0.020		0.010	0.010	0.010	0.000		0.010	0.010	0.010	0.000
PB	0	Roof	E	1	0.015	0.011	0.005	0.006	0.009	0.007	0.008		0.006	0.007	0.001	0.004		0.004	0.003	0.001
PB	0	Roof	E	2	0.015	0.015	0.010	0.007	0.010	0.009	0.008		0.007	0.008	0.001	0.006		0.004	0.003	0.001
PB	0	Roof	E	3	0.035	0.025	0.017	0.018	0.021	0.027	0.017		0.017	0.018	0.001	0.017		0.011	0.009	0.001
PF	0	Roof	E	1	0.011	0.006	0.006	0.004	0.004	0.004	0.007		0.004	0.006	0.000	0.004		0.002	0.003	0.000
PF	0	Roof	E	2	0.014	0.008	0.006	0.003	0.005	0.003	0.007		0.003	0.004	0.000	0.002		0.004	0.002	0.000
PF	0	Roof	E	3	0.025	0.021	0.013	0.011	0.017	0.013	0.015		0.013	0.012	0.001	0.011		0.008	0.010	0.001

**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

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.

P <sub>max</sub> (W)	6	P <sub>initial</sub> (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.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 APX 6500 8/900MHz**

Table F.1

APX 6500 8/900MHz - 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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	(3) Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	(4) Probe Cal. Factor	(5) Test Pos.	(6) Meas. Unit	Bystander (BS) Positions													
												20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAF4013A, 806-941MHz	5.15	90	806.0000	42.0	42.0	CW	E	1.200	BS1	2	0.006	0.005	0.009	0.013	0.012	0.020	0.036	0.049	0.058	0.071	0.5	0.033	0.017	0.017
Roof	HAF4013A, 806-941MHz	5.15	90	815.0000	42.0	42.0	CW	E	1.190	BS1	2	0.002	0.006	0.005	0.002	0.004	0.014	0.028	0.045	0.057	0.079	0.5	0.029	0.014	0.014
Roof	HAF4013A, 806-941MHz	5.15	90	824.0000	42.0	42.0	CW	E	1.180	BS1	2	0.004	0.004	0.005	0.006	0.009	0.019	0.025	0.035	0.067	0.075	0.5	0.029	0.015	0.015
Roof	HAF4013A, 806-941MHz	5.15	90	851.0000	42.0	42.0	CW	E	1.150	BS1	2	0.004	0.005	0.004	0.008	0.009	0.014	0.022	0.039	0.062	0.079	0.5	0.028	0.014	0.014
Roof	HAF4013A, 806-941MHz	5.15	90	860.0000	42.0	42.0	CW	E	1.140	BS1	2	0.001	0.003	0.005	0.003	0.007	0.019	0.030	0.042	0.070	0.098	0.5	0.032	0.016	0.016
Roof	HAF4013A, 806-941MHz	5.15	90	869.0000	42.0	42.0	CW	E	1.140	BS1	2	0.004	0.003	0.004	0.005	0.006	0.015	0.022	0.041	0.067	0.064	0.5	0.026	0.013	0.013
Roof	HAF4013A, 806-941MHz	5.15	90	896.0125	36.0	36.0	CW	E	1.110	BS1	2	0.003	0.002	0.003	0.007	0.010	0.012	0.021	0.031	0.048	0.047	0.5	0.020	0.010	0.010
Roof	HAF4013A, 806-941MHz	5.15	90	898.5000	36.0	36.0	CW	E	1.100	BS1	2	0.004	0.004	0.003	0.006	0.009	0.011	0.015	0.027	0.043	0.058	0.5	0.020	0.010	0.010
Roof	HAF4013A, 806-941MHz	5.15	90	900.0000	36.0	36.0	CW	E	1.100	BS1	2	0.003	0.002	0.004	0.005	0.006	0.009	0.013	0.027	0.047	0.050	0.5	0.018	0.009	0.009
Roof	HAF4013A, 806-941MHz	5.15	90	935.0125	36.0	36.0	CW	E	1.070	BS1	2	0.001	0.000	0.001	0.005	0.013	0.020	0.023	0.027	0.041	0.057	0.5	0.020	0.010	0.010
Roof	HAF4013A, 806-941MHz	5.15	90	937.5000	36.0	36.0	CW	E	1.060	BS1	2	0.001	0.001	0.003	0.004	0.010	0.015	0.020	0.024	0.035	0.042	0.5	0.016	0.008	0.008
Roof	HAF4013A, 806-941MHz	5.15	90	939.0000	36.0	36.0	CW	E	1.060	BS1	2	0.000	0.003	0.005	0.003	0.006	0.009	0.015	0.019	0.032	0.037	0.5	0.014	0.007	0.007
Roof	HAF4013A, 806-941MHz	5.15	90	901.5000	4.0	4.0	CW	E	1.060	BS1	2	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.005	0.006	0.5	0.002	0.001	0.001
Roof	HAF4013A, 806-941MHz	5.15	90	940.5000	4.0	4.0	CW	E	1.100	BS1	2	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.004	0.004	0.5	0.002	0.001	0.001
Roof	HAF4013A, 806-941MHz	5.15	90	806.0000	42.0	42.0	CW	E	1.200	BS2	2	0.002	0.002	0.003	0.006	0.013	0.014	0.021	0.040	0.044	0.051	0.5	0.024	0.012	0.012
Roof	HAF4013A, 806-941MHz	5.15	90	815.0000	42.0	42.0	CW	E	1.190	BS2	2	0.003	0.004	0.007	0.008	0.009	0.018	0.028	0.041	0.053	0.049	0.5	0.026	0.013	0.013
Roof	HAF4013A, 806-941MHz	5.15	90	824.0000	42.0	42.0	CW	E	1.180	BS2	2	0.002	0.003	0.004	0.009	0.012	0.018	0.019	0.037	0.044	0.063	0.5	0.025	0.012	0.012
Roof	HAF4013A, 806-941MHz	5.15	90	851.0000	42.0	42.0	CW	E	1.150	BS2	2	0.001	0.003	0.004	0.007	0.014	0.022	0.028	0.044	0.053	0.073	0.5	0.029	0.014	0.014
Roof	HAF4013A, 806-941MHz	5.15	90	860.0000	42.0	42.0	CW	E	1.140	BS2	2	0.002	0.004	0.005	0.004	0.006	0.013	0.024	0.049	0.056	0.055	0.5	0.025	0.012	0.012
Roof	HAF4013A, 806-941MHz	5.15	90	869.0000	42.0	42.0	CW	E	1.140	BS2	2	0.003	0.003	0.006	0.006	0.006	0.013	0.037	0.051	0.050	0.047	0.5	0.025	0.013	0.013
Roof	HAF4013A, 806-941MHz	5.15	90	896.0125	36.0	36.0	CW	E	1.110	BS2	2	0.001	0.002	0.002	0.004	0.008	0.013	0.019	0.026	0.030	0.047	0.5	0.017	0.008	0.008
Roof	HAF4013A, 806-941MHz	5.15	90	898.5000	36.0	36.0	CW	E	1.100	BS2	2	0.001	0.002	0.003	0.005	0.010	0.015	0.018	0.027	0.036	0.039	0.5	0.017	0.009	0.009
Roof	HAF4013A, 806-941MHz	5.15	90	900.0000	36.0	36.0	CW	E	1.100	BS2	2	0.001	0.002	0.005	0.006	0.006	0.010	0.014	0.018	0.032	0.040	0.5	0.015	0.007	0.007
Roof	HAF4013A, 806-941MHz	5.15	90	935.0125	36.0	36.0	CW	E	1.070	BS2	2	0.002	0.003	0.004	0.004	0.007	0.015	0.021	0.018	0.030	0.037	0.5	0.015	0.008	0.008
Roof	HAF4013A, 806-941MHz	5.15	90	937.5000	36.0	36.0	CW	E	1.060	BS2	2	0.002	0.003	0.006	0.005	0.008	0.019	0.022	0.022	0.025	0.037	0.5	0.016	0.008	0.008
Roof	HAF4013A, 806-941MHz	5.15	90	939.0000	36.0	36.0	CW	E	1.060	BS2	2	0.001	0.003	0.004	0.003	0.008	0.012	0.014	0.020	0.025	0.035	0.5	0.013	0.007	0.007
Roof	HAF4013A, 806-941MHz	5.15	90	901.5000	4.0	4.0	CW	E	1.060	BS2	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.004	0.5	0.001	0.001	0.001
Roof	HAF4013A, 806-941MHz	5.15	90	940.5000	4.0	4.0	CW	E	1.100	BS2	2	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.003	0.004	0.5	0.001	0.001	0.001

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX 6500 8/900MHz - MPE measurement data for Bystander

<sup>(2)</sup> Ant Loc.	D.U.T. Info.								Probe Info.		<sup>(5)</sup> Test Pos.	<sup>(6)</sup> Meas. Unit	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. Model/ Desc.	Ant. Gain (dBi)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> 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	HAF4013A, 806-941MHz	5.15	90	806.0000	42.0	42.0	CW	E	1.200	BS3	2	0.007	0.006	0.004	0.006	0.009	0.013	0.020	0.024	0.035	0.047	0.5	0.021	0.010	0.010	
Roof	HAF4013A, 806-941MHz	5.15	90	815.0000	42.0	42.0	CW	E	1.190	BS3	2	0.004	0.007	0.008	0.004	0.005	0.010	0.023	0.021	0.029	0.030	0.5	0.017	0.008	0.008	
Roof	HAF4013A, 806-941MHz	5.15	90	824.0000	42.0	42.0	CW	E	1.180	BS3	2	0.005	0.005	0.005	0.009	0.012	0.017	0.025	0.031	0.033	0.048	0.5	0.022	0.011	0.011	
Roof	HAF4013A, 806-941MHz	5.15	90	851.0000	42.0	42.0	CW	E	1.150	BS3	2	0.004	0.003	0.004	0.006	0.005	0.008	0.013	0.017	0.020	0.032	0.5	0.013	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	860.0000	42.0	42.0	CW	E	1.140	BS3	2	0.006	0.006	0.004	0.003	0.005	0.013	0.019	0.022	0.036	0.034	0.5	0.017	0.008	0.008	
Roof	HAF4013A, 806-941MHz	5.15	90	869.0000	42.0	42.0	CW	E	1.140	BS3	2	0.006	0.003	0.004	0.007	0.006	0.007	0.012	0.013	0.020	0.035	0.5	0.013	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	896.0125	36.0	36.0	CW	E	1.110	BS3	2	0.003	0.004	0.004	0.005	0.005	0.007	0.015	0.018	0.025	0.027	0.5	0.013	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	898.5000	36.0	36.0	CW	E	1.100	BS3	2	0.004	0.002	0.004	0.007	0.006	0.010	0.015	0.019	0.020	0.030	0.5	0.013	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	900.0000	36.0	36.0	CW	E	1.100	BS3	2	0.004	0.003	0.004	0.005	0.006	0.011	0.018	0.022	0.032	0.030	0.5	0.015	0.007	0.007	
Roof	HAF4013A, 806-941MHz	5.15	90	935.0125	36.0	36.0	CW	E	1.070	BS3	2	0.002	0.002	0.004	0.005	0.006	0.010	0.013	0.019	0.022	0.028	0.5	0.012	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	937.5000	36.0	36.0	CW	E	1.060	BS3	2	0.002	0.002	0.003	0.004	0.004	0.012	0.015	0.015	0.016	0.024	0.5	0.010	0.005	0.005	
Roof	HAF4013A, 806-941MHz	5.15	90	939.0000	36.0	36.0	CW	E	1.060	BS3	2	0.003	0.002	0.003	0.003	0.005	0.011	0.015	0.016	0.019	0.023	0.5	0.011	0.005	0.005	
Roof	HAF4013A, 806-941MHz	5.15	90	901.5000	4.0	4.0	CW	E	1.060	BS3	2	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.002	0.003	0.5	0.001	0.001	0.001	
Roof	HAF4013A, 806-941MHz	5.15	90	940.5000	4.0	4.0	CW	E	1.100	BS3	2	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.002	0.003	0.5	0.001	0.001	0.001	
Roof	HAF4013A, 806-941MHz	5.15	90	806.0000	42.0	42.0	CW	E	1.200	BS4	2	0.003	0.003	0.003	0.010	0.012	0.011	0.014	0.028	0.035	0.037	0.5	0.019	0.009	0.009	
Roof	HAF4013A, 806-941MHz	5.15	90	815.0000	42.0	42.0	CW	E	1.190	BS4	2	0.004	0.003	0.002	0.003	0.006	0.006	0.010	0.020	0.024	0.018	0.5	0.011	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	824.0000	42.0	42.0	CW	E	1.180	BS4	2	0.001	0.003	0.004	0.006	0.006	0.007	0.010	0.015	0.026	0.025	0.5	0.012	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	851.0000	42.0	42.0	CW	E	1.150	BS4	2	0.002	0.003	0.002	0.006	0.010	0.009	0.009	0.013	0.021	0.029	0.5	0.012	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	860.0000	42.0	42.0	CW	E	1.140	BS4	2	0.003	0.003	0.002	0.004	0.004	0.006	0.012	0.027	0.023	0.019	0.5	0.012	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	869.0000	42.0	42.0	CW	E	1.140	BS4	2	0.002	0.004	0.004	0.004	0.003	0.005	0.011	0.019	0.013	0.009	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	896.0125	36.0	36.0	CW	E	1.110	BS4	2	0.002	0.004	0.005	0.001	0.007	0.006	0.004	0.010	0.016	0.017	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	898.5000	36.0	36.0	CW	E	1.100	BS4	2	0.003	0.003	0.002	0.003	0.003	0.004	0.003	0.006	0.009	0.009	0.5	0.005	0.002	0.002	
Roof	HAF4013A, 806-941MHz	5.15	90	900.0000	36.0	36.0	CW	E	1.100	BS4	2	0.002	0.003	0.002	0.002	0.002	0.003	0.004	0.009	0.010	0.009	0.5	0.005	0.003	0.003	
Roof	HAF4013A, 806-941MHz	5.15	90	935.0125	36.0	36.0	CW	E	1.070	BS4	2	0.002	0.003	0.003	0.005	0.006	0.006	0.008	0.015	0.017	0.016	0.5	0.009	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	937.5000	36.0	36.0	CW	E	1.060	BS4	2	0.001	0.002	0.002	0.005	0.004	0.003	0.005	0.013	0.014	0.011	0.5	0.006	0.003	0.003	
Roof	HAF4013A, 806-941MHz	5.15	90	939.0000	36.0	36.0	CW	E	1.060	BS4	2	0.001	0.001	0.002	0.005	0.003	0.002	0.005	0.012	0.011	0.009	0.5	0.005	0.003	0.003	
Roof	HAF4013A, 806-941MHz	5.15	90	901.5000	4.0	4.0	CW	E	1.060	BS4	2	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.001	0.1	0.5	0.000	0.000	0.000	
Roof	HAF4013A, 806-941MHz	5.15	90	940.5000	4.0	4.0	CW	E	1.100	BS4	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.5	0.000	0.000	0.000	

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**  
**APX 6500 8/900MHz - MPE measurement data for Bystander**

(2) Ant Loc.	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. Model/ Desc.	Ant. Gain (dBi)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	(3) Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	(4) Probe Cal. Factor	(5) Test Pos.	(6) Meas. Unit	Bystander (BS) Positions														
												20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Roof	HAF4013A, 806-941MHz	5.15	90	806.0000	42.0	42.0	CW	E	1.200	BS5	2	0.001	0.002	0.002	0.006	0.012	0.014	0.009	0.012	0.031	0.042	0.5	0.016	0.008	0.008	
Roof	HAF4013A, 806-941MHz	5.15	90	815.0000	42.0	42.0	CW	E	1.190	BS5	2	0.002	0.002	0.004	0.012	0.015	0.014	0.009	0.009	0.028	0.040	0.5	0.016	0.008	0.008	
Roof	HAF4013A, 806-941MHz	5.15	90	824.0000	42.0	42.0	CW	E	1.180	BS5	2	0.002	0.003	0.003	0.009	0.004	0.012	0.008	0.012	0.031	0.038	0.5	0.014	0.007	0.007	
Roof	HAF4013A, 806-941MHz	5.15	90	851.0000	42.0	42.0	CW	E	1.150	BS5	2	0.001	0.003	0.004	0.007	0.006	0.005	0.004	0.009	0.032	0.026	0.5	0.011	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	860.0000	42.0	42.0	CW	E	1.140	BS5	2	0.000	0.002	0.005	0.006	0.007	0.011	0.013	0.014	0.025	0.025	0.5	0.012	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	869.0000	42.0	42.0	CW	E	1.140	BS5	2	0.000	0.001	0.003	0.008	0.009	0.008	0.008	0.011	0.023	0.027	0.5	0.011	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	90	896.0125	36.0	36.0	CW	E	1.110	BS5	2	0.001	0.002	0.003	0.004	0.004	0.005	0.005	0.008	0.019	0.026	0.5	0.009	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	898.5000	36.0	36.0	CW	E	1.100	BS5	2	0.000	0.001	0.003	0.005	0.007	0.006	0.004	0.007	0.015	0.021	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	900.0000	36.0	36.0	CW	E	1.100	BS5	2	0.001	0.001	0.001	0.004	0.006	0.005	0.005	0.012	0.017	0.021	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	935.0125	36.0	36.0	CW	E	1.070	BS5	2	0.000	0.001	0.002	0.002	0.003	0.006	0.007	0.010	0.023	0.024	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	937.5000	36.0	36.0	CW	E	1.060	BS5	2	0.000	0.001	0.003	0.004	0.004	0.005	0.006	0.008	0.019	0.021	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	939.0000	36.0	36.0	CW	E	1.060	BS5	2	0.000	0.002	0.005	0.006	0.004	0.006	0.006	0.009	0.014	0.019	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	90	901.5000	4.0	4.0	CW	E	1.060	BS5	2	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.001	0.002	0.002	0.5	0.001	0.000	0.000	
Roof	HAF4013A, 806-941MHz	5.15	90	940.5000	4.0	4.0	CW	E	1.100	BS5	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.5	0.001	0.000	0.000	
Roof	HAF4036A, 806-941MHz	2.14	90	806.0000	42.0	42.0	CW	E	1.200	BS1	2	0.006	0.005	0.007	0.011	0.013	0.024	0.035	0.046	0.053	0.065	0.5	0.032	0.016	0.016	
Roof	HAF4036A, 806-941MHz	2.14	90	815.0000	42.0	42.0	CW	E	1.190	BS1	2	0.002	0.005	0.004	0.002	0.005	0.014	0.026	0.042	0.059	0.066	0.5	0.027	0.013	0.013	
Roof	HAF4036A, 806-941MHz	2.14	90	824.0000	42.0	42.0	CW	E	1.180	BS1	2	0.004	0.004	0.005	0.007	0.009	0.016	0.024	0.034	0.065	0.074	0.5	0.029	0.014	0.014	
Roof	HAF4036A, 806-941MHz	2.14	90	851.0000	42.0	42.0	CW	E	1.150	BS1	2	0.005	0.004	0.004	0.005	0.006	0.010	0.018	0.022	0.047	0.058	0.5	0.021	0.010	0.010	
Roof	HAF4036A, 806-941MHz	2.14	90	860.0000	42.0	42.0	CW	E	1.140	BS1	2	0.001	0.003	0.005	0.002	0.006	0.015	0.027	0.035	0.057	0.069	0.5	0.025	0.013	0.013	
Roof	HAF4036A, 806-941MHz	2.14	90	869.0000	42.0	42.0	CW	E	1.140	BS1	2	0.003	0.003	0.004	0.004	0.007	0.012	0.016	0.033	0.051	0.049	0.5	0.021	0.010	0.010	
Roof	HAF4036A, 806-941MHz	2.14	90	896.0125	36.0	36.0	CW	E	1.110	BS1	2	0.002	0.004	0.003	0.006	0.008	0.011	0.019	0.024	0.039	0.035	0.5	0.017	0.008	0.008	
Roof	HAF4036A, 806-941MHz	2.14	90	898.5000	36.0	36.0	CW	E	1.100	BS1	2	0.003	0.003	0.002	0.005	0.007	0.010	0.015	0.023	0.032	0.043	0.5	0.016	0.008	0.008	
Roof	HAF4036A, 806-941MHz	2.14	90	900.0000	36.0	36.0	CW	E	1.100	BS1	2	0.002	0.001	0.004	0.004	0.005	0.007	0.011	0.020	0.032	0.035	0.5	0.013	0.007	0.007	
Roof	HAF4036A, 806-941MHz	2.14	90	935.0125	36.0	36.0	CW	E	1.070	BS1	2	0.001	0.001	0.001	0.004	0.011	0.015	0.016	0.021	0.033	0.042	0.5	0.016	0.008	0.008	
Roof	HAF4036A, 806-941MHz	2.14	90	937.5000	36.0	36.0	CW	E	1.060	BS1	2	0.001	0.001	0.003	0.004	0.007	0.012	0.014	0.019	0.027	0.030	0.5	0.013	0.006	0.006	
Roof	HAF4036A, 806-941MHz	2.14	90	939.0000	36.0	36.0	CW	E	1.060	BS1	2	0.001	0.002	0.004	0.002	0.004	0.010	0.012	0.016	0.024	0.032	0.5	0.011	0.006	0.006	
Roof	HAF4036A, 806-941MHz	2.14	90	901.5000	4.0	4.0	CW	E	1.060	BS1	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.004	0.5	0.001	0.001	0.001	
Roof	HAF4036A, 806-941MHz	2.14	90	940.5000	4.0	4.0	CW	E	1.100	BS1	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.003	0.5	0.001	0.001	0.001	

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX 6500 8/900MHz - 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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor	<sup>(5)</sup> Test Pos.	<sup>(6)</sup> Meas. Unit	Bystander (BS) Positions													
												20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAF4036A, 806-941MHz	2.14	90	806.0000	42.0	42.0	CW	E	1.200	BS2	2	0.002	0.002	0.002	0.006	0.013	0.019	0.023	0.040	0.052	0.059	0.5	0.026	0.013	0.013
Roof	HAF4036A, 806-941MHz	2.14	90	815.0000	42.0	42.0	CW	E	1.190	BS2	2	0.003	0.004	0.007	0.008	0.007	0.020	0.030	0.039	0.051	0.045	0.5	0.025	0.013	0.013
Roof	HAF4036A, 806-941MHz	2.14	90	824.0000	42.0	42.0	CW	E	1.180	BS2	2	0.002	0.003	0.004	0.008	0.012	0.017	0.026	0.031	0.041	0.055	0.5	0.023	0.012	0.012
Roof	HAF4036A, 806-941MHz	2.14	90	851.0000	42.0	42.0	CW	E	1.150	BS2	2	0.001	0.002	0.003	0.005	0.012	0.016	0.025	0.039	0.050	0.061	0.5	0.025	0.012	0.012
Roof	HAF4036A, 806-941MHz	2.14	90	860.0000	42.0	42.0	CW	E	1.140	BS2	2	0.002	0.004	0.004	0.003	0.005	0.013	0.024	0.036	0.051	0.049	0.5	0.022	0.011	0.011
Roof	HAF4036A, 806-941MHz	2.14	90	869.0000	42.0	42.0	CW	E	1.140	BS2	2	0.002	0.003	0.005	0.005	0.006	0.017	0.033	0.041	0.036	0.037	0.5	0.021	0.011	0.011
Roof	HAF4036A, 806-941MHz	2.14	90	896.0125	36.0	36.0	CW	E	1.110	BS2	2	0.001	0.002	0.001	0.004	0.006	0.010	0.015	0.021	0.025	0.039	0.5	0.014	0.007	0.007
Roof	HAF4036A, 806-941MHz	2.14	90	898.5000	36.0	36.0	CW	E	1.100	BS2	2	0.001	0.001	0.002	0.004	0.008	0.014	0.015	0.023	0.032	0.033	0.5	0.015	0.007	0.007
Roof	HAF4036A, 806-941MHz	2.14	90	900.0000	36.0	36.0	CW	E	1.100	BS2	2	0.001	0.002	0.004	0.005	0.006	0.009	0.011	0.015	0.028	0.036	0.5	0.013	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	935.0125	36.0	36.0	CW	E	1.070	BS2	2	0.001	0.002	0.003	0.003	0.004	0.011	0.016	0.014	0.025	0.029	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	937.5000	36.0	36.0	CW	E	1.060	BS2	2	0.001	0.002	0.004	0.004	0.006	0.011	0.016	0.016	0.022	0.031	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	939.0000	36.0	36.0	CW	E	1.060	BS2	2	0.001	0.003	0.004	0.003	0.005	0.009	0.013	0.017	0.018	0.027	0.5	0.011	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	901.5000	4.0	4.0	CW	E	1.060	BS2	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.004	0.5	0.001	0.001	0.001
Roof	HAF4036A, 806-941MHz	2.14	90	940.5000	4.0	4.0	CW	E	1.100	BS2	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.5	0.001	0.000	0.000
Roof	HAF4036A, 806-941MHz	2.14	90	806.0000	42.0	42.0	CW	E	1.200	BS3	2	0.007	0.005	0.006	0.007	0.011	0.013	0.016	0.022	0.032	0.046	0.5	0.020	0.010	0.010
Roof	HAF4036A, 806-941MHz	2.14	90	815.0000	42.0	42.0	CW	E	1.190	BS3	2	0.003	0.006	0.006	0.004	0.003	0.009	0.019	0.018	0.022	0.027	0.5	0.014	0.007	0.007
Roof	HAF4036A, 806-941MHz	2.14	90	824.0000	42.0	42.0	CW	E	1.180	BS3	2	0.005	0.006	0.005	0.007	0.011	0.013	0.023	0.027	0.028	0.049	0.5	0.021	0.010	0.010
Roof	HAF4036A, 806-941MHz	2.14	90	851.0000	42.0	42.0	CW	E	1.150	BS3	2	0.003	0.003	0.003	0.005	0.005	0.007	0.013	0.015	0.019	0.026	0.5	0.011	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	860.0000	42.0	42.0	CW	E	1.140	BS3	2	0.004	0.005	0.004	0.003	0.003	0.010	0.014	0.017	0.028	0.029	0.5	0.013	0.007	0.007
Roof	HAF4036A, 806-941MHz	2.14	90	869.0000	42.0	42.0	CW	E	1.140	BS3	2	0.004	0.003	0.004	0.006	0.005	0.007	0.009	0.012	0.020	0.032	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	896.0125	36.0	36.0	CW	E	1.110	BS3	2	0.003	0.003	0.004	0.005	0.003	0.007	0.013	0.017	0.023	0.024	0.5	0.011	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	898.5000	36.0	36.0	CW	E	1.100	BS3	2	0.002	0.002	0.004	0.005	0.004	0.008	0.014	0.014	0.017	0.024	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	900.0000	36.0	36.0	CW	E	1.100	BS3	2	0.002	0.003	0.003	0.004	0.005	0.009	0.015	0.017	0.017	0.024	0.5	0.011	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	935.0125	36.0	36.0	CW	E	1.070	BS3	2	0.001	0.002	0.003	0.005	0.005	0.009	0.012	0.016	0.017	0.019	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	937.5000	36.0	36.0	CW	E	1.060	BS3	2	0.001	0.002	0.002	0.003	0.003	0.008	0.012	0.013	0.015	0.019	0.5	0.008	0.004	0.004
Roof	HAF4036A, 806-941MHz	2.14	90	939.0000	36.0	36.0	CW	E	1.060	BS3	2	0.002	0.002	0.002	0.003	0.003	0.011	0.012	0.012	0.019	0.020	0.5	0.009	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	901.5000	4.0	4.0	CW	E	1.060	BS3	2	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.5	0.001	0.000	0.000
Roof	HAF4036A, 806-941MHz	2.14	90	940.5000	4.0	4.0	CW	E	1.100	BS3	2	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.5	0.001	0.000	0.000

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX 6500 8/900MHz - 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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	(3)Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	(4) Probe Cal. Factor	(5) Test Pos.	(6) Meas. Unit	Bystander (BS) Positions													
												20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAF4036A, 806-941MHz	2.14	90	806.0000	42.0	42.0	CW	E	1.200	BS4	2	0.003	0.003	0.004	0.009	0.010	0.009	0.012	0.026	0.039	0.037	0.5	0.018	0.009	0.009
Roof	HAF4036A, 806-941MHz	2.14	90	815.0000	42.0	42.0	CW	E	1.190	BS4	2	0.004	0.003	0.003	0.005	0.007	0.006	0.009	0.016	0.025	0.020	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	824.0000	42.0	42.0	CW	E	1.180	BS4	2	0.002	0.003	0.004	0.006	0.006	0.006	0.009	0.012	0.024	0.025	0.5	0.011	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	851.0000	42.0	42.0	CW	E	1.150	BS4	2	0.001	0.002	0.002	0.005	0.005	0.009	0.009	0.013	0.019	0.024	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	860.0000	42.0	42.0	CW	E	1.140	BS4	2	0.002	0.002	0.002	0.002	0.003	0.003	0.011	0.024	0.021	0.016	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	869.0000	42.0	42.0	CW	E	1.140	BS4	2	0.002	0.002	0.004	0.003	0.003	0.005	0.010	0.016	0.011	0.008	0.5	0.007	0.004	0.004
Roof	HAF4036A, 806-941MHz	2.14	90	896.0125	36.0	36.0	CW	E	1.110	BS4	2	0.001	0.002	0.004	0.005	0.006	0.006	0.004	0.008	0.013	0.015	0.5	0.007	0.004	0.004
Roof	HAF4036A, 806-941MHz	2.14	90	898.5000	36.0	36.0	CW	E	1.100	BS4	2	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.006	0.007	0.009	0.5	0.004	0.002	0.002
Roof	HAF4036A, 806-941MHz	2.14	90	900.0000	36.0	36.0	CW	E	1.100	BS4	2	0.002	0.002	0.001	0.001	0.002	0.003	0.004	0.008	0.008	0.006	0.5	0.004	0.002	0.002
Roof	HAF4036A, 806-941MHz	2.14	90	935.0125	36.0	36.0	CW	E	1.070	BS4	2	0.002	0.002	0.002	0.005	0.006	0.006	0.007	0.015	0.015	0.013	0.5	0.008	0.004	0.004
Roof	HAF4036A, 806-941MHz	2.14	90	937.5000	36.0	36.0	CW	E	1.060	BS4	2	0.001	0.001	0.002	0.005	0.004	0.002	0.004	0.010	0.010	0.008	0.5	0.005	0.002	0.002
Roof	HAF4036A, 806-941MHz	2.14	90	939.0000	36.0	36.0	CW	E	1.060	BS4	2	0.001	0.001	0.002	0.005	0.002	0.001	0.004	0.011	0.010	0.007	0.5	0.005	0.002	0.002
Roof	HAF4036A, 806-941MHz	2.14	90	901.5000	4.0	4.0	CW	E	1.060	BS4	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.5	0.000	0.000	0.000
Roof	HAF4036A, 806-941MHz	2.14	90	940.5000	4.0	4.0	CW	E	1.100	BS4	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.5	0.000	0.000	0.000
Roof	HAF4036A, 806-941MHz	2.14	90	806.0000	42.0	42.0	CW	E	1.200	BSS	2	0.002	0.001	0.002	0.007	0.011	0.011	0.007	0.009	0.031	0.036	0.5	0.014	0.007	0.007
Roof	HAF4036A, 806-941MHz	2.14	90	815.0000	42.0	42.0	CW	E	1.190	BSS	2	0.002	0.002	0.002	0.003	0.014	0.016	0.008	0.009	0.031	0.045	0.5	0.016	0.008	0.008
Roof	HAF4036A, 806-941MHz	2.14	90	824.0000	42.0	42.0	CW	E	1.180	BSS	2	0.002	0.002	0.003	0.008	0.009	0.009	0.005	0.009	0.025	0.029	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	851.0000	42.0	42.0	CW	E	1.150	BSS	2	0.001	0.003	0.003	0.004	0.004	0.004	0.005	0.006	0.034	0.024	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	860.0000	42.0	42.0	CW	E	1.140	BSS	2	0.001	0.002	0.004	0.006	0.008	0.009	0.009	0.011	0.030	0.025	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	90	869.0000	42.0	42.0	CW	E	1.140	BSS	2	0.001	0.001	0.003	0.006	0.006	0.005	0.002	0.010	0.024	0.026	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	90	896.0125	36.0	36.0	CW	E	1.110	BSS	2	0.001	0.001	0.002	0.003	0.003	0.004	0.004	0.006	0.019	0.020	0.5	0.007	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	90	898.5000	36.0	36.0	CW	E	1.100	BSS	2	0.000	0.001	0.002	0.004	0.005	0.004	0.004	0.006	0.013	0.016	0.5	0.006	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	90	900.0000	36.0	36.0	CW	E	1.100	BSS	2	0.001	0.001	0.001	0.003	0.005	0.005	0.005	0.010	0.015	0.017	0.5	0.007	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	90	935.0125	36.0	36.0	CW	E	1.070	BSS	2	0.000	0.001	0.002	0.002	0.004	0.005	0.008	0.007	0.016	0.018	0.5	0.007	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	90	937.5000	36.0	36.0	CW	E	1.060	BSS	2	0.001	0.001	0.002	0.004	0.004	0.005	0.004	0.006	0.014	0.016	0.5	0.006	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	90	939.0000	36.0	36.0	CW	E	1.060	BSS	2	0.000	0.001	0.004	0.004	0.003	0.005	0.005	0.006	0.011	0.014	0.5	0.006	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	90	901.5000	4.0	4.0	CW	E	1.060	BSS	2	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.002	0.002	0.5	0.001	0.000	0.000
Roof	HAF4036A, 806-941MHz	2.14	90	940.5000	4.0	4.0	CW	E	1.100	BSS	2	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.001	0.001	0.5	0.000	0.000	0.000

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX 6500 8/900MHz - MPE measurement data for Bystander

(2) Ant Loc.	Ant. Model/ Desc.	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. Gain (dBi)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	(3) Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	(4) Probe Cal. Factor	(5) Test Pos.	(6) Meas. Unit	Bystander (BS) Positions													
												20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAF4037A, 806-941MHz	3.00	90	806.0000	42.0	42.0	CW	E	1.200	BS1	2	0.014	0.013	0.017	0.035	0.052	0.075	0.083	0.096	0.099	0.070	0.5	0.066	0.033	0.033
Roof	HAF4037A, 806-941MHz	3.00	90	815.0000	42.0	42.0	CW	E	1.190	BS1	2	0.008	0.016	0.017	0.013	0.024	0.043	0.060	0.091	0.095	0.065	0.5	0.051	0.026	0.026
Roof	HAF4037A, 806-941MHz	3.00	90	824.0000	42.0	42.0	CW	E	1.180	BS1	2	0.012	0.013	0.013	0.019	0.028	0.049	0.069	0.085	0.095	0.080	0.5	0.055	0.027	0.027
Roof	HAF4037A, 806-941MHz	3.00	90	851.0000	42.0	42.0	CW	E	1.150	BS1	2	0.008	0.011	0.010	0.014	0.018	0.032	0.055	0.075	0.099	0.075	0.5	0.046	0.023	0.023
Roof	HAF4037A, 806-941MHz	3.00	90	860.0000	42.0	42.0	CW	E	1.140	BS1	2	0.005	0.006	0.012	0.009	0.019	0.040	0.057	0.073	0.097	0.075	0.5	0.045	0.022	0.022
Roof	HAF4037A, 806-941MHz	3.00	90	869.0000	42.0	42.0	CW	E	1.140	BS1	2	0.007	0.008	0.008	0.013	0.026	0.043	0.060	0.048	0.098	0.059	0.5	0.042	0.021	0.021
Roof	HAF4037A, 806-941MHz	3.00	90	896.0125	36.0	36.0	CW	E	1.110	BS1	2	0.004	0.006	0.005	0.017	0.024	0.030	0.046	0.064	0.073	0.043	0.5	0.035	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	90	898.5000	36.0	36.0	CW	E	1.100	BS1	2	0.006	0.005	0.005	0.012	0.022	0.030	0.042	0.052	0.063	0.049	0.5	0.031	0.016	0.016
Roof	HAF4037A, 806-941MHz	3.00	90	900.0000	36.0	36.0	CW	E	1.100	BS1	2	0.005	0.004	0.007	0.013	0.016	0.027	0.039	0.058	0.069	0.039	0.5	0.030	0.015	0.015
Roof	HAF4037A, 806-941MHz	3.00	90	935.0125	36.0	36.0	CW	E	1.070	BS1	2	0.006	0.004	0.003	0.012	0.030	0.044	0.053	0.060	0.075	0.069	0.5	0.038	0.019	0.019
Roof	HAF4037A, 806-941MHz	3.00	90	937.5000	36.0	36.0	CW	E	1.060	BS1	2	0.003	0.001	0.008	0.012	0.026	0.039	0.047	0.062	0.062	0.052	0.5	0.033	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	90	939.0000	36.0	36.0	CW	E	1.060	BS1	2	0.002	0.003	0.011	0.010	0.019	0.032	0.042	0.049	0.057	0.048	0.5	0.029	0.014	0.014
Roof	HAF4037A, 806-941MHz	3.00	90	901.5000	4.0	4.0	CW	E	1.060	BS1	2	0.000	0.000	0.001	0.001	0.001	0.002	0.004	0.006	0.007	0.005	0.5	0.003	0.001	0.001
Roof	HAF4037A, 806-941MHz	3.00	90	940.5000	4.0	4.0	CW	E	1.100	BS1	2	0.000	0.000	0.000	0.001	0.002	0.003	0.005	0.007	0.008	0.005	0.5	0.003	0.002	0.002
Roof	HAF4037A, 806-941MHz	3.00	90	806.0000	42.0	42.0	CW	E	1.200	BS2	2	0.006	0.008	0.008	0.017	0.032	0.054	0.076	0.093	0.100	0.069	0.5	0.056	0.028	0.028
Roof	HAF4037A, 806-941MHz	3.00	90	815.0000	42.0	42.0	CW	E	1.190	BS2	2	0.006	0.008	0.015	0.017	0.023	0.055	0.068	0.070	0.076	0.053	0.5	0.047	0.023	0.023
Roof	HAF4037A, 806-941MHz	3.00	90	824.0000	42.0	42.0	CW	E	1.180	BS2	2	0.005	0.011	0.011	0.022	0.044	0.049	0.053	0.077	0.077	0.039	0.5	0.046	0.023	0.023
Roof	HAF4037A, 806-941MHz	3.00	90	851.0000	42.0	42.0	CW	E	1.150	BS2	2	0.005	0.008	0.012	0.012	0.022	0.047	0.070	0.103	0.105	0.070	0.5	0.052	0.026	0.026
Roof	HAF4037A, 806-941MHz	3.00	90	860.0000	42.0	42.0	CW	E	1.140	BS2	2	0.004	0.007	0.013	0.011	0.016	0.037	0.058	0.086	0.086	0.057	0.5	0.043	0.021	0.021
Roof	HAF4037A, 806-941MHz	3.00	90	869.0000	42.0	42.0	CW	E	1.140	BS2	2	0.005	0.008	0.014	0.015	0.021	0.049	0.074	0.099	0.081	0.077	0.5	0.051	0.025	0.025
Roof	HAF4037A, 806-941MHz	3.00	90	896.0125	36.0	36.0	CW	E	1.110	BS2	2	0.005	0.006	0.005	0.019	0.020	0.037	0.046	0.053	0.058	0.058	0.5	0.034	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	90	898.5000	36.0	36.0	CW	E	1.100	BS2	2	0.005	0.006	0.010	0.018	0.026	0.041	0.048	0.068	0.066	0.052	0.5	0.037	0.019	0.019
Roof	HAF4037A, 806-941MHz	3.00	90	900.0000	36.0	36.0	CW	E	1.100	BS2	2	0.003	0.007	0.011	0.020	0.020	0.028	0.037	0.058	0.058	0.055	0.5	0.033	0.016	0.016
Roof	HAF4037A, 806-941MHz	3.00	90	935.0125	36.0	36.0	CW	E	1.070	BS2	2	0.002	0.008	0.008	0.008	0.020	0.047	0.050	0.057	0.065	0.056	0.5	0.034	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	90	937.5000	36.0	36.0	CW	E	1.060	BS2	2	0.004	0.007	0.010	0.010	0.023	0.049	0.063	0.067	0.063	0.051	0.5	0.037	0.018	0.018
Roof	HAF4037A, 806-941MHz	3.00	90	939.0000	36.0	36.0	CW	E	1.060	BS2	2	0.004	0.009	0.011	0.011	0.015	0.032	0.051	0.060	0.063	0.058	0.5	0.033	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	90	901.5000	4.0	4.0	CW	E	1.060	BS2	2	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.006	0.006	0.5	0.003	0.001	0.001
Roof	HAF4037A, 806-941MHz	3.00	90	940.5000	4.0	4.0	CW	E	1.100	BS2	2	0.000	0.001	0.001	0.001	0.002	0.004	0.006	0.007	0.008	0.007	0.5	0.004	0.002	0.002

MPE calculations are defined in section 15.0



**Table F.1 (Continued)**  
**APX 6500 8/900MHz - MPE measurement data for Bystander**

(2) Ant Loc.	D.U.T. Info.							Probe Info.			(5) Test Pos.	(6) Meas. Unit	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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	(3) Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	(4) 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	HAF4037A, 806-941MHz	3.00	90	806.0000	42.0	42.0	CW	E	1.200	BS3	2	0.020	0.021	0.015	0.023	0.033	0.037	0.056	0.066	0.058	0.056	0.5	0.046	0.023	0.023	
Roof	HAF4037A, 806-941MHz	3.00	90	815.0000	42.0	42.0	CW	E	1.190	BS3	2	0.011	0.017	0.024	0.017	0.016	0.021	0.047	0.044	0.042	0.034	0.5	0.032	0.016	0.016	
Roof	HAF4037A, 806-941MHz	3.00	90	824.0000	42.0	42.0	CW	E	1.180	BS3	2	0.011	0.013	0.015	0.018	0.023	0.035	0.054	0.064	0.063	0.055	0.5	0.041	0.021	0.021	
Roof	HAF4037A, 806-941MHz	3.00	90	851.0000	42.0	42.0	CW	E	1.150	BS3	2	0.013	0.007	0.006	0.012	0.011	0.015	0.032	0.036	0.032	0.042	0.5	0.024	0.012	0.012	
Roof	HAF4037A, 806-941MHz	3.00	90	860.0000	42.0	42.0	CW	E	1.140	BS3	2	0.012	0.014	0.012	0.010	0.011	0.025	0.040	0.040	0.044	0.044	0.5	0.029	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	869.0000	42.0	42.0	CW	E	1.140	BS3	2	0.013	0.012	0.014	0.017	0.013	0.018	0.030	0.030	0.043	0.056	0.5	0.028	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	896.0125	36.0	36.0	CW	E	1.110	BS3	2	0.007	0.007	0.008	0.013	0.014	0.025	0.035	0.046	0.053	0.048	0.5	0.028	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	898.5000	36.0	36.0	CW	E	1.100	BS3	2	0.009	0.007	0.009	0.012	0.018	0.026	0.043	0.039	0.044	0.043	0.5	0.028	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	900.0000	36.0	36.0	CW	E	1.100	BS3	2	0.008	0.006	0.007	0.010	0.014	0.026	0.039	0.041	0.047	0.039	0.5	0.026	0.013	0.013	
Roof	HAF4037A, 806-941MHz	3.00	90	935.0125	36.0	36.0	CW	E	1.070	BS3	2	0.006	0.009	0.013	0.016	0.017	0.031	0.036	0.050	0.054	0.053	0.5	0.030	0.015	0.015	
Roof	HAF4037A, 806-941MHz	3.00	90	937.5000	36.0	36.0	CW	E	1.060	BS3	2	0.003	0.007	0.011	0.010	0.013	0.029	0.037	0.048	0.043	0.058	0.5	0.027	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	939.0000	36.0	36.0	CW	E	1.060	BS3	2	0.005	0.007	0.009	0.010	0.010	0.030	0.048	0.047	0.052	0.045	0.5	0.028	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	901.5000	4.0	4.0	CW	E	1.060	BS3	2	0.001	0.001	0.001	0.001	0.001	0.003	0.005	0.005	0.004	0.004	0.5	0.003	0.001	0.001	
Roof	HAF4037A, 806-941MHz	3.00	90	940.5000	4.0	4.0	CW	E	1.100	BS3	2	0.001	0.001	0.001	0.001	0.002	0.004	0.005	0.005	0.006	0.005	0.5	0.003	0.002	0.002	
Roof	HAF4037A, 806-941MHz	3.00	90	806.0000	42.0	42.0	CW	E	1.200	BS4	2	0.006	0.011	0.018	0.019	0.022	0.028	0.036	0.060	0.069	0.056	0.5	0.039	0.020	0.020	
Roof	HAF4037A, 806-941MHz	3.00	90	815.0000	42.0	42.0	CW	E	1.190	BS4	2	0.010	0.010	0.010	0.018	0.016	0.015	0.014	0.035	0.047	0.028	0.5	0.024	0.012	0.012	
Roof	HAF4037A, 806-941MHz	3.00	90	824.0000	42.0	42.0	CW	E	1.180	BS4	2	0.001	0.007	0.011	0.017	0.016	0.016	0.023	0.033	0.046	0.032	0.5	0.024	0.012	0.012	
Roof	HAF4037A, 806-941MHz	3.00	90	851.0000	42.0	42.0	CW	E	1.150	BS4	2	0.005	0.005	0.008	0.015	0.022	0.025	0.031	0.043	0.049	0.033	0.5	0.027	0.014	0.014	
Roof	HAF4037A, 806-941MHz	3.00	90	860.0000	42.0	42.0	CW	E	1.140	BS4	2	0.005	0.007	0.007	0.010	0.011	0.017	0.030	0.049	0.042	0.026	0.5	0.023	0.012	0.012	
Roof	HAF4037A, 806-941MHz	3.00	90	869.0000	42.0	42.0	CW	E	1.140	BS4	2	0.004	0.008	0.010	0.010	0.009	0.011	0.016	0.029	0.027	0.020	0.5	0.016	0.008	0.008	
Roof	HAF4037A, 806-941MHz	3.00	90	896.0125	36.0	36.0	CW	E	1.110	BS4	2	0.006	0.010	0.010	0.014	0.018	0.017	0.014	0.024	0.029	0.024	0.5	0.018	0.009	0.009	
Roof	HAF4037A, 806-941MHz	3.00	90	898.5000	36.0	36.0	CW	E	1.100	BS4	2	0.005	0.006	0.007	0.012	0.012	0.010	0.012	0.018	0.018	0.012	0.5	0.012	0.006	0.006	
Roof	HAF4037A, 806-941MHz	3.00	90	900.0000	36.0	36.0	CW	E	1.100	BS4	2	0.004	0.007	0.009	0.009	0.009	0.009	0.012	0.020	0.016	0.013	0.5	0.012	0.006	0.006	
Roof	HAF4037A, 806-941MHz	3.00	90	935.0125	36.0	36.0	CW	E	1.070	BS4	2	0.005	0.009	0.005	0.004	0.021	0.022	0.019	0.038	0.037	0.034	0.5	0.021	0.010	0.010	
Roof	HAF4037A, 806-941MHz	3.00	90	937.5000	36.0	36.0	CW	E	1.060	BS4	2	0.004	0.007	0.008	0.019	0.015	0.010	0.015	0.032	0.033	0.026	0.5	0.018	0.009	0.009	
Roof	HAF4037A, 806-941MHz	3.00	90	939.0000	36.0	36.0	CW	E	1.060	BS4	2	0.004	0.006	0.011	0.016	0.011	0.009	0.023	0.032	0.036	0.026	0.5	0.018	0.009	0.009	
Roof	HAF4037A, 806-941MHz	3.00	90	901.5000	4.0	4.0	CW	E	1.060	BS4	2	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.002	0.002	0.5	0.001	0.001	0.001	
Roof	HAF4037A, 806-941MHz	3.00	90	940.5000	4.0	4.0	CW	E	1.100	BS4	2	0.000	0.000	0.001	0.001	0.001	0.001	0.003	0.004	0.004	0.002	0.5	0.002	0.001	0.001	

MPE calculations are defined in section 15.0

**Table F.1 (Continued)**

**APX 6500 8/900MHz - 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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor		<sup>(5)</sup> Test Pos.	<sup>(6)</sup> Meas. Unit	Bystander (BS) Positions												
													20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm					180 cm
Roof	HAF4037A, 806-941MHz	3.00	90	806.0000	42.0	42.0	CW	E	1.200	BS5	2	0.005	0.007	0.011	0.026	0.041	0.033	0.025	0.039	0.066	0.059	0.5	0.037	0.019	0.019
Roof	HAF4037A, 806-941MHz	3.00	90	815.0000	42.0	42.0	CW	E	1.190	BS5	2	0.004	0.007	0.012	0.026	0.033	0.026	0.018	0.019	0.055	0.074	0.5	0.033	0.016	0.016
Roof	HAF4037A, 806-941MHz	3.00	90	824.0000	42.0	42.0	CW	E	1.180	BS5	2	0.003	0.008	0.011	0.026	0.035	0.024	0.016	0.024	0.058	0.056	0.5	0.031	0.015	0.015
Roof	HAF4037A, 806-941MHz	3.00	90	851.0000	42.0	42.0	CW	E	1.150	BS5	2	0.002	0.008	0.008	0.017	0.021	0.019	0.018	0.028	0.076	0.054	0.5	0.029	0.014	0.014
Roof	HAF4037A, 806-941MHz	3.00	90	860.0000	42.0	42.0	CW	E	1.140	BS5	2	0.002	0.004	0.013	0.019	0.014	0.012	0.020	0.033	0.046	0.027	0.5	0.022	0.011	0.011
Roof	HAF4037A, 806-941MHz	3.00	90	869.0000	42.0	42.0	CW	E	1.140	BS5	2	0.001	0.004	0.012	0.023	0.025	0.025	0.025	0.035	0.069	0.048	0.5	0.030	0.015	0.015
Roof	HAF4037A, 806-941MHz	3.00	90	896.0125	36.0	36.0	CW	E	1.110	BS5	2	0.002	0.006	0.007	0.010	0.012	0.010	0.009	0.021	0.038	0.042	0.5	0.017	0.009	0.009
Roof	HAF4037A, 806-941MHz	3.00	90	898.5000	36.0	36.0	CW	E	1.100	BS5	2	0.001	0.004	0.007	0.010	0.015	0.014	0.011	0.021	0.036	0.031	0.5	0.017	0.008	0.008
Roof	HAF4037A, 806-941MHz	3.00	90	900.0000	36.0	36.0	CW	E	1.100	BS5	2	0.002	0.003	0.007	0.008	0.013	0.014	0.015	0.024	0.037	0.030	0.5	0.017	0.008	0.008
Roof	HAF4037A, 806-941MHz	3.00	90	935.0125	36.0	36.0	CW	E	1.070	BS5	2	0.001	0.003	0.006	0.009	0.009	0.014	0.019	0.034	0.059	0.042	0.5	0.021	0.010	0.010
Roof	HAF4037A, 806-941MHz	3.00	90	937.5000	36.0	36.0	CW	E	1.060	BS5	2	0.002	0.004	0.006	0.012	0.013	0.016	0.020	0.033	0.054	0.053	0.5	0.023	0.011	0.011
Roof	HAF4037A, 806-941MHz	3.00	90	939.0000	36.0	36.0	CW	E	1.060	BS5	2	0.002	0.003	0.006	0.017	0.016	0.021	0.022	0.036	0.050	0.068	0.5	0.026	0.013	0.013
Roof	HAF4037A, 806-941MHz	3.00	90	901.5000	4.0	4.0	CW	E	1.060	BS5	2	0.000	0.000	0.001	0.001	0.002	0.001	0.001	0.003	0.004	0.002	0.5	0.002	0.001	0.001
Roof	HAF4037A, 806-941MHz	3.00	90	940.5000	4.0	4.0	CW	E	1.100	BS5	2	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.005	0.002	0.5	0.002	0.001	0.001

MPE calculations are defined in section 15.0

**Table F.2**  
**APX 6500 8/900MHz - MPE measurement data for Passenger**

D.U.T. Info.										Probe Info.		<sup>(6)</sup> Meas. Unit			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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor	<sup>(5)</sup> Test Pos.	MPE Measurements							
												Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAF4013A, 806-941MHz	5.15	60	806.0000	42.0	42.0	CW	E	1.200	PB	2	0.026	0.022	0.027	0.5	0.030	0.015	0.015
Roof	HAF4013A, 806-941MHz	5.15	60	815.0000	42.0	42.0	CW	E	1.190	PB	2	0.015	0.014	0.024	0.5	0.021	0.011	0.011
Roof	HAF4013A, 806-941MHz	5.15	60	824.0000	42.0	42.0	CW	E	1.180	PB	2	0.009	0.006	0.008	0.5	0.009	0.005	0.005
Roof	HAF4013A, 806-941MHz	5.15	60	851.0000	42.0	42.0	CW	E	1.150	PB	2	0.012	0.008	0.013	0.5	0.013	0.006	0.006
Roof	HAF4013A, 806-941MHz	5.15	60	860.0000	42.0	42.0	CW	E	1.140	PB	2	0.026	0.007	0.015	0.5	0.018	0.009	0.009
Roof	HAF4013A, 806-941MHz	5.15	60	869.0000	42.0	42.0	CW	E	1.140	PB	2	0.021	0.005	0.011	0.5	0.014	0.007	0.007
Roof	HAF4013A, 806-941MHz	5.15	60	896.0000	36.0	36.0	CW	E	1.110	PB	2	0.020	0.011	0.011	0.5	0.016	0.008	0.008
Roof	HAF4013A, 806-941MHz	5.15	60	898.5000	36.0	36.0	CW	E	1.100	PB	2	0.016	0.012	0.007	0.5	0.013	0.006	0.006
Roof	HAF4013A, 806-941MHz	5.15	60	900.0000	36.0	36.0	CW	E	1.100	PB	2	0.017	0.008	0.012	0.5	0.014	0.007	0.007
Roof	HAF4013A, 806-941MHz	5.15	60	935.0000	36.0	36.0	CW	E	1.070	PB	2	0.005	0.006	0.013	0.5	0.009	0.004	0.004
Roof	HAF4013A, 806-941MHz	5.15	60	937.5000	36.0	36.0	CW	E	1.060	PB	2	0.004	0.004	0.012	0.5	0.007	0.004	0.004
Roof	HAF4013A, 806-941MHz	5.15	60	939.0000	36.0	36.0	CW	E	1.060	PB	2	0.004	0.005	0.010	0.5	0.007	0.003	0.003
Roof	HAF4013A, 806-941MHz	5.15	20	901.5000	4.0	4.0	CW	E	1.060	PB	2	0.002	0.001	0.001	0.5	0.001	0.001	0.001
Roof	HAF4013A, 806-941MHz	5.15	20	940.5000	4.0	4.0	CW	E	1.100	PB	2	0.001	0.001	0.001	0.5	0.001	0.001	0.001

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**

**APX 6500 8/900MHz - MPE measurement data for Passenger**

D.U.T. Info.								Probe Info.			<sup>(6)</sup> Meas. Unit			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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor		<sup>(5)</sup> Test Pos.	MPE Measurements							
													Head/ Top 1/3					Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3
Roof	HAF4036A, 806-941MHz	2.14	60	806.0000	42.0	42.0	CW	E	1.200	PB	2	0.027	0.022	0.026	0.5	0.030	0.015	0.015	
Roof	HAF4036A, 806-941MHz	2.14	60	815.0000	42.0	42.0	CW	E	1.190	PB	2	0.023	0.014	0.040	0.5	0.031	0.015	0.015	
Roof	HAF4036A, 806-941MHz	2.14	60	824.0000	42.0	42.0	CW	E	1.180	PB	2	0.012	0.007	0.030	0.5	0.019	0.010	0.010	
Roof	HAF4036A, 806-941MHz	2.14	60	851.0000	42.0	42.0	CW	E	1.150	PB	2	0.015	0.009	0.014	0.5	0.015	0.007	0.007	
Roof	HAF4036A, 806-941MHz	2.14	60	860.0000	42.0	42.0	CW	E	1.140	PB	2	0.023	0.014	0.015	0.5	0.020	0.010	0.010	
Roof	HAF4036A, 806-941MHz	2.14	60	869.0000	42.0	42.0	CW	E	1.140	PB	2	0.018	0.014	0.014	0.5	0.017	0.009	0.009	
Roof	HAF4036A, 806-941MHz	2.14	60	896.0000	36.0	36.0	CW	E	1.110	PB	2	0.018	0.011	0.014	0.5	0.016	0.008	0.008	
Roof	HAF4036A, 806-941MHz	2.14	60	898.5000	36.0	36.0	CW	E	1.100	PB	2	0.018	0.011	0.011	0.5	0.015	0.007	0.007	
Roof	HAF4036A, 806-941MHz	2.14	60	900.0000	36.0	36.0	CW	E	1.100	PB	2	0.018	0.012	0.014	0.5	0.016	0.008	0.008	
Roof	HAF4036A, 806-941MHz	2.14	60	935.0000	36.0	36.0	CW	E	1.070	PB	2	0.006	0.006	0.021	0.5	0.012	0.006	0.006	
Roof	HAF4036A, 806-941MHz	2.14	60	937.5000	36.0	36.0	CW	E	1.060	PB	2	0.004	0.003	0.013	0.5	0.007	0.004	0.004	
Roof	HAF4036A, 806-941MHz	2.14	60	939.0000	36.0	36.0	CW	E	1.060	PB	2	0.003	0.003	0.010	0.5	0.006	0.003	0.003	
Roof	HAF4036A, 806-941MHz	2.14	20	901.5000	4.0	4.0	CW	E	1.060	PB	2	0.001	0.001	0.001	0.5	0.001	0.001	0.001	
Roof	HAF4036A, 806-941MHz	2.14	20	940.5000	4.0	4.0	CW	E	1.100	PB	2	0.001	0.001	0.001	0.5	0.001	0.001	0.001	

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**

**APX 6500 8/900MHz - MPE measurement data for Passenger**

D.U.T. Info.										Probe Info.		<sup>(6)</sup> Meas. Unit			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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor	<sup>(5)</sup> Test Pos.	MPE Measurements							
												Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAF4037A, 806-941MHz	3.00	60	806.0000	42.0	42.0	CW	E	1.200	PB	2	0.065	0.049	0.059	0.5	0.069	0.035	0.035
Roof	HAF4037A, 806-941MHz	3.00	60	815.0000	42.0	42.0	CW	E	1.190	PB	2	0.051	0.041	0.035	0.5	0.050	0.025	0.025
Roof	HAF4037A, 806-941MHz	3.00	60	824.0000	42.0	42.0	CW	E	1.180	PB	2	0.026	0.030	0.031	0.5	0.034	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	60	851.0000	42.0	42.0	CW	E	1.150	PB	2	0.041	0.022	0.031	0.5	0.036	0.018	0.018
Roof	HAF4037A, 806-941MHz	3.00	60	860.0000	42.0	42.0	CW	E	1.140	PB	2	0.049	0.020	0.039	0.5	0.041	0.021	0.021
Roof	HAF4037A, 806-941MHz	3.00	60	869.0000	42.0	42.0	CW	E	1.140	PB	2	0.068	0.038	0.036	0.5	0.054	0.027	0.027
Roof	HAF4037A, 806-941MHz	3.00	60	896.0000	36.0	36.0	CW	E	1.110	PB	2	0.047	0.024	0.020	0.5	0.034	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	60	898.5000	36.0	36.0	CW	E	1.100	PB	2	0.041	0.024	0.029	0.5	0.034	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	60	900.0000	36.0	36.0	CW	E	1.100	PB	2	0.042	0.027	0.030	0.5	0.036	0.018	0.018
Roof	HAF4037A, 806-941MHz	3.00	60	935.0000	36.0	36.0	CW	E	1.070	PB	2	0.017	0.023	0.058	0.5	0.035	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	60	937.5000	36.0	36.0	CW	E	1.060	PB	2	0.015	0.024	0.025	0.5	0.023	0.011	0.011
Roof	HAF4037A, 806-941MHz	3.00	60	939.0000	36.0	36.0	CW	E	1.060	PB	2	0.012	0.009	0.028	0.5	0.017	0.009	0.009
Roof	HAF4037A, 806-941MHz	3.00	20	901.5000	4.0	4.0	CW	E	1.060	PB	2	0.004	0.001	0.002	0.5	0.002	0.001	0.001
Roof	HAF4037A, 806-941MHz	3.00	20	940.5000	4.0	4.0	CW	E	1.100	PB	2	0.001	0.002	0.003	0.5	0.002	0.001	0.001

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**

**APX 6500 8/900MHz - MPE measurement data for Passenger**

D.U.T. Info.								Probe Info.			<sup>(6)</sup> Meas. Unit			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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor		<sup>(5)</sup> Test Pos.	MPE Measurements							
													Head/ Top 1/3					Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3
Roof	HAF4013A, 806-941MHz	5.15	60	806.0000	42.0	42.0	CW	E	1.200	PF	2	0.021	0.013	0.020	0.5	0.022	0.011	0.011	
Roof	HAF4013A, 806-941MHz	5.15	60	815.0000	42.0	42.0	CW	E	1.190	PF	2	0.006	0.010	0.016	0.5	0.013	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	60	824.0000	42.0	42.0	CW	E	1.180	PF	2	0.013	0.005	0.013	0.5	0.012	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	60	851.0000	42.0	42.0	CW	E	1.150	PF	2	0.009	0.008	0.006	0.5	0.009	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	60	860.0000	42.0	42.0	CW	E	1.140	PF	2	0.004	0.008	0.008	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	60	869.0000	42.0	42.0	CW	E	1.140	PF	2	0.004	0.004	0.013	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	60	896.0000	36.0	36.0	CW	E	1.110	PF	2	0.010	0.008	0.021	0.5	0.014	0.007	0.007	
Roof	HAF4013A, 806-941MHz	5.15	60	898.5000	36.0	36.0	CW	E	1.100	PF	2	0.003	0.005	0.015	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	60	900.0000	36.0	36.0	CW	E	1.100	PF	2	0.006	0.006	0.018	0.5	0.011	0.006	0.006	
Roof	HAF4013A, 806-941MHz	5.15	60	935.0000	36.0	36.0	CW	E	1.070	PF	2	0.007	0.011	0.004	0.5	0.008	0.004	0.004	
Roof	HAF4013A, 806-941MHz	5.15	60	937.5000	36.0	36.0	CW	E	1.060	PF	2	0.004	0.005	0.005	0.5	0.005	0.002	0.002	
Roof	HAF4013A, 806-941MHz	5.15	60	939.0000	36.0	36.0	CW	E	1.060	PF	2	0.004	0.005	0.006	0.5	0.005	0.003	0.003	
Roof	HAF4013A, 806-941MHz	5.15	20	901.5000	4.0	4.0	CW	E	1.060	PF	2	0.000	0.001	0.001	0.5	0.001	0.000	0.000	
Roof	HAF4013A, 806-941MHz	5.15	20	940.5000	4.0	4.0	CW	E	1.100	PF	2	0.001	0.000	0.000	0.5	0.000	0.000	0.000	

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX 6500 8/900MHz - MPE measurement data for Passenger**

D.U.T. Info.										Probe Info.		<sup>(6)</sup> Meas. Unit			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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor	<sup>(5)</sup> Test Pos.	MPE Measurements							
												Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAF4036A, 806-941MHz	2.14	60	806.0000	42.0	42.0	CW	E	1.200	PF	2	0.025	0.014	0.029	0.5	0.027	0.014	0.014
Roof	HAF4036A, 806-941MHz	2.14	60	815.0000	42.0	42.0	CW	E	1.190	PF	2	0.008	0.014	0.017	0.5	0.015	0.008	0.008
Roof	HAF4036A, 806-941MHz	2.14	60	824.0000	42.0	42.0	CW	E	1.180	PF	2	0.011	0.006	0.013	0.5	0.012	0.006	0.006
Roof	HAF4036A, 806-941MHz	2.14	60	851.0000	42.0	42.0	CW	E	1.150	PF	2	0.004	0.006	0.006	0.5	0.006	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	60	860.0000	42.0	42.0	CW	E	1.140	PF	2	0.014	0.005	0.006	0.5	0.010	0.005	0.005
Roof	HAF4036A, 806-941MHz	2.14	60	869.0000	42.0	42.0	CW	E	1.140	PF	2	0.004	0.004	0.008	0.5	0.006	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	60	896.0000	36.0	36.0	CW	E	1.110	PF	2	0.004	0.010	0.022	0.5	0.013	0.007	0.007
Roof	HAF4036A, 806-941MHz	2.14	60	898.5000	36.0	36.0	CW	E	1.100	PF	2	0.004	0.009	0.005	0.5	0.007	0.003	0.003
Roof	HAF4036A, 806-941MHz	2.14	60	900.0000	36.0	36.0	CW	E	1.100	PF	2	0.002	0.007	0.014	0.5	0.008	0.004	0.004
Roof	HAF4036A, 806-941MHz	2.14	60	935.0000	36.0	36.0	CW	E	1.070	PF	2	0.004	0.005	0.004	0.5	0.005	0.002	0.002
Roof	HAF4036A, 806-941MHz	2.14	60	937.5000	36.0	36.0	CW	E	1.060	PF	2	0.007	0.011	0.003	0.5	0.007	0.004	0.004
Roof	HAF4036A, 806-941MHz	2.14	60	939.0000	36.0	36.0	CW	E	1.060	PF	2	0.003	0.004	0.003	0.5	0.004	0.002	0.002
Roof	HAF4036A, 806-941MHz	2.14	20	901.5000	4.0	4.0	CW	E	1.060	PF	2	0.000	0.000	0.001	0.5	0.000	0.000	0.000
Roof	HAF4036A, 806-941MHz	2.14	20	940.5000	4.0	4.0	CW	E	1.100	PF	2	0.000	0.000	0.001	0.5	0.000	0.000	0.000

MPE calculations are defined in section 15.0

**Table F.2 (Continued)**  
**APX 6500 8/900MHz - MPE measurement data for Passenger**

D.U.T. Info.										Probe Info.		<sup>(6)</sup> Meas. Unit			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)	Ant. Meas. Dist. (cm)	Tx Freq (MHz)	<sup>(3)</sup> Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	<sup>(4)</sup> Probe Cal. Factor	<sup>(5)</sup> Test Pos.	MPE Measurements							
												Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAF4037A, 806-941MHz	3.00	60	806.0000	42.0	42.0	CW	E	1.200	PF	2	0.038	0.027	0.059	0.5	0.050	0.025	0.025
Roof	HAF4037A, 806-941MHz	3.00	60	815.0000	42.0	42.0	CW	E	1.190	PF	2	0.039	0.035	0.034	0.5	0.043	0.021	0.021
Roof	HAF4037A, 806-941MHz	3.00	60	824.0000	42.0	42.0	CW	E	1.180	PF	2	0.027	0.020	0.020	0.5	0.026	0.013	0.013
Roof	HAF4037A, 806-941MHz	3.00	60	851.0000	42.0	42.0	CW	E	1.150	PF	2	0.022	0.014	0.022	0.5	0.022	0.011	0.011
Roof	HAF4037A, 806-941MHz	3.00	60	860.0000	42.0	42.0	CW	E	1.140	PF	2	0.052	0.022	0.017	0.5	0.035	0.017	0.017
Roof	HAF4037A, 806-941MHz	3.00	60	869.0000	42.0	42.0	CW	E	1.140	PF	2	0.015	0.019	0.033	0.5	0.025	0.013	0.013
Roof	HAF4037A, 806-941MHz	3.00	60	896.0000	36.0	36.0	CW	E	1.110	PF	2	0.026	0.016	0.040	0.5	0.030	0.015	0.015
Roof	HAF4037A, 806-941MHz	3.00	60	898.5000	36.0	36.0	CW	E	1.100	PF	2	0.019	0.016	0.034	0.5	0.025	0.013	0.013
Roof	HAF4037A, 806-941MHz	3.00	60	900.0000	36.0	36.0	CW	E	1.100	PF	2	0.011	0.024	0.028	0.5	0.023	0.012	0.012
Roof	HAF4037A, 806-941MHz	3.00	60	935.0000	36.0	36.0	CW	E	1.070	PF	2	0.021	0.026	0.015	0.5	0.022	0.011	0.011
Roof	HAF4037A, 806-941MHz	3.00	60	937.5000	36.0	36.0	CW	E	1.060	PF	2	0.016	0.020	0.010	0.5	0.016	0.008	0.008
Roof	HAF4037A, 806-941MHz	3.00	60	939.0000	36.0	36.0	CW	E	1.060	PF	2	0.026	0.020	0.013	0.5	0.021	0.010	0.010
Roof	HAF4037A, 806-941MHz	3.00	20	901.5000	4.0	4.0	CW	E	1.060	PF	2	0.001	0.002	0.002	0.5	0.002	0.001	0.001
Roof	HAF4037A, 806-941MHz	3.00	20	940.5000	4.0	4.0	CW	E	1.100	PF	2	0.002	0.001	0.001	0.5	0.001	0.001	0.001

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	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	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	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	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	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	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	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	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	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	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	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	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.		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				
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)
<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	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)
(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	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> )
(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	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.		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				
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/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	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.			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	E	1.02	PF	0.011	0.015	0.015	1.0	0.014	0.01	0.014
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.			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	H	0.88	PF	0.03	0.028	0.022	1.0	0.027	0.02	0.021
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.