MOTOROLA SOLUTIONS

MS ISO/IEC 17025 TESTING SAMM No. 0826

ACCREDITED CERTIFICATE 2518.05

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: 04/03/2020
Report Revision: A

Responsible Engineer:	Goh Jue Yie (EME Engineer)
Report author:	Goh Jue Yie (EME Engineer)
Date(s) Tested:	2/17/2017-3/17/2017; 3/25/2020 - 3/27/2020
Manufacturer:	Futurecom Systems Group (DVR), Motorola Solutions. Inc (Mobile)
Date submitted for test:	01/13/2017; 03/25/2020
DUT Description:	**APX6500 VHF**: Multiple HW Encryption WiFi Interoperability Data Modem Tethering via WiFi or Cable **Companion Device**: DVR 700 (764-776 MHz; 794-806MHz), Digital Vehicular Repeater
Test TX mode(s):	CW
Max. Power output:	**APX6500 VHF**: 60W (136-174 MHz); 11.2 mW (Bluetooth); 6.3 mW (Bluetooth LE); 39.8 mW (WLAN 2.4GHz 802.11b), 15.8 mW (WLAN 2.4GHz 802.11g), 12.6mW (WLAN 2.4GHz 802.11n); 15.8mW (WLAN 5GHz 802.11a/n/ac) **Companion Device:** 5W (DVR 700)
TX Frequency Bands:	**APX6500 VHF:** 136-174 MHz; WLAN 2412-2462 MHz; WLAN 5180-5825 MHz; BT 2402-2480 MHz **Companion Device:** 764-776 MHz; 794-806MHz
Signaling type:	FM, TDMA, FHSS (Bluetooth), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz)
Model(s) Tested:	**APX6500 VHF:** M25KSS9PW1BN (PMUD3490A) **Companion Device**: MOBEXCOM DVRS 700 (DQPMDVR7000P)
Model(s) Certified:	M22KSS9PW1BN (PMUD3490A), M24KSS9PW1BN (PMUD3490A), M25KSS9PW1BN (PMUD3490A), M36KSS9PW1BN (PMUD3490A), MOBEXCOM DVRS 700 (DQPMDVR7000P)
Serial Number(s):	471TWD5463 (APX6500 VHF) , 16092663 (DVR 700)
Classification:	Occupational/Controlled Environment
Applicant Name:	Motorola Solutions Inc.
Applicant Address:	8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322
FCC ID:	**APX6500 VHF**: AZ492FT7130 (150.8-173.4 MHz, 2402-2480 MHz, 2412-2462 MHz; 5180-5825 MHz) **Companion Device**: LO6-DVRS700 (769-775 MHz; 799-806MHz) This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC:	**APX6500 VHF**: 109U-92FT7130 **Companion Device**: 2098B-DVRS700 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.

Tiong Nguk Ing
Digitally signed by Tiong Nguk Ing
Date: 2020.04.24 08:27:30 +08'00'

Tiong Nguk Ing
Deputy Technical Manager (Approved Signatory)
Approval Date: 4/24/2020

Appendix D – MPE Test Results Summary for APX6500 VHF

Table D.1

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Blue fonts: Frequencies not regulated by FCC.
Results in bold font are configurations with highest percentage of limits.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	20.9	0.13	32.4
						58.0	140.0000	0.03	0.20	15.6	0.13	24.2
						57.7	144.0000	0.05	0.20	23.3	0.13	36.1
Roof	BS2	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	19.6	0.13	30.3
						58.0	140.0000	0.05	0.20	23.0	0.13	35.6
						57.7	144.0000	0.06	0.20	29.6	0.13	**45.9**
Roof	BS3	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.03	0.20	14.0	0.13	21.7
						58.0	140.0000	0.04	0.20	18.0	0.13	27.8
						57.7	144.0000	0.03	0.20	15.4	0.13	23.8
Roof	BS4	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	17.6	0.13	27.2
						58.0	140.0000	0.03	0.20	14.6	0.13	22.7
						57.7	144.0000	0.02	0.20	11.6	0.13	18.0
Roof	BS5	E	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.01	0.20	6.9	0.13	10.8
						58.0	140.0000	0.01	0.20	7.0	0.13	10.8
						57.7	144.0000	0.01	0.20	6.9	0.13	10.6
Roof	BS1	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	23.7	0.13	36.8
						57.9	150.8000	0.03	0.20	16.5	0.13	25.5
Roof	BS2	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	24.2	0.13	37.5
						57.9	150.8000	0.04	0.20	22.0	0.13	34.1
Roof	BS3	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.03	0.20	13.5	0.13	20.9
						57.9	150.8000	0.04	0.20	19.8	0.13	30.6
Roof	BS4	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz),	60	57.7	144.0000	0.02	0.20	9.6	0.13	14.9
						57.9	150.8000	0.03	0.20	15.0	0.13	23.2
Roof	BS5	E	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.01	0.20	5.8	0.13	9.0
						57.9	150.8000	0.03	0.20	15.4	0.13	23.9

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

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

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	14.1	0.13	21.8
						58.4	156.4000	0.05	0.20	22.5	0.13	34.9
						59.0	162.0000	0.04	0.20	21.8	0.13	33.8
Roof	BS2	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.04	0.20	20.0	0.13	30.9
						58.4	156.4000	0.06	0.20	**29.1**	0.13	45.1
						59.0	162.0000	0.04	0.20	22.4	0.13	34.8
Roof	BS3	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	48	57.9	150.8000	0.03	0.20	16.9	0.13	26.2
						58.4	156.4000	0.03	0.20	16.7	0.13	25.8
						59.0	162.0000	0.03	0.20	13.7	0.13	21.3
Roof	BS4	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	14.0	0.13	21.7
						58.4	156.4000	0.03	0.20	15.2	0.13	23.6
						59.0	162.0000	0.03	0.20	14.5	0.13	22.5
Roof	BS5	E	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	13.7	0.13	21.2
						58.4	156.4000	0.02	0.20	8.7	0.13	13.4
						59.0	162.0000	0.03	0.20	15.6	0.13	24.2

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	18.0	0.13	28.0
						59.4	165.0125	0.03	0.20	15.3	0.13	23.7
						58.8	173.0125	0.03	0.20	13.1	0.13	20.3
Roof	BS2	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	21.4	0.13	33.1
						59.4	165.0125	0.04	0.20	20.2	0.13	31.2
						58.8	173.0125	0.04	0.20	21.1	0.13	32.7
Roof	BS3	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.02	0.20	11.1	0.13	17.2
						59.4	165.0125	0.02	0.20	12.4	0.13	19.2
						58.8	173.0125	0.03	0.20	13.6	0.13	21.0
Roof	BS4	E	4	HAD4009A, 1/4 Wave (162-174 MHz),	60	59.0	162.0000	0.02	0.20	12.2	0.13	19.0
						59.4	165.0125	0.03	0.20	15.9	0.13	24.7
						58.8	173.0125	0.02	0.20	8.9	0.13	13.8
Roof	BS5	E	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.03	0.20	13.0	0.13	20.1
						59.4	165.0125	0.03	0.20	13.3	0.13	20.6
						58.8	173.0125	0.02	0.20	7.9	0.13	12.3

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	18.8	0.13	29.2
						57.7	144.0000	0.04	0.20	21.9	0.13	34.0
						57.9	150.8000	0.03	0.20	14.4	0.13	22.3
						58.4	156.4000	0.04	0.20	18.4	0.13	28.5
						59.0	162.0000	0.03	0.20	16.4	0.13	25.4
Roof	BS2	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.03	0.20	15.6	0.13	24.2
						57.7	144.0000	0.05	0.20	24.2	0.13	37.5
						57.9	150.8000	0.04	0.20	21.3	0.13	33.0
						58.4	156.4000	0.05	0.20	24.5	0.13	38.0
						59.0	162.0000	0.04	0.20	18.7	0.13	29.0
Roof	BS3	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.02	0.20	10.7	0.13	16.6
						57.7	144.0000	0.02	0.20	12.3	0.13	19.0
						57.9	150.8000	0.04	0.20	17.8	0.13	27.6
						58.4	156.4000	0.03	0.20	13.5	0.13	21.0
						59.0	162.0000	0.02	0.20	10.3	0.13	15.9
Roof	BS4	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.02	0.20	9.8	0.13	15.1
						57.7	144.0000	0.02	0.20	9.5	0.13	14.7
						57.9	150.8000	0.03	0.20	13.5	0.13	20.9
						58.4	156.4000	0.03	0.20	13.3	0.13	20.6
						59.0	162.0000	0.02	0.20	11.1	0.13	17.2
Roof	BS5	E	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.01	0.20	5.0	0.13	7.7
						57.7	144.0000	0.01	0.20	5.5	0.13	8.5
						57.9	150.8000	0.03	0.20	14.3	0.13	22.2
						58.4	156.4000	0.02	0.20	7.7	0.13	11.9
						59.0	162.0000	0.02	0.20	10.9	0.13	16.9

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.03	0.20	13.4	0.13	20.8
						57.9	150.8000	0.02	0.20	12.3	0.13	19.0
						58.5	158.0125	0.04	0.20	18.5	0.13	28.7
						59.4	165.0125	0.03	0.20	16.6	0.13	25.7
						58.8	173.0125	0.02	0.20	12.0	0.13	18.6
Roof	BS2	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.03	0.20	13.8	0.13	21.4
						57.9	150.8000	0.04	0.20	17.8	0.13	27.6
						58.5	158.0125	0.06	0.20	27.8	0.13	43.1
						59.4	165.0125	0.04	0.20	21.2	0.13	32.8
						58.8	173.0125	0.04	0.20	18.8	0.13	29.2
Roof	BS3	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	7.1	0.13	11.0
						57.9	150.8000	0.03	0.20	14.1	0.13	21.8
						58.5	158.0125	0.03	0.20	14.0	0.13	21.8
						59.4	165.0125	0.03	0.20	14.0	0.13	21.7
						58.8	173.0125	0.03	0.20	12.9	0.13	20.0
Roof	BS4	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	5.3	0.13	8.2
						57.9	150.8000	0.02	0.20	11.7	0.13	18.1
						58.5	158.0125	0.03	0.20	12.7	0.13	19.7
						59.4	165.0125	0.03	0.20	17.1	0.13	26.4
						58.8	173.0125	0.02	0.20	8.3	0.13	12.8
Roof	BS5	E	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	3.2	0.13	4.9
						57.9	150.8000	0.02	0.20	11.4	0.13	17.6
						58.5	158.0125	0.02	0.20	8.8	0.13	13.7
						59.4	165.0125	0.03	0.20	13.0	0.13	20.1
						58.8	173.0125	0.02	0.20	7.8	0.13	12.1

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.03	0.20	13.8	0.13	21.4
						57.7	144.0000	0.04	0.20	21.5	0.13	33.3
						57.9	150.8000	0.03	0.20	13.7	0.13	21.2
						58.5	158.0125	0.03	0.20	16.8	0.13	26.0
						59.4	165.0125	0.03	0.20	13.5	0.13	20.9
						58.8	173.0125	0.02	0.20	10.5	0.13	16.3
Roof	BS2	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	11.4	0.13	17.7
						57.7	144.0000	0.05	0.20	22.9	0.13	35.5
						57.9	150.8000	0.04	0.20	18.5	0.13	28.6
						58.5	158.0125	0.05	0.20	22.7	0.13	35.1
						59.4	165.0125	0.03	0.20	15.4	0.13	23.9
						58.8	173.0125	0.03	0.20	15.9	0.13	24.6
Roof	BS3	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	8.6	0.13	13.4
						57.7	144.0000	0.02	0.20	12.4	0.13	19.2
						57.9	150.8000	0.03	0.20	16.4	0.13	25.3
						58.5	158.0125	0.03	0.20	12.6	0.13	19.4
						59.4	165.0125	0.02	0.20	11.2	0.13	17.3
						58.8	173.0125	0.02	0.20	11.2	0.13	17.3
Roof	BS4	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.01	0.20	7.2	0.13	11.2
						57.7	144.0000	0.02	0.20	9.3	0.13	14.3
						57.9	150.8000	0.02	0.20	12.5	0.13	19.3
						58.5	158.0125	0.02	0.20	11.1	0.13	17.2
						59.4	165.0125	0.03	0.20	13.4	0.13	20.7
						58.8	173.0125	0.01	0.20	6.5	0.13	10.1
Roof	BS5	E	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.01	0.20	3.1	0.13	4.9
						57.7	144.0000	0.01	0.20	5.5	0.13	8.6
						57.9	150.8000	0.03	0.20	12.9	0.13	19.9
						58.5	158.0125	0.02	0.20	8.0	0.13	12.3
						59.4	165.0125	0.02	0.20	11.0	0.13	17.1
						58.8	173.0125	0.01	0.20	6.6	0.13	10.2

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.03	0.20	14.0	0.13	21.7
						57.7	144.0000	0.03	0.20	14.7	0.13	22.7
						57.9	150.8000	0.03	0.20	13.5	0.13	21.0
						58.5	158.0125	0.03	0.20	15.5	0.13	24.0
						59.4	165.0125	0.04	0.20	17.7	0.13	27.5
						58.8	173.0125	0.03	0.20	13.2	0.13	20.5
Roof	BS2	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.9	0.13	15.4
						57.7	144.0000	0.04	0.20	19.0	0.13	29.4
						57.9	150.8000	0.03	0.20	13.1	0.13	20.2
						58.5	158.0125	0.04	0.20	21.1	0.13	32.7
						59.4	165.0125	0.03	0.20	17.4	0.13	26.9
						58.8	173.0125	0.04	0.20	18.0	0.13	27.8
Roof	BS3	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.01	0.20	6.4	0.13	10.0
						57.7	144.0000	0.02	0.20	10.5	0.13	16.2
						57.9	150.8000	0.02	0.20	9.9	0.13	15.4
						58.5	158.0125	0.03	0.20	14.0	0.13	21.8
						59.4	165.0125	0.02	0.20	12.3	0.13	19.0
						58.8	173.0125	0.03	0.20	13.8	0.13	21.4
Roof	BS4	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.0	0.13	13.9
						57.7	144.0000	0.02	0.20	9.7	0.13	15.0
						57.9	150.8000	0.02	0.20	8.6	0.13	13.3
						58.5	158.0125	0.02	0.20	10.8	0.13	16.8
						59.4	165.0125	0.03	0.20	14.0	0.13	21.7
						58.8	173.0125	0.02	0.20	8.4	0.13	12.9
Roof	BS5	E	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.01	0.20	4.5	0.13	6.9
						57.7	144.0000	0.01	0.20	5.4	0.13	8.3
						57.9	150.8000	0.02	0.20	10.4	0.13	16.2
						58.5	158.0125	0.01	0.20	6.0	0.13	9.3
						59.4	165.0125	0.03	0.20	12.6	0.13	19.5
						58.8	173.0125	0.01	0.20	6.7	0.13	10.4

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	11.8	0.13	18.3
						57.7	144.0000	0.02	0.20	11.5	0.13	17.8
						57.9	150.8000	0.03	0.20	13.5	0.13	20.9
						58.5	158.0125	0.03	0.20	15.5	0.13	24.0
						59.4	165.0125	0.03	0.20	15.9	0.13	24.6
						58.8	173.0125	0.03	0.20	16.9	0.13	26.2
Roof	BS2	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	7.7	0.13	11.9
						57.7	144.0000	0.02	0.20	11.8	0.13	18.3
						57.9	150.8000	0.02	0.20	11.1	0.13	17.2
						58.5	158.0125	0.03	0.20	16.6	0.13	25.8
						59.4	165.0125	0.02	0.20	11.5	0.13	17.8
						58.8	173.0125	0.04	0.20	19.5	0.13	30.2
Roof	BS3	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	4.4	0.13	6.8
						57.7	144.0000	0.01	0.20	7.2	0.13	11.2
						57.9	150.8000	0.01	0.20	5.6	0.13	8.7
						58.5	158.0125	0.02	0.20	12.5	0.13	19.3
						59.4	165.0125	0.02	0.20	7.7	0.13	11.9
						58.8	173.0125	0.03	0.20	14.9	0.13	23.1
Roof	BS4	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.1	0.13	9.4
						57.7	144.0000	0.02	0.20	8.1	0.13	12.6
						57.9	150.8000	0.01	0.20	4.7	0.13	7.2
						58.5	158.0125	0.02	0.20	9.1	0.13	14.1
						59.4	165.0125	0.02	0.20	7.6	0.13	11.8
						58.8	173.0125	0.02	0.20	9.8	0.13	15.2
Roof	BS5	E	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.00	0.20	1.9	0.13	3.0
						57.7	144.0000	0.01	0.20	3.9	0.13	6.0
						57.9	150.8000	0.01	0.20	5.8	0.13	8.9
						58.5	158.0125	0.01	0.20	3.9	0.13	6.0
						59.4	165.0125	0.01	0.20	6.7	0.13	10.4
						58.8	173.0125	0.01	0.20	6.1	0.13	9.4

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.04	0.20	22.1	0.13	34.2
						58.0	140.0000	0.04	0.20	20.8	0.13	32.2
						57.7	144.0000	0.05	0.20	23.9	0.13	37.1
Roof	BS2	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.05	0.20	22.6	0.13	35.0
						58.0	140.0000	0.05	0.20	25.2	0.13	39.1
						57.7	144.0000	0.05	0.20	27.3	0.13	42.3
Roof	BS3	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.05	0.20	23.3	0.13	36.1
						58.0	140.0000	0.05	0.20	27.5	0.13	42.5
						57.7	144.0000	0.05	0.20	24.0	0.13	37.2
Roof	BS4	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.03	0.20	16.3	0.13	25.2
						58.0	140.0000	0.03	0.20	16.4	0.13	25.4
						57.7	144.0000	0.03	0.20	12.7	0.13	19.7
Roof	BS5	H	1	HAD4006A, 1/4 Wave (136-144 MHz)	60	58.1	136.0000	0.02	0.20	9.3	0.13	14.4
						58.0	140.0000	0.02	0.20	8.0	0.13	12.4
						57.7	144.0000	0.02	0.20	9.3	0.13	14.4
Roof	BS1	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.04	0.20	21.8	0.13	33.7
						57.9	150.8000	0.04	0.20	18.0	0.13	27.9
Roof	BS2	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	24.7	0.13	38.3
						57.9	150.8000	0.04	0.20	21.9	0.13	34.0
Roof	BS3	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.04	0.20	20.6	0.13	31.9
						57.9	150.8000	0.05	0.20	26.3	0.13	40.8
Roof	BS4	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz),	60	57.7	144.0000	0.02	0.20	10.9	0.13	16.9
						57.9	150.8000	0.04	0.20	17.7	0.13	27.4
Roof	BS5	H	2	HAD4007A, 1/4 Wave (144-150.8 MHz)	60	57.7	144.0000	0.01	0.20	7.4	0.13	11.4
						57.9	150.8000	0.03	0.20	16.7	0.13	25.9

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	16.6	0.13	25.8
						58.4	156.4000	0.05	0.20	23.8	0.13	36.9
						59.0	162.0000	0.04	0.20	20.5	0.13	31.7
Roof	BS2	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.04	0.20	20.0	0.13	31.0
						58.4	156.4000	0.06	0.20	28.3	0.13	43.8
						59.0	162.0000	0.05	0.20	22.8	0.13	35.3
Roof	BS3	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	48	57.9	150.8000	0.05	0.20	23.6	0.13	36.6
						58.4	156.4000	0.05	0.20	24.2	0.13	37.6
						59.0	162.0000	0.04	0.20	20.0	0.13	31.0
Roof	BS4	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	16.6	0.13	25.7
						58.4	156.4000	0.04	0.20	17.8	0.13	27.6
						59.0	162.0000	0.03	0.20	15.7	0.13	24.3
Roof	BS5	H	3	HAD4008A, 1/4 Wave (150.8-162 MHz)	60	57.9	150.8000	0.03	0.20	12.9	0.13	20.0
						58.4	156.4000	0.02	0.20	11.8	0.13	18.2
						59.0	162.0000	0.03	0.20	13.3	0.13	20.6

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.03	0.20	17.5	0.13	27.1
						59.4	165.0125	0.03	0.20	15.4	0.13	23.9
						58.8	173.0125	0.03	0.20	16.1	0.13	25.0
Roof	BS2	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	20.1	0.13	31.2
						59.4	165.0125	0.04	0.20	20.7	0.13	32.1
						58.8	173.0125	0.04	0.20	21.3	0.13	32.9
Roof	BS3	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.04	0.20	18.1	0.13	28.0
						59.4	165.0125	0.04	0.20	20.7	0.13	32.1
						58.8	173.0125	0.04	0.20	20.8	0.13	32.2
Roof	BS4	H	4	HAD4009A, 1/4 Wave (162-174 MHz),	60	59.0	162.0000	0.03	0.20	14.1	0.13	21.8
						59.4	165.0125	0.03	0.20	16.0	0.13	24.8
						58.8	173.0125	0.02	0.20	10.0	0.13	15.4
Roof	BS5	H	4	HAD4009A, 1/4 Wave (162-174 MHz)	60	59.0	162.0000	0.02	0.20	9.8	0.13	15.2
						59.4	165.0125	0.03	0.20	13.4	0.13	20.8
						58.8	173.0125	0.02	0.20	10.2	0.13	15.8

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	19.3	0.13	29.9
						57.7	144.0000	0.05	0.20	22.7	0.13	35.1
						57.9	150.8000	0.03	0.20	16.8	0.13	26.1
						58.4	156.4000	0.04	0.20	20.0	0.13	30.9
						59.0	162.0000	0.03	0.20	15.2	0.13	23.6
Roof	BS2	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	20.5	0.13	31.8
						57.7	144.0000	0.05	0.20	26.5	0.13	41.1
						57.9	150.8000	0.04	0.20	20.9	0.13	32.3
						58.4	156.4000	0.05	0.20	24.0	0.13	37.2
						59.0	162.0000	0.04	0.20	17.9	0.13	27.7
Roof	BS3	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.04	0.20	20.9	0.13	32.3
						57.7	144.0000	0.04	0.20	20.1	0.13	31.1
						57.9	150.8000	0.05	0.20	24.4	0.13	37.8
						58.4	156.4000	0.04	0.20	20.9	0.13	32.3
						59.0	162.0000	0.03	0.20	16.5	0.13	25.5
Roof	BS4	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.03	0.20	14.3	0.13	22.1
						57.7	144.0000	0.02	0.20	12.1	0.13	18.7
						57.9	150.8000	0.03	0.20	16.1	0.13	25.0
						58.4	156.4000	0.03	0.20	14.7	0.13	22.8
						59.0	162.0000	0.02	0.20	11.8	0.13	18.3
Roof	BS5	H	5	HAD4016A, 1/4 Wave (136-162 MHz)	60	58.1	136.0000	0.01	0.20	7.1	0.13	11.0
						57.7	144.0000	0.01	0.20	7.3	0.13	11.3
						57.9	150.8000	0.02	0.20	12.0	0.13	18.6
						58.4	156.4000	0.01	0.20	6.6	0.13	10.2
						59.0	162.0000	0.02	0.20	11.0	0.13	17.0

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.03	0.20	13.1	0.13	20.4
						57.9	150.8000	0.03	0.20	14.5	0.13	22.4
						58.5	158.0125	0.04	0.20	20.0	0.13	31.0
						59.4	165.0125	0.03	0.20	15.3	0.13	23.7
						58.8	173.0125	0.03	0.20	14.5	0.13	22.5
Roof	BS2	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.02	0.20	11.8	0.13	18.3
						57.9	150.8000	0.03	0.20	16.0	0.13	24.7
						58.5	158.0125	0.04	0.20	18.9	0.13	29.3
						59.4	165.0125	0.04	0.20	18.0	0.13	27.9
						58.8	173.0125	0.04	0.20	18.6	0.13	28.7
Roof	BS3	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.02	0.20	11.5	0.13	17.8
						57.9	150.8000	0.04	0.20	19.9	0.13	30.8
						58.5	158.0125	0.04	0.20	21.0	0.13	32.6
						59.4	165.0125	0.04	0.20	21.4	0.13	33.2
						58.8	173.0125	0.04	0.20	18.6	0.13	28.7
Roof	BS4	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.02	0.20	7.8	0.13	12.1
						57.9	150.8000	0.03	0.20	14.8	0.13	22.9
						58.5	158.0125	0.03	0.20	14.4	0.13	22.3
						59.4	165.0125	0.03	0.20	16.1	0.13	24.9
						58.8	173.0125	0.02	0.20	8.5	0.13	13.2
Roof	BS5	H	6	HAD4017A, 1/4 Wave (146-174 MHz)	60	57.7	146.0000	0.01	0.20	5.4	0.13	8.3
						57.9	150.8000	0.02	0.20	10.0	0.13	15.5
						58.5	158.0125	0.02	0.20	8.6	0.13	13.4
						59.4	165.0125	0.03	0.20	12.7	0.13	19.7
						58.8	173.0125	0.02	0.20	9.8	0.13	15.2

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.03	0.20	14.8	0.13	22.9
						57.7	144.0000	0.04	0.20	19.5	0.13	30.2
						57.9	150.8000	0.02	0.20	12.1	0.13	18.8
						58.5	158.0125	0.03	0.20	14.8	0.13	22.9
						59.4	165.0125	0.02	0.20	12.2	0.13	18.9
						58.8	173.0125	0.02	0.20	10.0	0.13	15.4
Roof	BS2	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	10.8	0.13	16.8
						57.7	144.0000	0.04	0.20	22.0	0.13	34.2
						57.9	150.8000	0.03	0.20	16.8	0.13	26.0
						58.5	158.0125	0.04	0.20	19.8	0.13	30.6
						59.4	165.0125	0.03	0.20	15.3	0.13	23.8
						58.8	173.0125	0.03	0.20	16.5	0.13	25.6
Roof	BS3	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.03	0.20	15.2	0.13	23.5
						57.7	144.0000	0.04	0.20	19.8	0.13	30.7
						57.9	150.8000	0.04	0.20	21.6	0.13	33.4
						58.5	158.0125	0.04	0.20	18.7	0.13	28.9
						59.4	165.0125	0.03	0.20	16.8	0.13	26.0
						58.8	173.0125	0.03	0.20	15.9	0.13	24.6
Roof	BS4	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	10.3	0.13	16.0
						57.7	144.0000	0.02	0.20	11.0	0.13	17.1
						57.9	150.8000	0.03	0.20	16.6	0.13	25.8
						58.5	158.0125	0.03	0.20	13.6	0.13	21.0
						59.4	165.0125	0.03	0.20	12.8	0.13	19.9
						58.8	173.0125	0.02	0.20	7.9	0.13	12.3
Roof	BS5	H	7	HAD4021A, 1/4 Wave (136 -174MHz)	60	58.1	136.0000	0.02	0.20	8.2	0.13	12.7
						57.7	144.0000	0.02	0.20	8.5	0.13	13.2
						57.9	150.8000	0.03	0.20	14.7	0.13	22.8
						58.5	158.0125	0.02	0.20	10.9	0.13	16.8
						59.4	165.0125	0.03	0.20	12.5	0.13	19.4
						58.8	173.0125	0.02	0.20	9.3	0.13	14.5

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	10.7	0.13	16.6
						57.7	144.0000	0.03	0.20	13.7	0.13	21.2
						57.9	150.8000	0.02	0.20	10.8	0.13	16.8
						58.5	158.0125	0.03	0.20	15.2	0.13	23.5
						59.4	165.0125	0.03	0.20	16.9	0.13	26.2
						58.8	173.0125	0.03	0.20	13.3	0.13	20.5
Roof	BS2	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.1	0.13	14.1
						57.7	144.0000	0.03	0.20	15.7	0.13	24.4
						57.9	150.8000	0.02	0.20	11.3	0.13	17.5
						58.5	158.0125	0.04	0.20	18.5	0.13	28.7
						59.4	165.0125	0.03	0.20	14.6	0.13	22.6
						58.8	173.0125	0.03	0.20	16.8	0.13	26.0
Roof	BS3	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	9.5	0.13	14.7
						57.7	144.0000	0.03	0.20	13.7	0.13	21.3
						57.9	150.8000	0.03	0.20	12.6	0.13	19.5
						58.5	158.0125	0.03	0.20	17.3	0.13	26.8
						59.4	165.0125	0.03	0.20	16.3	0.13	25.3
						58.8	173.0125	0.03	0.20	16.1	0.13	24.9
Roof	BS4	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	12.1	0.13	18.7
						57.7	144.0000	0.02	0.20	11.8	0.13	18.2
						57.9	150.8000	0.03	0.20	12.7	0.13	19.7
						58.5	158.0125	0.03	0.20	14.1	0.13	21.9
						59.4	165.0125	0.03	0.20	14.9	0.13	23.0
						58.8	173.0125	0.02	0.20	9.5	0.13	14.8
Roof	BS5	H	8	HAD4022A, 5/8 Wave (132 -174 MHz)	60	58.1	136.0000	0.02	0.20	8.5	0.13	13.2
						57.7	144.0000	0.02	0.20	8.7	0.13	13.5
						57.9	150.8000	0.02	0.20	12.4	0.13	19.3
						58.5	158.0125	0.02	0.20	9.0	0.13	14.0
						59.4	165.0125	0.03	0.20	12.5	0.13	19.4
						58.8	173.0125	0.02	0.20	8.9	0.13	13.8

Table D.1 (Continued)

MPE assessment for APX6500 VHF - roof mounted antenna – Bystander

Note:
Blue fonts: Frequencies not regulated by FCC.

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	BS1	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	9.3	0.13	14.4
						57.7	144.0000	0.02	0.20	9.8	0.13	15.2
						57.9	150.8000	0.02	0.20	9.5	0.13	14.8
						58.5	158.0125	0.03	0.20	14.5	0.13	22.5
						59.4	165.0125	0.03	0.20	13.9	0.13	21.6
						58.8	173.0125	0.04	0.20	18.3	0.13	28.4
Roof	BS2	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.9	0.13	10.7
						57.7	144.0000	0.02	0.20	10.9	0.13	16.9
						57.9	150.8000	0.02	0.20	9.3	0.13	14.3
						58.5	158.0125	0.02	0.20	11.7	0.13	18.2
						59.4	165.0125	0.02	0.20	9.9	0.13	15.3
						58.8	173.0125	0.04	0.20	17.7	0.13	27.5
Roof	BS3	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.8	0.13	10.5
						57.7	144.0000	0.02	0.20	8.8	0.13	13.6
						57.9	150.8000	0.01	0.20	7.4	0.13	11.4
						58.5	158.0125	0.03	0.20	12.6	0.13	19.5
						59.4	165.0125	0.02	0.20	8.2	0.13	12.7
						58.8	173.0125	0.03	0.20	13.0	0.13	20.1
Roof	BS4	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.02	0.20	9.4	0.13	14.5
						57.7	144.0000	0.02	0.20	11.7	0.13	18.1
						57.9	150.8000	0.02	0.20	9.0	0.13	13.9
						58.5	158.0125	0.03	0.20	12.8	0.13	19.8
						59.4	165.0125	0.02	0.20	9.4	0.13	14.6
						58.8	173.0125	0.02	0.20	10.0	0.13	15.5
Roof	BS5	H	9	RAD4010ARB 1/2 wave (136-174 MHz)	60	58.1	136.0000	0.01	0.20	6.0	0.13	9.3
						57.7	144.0000	0.02	0.20	7.6	0.13	11.8
						57.9	150.8000	0.02	0.20	8.1	0.13	12.6
						58.5	158.0125	0.01	0.20	7.0	0.13	10.9
						59.4	165.0125	0.02	0.20	7.6	0.13	11.7
						58.8	173.0125	0.02	0.20	8.0	0.13	12.4

Table D.2

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

Note:
Blue fonts: Frequencies not regulated by FCC.
Results in bold font are configurations with highest percentage of limits.

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

Table D.2 (Continued)

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

Note:
Blue fonts: Frequencies not regulated by FCC.

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

Table D.2 (Continued)

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

Note:
Blue fonts: Frequencies not regulated by FCC.

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

Table D.2 (Continued)

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

Note:
Blue fonts: Frequencies not regulated by FCC.
Results in bold font are configurations with highest percentage of limits.

Trunk / Roof	Test Position	E/H Field	Antenna No	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/ cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Roof	PF	E	**1**	HAD4006A, 1/4 Wave, (136-144MHz)	60	58.1	136.0000	0.06	0.20	29.2	0.13	45.2
						58.0	140.0000	0.05	0.20	25.2	0.13	39.1
						57.7	144.0000	0.05	0.20	25.8	0.13	**40.0**
			2	HAD4007A, 1/4 Wave, (144-150.8 MHz)	60	57.7	144.0000	0.05	0.20	25.7	0.13	39.8
						57.9	150.8000	0.04	0.20	22.5	0.13	34.8
			3	HAD4008A, 1/4 Wave, (150.8-162 MHz)	60	57.9	150.8000	0.04	0.20	18.7	0.13	28.9
						58.4	156.4000	0.03	0.20	14.1	0.13	21.8
						59.0	162.0000	0.05	0.20	**25.2**	0.13	39.0
			4	HAD4009A, 1/4 Wave, (162-174MHz)	60	59.0	162.0000	0.04	0.20	21.3	0.13	32.9
						59.4	165.0125	0.04	0.20	21.1	0.13	32.7
						58.8	173.0125	0.04	0.20	21.8	0.13	33.7
			5	HD4016A, 1/4 Wave, (136-162MHz)	60	58.1	136.0000	0.05	0.20	24.2	0.13	37.5
						57.7	144.0000	0.04	0.20	21.0	0.13	32.6
						57.9	150.8000	0.04	0.20	22.3	0.13	34.5
						58.4	156.4000	0.03	0.20	12.8	0.13	19.9
						59.0	162.0000	0.04	0.20	19.2	0.13	29.7
			6	HAD4017A, 1/2 Wave, (146-174MHz)	60	57.7	146.0000	0.02	0.20	11.1	0.13	17.3
						57.9	150.8000	0.04	0.20	18.8	0.13	29.2
						58.5	158.0125	0.03	0.20	13.8	0.13	21.3
						59.4	165.0125	0.04	0.20	19.7	0.13	30.5
						58.8	173.0125	0.04	0.20	19.6	0.13	30.4
			7	HAD4021A, 1/4 Wave, (136-174MHz)	60	58.1	136.0000	0.04	0.20	18.3	0.13	28.4
						57.7	144.0000	0.05	0.20	22.7	0.13	35.2
						57.9	150.8000	0.04	0.20	18.6	0.13	28.8
						58.5	158.0125	0.02	0.20	11.0	0.13	17.0
						59.4	165.0125	0.03	0.20	15.2	0.13	23.5
						58.8	173.0125	0.03	0.20	17.4	0.13	27.0

Table D.2 (Continued)

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

Note:
Blue fonts: Frequencies not regulated by FCC.

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

Table D.2 (Continued)

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

Note:
Blue fonts: Frequencies not regulated by FCC.

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

Table D.3

APX6500 VHF MPE Results for FCC

Note:
Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	**P**initial (W)	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

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

Table D.3 (Continued)

APX6500 VHF MPE Results for FCC

Note:
Blue fonts: Frequencies not regulated by FCC.

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

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

Table D.3 （Continued）

APX6500 VHF MPE Results for FCC

Note:
Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	**P**initial (W)	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

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

Table D.3 (Continued)

APX6500 VHF MPE Results for FCC

Note:
Blue fonts: Frequencies not regulated by FCC.

Pmax (W) 60	**P**initial (W)	58.1	58	57.7	57.7	57.9	58.4	58.5	59	59.4	58.8
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

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

Appendix E – MPE Test Results Summary for Companion Device (DVR 700)

Table E.1

MPE assessment for Companion Device (DVR 700) - trunk mounted antenna - Bystander

Trunk / Roof	Test Post.	E/H Field	Antenna No.	Antenna Model	Max Pwr (W)	Initial Pwr (W)	Tx Freq (MHz)	Max Calc. P.D. (mW/cm^2)	FCC Limit	% To FCC Spec Limit	ISED Limit	% To ISED Spec Limit
Trunk	BS1	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.004	0.51	0.8	0.25	1.6
						4.79	775.0000	0.003	0.52	0.6	0.25	1.3
						4.86	800.0000	0.002	0.53	0.4	0.25	0.8
						4.88	806.0000	0.002	0.54	0.4	0.25	0.7
Trunk	BS2	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.011	0.51	2.1	0.25	4.5
						4.79	775.0000	0.011	0.52	2.0	0.25	4.3
						4.86	800.0000	0.008	0.53	1.5	0.25	3.1
						4.88	806.0000	0.008	0.54	1.4	0.25	3.0
Trunk	BS3	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.015	0.51	2.9	0.25	6.0
						4.79	775.0000	0.018	0.52	3.6	0.25	7.5
						4.86	800.0000	0.008	0.53	1.4	0.25	3.0
						4.88	806.0000	0.007	0.54	1.3	0.25	2.7
Trunk	BS4	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.017	0.51	3.3	0.25	6.9
						4.79	775.0000	0.017	0.52	3.2	0.25	6.8
						4.86	800.0000	0.011	0.53	2.1	0.25	4.4
						4.88	806.0000	0.009	0.54	1.7	0.25	3.7
Trunk	BS5	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.020	0.51	**3.9**	0.25	**8.1**
						4.79	775.0000	0.020	0.52	3.9	0.25	8.1
						4.86	800.0000	0.008	0.53	1.5	0.25	3.1
						4.88	806.0000	0.007	0.54	1.3	0.25	2.9

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

Table E.2

MPE assessment for Companion Device (DVR 700) – 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	ISED Limit	% To ISED Spec Limit
Trunk	PB	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.035	0.51	6.8	0.25	14.2
						4.79	775.0000	0.038	0.52	**7.3**	0.25	**15.4**
						4.86	800.0000	0.022	0.53	4.1	0.25	8.7
						4.88	806.0000	0.021	0.54	3.8	0.25	8.1
Trunk	PF	E	14	HAF4016A, 1/4 Wave (764-870MHz)	5.0	4.82	770.0000	0.022	0.51	4.3	0.25	9.0
						4.79	775.0000	0.031	0.52	6.1	0.25	12.7
						4.86	800.0000	0.013	0.53	2.4	0.25	5.1
						4.88	806.0000	0.011	0.54	2.1	0.25	4.4

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

Table E.3

Companion Device (DVR 700) MPE Results for FCC

Pmax (W)	5	**P**initia**l** (W)	4.82	4.79	4.86	4.88
		FCCLimit (mW/cm^2)	0.51	0.52	0.53	0.54

Table	Test Post.	Angle	Trunk / Roof	E/H Field	Antenna No.	f1 770.0000	f2 775.0000	f3 800.0000	f4 806.0000
D.1	BS1		Trunk	E	14	0.004	0.003	0.002	0.002
D.1	BS2		Trunk	E	14	0.011	0.011	0.008	0.008
D.1	BS3		Trunk	E	14	0.015	0.018	0.008	0.007
D.1	BS4		Trunk	E	14	0.017	0.017	0.011	0.009
D.1	BS5		Trunk	E	14	0.020	0.020	0.008	0.007
D.2	PB		Trunk	E	14	0.035	0.038	0.022	0.021
D.2	PF		Trunk	E	14	0.022	0.031	0.013	0.011

Appendix F – MPE Test Results Summary for APX6500 VHF

Table F.1

APX6500 VHF - MPE measurement data for Bystander

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

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	E	1.020	BS5	0.016	0.025	0.031	0.034	0.027	0.022	0.020	0.027	0.027	0.036	0.5	0.027	0.010	0.010
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.016	0.020	0.024	0.024	0.028	0.024	0.024	0.030	0.032	0.037	0.5	0.026	0.010	0.010
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.064	0.096	0.110	0.109	0.094	0.086	0.084	0.087	0.086	0.079	0.5	0.091	0.050	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.049	0.070	0.073	0.065	0.057	0.058	0.061	0.065	0.064	0.062	0.5	0.064	0.030	0.030
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.043	0.065	0.086	0.097	0.089	0.096	0.100	0.113	0.114	0.109	0.5	0.093	0.050	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.050	0.081	0.099	0.103	0.098	0.083	0.090	0.079	0.078	0.071	0.5	0.085	0.040	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.027	0.040	0.054	0.054	0.052	0.051	0.055	0.057	0.062	0.056	0.5	0.052	0.030	0.030
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.038	0.061	0.076	0.080	0.083	0.081	0.085	0.087	0.081	0.076	0.5	0.076	0.040	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.015	0.025	0.032	0.034	0.037	0.037	0.043	0.046	0.043	0.051	0.5	0.037	0.020	0.020
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.030	0.047	0.056	0.062	0.060	0.063	0.063	0.068	0.062	0.056	0.5	0.058	0.030	0.030
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.013	0.016	0.020	0.020	0.020	0.018	0.021	0.028	0.030	0.033	0.5	0.022	0.010	0.010
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.025	0.040	0.050	0.050	0.051	0.055	0.067	0.076	0.090	0.080	0.5	0.060	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
										Bystander (BS) Positions													
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		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.041	0.060	0.062	0.055	0.049	0.049	0.053	0.057	0.055	0.052	0.5	0.054	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS1	0.087	0.112	0.111	0.093	0.080	0.075	0.079	0.082	0.074	0.067	0.5	0.088	0.040	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS1	0.086	0.110	0.104	0.087	0.073	0.069	0.073	0.075	0.078	0.086	0.5	0.086	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.043	0.070	0.094	0.092	0.092	0.076	0.079	0.078	0.067	0.065	0.5	0.077	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS2	0.068	0.110	0.124	0.113	0.117	0.114	0.117	0.119	0.120	0.109	0.5	0.113	0.060	0.060
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS2	0.066	0.099	0.107	0.093	0.088	0.080	0.083	0.086	0.079	0.084	0.5	0.088	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.035	0.051	0.060	0.068	0.067	0.067	0.076	0.074	0.075	0.066	0.5	0.065	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS3	0.034	0.045	0.059	0.064	0.063	0.070	0.076	0.074	0.079	0.072	0.5	0.065	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS3	0.034	0.043	0.050	0.053	0.056	0.060	0.061	0.060	0.057	0.055	0.5	0.054	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.028	0.042	0.052	0.057	0.060	0.060	0.061	0.060	0.055	0.055	0.5	0.054	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS4	0.030	0.047	0.060	0.062	0.062	0.060	0.067	0.070	0.063	0.060	0.5	0.059	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS4	0.033	0.048	0.064	0.062	0.066	0.068	0.067	0.060	0.052	0.041	0.5	0.057	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.022	0.036	0.042	0.040	0.044	0.051	0.067	0.071	0.075	0.070	0.5	0.053	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS5	0.022	0.030	0.034	0.030	0.026	0.035	0.035	0.037	0.041	0.041	0.5	0.034	0.020	0.020
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS5	0.040	0.042	0.051	0.059	0.059	0.066	0.073	0.074	0.075	0.063	0.5	0.061	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS1	0.069	0.091	0.084	0.068	0.059	0.058	0.062	0.065	0.067	0.073	0.5	0.071	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.066	0.081	0.073	0.057	0.046	0.045	0.050	0.052	0.057	0.068	0.5	0.061	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.051	0.059	0.051	0.035	0.030	0.036	0.049	0.055	0.063	0.075	0.5	0.051	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS2	0.061	0.094	0.095	0.088	0.080	0.072	0.093	0.092	0.076	0.074	0.5	0.084	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.059	0.085	0.085	0.073	0.076	0.077	0.095	0.079	0.083	0.071	0.5	0.080	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.050	0.072	0.081	0.074	0.078	0.079	0.095	0.096	0.090	0.095	0.5	0.083	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS3	0.028	0.036	0.039	0.038	0.041	0.046	0.051	0.052	0.052	0.046	0.5	0.044	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.028	0.036	0.045	0.043	0.046	0.056	0.057	0.060	0.060	0.050	0.5	0.049	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.034	0.040	0.049	0.053	0.063	0.060	0.063	0.055	0.055	0.050	0.5	0.053	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS4	0.029	0.040	0.053	0.052	0.056	0.060	0.057	0.047	0.042	0.036	0.5	0.048	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.036	0.055	0.065	0.073	0.073	0.072	0.066	0.072	0.060	0.046	0.5	0.063	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.022	0.033	0.041	0.047	0.047	0.036	0.033	0.030	0.028	0.025	0.5	0.035	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS5	0.035	0.038	0.027	0.050	0.052	0.051	0.062	0.067	0.064	0.054	0.5	0.051	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.034	0.050	0.054	0.053	0.047	0.048	0.052	0.067	0.061	0.051	0.5	0.053	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.030	0.025	0.044	0.037	0.031	0.028	0.030	0.031	0.026	0.022	0.5	0.031	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.041	0.063	0.073	0.073	0.070	0.070	0.074	0.086	0.081	0.077	0.5	0.073	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.060	0.087	0.104	0.095	0.081	0.078	0.081	0.083	0.081	0.077	0.5	0.084	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.040	0.059	0.062	0.057	0.047	0.048	0.054	0.061	0.058	0.059	0.5	0.056	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS1	0.067	0.089	0.090	0.076	0.061	0.063	0.066	0.067	0.063	0.061	0.5	0.072	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS1	0.067	0.079	0.078	0.063	0.053	0.051	0.053	0.057	0.064	0.067	0.5	0.064	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.028	0.050	0.064	0.072	0.070	0.059	0.064	0.064	0.062	0.055	0.5	0.061	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.044	0.070	0.088	0.098	0.090	0.098	0.101	0.112	0.108	0.103	0.5	0.093	0.050	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.040	0.080	0.099	0.097	0.097	0.081	0.088	0.085	0.077	0.062	0.5	0.082	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS2	0.058	0.093	0.108	0.098	0.100	0.107	0.103	0.088	0.092	0.089	0.5	0.095	0.050	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS2	0.053	0.074	0.088	0.078	0.069	0.079	0.081	0.073	0.065	0.061	0.5	0.074	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.015	0.031	0.043	0.049	0.051	0.047	0.043	0.044	0.042	0.038	0.5	0.042	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.024	0.037	0.048	0.051	0.048	0.046	0.048	0.052	0.052	0.057	0.5	0.047	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.032	0.054	0.067	0.074	0.069	0.071	0.078	0.080	0.077	0.073	0.5	0.069	0.030	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS3	0.029	0.039	0.051	0.049	0.050	0.053	0.056	0.061	0.065	0.064	0.5	0.053	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS3	0.026	0.033	0.038	0.037	0.037	0.045	0.047	0.051	0.044	0.039	0.5	0.040	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.016	0.028	0.035	0.038	0.038	0.043	0.033	0.044	0.046	0.046	0.5	0.038	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.016	0.024	0.031	0.035	0.037	0.036	0.042	0.047	0.048	0.041	0.5	0.036	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.028	0.041	0.052	0.053	0.058	0.055	0.058	0.054	0.058	0.053	0.5	0.052	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS4	0.025	0.040	0.050	0.050	0.053	0.058	0.060	0.051	0.060	0.060	0.5	0.052	0.030	0.030

MPE calculations are defined in section 15.0

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Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS4	0.027	0.037	0.045	0.050	0.053	0.050	0.050	0.046	0.040	0.031	0.5	0.044	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.016	0.011	0.015	0.024	0.020	0.017	0.016	0.020	0.023	0.025	0.5	0.019	0.010	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.012	0.015	0.018	0.018	0.017	0.018	0.023	0.025	0.030	0.032	0.5	0.021	0.010	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.026	0.036	0.042	0.050	0.050	0.058	0.070	0.071	0.070	0.070	0.5	0.055	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.020	BS5	0.022	0.032	0.030	0.027	0.020	0.030	0.031	0.033	0.036	0.033	0.5	0.030	0.010	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	E	1.020	BS5	0.014	0.038	0.038	0.038	0.035	0.050	0.047	0.060	0.050	0.051	0.5	0.043	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS1	0.038	0.055	0.059	0.056	0.049	0.047	0.050	0.050	0.053	0.050	0.5	0.052	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.036	0.052	0.053	0.049	0.041	0.042	0.046	0.049	0.047	0.050	0.5	0.047	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.069	0.090	0.086	0.076	0.065	0.064	0.070	0.066	0.063	0.060	0.5	0.072	0.040	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.074	0.086	0.079	0.059	0.048	0.050	0.056	0.059	0.061	0.071	0.5	0.066	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.047	0.055	0.048	0.031	0.025	0.032	0.042	0.050	0.059	0.072	0.5	0.047	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS2	0.024	0.041	0.050	0.055	0.053	0.055	0.059	0.061	0.063	0.059	0.5	0.053	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.040	0.065	0.082	0.084	0.076	0.074	0.071	0.068	0.063	0.051	0.5	0.069	0.030	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.063	0.099	0.116	0.108	0.107	0.119	0.115	0.118	0.116	0.103	0.5	0.109	0.050	0.060
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.061	0.083	0.088	0.086	0.083	0.085	0.092	0.092	0.080	0.073	0.5	0.084	0.040	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.044	0.067	0.072	0.067	0.069	0.069	0.082	0.084	0.087	0.083	0.5	0.074	0.040	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS3	0.014	0.024	0.030	0.029	0.027	0.027	0.029	0.028	0.030	0.029	0.5	0.027	0.010	0.010
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.023	0.040	0.046	0.055	0.058	0.060	0.067	0.067	0.059	0.057	0.5	0.054	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.030	0.041	0.056	0.054	0.058	0.058	0.057	0.065	0.059	0.059	0.5	0.055	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.030	0.043	0.052	0.053	0.060	0.064	0.063	0.061	0.063	0.054	0.5	0.055	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.029	0.038	0.049	0.049	0.058	0.055	0.057	0.059	0.055	0.048	0.5	0.051	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	E	1.020	BS4	0.010	0.016	0.021	0.020	0.020	0.021	0.022	0.023	0.023	0.024	0.5	0.020	0.010	0.010
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.025	0.036	0.044	0.046	0.050	0.043	0.053	0.051	0.050	0.043	0.5	0.045	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.028	0.043	0.051	0.054	0.050	0.056	0.054	0.055	0.052	0.044	0.5	0.050	0.020	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.040	0.055	0.070	0.080	0.078	0.080	0.078	0.073	0.060	0.048	0.5	0.068	0.030	0.030

MPE calculations are defined in section 15.0

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Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.023	0.031	0.040	0.040	0.042	0.033	0.032	0.030	0.024	0.023	0.5	0.032	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.021	0.032	0.031	0.037	0.037	0.050	0.046	0.060	0.055	0.062	0.5	0.044	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.027	0.033	0.036	0.031	0.035	0.036	0.034	0.037	0.037	0.031	0.5	0.034	0.020	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.037	0.056	0.052	0.052	0.043	0.041	0.051	0.068	0.055	0.048	0.5	0.051	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.027	0.040	0.040	0.033	0.030	0.030	0.031	0.024	0.025	0.020	0.5	0.031	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.030	0.046	0.055	0.055	0.052	0.052	0.056	0.056	0.060	0.057	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.060	0.085	0.098	0.095	0.085	0.078	0.078	0.079	0.078	0.075	0.5	0.083	0.040	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.044	0.056	0.061	0.052	0.046	0.046	0.051	0.054	0.056	0.053	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.060	0.081	0.080	0.067	0.057	0.057	0.061	0.062	0.057	0.060	0.5	0.065	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.057	0.069	0.060	0.051	0.040	0.040	0.043	0.049	0.053	0.062	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.039	0.046	0.039	0.028	0.026	0.027	0.036	0.046	0.053	0.064	0.5	0.041	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.022	0.037	0.047	0.051	0.049	0.046	0.047	0.047	0.044	0.039	0.5	0.044	0.020	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.041	0.061	0.082	0.090	0.093	0.099	0.095	0.102	0.100	0.102	0.5	0.088	0.040	0.050
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.040	0.069	0.086	0.090	0.078	0.071	0.073	0.068	0.065	0.059	0.5	0.071	0.040	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.053	0.086	0.095	0.096	0.094	0.084	0.085	0.091	0.097	0.086	0.5	0.088	0.040	0.050
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.047	0.067	0.070	0.062	0.055	0.057	0.062	0.063	0.062	0.054	0.5	0.061	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.036	0.055	0.059	0.057	0.055	0.064	0.067	0.071	0.074	0.073	0.5	0.062	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.011	0.025	0.039	0.039	0.039	0.038	0.036	0.034	0.033	0.031	0.5	0.033	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.023	0.038	0.048	0.049	0.046	0.047	0.048	0.053	0.058	0.057	0.5	0.048	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.031	0.052	0.061	0.066	0.068	0.071	0.069	0.068	0.068	0.065	0.5	0.063	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.025	0.038	0.050	0.047	0.047	0.052	0.052	0.059	0.056	0.054	0.5	0.049	0.020	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.022	0.036	0.042	0.043	0.048	0.050	0.053	0.048	0.048	0.044	0.5	0.044	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.026	0.032	0.046	0.047	0.047	0.047	0.051	0.043	0.047	0.043	0.5	0.044	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.012	0.021	0.024	0.027	0.030	0.031	0.032	0.032	0.031	0.031	0.5	0.028	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.015	0.023	0.030	0.032	0.033	0.040	0.042	0.043	0.044	0.047	0.5	0.036	0.020	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.026	0.040	0.047	0.053	0.053	0.051	0.053	0.056	0.047	0.046	0.5	0.048	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.025	0.035	0.045	0.047	0.046	0.045	0.044	0.047	0.044	0.046	0.5	0.043	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.028	0.043	0.054	0.064	0.062	0.058	0.065	0.055	0.050	0.041	0.5	0.053	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.016	0.025	0.030	0.033	0.032	0.027	0.025	0.022	0.020	0.020	0.5	0.026	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.007	0.014	0.017	0.011	0.008	0.010	0.011	0.011	0.014	0.015	0.5	0.012	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.008	0.016	0.017	0.017	0.017	0.020	0.030	0.026	0.027	0.031	0.5	0.021	0.010	0.010
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.024	0.032	0.040	0.045	0.044	0.050	0.060	0.064	0.067	0.061	0.5	0.050	0.020	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.021	0.030	0.027	0.031	0.031	0.032	0.033	0.037	0.032	0.030	0.5	0.031	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.031	0.043	0.046	0.043	0.038	0.040	0.042	0.048	0.050	0.047	0.5	0.044	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.022	0.031	0.033	0.030	0.023	0.025	0.026	0.024	0.021	0.018	0.5	0.026	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.022	0.034	0.043	0.044	0.041	0.043	0.051	0.067	0.084	0.097	0.5	0.054	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.024	0.044	0.048	0.047	0.040	0.043	0.054	0.071	0.087	0.095	0.5	0.056	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.028	0.043	0.045	0.040	0.035	0.039	0.049	0.065	0.079	0.089	0.5	0.052	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.048	0.063	0.061	0.045	0.037	0.044	0.055	0.070	0.078	0.091	0.5	0.060	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.056	0.074	0.069	0.050	0.042	0.045	0.061	0.079	0.096	0.117	0.5	0.070	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.038	0.045	0.035	0.026	0.022	0.035	0.050	0.066	0.086	0.106	0.5	0.052	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.009	0.019	0.026	0.030	0.031	0.033	0.041	0.051	0.062	0.072	0.5	0.039	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.024	0.043	0.059	0.073	0.070	0.074	0.083	0.092	0.096	0.102	0.5	0.073	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.021	0.047	0.051	0.051	0.049	0.047	0.051	0.057	0.058	0.062	0.5	0.050	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.045	0.074	0.077	0.074	0.072	0.073	0.086	0.092	0.104	0.109	0.5	0.082	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.050	0.068	0.071	0.061	0.056	0.065	0.068	0.074	0.081	0.081	0.5	0.069	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.035	0.050	0.053	0.053	0.057	0.070	0.081	0.091	0.097	0.103	0.5	0.070	0.040	0.040
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.007	0.013	0.019	0.022	0.023	0.026	0.028	0.029	0.034	0.041	0.5	0.025	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.016	0.028	0.033	0.034	0.038	0.039	0.043	0.049	0.057	0.058	0.5	0.040	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.015	0.026	0.031	0.033	0.034	0.038	0.045	0.050	0.052	0.051	0.5	0.038	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.023	0.033	0.045	0.049	0.053	0.058	0.068	0.069	0.070	0.069	0.5	0.055	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.020	0.031	0.038	0.040	0.045	0.060	0.063	0.059	0.063	0.057	0.5	0.049	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.027	0.043	0.047	0.055	0.059	0.063	0.061	0.061	0.057	0.058	0.5	0.054	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.014	0.021	0.027	0.028	0.033	0.037	0.041	0.042	0.047	0.047	0.5	0.035	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.014	0.021	0.027	0.032	0.038	0.042	0.046	0.048	0.048	0.048	0.5	0.037	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.017	0.025	0.030	0.035	0.036	0.038	0.040	0.037	0.033	0.035	0.5	0.033	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.025	0.035	0.041	0.046	0.043	0.044	0.048	0.047	0.040	0.045	0.5	0.042	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.035	0.047	0.056	0.066	0.062	0.065	0.058	0.060	0.053	0.042	0.5	0.055	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.020	0.031	0.040	0.043	0.035	0.035	0.035	0.028	0.030	0.024	0.5	0.033	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.008	0.014	0.017	0.014	0.018	0.011	0.014	0.021	0.024	0.027	0.5	0.017	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.006	0.016	0.017	0.010	0.020	0.020	0.023	0.027	0.030	0.033	0.5	0.021	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.020	0.025	0.030	0.038	0.040	0.038	0.053	0.050	0.050	0.051	0.5	0.040	0.020	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.015	0.021	0.023	0.022	0.023	0.025	0.026	0.027	0.025	0.023	0.5	0.023	0.010	0.010
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.038	0.047	0.055	0.049	0.043	0.053	0.057	0.057	0.050	0.040	0.5	0.050	0.020	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.024	0.032	0.034	0.026	0.024	0.025	0.028	0.025	0.024	0.017	0.5	0.026	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS1	0.019	0.032	0.037	0.030	0.028	0.026	0.040	0.060	0.078	0.095	0.5	0.046	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS1	0.016	0.028	0.032	0.026	0.020	0.026	0.041	0.062	0.086	0.097	0.5	0.044	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS1	0.024	0.044	0.045	0.035	0.028	0.032	0.045	0.064	0.087	0.107	0.5	0.052	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS1	0.042	0.060	0.053	0.036	0.024	0.032	0.057	0.083	0.087	0.119	0.5	0.060	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS1	0.043	0.049	0.046	0.036	0.028	0.040	0.065	0.088	0.110	0.111	0.5	0.063	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS1	0.044	0.050	0.043	0.028	0.030	0.046	0.066	0.091	0.111	0.140	0.5	0.066	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS2	0.010	0.019	0.024	0.023	0.018	0.019	0.027	0.039	0.051	0.060	0.5	0.030	0.010	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS2	0.014	0.026	0.034	0.037	0.035	0.040	0.050	0.060	0.070	0.080	0.5	0.045	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS2	0.025	0.039	0.044	0.044	0.035	0.035	0.041	0.047	0.054	0.055	0.5	0.043	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS2	0.037	0.051	0.059	0.052	0.046	0.051	0.060	0.081	0.089	0.110	0.5	0.065	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS2	0.030	0.041	0.042	0.034	0.030	0.034	0.046	0.056	0.065	0.068	0.5	0.045	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS2	0.035	0.047	0.050	0.048	0.055	0.071	0.084	0.110	0.113	0.137	0.5	0.077	0.040	0.040

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS3	0.003	0.015	0.020	0.020	0.015	0.015	0.012	0.018	0.020	0.028	0.5	0.017	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS3	0.011	0.020	0.025	0.025	0.022	0.026	0.027	0.035	0.040	0.042	0.5	0.028	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS3	0.009	0.017	0.021	0.019	0.019	0.018	0.020	0.027	0.029	0.033	0.5	0.022	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS3	0.023	0.030	0.038	0.039	0.042	0.049	0.059	0.061	0.065	0.071	0.5	0.049	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS3	0.017	0.021	0.024	0.019	0.024	0.027	0.037	0.042	0.043	0.045	0.5	0.030	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS3	0.024	0.038	0.045	0.052	0.062	0.067	0.069	0.071	0.073	0.073	0.5	0.059	0.030	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS4	0.010	0.017	0.023	0.022	0.024	0.023	0.024	0.025	0.030	0.030	0.5	0.023	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS4	0.016	0.023	0.028	0.031	0.033	0.038	0.036	0.034	0.032	0.036	0.5	0.031	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS4	0.011	0.017	0.018	0.020	0.017	0.016	0.020	0.020	0.021	0.016	0.5	0.018	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS4	0.021	0.032	0.037	0.040	0.040	0.033	0.033	0.040	0.037	0.036	0.5	0.036	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS4	0.020	0.027	0.030	0.031	0.031	0.033	0.030	0.031	0.037	0.026	0.5	0.030	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS4	0.024	0.037	0.045	0.045	0.048	0.040	0.037	0.032	0.036	0.033	0.5	0.038	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.030	BS5	0.004	0.006	0.004	0.003	0.003	0.006	0.007	0.010	0.011	0.018	0.5	0.007	0.000	0.000

MPE calculations are defined in section 15.0

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Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.020	BS5	0.004	0.010	0.015	0.011	0.010	0.015	0.016	0.018	0.022	0.025	0.5	0.015	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.020	BS5	0.006	0.010	0.020	0.017	0.022	0.026	0.030	0.030	0.030	0.027	0.5	0.022	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.020	BS5	0.012	0.010	0.010	0.015	0.014	0.017	0.018	0.018	0.018	0.017	0.5	0.015	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.020	BS5	0.020	0.027	0.025	0.026	0.026	0.022	0.030	0.024	0.030	0.030	0.5	0.027	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.020	BS5	0.024	0.024	0.030	0.021	0.018	0.023	0.025	0.026	0.021	0.021	0.5	0.024	0.010	0.010
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS1	0.041	0.040	0.042	0.050	0.060	0.064	0.066	0.066	0.065	0.063	0.5	0.086	0.043	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS2	0.036	0.040	0.042	0.050	0.057	0.065	0.068	0.070	0.067	0.065	0.5	0.087	0.044	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS3	0.042	0.045	0.046	0.054	0.059	0.064	0.064	0.067	0.066	0.068	0.5	0.090	0.045	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS4	0.035	0.037	0.038	0.045	0.049	0.053	0.054	0.055	0.056	0.058	0.5	0.063	0.032	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.840	BS5	0.026	0.027	0.031	0.035	0.037	0.032	0.047	0.044	0.042	0.041	0.5	0.036	0.018	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS1	0.034	0.033	0.034	0.042	0.047	0.050	0.051	0.048	0.047	0.045	0.5	0.051	0.025	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.034	0.037	0.040	0.047	0.051	0.052	0.051	0.050	0.047	0.045	0.5	0.056	0.028	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.043	0.043	0.048	0.055	0.066	0.065	0.062	0.055	0.053	0.053	0.5	0.078	0.039	0.040

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MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.042	0.041	0.045	0.051	0.055	0.052	0.050	0.047	0.051	0.053	0.5	0.061	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.036	0.038	0.041	0.047	0.050	0.050	0.050	0.051	0.057	0.060	0.5	0.057	0.028	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS2	0.037	0.034	0.034	0.027	0.040	0.048	0.051	0.058	0.040	0.035	0.5	0.045	0.023	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.037	0.031	0.036	0.046	0.045	0.055	0.065	0.056	0.052	0.048	0.5	0.062	0.031	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.042	0.031	0.037	0.046	0.040	0.065	0.062	0.065	0.066	0.063	0.5	0.074	0.037	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.036	0.041	0.046	0.038	0.032	0.061	0.068	0.065	0.066	0.060	0.5	0.071	0.036	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.043	0.038	0.042	0.050	0.050	0.054	0.067	0.066	0.066	0.063	0.5	0.073	0.036	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS3	0.032	0.035	0.034	0.039	0.042	0.045	0.045	0.047	0.044	0.042	0.5	0.044	0.022	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.039	0.043	0.045	0.053	0.058	0.061	0.063	0.062	0.056	0.051	0.5	0.077	0.038	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.041	0.047	0.047	0.056	0.061	0.064	0.062	0.063	0.058	0.058	0.5	0.082	0.041	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.043	0.052	0.055	0.061	0.063	0.064	0.063	0.064	0.056	0.054	0.5	0.085	0.042	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.042	0.052	0.054	0.058	0.060	0.061	0.059	0.059	0.053	0.048	0.5	0.073	0.036	0.040
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS4	0.032	0.028	0.027	0.035	0.033	0.037	0.035	0.036	0.036	0.036	0.5	0.030	0.015	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.035	0.036	0.037	0.044	0.047	0.051	0.055	0.052	0.051	0.050	0.5	0.057	0.029	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.034	0.036	0.040	0.044	0.048	0.054	0.052	0.052	0.050	0.050	0.5	0.056	0.028	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.038	0.041	0.042	0.050	0.052	0.060	0.060	0.056	0.050	0.047	0.5	0.064	0.032	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.034	0.036	0.037	0.040	0.040	0.043	0.040	0.036	0.033	0.031	0.5	0.033	0.017	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.840	BS5	0.022	0.022	0.025	0.026	0.030	0.033	0.032	0.026	0.030	0.030	0.5	0.021	0.010	0.010
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.024	0.030	0.027	0.027	0.040	0.047	0.045	0.038	0.050	0.043	0.5	0.039	0.019	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.027	0.032	0.027	0.026	0.030	0.046	0.048	0.043	0.043	0.028	0.5	0.034	0.017	0.020
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.035	0.038	0.036	0.038	0.053	0.063	0.063	0.033	0.041	0.030	0.5	0.050	0.025	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.025	0.036	0.041	0.047	0.052	0.044	0.051	0.043	0.025	0.021	0.5	0.039	0.019	0.020
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS1	0.040	0.040	0.041	0.048	0.060	0.063	0.065	0.062	0.058	0.058	0.5	0.080	0.040	0.040
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.042	0.041	0.043	0.052	0.063	0.067	0.070	0.068	0.065	0.060	0.5	0.092	0.046	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS2	0.040	0.042	0.045	0.052	0.060	0.066	0.070	0.070	0.073	0.068	0.5	0.098	0.049	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.041	0.045	0.050	0.055	0.061	0.070	0.071	0.072	0.073	0.072	0.5	0.105	0.053	0.050

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MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS3	0.044	0.056	0.053	0.056	0.061	0.067	0.070	0.071	0.070	0.070	0.5	0.106	0.053	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.041	0.046	0.044	0.055	0.061	0.062	0.065	0.068	0.066	0.066	0.5	0.092	0.046	0.050
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS4	0.040	0.036	0.039	0.044	0.048	0.053	0.054	0.056	0.054	0.053	0.5	0.063	0.032	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.036	0.033	0.038	0.039	0.039	0.043	0.047	0.047	0.048	0.050	0.5	0.049	0.024	0.030
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58.0	CW	H	0.850	BS5	0.023	0.022	0.025	0.030	0.027	0.041	0.045	0.038	0.040	0.037	0.5	0.031	0.016	0.020
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.020	0.023	0.028	0.030	0.036	0.040	0.050	0.042	0.041	0.041	0.5	0.036	0.018	0.020
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.041	0.040	0.044	0.050	0.061	0.065	0.067	0.061	0.061	0.056	0.5	0.084	0.042	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.040	0.040	0.041	0.050	0.056	0.060	0.057	0.054	0.057	0.051	0.5	0.070	0.035	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.041	0.043	0.046	0.052	0.058	0.063	0.070	0.070	0.070	0.067	0.5	0.095	0.047	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.040	0.041	0.045	0.052	0.061	0.065	0.065	0.064	0.063	0.060	0.5	0.085	0.042	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.037	0.040	0.042	0.047	0.054	0.060	0.061	0.062	0.064	0.063	0.5	0.079	0.040	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.044	0.051	0.053	0.061	0.067	0.068	0.071	0.070	0.066	0.061	0.5	0.102	0.051	0.050
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.036	0.031	0.030	0.036	0.037	0.042	0.042	0.044	0.044	0.047	0.5	0.042	0.021	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements													
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.037	0.037	0.039	0.046	0.053	0.056	0.061	0.061	0.055	0.054	0.5	0.068	0.034	0.040
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.018	0.017	0.026	0.028	0.034	0.033	0.040	0.040	0.038	0.038	0.5	0.028	0.014	0.010
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.023	0.033	0.040	0.043	0.051	0.061	0.062	0.063	0.057	0.042	0.5	0.064	0.032	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.040	0.040	0.043	0.040	0.058	0.058	0.057	0.053	0.051	0.046	0.5	0.064	0.032	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS1	0.047	0.046	0.052	0.063	0.068	0.072	0.068	0.063	0.058	0.054	0.5	0.093	0.046	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS1	0.048	0.046	0.050	0.061	0.065	0.063	0.060	0.053	0.058	0.056	0.5	0.080	0.040	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.040	0.041	0.044	0.050	0.056	0.061	0.063	0.058	0.063	0.056	0.5	0.077	0.039	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS2	0.048	0.050	0.053	0.060	0.065	0.074	0.075	0.076	0.072	0.070	0.5	0.110	0.055	0.060
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS2	0.047	0.048	0.050	0.056	0.061	0.067	0.068	0.065	0.065	0.063	0.5	0.090	0.045	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.042	0.046	0.053	0.058	0.063	0.066	0.067	0.065	0.061	0.059	0.5	0.091	0.046	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS3	0.042	0.045	0.050	0.058	0.063	0.068	0.069	0.069	0.066	0.065	0.5	0.094	0.047	0.050
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS3	0.041	0.045	0.051	0.058	0.061	0.064	0.063	0.060	0.056	0.053	0.5	0.079	0.039	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.038	0.035	0.043	0.046	0.050	0.056	0.055	0.055	0.054	0.053	0.5	0.064	0.032	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS4	0.041	0.038	0.040	0.047	0.053	0.056	0.060	0.060	0.056	0.059	0.5	0.069	0.035	0.040
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS4	0.041	0.040	0.042	0.051	0.052	0.055	0.060	0.052	0.050	0.046	0.5	0.062	0.031	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.030	0.032	0.037	0.040	0.050	0.047	0.055	0.055	0.038	0.041	0.5	0.050	0.025	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS5	0.028	0.031	0.037	0.040	0.043	0.044	0.052	0.046	0.048	0.045	0.5	0.046	0.023	0.020
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS5	0.021	0.035	0.043	0.034	0.052	0.061	0.061	0.053	0.037	0.040	0.5	0.052	0.026	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS1	0.044	0.043	0.047	0.054	0.062	0.058	0.054	0.051	0.051	0.054	0.5	0.069	0.034	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.044	0.042	0.045	0.051	0.054	0.052	0.050	0.048	0.051	0.052	0.5	0.061	0.030	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.040	0.040	0.043	0.050	0.053	0.053	0.053	0.054	0.057	0.064	0.5	0.063	0.032	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS2	0.046	0.046	0.047	0.054	0.057	0.061	0.064	0.060	0.062	0.058	0.5	0.079	0.040	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.044	0.042	0.046	0.052	0.057	0.065	0.066	0.063	0.063	0.064	0.5	0.082	0.041	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.040	0.042	0.047	0.054	0.063	0.068	0.070	0.064	0.067	0.063	0.5	0.083	0.042	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS3	0.038	0.042	0.048	0.056	0.058	0.060	0.060	0.057	0.054	0.052	0.5	0.071	0.036	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.041	0.048	0.054	0.060	0.065	0.064	0.063	0.059	0.056	0.054	0.5	0.082	0.041	0.040

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.047	0.056	0.057	0.061	0.063	0.067	0.062	0.058	0.054	0.054	0.5	0.082	0.041	0.040
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS4	0.043	0.041	0.039	0.048	0.051	0.052	0.051	0.049	0.047	0.044	0.5	0.055	0.028	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.040	0.041	0.043	0.053	0.054	0.057	0.058	0.052	0.050	0.048	0.5	0.063	0.032	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.037	0.036	0.037	0.043	0.044	0.046	0.042	0.040	0.040	0.036	0.5	0.039	0.020	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS5	0.035	0.034	0.036	0.036	0.050	0.054	0.040	0.038	0.028	0.032	0.5	0.039	0.019	0.020
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.036	0.032	0.040	0.050	0.056	0.057	0.048	0.051	0.047	0.033	0.5	0.053	0.027	0.030
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.026	0.035	0.031	0.046	0.051	0.051	0.050	0.041	0.035	0.031	0.5	0.040	0.020	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.038	0.038	0.040	0.046	0.053	0.060	0.062	0.058	0.060	0.055	0.5	0.075	0.037	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.041	0.040	0.043	0.051	0.062	0.066	0.068	0.065	0.064	0.056	0.5	0.087	0.044	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.040	0.038	0.047	0.047	0.056	0.054	0.055	0.053	0.051	0.050	0.5	0.065	0.033	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS1	0.043	0.042	0.047	0.058	0.063	0.064	0.058	0.060	0.053	0.054	0.5	0.078	0.039	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS1	0.042	0.041	0.045	0.051	0.052	0.053	0.051	0.050	0.048	0.051	0.5	0.060	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.037	0.038	0.040	0.047	0.053	0.060	0.063	0.062	0.063	0.061	0.5	0.080	0.040	0.040

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.040	0.045	0.046	0.053	0.063	0.070	0.071	0.072	0.070	0.070	0.5	0.102	0.051	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.038	0.040	0.045	0.051	0.057	0.061	0.063	0.065	0.061	0.061	0.5	0.081	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS2	0.045	0.045	0.050	0.055	0.061	0.068	0.070	0.067	0.068	0.064	0.5	0.094	0.047	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS2	0.041	0.042	0.044	0.050	0.056	0.058	0.060	0.058	0.058	0.055	0.5	0.070	0.035	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.039	0.043	0.044	0.048	0.057	0.059	0.061	0.062	0.059	0.060	0.5	0.081	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.038	0.045	0.042	0.047	0.050	0.058	0.063	0.062	0.060	0.060	0.5	0.077	0.039	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.041	0.046	0.052	0.058	0.064	0.066	0.069	0.067	0.064	0.061	0.5	0.094	0.047	0.050
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS3	0.029	0.044	0.046	0.054	0.059	0.066	0.064	0.064	0.061	0.061	0.5	0.081	0.041	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS3	0.037	0.043	0.045	0.052	0.055	0.058	0.057	0.054	0.054	0.046	0.5	0.065	0.032	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.037	0.033	0.036	0.042	0.044	0.048	0.050	0.050	0.050	0.051	0.5	0.055	0.028	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.032	0.036	0.030	0.046	0.041	0.044	0.046	0.044	0.044	0.046	0.5	0.046	0.023	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.041	0.037	0.038	0.044	0.049	0.055	0.055	0.055	0.053	0.052	0.5	0.062	0.031	0.030
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS4	0.035	0.036	0.046	0.042	0.046	0.052	0.052	0.052	0.052	0.052	0.5	0.057	0.029	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS4	0.032	0.035	0.037	0.043	0.047	0.049	0.050	0.047	0.043	0.041	0.5	0.046	0.023	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.020	0.025	0.020	0.030	0.032	0.037	0.040	0.037	0.031	0.035	0.5	0.028	0.014	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.022	0.022	0.020	0.030	0.032	0.038	0.042	0.038	0.033	0.035	0.5	0.028	0.014	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.030	0.030	0.037	0.044	0.042	0.034	0.052	0.040	0.055	0.045	0.5	0.046	0.023	0.020
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.830	BS5	0.022	0.028	0.027	0.040	0.031	0.028	0.030	0.043	0.030	0.030	0.5	0.026	0.013	0.010
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.820	BS5	0.031	0.033	0.036	0.038	0.048	0.048	0.051	0.040	0.042	0.041	0.5	0.043	0.022	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.037	0.038	0.040	0.045	0.047	0.050	0.056	0.044	0.041	0.051	0.5	0.057	0.029	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.036	0.038	0.035	0.048	0.052	0.063	0.068	0.067	0.053	0.052	0.5	0.075	0.038	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.030	0.035	0.042	0.040	0.050	0.045	0.046	0.041	0.043	0.044	0.5	0.047	0.023	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.034	0.042	0.040	0.048	0.058	0.055	0.053	0.050	0.043	0.043	0.5	0.058	0.029	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.033	0.032	0.040	0.045	0.048	0.045	0.043	0.040	0.050	0.055	0.5	0.048	0.024	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.032	0.030	0.032	0.040	0.042	0.040	0.043	0.045	0.037	0.055	0.5	0.039	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.028	0.027	0.032	0.034	0.043	0.046	0.042	0.043	0.042	0.045	0.5	0.042	0.021	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.032	0.033	0.036	0.047	0.050	0.066	0.068	0.071	0.064	0.070	0.5	0.085	0.042	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.027	0.033	0.038	0.044	0.053	0.057	0.065	0.060	0.055	0.047	0.5	0.065	0.032	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.040	0.036	0.037	0.050	0.055	0.066	0.065	0.065	0.061	0.058	0.5	0.077	0.039	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.037	0.038	0.040	0.038	0.044	0.053	0.062	0.054	0.058	0.057	0.5	0.061	0.030	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.038	0.035	0.042	0.043	0.055	0.053	0.062	0.060	0.061	0.060	0.5	0.065	0.032	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.022	0.039	0.040	0.043	0.045	0.047	0.050	0.054	0.053	0.056	0.5	0.059	0.029	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.033	0.041	0.043	0.047	0.055	0.058	0.060	0.062	0.061	0.060	0.5	0.076	0.038	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.039	0.045	0.047	0.056	0.061	0.063	0.066	0.062	0.058	0.056	0.5	0.083	0.042	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.037	0.041	0.044	0.052	0.056	0.059	0.061	0.061	0.056	0.056	0.5	0.073	0.036	0.040
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.038	0.043	0.046	0.054	0.057	0.057	0.060	0.055	0.051	0.047	0.5	0.067	0.033	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.040	0.046	0.048	0.054	0.058	0.058	0.055	0.053	0.047	0.046	0.5	0.062	0.031	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.032	0.030	0.030	0.035	0.037	0.041	0.042	0.042	0.044	0.042	0.5	0.040	0.020	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.030	0.031	0.032	0.037	0.037	0.042	0.044	0.045	0.045	0.047	0.5	0.042	0.021	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.040	0.040	0.038	0.046	0.048	0.053	0.060	0.057	0.053	0.051	0.5	0.064	0.032	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.037	0.037	0.037	0.045	0.046	0.050	0.050	0.050	0.048	0.048	0.5	0.053	0.026	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.036	0.038	0.041	0.046	0.047	0.050	0.051	0.048	0.046	0.042	0.5	0.051	0.025	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.032	0.036	0.035	0.040	0.041	0.040	0.037	0.034	0.032	0.030	0.5	0.031	0.016	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.028	0.025	0.027	0.030	0.034	0.039	0.038	0.039	0.037	0.036	0.5	0.032	0.016	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.025	0.023	0.028	0.030	0.035	0.039	0.041	0.041	0.040	0.039	0.5	0.033	0.016	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.031	0.033	0.037	0.042	0.047	0.052	0.055	0.055	0.052	0.050	0.5	0.057	0.028	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.032	0.032	0.036	0.040	0.043	0.048	0.047	0.045	0.040	0.037	0.5	0.042	0.021	0.020
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.036	0.036	0.042	0.044	0.049	0.051	0.050	0.048	0.044	0.039	0.5	0.050	0.025	0.030
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.035	0.034	0.039	0.043	0.046	0.046	0.044	0.038	0.033	0.027	0.5	0.037	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.030	0.028	0.032	0.038	0.036	0.038	0.040	0.045	0.043	0.050	0.5	0.041	0.021	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.015	0.022	0.038	0.040	0.043	0.051	0.052	0.053	0.047	0.058	0.5	0.053	0.026	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.030	0.033	0.027	0.034	0.038	0.037	0.041	0.044	0.050	0.054	0.5	0.042	0.021	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.040	0.036	0.043	0.042	0.052	0.050	0.043	0.046	0.054	0.065	0.5	0.059	0.030	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.043	0.038	0.044	0.047	0.048	0.050	0.054	0.055	0.058	0.070	0.5	0.067	0.034	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.027	0.025	0.035	0.041	0.040	0.045	0.042	0.047	0.067	0.072	0.5	0.052	0.026	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.023	0.026	0.028	0.027	0.028	0.033	0.043	0.047	0.045	0.044	0.5	0.035	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.028	0.024	0.031	0.041	0.047	0.051	0.054	0.055	0.060	0.062	0.5	0.061	0.030	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.030	0.030	0.036	0.040	0.043	0.044	0.045	0.043	0.043	0.047	0.5	0.044	0.022	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.038	0.033	0.036	0.050	0.052	0.061	0.058	0.054	0.070	0.062	0.5	0.072	0.036	0.040
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.030	0.036	0.036	0.046	0.045	0.040	0.052	0.057	0.061	0.062	0.5	0.058	0.029	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.022	0.023	0.036	0.050	0.048	0.063	0.060	0.062	0.061	0.071	0.5	0.066	0.033	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.027	0.028	0.026	0.030	0.034	0.038	0.042	0.042	0.043	0.046	0.5	0.037	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.032	0.034	0.034	0.039	0.044	0.047	0.050	0.051	0.053	0.050	0.5	0.053	0.026	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.032	0.035	0.036	0.042	0.046	0.047	0.047	0.048	0.046	0.045	0.5	0.049	0.024	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.037	0.038	0.043	0.047	0.057	0.057	0.059	0.057	0.056	0.052	0.5	0.067	0.034	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.035	0.038	0.043	0.052	0.056	0.058	0.059	0.056	0.051	0.051	0.5	0.065	0.032	0.030

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.037	0.045	0.046	0.050	0.057	0.058	0.057	0.056	0.050	0.051	0.5	0.063	0.031	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.032	0.032	0.030	0.040	0.040	0.043	0.048	0.047	0.046	0.046	0.5	0.047	0.023	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.035	0.032	0.030	0.042	0.041	0.044	0.045	0.045	0.045	0.045	0.5	0.045	0.023	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.036	0.035	0.033	0.044	0.046	0.047	0.050	0.047	0.045	0.043	0.5	0.049	0.025	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.038	0.038	0.038	0.043	0.048	0.052	0.052	0.051	0.050	0.047	0.5	0.055	0.028	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.038	0.040	0.042	0.050	0.052	0.062	0.054	0.048	0.047	0.044	0.5	0.059	0.029	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.035	0.040	0.036	0.045	0.044	0.044	0.042	0.038	0.033	0.034	0.5	0.037	0.019	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.025	0.024	0.026	0.030	0.034	0.039	0.040	0.041	0.039	0.040	0.5	0.033	0.017	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.024	0.024	0.027	0.032	0.036	0.040	0.042	0.041	0.040	0.038	0.5	0.033	0.017	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.028	0.029	0.035	0.039	0.045	0.050	0.051	0.049	0.047	0.044	0.5	0.048	0.024	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.029	0.029	0.034	0.038	0.040	0.043	0.044	0.040	0.035	0.033	0.5	0.035	0.018	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.038	0.037	0.041	0.046	0.050	0.053	0.050	0.047	0.041	0.036	0.5	0.050	0.025	0.030
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.032	0.034	0.038	0.044	0.045	0.047	0.041	0.036	0.030	0.028	0.5	0.035	0.017	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS1	0.016	0.023	0.025	0.030	0.035	0.036	0.038	0.040	0.046	0.054	0.5	0.036	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS1	0.018	0.025	0.023	0.033	0.034	0.036	0.038	0.040	0.050	0.057	0.5	0.038	0.019	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS1	0.032	0.028	0.025	0.030	0.040	0.038	0.030	0.040	0.044	0.055	0.5	0.037	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS1	0.033	0.030	0.034	0.043	0.044	0.044	0.040	0.045	0.063	0.073	0.5	0.057	0.028	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS1	0.032	0.033	0.035	0.041	0.042	0.044	0.045	0.046	0.061	0.072	0.5	0.055	0.028	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS1	0.035	0.035	0.040	0.041	0.043	0.044	0.051	0.064	0.075	0.089	0.5	0.072	0.036	0.040
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS2	0.020	0.024	0.026	0.028	0.030	0.035	0.033	0.030	0.033	0.044	0.5	0.027	0.013	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS2	0.025	0.027	0.028	0.033	0.038	0.044	0.040	0.045	0.050	0.052	0.5	0.042	0.021	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS2	0.027	0.028	0.035	0.032	0.040	0.040	0.038	0.034	0.043	0.045	0.5	0.036	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS2	0.036	0.037	0.036	0.033	0.043	0.041	0.047	0.040	0.055	0.047	0.5	0.046	0.023	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS2	0.030	0.028	0.036	0.038	0.036	0.042	0.032	0.044	0.046	0.054	0.5	0.039	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS2	0.034	0.035	0.038	0.042	0.052	0.054	0.055	0.065	0.072	0.072	0.5	0.070	0.035	0.040
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS3	0.028	0.029	0.026	0.028	0.033	0.032	0.034	0.032	0.030	0.034	0.5	0.026	0.013	0.010

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS3	0.027	0.029	0.027	0.031	0.036	0.039	0.040	0.039	0.038	0.042	0.5	0.034	0.017	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS3	0.027	0.028	0.029	0.033	0.038	0.037	0.035	0.032	0.031	0.035	0.5	0.028	0.014	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS3	0.031	0.033	0.037	0.042	0.047	0.049	0.048	0.050	0.044	0.049	0.5	0.049	0.025	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS3	0.028	0.031	0.033	0.036	0.038	0.039	0.037	0.036	0.037	0.041	0.5	0.032	0.016	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS3	0.032	0.042	0.041	0.045	0.048	0.049	0.049	0.050	0.048	0.052	0.5	0.051	0.025	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS4	0.035	0.032	0.028	0.036	0.037	0.038	0.040	0.040	0.036	0.037	0.5	0.036	0.018	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS4	0.040	0.034	0.033	0.042	0.043	0.043	0.045	0.044	0.040	0.040	0.5	0.045	0.022	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS4	0.036	0.032	0.030	0.040	0.037	0.040	0.040	0.038	0.033	0.033	0.5	0.035	0.017	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS4	0.038	0.036	0.036	0.048	0.048	0.048	0.050	0.046	0.043	0.042	0.5	0.050	0.025	0.030
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS4	0.034	0.036	0.034	0.044	0.043	0.042	0.042	0.038	0.033	0.035	0.5	0.037	0.019	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS4	0.036	0.038	0.040	0.046	0.044	0.045	0.041	0.040	0.035	0.036	0.5	0.039	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.860	BS5	0.023	0.022	0.025	0.026	0.028	0.033	0.034	0.032	0.032	0.031	0.5	0.023	0.012	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.850	BS5	0.023	0.023	0.027	0.030	0.035	0.039	0.039	0.038	0.035	0.034	0.5	0.029	0.015	0.020

MPE calculations are defined in section 15.0

Table F.1 (Continued)

APX6500 VHF - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.840	BS5	0.025	0.026	0.030	0.034	0.038	0.040	0.040	0.038	0.035	0.034	0.5	0.031	0.016	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.830	BS5	0.025	0.026	0.030	0.034	0.037	0.038	0.038	0.035	0.030	0.029	0.5	0.027	0.014	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.820	BS5	0.030	0.031	0.033	0.037	0.039	0.039	0.038	0.035	0.030	0.030	0.5	0.030	0.015	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.800	BS5	0.033	0.033	0.037	0.040	0.042	0.042	0.038	0.034	0.029	0.029	0.5	0.031	0.016	0.020

MPE calculations are defined in section 15.0

Table F.2

APX6500 VHF - MPE measurement data for Passenger

Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4006A 1/4 Wave (136-144 MHz)	2.15	136	60.0	58.1	CW	E	1.03	PB	0.637	0.357	0.173	0.5	0.401	0.200	0.21
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140	60.0	58	CW	E	1.02	PB	0.651	0.404	0.203	0.5	0.428	0.210	0.22
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PB	0.54	0.394	0.227	0.5	0.395	0.197	0.21
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PB	0.498	0.337	0.243	0.5	0.367	0.183	0.19
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PB	0.436	0.440	0.360	0.5	0.420	0.210	0.22
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PB	0.372	0.387	0.303	0.5	0.361	0.181	0.19
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PB	0.357	0.496	0.396	0.5	0.425	0.212	0.22
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PB	0.389	0.537	0.4	0.5	0.451	0.225	0.23
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PB	0.346	0.492	0.395	0.5	0.419	0.210	0.21
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.299	0.495	0.41	0.5	0.409	0.205	0.21
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.112	0.317	0.331	0.5	0.258	0.129	0.13
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PB	0.595	0.321	0.167	0.5	0.372	0.190	0.19
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PB	0.48	0.363	0.226	0.5	0.363	0.180	0.19
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PB	0.39	0.41	0.308	0.5	0.377	0.190	0.20
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PB	0.304	0.404	0.342	0.5	0.357	0.179	0.18

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162	60.0	59	CW	E	1.02	PB	0.278	0.416	0.331	0.5	0.349	0.174	0.18
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146	60.0	57.7	CW	E	1.02	PB	0.275	0.231	0.149	0.5	0.223	0.111	0.12
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PB	0.326	0.359	0.268	0.5	0.324	0.160	0.17
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.349	0.425	0.378	0.5	0.392	0.196	0.20
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.346	0.499	0.434	0.5	0.435	0.220	0.22
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.174	0.25	0.301	0.5	0.247	0.120	0.13
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PB	0.491	0.245	0.132	0.5	0.298	0.150	0.15
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PB	0.35	0.364	0.23	0.5	0.321	0.160	0.17
Roof	HAD4021A,1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PB	0.317	0.365	0.267	0.5	0.323	0.160	0.17
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.32	0.355	0.33	0.5	0.342	0.170	0.18
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.32	0.382	0.333	0.5	0.352	0.180	0.18
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.14	0.222	0.264	0.5	0.213	0.110	0.11
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.03	PB	0.083	0.043	0.019	0.5	0.050	0.020	0.03
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.02	PB	0.05	0.106	0.061	0.5	0.074	0.037	0.04
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.02	PB	0.01	0.105	0.073	0.5	0.064	0.032	0.03

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.014	0.143	0.141	0.5	0.101	0.051	0.05
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.012	0.271	0.22	0.5	0.171	0.086	0.09
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.015	0.19	0.167	0.5	0.126	0.063	0.06
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136	60.0	58.1	CW	E	1.03	PB	0.031	0.014	0.007	0.5	0.018	0.009	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144	60.0	57.7	CW	E	1.02	PB	0.061	0.057	0.043	0.5	0.055	0.030	0.03
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8	60.0	57.9	CW	E	1.02	PB	0.035	0.05	0.051	0.5	0.046	0.020	0.02
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PB	0.038	0.043	0.06	0.5	0.048	0.020	0.02
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PB	0.03	0.094	0.085	0.5	0.071	0.040	0.04
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PB	0.025	0.097	0.121	0.5	0.083	0.040	0.04
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.094	0.06	0.045	0.5	0.134	0.067	0.07
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58	CW	H	0.85	PB	0.084	0.06	0.044	0.5	0.114	0.060	0.06
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.082	0.063	0.044	0.5	0.115	0.060	0.06
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.079	0.06	0.042	0.5	0.105	0.050	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.079	0.069	0.057	0.5	0.126	0.060	0.07
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.075	0.064	0.038	0.5	0.099	0.050	0.05
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PB	0.085	0.077	0.064	0.5	0.149	0.070	0.080
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59.0	CW	H	0.82	PB	0.081	0.078	0.068	0.5	0.146	0.070	0.070

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162	60.0	59	CW	H	0.82	PB	0.076	0.073	0.064	0.5	0.128	0.060	0.07
Roof	HAD4009A 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.079	0.071	0.066	0.5	0.132	0.070	0.07
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.072	0.065	0.061	0.5	0.106	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136	60.0	58.1	CW	H	0.86	PB	0.088	0.058	0.039	0.5	0.117	0.060	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144	60.0	57.7	CW	H	0.85	PB	0.078	0.058	0.043	0.5	0.103	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8	60.0	57.9	CW	H	0.84	PB	0.076	0.063	0.05	0.5	0.109	0.050	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PB	0.078	0.071	0.06	0.5	0.127	0.060	0.07
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59	CW	H	0.82	PB	0.072	0.067	0.061	0.5	0.113	0.060	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.84	PB	0.065	0.04	0.036	0.5	0.063	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.059	0.046	0.5	0.094	0.050	0.05
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.078	0.072	0.063	0.5	0.132	0.070	0.07
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.08	0.073	0.056	0.5	0.126	0.063	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.071	0.063	0.056	0.5	0.098	0.050	0.05
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.075	0.053	0.037	0.5	0.091	0.050	0.050
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.069	0.059	0.041	0.5	0.090	0.045	0.050
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.06	0.043	0.5	0.093	0.050	0.050

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162	60.0	59	CW	H	0.82	PB	0.076	0.073	0.064	0.5	0.128	0.060	0.07
Roof	HAD4009A 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.079	0.071	0.066	0.5	0.132	0.070	0.07
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.072	0.065	0.061	0.5	0.106	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136	60.0	58.1	CW	H	0.86	PB	0.088	0.058	0.039	0.5	0.117	0.060	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144	60.0	57.7	CW	H	0.85	PB	0.078	0.058	0.043	0.5	0.103	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8	60.0	57.9	CW	H	0.84	PB	0.076	0.063	0.05	0.5	0.109	0.050	0.06
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PB	0.078	0.071	0.06	0.5	0.127	0.060	0.07
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59	CW	H	0.82	PB	0.072	0.067	0.061	0.5	0.113	0.060	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.84	PB	0.065	0.04	0.036	0.5	0.063	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.059	0.046	0.5	0.094	0.050	0.05
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.078	0.072	0.063	0.5	0.132	0.070	0.07
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.08	0.073	0.056	0.5	0.126	0.063	0.06
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.071	0.063	0.056	0.5	0.098	0.050	0.05
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.075	0.053	0.037	0.5	0.091	0.050	0.050
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.069	0.059	0.041	0.5	0.090	0.045	0.050
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.071	0.06	0.043	0.5	0.093	0.050	0.050

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.076	0.067	0.062	0.5	0.122	0.060	0.06
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.073	0.067	0.062	0.5	0.115	0.060	0.06
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.066	0.06	0.053	0.5	0.087	0.040	0.04
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136	60.0	58.1	CW	H	0.86	PB	0.034	0.022	0.020	0.5	0.019	0.009	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144	60.0	57.7	CW	H	0.85	PB	0.043	0.034	0.027	0.5	0.034	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8	60.0	57.9	CW	H	0.84	PB	0.042	0.031	0.027	0.5	0.031	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.043	0.04	0.037	0.5	0.042	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.061	0.057	0.049	0.5	0.079	0.040	0.04
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.05	0.048	0.043	0.5	0.054	0.030	0.03
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.86	PB	0.025	0.017	0.017	0.5	0.011	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.85	PB	0.038	0.024	0.018	0.5	0.021	0.011	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.84	PB	0.036	0.028	0.019	0.5	0.022	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PB	0.038	0.034	0.023	0.5	0.027	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PB	0.041	0.037	0.034	0.5	0.036	0.020	0.020
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PB	0.047	0.04	0.038	0.5	0.042	0.021	0.020

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136	60.0	58.1	CW	E	1.03	PF	0.138	0.121	0.07	0.5	0.113	0.060	0.06
Roof	HAD4006A, /4 Wave (136-144 MHz)	2.15	140	60.0	58	CW	E	1.02	PF	0.106	0.103	0.078	0.5	0.098	0.050	0.05
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PF	0.079	0.112	0.101	0.5	0.099	0.050	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144	60.0	57.7	CW	E	1.02	PF	0.088	0.110	0.093	0.5	0.099	0.049	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PF	0.094	0.088	0.073	0.5	0.087	0.043	0.04
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PF	0.08	0.071	0.061	0.5	0.072	0.036	0.04
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PF	0.065	0.052	0.044	0.5	0.055	0.027	0.03
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PF	0.07	0.106	0.115	0.5	0.099	0.049	0.05
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162.0000	60.0	59	CW	E	1.02	PF	0.062	0.079	0.105	0.5	0.084	0.042	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.054	0.077	0.115	0.5	0.084	0.042	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.07	0.078	0.103	0.5	0.085	0.043	0.04
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PF	0.124	0.101	0.048	0.5	0.094	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PF	0.081	0.084	0.073	0.5	0.081	0.040	0.04
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PF	0.088	0.09	0.075	0.5	0.086	0.040	0.040
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	E	1.02	PF	0.056	0.042	0.049	0.5	0.050	0.025	0.030

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162	60.0	59	CW	E	1.02	PF	0.05	0.075	0.097	0.5	0.075	0.038	0.04
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146	60.0	57.7	CW	E	1.02	PF	0.037	0.052	0.037	0.5	0.043	0.021	0.02
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8	60.0	57.9	CW	E	1.02	PF	0.077	0.075	0.062	0.5	0.073	0.040	0.04
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.049	0.051	0.058	0.5	0.054	0.027	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.058	0.068	0.103	0.5	0.078	0.040	0.04
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.061	0.07	0.095	0.5	0.077	0.040	0.04
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136.0000	60.0	58.1	CW	E	1.03	PF	0.097	0.075	0.035	0.5	0.071	0.040	0.04
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144.0000	60.0	57.7	CW	E	1.02	PF	0.083	0.1	0.074	0.5	0.087	0.040	0.05
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8000	60.0	57.9	CW	E	1.02	PF	0.078	0.077	0.056	0.5	0.072	0.040	0.04
Roof	HAD4021A,1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.036	0.039	0.051	0.5	0.043	0.020	0.02
Roof	HAD4021A 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.048	0.046	0.083	0.5	0.060	0.030	0.03
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.056	0.067	0.078	0.5	0.068	0.030	0.03
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	E	1.03	PF	0.024	0.021	0.01	0.5	0.019	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	E	1.02	PF	0.023	0.028	0.038	0.5	0.030	0.015	0.020
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	E	1.02	PF	0.021	0.016	0.017	0.5	0.018	0.009	0.010

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.012	0.016	0.018	0.5	0.016	0.008	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.031	0.039	0.059	0.5	0.044	0.022	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.027	0.035	0.047	0.5	0.037	0.019	0.02
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136	60.0	58.1	CW	E	1.03	PF	0.029	0.024	0.014	0.5	0.023	0.012	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144	60.0	57.7	CW	E	1.02	PF	0.011	0.006	0.010	0.5	0.009	0.000	0.00
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8	60.0	57.9	CW	E	1.02	PF	0.028	0.027	0.018	0.5	0.025	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	E	1.02	PF	0.005	0.005	0.004	0.5	0.005	0.000	0.00
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	E	1.02	PF	0.011	0.012	0.02	0.5	0.015	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	E	1.02	PF	0.013	0.029	0.033	0.5	0.026	0.010	0.01
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	136.0000	60.0	58.1	CW	H	0.86	PF	0.082	0.078	0.025	0.5	0.125	0.062	0.06
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	140.0000	60.0	58	CW	H	0.85	PF	0.068	0.061	0.027	0.5	0.082	0.040	0.04
Roof	HAD4006A, 1/4 Wave (136-144 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.067	0.062	0.029	0.5	0.083	0.040	0.04
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.07	0.068	0.02	0.5	0.090	0.050	0.05
Roof	HAD4007A, 1/4 Wave (144-150.8 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.06	0.051	0.033	0.5	0.065	0.030	0.030
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.044	0.051	0.038	0.5	0.053	0.030	0.030

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	156.4	60.0	58.4	CW	H	0.83	PF	0.047	0.053	0.033	0.5	0.053	0.030	0.03
Roof	HAD4008A, 1/4 Wave (150.8-162 MHz)	2.15	162	60.0	59	CW	H	0.82	PF	0.048	0.068	0.055	0.5	0.084	0.040	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	162	60.0	59	CW	H	0.82	PF	0.054	0.064	0.052	0.5	0.082	0.040	0.04
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.045	0.054	0.051	0.5	0.064	0.030	0.03
Roof	HAD4009A, 1/4 Wave (162-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.050	0.056	0.052	0.5	0.067	0.030	0.03
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	136	60.0	58.1	CW	H	0.86	PF	0.072	0.07	0.031	0.5	0.103	0.050	0.05
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.064	0.051	0.029	0.5	0.068	0.030	0.04
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.044	0.047	0.033	0.5	0.046	0.020	0.02
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	156.4000	60.0	58.4	CW	H	0.83	PF	0.048	0.047	0.04	0.5	0.053	0.030	0.03
Roof	HAD4016A, 1/4 Wave (136-162 MHz)	2.15	162.0000	60.0	59	CW	H	0.82	PF	0.037	0.061	0.044	0.5	0.059	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	146.0000	60.0	57.7	CW	H	0.84	PF	0.045	0.038	0.023	0.5	0.035	0.020	0.02
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.047	0.048	0.031	0.5	0.049	0.020	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.04	0.052	0.039	0.5	0.050	0.030	0.03
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.047	0.047	0.058	0.5	0.066	0.033	0.030
Roof	HAD4017A, 1/4 Wave (146-174 MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.05	0.053	0.04	0.5	0.056	0.030	0.030

MPE calculations are defined in section 15.0

Table F.2 (Continued)

APX6500 VHF - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	136	60.0	58.1	CW	H	0.86	PF	0.072	0.064	0.029	0.5	0.094	0.050	0.05
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	144	60.0	57.7	CW	H	0.85	PF	0.061	0.053	0.031	0.5	0.068	0.034	0.04
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	150.8	60.0	57.9	CW	H	0.84	PF	0.065	0.049	0.033	0.5	0.068	0.030	0.04
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.040	0.050	0.040	0.5	0.049	0.020	0.03
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.039	0.045	0.050	0.5	0.051	0.030	0.03
Roof	HAD4021A, 1/4 Wave (136 -174MHz)	2.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.048	0.042	0.047	0.5	0.050	0.030	0.03
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.86	PF	0.036	0.033	0.021	0.5	0.026	0.013	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.038	0.03	0.021	0.5	0.025	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.034	0.031	0.024	0.5	0.024	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.035	0.032	0.028	0.5	0.026	0.010	0.01
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.034	0.041	0.042	0.5	0.039	0.019	0.02
Roof	HAD4022A, 5/8 Wave (132 -174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.031	0.032	0.031	0.5	0.024	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	136.0000	60.0	58.1	CW	H	0.86	PF	0.03	0.028	0.02	0.5	0.019	0.010	0.01
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	144.0000	60.0	57.7	CW	H	0.85	PF	0.022	0.021	0.016	0.5	0.011	0.005	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	150.8000	60.0	57.9	CW	H	0.84	PF	0.032	0.029	0.018	0.5	0.019	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	158.0125	60.0	58.5	CW	H	0.83	PF	0.021	0.02	0.019	0.5	0.010	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	165.0125	60.0	59.4	CW	H	0.82	PF	0.02	0.021	0.022	0.5	0.011	0.010	0.010
Roof	RAD4010ARB, 1/2 wave (136-174 MHz)	5.15	173.0125	60.0	58.8	CW	H	0.80	PF	0.029	0.026	0.027	0.5	0.018	0.009	0.010

MPE calculations are defined in section 15.0

Appendix G – MPE Test Results Summary for Companion Device (DVR 700)

Table G.1

Companion Device (DVR 700) - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	BS1	0.001	0.001	0.002	0.003	0.003	0.004	0.006	0.003	0.006	0.004	1.0	0.003	0.004	0.004
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	BS1	0.001	0.001	0.001	0.001	0.003	0.004	0.004	0.003	0.003	0.005	1.0	0.003	0.003	0.003
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	BS1	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.003	0.004	1.0	0.002	0.002	0.002
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	BS1	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	0.004	1.0	0.002	0.002	0.002
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	BS2	0.003	0.002	0.004	0.003	0.006	0.010	0.015	0.015	0.016	0.017	1.0	0.009	0.011	0.011
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	BS2	0.002	0.002	0.003	0.004	0.007	0.006	0.014	0.015	0.017	0.017	1.0	0.009	0.010	0.011
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	BS2	0.001	0.001	0.001	0.002	0.005	0.009	0.008	0.014	0.012	0.012	1.0	0.007	0.008	0.008
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	BS2	0.001	0.001	0.001	0.003	0.005	0.009	0.010	0.013	0.013	0.009	1.0	0.007	0.008	0.008
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	BS3	0.002	0.003	0.005	0.006	0.011	0.020	0.020	0.020	0.018	0.017	1.0	0.012	0.014	0.015
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	BS3	0.003	0.004	0.007	0.009	0.015	0.016	0.028	0.025	0.025	0.020	1.0	0.015	0.018	0.018
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	BS3	0.001	0.002	0.003	0.003	0.003	0.006	0.010	0.011	0.013	0.011	1.0	0.006	0.007	0.008
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	BS3	0.001	0.001	0.002	0.002	0.004	0.006	0.009	0.012	0.011	0.009	1.0	0.006	0.007	0.007

MPE calculations are defined in section 15.0.

Table G.1 (Continued)

Companion Device (DVR 700) - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	BS4	0.003	0.003	0.007	0.014	0.018	0.027	0.026	0.017	0.015	0.010	1.0	0.014	0.016	0.017
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	BS4	0.004	0.004	0.004	0.015	0.023	0.022	0.021	0.022	0.012	0.011	1.0	0.014	0.016	0.017
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	BS4	0.001	0.002	0.003	0.009	0.012	0.018	0.014	0.011	0.011	0.012	1.0	0.009	0.011	0.011
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	BS4	0.001	0.002	0.004	0.007	0.008	0.013	0.009	0.011	0.013	0.011	1.0	0.008	0.009	0.009
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	BS5	0.004	0.004	0.006	0.015	0.021	0.025	0.028	0.023	0.021	0.018	1.0	0.017	0.019	0.020
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	BS5	0.005	0.005	0.006	0.012	0.015	0.027	0.026	0.023	0.024	0.022	1.0	0.017	0.019	0.020
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	BS5	0.002	0.002	0.002	0.006	0.007	0.009	0.006	0.008	0.009	0.015	1.0	0.007	0.008	0.008
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	BS5	0.001	0.002	0.002	0.006	0.008	0.009	0.007	0.008	0.009	0.009	1.0	0.006	0.007	0.007

MPE calculations are defined in section 15.0.

Table G.2

Companion Device (DVR 700) - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.			MPE Measurements						
										Passenger/Operator (MC) Positions						
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3	DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	PB	0.049	0.018	0.020	1.0	0.029	0.034	0.035
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	PB	0.044	0.024	0.026	1.0	0.031	0.036	0.038
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	PB	0.015	0.016	0.024	1.0	0.018	0.021	0.022
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	PB	0.023	0.018	0.011	1.0	0.017	0.020	0.021
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0000	5.00	4.82	CW	E	1.16	PF	0.017	0.027	0.011	1.0	0.018	0.021	0.022
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.0000	5.00	4.79	CW	E	1.16	PF	0.024	0.037	0.017	1.0	0.026	0.030	0.031
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	800.0000	5.00	4.86	CW	E	1.17	PF	0.013	0.012	0.007	1.0	0.011	0.012	0.013
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0000	5.00	4.88	CW	E	1.16	PF	0.011	0.011	0.006	1.0	0.009	0.011	0.011

MPE calculations are defined in section 15.0.