



DECLARATION OF COMPLIANCE: MPE ASSESSMENT Part 2 of 2

Motorola Solutions Inc. EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	Date of Report: 1/28/2022 Report Revision: B
--	---

Responsible Engineer: Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer)
Report author: Alfred Hoe Kean Loon (EME Engineer)
Date(s) Tested: 2/17/2017-3/17/2017; 3/04/2021-3/11/2021
Manufacturer: Motorola Solutions Inc.
Date submitted for test: 01/13/2017; 02/22/2021
DUT Description: APX 6500 UHF R2 - Multiple HW Encryption WiFi Interoperability Data Modem Tethering via WiFi or Cable
Companion Device: DVR VHF (136-174 MHz), Digital Vehicular Repeater
Test TX mode(s): CW
Max. Power output: APX 6500 UHF R2: 54W (450-485 MHz); 48W (485-512 MHz); 30W (512-520 MHz); 11.2 mW (Bluetooth); 6.3 mW (Bluetooth LE); 39.8 mW (WLAN 2.4GHz 802.11b), 15.8 mW (WLAN 2.4GHz 802.11g), 12.6mW (WLAN 2.4GHz 802.11n); 15.8mW (WLAN 5GHz 802.11a/n/ac)
Companion Device: 6W (DVR VHF)
TX Frequency Bands: APX 6500 UHF R2: 450-520 MHz; WLAN 2412-2462 MHz; WLAN 5180-5825 MHz; BT/BT LE 2402-2480 MHz
Companion Device: 136-174 MHz
Signaling type: FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz)
Model(s) Tested: APX 6500 UHF R2: M25SSS9PW1BN
Companion Device: MOBEXCOM DVRS VHF (DQPM DVRS3000P)
Model(s) Certified: M25SSS9PW1BN (PMUE5756A), M22SSS9PW1BN (PMUE5756A), M24SSS9PW1BN (PMUE5756A), M36SSS9PW1BN (PMUE5756A), MOBEXCOM DVRS VHF (DQPM DVRS3000P)
Serial Number(s): 471TXD0188 (APX 6500 UHF R2), 16082232 (DVR VHF)
Classification: Occupational/Controlled Environment
FCC ID: APX 6500 UHF R2: AZ492FT4967 (450-512 MHz, 2402-2480 MHz, 2412-2462 MHz; 5180-5825 MHz)
Companion Device: LO6-DVRSVHF (150.8-173.4MHz)
IC: APX 6500 UHF R2: 109U-92FT4967
Companion Device: 2098-DVRSVHF
 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
 This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified.

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

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 4.0 of this report (no deviation from standard methods). This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc. EME Laboratory.

I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements.

This reporting format is consistent with the suggested guidelines of the TIA TSB-159 April 2006

The results and statements contained in this report pertain only to the device(s) evaluated herein.


Saw Sun Hock (Approve Signatory)
Approval Date: 1/28/2022

Appendix D – MPE Test Results Summary for APX 6500 UHF R2**Table D.1**

MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	%To FCC Spec Limit	ICNIRP Limit	%To ICNIRP Spec Limit	ISED Limit	%To ISED Spec Limit
Roof	BS1	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.04	0.30	13.6	0.23	18.1	0.17	23.9
						53.3	460.0000	0.04	0.31	14.4	0.23	19.2	0.17	25.5
						53.5	469.9875	0.04	0.31	13.5	0.23	18.0	0.18	24.1
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.03	0.30	8.4	0.23	11.2	0.17	14.8
						53.3	460.0000	0.04	0.31	12.2	0.23	16.2	0.17	21.6
						53.5	469.9875	0.03	0.31	9.2	0.23	12.2	0.18	16.4
			3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.04	0.30	14.3	0.23	19.0	0.17	25.1
						53.3	460.0000	0.04	0.31	14.2	0.23	18.9	0.17	25.2
						53.5	469.9875	0.04	0.31	13.6	0.23	18.2	0.18	24.4
			4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.03	0.30	11.6	0.23	15.5	0.17	20.4
						53.5	469.9875	0.04	0.31	11.6	0.23	15.5	0.18	20.8
						53.8	482.5000	0.03	0.32	10.8	0.24	14.4	0.18	19.4
						47.5	496.5000	0.03	0.33	8.2	0.25	11.0	0.18	15.0
						47.6	511.9875	0.02	0.34	6.4	0.26	8.5	0.19	11.7
			5	HAE6031A, 380- 520MHz	54.0	52.4	450.0125	0.04	0.30	14.7	0.23	19.7	0.17	26.0
						53.5	469.9875	0.04	0.31	14.0	0.23	18.7	0.18	25.0
						53.8	482.5000	0.04	0.32	13.7	0.24	18.2	0.18	24.6
						47.5	496.5000	0.04	0.33	10.6	0.25	14.1	0.18	19.2
						47.6	511.9875	0.03	0.34	9.1	0.26	12.1	0.19	16.7
						29.9	519.9875	0.02	0.35	6.7	0.26	8.9	0.19	12.4
			6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.02	0.30	7.7	0.23	10.3	0.17	13.6
						53.3	460.0000	0.03	0.31	10.3	0.23	13.8	0.17	18.3
						53.5	469.9875	0.03	0.31	10.7	0.23	14.3	0.18	19.1

Table D.1(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.03	0.33	8.1	0.25	10.8	0.18	14.7
						47.8	503.0000	0.02	0.34	6.6	0.25	8.8	0.18	12.1
						47.6	511.9875	0.02	0.34	6.5	0.26	8.7	0.19	11.9
Roof	BS2	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.03	0.30	10.2	0.23	13.6	0.17	18.0
						53.3	460.0000	0.04	0.31	12.2	0.23	16.3	0.17	21.7
						53.5	469.9875	0.03	0.31	8.6	0.23	11.5	0.18	15.4
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.02	0.30	7.8	0.23	10.4	0.17	13.7
						53.3	460.0000	0.04	0.31	11.7	0.23	15.6	0.17	20.7
						53.5	469.9875	0.02	0.31	6.8	0.23	9.1	0.18	12.2
			3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.03	0.30	11.0	0.23	14.7	0.17	19.4
						53.3	460.0000	0.04	0.31	13.4	0.23	17.8	0.17	23.7
						53.5	469.9875	0.03	0.31	10.0	0.23	13.4	0.18	17.9
			4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.03	0.30	9.1	0.23	12.2	0.17	16.1
						53.5	469.9875	0.03	0.31	9.2	0.23	12.3	0.18	16.5
						53.8	482.5000	0.03	0.32	10.0	0.24	13.4	0.18	18.1
						47.5	496.5000	0.02	0.33	7.5	0.25	9.9	0.18	13.5
						47.6	511.9875	0.02	0.34	6.2	0.26	8.2	0.19	11.3
			5	HAE6031A, 380- 520MHz	54.0	52.4	450.0125	0.03	0.30	11.3	0.23	15.1	0.17	20.0
						53.5	469.9875	0.03	0.31	10.6	0.23	14.1	0.18	18.8
						53.8	482.5000	0.03	0.32	10.2	0.24	13.6	0.18	18.3
						47.5	496.5000	0.03	0.33	9.3	0.25	12.4	0.18	16.9
						47.6	511.9875	0.03	0.34	8.1	0.26	10.8	0.19	14.8
						29.9	519.9875	0.02	0.35	5.9	0.26	7.8	0.19	10.8

Table D.1(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS2	E	6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.03	0.30	8.4	0.23	11.2	0.17	14.8
						53.3	460.0000	0.04	0.31	11.9	0.23	15.8	0.17	21.0
						53.5	469.9875	0.02	0.31	7.7	0.23	10.3	0.18	13.8
			7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.02	0.33	7.4	0.25	9.9	0.18	13.5
						47.8	503.0000	0.02	0.34	5.8	0.25	7.8	0.18	10.6
						47.6	511.9875	0.03	0.34	7.7	0.26	10.2	0.19	14.1
Roof	BS3	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.02	0.30	7.9	0.23	10.5	0.17	13.9
						53.3	460.0000	0.02	0.31	7.3	0.23	9.7	0.17	13.0
						53.5	469.9875	0.02	0.31	5.7	0.23	7.6	0.18	10.2
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.02	0.30	5.6	0.23	7.5	0.17	9.9
						53.3	460.0000	0.02	0.31	6.0	0.23	7.9	0.17	10.6
						53.5	469.9875	0.01	0.31	4.5	0.23	6.0	0.18	8.1
			3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.03	0.30	9.2	0.23	12.2	0.17	16.1
						53.3	460.0000	0.02	0.31	8.1	0.23	10.7	0.17	14.3
						53.5	469.9875	0.02	0.31	7.3	0.23	9.7	0.18	13.0
			4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.02	0.30	6.9	0.23	9.3	0.17	12.2
						53.5	469.9875	0.02	0.31	6.0	0.23	8.1	0.18	10.8
						53.8	482.5000	0.02	0.32	7.0	0.24	9.3	0.18	12.6
						47.5	496.5000	0.02	0.33	6.7	0.25	9.0	0.18	12.2
						47.6	511.9875	0.02	0.34	4.6	0.26	6.1	0.19	8.4

Table D.1(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS3	E	5	HAE6031A, 380-520MHz	54.0	52.4	450.0125	0.03	0.30	9.9	0.23	13.2	0.17	17.5
						53.5	469.9875	0.02	0.31	7.4	0.23	9.9	0.18	13.3
						53.8	482.5000	0.02	0.32	7.4	0.24	9.8	0.18	13.3
						47.5	496.5000	0.03	0.33	7.8	0.25	10.4	0.18	14.2
						47.6	511.9875	0.02	0.34	6.4	0.26	8.5	0.19	11.7
						29.9	519.9875	0.02	0.35	5.6	0.26	7.5	0.19	10.3
			6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.5	0.23	6.0	0.17	7.9
						53.3	460.0000	0.02	0.31	6.1	0.23	8.1	0.17	10.8
						53.5	469.9875	0.02	0.31	4.8	0.23	6.4	0.18	8.6
			7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.01	0.33	3.5	0.25	4.7	0.18	6.4
						47.8	503.0000	0.01	0.34	3.5	0.25	4.6	0.18	6.3
						47.6	511.9875	0.02	0.34	5.5	0.26	7.4	0.19	10.1
Roof	BS4	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.7	0.23	6.3	0.17	8.3
						53.3	460.0000	0.01	0.31	4.5	0.23	6.0	0.17	8.0
						53.5	469.9875	0.01	0.31	4.3	0.23	5.7	0.18	7.7
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.01	0.30	3.7	0.23	5.0	0.17	6.6
						53.3	460.0000	0.02	0.31	5.4	0.23	7.1	0.17	9.5
						53.5	469.9875	0.01	0.31	4.3	0.23	5.7	0.18	7.7
			3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.9	0.23	6.5	0.17	8.6
						53.3	460.0000	0.02	0.31	5.2	0.23	6.9	0.17	9.2
						53.5	469.9875	0.02	0.31	5.2	0.23	6.9	0.18	9.3

Table D.1(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS4	E	4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.01	0.30	4.0	0.23	5.3	0.17	7.0
						53.5	469.9875	0.01	0.31	2.9	0.23	3.9	0.18	5.2
						53.8	482.5000	0.01	0.32	2.3	0.24	3.1	0.18	4.1
						47.5	496.5000	0.01	0.33	2.0	0.25	2.7	0.18	3.7
						47.6	511.9875	0.01	0.34	2.6	0.26	3.5	0.19	4.8
			5	HAE6031A, 380- 520MHz	54.0	52.4	450.0125	0.02	0.30	5.7	0.23	7.6	0.17	10.0
						53.5	469.9875	0.02	0.31	5.1	0.23	6.8	0.18	9.1
						53.8	482.5000	0.01	0.32	3.9	0.24	5.1	0.18	6.9
						47.5	496.5000	0.01	0.33	4.2	0.25	5.6	0.18	7.6
						47.6	511.9875	0.02	0.34	4.4	0.26	5.9	0.19	8.1
						29.9	519.9875	0.01	0.35	2.6	0.26	3.5	0.19	4.8
			6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.4	0.23	5.9	0.17	7.8
						53.3	460.0000	0.02	0.31	5.7	0.23	7.6	0.17	10.1
						53.5	469.9875	0.02	0.31	4.9	0.23	6.5	0.18	8.7
			7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.01	0.33	2.4	0.25	3.2	0.18	4.4
						47.8	503.0000	0.01	0.34	3.0	0.25	4.0	0.18	5.5
						47.6	511.9875	0.01	0.34	3.9	0.26	5.2	0.19	7.1
Roof	BS5	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.3	0.23	5.7	0.17	7.5
						53.3	460.0000	0.01	0.31	3.5	0.23	4.7	0.17	6.3
						53.5	469.9875	0.01	0.31	3.4	0.23	4.6	0.18	6.1
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.6	0.23	6.2	0.17	8.2
						53.3	460.0000	0.01	0.31	4.0	0.23	5.3	0.17	7.1
						53.5	469.9875	0.01	0.31	3.9	0.23	5.2	0.18	6.9

Table D.1(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS5	E	3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.02	0.30	5.2	0.23	7.0	0.17	9.2
						53.3	460.0000	0.01	0.31	3.4	0.23	4.5	0.17	6.0
						53.5	469.9875	0.01	0.31	3.7	0.23	5.0	0.18	6.6
			4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.01	0.30	3.5	0.23	4.6	0.17	6.1
						53.5	469.9875	0.01	0.31	2.0	0.23	2.7	0.18	3.6
						53.8	482.5000	0.01	0.32	1.8	0.24	2.4	0.18	3.2
						47.5	496.5000	0.01	0.33	1.6	0.25	2.1	0.18	2.9
						47.6	511.9875	0.01	0.34	1.5	0.26	2.0	0.19	2.7
			5	HAE6031A, 380- 520MHz	54.0	52.4	450.0125	0.02	0.30	5.3	0.23	7.1	0.17	9.3
						53.5	469.9875	0.01	0.31	3.7	0.23	4.9	0.18	6.6
						53.8	482.5000	0.01	0.32	4.4	0.24	5.9	0.18	8.0
						47.5	496.5000	0.01	0.33	3.3	0.25	4.5	0.18	6.1
						47.6	511.9875	0.01	0.34	3.0	0.26	4.0	0.19	5.5
						29.9	519.9875	0.01	0.35	2.2	0.26	3.0	0.19	4.1
			6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.01	0.30	4.2	0.23	5.6	0.17	7.4
						53.3	460.0000	0.01	0.31	4.0	0.23	5.4	0.17	7.2
						53.5	469.9875	0.02	0.31	5.2	0.23	6.9	0.18	9.3
			7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.01	0.33	3.6	0.25	4.7	0.18	6.5
						47.8	503.0000	0.01	0.34	2.0	0.25	2.6	0.18	3.6
						47.6	511.9875	0.01	0.34	3.6	0.26	4.9	0.19	6.7

Table D.2**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Passenger Back**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PB	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.04	0.30	14.4	0.23	19.3	0.17	25.4
						53.3	460.0000	0.04	0.31	14.0	0.23	18.6	0.17	24.8
						53.5	469.9875	0.04	0.31	13.7	0.23	18.2	0.18	24.4
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.00	0.30	1.3	0.23	1.8	0.17	2.4
						53.3	460.0000	0.00	0.31	1.5	0.23	2.0	0.17	2.6
						53.5	469.9875	0.01	0.31	1.9	0.23	2.5	0.18	3.3
			3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.05	0.30	16.3	0.23	21.7	0.17	28.6
						53.3	460.0000	0.05	0.31	16.6	0.23	22.2	0.17	29.5
						53.5	469.9875	0.05	0.31	15.1	0.23	20.1	0.18	26.9
			4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.04	0.30	13.0	0.23	17.3	0.17	22.9
						53.5	469.9875	0.03	0.31	10.8	0.23	14.4	0.18	19.3
						53.8	482.5000	0.05	0.32	15.7	0.24	20.9	0.18	28.3
						47.5	496.5000	0.02	0.33	5.0	0.25	6.6	0.18	9.0
						47.6	511.9875	0.01	0.34	3.7	0.26	5.0	0.19	6.8
			5	HAE6031A, 380- 520MHz	54.0	52.4	450.0125	0.05	0.30	16.4	0.23	21.9	0.17	29.0
						53.5	469.9875	0.05	0.31	17.3	0.23	23.1	0.18	31.0
						53.8	482.5000	0.05	0.32	16.5	0.24	22.0	0.18	29.7
						47.5	496.5000	0.02	0.33	7.4	0.25	9.9	0.18	13.5
						47.6	511.9875	0.02	0.34	5.0	0.26	6.6	0.19	9.1
						29.9	519.9875	0.01	0.35	3.3	0.26	4.5	0.19	6.2
			6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.00	0.30	1.3	0.23	1.8	0.17	2.4
						53.3	460.0000	0.01	0.31	3.5	0.23	4.7	0.17	6.3
						53.5	469.9875	0.01	0.31	2.4	0.23	3.2	0.18	4.3
			7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.00	0.33	0.8	0.25	1.1	0.18	1.5
						47.8	503.0000	0.00	0.34	1.2	0.25	1.5	0.18	2.1
						47.6	511.9875	0.00	0.34	0.7	0.26	1.0	0.19	1.4

Table D.2(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Passenger Front**

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk/ Roof	Test Position	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm ²)	FCC Limit	% To FCC Spec Limit	ICNIRP Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	E	1	HAE4003A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.02	0.30	8.1	0.23	10.8	0.17	14.2
						53.3	460.0000	0.02	0.31	5.7	0.23	7.6	0.17	10.1
						53.5	469.9875	0.02	0.31	6.6	0.23	8.7	0.18	11.7
			2	HAE4011A, 450 MHz - 470 MHz	54.0	52.4	450.0125	0.00	0.30	1.2	0.23	1.5	0.17	2.0
						53.3	460.0000	0.00	0.31	0.6	0.23	0.9	0.17	1.1
						53.5	469.9875	0.00	0.31	0.9	0.23	1.2	0.18	1.6
			3	HAE6013A, 380 MHz - 470 MHz	54.0	52.4	450.0125	0.02	0.30	6.3	0.23	8.3	0.17	11.0
						53.3	460.0000	0.02	0.31	6.7	0.23	9.0	0.17	11.9
						53.5	469.9875	0.03	0.31	8.3	0.23	11.1	0.18	14.9
			4	HAE6016A, 450 MHz - 512 MHz	54.0	52.4	450.0125	0.02	0.30	5.0	0.23	6.7	0.17	8.9
						53.5	469.9875	0.02	0.31	6.1	0.23	8.2	0.18	11.0
						53.8	482.5000	0.02	0.32	7.2	0.24	9.6	0.18	13.0
						47.5	496.5000	0.01	0.33	4.3	0.25	5.8	0.18	7.9
						47.6	511.9875	0.02	0.34	6.2	0.26	8.3	0.19	11.4
			5	HAE6031A, 380- 520MHz	54.0	52.4	450.0125	0.02	0.30	5.0	0.23	6.7	0.17	8.9
						53.5	469.9875	0.03	0.31	9.9	0.23	13.2	0.18	17.7
						53.8	482.5000	0.02	0.32	6.7	0.24	9.0	0.18	12.1
						47.5	496.5000	0.02	0.33	7.0	0.25	9.4	0.18	12.8
						47.6	511.9875	0.02	0.34	6.1	0.26	8.1	0.19	11.1
						29.9	519.9875	0.01	0.35	3.4	0.26	4.6	0.19	6.4
			6	RAE4014ARB, 445 - 470 MHz	54.0	52.4	450.0125	0.00	0.30	0.7	0.23	0.9	0.17	1.2
						53.3	460.0000	0.00	0.31	0.7	0.23	0.9	0.17	1.3
						53.5	469.9875	0.00	0.31	1.2	0.23	1.5	0.18	2.1
			7	RAE4016ARB, 494 MHz - 512MHz	48.0	47.1	494.9875	0.00	0.33	0.9	0.25	1.2	0.18	1.6
						47.8	503.0000	0.01	0.34	1.5	0.25	2.0	0.18	2.7
						47.6	511.9875	0.01	0.34	1.5	0.26	2.1	0.19	2.8

Table D.3**APX 6500 UHF R2 MPE Result for FCC**

Note:

Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 54, 48 and 30

P initial (W)

FCC Limit (mW/cm^2)

Test Pos	Angle	Trunk/ Roof	E/H Field	Antenna no.	f1	f2	f3	f4	f5	f6	f7	f8	f9
					450.0125	460.0000	469.9875	482.5000	494.9875	496.5000	503.0000	511.9875	519.9875
BS1	0	Roof	E	1	0.04	0.04	0.04						
BS1	0	Roof	E	2	0.03	0.04	0.03						
BS1	0	Roof	E	3	0.04	0.04	0.04						
BS1	0	Roof	E	4	0.03		0.04	0.03		0.03		0.02	
BS1	0	Roof	E	5	0.044		0.04	0.04		0.04		0.03	0.02
BS1	0	Roof	E	6	0.02	0.03	0.03						
BS1	0	Roof	E	7					0.03		0.02	0.02	
BS2	0	Roof	E	1	0.03	0.04	0.03						
BS2	0	Roof	E	2	0.02	0.04	0.02						
BS2	0	Roof	E	3	0.03	0.04	0.03						
BS2	0	Roof	E	4	0.03		0.03	0.03		0.02		0.02	
BS2	0	Roof	E	5	0.03		0.03	0.03		0.03		0.03	0.02
BS2	0	Roof	E	6	0.03	0.04	0.02						
BS2	0	Roof	E	7					0.02		0.02	0.03	
BS3	0	Roof	E	1	0.02	0.02	0.02						
BS3	0	Roof	E	2	0.02	0.02	0.01						
BS3	0	Roof	E	3	0.03	0.02	0.02						
BS3	0	Roof	E	4	0.02		0.02	0.02		0.02		0.02	
BS3	0	Roof	E	5	0.03		0.02	0.02		0.03		0.02	0.02
BS3	0	Roof	E	6	0.01	0.02	0.02						
BS3	0	Roof	E	7					0.01		0.01	0.02	
BS4	0	Roof	E	1	0.01	0.01	0.01						
BS4	0	Roof	E	2	0.01	0.02	0.01						
BS4	0	Roof	E	3	0.01	0.02	0.02						
BS4	0	Roof	E	4	0.01		0.01	0.01		0.01		0.01	
BS4	0	Roof	E	5	0.02		0.02	0.01		0.01		0.02	0.01
BS4	0	Roof	E	6	0.01	0.02	0.02						
BS4	0	Roof	E	7					0.01		0.01	0.01	
BS5	0	Roof	E	1	0.01	0.01	0.01						
BS5	0	Roof	E	2	0.01	0.01	0.01						
BS5	0	Roof	E	3	0.02	0.01	0.01						
BS5	0	Roof	E	4	0.01		0.01	0.01		0.01		0.01	
BS5	0	Roof	E	5	0.02		0.01	0.01		0.01		0.01	0.01
BS5	0	Roof	E	6	0.01	0.01	0.02						
BS5	0	Roof	E	7					0.01		0.01	0.01	
PB	0	Roof	E	1	0.04	0.04	0.04						
PB	0	Roof	E	2	0	0	0.01						
PB	0	Roof	E	3	0.05	0.05	0.05						
PB	0	Roof	E	4	0.04		0.03	0.05		0.02		0.01	
PB	0	Roof	E	5	0.05		0.05	0.05		0.02		0.02	0.01
PB	0	Roof	E	6	0	0.01	0.01						
PB	0	Roof	E	7					0		0	0	
PF	0	Roof	E	1	0.02	0.02	0.02						
PF	0	Roof	E	2	0	0	0						
PF	0	Roof	E	3	0.02	0.02	0.03						
PF	0	Roof	E	4	0.02		0.02	0.02		0.01		0.02	
PF	0	Roof	E	5	0.02		0.03	0.02		0.02		0.02	0.01
PF	0	Roof	E	6	0	0	0						
PF	0	Roof	E	7					0		0.01	0.01	

Appendix E – MPE Test Results Summary for Companion Device (DVR VHF)**Table E.1**

MPE assessment for DVR VHF - trunk mounted antenna – Bystander

Note:

Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm ²)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS1	E	15	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	15	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	15	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	15	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	15	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	15	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	15	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	15	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	15	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	15	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	16	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	16	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	16	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 ²)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS2	H	16	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	16	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	16	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	16	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	16	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	16	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	16	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	17	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	17	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	17	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	17	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 ²)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS3	E	17	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	21.0	0.13	32.5
Trunk	BS3	H	17	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	17	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	17	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	17	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	17	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	18	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	18	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	18	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 ²)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS2	H	18	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	18	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	18	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	18	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	18	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	18	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	18	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 Back**

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 ²)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	PB	E	15	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	15	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	16	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	16	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	17	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	114.8	0.13	177.9
Trunk	PB	H	17	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	18	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	18	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 Front**

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 ²)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	PF	E	15	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	15	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	16	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	16	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	17	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	17	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	18.0	0.13	27.8
						5.88	162.0000	0.035	0.20	17.4	0.13	27.0
Trunk	PF	E	18	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	18	HAD4009A, 1/4 Wave (162-174MHz)	6.0	5.88	162.0000	0.028	0.20	14.0	0.13	21.6
						5.95	167.7000	0.033	0.20	16.5	0.13	25.6
						5.91	173.4000	0.021	0.20	10.6	0.13	16.4

Table E.3
DVR VHF MPE Results for FCC

Note:

Blue fonts: Frequencies not regulated by FCC.

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

Table	Test Post.	Angle	Trunk / Roof	E/H Field	Antenna No.	f1	f2	f3	f4	f5	f6	f7
						140.0000	144.0000	150.8000	156.4000	162.0000	167.7000	173.4000
E.1	BS1		Trunk	E	15	0.013	0.012					
E 1	BS1		Trunk	H	15	0.012	0.010					
E.1	BS2		Trunk	E	15	0.020	0.015					
E 1	BS2		Trunk	H	15	0.019	0.019					
E.1	BS3		Trunk	E	15	0.029	0.026					
E 1	BS3		Trunk	H	15	0.023	0.015					
E.1	BS4		Trunk	E	15	0.027	0.025					
E 1	BS4		Trunk	H	15	0.022	0.017					
E.1	BS5		Trunk	E	15	0.019	0.021					
E 1	BS5		Trunk	H	15	0.018	0.019					
E.1	BS1		Trunk	E	16		0.015	0.006				
E 1	BS1		Trunk	H	16		0.010	0.012				
E.1	BS2		Trunk	E	16		0.017	0.012				
E 1	BS2		Trunk	H	16		0.018	0.015				
E.1	BS3		Trunk	E	16		0.028	0.029				
E 1	BS3		Trunk	H	16		0.016	0.024				
E.1	BS4		Trunk	E	16		0.027	0.034				
E 1	BS4		Trunk	H	16		0.017	0.027				
E.1	BS5		Trunk	E	16		0.022	0.015				
E 1	BS5		Trunk	H	16		0.019	0.019				
E.1	BS1		Trunk	E	17			0.007	0.005	0.005		
E 1	BS1		Trunk	H	17			0.012	0.011	0.013		
E.1	BS2		Trunk	E	17			0.011	0.016	0.022		
E 1	BS2		Trunk	H	17			0.013	0.015	0.017		
E.1	BS3		Trunk	E	17			0.027	0.035	0.042		
E 1	BS3		Trunk	H	17			0.021	0.016	0.027		
E.1	BS4		Trunk	E	17			0.030	0.028	0.041		
E 1	BS4		Trunk	H	17			0.027	0.023	0.029		
E.1	BS5		Trunk	E	17			0.014	0.020	0.020		
E 1	BS5		Trunk	H	17			0.019	0.021	0.022		
E.1	BS1		Trunk	E	18					0.005	0.004	0.007
E 1	BS1		Trunk	H	18					0.010	0.010	0.011
E.1	BS2		Trunk	E	18					0.015	0.019	0.014
E 1	BS2		Trunk	H	18					0.015	0.013	0.013
E.1	BS3		Trunk	E	18					0.029	0.040	0.033
E 1	BS3		Trunk	H	18					0.020	0.027	0.026
E.1	BS4		Trunk	E	18					0.029	0.041	0.034
E 1	BS4		Trunk	H	18					0.020	0.031	0.031
E.1	BS5		Trunk	E	18					0.014	0.020	0.012
E 1	BS5		Trunk	H	18					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^2)	0.20	0.20	0.20	0.20	0.20	0.20	0.54

Table	Test Post.	Angle	Trunk / Roof	E/H Field	Antenna No.	f1 140.0000	f2 144.0000	f3 150.8000	f4 156.4000	f5 162.0000	f6 167.7000	f7 173.4000
E 2	PB		Trunk	E	15	0.196	0.168					
E 2	PB		Trunk	H	15	0.011	0.093					
E .2	PB		Trunk	E	16		0.146	0.103				
E .2	PB		Trunk	H	16		0.074	0.096				
E .2	PB		Trunk	E	17			0.098	0.137	0.230		
E .2	PB		Trunk	H	17			0.076	0.142	0.175		
E .2	PB		Trunk	E	18					0.172	0.161	0.185
E .2	PB		Trunk	H	18					0.119	0.159	0.093
E .2	PF		Trunk	E	15	0.014	0.018					
E .2	PF		Trunk	H	15	0.021	0.024					
E .2	PF		Trunk	E	16		0.021	0.023				
E .2	PF		Trunk	H	16		0.025	0.029				
E .2	PF		Trunk	E	17			0.025	0.033	0.033		
E .2	PF		Trunk	H	17			0.028	0.036	0.035		
E .2	PF		Trunk	E	18					0.023	0.024	0.027
E .2	PF		Trunk	H	18					0.028	0.033	0.021

Appendix F – MPE Measurement Result for APX 6500 UHF R2

Table F.1

MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander

D.U.T. Info.										Probe Info.		MPE Measurements												DUT Max. TX Factor	Avg. over Body (mW/cm ²)	Calc. P.D. (mW/cm ²)	Max Calc. P.D. (mW/cm ²)
(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.	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	HAER4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS1	2	0.009	0.013	0.017	0.021	0.031	0.060	0.099	0.139	0.165	0.192	0.5	0.079	0.040	0.040		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	BS1	2	0.010	0.010	0.019	0.028	0.038	0.071	0.099	0.136	0.183	0.221	0.5	0.087	0.044	0.040		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS1	2	0.015	0.019	0.018	0.023	0.045	0.068	0.099	0.140	0.172	0.180	0.5	0.084	0.042	0.040		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS2	2	0.016	0.019	0.022	0.023	0.029	0.033	0.055	0.085	0.128	0.150	0.5	0.059	0.030	0.030		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	BS2	2	0.016	0.016	0.019	0.023	0.031	0.050	0.084	0.119	0.160	0.175	0.5	0.074	0.037	0.040		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS2	2	0.011	0.013	0.019	0.018	0.034	0.042	0.066	0.075	0.106	0.113	0.5	0.054	0.027	0.030		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS3	2	0.020	0.021	0.025	0.031	0.031	0.036	0.042	0.069	0.076	0.082	0.5	0.046	0.023	0.020		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	BS3	2	0.012	0.015	0.022	0.029	0.033	0.041	0.047	0.058	0.073	0.084	0.5	0.044	0.022	0.020		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS3	2	0.010	0.016	0.020	0.026	0.027	0.027	0.032	0.043	0.060	0.069	0.5	0.036	0.018	0.020		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS4	2	0.015	0.014	0.012	0.020	0.027	0.033	0.031	0.028	0.032	0.046	0.5	0.027	0.014	0.010		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	BS4	2	0.014	0.015	0.014	0.019	0.027	0.035	0.039	0.031	0.027	0.034	0.5	0.027	0.014	0.010		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS4	2	0.011	0.011	0.009	0.019	0.032	0.036	0.035	0.025	0.027	0.043	0.5	0.027	0.013	0.010		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS5	2	0.002	0.005	0.006	0.010	0.020	0.030	0.036	0.039	0.039	0.047	0.5	0.025	0.012	0.010		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	BS5	2	0.003	0.006	0.005	0.008	0.016	0.024	0.033	0.032	0.035	0.038	0.5	0.021	0.011	0.010		
Roof	HAER4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS5	2	0.001	0.002	0.006	0.013	0.020	0.031	0.031	0.029	0.030	0.035	0.5	0.021	0.011	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS1	2	0.009	0.012	0.014	0.018	0.027	0.051	0.084	0.117	0.137	0.167	0.5	0.067	0.034	0.030		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS1	2	0.012	0.015	0.015	0.021	0.041	0.056	0.082	0.110	0.151	0.167	0.5	0.072	0.036	0.040		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	BS1	2	0.008	0.011	0.017	0.027	0.044	0.077	0.100	0.105	0.116	0.131	0.5	0.069	0.035	0.030		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.100	BS1	2	0.007	0.007	0.016	0.024	0.038	0.049	0.074	0.086	0.088	0.102	0.5	0.054	0.027	0.030		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.100	BS1	2	0.009	0.012	0.020	0.022	0.029	0.031	0.041	0.060	0.082	0.084	0.5	0.043	0.021	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS2	2	0.016	0.019	0.016	0.017	0.023	0.028	0.045	0.081	0.121	0.136	0.5	0.053	0.027	0.030		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS2	2	0.014	0.014	0.012	0.017	0.021	0.041	0.065	0.105	0.122	0.122	0.5	0.057	0.029	0.030		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	BS2	2	0.007	0.016	0.020	0.025	0.037	0.048	0.081	0.085	0.120	0.153	0.5	0.064	0.032	0.030		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.100	BS2	2	0.006	0.009	0.008	0.014	0.022	0.033	0.047	0.070	0.104	0.131	0.5	0.049	0.024	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.100	BS2	2	0.005	0.002	0.008	0.010	0.014	0.031	0.052	0.074	0.086	0.096	0.5	0.042	0.021	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS3	2	0.018	0.018	0.022	0.026	0.027	0.034	0.030	0.059	0.071	0.076	0.5	0.040	0.020	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS3	2	0.011	0.015	0.019	0.025	0.028	0.031	0.032	0.043	0.066	0.078	0.5	0.037	0.019	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	BS3	2	0.010	0.013	0.022	0.028	0.035	0.039	0.040	0.057	0.075	0.094	0.5	0.045	0.022	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.100	BS3	2	0.012	0.013	0.019	0.022	0.032	0.045	0.055	0.062	0.066	0.075	0.5	0.044	0.022	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.100	BS3	2	0.012	0.013	0.013	0.012	0.014	0.019	0.025	0.043	0.064	0.066	0.5	0.031	0.015	0.020		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS4	2	0.013	0.014	0.012	0.018	0.023	0.027	0.025	0.026	0.026	0.034	0.5	0.023	0.012	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS4	2	0.009	0.009	0.007	0.015	0.018	0.020	0.022	0.018	0.020	0.031	0.5	0.018	0.009	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	BS4	2	0.008	0.008	0.008	0.012	0.017	0.018	0.017	0.014	0.014	0.019	0.5	0.015	0.007	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.100	BS4	2	0.007	0.006	0.007	0.010	0.012	0.013	0.012	0.012	0.019	0.022	0.5	0.013	0.007	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.100	BS4	2	0.010	0.010	0.012	0.015	0.016	0.015	0.014	0.016	0.020	0.033	0.5	0.018	0.009	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	BS5	2	0.001	0.003	0.006	0.009	0.018	0.025	0.030	0.030	0.032	0.036	0.5	0.020	0.010	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	BS5	2	0.001	0.002	0.003	0.005	0.009	0.013	0.021	0.021	0.019	0.022	0.5	0.012	0.006	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	BS5	2	0.001	0.004	0.005	0.006	0.006	0.008	0.009	0.014	0.021	0.032	0.5	0.012	0.006	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.100	BS5	2	0.001	0.001	0.003	0.003	0.007	0.010	0.011	0.011	0.017	0.030	0.5	0.010	0.005	0.010		
Roof	HAER6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.100	BS5	2	0.001	0.001	0.002	0.004	0.008	0.011	0.012	0.013	0.015	0.023	0.5	0.010	0.005	0.010		

Table F.1 (Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – 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	HAE4011A, 450 MHz - 470 MHz	5.65	90	450.0125	54.0	52.4	CW	E	1.060	BS1	2	0.001	0.001	0.006	0.013	0.024	0.043	0.065	0.096	0.110	0.101	0.5	0.049	0.024	0.030
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	460.0000	54.0	53.3	CW	E	1.070	BS1	2	0.002	0.004	0.006	0.014	0.026	0.052	0.099	0.134	0.175	0.178	0.5	0.074	0.037	0.040
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	469.9875	54.0	53.5	CW	E	1.080	BS1	2	0.002	0.003	0.004	0.005	0.014	0.032	0.064	0.111	0.146	0.147	0.5	0.057	0.028	0.030
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	450.0125	54.0	52.4	CW	E	1.060	BS2	2	0.003	0.004	0.008	0.014	0.022	0.032	0.054	0.080	0.103	0.107	0.5	0.045	0.023	0.020
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	460.0000	54.0	53.3	CW	E	1.070	BS2	2	0.003	0.006	0.008	0.012	0.027	0.050	0.087	0.130	0.174	0.165	0.5	0.071	0.035	0.040
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	469.9875	54.0	53.5	CW	E	1.080	BS2	2	0.001	0.002	0.004	0.006	0.011	0.022	0.049	0.081	0.110	0.107	0.5	0.042	0.021	0.020
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	450.0125	54.0	52.4	CW	E	1.060	BS3	2	0.006	0.010	0.012	0.017	0.024	0.033	0.042	0.055	0.057	0.051	0.5	0.033	0.016	0.020
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	460.0000	54.0	53.3	CW	E	1.070	BS3	2	0.007	0.008	0.012	0.014	0.019	0.022	0.048	0.064	0.073	0.070	0.5	0.036	0.018	0.020
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	469.9875	54.0	53.5	CW	E	1.080	BS3	2	0.003	0.004	0.007	0.012	0.020	0.024	0.028	0.042	0.057	0.063	0.5	0.028	0.014	0.010
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	450.0125	54.0	52.4	CW	E	1.060	BS4	2	0.006	0.009	0.014	0.018	0.024	0.023	0.024	0.026	0.029	0.032	0.5	0.022	0.011	0.010
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	460.0000	54.0	53.3	CW	E	1.070	BS4	2	0.009	0.013	0.017	0.024	0.033	0.032	0.036	0.038	0.046	0.055	0.5	0.032	0.016	0.020
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	469.9875	54.0	53.5	CW	E	1.080	BS4	2	0.004	0.006	0.007	0.012	0.017	0.026	0.031	0.038	0.049	0.057	0.5	0.027	0.013	0.010
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	450.0125	54.0	52.4	CW	E	1.060	BS5	2	0.003	0.005	0.009	0.014	0.022	0.034	0.038	0.039	0.041	0.050	0.5	0.027	0.014	0.010
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	460.0000	54.0	53.3	CW	E	1.070	BS5	2	0.001	0.004	0.006	0.009	0.016	0.027	0.033	0.036	0.041	0.054	0.5	0.024	0.012	0.010
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	90	469.9875	54.0	53.5	CW	E	1.080	BS5	2	0.002	0.003	0.002	0.006	0.016	0.026	0.034	0.039	0.043	0.053	0.5	0.024	0.012	0.010

Table F.1 (Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – 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.	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	HA66013A, 380 MHz - 470 MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS1	2	0.010	0.013	0.019	0.022	0.038	0.058	0.104	0.145	0.173	0.201	0.5	0.083	0.042	0.040			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	460.0000	54.0	53.3	CW	E	1.070	BS1	2	0.007	0.012	0.021	0.031	0.046	0.067	0.102	0.135	0.182	0.201	0.5	0.086	0.043	0.040			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS1	2	0.017	0.017	0.017	0.026	0.052	0.071	0.114	0.142	0.167	0.163	0.5	0.085	0.042	0.040			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS2	2	0.014	0.019	0.023	0.025	0.035	0.041	0.060	0.088	0.141	0.159	0.5	0.064	0.032	0.030			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	460.0000	54.0	53.3	CW	E	1.070	BS2	2	0.018	0.020	0.023	0.024	0.035	0.057	0.091	0.138	0.171	0.181	0.5	0.081	0.041	0.040			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS2	2	0.012	0.013	0.013	0.017	0.026	0.050	0.083	0.111	0.130	0.124	0.5	0.062	0.031	0.030			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS3	2	0.018	0.020	0.025	0.029	0.036	0.047	0.067	0.079	0.093	0.089	0.5	0.053	0.027	0.030			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	460.0000	54.0	53.3	CW	E	1.070	BS3	2	0.016	0.020	0.027	0.027	0.034	0.046	0.048	0.062	0.079	0.097	0.5	0.049	0.024	0.020			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS3	2	0.012	0.019	0.023	0.028	0.031	0.043	0.045	0.052	0.076	0.089	0.5	0.045	0.023	0.020			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS4	2	0.013	0.018	0.017	0.025	0.033	0.036	0.031	0.027	0.026	0.043	0.5	0.029	0.014	0.010			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	460.0000	54.0	53.3	CW	E	1.070	BS4	2	0.017	0.018	0.018	0.026	0.032	0.038	0.038	0.033	0.034	0.039	0.5	0.031	0.016	0.020			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS4	2	0.011	0.013	0.011	0.021	0.036	0.039	0.038	0.037	0.040	0.054	0.5	0.032	0.016	0.020			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS5	2	0.001	0.004	0.008	0.012	0.024	0.041	0.046	0.049	0.046	0.056	0.5	0.030	0.015	0.020			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	460.0000	54.0	53.3	CW	E	1.070	BS5	2	0.003	0.007	0.007	0.012	0.016	0.030	0.035	0.031	0.024	0.028	0.5	0.021	0.010	0.010			
Roof	HA66013A, 380 MHz - 470 MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS5	2	0.001	0.003	0.006	0.012	0.021	0.027	0.033	0.032	0.039	0.040	0.5	0.023	0.012	0.010			

Table F.1 (Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – 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	HA6031A, 380-520MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS1	2	0.009	0.014	0.019	0.022	0.032	0.068	0.109	0.151	0.181	0.204	0.5	0.086	0.043	0.044				
Roof	HA6031A, 380-520MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS1	2	0.018	0.020	0.024	0.027	0.051	0.074	0.120	0.147	0.147	0.178	0.5	0.087	0.043	0.040				
Roof	HA6031A, 380-520MHz	4.15	90	482.5000	54.0	53.8	CW	E	1.090	BS1	2	0.011	0.015	0.025	0.034	0.060	0.095	0.128	0.148	0.152	0.138	0.5	0.088	0.044	0.040				
Roof	HA6031A, 380-520MHz	4.15	90	496.5000	48.0	47.5	CW	E	1.100	BS1	2	0.010	0.012	0.023	0.033	0.046	0.068	0.096	0.113	0.114	0.115	0.5	0.069	0.035	0.040				
Roof	HA6031A, 380-520MHz	4.15	90	511.9875	48.0	47.6	CW	E	1.100	BS1	2	0.009	0.014	0.026	0.034	0.046	0.056	0.074	0.101	0.108	0.091	0.5	0.062	0.031	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	519.9875	30.0	29.9	CW	E	1.100	BS1	2	0.003	0.011	0.015	0.018	0.031	0.046	0.063	0.073	0.078	0.082	0.5	0.046	0.023	0.020				
Roof	HA6031A, 380-520MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS2	2	0.015	0.019	0.022	0.025	0.040	0.040	0.060	0.094	0.142	0.165	0.5	0.066	0.033	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS2	2	0.013	0.012	0.014	0.019	0.030	0.047	0.080	0.119	0.136	0.138	0.5	0.066	0.033	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	482.5000	54.0	53.8	CW	E	1.090	BS2	2	0.009	0.010	0.013	0.030	0.045	0.056	0.079	0.097	0.121	0.140	0.5	0.065	0.033	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	496.5000	48.0	47.5	CW	E	1.100	BS2	2	0.007	0.007	0.010	0.019	0.033	0.046	0.067	0.096	0.127	0.142	0.5	0.061	0.030	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	511.9875	48.0	47.6	CW	E	1.100	BS2	2	0.009	0.003	0.009	0.013	0.023	0.041	0.061	0.100	0.116	0.122	0.5	0.055	0.027	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	519.9875	30.0	29.9	CW	E	1.100	BS2	2	0.007	0.006	0.008	0.009	0.016	0.027	0.044	0.064	0.088	0.099	0.5	0.041	0.020	0.020				
Roof	HA6031A, 380-520MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS3	2	0.019	0.024	0.029	0.035	0.038	0.057	0.070	0.086	0.093	0.094	0.5	0.058	0.029	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS3	2	0.015	0.018	0.025	0.029	0.032	0.038	0.048	0.053	0.076	0.094	0.5	0.046	0.023	0.020				
Roof	HA6031A, 380-520MHz	4.15	90	482.5000	54.0	53.8	CW	E	1.090	BS3	2	0.010	0.014	0.022	0.034	0.040	0.042	0.045	0.059	0.072	0.096	0.5	0.047	0.024	0.020				
Roof	HA6031A, 380-520MHz	4.15	90	496.5000	48.0	47.5	CW	E	1.100	BS3	2	0.014	0.018	0.025	0.030	0.037	0.044	0.054	0.066	0.084	0.094	0.5	0.051	0.026	0.030				
Roof	HA6031A, 380-520MHz	4.15	90	511.9875	48.0	47.6	CW	E	1.100	BS3	2	0.018	0.017	0.018	0.018	0.028	0.031	0.047	0.063	0.080	0.073	0.5	0.043	0.022	0.020				
Roof	HA6031A, 380-520MHz	4.15	90	519.9875	30.0	29.9	CW	E	1.100	BS3	2	0.011	0.011	0.015	0.019	0.028	0.035	0.045	0.052	0.064	0.071	0.5	0.039	0.019	0.020				

Table F.1(Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – 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	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	HA66031A, 380-520MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS4	2	0.014	0.018	0.019	0.026	0.032	0.039	0.038	0.031	0.040	0.055	0.5	0.033	0.017	0.020
Roof	HA66031A, 380-520MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS4	2	0.012	0.013	0.012	0.024	0.039	0.039	0.036	0.029	0.038	0.053	0.5	0.032	0.016	0.020
Roof	HA66031A, 380-520MHz	4.15	90	482.5000	54.0	53.8	CW	E	1.090	BS4	2	0.013	0.013	0.015	0.024	0.029	0.032	0.025	0.018	0.022	0.036	0.5	0.025	0.012	0.010
Roof	HA66031A, 380-520MHz	4.15	90	496.5000	48.0	47.5	CW	E	1.100	BS4	2	0.011	0.011	0.011	0.020	0.026	0.028	0.027	0.029	0.041	0.046	0.5	0.027	0.014	0.010
Roof	HA66031A, 380-520MHz	4.15	90	511.9875	48.0	47.6	CW	E	1.100	BS4	2	0.014	0.015	0.018	0.022	0.027	0.028	0.026	0.030	0.041	0.051	0.5	0.030	0.015	0.020
Roof	HA66031A, 380-520MHz	4.15	90	519.9875	30.0	29.9	CW	E	1.100	BS4	2	0.009	0.008	0.009	0.014	0.018	0.018	0.014	0.015	0.023	0.035	0.5	0.018	0.009	0.010
Roof	HA66031A, 380-520MHz	4.15	90	450.0125	54.0	52.4	CW	E	1.060	BS5	2	0.001	0.003	0.006	0.016	0.025	0.041	0.048	0.049	0.047	0.055	0.5	0.031	0.015	0.020
Roof	HA66031A, 380-520MHz	4.15	90	469.9875	54.0	53.5	CW	E	1.080	BS5	2	0.001	0.003	0.005	0.012	0.022	0.031	0.037	0.032	0.030	0.040	0.5	0.023	0.011	0.010
Roof	HA66031A, 380-520MHz	4.15	90	482.5000	54.0	53.8	CW	E	1.090	BS5	2	0.002	0.007	0.014	0.013	0.021	0.019	0.022	0.032	0.049	0.083	0.5	0.029	0.014	0.010
Roof	HA66031A, 380-520MHz	4.15	90	496.5000	48.0	47.5	CW	E	1.100	BS5	2	0.001	0.003	0.004	0.006	0.011	0.019	0.023	0.025	0.040	0.067	0.5	0.022	0.011	0.010
Roof	HA66031A, 380-520MHz	4.15	90	511.9875	48.0	47.6	CW	E	1.100	BS5	2	0.002	0.002	0.002	0.007	0.017	0.025	0.024	0.027	0.031	0.046	0.5	0.020	0.010	0.010
Roof	HA66031A, 380-520MHz	4.15	90	519.9875	30.0	29.9	CW	E	1.100	BS5	2	0.001	0.003	0.004	0.006	0.011	0.014	0.015	0.018	0.026	0.043	0.5	0.016	0.008	0.010
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	494.9875	48.0	47.1	CW	E	1.100	BS1	2	0.003	0.003	0.003	0.001	0.001	0.012	0.044	0.068	0.161	0.180	0.5	0.052	0.026	0.030
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	503.0000	48.0	47.8	CW	E	1.100	BS1	2	0.002	0.002	0.001	0.001	0.001	0.009	0.031	0.075	0.133	0.146	0.5	0.044	0.022	0.020
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	511.9875	48.0	47.6	CW	E	1.100	BS1	2	0.002	0.003	0.003	0.005	0.008	0.025	0.052	0.064	0.124	0.113	0.5	0.044	0.022	0.020

Table F.1 (Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

D.U.T. Info.										Probe Info.		Test Pos.	Meas. Unit	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.	Bystander (BS) Positions																
											20 cm			40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	494.9875	48.0	47.1	CW	E	1.100	BS2	2	0.001	0.001	0.001	0.001	0.003	0.010	0.037	0.081	0.135	0.168	0.5	0.048	0.024	0.020		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	503.0000	48.0	47.8	CW	E	1.100	BS2	2	0.001	0.001	0.001	0.001	0.003	0.012	0.032	0.069	0.110	0.123	0.5	0.039	0.019	0.020		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	511.9875	48.0	47.6	CW	E	1.100	BS2	2	0.001	0.001	0.001	0.002	0.006	0.025	0.055	0.095	0.138	0.147	0.5	0.052	0.026	0.030		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	494.9875	48.0	47.1	CW	E	1.100	BS3	2	0.002	0.001	0.002	0.003	0.008	0.016	0.021	0.024	0.041	0.089	0.5	0.023	0.011	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	503.0000	48.0	47.8	CW	E	1.100	BS3	2	0.001	0.002	0.003	0.004	0.006	0.010	0.020	0.038	0.057	0.068	0.5	0.023	0.012	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	511.9875	48.0	47.6	CW	E	1.100	BS3	2	0.001	0.002	0.003	0.004	0.009	0.017	0.037	0.065	0.097	0.104	0.5	0.037	0.019	0.020		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	494.9875	48.0	47.1	CW	E	1.100	BS4	2	0.001	0.002	0.003	0.003	0.005	0.012	0.019	0.027	0.035	0.036	0.5	0.016	0.008	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	503.0000	48.0	47.8	CW	E	1.100	BS4	2	0.001	0.001	0.003	0.010	0.017	0.019	0.023	0.028	0.036	0.044	0.5	0.020	0.010	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	511.9875	48.0	47.6	CW	E	1.100	BS4	2	0.004	0.006	0.009	0.009	0.014	0.019	0.031	0.038	0.053	0.056	0.5	0.026	0.013	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	494.9875	48.0	47.1	CW	E	1.100	BS5	2	0.003	0.003	0.004	0.006	0.013	0.021	0.021	0.029	0.047	0.063	0.5	0.023	0.012	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	503.0000	48.0	47.8	CW	E	1.100	BS5	2	0.001	0.001	0.002	0.003	0.006	0.009	0.014	0.020	0.029	0.034	0.5	0.013	0.007	0.010		
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	90	511.9875	48.0	47.6	CW	E	1.100	BS5	2	0.003	0.003	0.002	0.001	0.006	0.017	0.030	0.041	0.054	0.067	0.5	0.025	0.012	0.010		
Roof	RAE4014ARB, 445-470 MHz	7.15	90	450.0125	54.0	52.4	CW	E	1.060	BS1	2	0.002	0.001	0.001	0.002	0.006	0.014	0.035	0.064	0.091	0.208	0.5	0.045	0.022	0.020		
Roof	RAE4014ARB, 445-470 MHz	7.15	90	460.0000	54.0	53.3	CW	E	1.070	BS1	2	0.001	0.001	0.001	0.002	0.007	0.030	0.065	0.079	0.183	0.215	0.5	0.062	0.031	0.030		
Roof	RAE4014ARB, 445-470 MHz	7.15	90	469.9875	54.0	53.5	CW	E	1.080	BS1	2	0.003	0.003	0.002	0.002	0.007	0.024	0.069	0.131	0.188	0.188	0.5	0.066	0.033	0.030		

Table F.1 (Continued)**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Bystander**

D.U.T. Info.										Probe Info.		MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/ cm ²)	Calc. P.D. (mW/ cm ²)	Max Calc. P.D. (mW/ cm ²)
⁽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	RAE4014ARB, 445-470 MHz	7.15	90	450.0125	54.0	52.4	CW	E	1.060	BS2	2	0.002	0.002	0.001	0.001	0.005	0.013	0.036	0.077	0.144	0.181	0.5	0.049	0.025	0.030
Roof	RAE4014ARB, 445-470 MHz	7.15	90	460.0000	54.0	53.3	CW	E	1.070	BS2	2	0.001	0.001	0.002	0.005	0.013	0.031	0.075	0.141	0.193	0.210	0.5	0.072	0.036	0.040
Roof	RAE4014ARB, 445-470 MHz	7.15	90	469.9875	54.0	53.5	CW	E	1.080	BS2	2	0.001	0.001	0.003	0.005	0.010	0.024	0.044	0.090	0.128	0.139	0.5	0.048	0.024	0.020
Roof	RAE4014ARB, 445-470 MHz	7.15	90	450.0125	54.0	52.4	CW	E	1.060	BS3	2	0.001	0.001	0.002	0.004	0.007	0.015	0.025	0.044	0.065	0.083	0.5	0.026	0.013	0.010
Roof	RAE4014ARB, 445-470 MHz	7.15	90	460.0000	54.0	53.3	CW	E	1.070	BS3	2	0.001	0.002	0.003	0.006	0.011	0.020	0.041	0.065	0.096	0.100	0.5	0.037	0.018	0.020
Roof	RAE4014ARB, 445-470 MHz	7.15	90	469.9875	54.0	53.5	CW	E	1.080	BS3	2	0.002	0.002	0.003	0.006	0.010	0.015	0.033	0.051	0.073	0.083	0.5	0.030	0.015	0.020
Roof	RAE4014ARB, 445-470 MHz	7.15	90	450.0125	54.0	52.4	CW	E	1.060	BS4	2	0.002	0.004	0.005	0.011	0.017	0.022	0.033	0.040	0.050	0.059	0.5	0.026	0.013	0.010
Roof	RAE4014ARB, 445-470 MHz	7.15	90	460.0000	54.0	53.3	CW	E	1.070	BS4	2	0.004	0.006	0.009	0.017	0.028	0.037	0.039	0.050	0.066	0.067	0.5	0.035	0.017	0.020
Roof	RAE4014ARB, 445-470 MHz	7.15	90	469.9875	54.0	53.5	CW	E	1.080	BS4	2	0.004	0.007	0.006	0.010	0.017	0.024	0.034	0.044	0.060	0.076	0.5	0.030	0.015	0.020
Roof	RAE4014ARB, 445-470 MHz	7.15	90	450.0125	54.0	52.4	CW	E	1.060	BS5	2	0.001	0.003	0.004	0.007	0.010	0.019	0.030	0.040	0.056	0.062	0.5	0.025	0.012	0.010
Roof	RAE4014ARB, 445-470 MHz	7.15	90	460.0000	54.0	53.3	CW	E	1.070	BS5	2	0.001	0.001	0.004	0.008	0.014	0.021	0.029	0.036	0.049	0.066	0.5	0.024	0.012	0.010
Roof	RAE4014ARB, 445-470 MHz	7.15	90	469.9875	54.0	53.5	CW	E	1.080	BS5	2	0.002	0.003	0.003	0.006	0.018	0.029	0.038	0.049	0.068	0.084	0.5	0.032	0.016	0.020

Table F.2**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Passenger Back**

D.U.T. Info.									Probe Info.			⁽⁶⁾ Meas. Unit				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.		MPE Measu rement s							
													Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	HAE4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	PB	2	0.043	0.072	0.123	0.5	0.084	0.042	0.040	
Roof	HAE4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	PB	2	0.043	0.085	0.109	0.5	0.085	0.042	0.040	
Roof	HAE4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	PB	2	0.051	0.080	0.105	0.5	0.085	0.042	0.040	
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	NA	450.0125	54.0	52.4	CW	E	1.060	PB	2	0.012	0.006	0.004	0.5	0.008	0.004	0.000	
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	NA	460.0000	54.0	53.3	CW	E	1.070	PB	2	0.010	0.008	0.007	0.5	0.009	0.004	0.000	
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	NA	469.9875	54.0	53.5	CW	E	1.080	PB	2	0.015	0.008	0.009	0.5	0.012	0.006	0.010	
Roof	HAE6013A, 380 MHz - 470 MHz	4.15	NA	450.0125	54.0	52.4	CW	E	1.060	PB	2	0.075	0.079	0.114	0.5	0.095	0.047	0.050	
Roof	HAE6013A, 380 MHz - 470 MHz	4.15	NA	460.0000	54.0	53.3	CW	E	1.070	PB	2	0.057	0.084	0.141	0.5	0.101	0.050	0.050	
Roof	HAE6013A, 380 MHz - 470 MHz	4.15	NA	469.9875	54.0	53.5	CW	E	1.080	PB	2	0.062	0.086	0.112	0.5	0.094	0.047	0.050	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	PB	2	0.060	0.065	0.089	0.5	0.076	0.038	0.040	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	PB	2	0.047	0.047	0.092	0.5	0.067	0.033	0.030	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	PB	2	0.101	0.079	0.097	0.5	0.101	0.050	0.050	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.150	PB	2	0.028	0.021	0.036	0.5	0.033	0.016	0.020	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.160	PB	2	0.018	0.018	0.029	0.5	0.025	0.013	0.010	
Roof	HAE6031A, 380- 520MHz	4.15	NA	450.0125	54.0	52.4	CW	E	1.060	PB	2	0.093	0.076	0.102	0.5	0.096	0.048	0.050	
Roof	HAE6031A, 380- 520MHz	4.15	NA	469.9875	54.0	53.5	CW	E	1.080	PB	2	0.080	0.085	0.134	0.5	0.108	0.054	0.050	
Roof	HAE6031A, 380- 520MHz	4.15	NA	482.5000	54.0	53.8	CW	E	1.090	PB	2	0.091	0.085	0.115	0.5	0.106	0.053	0.050	
Roof	HAE6031A, 380- 520MHz	4.15	NA	496.5000	48.0	47.5	CW	E	1.150	PB	2	0.047	0.036	0.044	0.5	0.049	0.024	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	511.9875	48.0	47.6	CW	E	1.160	PB	2	0.021	0.029	0.037	0.5	0.034	0.017	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	519.9875	30.0	29.9	CW	E	1.100	PB	2	0.026	0.019	0.018	0.5	0.023	0.012	0.010	

Table F.2 (Continued)

MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Passenger Back

D.U.T. Info.									Probe Info.			⁽⁶⁾ Meas. Unit			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.		MPE Measu rement s							
													Head/ Top 1/3	Chest/ Middle 1/3					Lower Trunk/ Bottom 1/3
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	NA	494.9875	48.0	47.1	CW	E	1.150	PB	2	0.004	0.005	0.005	0.5	0.005	0.003	0.000	
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	NA	503.0000	48.0	47.8	CW	E	1.160	PB	2	0.005	0.006	0.009	0.5	0.008	0.004	0.000	
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	NA	511.9875	48.0	47.6	CW	E	1.160	PB	2	0.003	0.003	0.007	0.5	0.005	0.003	0.000	
Roof	RAE4014ARB, 445 - 470 MHz	7.15	NA	450.0125	54.0	52.4	CW	E	1.060	PB	2	0.004	0.007	0.011	0.5	0.008	0.004	0.000	
Roof	RAE4014ARB, 445 - 470 MHz	7.15	NA	460.0000	54.0	53.3	CW	E	1.070	PB	2	0.011	0.017	0.032	0.5	0.021	0.011	0.010	
Roof	RAE4014ARB, 445 - 470 MHz	7.15	NA	469.9875	54.0	53.5	CW	E	1.080	PB	2	0.009	0.012	0.021	0.5	0.015	0.008	0.010	

Table F.3**MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Passenger Front**

D.U.T. Info.								Probe Info.			⁽⁶⁾ Meas. Unit			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.	MPE Measu rement s							
													Head/ Top 1/3					Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3
Roof	HAE4003A, 450 MHz - 470 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	PF	2	0.030	0.053	0.050	0.5	0.047	0.023	0.020	
Roof	HAE4003A, 450 MHz - 470 MHz	2.15	90	460.0000	54.0	53.3	CW	E	1.070	PF	2	0.011	0.039	0.047	0.5	0.035	0.017	0.020	
Roof	HAE4003A, 450 MHz - 470 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	PF	2	0.030	0.045	0.038	0.5	0.041	0.020	0.020	
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	NA	450.0125	54.0	52.4	CW	E	1.060	PF	2	0.006	0.008	0.005	0.5	0.007	0.003	0.000	
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	NA	460.0000	54.0	53.3	CW	E	1.070	PF	2	0.002	0.005	0.004	0.5	0.004	0.002	0.000	
Roof	HAE4011A, 450 MHz - 470 MHz	5.65	NA	469.9875	54.0	53.5	CW	E	1.080	PF	2	0.005	0.006	0.004	0.5	0.005	0.003	0.000	
Roof	HAE6013A, 380 MHz - 470 MHz	4.15	NA	450.0125	54.0	52.4	CW	E	1.060	PF	2	0.023	0.039	0.041	0.5	0.036	0.018	0.020	
Roof	HAE6013A, 380 MHz - 470 MHz	4.15	NA	460.0000	54.0	53.3	CW	E	1.070	PF	2	0.013	0.048	0.053	0.5	0.041	0.020	0.020	
Roof	HAE6013A, 380 MHz - 470 MHz	4.15	NA	469.9875	54.0	53.5	CW	E	1.080	PF	2	0.032	0.059	0.053	0.5	0.052	0.026	0.030	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	450.0125	54.0	52.4	CW	E	1.060	PF	2	0.034	0.018	0.031	0.5	0.029	0.015	0.020	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	469.9875	54.0	53.5	CW	E	1.080	PF	2	0.040	0.017	0.049	0.5	0.038	0.019	0.020	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	482.5000	54.0	53.8	CW	E	1.090	PF	2	0.055	0.020	0.052	0.5	0.046	0.023	0.020	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	496.5000	48.0	47.5	CW	E	1.150	PF	2	0.022	0.030	0.022	0.5	0.028	0.014	0.010	
Roof	HAE6016A, 450 MHz - 512 MHz	2.15	90	511.9875	48.0	47.6	CW	E	1.160	PF	2	0.030	0.023	0.056	0.5	0.042	0.021	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	450.0125	54.0	52.4	CW	E	1.060	PF	2	0.027	0.036	0.020	0.5	0.029	0.015	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	469.9875	54.0	53.5	CW	E	1.080	PF	2	0.056	0.065	0.050	0.5	0.062	0.031	0.030	
Roof	HAE6031A, 380- 520MHz	4.15	NA	482.5000	54.0	53.8	CW	E	1.090	PF	2	0.040	0.048	0.031	0.5	0.043	0.022	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	496.5000	48.0	47.5	CW	E	1.150	PF	2	0.043	0.033	0.044	0.5	0.046	0.023	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	511.9875	48.0	47.6	CW	E	1.160	PF	2	0.027	0.032	0.047	0.5	0.041	0.020	0.020	
Roof	HAE6031A, 380- 520MHz	4.15	NA	519.9875	30.0	29.9	CW	E	1.100	PF	2	0.026	0.026	0.013	0.5	0.024	0.012	0.010	

Table F.3 (Continued)

MPE assessment for APX 6500 UHF R2 - roof mounted antenna – Passenger Front

D.U.T. Info.								Probe Info.			⁽⁶⁾ Meas. Unit								
⁽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.	MPE Measurement s							
													Head/ Top 1/3					Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	NA	494.9875	48.0	47.1	CW	E	1.150	PF	2	0.005	0.005	0.005	0.5	0.006	0.003	0.000	
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	NA	503.0000	48.0	47.8	CW	E	1.160	PF	2	0.004	0.012	0.010	0.5	0.010	0.005	0.010	
Roof	RAE4016ARB, 494 MHz - 512MHz	7.15	NA	511.9875	48.0	47.6	CW	E	1.160	PF	2	0.006	0.012	0.009	0.5	0.010	0.005	0.010	
Roof	RAE4014ARB, 445 - 470 MHz	7.15	NA	450.0125	54.0	52.4	CW	E	1.060	PF	2	0.002	0.005	0.004	0.5	0.004	0.002	0.000	
Roof	RAE4014ARB, 445 - 470 MHz	7.15	NA	460.0000	54.0	53.3	CW	E	1.070	PF	2	0.003	0.005	0.004	0.5	0.004	0.002	0.000	
Roof	RAE4014ARB, 445 - 470 MHz	7.15	NA	469.9875	54.0	53.5	CW	E	1.080	PF	2	0.006	0.008	0.006	0.5	0.007	0.004	0.000	

Appendix G – MPE Measurement Result for Companion Device (DVR VHF)**Table G.1****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)	
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	E	1.02	BS1	0.006	0.009	0.013	0.013	0.013	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	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	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	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	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	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	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	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	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	1.0	0.020	0.02	0.021	

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	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	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	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	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	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	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	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	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	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	1.0	0.014	0.01	0.015	

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

Table G.1 (Continued)

DVR VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS5	0.007	0.007	0.007	0.007	0.013	0.018	0.018	0.018	0.018	0.018	1.0	0.013	0.01	0.014
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS5	0.01	0.01	0.011	0.011	0.018	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.020
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS5	0.01	0.01	0.01	0.012	0.021	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS1	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	1.0	0.005	0.00	0.005
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	1.0	0.004	0.00	0.004
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS1	0.005	0.005	0.005	0.005	0.006	0.008	0.008	0.008	0.008	0.008	1.0	0.007	0.01	0.007
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS2	0.005	0.011	0.011	0.011	0.016	0.016	0.018	0.018	0.018	0.018	1.0	0.014	0.01	0.015
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS2	0.005	0.008	0.01	0.014	0.02	0.024	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.019
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS2	0.005	0.006	0.008	0.01	0.015	0.016	0.018	0.018	0.018	0.018	1.0	0.013	0.01	0.014
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS3	0.012	0.015	0.018	0.02	0.028	0.038	0.038	0.038	0.038	0.038	1.0	0.028	0.03	0.029
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS3	0.01	0.02	0.025	0.036	0.036	0.048	0.053	0.054	0.054	0.054	1.0	0.039	0.04	0.040
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS3	0.012	0.017	0.02	0.021	0.037	0.038	0.043	0.043	0.043	0.043	1.0	0.032	0.03	0.033

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)	
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Test Pos.	Bystander (BS) Positions													
											20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm					200 cm
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS4	0.011	0.017	0.021	0.021	0.024	0.033	0.037	0.037	0.037	0.037	1.0	0.028	0.03	0.029	
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS4	0.017	0.026	0.032	0.032	0.041	0.05	0.05	0.05	0.05	0.05	1.0	0.040	0.04	0.041	
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS4	0.021	0.021	0.023	0.024	0.033	0.041	0.042	0.042	0.042	0.042	1.0	0.033	0.03	0.034	
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS5	0.006	0.006	0.007	0.007	0.012	0.013	0.021	0.021	0.021	0.021	1.0	0.014	0.01	0.014	
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS5	0.01	0.01	0.01	0.014	0.021	0.027	0.027	0.027	0.027	0.027	1.0	0.020	0.02	0.020	
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS5	0.005	0.006	0.006	0.008	0.016	0.016	0.016	0.016	0.016	0.016	1.0	0.012	0.01	0.012	

Table G1 (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)
⁽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		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

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	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	

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)
(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		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

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)
(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		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

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	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	

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

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	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	

Blue fonts: Frequencies not regulated by FCC.

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

D.U.T. Info.							Probe Info.			MPE Measurements							
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	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)	
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	

Blue fonts: Frequencies not regulated by FCC.

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

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	

Blue fonts: Frequencies not regulated by FCC.

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

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)	
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Test Pos.	Passenger/Operator (MC) Positions						
											Head/ Top 1/3	Chest/ Middle 1/3					Lower Trunk/ Bottom 1/3
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	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	

Blue fonts: Frequencies not regulated by FCC.