



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: 3/8/2017-3/20/2017; 3/04/2021~3/11/2021
Manufacturer: Futurecom Systems Group (DVR), Motorola Solutions. Inc (Mobile)
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 800 (806-824 MHz; 851-869MHz), Digital Vehicular Repeater CW
Test TX mode(s): 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)
Max. Power output: **Companion Device:** 10W (DVR 800)
TX Frequency Bands: APX 6500 UHF R2: 450-520 MHz; WLAN 2412-2462 MHz; WLAN 5180-5825 MHz; BT / BT LE 2402-2480 MHz
Signaling type: **Companion Device:** 806-825 MHz; 851-870MHz
Model(s) Tested: FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz)
Model(s) Certified: APX 6500 UHF R2: M25SSS9PW1BN (PMUE5756A)
Serial Number(s): **Companion Device:** MOBEXCOM DVRS 800 (DQPM DV8000P)
Classification: M25SSS9PW1BN (PMUE5756A), M22SSS9PW1BN (PMUE5756A), M24SSS9PW1BN (PMUE5756A), M36SSS9PW1BN (PMUE5756A), DQPM DV8000P
Applicant Name: 471TXD0188 (APX 6500 UHF R2), 17010530 (DVR 800)
Applicant Address: Occupational/Controlled Environment
FCC ID: Motorola Solutions Inc.
IC: 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
APX 6500 UHF R2: AZ492FT4967 (450-512 MHz, 2402-2480 MHz, 2412-2462 MHz; 5180-5825 MHz)
Companion Device: LO6-DVRS800 (806-824MHz, 851-869MHz)
 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
APX 6500 UHF R2: 109U-92FT4967
Companion Device: 2098-DVRS800
 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	ICNRP Limit	% To ICNRP 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 800)**Table E.1**

MPE assessment for DVR 800 - 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
Trunk	BS1	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.005	0.54	0.9
						9.95	815.0000	0.006	0.54	1.0
						9.85	824.0000	0.005	0.55	0.8
						9.91	851.0000	0.004	0.57	0.7
						10.00	860.0000	0.003	0.57	0.5
						10.00	869.0000	0.004	0.58	0.6
Trunk	BS2	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.015	0.54	2.8
						9.95	815.0000	0.016	0.54	2.9
						9.85	824.0000	0.012	0.55	2.2
						9.91	851.0000	0.015	0.57	2.7
						10.00	860.0000	0.012	0.57	2.1
						10.00	869.0000	0.011	0.58	1.8
Trunk	BS3	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.014	0.54	2.6
						9.95	815.0000	0.016	0.54	3.0
						9.85	824.0000	0.016	0.55	2.9
						9.91	851.0000	0.016	0.57	2.8
						10.00	860.0000	0.012	0.57	2.2
						10.00	869.0000	0.012	0.58	2.0
Trunk	BS4	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.019	0.54	3.5
						9.95	815.0000	0.024	0.54	4.4
						9.85	824.0000	0.022	0.55	4.0
						9.91	851.0000	0.028	0.57	4.9
						10.00	860.0000	0.018	0.57	3.1
						10.00	869.0000	0.019	0.58	3.3
Trunk	BS5	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.016	0.54	3.0
						9.95	815.0000	0.016	0.54	3.0
						9.85	824.0000	0.012	0.55	2.2
						9.91	851.0000	0.013	0.57	2.3
						10.00	860.0000	0.009	0.57	1.6
						10.00	869.0000	0.010	0.58	1.7

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

Table E.2

MPE assessment for DVR 800– trunk mounted antenna – Passenger

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm ²)	FCC Limit	% To FCC Spec Limit
Trunk	PB	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.056	0.54	10.4
						9.95	815.0000	0.060	0.54	11.1
						9.85	824.0000	0.048	0.55	8.7
						9.91	851.0000	0.045	0.57	7.9
						10.00	860.0000	0.039	0.57	6.8
						10.00	869.0000	0.023	0.58	4.0
Trunk	PF	E	15	HAF4016A, 1/4 Wave (764-870MHz)	10.0	10.00	806.0000	0.026	0.54	4.7
						9.95	815.0000	0.026	0.54	4.8
						9.85	824.0000	0.024	0.55	4.4
						9.91	851.0000	0.031	0.57	5.5
						10.00	860.0000	0.028	0.57	4.9
						10.00	869.0000	0.034	0.58	5.8

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

Table E.3
DVR 800 MPE Results for FCC

Pmax (W)	10	Pinitial (W)	10.00	9.95	9.85	9.91	10.00	10.00
		FCCLimit (mW/cm²)	0.54	0.54	0.55	0.57	0.57	0.58

Table	Test Post.	Angle	Trunk / Roof	E/H Field	Antenna No.	f1	f2	f3	f4	f5	f6
						806.0000	815.0000	824.0000	851.0000	860.0000	869.0000
E.1	BS1		Trunk	E	15	0.005	0.006	0.005	0.004	0.003	0.004
E.1	BS2		Trunk	E	15	0.015	0.016	0.012	0.015	0.012	0.011
E.1	BS3		Trunk	E	15	0.014	0.016	0.016	0.016	0.012	0.012
E.11	BS4		Trunk	E	15	0.019	0.024	0.022	0.028	0.018	0.019
E.1	BS5		Trunk	E	15	0.016	0.016	0.012	0.013	0.009	0.010
E 2	PB		Trunk	E	15	0.056	0.060	0.047	0.044	0.039	0.023
E 2	PF		Trunk	E	15	0.026	0.026	0.024	0.031	0.028	0.034

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/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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE4003A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	HAE6016A, 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	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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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	HA6013A, 300 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.				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	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 Measurements							
													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 800)**Table G.1****DVR 800 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		(5) 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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	BS1	0.001	0.001	0.001	0.002	0.002	0.002	0.004	0.008	0.010	0.012	1.0	0.004	0.005	0.005
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	BS1	0.001	0.002	0.002	0.001	0.002	0.003	0.006	0.006	0.012	0.013	1.0	0.005	0.006	0.006
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	BS1	0.001	0.001	0.001	0.001	0.002	0.003	0.007	0.007	0.008	0.009	1.0	0.004	0.005	0.005
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	BS1	0.001	0.002	0.001	0.002	0.002	0.002	0.004	0.007	0.007	0.009	1.0	0.004	0.004	0.004
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	BS1	0.001	0.001	0.001	0.001	0.001	0.002	0.003	0.003	0.008	0.006	1.0	0.003	0.003	0.003
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	BS1	0.001	0.001	0.001	0.002	0.003	0.004	0.004	0.004	0.007	0.006	1.0	0.003	0.004	0.004
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	BS2	0.002	0.002	0.003	0.006	0.009	0.012	0.023	0.025	0.028	0.018	1.0	0.013	0.015	0.015
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	BS2	0.002	0.002	0.003	0.003	0.007	0.012	0.025	0.026	0.027	0.029	1.0	0.014	0.016	0.016
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	BS2	0.002	0.002	0.002	0.003	0.005	0.007	0.020	0.022	0.022	0.018	1.0	0.010	0.012	0.012
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	BS2	0.003	0.004	0.004	0.008	0.009	0.013	0.020	0.027	0.029	0.018	1.0	0.014	0.015	0.015
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	BS2	0.002	0.003	0.003	0.006	0.007	0.010	0.015	0.020	0.022	0.024	1.0	0.011	0.012	0.012
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	BS2	0.002	0.002	0.002	0.005	0.005	0.008	0.013	0.018	0.020	0.023	1.0	0.010	0.011	0.011

Table G.1 (Continued)
DVR 800 - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		(5) 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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	BS3	0.001	0.001	0.002	0.004	0.008	0.011	0.022	0.025	0.025	0.022	1.0	0.012	0.014	0.014
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	BS3	0.001	0.003	0.005	0.005	0.009	0.012	0.026	0.027	0.031	0.023	1.0	0.014	0.016	0.016
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	BS3	0.001	0.002	0.004	0.006	0.011	0.020	0.020	0.027	0.027	0.018	1.0	0.014	0.016	0.016
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	BS3	0.002	0.003	0.006	0.008	0.016	0.018	0.020	0.030	0.021	0.019	1.0	0.014	0.016	0.016
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	BS3	0.002	0.003	0.006	0.005	0.008	0.011	0.018	0.027	0.020	0.013	1.0	0.011	0.012	0.012
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	BS3	0.001	0.003	0.004	0.006	0.008	0.012	0.016	0.024	0.022	0.010	1.0	0.011	0.012	0.012
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	BS4	0.003	0.005	0.008	0.012	0.017	0.020	0.022	0.026	0.025	0.022	1.0	0.016	0.019	0.019
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	BS4	0.003	0.006	0.010	0.016	0.027	0.033	0.023	0.038	0.026	0.023	1.0	0.021	0.024	0.024
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	BS4	0.003	0.006	0.008	0.016	0.024	0.030	0.022	0.032	0.030	0.021	1.0	0.019	0.022	0.022
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	BS4	0.004	0.009	0.012	0.022	0.032	0.033	0.030	0.039	0.041	0.026	1.0	0.025	0.028	0.028
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	BS4	0.004	0.007	0.010	0.009	0.011	0.014	0.019	0.032	0.027	0.028	1.0	0.016	0.018	0.018
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	BS4	0.005	0.007	0.007	0.008	0.014	0.022	0.026	0.033	0.030	0.024	1.0	0.018	0.019	0.019

Table G.1 (Continued)
DVR 800 - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		⁽⁵⁾ 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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	BS5	0.003	0.003	0.007	0.012	0.014	0.015	0.016	0.023	0.022	0.026	1.0	0.014	0.016	0.016	
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	BS5	0.004	0.004	0.010	0.012	0.013	0.015	0.020	0.018	0.022	0.022	1.0	0.014	0.016	0.016	
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	BS5	0.003	0.004	0.006	0.007	0.007	0.013	0.011	0.019	0.018	0.015	1.0	0.010	0.012	0.012	
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	BS5	0.003	0.004	0.008	0.012	0.012	0.015	0.011	0.018	0.019	0.014	1.0	0.012	0.013	0.013	
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	BS5	0.002	0.003	0.003	0.007	0.010	0.011	0.008	0.014	0.015	0.011	1.0	0.008	0.009	0.009	
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	BS5	0.001	0.003	0.006	0.008	0.012	0.011	0.010	0.017	0.012	0.010	1.0	0.009	0.010	0.010	

Table G.2
DVR 800 - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.		⁽⁵⁾ Test Pos.	MPE Measurement			DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	PB	0.064	0.053	0.027	1.0	0.048	0.056	0.056
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	PB	0.069	0.049	0.038	1.0	0.052	0.060	0.060
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	PB	0.048	0.042	0.034	1.0	0.041	0.047	0.048
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	PB	0.058	0.032	0.03	1.0	0.040	0.044	0.045
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	PB	0.044	0.03	0.032	1.0	0.035	0.039	0.039
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	PB	0.028	0.021	0.015	1.0	0.021	0.023	0.023
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	10.00	10.00	CW	E	1.16	PF	0.022	0.026	0.018	1.0	0.022	0.026	0.026
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	815.0000	10.00	9.95	CW	E	1.15	PF	0.025	0.027	0.016	1.0	0.023	0.026	0.026
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	824.0000	10.00	9.85	CW	E	1.14	PF	0.020	0.027	0.015	1.0	0.021	0.024	0.024
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0000	10.00	9.91	CW	E	1.11	PF	0.046	0.021	0.017	1.0	0.028	0.031	0.031
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	860.0000	10.00	10.00	CW	E	1.10	PF	0.049	0.019	0.009	1.0	0.026	0.028	0.028
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	869.0000	10.00	10.00	CW	E	1.09	PF	0.048	0.035	0.010	1.0	0.031	0.034	0.034