

 MOTOROLA SOLUTIONS																																	
DECLARATION OF COMPLIANCE: MPE ASSESSMENT Part 2 of 3																																	
Motorola Solutions Inc. EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd (Innoplex) Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	Date of Report: 12/15/2016 Report Revision: B																																
<table border="0"> <tr> <td style="vertical-align: top;">Responsible Engineer:</td> <td>Saw Sun Hock (EME Engineer)</td> </tr> <tr> <td style="vertical-align: top;">Report author:</td> <td>Saw Sun Hock (EME Engineer)</td> </tr> <tr> <td style="vertical-align: top;">Date(s) Tested:</td> <td>8/11/2016~8/18/2016; 8/20/2016~8/21/2016; 8/24~8/30/2016; 9/20/2016~9/22/2016</td> </tr> <tr> <td style="vertical-align: top;">Manufacturer:</td> <td>Motorola Solutions Inc.</td> </tr> <tr> <td style="vertical-align: top;">Date submitted for test:</td> <td>08/08/2016</td> </tr> <tr> <td style="vertical-align: top;">DUT Description:</td> <td>APX8500 mobile All Bands (VHF, UHF, 7/800)</td> </tr> <tr> <td style="vertical-align: top;">Test TX mode(s):</td> <td>CW</td> </tr> <tr> <td style="vertical-align: top;">Max. Power output:</td> <td>60W (136-174 MHz), 54W (380-484 MHz), 48W (485-512 MHz), 30W (512-520 MHz), 36W (764-805 MHz), 42W (806-870 MHz); 10mW (Bluetooth); 2.5mW (Bluetooth LE); 63.1 mW (WLAN 802.11b), 20 mW (WLAN 802.11g/n)</td> </tr> <tr> <td style="vertical-align: top;">TX Frequency Bands:</td> <td>136-174 MHz; 380-520 MHz; 764-805 MHz; 806-870 MHz; WLAN 2400-2483.5 MHz; Bluetooth 2402-2480 MHz</td> </tr> <tr> <td style="vertical-align: top;">Signaling type:</td> <td>FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN)</td> </tr> <tr> <td style="vertical-align: top;">Model(s) Tested:</td> <td>M37TSS9PW1AN</td> </tr> <tr> <td style="vertical-align: top;">Model(s) Certified:</td> <td>M37TSS9PW1AN</td> </tr> <tr> <td style="vertical-align: top;">Serial Number(s):</td> <td>KLDORDDUC</td> </tr> <tr> <td style="vertical-align: top;">Classification:</td> <td>Occupational/Controlled Environment</td> </tr> <tr> <td style="vertical-align: top;">FCC ID:</td> <td>AZ492FT7089 150.8-173.4 MHz, 406.1-512 MHz, 769-775 MHz, 799-824 MHz, 851-869 MHz, 2402-2480 MHz, 2412-2462 MHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.</td> </tr> <tr> <td style="vertical-align: top;">ISED Canada:</td> <td>109U-92FT7089 This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified.</td> </tr> </table> The MPE results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits. FCC rules require compliance for Passengers and Bystanders to the FCC General Population/Uncontrolled limits. The test results clearly demonstrate compliance with ICNIRP Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz).		Responsible Engineer:	Saw Sun Hock (EME Engineer)	Report author:	Saw Sun Hock (EME Engineer)	Date(s) Tested:	8/11/2016~8/18/2016; 8/20/2016~8/21/2016; 8/24~8/30/2016; 9/20/2016~9/22/2016	Manufacturer:	Motorola Solutions Inc.	Date submitted for test:	08/08/2016	DUT Description:	APX8500 mobile All Bands (VHF, UHF, 7/800)	Test TX mode(s):	CW	Max. Power output:	60W (136-174 MHz), 54W (380-484 MHz), 48W (485-512 MHz), 30W (512-520 MHz), 36W (764-805 MHz), 42W (806-870 MHz); 10mW (Bluetooth); 2.5mW (Bluetooth LE); 63.1 mW (WLAN 802.11b), 20 mW (WLAN 802.11g/n)	TX Frequency Bands:	136-174 MHz; 380-520 MHz; 764-805 MHz; 806-870 MHz; WLAN 2400-2483.5 MHz; Bluetooth 2402-2480 MHz	Signaling type:	FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN)	Model(s) Tested:	M37TSS9PW1AN	Model(s) Certified:	M37TSS9PW1AN	Serial Number(s):	KLDORDDUC	Classification:	Occupational/Controlled Environment	FCC ID:	AZ492FT7089 150.8-173.4 MHz, 406.1-512 MHz, 769-775 MHz, 799-824 MHz, 851-869 MHz, 2402-2480 MHz, 2412-2462 MHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified.	ISED Canada:	109U-92FT7089 This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified.
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Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. 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.																																	
Signature on file Tiong Nguk Ing Deputy Technical Manager Approval Date: 12/15/2016	Certification Date: 10/25/2016 Certification No.: L1161004																																

Appendix D – MPE Test Results Summary for LMR VHF

Table D.1**VHF Band Bystander MPE assessment for trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.10	0.20	48.7	0.20	48.7	NA	NA
					58.3	*146.0000	0.12	0.20	58.9	0.20	58.9	0.13	91.2
					58.6	150.8000	0.11	0.20	54.6	0.20	54.6	0.13	84.6
					58.6	158.0125	0.14	0.20	70.4	0.20	70.4	0.13	109.0
					59.0	165.0125	0.11	0.20	55.3	0.20	55.3	0.13	85.6
					59.3	173.0125	0.15	0.20	72.8	0.20	72.8	0.13	112.8
Trunk	BS	E	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.11	0.20	55.6	0.20	55.6	NA	NA
					58.4	*144.0000	0.11	0.20	53.3	0.20	53.3	0.13	82.6
					58.6	150.8000	0.10	0.20	52.2	0.20	52.2	0.13	80.8
					58.6	158.0125	0.13	0.20	65.5	0.20	65.5	0.13	101.5
					59.0	165.0125	0.13	0.20	62.7	0.20	62.7	0.13	97.1
					59.3	173.0125	0.12	0.20	58.2	0.20	58.2	0.13	90.2
45 Degree													
Trunk	BS	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	59.3	173.0125	0.16	0.20	77.7	0.20	77.7	0.13	120.4
90 Degree													
Trunk	BS	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	59.3	173.0125	0.14	0.20	70.0	0.20	70.0	0.13	108.4
Trunk	BS	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.06	0.20	31.1	0.20	31.1	NA	NA
					58.3	*146.0000	0.09	0.20	44.6	0.20	44.6	0.13	69.0
					58.6	150.8000	0.09	0.20	43.6	0.20	43.6	0.13	67.6
					58.6	158.0125	0.11	0.20	55.3	0.20	55.3	0.13	85.6
					59.0	165.0125	0.10	0.20	52.2	0.20	52.2	0.13	80.8
					59.3	173.0125	0.14	0.20	68.2	0.20	68.2	0.13	105.7
Trunk	BS	H	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.08	0.20	39.4	0.20	39.4	NA	NA
					58.4	*144.0000	0.10	0.20	47.7	0.20	47.7	0.13	73.9
					58.6	150.8000	0.11	0.20	57.2	0.20	57.2	0.13	88.6
					58.6	158.0125	0.13	0.20	63.9	0.20	63.9	0.13	98.9
					59.0	165.0125	0.12	0.20	61.8	0.20	61.8	0.13	95.8
					59.3	173.0125	0.13	0.20	64.4	0.20	64.4	0.13	99.7
45 Degree													
Trunk	BS	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	59.3	173.0125	0.14	0.20	68.9	0.20	68.9	0.13	106.8
90 Degree													
Trunk	BS	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	59.3	173.0125	0.16	0.20	79.2	0.20	79.2	0.13	122.7

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

* Frequency not regulated by FCC.

Table D.2

VHF Band Bystander MPE assessment for roof mounted antennas

Trunk/ Roof	Test Position	E/H Field	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	BS	E	AN000131A01, 1/4 wave (136- 870MHz)	60.0	58.4	*136.0000	0.11	0.20	54.6	0.20	54.6	NA	NA
					58.3	*146.0000	0.14	0.20	70.6	0.20	70.6	0.13	109.4
					58.6	150.8000	0.12	0.20	62.2	0.20	62.2	0.13	96.3
					58.6	158.0125	0.12	0.20	59.0	0.20	59.0	0.13	91.4
					59.0	165.0125	0.08	0.20	38.4	0.20	38.4	0.13	59.4
					59.3	173.0125	0.10	0.20	52.0	0.20	52.0	0.13	80.6
Roof	BS	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.10	0.20	49.0	0.20	49.0	NA	NA
					58.3	*146.0000	0.10	0.20	49.3	0.20	49.3	0.13	76.3
					58.6	150.8000	0.09	0.20	44.1	0.20	44.1	0.13	68.3
					58.6	158.0125	0.10	0.20	48.9	0.20	48.9	0.13	75.8
					59.0	165.0125	0.06	0.20	31.7	0.20	31.7	0.13	49.0
					59.3	173.0125	0.12	0.20	57.6	0.20	57.6	0.13	89.2
Roof	BS	E	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.09	0.20	45.3	0.20	45.3	NA	NA
					58.4	*144.0000	0.09	0.20	47.0	0.20	47.0	0.13	72.9
					58.6	150.8000	0.08	0.20	40.5	0.20	40.5	0.13	62.8
					58.6	158.0125	0.10	0.20	50.4	0.20	50.4	0.13	78.1
					59.0	165.0125	0.10	0.20	48.6	0.20	48.6	0.13	75.2
					59.3	173.0125	0.11	0.20	56.8	0.20	56.8	0.13	87.9
Roof	BS	E	HAD4016A, 1/4 Wave (136- 162MHz)	60.0	58.4	*136.0000	0.11	0.20	52.5	0.20	52.5	NA	NA
					58.4	*144.0000	0.16	0.20	78.8	0.20	78.8	0.13	122.1
					58.6	150.8000	0.13	0.20	66.8	0.20	66.8	0.13	103.5
					58.7	156.4000	0.12	0.20	59.6	0.20	59.6	0.13	92.3
					59.0	162.0000	0.07	0.20	34.9	0.20	34.9	0.13	54.1
Roof	BS	E	HAD4017A, 1/4 Wave (146- 174MHz)	60.0	58.3	*146.0000	0.11	0.20	54.9	0.20	54.9	0.13	85.1
					58.6	150.8000	0.10	0.20	49.9	0.20	49.9	0.13	77.3
					58.6	158.0125	0.13	0.20	64.3	0.20	64.3	0.13	99.5
					59.0	165.0125	0.10	0.20	49.6	0.20	49.6	0.13	76.8
					59.3	173.0125	0.11	0.20	56.0	0.20	56.0	0.13	86.8
Roof	BS	E	HAD4021A, 1/4 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.09	0.20	46.8	0.20	46.8	NA	NA
					58.4	*144.0000	0.14	0.20	72.2	0.20	72.2	0.13	111.8
					58.6	150.8000	0.12	0.20	58.4	0.20	58.4	0.13	90.4
					58.6	158.0125	0.11	0.20	53.2	0.20	53.2	0.13	82.4
					59.0	165.0125	0.09	0.20	44.9	0.20	44.9	0.13	69.5
					59.3	173.0125	0.09	0.20	43.0	0.20	43.0	0.13	66.6

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements.

* Frequency not regulated by FCC.

Table D.2 (Continued)**VHF Band Bystander MPE assessment for roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	H	AN000131A01, 1/4 wave (136- 870MHz)	60.0	58.4	*136.0000	0.11	0.20	55.3	0.20	55.3	NA	NA
					58.3	*146.0000	0.17	0.20	83.6	0.20	83.6	0.13	129.5
					58.6	150.8000	0.16	0.20	80.1	0.20	80.1	0.13	124.0
					58.6	158.0125	0.15	0.20	75.1	0.20	75.1	0.13	116.4
					59.0	165.0125	0.12	0.20	60.4	0.20	60.4	0.13	93.6
					59.3	173.0125	0.12	0.20	59.2	0.20	59.2	0.13	91.7
Roof	BS	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.04	0.20	22.0	0.20	22.0	NA	NA
					58.3	*146.0000	0.05	0.20	22.7	0.20	22.7	0.13	35.2
					58.6	150.8000	0.04	0.20	22.3	0.20	22.3	0.13	34.5
					58.6	158.0125	0.07	0.20	32.9	0.20	32.9	0.13	51.0
					59.0	165.0125	0.05	0.20	26.4	0.20	26.4	0.13	41.0
					59.3	173.0125	0.08	0.20	39.2	0.20	39.2	0.13	60.7
Roof	BS	H	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.05	0.20	22.8	0.20	22.8	NA	NA
					58.4	*144.0000	0.05	0.20	25.7	0.20	25.7	0.13	39.8
					58.6	150.8000	0.06	0.20	30.5	0.20	30.5	0.13	47.2
					58.6	158.0125	0.07	0.20	37.0	0.20	37.0	0.13	57.3
					59.0	165.0125	0.09	0.20	43.8	0.20	43.8	0.13	67.8
					59.3	173.0125	0.09	0.20	45.5	0.20	45.5	0.13	70.4
Roof	BS	H	HAD4016A, 1/4 Wave (136- 162MHz)	60.0	58.4	*136.0000	0.12	0.20	59.1	0.20	59.1	NA	NA
					58.4	*144.0000	0.18	0.20	89.5	0.20	89.5	0.13	138.6
					58.6	150.8000	0.17	0.20	85.5	0.20	85.5	0.13	132.5
					58.7	156.4000	0.16	0.20	79.9	0.20	79.9	0.13	123.8
					59.0	162.0000	0.12	0.20	59.3	0.20	59.3	0.13	91.9
Roof	BS	H	HAD4017A, 1/4 Wave (146- 174MHz)	60.0	58.3	*146.0000	0.07	0.20	33.7	0.20	33.7	0.13	52.3
					58.6	150.8000	0.13	0.20	64.3	0.20	64.3	0.13	99.6
					58.6	158.0125	0.15	0.20	76.2	0.20	76.2	0.13	118.0
					59.0	165.0125	0.14	0.20	72.2	0.20	72.2	0.13	111.8
					59.3	173.0125	0.15	0.20	73.9	0.20	73.9	0.13	114.5
Roof	BS	H	HAD4021A, 1/4 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.10	0.20	50.2	0.20	50.2	NA	NA
					58.4	*144.0000	0.17	0.20	85.6	0.20	85.6	0.13	132.7
					58.6	150.8000	0.16	0.20	78.2	0.20	78.2	0.13	121.2
					58.6	158.0125	0.13	0.20	64.4	0.20	64.4	0.13	99.8
					59.0	165.0125	0.12	0.20	59.1	0.20	59.1	0.13	91.6
					59.3	173.0125	0.10	0.20	52.3	0.20	52.3	0.13	81.1

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements.

Results highlight in yellow are configurations with highest percentage of limits for bystander.

* Frequency not regulated by FCC.

Table D.3**VHF Band Passenger Back MPE assessment for trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc.P.D. (mW/cm ²)	FCC Limit	% To FCC Spec Limit	ICNIR P Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	PB	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.05	0.20	23.6	0.20	23.6	NA	NA
					58.3	*146.0000	0.07	0.20	33.5	0.20	33.5	0.13	51.9
					58.6	150.8000	0.06	0.20	31.7	0.20	31.7	0.13	49.1
					58.6	158.0125	0.15	0.20	77.1	0.20	77.1	0.13	119.5
					59.0	165.0125	0.16	0.20	77.8	0.20	77.8	0.13	120.5
					59.3	173.0125	0.20	0.20	99.4	0.20	99.4	0.13	154.0
Trunk	PB	E	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.17	0.20	86.6	0.20	86.6	NA	NA
					58.4	*144.0000	0.21	0.20	104.8	0.20	104.8	0.13	162.3
					58.6	150.8000	0.21	0.20	106.8	0.20	106.8	0.13	165.4
					58.6	158.0125	0.40	0.20	200.5	0.20	200.5	0.13	310.6
					59.0	165.0125	0.50	0.20	250.1	0.20	250.1	0.13	387.5
					59.3	173.0125	0.44	0.20	221.4	0.20	221.4	0.13	343.0
Trunk	PB	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.06	0.20	29.4	0.20	29.4	NA	NA
					58.3	*146.0000	0.04	0.20	21.7	0.20	21.7	0.13	33.6
					58.6	150.8000	0.06	0.20	30.2	0.20	30.2	0.13	46.8
					58.6	158.0125	0.11	0.20	56.5	0.20	56.5	0.13	87.6
					59.0	165.0125	0.10	0.20	49.6	0.20	49.6	0.13	76.9
					59.3	173.0125	0.11	0.20	54.9	0.20	54.9	0.13	85.1
Trunk	PB	H	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.16	0.20	78.0	0.20	78.0	NA	NA
					58.4	*144.0000	0.14	0.20	68.0	0.20	68.0	0.13	105.4
					58.6	150.8000	0.15	0.20	76.0	0.20	76.0	0.13	117.7
					58.6	158.0125	0.25	0.20	125.6	0.20	125.6	0.13	194.6
					59.0	165.0125	0.29	0.20	142.9	0.20	142.9	0.13	221.4
					59.3	173.0125	0.23	0.20	114.9	0.20	114.9	0.13	178.0

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

Results highlight in yellow are configurations with highest percentage of limits for passenger back.

* Frequency not regulated by FCC.

Table D.4**VHF Band Passenger Back MPE assessment for roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	60.0	58.4	*136.0000	0.11	0.20	53.3	0.20	53.3	NA	NA
					58.3	*146.0000	0.13	0.20	64.1	0.20	64.1	0.13	99.3
					58.6	150.8000	0.11	0.20	54.0	0.20	54.0	0.13	83.7
					58.6	158.0125	0.13	0.20	63.5	0.20	63.5	0.13	98.4
					59.0	165.0125	0.07	0.20	36.5	0.20	36.5	0.13	56.6
					59.3	173.0125	0.05	0.20	23.3	0.20	23.3	0.13	36.1
Roof	PB	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	7.1	0.20	7.1	NA	NA
					58.3	*146.0000	0.03	0.20	14.1	0.20	14.1	0.13	21.8
					58.6	150.8000	0.02	0.20	10.7	0.20	10.7	0.13	16.6
					58.6	158.0125	0.03	0.20	15.3	0.20	15.3	0.13	23.7
					59.0	165.0125	0.01	0.20	5.4	0.20	5.4	0.13	8.4
					59.3	173.0125	0.02	0.20	10.3	0.20	10.3	0.13	16.0
Roof	PB	E	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.03	0.20	13.8	0.20	13.8	NA	NA
					58.4	*144.0000	0.04	0.20	20.3	0.20	20.3	0.13	31.5
					58.6	150.8000	0.04	0.20	19.5	0.20	19.5	0.13	30.2
					58.6	158.0125	0.06	0.20	30.4	0.20	30.4	0.13	47.1
					59.0	165.0125	0.04	0.20	21.7	0.20	21.7	0.13	33.5
					59.3	173.0125	0.05	0.20	23.6	0.20	23.6	0.13	36.5
Roof	PB	E	HAD4016A, 1/4 Wave (136- 162MHz)	60.0	58.4	*136.0000	0.15	0.20	73.1	0.20	73.1	NA	NA
					58.4	*144.0000	0.11	0.20	55.3	0.20	55.3	0.13	85.6
					58.6	150.8000	0.12	0.20	57.8	0.20	57.8	0.13	89.5
					58.7	156.4000	0.13	0.20	64.4	0.20	64.4	0.13	99.7
					59.0	162.0000	0.09	0.20	46.9	0.20	46.9	0.13	72.7
Roof	PB	E	HAD4017A, 1/4 Wave (146- 174MHz)	60.0	58.3	*146.0000	0.09	0.20	46.2	0.20	46.2	0.13	71.6
					58.6	150.8000	0.10	0.20	49.8	0.20	49.8	0.13	77.1
					58.6	158.0125	0.10	0.20	48.2	0.20	48.2	0.13	74.7
					59.0	165.0125	0.08	0.20	37.9	0.20	37.9	0.13	58.7
					59.3	173.0125	0.05	0.20	23.3	0.20	23.3	0.13	36.1
Roof	PB	E	HAD4021A, 1/4 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.14	0.20	70.5	0.20	70.5	NA	NA
					58.4	*144.0000	0.14	0.20	69.6	0.20	69.6	0.13	107.8
					58.6	150.8000	0.08	0.20	41.0	0.20	41.0	0.13	63.5
					58.6	158.0125	0.14	0.20	69.3	0.20	69.3	0.13	107.3
					59.0	165.0125	0.06	0.20	30.6	0.20	30.6	0.13	47.5
					59.3	173.0125	0.04	0.20	18.1	0.20	18.1	0.13	28.0

Note:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

* Frequency not regulated by FCC.

Table D.4 (Continued)**VHF Band Passenger Back MPE assessment for roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc.P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ICNIR P Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PB	H	AN000131A01, 1/4 wave (136- 870MHz)	60.0	58.4	*136.0000	0.15	0.20	74.5	0.20	74.5	NA	NA
					58.3	*146.0000	0.10	0.20	50.2	0.20	50.2	0.13	77.7
					58.6	150.8000	0.12	0.20	57.9	0.20	57.9	0.13	89.6
					58.6	158.0125	0.12	0.20	61.7	0.20	61.7	0.13	95.6
					59.0	165.0125	0.06	0.20	28.7	0.20	28.7	0.13	44.4
					59.3	173.0125	0.02	0.20	10.4	0.20	10.4	0.13	16.1
Roof	PB	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	4.8	0.20	4.8	NA	NA
					58.3	*146.0000	0.01	0.20	7.1	0.20	7.1	0.13	10.9
					58.6	150.8000	0.01	0.20	4.0	0.20	4.0	0.13	6.2
					58.6	158.0125	0.02	0.20	8.4	0.20	8.4	0.13	13.0
					59.0	165.0125	0.01	0.20	3.7	0.20	3.7	0.13	5.7
					59.3	173.0125	0.01	0.20	5.8	0.20	5.8	0.13	9.0
Roof	PB	H	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.02	0.20	11.8	0.20	11.8	NA	NA
					58.4	*144.0000	0.02	0.20	11.7	0.20	11.7	0.13	18.2
					58.6	150.8000	0.02	0.20	9.5	0.20	9.5	0.13	14.7
					58.6	158.0125	0.05	0.20	22.6	0.20	22.6	0.13	35.1
					59.0	165.0125	0.03	0.20	15.1	0.20	15.1	0.13	23.4
					59.3	173.0125	0.02	0.20	8.7	0.20	8.7	0.13	13.5
Roof	PB	H	HAD4016A, 1/4 Wave (136- 162MHz)	60.0	58.4	*136.0000	0.17	0.20	84.8	0.20	84.8	NA	NA
					58.4	*144.0000	0.11	0.20	56.3	0.20	56.3	0.13	87.3
					58.6	150.8000	0.10	0.20	49.5	0.20	49.5	0.13	76.7
					58.7	156.4000	0.12	0.20	61.6	0.20	61.6	0.13	95.5
					59.0	162.0000	0.10	0.20	49.2	0.20	49.2	0.13	76.3
Roof	PB	H	HAD4017A, 1/4 Wave (146- 174MHz)	60.0	58.3	*146.0000	0.08	0.20	41.7	0.20	41.7	0.13	64.5
					58.6	150.8000	0.07	0.20	37.2	0.20	37.2	0.13	57.6
					58.6	158.0125	0.12	0.20	62.2	0.20	62.2	0.13	96.3
					59.0	165.0125	0.09	0.20	43.6	0.20	43.6	0.13	67.5
					59.3	173.0125	0.02	0.20	10.9	0.20	10.9	0.13	17.0
Roof	PB	H	HAD4021A, 1/4 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.15	0.20	74.5	0.20	74.5	NA	NA
					58.4	*144.0000	0.12	0.20	61.1	0.20	61.1	0.13	94.7
					58.6	150.8000	0.09	0.20	42.6	0.20	42.6	0.13	65.9
					58.6	158.0125	0.11	0.20	56.5	0.20	56.5	0.13	87.6
					59.0	165.0125	0.08	0.20	37.9	0.20	37.9	0.13	58.7
					59.3	173.0125	0.02	0.20	7.6	0.20	7.6	0.13	11.8

Note:

* Frequency not regulated by FCC.

Table D.5**VHF Band Passenger Front MPE assessment for trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc.P.D. (mW/cm ²)	FCC Limit	% To FCC Spec Limit	ICNIR P Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	PF	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	5.7	0.20	5.7	NA	NA
					58.3	*146.0000	0.01	0.20	4.4	0.20	4.4	0.13	6.8
					58.6	150.8000	0.01	0.20	2.9	0.20	2.9	0.13	4.4
					58.6	158.0125	0.01	0.20	7.2	0.20	7.2	0.13	11.2
					59.0	165.0125	0.04	0.20	18.0	0.20	18.0	0.13	27.8
					59.3	173.0125	0.04	0.20	22.4	0.20	22.4	0.13	34.7
Trunk	PF	E	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.03	0.20	14.8	0.20	14.8	NA	NA
					58.4	*144.0000	0.02	0.20	9.5	0.20	9.5	0.13	14.7
					58.6	150.8000	0.03	0.20	13.8	0.20	13.8	0.13	21.4
					58.6	158.0125	0.05	0.20	23.4	0.20	23.4	0.13	36.3
					59.0	165.0125	0.08	0.20	39.2	0.20	39.2	0.13	60.7
					59.3	173.0125	0.07	0.20	34.7	0.20	34.7	0.13	53.8
Trunk	PF	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	4.6	0.20	4.6	NA	NA
					58.3	*146.0000	0.01	0.20	3.0	0.20	3.0	0.13	4.7
					58.6	150.8000	0.00	0.20	2.5	0.20	2.5	0.13	3.8
					58.6	158.0125	0.02	0.20	8.3	0.20	8.3	0.13	12.8
					59.0	165.0125	0.02	0.20	10.4	0.20	10.4	0.13	16.0
					59.3	173.0125	0.06	0.20	28.1	0.20	28.1	0.13	43.6
Trunk	PF	H	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.04	0.20	19.5	0.20	19.5	NA	NA
					58.4	*144.0000	0.02	0.20	11.3	0.20	11.3	0.13	17.6
					58.6	150.8000	0.03	0.20	14.4	0.20	14.4	0.13	22.2
					58.6	158.0125	0.06	0.20	28.6	0.20	28.6	0.13	44.3
					59.0	165.0125	0.07	0.20	34.6	0.20	34.6	0.13	53.6
					59.3	173.0125	0.08	0.20	40.6	0.20	40.6	0.13	62.9

Note:

* Frequency not regulated by FCC.

Table D.6**VHF Band Passenger Front MPE assessment for roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc.P.D. (mW/cm ²)	FCC Limit	% To FCC Spec Limit	ICNIR P Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	E	AN000131A01, 1/4 wave (136- 870MHz)	60.0	58.4	*136.0000	0.02	0.20	9.8	0.20	9.8	NA	NA
					58.3	*146.0000	0.04	0.20	18.1	0.20	18.1	0.13	28.1
					58.6	150.8000	0.03	0.20	16.7	0.20	16.7	0.13	25.9
					58.6	158.0125	0.05	0.20	22.8	0.20	22.8	0.13	35.3
					59.0	165.0125	0.05	0.20	25.3	0.20	25.3	0.13	39.1
					59.3	173.0125	0.03	0.20	14.2	0.20	14.2	0.13	22.0
Roof	PF	E	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.00	0.20	2.1	0.20	2.1	NA	NA
					58.3	*146.0000	0.00	0.20	1.3	0.20	1.3	0.13	2.0
					58.6	150.8000	0.01	0.20	2.6	0.20	2.6	0.13	4.0
					58.6	158.0125	0.00	0.20	1.2	0.20	1.2	0.13	1.9
					59.0	165.0125	0.01	0.20	3.0	0.20	3.0	0.13	4.6
					59.3	173.0125	0.01	0.20	3.4	0.20	3.4	0.13	5.3
Roof	PF	E	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	3.4	0.20	3.4	NA	NA
					58.4	*144.0000	0.01	0.20	4.3	0.20	4.3	0.13	6.6
					58.6	150.8000	0.01	0.20	2.9	0.20	2.9	0.13	4.4
					58.6	158.0125	0.01	0.20	6.4	0.20	6.4	0.13	10.0
					59.0	165.0125	0.02	0.20	11.2	0.20	11.2	0.13	17.4
					59.3	173.0125	0.01	0.20	6.0	0.20	6.0	0.13	9.4
Roof	PF	E	HAD4016A, 1/4 Wave (136- 162MHz)	60.0	58.4	*136.0000	0.02	0.20	11.0	0.20	11.0	NA	NA
					58.4	*144.0000	0.05	0.20	24.4	0.20	24.4	0.13	37.7
					58.6	150.8000	0.04	0.20	20.3	0.20	20.3	0.13	31.4
					58.7	156.4000	0.06	0.20	27.5	0.20	27.5	0.13	42.7
					59.0	162.0000	0.05	0.20	24.5	0.20	24.5	0.13	38.0
Roof	PF	E	HAD4017A, 1/4 Wave (146- 174MHz)	60.0	58.3	*146.0000	0.03	0.20	14.3	0.20	14.3	0.13	22.1
					58.6	150.8000	0.02	0.20	10.6	0.20	10.6	0.13	16.4
					58.6	158.0125	0.05	0.20	26.3	0.20	26.3	0.13	40.7
					59.0	165.0125	0.06	0.20	30.3	0.20	30.3	0.13	46.9
					59.3	173.0125	0.03	0.20	16.3	0.20	16.3	0.13	25.2
Roof	PF	E	HAD4021A, 1/4 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.03	0.20	15.5	0.20	15.5	NA	NA
					58.4	*144.0000	0.04	0.20	21.3	0.20	21.3	0.13	33.0
					58.6	150.8000	0.04	0.20	21.8	0.20	21.8	0.13	33.8
					58.6	158.0125	0.04	0.20	17.8	0.20	17.8	0.13	27.5
					59.0	165.0125	0.04	0.20	22.1	0.20	22.1	0.13	34.2
					59.3	173.0125	0.02	0.20	9.2	0.20	9.2	0.13	14.2

Note:

* Frequency not regulated by FCC.

Table D.6 (Continued)**VHF Band Passenger Front MPE assessment for roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc.P.D. (mW/cm ²)	FCC Limit	% To FCC Spec Limit	ICNIR P Limit	% To ICNIRP Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	H	AN000131A01, 1/4 wave (136- 870MHz)	60.0	58.4	*136.0000	0.05	0.20	23.5	0.20	23.5	NA	NA
					58.3	*146.0000	0.06	0.20	29.4	0.20	29.4	0.13	45.6
					58.6	150.8000	0.04	0.20	21.6	0.20	21.6	0.13	33.4
					58.6	158.0125	0.06	0.20	30.5	0.20	30.5	0.13	47.2
					59.0	165.0125	0.06	0.20	31.4	0.20	31.4	0.13	48.6
					59.3	173.0125	0.03	0.20	14.0	0.20	14.0	0.13	21.7
Roof	PF	H	RAD4010ARB, 1/2 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	4.6	0.20	4.6	NA	NA
					58.3	*146.0000	0.00	0.20	1.7	0.20	1.7	0.13	2.6
					58.6	150.8000	0.01	0.20	2.6	0.20	2.6	0.13	4.1
					58.6	158.0125	0.00	0.20	1.8	0.20	1.8	0.13	2.7
					59.0	165.0125	0.01	0.20	3.0	0.20	3.0	0.13	4.6
					59.3	173.0125	0.01	0.20	4.0	0.20	4.0	0.13	6.2
Roof	PF	H	HAD4022A, 5/8 Wave (132- 174MHz)	60.0	58.4	*136.0000	0.01	0.20	5.9	0.20	5.9	NA	NA
					58.4	*144.0000	0.01	0.20	3.5	0.20	3.5	0.13	5.5
					58.6	150.8000	0.01	0.20	4.0	0.20	4.0	0.13	6.2
					58.6	158.0125	0.02	0.20	7.9	0.20	7.9	0.13	12.3
					59.0	165.0125	0.03	0.20	12.8	0.20	12.8	0.13	19.8
					59.3	173.0125	0.02	0.20	8.6	0.20	8.6	0.13	13.3
Roof	PF	H	HAD4016A, 1/4 Wave (136- 162MHz)	60.0	58.4	*136.0000	0.04	0.20	22.1	0.20	22.1	NA	NA
					58.4	*144.0000	0.05	0.20	23.5	0.20	23.5	0.13	36.5
					58.6	150.8000	0.06	0.20	28.4	0.20	28.4	0.13	44.0
					58.7	156.4000	0.05	0.20	25.9	0.20	25.9	0.13	40.2
					59.0	162.0000	0.06	0.20	31.8	0.20	31.8	0.13	49.3
Roof	PF	H	HAD4017A, 1/4 Wave (146- 174MHz)	60.0	58.3	*146.0000	0.04	0.20	19.1	0.20	19.1	0.13	29.6
					58.6	150.8000	0.04	0.20	17.8	0.20	17.8	0.13	27.5
					58.6	158.0125	0.05	0.20	26.8	0.20	26.8	0.13	41.6
					59.0	165.0125	0.09	0.20	42.9	0.20	42.9	0.13	66.4
					59.3	173.0125	0.05	0.20	27.0	0.20	27.0	0.13	41.8
Roof	PF	H	HAD4021A, 1/4 Wave (136- 174MHz)	60.0	58.4	*136.0000	0.04	0.20	22.4	0.20	22.4	NA	NA
					58.4	*144.0000	0.05	0.20	23.0	0.20	23.0	0.13	35.6
					58.6	150.8000	0.07	0.20	35.4	0.20	35.4	0.13	54.9
					58.6	158.0125	0.06	0.20	29.8	0.20	29.8	0.13	46.2
					59.0	165.0125	0.05	0.20	23.0	0.20	23.0	0.13	35.7
					59.3	173.0125	0.03	0.20	16.6	0.20	16.6	0.13	25.7

Note:

Results highlight in yellow are configurations with highest percentage of limits for passenger front.

* Frequency not regulated by FCC.

Appendix E – MPE Test Results Summary for LMR UHF1

Table E.1**UHF1 Band Bystander MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	AN000131A01, 1/4 wave (136- 870MHz)	54.0	52.9	*380.0125	0.13	0.25	50.8	0.20	64.3	NA	NA
					53.1	*393.0125	0.15	0.26	56.5	0.20	74.0	NA	NA
					53.4	406.5000	0.16	0.27	58.6	0.20	78.1	0.16	99.9
					53.5	422.0125	0.15	0.28	55.0	0.21	73.4	0.16	95.0
					53.0	438.0125	0.12	0.29	40.8	0.22	54.4	NA	NA
					53.2	450.0125	0.14	0.30	48.3	0.23	64.4	0.17	85.1
					53.3	469.9875	0.13	0.31	41.4	0.23	55.3	0.18	74.0
Trunk	BS	E	HAE6010A, 1/2 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.11	0.25	45.1	0.20	57.1	NA	NA
					53.1	*393.0125	0.15	0.26	58.6	0.20	76.7	NA	NA
					53.4	406.5000	0.15	0.27	54.6	0.20	72.8	0.16	93.2
					53.5	419.5000	0.15	0.28	53.4	0.21	71.1	0.16	91.9
					53.1	432.9875	0.09	0.29	31.1	0.22	41.4	NA	NA
Trunk	BS	E	HAE6011A, 5/8 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.10	0.25	40.1	0.20	50.8	NA	NA
					53.1	*393.0125	0.14	0.26	53.1	0.20	69.6	NA	NA
					53.4	406.5000	0.10	0.27	37.0	0.20	49.3	0.16	63.0
					53.5	419.5000	0.09	0.28	31.7	0.21	42.3	0.16	54.6
					53.1	432.9875	0.04	0.29	14.2	0.22	18.9	NA	NA
Trunk	BS	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	52.9	*380.0125	0.13	0.25	52.2	0.20	66.1	NA	NA
					53.1	*393.0125	0.16	0.26	62.6	0.20	82.0	NA	NA
					53.4	406.5000	0.14	0.27	52.4	0.20	69.9	0.16	89.4
					53.5	422.0125	0.11	0.28	39.6	0.21	52.9	0.16	68.4
					53.0	438.0125	0.10	0.29	33.9	0.22	45.2	NA	NA
					53.2	450.0125	0.13	0.30	43.9	0.23	58.5	0.17	77.3
					53.1	460.0000	0.10	0.31	31.0	0.23	41.3	0.17	54.9
					53.3	469.9875	0.13	0.31	41.3	0.23	55.1	0.18	73.8

Note:

* Frequency not regulated by FCC.

Table E.1 (Continued)
UHF1 Band Bystander MPE assessment for Trunk mounted antennas

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	52.9	*380.0125	0.16	0.25	64.2	0.20	81.4	NA	NA
					53.1	*393.0125	0.17	0.26	63.5	0.20	83.2	NA	NA
					53.4	406.5000	0.16	0.27	60.3	0.20	80.3	0.16	102.7
					53.5	422.0125	0.12	0.28	42.6	0.21	56.8	0.16	73.5
					53.0	438.0125	0.11	0.29	37.2	0.22	49.5	NA	NA
					53.2	450.0125	0.15	0.30	50.8	0.23	67.8	0.17	89.5
					53.3	469.9875	0.14	0.31	44.9	0.23	59.9	0.18	80.2
Trunk	BS	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.06	0.30	20.1	0.23	26.8	0.17	35.5
					53.1	460.0000	0.07	0.31	21.5	0.23	28.7	0.17	38.2
					53.3	469.9875	0.11	0.31	34.6	0.23	46.1	0.18	61.8
Trunk	BS	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.12	0.30	39.8	0.23	53.0	0.17	70.0
					53.1	460.0000	0.08	0.31	27.6	0.23	36.8	0.17	48.9
					53.3	469.9875	0.09	0.31	29.3	0.23	39.1	0.18	52.4
Trunk	BS	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.15	0.30	51.1	0.23	68.1	0.17	90.0
					53.1	460.0000	0.14	0.31	46.7	0.23	62.3	0.17	82.8
					53.3	469.9875	0.15	0.31	48.5	0.23	64.7	0.18	86.6
45 Degree													
Trunk	BS	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.4	406.5000	0.20	0.27	74.7	0.20	99.6	0.16	127.4
90 Degree													
Trunk	BS	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.4	406.5000	0.13	0.27	48.4	0.20	64.6	0.16	82.6

Note:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

Results highlight in yellow are configurations with highest percentage of limits for bystander.

* Frequency not regulated by FCC.

Table E.2**UHF1 Band Bystander MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	E	AN000131A01, 1/4 wave (136- 870MHz)	54.0	52.9	*380.0125	0.06	0.25	24.8	0.20	31.4	NA	NA
					53.1	*393.0125	0.07	0.26	25.9	0.20	33.9	NA	NA
					53.4	406.5000	0.08	0.27	29.8	0.20	39.8	0.16	50.9
					53.5	422.0125	0.10	0.28	35.9	0.21	47.9	0.16	61.9
					53.0	438.0125	0.09	0.29	30.4	0.22	40.6	NA	NA
					53.2	450.0125	0.10	0.30	33.3	0.23	44.3	0.17	58.6
					53.3	469.9875	0.10	0.31	31.1	0.23	41.5	0.18	55.6
Roof	BS	E	HAE6010A, 1/2 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.06	0.25	24.7	0.20	31.3	NA	NA
					53.1	*393.0125	0.07	0.26	27.1	0.20	35.5	NA	NA
					53.4	406.5000	0.08	0.27	28.1	0.20	37.5	0.16	47.9
					53.5	419.5000	0.09	0.28	30.5	0.21	40.7	0.16	52.5
					53.1	432.9875	0.06	0.29	19.9	0.22	26.5	NA	NA
Roof	BS	E	HAE6011A, 5/8 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.07	0.25	26.2	0.20	33.2	NA	NA
					53.1	*393.0125	0.08	0.26	31.0	0.20	40.6	NA	NA
					53.4	406.5000	0.08	0.27	28.6	0.20	38.1	0.16	48.8
					53.5	419.5000	0.09	0.28	31.4	0.21	41.9	0.16	54.1
					53.1	432.9875	0.05	0.29	15.9	0.22	21.1	NA	NA
Roof	BS	E	HAE6012A, 1/4 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.10	0.25	40.9	0.20	51.9	NA	NA
					53.1	*393.0125	0.10	0.26	39.4	0.20	51.6	NA	NA
					53.4	406.5000	0.10	0.27	37.3	0.20	49.7	0.16	63.5
					53.5	419.5000	0.12	0.28	43.4	0.21	57.8	0.16	74.7
					53.1	432.9875	0.11	0.29	37.2	0.22	49.6	NA	NA
Roof	BS	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	52.9	*380.0125	0.09	0.25	34.6	0.20	43.8	NA	NA
					53.1	*393.0125	0.09	0.26	35.0	0.20	45.8	NA	NA
					53.4	406.5000	0.11	0.27	38.8	0.20	51.7	0.16	66.2
					53.5	422.0125	0.12	0.28	43.9	0.21	58.5	0.16	75.7
					53.0	438.0125	0.12	0.29	40.9	0.22	54.6	NA	NA
					53.2	450.0125	0.12	0.30	40.7	0.23	54.3	0.17	71.7
					53.1	460.0000	0.10	0.31	32.4	0.23	43.2	0.17	57.5
					53.3	469.9875	0.11	0.31	35.0	0.23	46.7	0.18	62.5

Note:

* Frequency not regulated by FCC.

Table E.2 (continued)**UHF1 Band Bystander MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	52.9	*380.0125	0.11	0.25	42.4	0.20	53.6	NA	NA
					53.1	*393.0125	0.09	0.26	35.8	0.20	46.9	NA	NA
					53.4	406.5000	0.11	0.27	40.5	0.20	54.0	0.16	69.0
					53.5	422.0125	0.13	0.28	45.0	0.21	60.0	0.16	77.7
					53.0	438.0125	0.13	0.29	46.0	0.22	61.3	NA	NA
					53.2	450.0125	0.13	0.30	42.9	0.23	57.2	0.17	75.6
					53.3	469.9875	0.11	0.31	36.7	0.23	48.9	0.18	65.5
Roof	BS	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.06	0.30	19.2	0.23	25.6	0.17	33.8
					53.1	460.0000	0.05	0.31	17.8	0.23	23.7	0.17	31.6
					53.3	469.9875	0.07	0.31	22.2	0.23	29.6	0.18	39.6
Roof	BS	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.11	0.30	36.3	0.23	48.3	0.17	63.8
					53.1	460.0000	0.07	0.31	23.3	0.23	31.0	0.17	41.2
					53.3	469.9875	0.07	0.31	21.6	0.23	28.9	0.18	38.6
Roof	BS	E	HAE4003A, 1/4 Wave (450- 470MHz)	54.0	53.2	450.0125	0.13	0.30	43.6	0.23	58.1	0.17	76.7
					53.1	460.0000	0.12	0.31	38.5	0.23	51.4	0.17	68.4
					53.3	469.9875	0.10	0.31	33.4	0.23	44.5	0.18	59.6
Roof	BS	E	HAE6016A, 1/4 Wave (450- 512MHz)	54.0	53.2	450.0125	0.12	0.30	41.0	0.23	54.7	0.17	72.2
					53.1	460.0000	0.12	0.31	38.1	0.23	50.8	0.17	67.6
					53.3	469.9875	0.11	0.31	34.5	0.23	46.0	0.18	61.6
Roof	BS	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.12	0.30	41.3	0.23	55.0	0.17	72.7
					53.1	460.0000	0.13	0.31	41.9	0.23	55.9	0.17	74.4
					53.3	469.9875	0.12	0.31	38.4	0.23	51.2	0.18	68.5

Note:

* Frequency not regulated by FCC.

Table E.3**UHF1 Band Passenger Back MPE assessment fort Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PB	E	AN000131A01, 1/4 wave (136- 870MHz)	54.0	52.9	*380.0125	0.12	0.25	48.0	0.20	60.9	NA	NA
					53.1	*393.0125	0.12	0.26	46.0	0.20	60.3	NA	NA
					53.4	406.5000	0.17	0.27	63.6	0.20	84.8	0.16	108.5
					53.5	422.0125	0.16	0.28	57.6	0.21	76.8	0.16	99.4
					53.0	438.0125	0.18	0.29	63.0	0.22	84.0	NA	NA
					53.2	450.0125	0.28	0.30	93.4	0.23	124.5	0.17	164.4
					53.3	469.9875	0.30	0.31	94.9	0.23	126.5	0.18	169.4
Trunk	PB	E	HAE6010A, 1/2 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.13	0.25	51.5	0.20	65.3	NA	NA
					53.1	*393.0125	0.14	0.26	55.0	0.20	72.1	NA	NA
					53.4	406.5000	0.19	0.27	70.4	0.20	93.8	0.16	120.0
					53.5	419.5000	0.19	0.28	66.8	0.21	89.1	0.16	115.1
					53.1	432.9875	0.13	0.29	44.7	0.22	59.5	NA	NA
Trunk	PB	E	HAE6011A, 5/8 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.11	0.25	44.0	0.20	55.8	NA	NA
					53.1	*393.0125	0.12	0.26	43.9	0.20	57.6	NA	NA
					53.4	406.5000	0.12	0.27	44.6	0.20	59.4	0.16	76.0
					53.5	419.5000	0.10	0.28	35.4	0.21	47.2	0.16	61.0
					53.1	432.9875	0.05	0.29	16.1	0.22	21.4	NA	NA
Trunk	PB	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	52.9	*380.0125	0.20	0.25	78.3	0.20	99.1	NA	NA
					53.1	*393.0125	0.19	0.26	73.8	0.20	96.7	NA	NA
					53.4	406.5000	0.28	0.27	103.3	0.20	137.8	0.16	176.2
					53.5	422.0125	0.24	0.28	85.6	0.21	114.1	0.16	147.7
					53.0	438.0125	0.28	0.29	94.7	0.22	126.3	NA	NA
					53.2	450.0125	0.37	0.30	124.4	0.23	165.9	0.17	219.1
					53.1	460.0000	0.34	0.31	109.7	0.23	146.3	0.17	194.5
					53.3	469.9875	0.37	0.31	117.3	0.23	156.3	0.18	209.3

Note:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

* Frequency not regulated by FCC.

Table E.3 (Continued)**UHF1 Band Passenger Back MPE assessment fort Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PB	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	52.9	*380.0125	0.21	0.25	84.0	0.20	106.4	NA	NA
					53.1	*393.0125	0.20	0.26	74.6	0.20	97.8	NA	NA
					53.4	406.5000	0.30	0.27	111.4	0.20	148.6	0.16	190.0
					53.5	422.0125	0.23	0.28	81.2	0.21	108.3	0.16	140.1
					53.0	438.0125	0.21	0.29	71.5	0.22	95.4	NA	NA
					53.2	450.0125	0.42	0.30	140.1	0.23	186.7	0.17	246.6
					53.3	469.9875	0.43	0.31	138.0	0.23	184.0	0.18	246.4
Trunk	PB	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.04	0.30	13.9	0.23	18.6	0.17	24.5
					53.1	460.0000	0.09	0.31	28.1	0.23	37.5	0.17	49.9
					53.3	469.9875	0.11	0.31	34.7	0.23	46.3	0.18	61.9
Trunk	PB	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.20	0.30	65.9	0.23	87.9	0.17	116.1
					53.1	460.0000	0.15	0.31	47.6	0.23	63.5	0.17	84.4
					53.3	469.9875	0.15	0.31	47.6	0.23	63.4	0.18	85.0
Trunk	PB	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.35	0.30	117.8	0.23	157.1	0.17	207.4
					53.1	460.0000	0.34	0.31	112.4	0.23	149.9	0.17	199.4
					53.3	469.9875	0.35	0.31	111.1	0.23	148.1	0.18	198.3

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

Results highlight in yellow are configurations with highest percentage of limits for passenger back.

* Frequency not regulated by FCC.

Table E.4**UHF1 Band Passenger Back MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	54.0	52.9	*380.0125	0.03	0.25	13.3	0.20	16.8	NA	NA
					53.1	*393.0125	0.04	0.26	15.3	0.20	20.0	NA	NA
					53.4	406.5000	0.04	0.27	16.3	0.20	21.7	0.16	27.7
					53.5	422.0125	0.03	0.28	9.4	0.21	12.6	0.16	16.3
					53.0	438.0125	0.06	0.29	19.1	0.22	25.5	NA	NA
					53.2	450.0125	0.04	0.30	12.3	0.23	16.4	0.17	21.7
					53.3	469.9875	0.03	0.31	10.1	0.23	13.5	0.18	18.0
Roof	PB	E	HAE6010A, 1/2 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.04	0.25	16.4	0.20	20.8	NA	NA
					53.1	*393.0125	0.03	0.26	13.2	0.20	17.3	NA	NA
					53.4	406.5000	0.06	0.27	23.3	0.20	31.1	0.16	39.8
					53.5	419.5000	0.03	0.28	12.3	0.21	16.4	0.16	21.1
					53.1	432.9875	0.03	0.29	10.2	0.22	13.6	NA	NA
Roof	PB	E	HAE6011A, 5/8 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.00	0.25	1.7	0.20	2.2	NA	NA
					53.1	*393.0125	0.01	0.26	3.4	0.20	4.4	NA	NA
					53.4	406.5000	0.01	0.27	5.0	0.20	6.7	0.16	8.6
					53.5	419.5000	0.01	0.28	3.2	0.21	4.3	0.16	5.5
					53.1	432.9875	0.01	0.29	2.6	0.22	3.4	NA	NA
Roof	PB	E	HAE6012A, 1/4 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.04	0.25	17.6	0.20	22.3	NA	NA
					53.1	*393.0125	0.04	0.26	15.8	0.20	20.7	NA	NA
					53.4	406.5000	0.05	0.27	19.9	0.20	26.6	0.16	34.0
					53.5	419.5000	0.02	0.28	7.3	0.21	9.7	0.16	12.5
					53.1	432.9875	0.03	0.29	12.1	0.22	16.1	NA	NA

Notes:

* Frequency not regulated by FCC.

Table E.4 (Continued)**UHF1 Band Passenger Back MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	52.9	*380.0125	0.03	0.25	13.0	0.20	16.5	NA	NA
					53.1	*393.0125	0.02	0.26	8.7	0.20	11.4	NA	NA
					53.4	406.5000	0.05	0.27	17.3	0.20	23.1	0.16	29.5
					53.5	422.0125	0.02	0.28	6.9	0.21	9.2	0.16	12.0
					53.0	438.0125	0.05	0.29	18.7	0.22	24.9	NA	NA
					53.2	450.0125	0.04	0.30	13.2	0.23	17.6	0.17	23.3
					53.1	460.0000	0.02	0.31	8.1	0.23	10.8	0.17	14.3
					53.3	469.9875	0.05	0.31	14.4	0.23	19.2	0.18	25.7
Roof	PB	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	52.9	*380.0125	0.03	0.25	11.5	0.20	14.5	NA	NA
					53.1	*393.0125	0.04	0.26	14.7	0.20	19.3	NA	NA
					53.4	406.5000	0.06	0.27	21.5	0.20	28.7	0.16	36.6
					53.5	422.0125	0.03	0.28	9.7	0.21	13.0	0.16	16.8
					53.0	438.0125	0.05	0.29	15.8	0.22	21.1	NA	NA
					53.2	450.0125	0.05	0.30	18.1	0.23	24.2	0.17	31.9
					53.3	469.9875	0.05	0.31	14.5	0.23	19.3	0.18	25.8
Roof	PB	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.01	0.30	2.8	0.23	3.7	0.17	4.9
					53.1	460.0000	0.00	0.31	1.3	0.23	1.7	0.17	2.2
					53.3	469.9875	0.01	0.31	3.0	0.23	4.0	0.18	5.3
Roof	PB	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.01	0.30	3.7	0.23	5.0	0.17	6.6
					53.1	460.0000	0.01	0.31	3.1	0.23	4.1	0.17	5.5
					53.3	469.9875	0.01	0.31	4.6	0.23	6.1	0.18	8.2
Roof	PB	E	HAE4003A, 1/4 Wave (450- 470MHz)	54.0	53.2	450.0125	0.04	0.30	12.4	0.23	16.6	0.17	21.9
					53.1	460.0000	0.03	0.31	8.3	0.23	11.0	0.17	14.6
					53.3	469.9875	0.03	0.31	8.8	0.23	11.7	0.18	15.7
Roof	PB	E	HAE6016A, 1/4 Wave (450- 512MHz)	54.0	53.2	450.0125	0.04	0.30	13.0	0.23	17.3	0.17	22.9
					53.1	460.0000	0.04	0.31	12.0	0.23	16.0	0.17	21.3
					53.3	469.9875	0.04	0.31	13.7	0.23	18.3	0.18	24.5
Roof	PB	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.05	0.30	15.2	0.23	20.2	0.17	26.7
					53.1	460.0000	0.04	0.31	11.9	0.23	15.9	0.17	21.1
					53.3	469.9875	0.04	0.31	14.2	0.23	18.9	0.18	25.3

Notes:

* Frequency not regulated by FCC.

Table E.5**UHF1 Band Passenger Front MPE assessment fort Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PF	E	AN000131A01, 1/4 wave (136- 870MHz)	54.0	52.9	*380.0125	0.06	0.25	24.2	0.20	30.7	NA	NA
					53.1	*393.0125	0.05	0.26	19.1	0.20	25.1	NA	NA
					53.4	406.5000	0.03	0.27	12.7	0.20	16.9	0.16	21.6
					53.5	422.0125	0.04	0.28	15.1	0.21	20.2	0.16	26.1
					53.0	438.0125	0.06	0.29	20.8	0.22	27.7	NA	NA
					53.2	450.0125	0.06	0.30	20.7	0.23	27.6	0.17	36.5
					53.3	469.9875	0.06	0.31	18.6	0.23	24.8	0.18	33.2
Trunk	PF	E	HAE6010A, 1/2 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.06	0.25	23.5	0.20	29.8	NA	NA
					53.1	*393.0125	0.07	0.26	27.0	0.20	35.4	NA	NA
					53.4	406.5000	0.03	0.27	12.2	0.20	16.3	0.16	20.8
					53.5	419.5000	0.04	0.28	13.9	0.21	18.5	0.16	23.9
					53.1	432.9875	0.04	0.29	13.5	0.22	18.0	NA	NA
Trunk	PF	E	HAE6011A, 5/8 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.05	NA	NA	0.20	23.3	NA	NA
					53.1	*393.0125	0.03	NA	NA	0.20	15.7	NA	NA
					53.4	406.5000	0.02	0.27	7.3	0.20	9.7	0.16	12.4
					53.5	419.5000	0.02	0.28	7.7	0.21	10.3	0.16	13.3
					53.1	432.9875	0.01	0.29	3.6	0.22	4.7	NA	NA
Trunk	PF	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	52.9	*380.0125	0.07	0.25	29.5	0.20	37.4	NA	NA
					53.1	*393.0125	0.06	0.26	24.1	0.20	31.6	NA	NA
					53.4	406.5000	0.04	0.27	15.3	0.20	20.4	0.16	26.1
					53.5	422.0125	0.04	0.28	15.4	0.21	20.5	0.16	26.5
					53.0	438.0125	0.07	0.29	25.3	0.22	33.7	NA	NA
					53.2	450.0125	0.07	0.30	22.5	0.23	30.1	0.17	39.7
					53.1	460.0000	0.06	0.31	20.3	0.23	27.0	0.17	35.9
					53.3	469.9875	0.08	0.31	25.0	0.23	33.3	0.18	44.6

Notes:

* Frequency not regulated by FCC.

Table E.5 (Continued)**UHF1 Band Passenger Front MPE assessment fort Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PF	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	52.9	*380.0125	0.10	0.25	39.6	0.20	50.1	NA	NA
					53.1	*393.0125	0.06	0.26	22.3	0.20	29.2	NA	NA
					53.4	406.5000	0.04	0.27	16.5	0.20	22.0	0.16	28.1
					53.5	422.0125	0.06	0.28	20.0	0.21	26.6	0.16	34.5
					53.0	438.0125	0.07	0.29	25.5	0.22	34.0	NA	NA
					53.2	450.0125	0.08	0.30	25.8	0.23	34.4	0.17	45.4
					53.3	469.9875	0.08	0.31	25.7	0.23	34.3	0.18	45.9
Trunk	PF	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.02	0.30	6.8	0.23	9.1	0.17	12.1
					53.1	460.0000	0.02	0.31	8.1	0.23	10.8	0.17	14.3
					53.3	469.9875	0.04	0.31	13.1	0.23	17.5	0.18	23.4
Trunk	PF	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.04	0.30	14.3	0.23	19.0	0.17	25.1
					53.1	460.0000	0.03	0.31	10.8	0.23	14.4	0.17	19.2
					53.3	469.9875	0.05	0.31	15.7	0.23	20.9	0.18	28.0
Trunk	PF	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.06	0.30	20.9	0.23	27.8	0.17	36.8
					53.1	460.0000	0.07	0.31	24.3	0.23	32.4	0.17	43.1
					53.3	469.9875	0.09	0.31	27.4	0.23	36.5	0.18	48.8

Notes:

Results highlight in yellow are configurations with highest percentage of limits for passenger front.

* Frequency not regulated by FCC.

Table E.6**UHF1 Band Passenger Front MPE assessment fort Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	54.0	52.9	*380.0125	0.00	0.25	0.9	0.20	1.1	NA	NA
					53.1	*393.0125	0.01	0.26	2.2	0.20	2.8	NA	NA
					53.4	406.5000	0.00	0.27	0.8	0.20	1.1	0.16	1.4
					53.5	422.0125	0.01	0.28	1.9	0.21	2.5	0.16	3.2
					53.0	438.0125	0.00	0.29	1.5	0.22	2.0	NA	NA
					53.2	450.0125	0.01	0.30	2.5	0.23	3.4	0.17	4.5
					53.3	469.9875	0.00	0.31	1.6	0.23	2.1	0.18	2.8
Roof	PF	E	HAE6010A, 1/2 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.04	0.25	15.6	0.20	19.8	NA	NA
					53.1	*393.0125	0.04	0.26	13.6	0.20	17.9	NA	NA
					53.4	406.5000	0.02	0.27	7.5	0.20	10.0	0.16	12.8
					53.5	419.5000	0.03	0.28	9.3	0.21	12.4	0.16	16.1
					53.1	432.9875	0.02	0.29	6.9	0.22	9.2	NA	NA
Roof	PF	E	HAE6011A, 5/8 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.01	0.25	4.5	0.20	5.7	NA	NA
					53.1	*393.0125	0.01	0.26	2.8	0.20	3.7	NA	NA
					53.4	406.5000	0.00	0.27	1.6	0.20	2.1	0.16	2.7
					53.5	419.5000	0.01	0.28	2.8	0.21	3.7	0.16	4.8
					53.1	432.9875	0.00	0.29	1.1	0.22	1.5	NA	NA
Roof	PF	E	HAE6012A, 1/4 Wave (380- 433MHz)	54.0	52.9	*380.0125	0.05	0.25	19.1	0.20	24.2	NA	NA
					53.1	*393.0125	0.03	0.26	12.4	0.20	16.3	NA	NA
					53.4	406.5000	0.02	0.27	8.5	0.20	11.3	0.16	14.5
					53.5	419.5000	0.03	0.28	9.3	0.21	12.4	0.16	16.0
					53.1	432.9875	0.02	0.29	7.9	0.22	10.6	NA	NA

Notes:

* Frequency not regulated by FCC.

Table E.6 (Continued)**UHF1 Band Passenger Front MPE assessment fort Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	52.9	*380.0125	0.04	0.25	15.1	0.20	19.2	NA	NA
					53.1	*393.0125	0.03	0.26	10.8	0.20	14.2	NA	NA
					53.4	406.5000	0.02	0.27	5.9	0.20	7.9	0.16	10.1
					53.5	422.0125	0.03	0.28	9.6	0.21	12.8	0.16	16.6
					53.0	438.0125	0.03	0.29	10.5	0.22	14.0	NA	NA
					53.2	450.0125	0.04	0.30	12.7	0.23	16.9	0.17	22.3
					53.1	460.0000	0.02	0.31	7.4	0.23	9.9	0.17	13.1
					53.3	469.9875	0.02	0.31	7.2	0.23	9.6	0.18	12.8
Roof	PF	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	52.9	*380.0125	0.05	0.25	20.7	0.20	26.3	NA	NA
					53.1	*393.0125	0.03	0.26	11.9	0.20	15.5	NA	NA
					53.4	406.5000	0.02	0.27	6.3	0.20	8.4	0.16	10.7
					53.5	422.0125	0.02	0.28	8.0	0.21	10.7	0.16	13.8
					53.0	438.0125	0.03	0.29	9.3	0.22	12.5	NA	NA
					53.2	450.0125	0.05	0.30	17.5	0.23	23.3	0.17	30.8
					53.3	469.9875	0.03	0.31	10.3	0.23	13.8	0.18	18.4
Roof	PF	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.01	0.30	2.4	0.23	3.1	0.17	4.2
					53.1	460.0000	0.01	0.31	3.0	0.23	3.9	0.17	5.2
					53.3	469.9875	0.01	0.31	1.8	0.23	2.5	0.18	3.3
Roof	PF	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.02	0.30	5.2	0.23	6.9	0.17	9.1
					53.1	460.0000	0.01	0.31	3.5	0.23	4.7	0.17	6.3
					53.3	469.9875	0.01	0.31	2.4	0.23	3.1	0.18	4.2
Roof	PF	E	HAE4003A, 1/4 Wave (450- 470MHz)	54.0	53.2	450.0125	0.04	0.30	11.7	0.23	15.6	0.17	20.6
					53.1	460.0000	0.03	0.31	10.1	0.23	13.4	0.17	17.9
					53.3	469.9875	0.03	0.31	9.6	0.23	12.8	0.18	17.1
Roof	PF	E	HAE6016A, 1/4 Wave (450- 512MHz)	54.0	53.2	450.0125	0.03	0.30	9.0	0.23	12.0	0.17	15.9
					53.1	460.0000	0.03	0.31	10.3	0.23	13.7	0.17	18.3
					53.3	469.9875	0.02	0.31	7.3	0.23	9.7	0.18	13.0
Roof	PF	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.05	0.30	15.9	0.23	21.2	0.17	28.0
					53.1	460.0000	0.04	0.31	11.8	0.23	15.7	0.17	20.9
					53.3	469.9875	0.03	0.31	11.0	0.23	14.6	0.18	19.6

Notes:

* Frequency not regulated by FCC.

Appendix F – MPE Test Results Summary for LMR UHF2

Table F.1**UHF2 Band Bystander MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	AN000131A01, 1/4 wave (136-870MHz)	54.0	53.2	450.0125	0.14	0.30	48.3	0.23	64.4	0.17	85.1
					53.3	469.9875	0.13	0.31	41.4	0.23	55.3	0.18	74.0
					53.5	482.5000	0.13	0.32	39.2	0.24	52.3	NA	NA
				48.0	46.7	496.5000	0.14	0.33	42.2	0.25	56.2	NA	NA
					47.5	511.9875	0.08	0.34	24.9	0.26	33.1	NA	NA
				30.0	30.0	*519.9875	0.08	0.35	21.7	0.26	28.9	NA	NA
Trunk	BS	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	53.2	450.0125	0.13	0.30	43.9	0.23	58.5	0.17	77.3
					53.1	460.0000	0.10	0.31	31.0	0.23	41.3	0.17	54.9
					53.3	469.9875	0.13	0.31	41.3	0.23	55.1	0.18	73.8
Trunk	BS	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.2	450.0125	0.15	0.30	50.8	0.23	67.8	0.17	89.5
					53.3	469.9875	0.14	0.31	44.9	0.23	59.9	0.18	80.2
					53.5	482.5000	0.14	0.32	42.2	0.24	56.3	NA	NA
				48.0	46.7	496.5000	0.13	0.33	40.1	0.25	53.5	NA	NA
					47.5	511.9875	0.10	0.34	30.2	0.26	40.2	NA	NA
				30.0	30.0	*519.9875	0.08	0.35	24.4	0.26	32.5	NA	NA
Trunk	BS	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.06	0.30	20.1	0.23	26.8	0.17	35.5
					53.1	460.0000	0.07	0.31	21.5	0.23	28.7	0.17	38.2
					53.3	469.9875	0.11	0.31	34.6	0.23	46.1	0.18	61.8
Trunk	BS	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.12	0.30	39.8	0.23	53.0	0.17	70.0
					53.1	460.0000	0.08	0.31	27.6	0.23	36.8	0.17	48.9
					53.3	469.9875	0.09	0.31	29.3	0.23	39.1	0.18	52.4

Notes:

* Frequency not regulated by FCC.

Table F.1 (Continued)**UHF2 Band Bystander MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.15	0.30	51.1	0.23	68.1	0.17	90.0
					53.1	460.0000	0.14	0.31	46.7	0.23	62.3	0.17	82.8
					53.3	469.9875	0.15	0.31	48.5	0.23	64.7	0.18	86.6
					53.5	482.5000	0.14	0.32	44.2	0.24	58.9	NA	NA
				48.0	46.7	496.5000	0.15	0.33	44.1	0.25	58.7	NA	NA
					47.5	511.9875	0.09	0.34	27.0	0.26	36.0	NA	NA
				30.0	30.0	*519.9875	0.08	0.35	22.1	0.26	29.5	NA	NA
Trunk	BS	E	HAE4012A, 1/2 Wave (470- 495MHz)	54.0	53.2	470.0125	0.14	0.31	45.5	0.24	60.7	NA	NA
					53.5	482.5000	0.12	0.32	37.2	0.24	49.6	NA	NA
				48.0	46.6	494.9875	0.09	0.33	27.3	0.25	36.4	NA	NA
Trunk	BS	E	RAE4015ARM, 5/8 Wave (470- 494MHz)	54.0	53.2	470.0125	0.09	0.31	27.9	0.24	37.2	NA	NA
					53.5	482.5000	0.10	0.32	29.8	0.24	39.8	NA	NA
				48.0	46.6	493.9875	0.07	0.33	20.9	0.25	27.8	NA	NA
Trunk	BS	E	HAE4013A, 1/2 Wave (494- 512MHz)	48.0	46.6	494.9875	0.12	0.33	35.7	0.25	47.6	NA	NA
					47.1	503.0000	0.10	0.34	28.8	0.25	38.5	NA	NA
					47.5	511.9875	0.07	0.34	19.6	0.26	26.1	NA	NA
Trunk	BS	E	RAE4016ARB, 5/8 Wave (494- 512MHz)	48.0	46.6	494.9875	0.08	0.33	24.4	0.25	32.6	NA	NA
					47.1	503.0000	0.07	0.34	21.6	0.25	28.7	NA	NA
					46.6	511.9875	0.07	0.34	21.7	0.26	28.9	NA	NA
45 Degree													
Trunk	BS	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.10	0.30	34.1	0.23	45.5	0.17	60.1
90 Degree													
Trunk	BS	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.10	0.30	34.0	0.23	45.3	0.17	59.9

Notes:

Results highlight in yellow are configurations with highest percentage of limits for Bystander.

* Frequency not regulated by FCC.

Table F.2**UHF2 Band Bystander MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	E	AN000131A01, 1/4 wave (136-870MHz)	54.0	53.2	450.0125	0.10	0.30	33.3	0.23	44.3	0.17	58.6
					53.3	469.9875	0.10	0.31	31.1	0.23	41.5	0.18	55.6
					53.5	482.5000	0.08	0.32	23.6	0.24	31.5	NA	NA
				48.0	46.7	496.5000	0.09	0.33	27.6	0.25	36.8	NA	NA
					47.5	511.9875	0.07	0.34	20.4	0.26	27.2	NA	NA
				30.0	30.0	*519.9875	0.06	0.35	17.8	0.26	23.7	NA	NA
Roof	BS	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	53.2	450.0125	0.12	0.30	40.7	0.23	54.3	0.17	71.7
					53.1	460.0000	0.10	0.31	32.4	0.23	43.2	0.17	57.5
					53.3	469.9875	0.11	0.31	35.0	0.23	46.7	0.18	62.5
Roof	BS	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.2	450.0125	0.13	0.30	42.9	0.23	57.2	0.17	75.6
					53.3	469.9875	0.11	0.31	36.7	0.23	48.9	0.18	65.5
					53.5	482.5000	0.12	0.32	38.2	0.24	50.9	NA	NA
				48.0	46.7	496.5000	0.12	0.33	36.4	0.25	48.5	NA	NA
					47.5	511.9875	0.11	0.34	32.3	0.26	43.1	NA	NA
				30.0	30.0	*519.9875	0.08	0.35	22.5	0.26	29.9	NA	NA
Roof	BS	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.06	0.30	19.2	0.23	25.6	0.17	33.8
					53.1	460.0000	0.05	0.31	17.8	0.23	23.7	0.17	31.6
					53.3	469.9875	0.07	0.31	22.2	0.23	29.6	0.18	39.6
Roof	BS	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.11	0.30	36.3	0.23	48.3	0.17	63.8
					53.1	460.0000	0.07	0.31	23.3	0.23	31.0	0.17	41.2
					53.3	469.9875	0.07	0.31	21.6	0.23	28.9	0.18	38.6
Roof	BS	E	HAE4003A, 1/4 Wave (450- 470MHz)	54.0	53.2	450.0125	0.13	0.30	43.6	0.23	58.1	0.17	76.7
					53.1	460.0000	0.12	0.31	38.5	0.23	51.4	0.17	68.4
					53.3	469.9875	0.10	0.31	33.4	0.23	44.5	0.18	59.6
Roof	BS	E	HAE6016A, 1/4 Wave (450- 512MHz)	54.0	53.2	450.0125	0.12	0.30	41.0	0.23	54.7	0.17	72.2
					53.1	460.0000	0.12	0.31	38.1	0.23	50.8	0.17	67.6
					53.3	469.9875	0.11	0.31	34.5	0.23	46.0	0.18	61.6
					53.5	482.5000	0.13	0.32	39.5	0.24	52.6	NA	NA
				48.0	46.7	496.5000	0.11	0.33	32.4	0.25	43.2	NA	NA
					47.5	511.9875	0.12	0.34	34.8	0.26	46.4	NA	NA

Notes:

* Frequency not regulated by FCC.

Table F.2 (Continued)**UHF2 Band Bystander MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.12	0.30	41.3	0.23	55.0	0.17	72.7
					53.1	460.0000	0.13	0.31	41.9	0.23	55.9	0.17	74.4
					53.3	469.9875	0.12	0.31	38.4	0.23	51.2	0.18	68.5
					53.5	482.5000	0.13	0.32	40.1	0.24	53.5	NA	NA
				48.0	46.7	496.5000	0.12	0.33	37.3	0.25	49.7	NA	NA
					47.5	511.9875	0.10	0.34	29.3	0.26	39.0	NA	NA
				30.0	30.0	*519.9875	0.08	0.35	21.8	0.26	29.1	NA	NA
Roof	BS	E	HAE4012A, 1/2 Wave (470- 495MHz)	54.0	53.2	470.0125	0.08	0.31	26.9	0.24	35.8	NA	NA
					53.5	482.5000	0.09	0.32	27.9	0.24	37.2	NA	NA
				48.0	46.6	494.9875	0.07	0.33	22.6	0.25	30.1	NA	NA
Roof	BS	E	HAE4004A, 1/4 Wave (470- 512MHz)	54.0	53.2	470.0125	0.13	0.31	39.9	0.24	53.3	NA	NA
					53.5	482.5000	0.13	0.32	41.3	0.24	55.0	NA	NA
				48.0	46.7	496.5000	0.11	0.33	32.5	0.25	43.3	NA	NA
					47.5	511.9875	0.10	0.34	29.6	0.26	39.4	NA	NA
Roof	BS	E	RAE4015ARM, 5/8 Wave (470- 494MHz)	54.0	53.2	470.0125	0.06	0.31	19.9	0.24	26.6	NA	NA
					53.5	482.5000	0.08	0.32	24.8	0.24	33.0	NA	NA
				48.0	46.4	493.9875	0.07	0.33	20.3	0.25	27.0	NA	NA
Roof	BS	E	HAE4013A, 1/2 Wave (494- 512MHz)	48.0	46.6	494.9875	0.12	0.33	35.8	0.25	47.7	NA	NA
					47.1	503.0000	0.11	0.34	32.4	0.25	43.2	NA	NA
					47.5	511.9875	0.08	0.34	22.1	0.26	29.5	NA	NA
Roof	BS	E	RAE4016ARB, 5/8 Wave (494- 512MHz)	48.0	46.6	494.9875	0.07	0.33	21.4	0.25	28.5	NA	NA
					47.1	503.0000	0.08	0.34	23.2	0.25	31.0	NA	NA
					46.4	511.9875	0.08	0.34	22.5	0.26	30.0	NA	NA

Notes:

* Frequency not regulated by FCC.

Table F.3

UHF2 Band Passenger Back MPE assessment for Trunk mounted antennas

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PB	E	AN000131A01, 1/4 wave (136- 870MHz)	54.0	53.2	450.0125	0.13	0.30	42.0	0.23	56.0	0.17	73.9
					53.3	469.9875	0.13	0.31	40.7	0.23	54.3	0.18	72.7
					53.5	482.5000	0.14	0.32	45.0	0.24	60.0	NA	NA
				48.0	46.7	496.5000	0.14	0.33	42.7	0.25	56.9	NA	NA
					47.5	511.9875	0.13	0.34	38.3	0.26	51.0	NA	NA
				30.0	30.0	*519.9875	0.10	0.35	29.6	0.26	39.5	NA	NA
Trunk	PB	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	53.2	450.0125	0.37	0.30	124.4	0.23	165.9	0.17	219.1
					53.1	460.0000	0.34	0.31	109.7	0.23	146.3	0.17	194.5
					53.3	469.9875	0.37	0.31	117.3	0.23	156.3	0.18	209.3
Trunk	PB	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.2	450.0125	0.42	0.30	140.1	0.23	186.7	0.17	246.6
					53.3	469.9875	0.43	0.31	138.0	0.23	184.0	0.18	246.4
					53.5	482.5000	0.29	0.32	91.6	0.24	122.2	NA	NA
				48.0	46.7	496.5000	0.18	0.33	53.0	0.25	70.7	NA	NA
					47.5	511.9875	0.25	0.34	74.1	0.26	98.7	NA	NA
				30.0	30.0	*519.9875	0.16	0.35	47.5	0.26	63.3	NA	NA
Trunk	PB	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.04	0.30	13.9	0.23	18.6	0.17	24.5
					53.1	460.0000	0.09	0.31	28.1	0.23	37.5	0.17	49.9
					53.3	469.9875	0.11	0.31	34.7	0.23	46.3	0.18	61.9
Trunk	PB	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.20	0.30	65.9	0.23	87.9	0.17	116.1
					53.1	460.0000	0.15	0.31	47.6	0.23	63.5	0.17	84.4
					53.3	469.9875	0.15	0.31	47.6	0.23	63.4	0.18	85.0

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

Results highlight in yellow are configurations with highest percentage of limits for passenger back.

* Frequency not regulated by FCC.

Table F.3 (Continued)**UHF2 Band Passenger Back MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PB	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.35	0.30	117.8	0.23	157.1	0.17	207.4
					53.1	460.0000	0.34	0.31	112.4	0.23	149.9	0.17	199.4
					53.3	469.9875	0.35	0.31	111.1	0.23	148.1	0.18	198.3
					53.5	482.5000	0.28	0.32	87.1	0.24	116.1	NA	NA
				48.0	46.7	496.5000	0.18	0.33	54.6	0.25	72.9	NA	NA
					47.5	511.9875	0.25	0.34	72.7	0.26	96.9	NA	NA
					30.0	*519.9875	0.13	0.35	36.1	0.26	48.2	NA	NA
Trunk	PB	E	HAE4012A, 1/2 Wave (470- 495MHz)	54.0	53.2	470.0125	0.26	0.31	81.9	0.24	109.2	NA	NA
					53.5	482.5000	0.16	0.32	48.8	0.24	65.0	NA	NA
				48.0	46.6	494.9875	0.07	0.33	21.5	0.25	28.6	NA	NA
Trunk	PB	E	RAE4015ARM, 5/8 Wave (470- 494MHz)	54.0	53.2	470.0125	0.06	0.31	20.0	0.24	26.7	NA	NA
					53.5	482.5000	0.06	0.32	20.0	0.24	26.7	NA	NA
				48.0	46.6	493.9875	0.04	0.33	11.9	0.25	15.8	NA	NA
Trunk	PB	E	HAE4013A, 1/2 Wave (494- 512MHz)	48.0	46.6	494.9875	0.09	0.33	28.7	0.25	38.2	NA	NA
					47.1	503.0000	0.15	0.34	44.3	0.25	59.1	NA	NA
					47.5	511.9875	0.12	0.34	35.1	0.26	46.9	NA	NA
Trunk	PB	E	RAE4016ARB, 5/8 Wave (494- 512MHz)	48.0	46.6	494.9875	0.04	0.33	13.4	0.25	17.9	NA	NA
					47.1	503.0000	0.06	0.34	18.5	0.25	24.6	NA	NA
					46.6	511.9875	0.08	0.34	23.2	0.26	30.9	NA	NA

Notes:

Results in bold font require SAR Simulation to demonstrate compliance to the basic requirements

* Frequency not regulated by FCC.

Table F.4**UHF2 Band Passenger Back MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	54.0	53.2	450.0125	0.04	0.30	12.3	0.23	16.4	0.17	21.7
					53.3	469.9875	0.03	0.31	10.1	0.23	13.5	0.18	18.0
					53.5	482.5000	0.03	0.32	8.0	0.24	10.6	NA	NA
				48.0	46.7	496.5000	0.02	0.33	6.5	0.25	8.7	NA	NA
					47.5	511.9875	0.02	0.34	6.6	0.26	8.8	NA	NA
				30.0	30.0	*519.9875	0.01	0.35	3.1	0.26	4.2	NA	NA
Roof	PB	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	53.2	450.0125	0.04	0.30	13.2	0.23	17.6	0.17	23.3
					53.1	460.0000	0.02	0.31	8.1	0.23	10.8	0.17	14.3
					53.3	469.9875	0.05	0.31	14.4	0.23	19.2	0.18	25.7
Roof	PB	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.2	450.0125	0.05	0.30	18.1	0.23	24.2	0.17	31.9
					53.3	469.9875	0.05	0.31	14.5	0.23	19.3	0.18	25.8
					53.5	482.5000	0.04	0.32	11.3	0.24	15.0	NA	NA
				48.0	46.7	496.5000	0.02	0.33	6.1	0.25	8.1	NA	NA
					47.5	511.9875	0.01	0.34	4.3	0.26	5.8	NA	NA
				30.0	30.0	*519.9875	0.01	0.35	3.1	0.26	4.1	NA	NA
Roof	PB	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.01	0.30	2.8	0.23	3.7	0.17	4.9
					53.1	460.0000	0.00	0.31	1.3	0.23	1.7	0.17	2.2
					53.3	469.9875	0.01	0.31	3.0	0.23	4.0	0.18	5.3
Roof	PB	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.01	0.30	3.7	0.23	5.0	0.17	6.6
					53.1	460.0000	0.01	0.31	3.1	0.23	4.1	0.17	5.5
					53.3	469.9875	0.01	0.31	4.6	0.23	6.1	0.18	8.2
Roof	PB	E	HAE4003A, 1/4 Wave (450- 470MHz)	54.0	53.2	450.0125	0.04	0.30	12.4	0.23	16.6	0.17	21.9
					53.1	460.0000	0.03	0.31	8.3	0.23	11.0	0.17	14.6
					53.3	469.9875	0.03	0.31	8.8	0.23	11.7	0.18	15.7
Roof	PB	E	HAE6016A, 1/4 Wave (450- 512MHz)	54.0	53.2	450.0125	0.04	0.30	13.0	0.23	17.3	0.17	22.9
					53.1	460.0000	0.04	0.31	12.0	0.23	16.0	0.17	21.3
					53.3	469.9875	0.04	0.31	13.7	0.23	18.3	0.18	24.5
					53.5	482.5000	0.04	0.32	12.6	0.24	16.8	NA	NA
				48.0	46.7	496.5000	0.02	0.33	5.0	0.25	6.7	NA	NA
					47.5	511.9875	0.02	0.34	6.1	0.26	8.2	NA	NA

Note:

* Frequency not regulated by FCC.

Table F.4 (Continued)**UHF2 Band Passenger Back MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.05	0.30	15.2	0.23	20.2	0.17	26.7
					53.1	460.0000	0.04	0.31	11.9	0.23	15.9	0.17	21.1
					53.3	469.9875	0.04	0.31	14.2	0.23	18.9	0.18	25.3
					53.5	482.5000	0.04	0.32	12.0	0.24	16.0	NA	NA
				48.0	46.7	496.5000	0.02	0.33	7.4	0.25	9.8	NA	NA
					47.5	511.9875	0.02	0.34	5.4	0.26	7.3	NA	NA
				30.0	30.0	*519.9875	0.01	0.35	3.4	0.26	4.5	NA	NA
Roof	PB	E	HAE4012A, 1/2 Wave (470- 495MHz)	54.0	53.2	470.0125	0.01	0.31	4.4	0.24	5.8	NA	NA
					53.5	482.5000	0.01	0.32	4.1	0.24	5.5	NA	NA
				48.0	46.6	494.9875	0.01	0.33	2.6	0.25	3.5	NA	NA
Roof	PB	E	HAE4004A, 1/4 Wave (470- 512MHz)	54.0	53.2	470.0125	0.01	0.31	3.3	0.24	4.4	NA	NA
					53.5	482.5000	0.01	0.32	1.7	0.24	2.3	NA	NA
				48.0	46.7	496.5000	0.02	0.33	5.6	0.25	7.5	NA	NA
					47.5	511.9875	0.02	0.34	5.2	0.26	7.0	NA	NA
Roof	PB	E	RAE4015ARM, 5/8 Wave (470- 494MHz)	54.0	53.2	470.0125	0.00	0.31	1.4	0.24	1.9	NA	NA
					53.5	482.5000	0.01	0.32	1.8	0.24	2.3	NA	NA
				48.0	46.4	493.9875	0.00	0.33	1.1	0.25	1.4	NA	NA
Roof	PB	E	HAE4013A, 1/2 Wave (494- 512MHz)	48.0	46.6	494.9875	0.01	0.33	4.0	0.25	5.4	NA	NA
					47.1	503.0000	0.00	0.34	0.5	0.25	0.6	NA	NA
					47.5	511.9875	0.01	0.34	1.6	0.26	2.1	NA	NA
Roof	PB	E	RAE4016ARB, 5/8 Wave (494- 512MHz)	48.0	46.6	494.9875	0.00	0.33	1.2	0.25	1.5	NA	NA
					47.1	503.0000	0.01	0.34	1.9	0.25	2.5	NA	NA
					46.4	511.9875	0.01	0.34	1.7	0.26	2.3	NA	NA

Note:

* Frequency not regulated by FCC.

Table F.5**UHF2 Band Passenger Front MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PF	E	AN000131A01, 1/4 wave (136- 870MHz)	54.0	53.2	450.0125	0.06	0.30	20.7	0.23	27.6	0.17	36.5
					53.3	469.9875	0.06	0.31	18.6	0.23	24.8	0.18	33.2
					53.5	482.5000	0.07	0.32	22.0	0.24	29.3	NA	NA
				48.0	46.7	496.5000	0.05	0.33	13.6	0.25	18.1	NA	NA
					47.5	511.9875	0.04	0.34	13.2	0.26	17.6	NA	NA
				30.0	30.0	*519.9875	0.03	0.35	8.8	0.26	11.7	NA	NA
Trunk	PF	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	53.2	450.0125	0.07	0.30	22.5	0.23	30.1	0.17	39.7
					53.1	460.0000	0.06	0.31	20.3	0.23	27.0	0.17	35.9
					53.3	469.9875	0.08	0.31	25.0	0.23	33.3	0.18	44.6
Trunk	PF	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.2	450.0125	0.08	0.30	25.8	0.23	34.4	0.17	45.4
					53.3	469.9875	0.08	0.31	25.7	0.23	34.3	0.18	45.9
					53.5	482.5000	0.09	0.32	28.3	0.24	37.8	NA	NA
				48.0	46.7	496.5000	0.05	0.33	16.5	0.25	22.0	NA	NA
					47.5	511.9875	0.10	0.34	29.2	0.26	38.9	NA	NA
				30.0	30.0	*519.9875	0.06	0.35	17.2	0.26	22.9	NA	NA
Trunk	PF	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.02	0.30	6.8	0.23	9.1	0.17	12.1
					53.1	460.0000	0.02	0.31	8.1	0.23	10.8	0.17	14.3
					53.3	469.9875	0.04	0.31	13.1	0.23	17.5	0.18	23.4
Trunk	PF	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.04	0.30	14.3	0.23	19.0	0.17	25.1
					53.1	460.0000	0.03	0.31	10.8	0.23	14.4	0.17	19.2
					53.3	469.9875	0.05	0.31	15.7	0.23	20.9	0.18	28.0

Notes:

Results highlight in yellow are configurations with highest percentage of limits for passenger front.

* Frequency not regulated by FCC.

Table F.5 (Continued)**UHF2 Band Passenger Front MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PF	E	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.06	0.30	20.9	0.23	27.8	0.17	36.8
					53.1	460.0000	0.07	0.31	24.3	0.23	32.4	0.17	43.1
					53.3	469.9875	0.09	0.31	27.4	0.23	36.5	0.18	48.8
					53.5	482.5000	0.08	0.32	25.0	0.24	33.4	NA	NA
				48.0	46.7	496.5000	0.05	0.33	16.5	0.25	21.9	NA	NA
					47.5	511.9875	0.08	0.34	23.5	0.26	31.3	NA	NA
				30.0	30.0	*519.9875	0.06	0.35	16.5	0.26	22.0	NA	NA
Trunk	PF	E	HAE4012A, 1/2 Wave (470- 495MHz)	54.0	53.2	470.0125	0.07	0.31	21.1	0.24	28.1	NA	NA
					53.5	482.5000	0.04	0.32	12.6	0.24	16.8	NA	NA
				48.0	46.6	494.9875	0.03	0.33	9.4	0.25	12.5	NA	NA
Trunk	PF	E	RAE4015ARM, 5/8 Wave (470- 494MHz)	54.0	53.2	470.0125	0.01	0.31	3.9	0.24	5.2	NA	NA
					53.5	482.5000	0.02	0.32	7.1	0.24	9.4	NA	NA
				48.0	46.6	493.9875	0.01	0.33	3.4	0.25	4.5	NA	NA
Trunk	PF	E	HAE4013A, 1/2 Wave (494- 512MHz)	48.0	46.6	494.9875	0.04	0.33	11.1	0.25	14.8	NA	NA
					47.1	503.0000	0.06	0.34	16.9	0.25	22.5	NA	NA
					47.5	511.9875	0.07	0.34	19.7	0.26	26.3	NA	NA
Trunk	PF	E	RAE4016ARB, 5/8 Wave (494- 512MHz)	48.0	46.6	494.9875	0.02	0.33	6.1	0.25	8.2	NA	NA
					47.1	503.0000	0.03	0.34	8.7	0.25	11.6	NA	NA
					46.6	511.9875	0.03	0.34	8.3	0.26	11.1	NA	NA

Notes:

Results highlight in yellow are configurations with highest percentage of limits for passenger front.

* Frequency not regulated by FCC.

Table F.6**UHF2 Band Passenger Front MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	54.0	53.2	450.0125	0.01	0.30	2.5	0.23	3.4	0.17	4.5
					53.3	469.9875	0.00	0.31	1.6	0.23	2.1	0.18	2.8
					53.5	482.5000	0.02	0.32	6.3	0.24	8.3	NA	NA
				48.0	46.7	496.5000	0.04	0.33	13.6	0.25	18.1	NA	NA
					47.5	511.9875	0.03	0.34	9.9	0.26	13.3	NA	NA
				30.0	30.0	*519.9875	0.03	0.35	8.2	0.26	10.9	NA	NA
Roof	PF	E	HAE6013A, 1/2 Wave (380- 470MHz)	54.0	53.2	450.0125	0.04	0.30	12.7	0.23	16.9	0.17	22.3
					53.1	460.0000	0.02	0.31	7.4	0.23	9.9	0.17	13.1
					53.3	469.9875	0.02	0.31	7.2	0.23	9.6	0.18	12.8
Roof	PF	E	HAE6031A, 1/2 Wave (380- 520MHz)	54.0	53.2	450.0125	0.05	0.30	17.5	0.23	23.3	0.17	30.8
					53.3	469.9875	0.03	0.31	10.3	0.23	13.8	0.18	18.4
					53.5	482.5000	0.02	0.32	6.7	0.24	8.9	NA	NA
				48.0	46.7	496.5000	0.04	0.33	11.5	0.25	15.3	NA	NA
					47.5	511.9875	0.03	0.34	7.5	0.26	10.0	NA	NA
				30.0	30.0	*519.9875	0.02	0.35	5.1	0.26	6.8	NA	NA
Roof	PF	E	RAE4014ARB, 5/8 Wave (445- 470MHz)	54.0	53.2	450.0125	0.01	0.30	2.4	0.23	3.1	0.17	4.2
					53.1	460.0000	0.01	0.31	3.0	0.23	3.9	0.17	5.2
					53.3	469.9875	0.01	0.31	1.8	0.23	2.5	0.18	3.3
Roof	PF	E	HAE4011A, 1/2 Wave (450- 470MHz)	54.0	53.2	450.0125	0.02	0.30	5.2	0.23	6.9	0.17	9.1
					53.1	460.0000	0.01	0.31	3.5	0.23	4.7	0.17	6.3
					53.3	469.9875	0.01	0.31	2.4	0.23	3.1	0.18	4.2
Roof	PF	E	HAE4003A, 1/4 Wave (450- 470MHz)	54.0	53.2	450.0125	0.04	0.30	11.7	0.23	15.6	0.17	20.6
					53.1	460.0000	0.03	0.31	10.1	0.23	13.4	0.17	17.9
					53.3	469.9875	0.03	0.31	9.6	0.23	12.8	0.18	17.1
Roof	PF	E	HAE6016A, 1/4 Wave (450- 512MHz)	54.0	53.2	450.0125	0.03	0.30	9.0	0.23	12.0	0.17	15.9
					53.1	460.0000	0.03	0.31	10.3	0.23	13.7	0.17	18.3
					53.3	469.9875	0.02	0.31	7.3	0.23	9.7	0.18	13.0
					53.5	482.5000	0.03	0.32	9.3	0.24	12.4	NA	NA
				48.0	46.7	496.5000	0.04	0.33	10.8	0.25	14.3	NA	NA
					47.5	511.9875	0.03	0.34	7.6	0.26	10.2	NA	NA

Note:

* Frequency not regulated by FCC.

Table F.6 (Continued)**UHF2 Band Passenger Front MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	HAE6015A, 1/2 Wave (450- 520MHz)	54.0	53.2	450.0125	0.05	0.30	15.9	0.23	21.2	0.17	28.0
					53.1	460.0000	0.04	0.31	11.8	0.23	15.7	0.17	20.9
					53.3	469.9875	0.03	0.31	11.0	0.23	14.6	0.18	19.6
					53.5	482.5000	0.02	0.32	7.0	0.24	9.4	NA	NA
				48.0	46.7	496.5000	0.04	0.33	12.8	0.25	17.0	NA	NA
					47.5	511.9875	0.03	0.34	7.7	0.26	10.3	NA	NA
				30.0	30.0	*519.9875	0.02	0.35	5.5	0.26	7.3	NA	NA
Roof	PF	E	HAE4012A, 1/2 Wave (470- 495MHz)	54.0	53.2	470.0125	0.01	0.31	3.6	0.24	4.9	NA	NA
					53.5	482.5000	0.01	0.32	2.7	0.24	3.6	NA	NA
				48.0	46.6	494.9875	0.01	0.33	3.7	0.25	4.9	NA	NA
Roof	PF	E	HAE4004A, 1/4 Wave (470- 512MHz)	54.0	53.2	470.0125	0.03	0.31	9.9	0.24	13.3	NA	NA
					53.5	482.5000	0.03	0.32	10.0	0.24	13.4	NA	NA
				48.0	46.7	496.5000	0.04	0.33	11.2	0.25	14.9	NA	NA
					47.5	511.9875	0.02	0.34	5.8	0.26	7.7	NA	NA
Roof	PF	E	RAE4015ARM, 5/8 Wave (470- 494MHz)	54.0	53.2	470.0125	0.00	0.31	0.4	0.24	0.6	NA	NA
					53.5	482.5000	0.00	0.32	1.0	0.24	1.3	NA	NA
				48.0	46.4	493.9875	0.00	0.33	1.5	0.25	2.0	NA	NA
Roof	PF	E	HAE4013A, 1/2 Wave (494- 512MHz)	48.0	46.6	494.9875	0.01	0.33	2.9	0.25	3.8	NA	NA
					47.1	503.0000	0.01	0.34	3.5	0.25	4.7	NA	NA
					47.5	511.9875	0.01	0.34	1.7	0.26	2.2	NA	NA
Roof	PF	E	RAE4016ARB, 5/8 Wave (494- 512MHz)	48.0	46.6	494.9875	0.00	0.33	1.2	0.25	1.6	NA	NA
					47.1	503.0000	0.01	0.34	2.4	0.25	3.2	NA	NA
					46.4	511.9875	0.01	0.34	1.6	0.26	2.1	NA	NA

Note:

* Frequency not regulated by FCC.

Appendix G – MPE Test Results Summary for LMR 7/800

Table G.1**7/800 Band Bystander MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	AN000131A01, 1/4 wave (136- 870MHz)	36.0	36.0	*764.0875	0.16	0.51	32.3	0.38	43.1	NA	NA
					36.0	770.0125	0.19	0.51	36.2	0.39	48.3	0.25	75.7
					36.0	775.9125	0.16	0.52	30.1	0.39	40.1	0.25	63.0
					35.4	*794.0875	0.16	0.53	29.7	0.40	39.6	NA	NA
				42.0	41.6	806.0125	0.17	0.54	31.9	0.40	42.6	0.25	67.6
					41.0	823.9875	0.13	0.55	23.4	0.41	31.1	0.26	49.8
					40.3	851.0125	0.12	0.57	21.2	0.43	28.2	0.26	45.6
					40.0	862.0125	0.13	0.57	22.8	0.43	30.3	0.27	49.2
					40.1	868.8875	0.12	0.58	20.0	0.43	26.7	0.27	43.4
Trunk	BS	E	HAF4013A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.13	0.51	24.9	0.38	33.2	NA	NA
					36.0	770.0125	0.16	0.51	30.6	0.39	40.9	0.25	64.0
					36.0	775.9125	0.16	0.52	30.6	0.39	40.8	0.25	64.1
					35.4	*794.0875	0.14	0.53	26.5	0.40	35.4	NA	NA
				42.0	41.6	806.0125	0.17	0.54	32.2	0.40	43.0	0.25	68.3
					41.0	823.9875	0.16	0.55	29.7	0.41	39.6	0.26	63.3
					40.3	851.0125	0.15	0.57	26.9	0.43	35.9	0.26	58.0
					40.0	862.0125	0.12	0.57	21.0	0.43	28.0	0.27	45.5
					40.1	868.8875	0.14	0.58	23.8	0.43	31.8	0.27	51.7
Trunk	BS	E	HAF4014A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.08	0.51	15.6	0.38	20.9	NA	NA
					36.0	770.0125	0.09	0.51	17.2	0.39	22.9	0.25	35.8
					36.0	775.9125	0.12	0.52	23.3	0.39	31.0	0.25	48.7
					35.4	*794.0875	0.10	0.53	19.0	0.40	25.3	NA	NA
				42.0	41.6	806.0125	0.14	0.54	25.7	0.40	34.3	0.25	54.5
					41.0	823.9875	0.18	0.55	33.1	0.41	44.1	0.26	70.5
					40.3	851.0125	0.22	0.57	38.7	0.43	51.6	0.26	83.4
					40.0	862.0125	0.22	0.57	37.7	0.43	50.3	0.27	81.6
					40.1	868.8875	0.19	0.58	33.1	0.43	44.2	0.27	71.9

Notes:

Results highlight in yellow are configurations with highest percentage of limits for bystander.

* Frequency not regulated by FCC.

Table G.1 (Continued)**7/800 Band Bystander MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	BS	E	HAF4016A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.13	0.51	25.4	0.38	26.6	NA	NA
					36.0	770.0125	0.15	0.51	28.9	0.39	38.5	0.25	60.4
					36.0	775.9125	0.15	0.52	29.4	0.39	39.2	0.25	61.5
					35.4	*794.0875	0.14	0.53	26.0	0.40	34.6	NA	NA
				42.0	41.6	806.0125	0.16	0.54	30.2	0.40	40.2	0.25	63.9
					41.0	823.9875	0.15	0.55	27.7	0.41	37.0	0.26	59.1
					40.3	851.0125	0.16	0.57	28.0	0.43	37.3	0.26	60.2
					40.0	862.0125	0.15	0.57	25.5	0.43	34.0	0.27	55.2
					40.1	868.8875	0.13	0.58	21.7	0.43	28.9	0.27	47.1
Trunk	BS	E	HAF4017A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.10	0.51	20.2	0.38	26.9	NA	NA
					36.0	770.0125	0.13	0.51	25.7	0.39	34.2	0.25	53.6
					36.0	775.9125	0.13	0.52	25.9	0.39	34.6	0.25	54.2
					35.4	*794.0875	0.12	0.53	23.4	0.40	31.2	NA	NA
				42.0	41.6	806.0125	0.16	0.54	29.4	0.40	39.2	0.25	62.3
					41.0	823.9875	0.14	0.55	24.9	0.41	33.2	0.26	53.1
					40.3	851.0125	0.16	0.57	27.7	0.43	37.0	0.26	59.7
					40.0	862.0125	0.12	0.57	21.0	0.43	28.0	0.27	45.5
					40.1	868.8875	0.12	0.58	21.2	0.43	28.2	0.27	45.9
45 Degree													
Trunk	BS	E	HAF4014A, 1/4 Wave (764- 870MHz)	42.0	40.3	851.0125	0.09	0.57	16.2	0.43	21.5	0.26	34.8
90 Degree													
Trunk	BS	E	HAF4014A, 1/4 Wave (764- 870MHz)	42.0	40.3	851.0125	0.19	0.57	34.3	0.43	45.7	0.26	73.9

Note:

* Frequency not regulated by FCC.

Table G.2**7/800 Band Bystander MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	E	AN000131A01, 1/4 wave (136- 870MHz)	36.0	36.0	*764.0875	0.01	0.51	2.9	0.38	3.9	NA	NA
					36.0	770.0125	0.02	0.51	3.2	0.39	4.3	0.25	6.8
					36.0	775.9125	0.02	0.52	4.6	0.39	6.1	0.25	9.6
					35.4	*794.0875	0.02	0.53	3.6	0.40	4.8	NA	NA
				42.0	41.6	806.0125	0.03	0.54	5.1	0.40	6.8	0.25	10.7
					41.0	823.9875	0.04	0.55	6.8	0.41	9.1	0.26	14.5
					40.3	851.0125	0.05	0.57	8.2	0.43	10.9	0.26	17.6
					40.0	862.0125	0.03	0.57	5.9	0.43	7.9	0.27	12.8
					40.1	868.8875	0.03	0.58	5.5	0.43	7.3	0.27	11.9
Roof	BS	E	HAF4013A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.05	0.51	10.1	0.38	13.5	NA	NA
					36.0	770.0125	0.07	0.51	12.8	0.39	17.1	0.25	26.7
					36.0	775.9125	0.07	0.52	12.9	0.39	17.3	0.25	27.1
					35.4	*794.0875	0.07	0.53	12.7	0.40	17.0	NA	NA
				42.0	41.6	806.0125	0.08	0.54	15.7	0.40	20.9	0.25	33.2
					41.0	823.9875	0.09	0.55	17.3	0.41	23.0	0.26	36.8
					40.3	851.0125	0.10	0.57	17.8	0.43	23.8	0.26	38.4
					40.0	862.0125	0.08	0.57	14.0	0.43	18.6	0.27	30.2
					40.1	868.8875	0.07	0.58	12.1	0.43	16.1	0.27	26.2
Roof	BS	E	HAF4014A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.04	0.51	8.7	0.38	11.6	NA	NA
					36.0	770.0125	0.04	0.51	8.7	0.39	11.6	0.25	18.2
					36.0	775.9125	0.06	0.52	10.8	0.39	14.4	0.25	22.6
					35.4	*794.0875	0.06	0.53	11.4	0.40	15.2	NA	NA
				42.0	41.6	806.0125	0.08	0.54	14.7	0.40	19.6	0.25	31.2
					41.0	823.9875	0.10	0.55	18.7	0.41	24.9	0.26	39.9
					40.3	851.0125	0.08	0.57	14.0	0.43	18.7	0.26	30.2
					40.0	862.0125	0.08	0.57	13.6	0.43	18.1	0.27	29.4
					40.1	868.8875	0.07	0.58	12.8	0.43	17.1	0.27	27.9

Note:

* Frequency not regulated by FCC.

Table G.2 (Continued)**7/800 Band Bystander MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	BS	E	HAF4016A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.05	0.51	10.6	0.38	14.1	NA	NA
					36.0	770.0125	0.06	0.51	11.9	0.39	15.8	0.25	24.8
					36.0	775.9125	0.06	0.52	12.4	0.39	16.5	0.25	25.9
					35.4	*794.0875	0.06	0.53	12.0	0.40	16.0	NA	NA
				42.0	41.6	806.0125	0.09	0.54	16.6	0.40	22.2	0.25	35.2
					41.0	823.9875	0.10	0.55	22.1	0.41	29.4	0.26	47.0
					40.3	851.0125	0.09	0.57	16.5	0.43	21.9	0.26	35.5
					40.0	862.0125	0.08	0.57	15.6	0.43	20.9	0.27	33.8
					40.1	868.8875	0.07	0.58	11.8	0.43	15.7	0.27	25.6
Roof	BS	E	HAF4017A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.05	0.51	10.4	0.38	13.9	NA	NA
					36.0	770.0125	0.07	0.51	14.2	0.39	18.9	0.25	29.6
					36.0	775.9125	0.08	0.52	15.3	0.39	20.4	0.25	32.1
					35.4	*794.0875	0.09	0.53	16.2	0.40	21.6	NA	NA
				42.0	41.6	806.0125	0.09	0.54	16.7	0.40	22.3	0.25	35.4
					41.0	823.9875	0.09	0.55	17.1	0.41	22.7	0.26	36.4
					40.3	851.0125	0.10	0.57	16.9	0.43	22.5	0.26	36.3
					40.0	862.0125	0.07	0.57	12.8	0.43	17.1	0.27	27.7
					40.1	868.8875	0.06	0.58	10.8	0.43	14.4	0.27	23.3

Note:

* Frequency not regulated by FCC.

Table G.3**7/800 Band Passenger back MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PB	E	AN000131A01, 1/4 wave (136- 870MHz)	36.0	36.0	*764.0875	0.04	0.51	8.4	0.38	11.2	NA	NA
					36.0	770.0125	0.05	0.51	10.0	0.39	13.4	0.25	20.9
					36.0	775.9125	0.05	0.52	9.2	0.39	12.3	0.25	19.3
					35.4	*794.0875	0.07	0.53	13.0	0.40	17.4	NA	NA
				42.0	41.6	806.0125	0.06	0.54	11.3	0.40	15.0	0.25	23.8
					41.0	823.9875	0.04	0.55	8.0	0.41	10.7	0.26	17.2
					40.3	851.0125	0.04	0.57	6.7	0.43	8.9	0.26	14.5
					40.0	862.0125	0.02	0.57	3.7	0.43	4.9	0.27	8.0
					40.1	868.8875	0.01	0.58	2.0	0.43	2.7	0.27	4.4
Trunk	PB	E	HAF4013A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.06	0.51	11.6	0.38	15.4	NA	NA
					36.0	770.0125	0.07	0.51	13.5	0.39	18.0	0.25	28.2
					36.0	775.9125	0.05	0.52	9.2	0.39	12.3	0.25	19.3
					35.4	*794.0875	0.10	0.53	18.8	0.40	25.0	NA	NA
				42.0	41.6	806.0125	0.08	0.54	15.6	0.40	20.8	0.25	33.0
					41.0	823.9875	0.08	0.55	14.9	0.41	19.9	0.26	31.8
					40.3	851.0125	0.10	0.57	17.4	0.43	23.2	0.26	37.5
					40.0	862.0125	0.09	0.57	15.0	0.43	20.1	0.27	32.6
					40.1	868.8875	0.07	0.58	12.4	0.43	16.5	0.27	26.9
Trunk	PB	E	HAF4014A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.02	0.51	4.4	0.38	5.8	NA	NA
					36.0	770.0125	0.02	0.51	3.8	0.39	5.1	0.25	8.0
					36.0	775.9125	0.03	0.52	5.6	0.39	7.5	0.25	11.7
					35.4	*794.0875	0.04	0.53	7.1	0.40	9.4	NA	NA
				42.0	41.6	806.0125	0.11	0.54	21.2	0.40	28.3	0.25	44.9
					41.0	823.9875	0.11	0.55	20.1	0.41	26.8	0.26	42.8
					40.3	851.0125	0.08	0.57	14.5	0.43	19.3	0.26	31.2
					40.0	862.0125	0.12	0.57	21.6	0.43	28.8	0.27	46.8
					40.1	868.8875	0.09	0.58	15.7	0.43	20.9	0.27	34.0

Note:

* Frequency not regulated by FCC.

Table G.3 (Continued)**7/800 Band Passenger back MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PB	E	HAF4016A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.06	0.51	10.9	0.38	14.5	NA	NA
					36.0	770.0125	0.08	0.51	15.8	0.39	21.0	0.25	32.9
					36.0	775.9125	0.07	0.52	14.2	0.39	19.0	0.25	29.8
					35.4	*794.0875	0.05	0.53	10.0	0.40	13.3	NA	NA
				42.0	41.6	806.0125	0.07	0.54	13.9	0.40	18.6	0.25	29.5
					41.0	823.9875	0.07	0.55	12.9	0.41	17.2	0.26	27.5
					40.3	851.0125	0.08	0.57	14.5	0.43	19.4	0.26	31.3
					40.0	862.0125	0.06	0.57	11.2	0.43	15.0	0.27	24.3
					40.1	868.8875	0.07	0.58	11.4	0.43	15.2	0.27	24.7
Trunk	PB	E	HAF4017A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.10	0.51	20.4	0.38	27.1	NA	NA
					36.0	770.0125	0.11	0.51	20.6	0.39	27.5	0.25	43.0
					36.0	775.9125	0.14	0.52	27.5	0.39	36.7	0.25	57.6
					35.4	*794.0875	0.15	0.53	28.9	0.40	38.5	NA	NA
				42.0	41.6	806.0125	0.17	0.54	31.7	0.40	42.3	0.25	67.2
					41.0	823.9875	0.13	0.55	24.2	0.41	32.2	0.26	51.6
					40.3	851.0125	0.08	0.57	14.9	0.43	19.9	0.26	32.2
					40.0	862.0125	0.08	0.57	14.6	0.43	19.4	0.27	31.5
					40.1	868.8875	0.08	0.58	13.3	0.43	17.8	0.27	28.9

Notes:

Results highlight in yellow are configurations with highest percentage of limits for passenger back.

* Frequency not regulated by FCC.

Table G.4**7/800 Band Passenger back MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	36.0	36.0	*764.0875	0.01	0.51	2.7	0.38	3.5	NA	NA
					36.0	770.0125	0.02	0.51	3.8	0.39	5.1	0.25	7.9
					36.0	775.9125	0.01	0.52	2.9	0.39	3.8	0.25	6.0
					35.4	*794.0875	0.03	0.53	4.8	0.40	6.4	NA	NA
				42.0	41.6	806.0125	0.03	0.54	5.0	0.40	6.7	0.25	10.6
					41.0	823.9875	0.02	0.55	4.1	0.41	5.4	0.26	8.7
					40.3	851.0125	0.02	0.57	2.7	0.43	3.6	0.26	5.9
					40.0	862.0125	0.01	0.57	1.7	0.43	2.3	0.27	3.8
					40.1	868.8875	0.01	0.58	1.0	0.43	1.3	0.27	2.1
Roof	PB	E	HAF4013A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.01	0.51	2.5	0.38	3.4	NA	NA
					36.0	770.0125	0.02	0.51	3.7	0.39	4.9	0.25	7.7
					36.0	775.9125	0.02	0.52	4.0	0.39	5.3	0.25	8.3
					35.4	*794.0875	0.03	0.53	5.0	0.40	6.7	NA	NA
				42.0	41.6	806.0125	0.02	0.54	4.2	0.40	5.6	0.25	8.9
					41.0	823.9875	0.03	0.55	4.6	0.41	6.1	0.26	9.8
					40.3	851.0125	0.02	0.57	3.2	0.43	4.3	0.26	7.0
					40.0	862.0125	0.01	0.57	1.3	0.43	1.7	0.27	2.8
					40.1	868.8875	0.01	0.58	2.6	0.43	3.4	0.27	5.6
Roof	PB	E	HAF4014A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.00	0.51	0.2	0.38	0.2	NA	NA
					36.0	770.0125	0.00	0.51	0.2	0.39	0.3	0.25	0.4
					36.0	775.9125	0.00	0.52	0.1	0.39	0.2	0.25	0.3
					35.4	*794.0875	0.00	0.53	0.2	0.40	0.2	NA	NA
				42.0	41.6	806.0125	0.01	0.54	2.3	0.40	3.0	0.25	4.8
					41.0	823.9875	0.01	0.55	2.3	0.41	3.0	0.26	4.8
					40.3	851.0125	0.01	0.57	1.6	0.43	2.1	0.26	3.4
					40.0	862.0125	0.02	0.57	3.9	0.43	5.1	0.27	8.3
					40.1	868.8875	0.01	0.58	1.4	0.43	1.9	0.27	3.1

Note:

* Frequency not regulated by FCC.

Table G.4 (Continued)**7/800 Band Passenger back MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	HAF4016A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.01	0.51	2.9	0.38	3.9	NA	NA
					36.0	770.0125	0.02	0.51	3.4	0.39	4.5	0.25	7.1
					36.0	775.9125	0.02	0.52	4.2	0.39	5.6	0.25	8.8
					35.4	*794.0875	0.02	0.53	3.7	0.40	4.9	NA	NA
				42.0	41.6	806.0125	0.02	0.54	4.2	0.40	5.7	0.25	9.0
					41.0	823.9875	0.02	0.55	4.2	0.41	5.6	0.26	9.0
					40.3	851.0125	0.01	0.57	1.8	0.43	2.4	0.26	3.9
					40.0	862.0125	0.02	0.57	2.8	0.43	3.8	0.27	6.2
					40.1	868.8875	0.01	0.58	2.0	0.43	2.7	0.27	4.4
Roof	PB	E	HAF4017A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.03	0.51	5.5	0.38	7.3	NA	NA
					36.0	770.0125	0.04	0.51	7.7	0.39	10.2	0.25	16.0
					36.0	775.9125	0.05	0.52	9.4	0.39	12.5	0.25	19.6
					35.4	*794.0875	0.02	0.53	4.6	0.40	6.2	NA	NA
				42.0	41.6	806.0125	0.06	0.54	10.2	0.40	13.7	0.25	21.7
					41.0	823.9875	0.03	0.55	4.8	0.41	6.4	0.26	10.2
					40.3	851.0125	0.02	0.57	3.4	0.43	4.6	0.26	7.4
					40.0	862.0125	0.01	0.57	2.3	0.43	3.1	0.27	5.0
					40.1	868.8875	0.01	0.58	2.2	0.43	3.0	0.27	4.9

Note:

* Frequency not regulated by FCC.

Table G.5**7/800 Band Passenger front MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PF	E	AN000131A01, 1/4 wave (136- 870MHz)	36.0	36.0	*764.0875	0.03	0.51	5.9	0.38	7.8	NA	NA
					36.0	770.0125	0.05	0.51	9.0	0.39	12.0	0.25	18.7
					36.0	775.9125	0.04	0.52	8.3	0.39	11.1	0.25	17.4
					35.4	*794.0875	0.05	0.53	10.2	0.40	13.6	NA	NA
				42.0	41.6	806.0125	0.05	0.54	9.3	0.40	12.4	0.25	19.7
					41.0	823.9875	0.04	0.55	7.2	0.41	9.6	0.26	15.3
					40.3	851.0125	0.03	0.57	5.6	0.43	7.5	0.26	12.1
					40.0	862.0125	0.02	0.57	2.8	0.43	3.8	0.27	6.1
					40.1	868.8875	0.01	0.58	2.3	0.43	3.1	0.27	5.0
Trunk	PF	E	HAF4013A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.03	0.51	5.3	0.38	7.0	NA	NA
					36.0	770.0125	0.03	0.51	5.0	0.39	6.6	0.25	10.4
					36.0	775.9125	0.04	0.52	7.1	0.39	9.5	0.25	15.0
					35.4	*794.0875	0.05	0.53	10.1	0.40	13.4	NA	NA
				42.0	41.6	806.0125	0.06	0.54	10.8	0.40	14.4	0.25	22.9
					41.0	823.9875	0.06	0.55	10.9	0.41	14.5	0.26	23.2
					40.3	851.0125	0.09	0.57	15.4	0.43	20.5	0.26	33.1
					40.0	862.0125	0.05	0.57	8.8	0.43	11.8	0.27	19.1
					40.1	868.8875	0.05	0.58	8.0	0.43	10.7	0.27	17.4
Trunk	PF	E	HAF4014A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.03	0.51	6.8	0.38	9.1	NA	NA
					36.0	770.0125	0.05	0.51	10.1	0.39	13.5	0.25	21.1
					36.0	775.9125	0.04	0.52	8.3	0.39	11.0	0.25	17.3
					35.4	*794.0875	0.06	0.53	11.4	0.40	15.2	NA	NA
				42.0	41.6	806.0125	0.06	0.54	10.8	0.40	14.3	0.25	22.8
					41.0	823.9875	0.07	0.55	11.9	0.41	15.9	0.26	25.4
					40.3	851.0125	0.08	0.57	14.6	0.43	19.5	0.26	31.5
					40.0	862.0125	0.06	0.57	10.2	0.43	13.5	0.27	22.0
					40.1	868.8875	0.06	0.58	9.6	0.43	12.8	0.27	20.8

Note:

* Frequency not regulated by FCC.

Table G.5 (Continued)**7/800 Band Passenger front MPE assessment for Trunk mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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
Trunk	PF	E	HAF4016A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.06	0.51	12.7	0.38	16.9	NA	NA
					36.0	770.0125	0.10	0.51	18.6	0.39	24.8	0.25	38.8
					36.0	775.9125	0.09	0.52	17.5	0.39	23.3	0.25	36.6
					35.4	*794.0875	0.08	0.53	14.7	0.40	19.6	NA	NA
				42.0	41.6	806.0125	0.09	0.54	16.3	0.40	21.7	0.25	34.5
					41.0	823.9875	0.12	0.55	21.4	0.41	28.5	0.26	45.6
					40.3	851.0125	0.11	0.57	19.7	0.43	26.3	0.26	42.5
					40.0	862.0125	0.09	0.57	14.9	0.43	19.8	0.27	32.2
					40.1	868.8875	0.07	0.58	11.4	0.43	15.2	0.27	24.7
Trunk	PF	E	HAF4017A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.02	0.51	3.7	0.38	5.0	NA	NA
					36.0	770.0125	0.02	0.51	4.0	0.39	5.3	0.25	8.3
					36.0	775.9125	0.04	0.52	7.7	0.39	10.2	0.25	16.1
					35.4	*794.0875	0.04	0.53	7.6	0.40	10.1	NA	NA
				42.0	41.6	806.0125	0.06	0.54	10.9	0.40	14.6	0.25	23.2
					41.0	823.9875	0.12	0.55	22.3	0.41	29.7	0.26	47.5
					40.3	851.0125	0.10	0.57	17.8	0.43	23.7	0.26	38.4
					40.0	862.0125	0.09	0.57	15.4	0.43	20.6	0.27	33.4
					40.1	868.8875	0.07	0.58	11.8	0.43	15.7	0.27	25.6

Notes:

Results highlight in yellow are configurations with highest percentage of limits for passenger front

* Frequency not regulated by FCC.

Table G.6**7/800 Band Passenger front MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	AN000131A01, 1/4 wave (136- 870MHz)	36.0	36.0	*764.0875	0.00	0.51	0.4	0.38	0.6	NA	NA
					36.0	770.0125	0.00	0.51	0.3	0.39	0.4	0.25	0.6
					36.0	775.9125	0.00	0.52	0.3	0.39	0.4	0.25	0.7
					35.4	*794.0875	0.00	0.53	0.4	0.40	0.5	NA	NA
				42.0	41.6	806.0125	0.00	0.54	0.9	0.40	1.2	0.25	1.9
					41.0	823.9875	0.01	0.55	1.5	0.41	2.0	0.26	3.3
					40.3	851.0125	0.01	0.57	1.0	0.43	1.4	0.26	2.2
					40.0	862.0125	0.00	0.57	0.7	0.43	0.9	0.27	1.5
					40.1	868.8875	0.00	0.58	0.9	0.43	1.1	0.27	1.9
Roof	PF	E	HAF4013A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.00	0.51	0.5	0.38	0.7	NA	NA
					36.0	770.0125	0.00	0.51	0.3	0.39	0.4	0.25	0.6
					36.0	775.9125	0.00	0.52	0.4	0.39	0.5	0.25	0.9
					35.4	*794.0875	0.00	0.53	0.4	0.40	0.6	NA	NA
				42.0	41.6	806.0125	0.01	0.54	1.1	0.40	1.5	0.25	2.3
					41.0	823.9875	0.00	0.55	0.6	0.41	0.9	0.26	1.4
					40.3	851.0125	0.01	0.57	1.2	0.43	1.6	0.26	2.6
					40.0	862.0125	0.01	0.57	1.3	0.43	1.7	0.27	2.8
					40.1	868.8875	0.02	0.58	2.9	0.43	3.9	0.27	6.4
Roof	PF	E	HAF4014A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.00	0.51	0.1	0.38	0.1	NA	NA
					36.0	770.0125	0.00	0.51	0.1	0.39	0.1	0.25	0.2
					36.0	775.9125	0.00	0.52	0.1	0.39	0.1	0.25	0.2
					35.4	*794.0875	0.00	0.53	0.1	0.40	0.1	NA	NA
				42.0	41.6	806.0125	0.00	0.54	0.7	0.40	0.9	0.25	1.5
					41.0	823.9875	0.00	0.55	0.7	0.41	0.9	0.26	1.5
					40.3	851.0125	0.01	0.57	1.7	0.43	2.3	0.26	3.7
					40.0	862.0125	0.01	0.57	2.0	0.43	2.7	0.27	4.3
					40.1	868.8875	0.01	0.58	2.2	0.43	2.9	0.27	4.7

Note:

* Frequency not regulated by FCC

Table G.6 (Continued)**7/800 Band Passenger front MPE assessment for Roof mounted antennas**

Trunk/ Roof	Test Position	E/H Field	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	HAF4016A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.00	0.51	0.4	0.38	0.6	NA	NA
					36.0	770.0125	0.00	0.51	0.4	0.39	0.6	0.25	0.9
					36.0	775.9125	0.01	0.52	1.0	0.39	1.3	0.25	2.0
					35.4	*794.0875	0.00	0.53	0.7	0.40	0.9	NA	NA
				42.0	41.6	806.0125	0.01	0.54	2.1	0.40	2.9	0.25	4.5
					41.0	823.9875	0.01	0.55	0.9	0.41	1.2	0.26	2.0
					40.3	851.0125	0.01	0.57	1.2	0.43	1.5	0.26	2.5
					40.0	862.0125	0.01	0.57	1.3	0.43	1.7	0.27	2.8
					40.1	868.8875	0.01	0.58	1.7	0.43	2.3	0.27	3.7
Roof	PF	E	HAF4017A, 1/4 Wave (764- 870MHz)	36.0	36.0	*764.0875	0.01	0.51	1.0	0.38	1.4	NA	NA
					36.0	770.0125	0.01	0.51	1.5	0.39	2.1	0.25	3.2
					36.0	775.9125	0.01	0.52	1.5	0.39	1.9	0.25	3.1
					35.4	*794.0875	0.02	0.53	3.6	0.40	4.8	NA	NA
				42.0	41.6	806.0125	0.02	0.54	3.9	0.40	5.1	0.25	8.2
					41.0	823.9875	0.01	0.55	1.8	0.41	2.5	0.26	3.9
					40.3	851.0125	0.01	0.57	2.0	0.43	2.7	0.26	4.3
					40.0	862.0125	0.01	0.57	1.7	0.43	2.2	0.27	3.6
					40.1	868.8875	0.02	0.58	3.7	0.43	4.9	0.27	8.0

Note:

* Frequency not regulated by FCC