MOTOROLA SOLUTIONS

MS ISO/IEC 17025
TESTING
SAMM No.0826

DECLARATION OF COMPLIANCE: MPE ASSESSMENT Report Part 3 of 3

Motorola Solutions
EME Test Laboratory
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Date of Report: 9/28/2018
Report Revision: A

Responsible Engineer:	Saw Sun Hock (EME Engineer)
Report author:	Saw Sun Hock (EME Engineer)
Date(s) Tested:	2/17/2017-3/17/2017; 7/27/2018-9/26/2018
Manufacturer:	Futurecom Systems Group
Date submitted for test:	01/13/2017
DUT Description:	DVR UHF (380-512 MHz), Digital Vehicular Repeater Companion Mobile: APX8500 mobile All Bands (VHF, UHF, 7/800)
Test TX mode(s):	CW (for FM), 802.11 b/g/n (for WLAN 2.4GHz), 802.11 a/n/ac (for WLAN 5GHz)
Max. Power output:	**DVR:** 10W (100% duty cycle) **Companion Mobile:** 50% duty cycle, PTT with below maximum output power 120W (136-174 MHz), 120W (380-484 MHz), 48W (485-512 MHz), 30W (512-520 MHz), 36W (764-805 MHz), 42W (806-870 MHz); 63.1 mW (WLAN 2.4 GHz 802.11b), 25 mW (WLAN 2.4 GHz 802.11g/n) ; 31.6 mW (WLAN 5 GHz 802.11 a/n/ac)
TX Frequency Bands:	**DVR:** 380-512 MHz **Companion Mobile:** 136-174 MHz; 380-520 MHz; 764-805 MHz; 806-870 MHz; WLAN 2400-2483.5 MHz; WLAN 5180-5825 MHz
Signaling type:	FM, TDMA, 802.11b/g/n (WLAN 2.4 GHz); 802.11 a/n/ac (WLAN 5 GHz)
Model(s) Tested:	**DVR:** MOBEXCOM DVRS UHF (DQPMDVR4000P, DQPMDVR5000P, DQPMDVR6000P) **Companion Mobile**: M37TXS9PW1AN (HUW1001A)
Model(s) Certified:	MOBEXCOM DVRS UHF (DQPMDVR4000P, DQPMDVR5000P, DQPMDVR6000P)
Serial Number(s):	16102684; 16030465; 16102751 (DVR) , 681P3A0098 & 681P3A0116 (Companion Mobile)
Classification:	Occupational/Controlled Environment
FCC ID:	**DVR**: LO6-DVRSUHF 406.1-512 MHz **Companion Mobile**: AZ492FT7118 150.8-173.4 MHz, 406.1-512 MHz, 769-775 MHz, 799-824 MHz, 851-869 MHz, 2412-2462 MHz, 5180-5825 MHz

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 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc. EME Laboratory.
I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements.
This reporting format is consistent with the suggested guidelines of the TIA TSB-159 April 2006
The results and statements contained in this report pertain only to the device(s) evaluated herein.

Tiong Nguk Ing
Digitally signed by Tiong Nguk Ing
Date: 2018.11.03 01:20:13 +08'00'

Tiong Nguk Ing
Deputy Technical Manager (Approved Signatory)
Approval Date: 11/3/2018

Appendix I – MPE Measurement Results for DVR UHF

Table I.1

DVR UHF - 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	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	BS1	0.001	0.001	0.002	0.003	0.007	0.007	0.007	0.008	0.007	0.008	1.0	0.005	0.005	0.005
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	BS1	0.002	0.003	0.002	0.003	0.005	0.006	0.007	0.009	0.011	0.011	1.0	0.006	0.006	0.006
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	BS1	0.002	0.004	0.003	0.003	0.005	0.008	0.010	0.011	0.011	0.013	1.0	0.007	0.007	0.007
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	BS2	0.002	0.003	0.009	0.012	0.012	0.013	0.019	0.029	0.027	0.027	1.0	0.015	0.02	0.016
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	BS2	0.001	0.002	0.006	0.008	0.015	0.022	0.024	0.026	0.022	0.023	1.0	0.015	0.01	0.015
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	BS2	0.002	0.005	0.008	0.009	0.010	0.017	0.022	0.023	0.025	0.022	1.0	0.014	0.01	0.015
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	BS3	0.007	0.007	0.009	0.014	0.015	0.022	0.030	0.033	0.035	0.037	1.0	0.021	0.02	0.021
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	BS3	0.005	0.006	0.007	0.014	0.018	0.022	0.030	0.034	0.037	0.034	1.0	0.021	0.02	0.021
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	BS3	0.008	0.009	0.010	0.015	0.021	0.033	0.036	0.035	0.036	0.045	1.0	0.025	0.02	0.026
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	BS4	0.012	0.015	0.019	0.030	0.041	0.047	0.060	0.059	0.065	0.054	1.0	0.040	0.040	0.041
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	BS4	0.011	0.014	0.020	0.031	0.041	0.058	0.063	0.059	0.046	0.048	1.0	0.039	0.04	0.039
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	BS4	0.012	0.015	0.019	0.026	0.035	0.041	0.045	0.050	0.052	0.045	1.0	0.034	0.03	0.035

MPE calculations are defined in section 15.0.

Table I.1 (Continued)

DVR UHF - 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	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	BS5	0.022	0.022	0.022	0.023	0.026	0.033	0.050	0.060	0.051	0.041	1.0	0.035	0.03	0.036
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	BS5	0.014	0.016	0.017	0.017	0.021	0.023	0.033	0.033	0.039	0.046	1.0	0.026	0.03	0.026
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	BS5	0.016	0.014	0.014	0.014	0.017	0.025	0.027	0.032	0.029	0.036	1.0	0.022	0.02	0.023
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	BS1	0.002	0.004	0.004	0.006	0.008	0.011	0.012	0.016	0.014	0.016	1.0	0.009	0.01	0.010
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	BS1	0.001	0.003	0.003	0.004	0.007	0.01	0.012	0.011	0.011	0.01	1.0	0.007	0.01	0.007
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS1	0.002	0.002	0.002	0.002	0.004	0.007	0.008	0.01	0.006	0.009	1.0	0.005	0.01	0.005
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	BS2	0.002	0.005	0.006	0.006	0.009	0.013	0.018	0.021	0.022	0.023	1.0	0.013	0.01	0.013
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	BS2	0.002	0.003	0.005	0.005	0.01	0.015	0.021	0.022	0.024	0.027	1.0	0.013	0.01	0.014
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS2	0.002	0.003	0.003	0.004	0.009	0.015	0.019	0.018	0.02	0.027	1.0	0.012	0.01	0.012
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	BS3	0.009	0.01	0.014	0.022	0.027	0.035	0.037	0.039	0.04	0.038	1.0	0.027	0.03	0.028
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	BS3	0.009	0.009	0.013	0.018	0.024	0.032	0.033	0.033	0.044	0.038	1.0	0.025	0.03	0.026
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS3	0.007	0.007	0.012	0.017	0.022	0.035	0.045	0.047	0.04	0.028	1.0	0.026	0.03	0.027

MPE calculations are defined in section 15.0.

Table I.1 (Continued)

DVR UHF - 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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	BS4	0.014	0.017	0.023	0.031	0.04	0.047	0.053	0.073	0.078	0.061	1.0	0.044	0.045	0.045
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	BS4	0.01	0.013	0.015	0.021	0.025	0.035	0.05	0.062	0.062	0.057	1.0	0.035	0.04	0.036
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS4	0.013	0.015	0.02	0.027	0.027	0.036	0.047	0.064	0.059	0.059	1.0	0.037	0.04	0.038
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	BS5	0.015	0.012	0.012	0.018	0.028	0.038	0.033	0.039	0.041	0.032	1.0	0.027	0.03	0.027
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	BS5	0.01	0.009	0.009	0.016	0.024	0.04	0.041	0.039	0.037	0.031	1.0	0.026	0.03	0.027
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS5	0.009	0.009	0.012	0.02	0.036	0.041	0.044	0.045	0.03	0.029	1.0	0.028	0.03	0.029
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS1	0.001	0.002	0.001	0.002	0.004	0.006	0.008	0.011	0.009	0.011	1.0	0.006	0.01	0.006
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	BS1	0.002	0.002	0.001	0.003	0.005	0.006	0.008	0.009	0.009	0.011	1.0	0.006	0.01	0.006
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	BS1	0.002	0.002	0.002	0.002	0.003	0.003	0.006	0.007	0.01	0.011	1.0	0.005	0.01	0.005
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	BS1	0.004	0.004	0.004	0.005	0.004	0.005	0.007	0.008	0.009	0.015	1.0	0.007	0.01	0.007

MPE calculations are defined in section 15.0.

Table I.1 (Continued)

DVR UHF - 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	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS2	0.002	0.003	0.003	0.004	0.007	0.01	0.014	0.017	0.019	0.024	1.0	0.010	0.01	0.011
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	BS2	0.004	0.005	0.005	0.007	0.009	0.015	0.017	0.018	0.022	0.033	1.0	0.014	0.01	0.015
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	BS2	0.003	0.003	0.006	0.01	0.012	0.014	0.019	0.027	0.034	0.035	1.0	0.016	0.02	0.018
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	BS2	0.004	0.006	0.009	0.014	0.019	0.024	0.034	0.039	0.04	0.036	1.0	0.023	0.02	0.024
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS3	0.007	0.007	0.012	0.016	0.025	0.033	0.041	0.044	0.039	0.029	1.0	0.025	0.03	0.026
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	BS3	0.007	0.008	0.012	0.019	0.029	0.029	0.033	0.042	0.042	0.036	1.0	0.026	0.03	0.028
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	BS3	0.007	0.007	0.011	0.015	0.021	0.028	0.037	0.037	0.041	0.027	1.0	0.023	0.02	0.025
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	BS3	0.01	0.01	0.011	0.015	0.023	0.028	0.031	0.031	0.035	0.034	1.0	0.023	0.02	0.025
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS4	0.011	0.013	0.017	0.024	0.027	0.036	0.042	0.056	0.054	0.049	1.0	0.033	0.03	0.034
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	BS4	0.014	0.014	0.015	0.02	0.028	0.04	0.054	0.056	0.055	0.05	1.0	0.035	0.04	0.038
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	BS4	0.015	0.013	0.017	0.019	0.024	0.033	0.051	0.061	0.054	0.043	1.0	0.033	0.03	0.036
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	BS4	0.013	0.01	0.015	0.02	0.028	0.044	0.05	0.056	0.053	0.045	1.0	0.033	0.04	0.036

MPE calculations are defined in section 15.0.

Table I.1 (Continued)

DVR UHF - 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	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	BS5	0.009	0.009	0.013	0.022	0.031	0.047	0.049	0.054	0.036	0.033	1.0	0.030	0.03	0.032
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	BS5	0.011	0.01	0.017	0.025	0.03	0.04	0.053	0.046	0.059	0.04	1.0	0.033	0.03	0.036
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	BS5	0.011	0.009	0.013	0.013	0.027	0.037	0.043	0.056	0.052	0.037	1.0	0.030	0.03	0.032
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	BS5	0.009	0.009	0.012	0.016	0.025	0.028	0.04	0.049	0.045	0.039	1.0	0.027	0.03	0.030

MPE calculations are defined in section 15.0.

Table I.2

DVR 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)
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	PB	0.059	0.154	0.092	1.0	0.102	0.10	0.104
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	PB	0.081	0.096	0.098	1.0	0.092	0.09	0.092
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	PB	0.081	0.036	0.069	1.0	0.062	0.06	0.065
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	PF	0.051	0.062	0.015	1.0	0.043	0.04	0.044
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	PF	0.031	0.047	0.007	1.0	0.028	0.03	0.028
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	PF	0.033	0.045	0.023	1.0	0.034	0.03	0.035
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	PB	0.177	0.094	0.178	1.0	0.150	0.15	0.153
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	PB	0.187	0.138	0.144	1.0	0.156	0.161	0.163
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	PB	0.157	0.097	0.094	1.0	0.116	0.12	0.121

MPE calculations are defined in section 15.0.

Table I.2 (Continued)

DVR 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)
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	PF	0.036	0.037	0.037	1.0	0.037	0.04	0.038
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	PF	0.042	0.043	0.039	1.0	0.041	0.04	0.043
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	PF	0.03	0.046	0.037	1.0	0.038	0.04	0.039
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	PB	0.175	0.098	0.118	1.0	0.130	0.14	0.136
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	PB	0.219	0.075	0.14	1.0	0.145	0.15	0.158
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	PB	0.126	0.076	0.062	1.0	0.088	0.09	0.095
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	PB	0.127	0.16	0.11	1.0	0.132	0.14	0.144
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	PF	0.021	0.029	0.038	1.0	0.029	0.03	0.031
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	484.0000	10.00	9.61	CW	E	1.05	PF	0.023	0.034	0.020	1.0	0.026	0.03	0.028
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	498.0000	10.00	9.83	CW	E	1.06	PF	0.031	0.033	0.028	1.0	0.031	0.03	0.033
Trunk	HAE4004A, 1/4 Wave (470-512MHz)	2.15	512.0000	10.00	9.75	CW	E	1.06	PF	0.022	0.025	0.055	1.0	0.034	0.04	0.037

MPE calculations are defined in section 15.0.

Appendix J – MPE Measurement Results for LMR VHF

Table J.1

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS1	0.146	0.158	0.187	0.178	0.154	0.148	0.161	0.140	0.144	0.163	0.5	0.155	0.077	0.087
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS1	0.171	0.258	0.285	0.252	0.196	0.195	0.213	0.229	0.220	0.191	0.5	0.217	0.108	0.110
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS1	0.196	0.245	0.230	0.183	0.142	0.139	0.143	0.133	0.118	0.103	0.5	0.160	0.080	0.082
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS1	0.211	0.255	0.239	0.185	0.152	0.155	0.164	0.162	0.143	0.125	0.5	0.176	0.088	0.091
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS1	0.167	0.196	0.168	0.117	0.092	0.099	0.113	0.118	0.127	0.143	0.5	0.130	0.065	0.066
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS1	0.089	0.100	0.081	0.054	0.050	0.062	0.078	0.094	0.113	0.146	0.5	0.084	0.042	0.042
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS2	0.069	0.133	0.144	0.155	0.144	0.139	0.143	0.152	0.151	0.137	0.5	0.134	0.067	0.075
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS2	0.173	0.261	0.318	0.332	0.316	0.312	0.316	0.320	0.304	0.272	0.5	0.287	0.143	0.146
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS2	0.166	0.247	0.288	0.285	0.262	0.243	0.250	0.244	0.234	0.215	0.5	0.239	0.119	0.122
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS2	0.172	0.263	0.297	0.284	0.257	0.254	0.257	0.250	0.228	0.197	0.5	0.241	0.120	0.125
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS2	0.136	0.199	0.213	0.194	0.179	0.178	0.186	0.175	0.161	0.147	0.5	0.171	0.086	0.086
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS2	0.095	0.137	0.154	0.148	0.148	0.175	0.189	0.187	0.176	0.158	0.5	0.152	0.076	0.077

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS3	0.050	0.084	0.114	0.130	0.128	0.121	0.117	0.116	0.115	0.112	0.5	0.107	0.053	0.060
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS3	0.083	0.123	0.157	0.164	0.162	0.155	0.156	0.165	0.168	0.162	0.5	0.147	0.073	0.074
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS3	0.084	0.127	0.156	0.163	0.161	0.156	0.156	0.159	0.152	0.135	0.5	0.142	0.071	0.073
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS3	0.125	0.166	0.196	0.203	0.209	0.214	0.224	0.229	0.215	0.198	0.5	0.194	0.097	0.100
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS3	0.084	0.106	0.121	0.128	0.134	0.140	0.145	0.141	0.132	0.124	0.5	0.122	0.061	0.061
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS3	0.077	0.111	0.142	0.160	0.173	0.176	0.178	0.175	0.168	0.162	0.5	0.148	0.074	0.074
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS4	0.026	0.044	0.059	0.068	0.065	0.064	0.060	0.056	0.054	0.051	0.5	0.054	0.027	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS4	0.037	0.059	0.074	0.082	0.081	0.080	0.079	0.080	0.081	0.084	0.5	0.072	0.036	0.037
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS4	0.059	0.091	0.120	0.132	0.130	0.127	0.121	0.117	0.107	0.093	0.5	0.108	0.054	0.055
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS4	0.060	0.089	0.113	0.128	0.131	0.127	0.133	0.135	0.133	0.128	0.5	0.115	0.058	0.060
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS4	0.061	0.093	0.117	0.123	0.119	0.113	0.107	0.098	0.091	0.079	0.5	0.097	0.049	0.049
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS4	0.071	0.103	0.121	0.127	0.115	0.108	0.096	0.086	0.075	0.067	0.5	0.094	0.047	0.047

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS5	0.023	0.038	0.046	0.047	0.042	0.038	0.035	0.036	0.039	0.040	0.5	0.038	0.019	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS5	0.024	0.038	0.044	0.042	0.038	0.039	0.043	0.050	0.058	0.064	0.5	0.043	0.022	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS5	0.050	0.070	0.076	0.069	0.063	0.058	0.063	0.066	0.071	0.070	0.5	0.064	0.032	0.033
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS5	0.049	0.070	0.079	0.077	0.075	0.076	0.085	0.092	0.098	0.100	0.5	0.078	0.039	0.041
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS5	0.063	0.085	0.099	0.097	0.110	0.112	0.114	0.108	0.094	0.079	0.5	0.093	0.047	0.047
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS5	0.048	0.061	0.063	0.058	0.056	0.057	0.060	0.058	0.054	0.043	0.5	0.054	0.027	0.027
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS1	0.035	0.062	0.069	0.059	0.039	0.052	0.102	0.173	0.242	0.294	0.5	0.110	0.055	0.062
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	E	0.98	BS1	0.039	0.066	0.065	0.047	0.041	0.068	0.129	0.198	0.255	0.286	0.5	0.117	0.059	0.059
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS1	0.056	0.087	0.084	0.058	0.049	0.076	0.138	0.212	0.273	0.315	0.5	0.132	0.066	0.068
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS1	0.085	0.115	0.105	0.067	0.049	0.078	0.140	0.203	0.254	0.297	0.5	0.137	0.068	0.071
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS1	0.059	0.065	0.047	0.025	0.036	0.084	0.146	0.202	0.256	0.301	0.5	0.118	0.059	0.060
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS1	0.080	0.098	0.074	0.052	0.062	0.110	0.179	0.246	0.305	0.360	0.5	0.152	0.076	0.077

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS2	0.034	0.063	0.078	0.073	0.061	0.059	0.076	0.112	0.150	0.173	0.5	0.086	0.043	0.048
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	E	0.98	BS2	0.039	0.071	0.089	0.087	0.082	0.088	0.110	0.149	0.175	0.207	0.5	0.108	0.054	0.055
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS2	0.063	0.095	0.111	0.100	0.088	0.095	0.115	0.141	0.170	0.201	0.5	0.116	0.058	0.059
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS2	0.074	0.115	0.126	0.106	0.087	0.094	0.119	0.151	0.178	0.206	0.5	0.123	0.062	0.064
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS2	0.055	0.083	0.082	0.067	0.060	0.073	0.100	0.121	0.141	0.165	0.5	0.092	0.046	0.046
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS2	0.063	0.087	0.089	0.082	0.096	0.133	0.176	0.209	0.237	0.255	0.5	0.138	0.069	0.070
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS3	0.030	0.050	0.063	0.065	0.057	0.051	0.051	0.059	0.073	0.087	0.5	0.057	0.029	0.032
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	E	0.98	BS3	0.036	0.059	0.071	0.070	0.063	0.061	0.067	0.084	0.100	0.110	0.5	0.071	0.035	0.036
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS3	0.035	0.049	0.053	0.049	0.043	0.048	0.058	0.071	0.084	0.095	0.5	0.057	0.029	0.029
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS3	0.042	0.052	0.060	0.064	0.074	0.090	0.115	0.127	0.135	0.138	0.5	0.088	0.044	0.045
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS3	0.051	0.065	0.070	0.066	0.062	0.066	0.072	0.076	0.078	0.084	0.5	0.067	0.033	0.034
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS3	0.044	0.059	0.073	0.109	0.111	0.135	0.151	0.165	0.170	0.179	0.5	0.116	0.058	0.058

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS4	0.019	0.028	0.035	0.037	0.034	0.033	0.033	0.034	0.035	0.038	0.5	0.032	0.016	0.018
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	E	0.98	BS4	0.030	0.045	0.054	0.059	0.059	0.059	0.062	0.063	0.065	0.063	0.5	0.055	0.027	0.028
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS4	0.017	0.025	0.031	0.032	0.031	0.031	0.028	0.031	0.031	0.030	0.5	0.028	0.014	0.014
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS4	0.047	0.065	0.080	0.088	0.092	0.094	0.096	0.095	0.093	0.090	0.5	0.082	0.041	0.043
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS4	0.030	0.041	0.047	0.047	0.041	0.037	0.033	0.031	0.030	0.031	0.5	0.036	0.018	0.018
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS4	0.048	0.070	0.081	0.083	0.081	0.077	0.075	0.069	0.067	0.070	0.5	0.070	0.035	0.035
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS5	0.015	0.020	0.020	0.018	0.015	0.015	0.021	0.030	0.039	0.047	0.5	0.024	0.012	0.013
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	E	0.98	BS5	0.021	0.030	0.032	0.030	0.029	0.034	0.044	0.050	0.057	0.060	0.5	0.038	0.019	0.019
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS5	0.012	0.015	0.014	0.013	0.014	0.017	0.022	0.027	0.030	0.029	0.5	0.019	0.009	0.010
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS5	0.042	0.055	0.057	0.052	0.049	0.052	0.060	0.067	0.072	0.073	0.5	0.057	0.028	0.029
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS5	0.027	0.031	0.031	0.030	0.030	0.034	0.038	0.038	0.038	0.035	0.5	0.032	0.016	0.016
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS5	0.041	0.052	0.051	0.052	0.053	0.057	0.061	0.066	0.069	0.068	0.5	0.055	0.028	0.028

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS1	0.037	0.065	0.080	0.079	0.075	0.087	0.123	0.184	0.240	0.233	0.5	0.118	0.059	0.066
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	E	0.98	BS1	0.048	0.075	0.088	0.101	0.147	0.167	0.161	0.235	0.241	0.258	0.5	0.149	0.075	0.075
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS1	0.080	0.124	0.135	0.119	0.106	0.124	0.177	0.243	0.298	0.237	0.5	0.161	0.081	0.083
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS1	0.111	0.157	0.153	0.113	0.094	0.111	0.155	0.199	0.226	0.256	0.5	0.154	0.077	0.080
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS1	0.103	0.124	0.115	0.085	0.078	0.104	0.150	0.193	0.229	0.239	0.5	0.138	0.069	0.069
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS1	0.085	0.100	0.084	0.057	0.055	0.082	0.121	0.164	0.208	0.253	0.5	0.117	0.059	0.059
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS2	0.033	0.058	0.076	0.083	0.084	0.096	0.122	0.156	0.188	0.212	0.5	0.109	0.054	0.061
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	E	0.98	BS2	0.050	0.088	0.119	0.144	0.158	0.176	0.161	0.232	0.256	0.270	0.5	0.162	0.081	0.082
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS2	0.083	0.122	0.144	0.150	0.152	0.155	0.176	0.193	0.207	0.226	0.5	0.158	0.079	0.081
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS2	0.102	0.154	0.177	0.171	0.153	0.155	0.167	0.186	0.184	0.181	0.5	0.160	0.080	0.083
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS2	0.082	0.125	0.141	0.134	0.126	0.124	0.147	0.156	0.163	0.182	0.5	0.134	0.067	0.067
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS2	0.073	0.107	0.123	0.124	0.130	0.152	0.173	0.198	0.210	0.223	0.5	0.147	0.073	0.074

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS3	0.032	0.047	0.061	0.070	0.074	0.081	0.093	0.104	0.119	0.128	0.5	0.079	0.040	0.044
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	E	0.98	BS3	0.050	0.080	0.101	0.111	0.111	0.119	0.130	0.146	0.159	0.168	0.5	0.115	0.058	0.058
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS3	0.039	0.056	0.065	0.068	0.072	0.081	0.094	0.107	0.118	0.121	0.5	0.080	0.040	0.041
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS3	0.069	0.088	0.101	0.119	0.129	0.149	0.172	0.185	0.186	0.182	0.5	0.135	0.068	0.070
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS3	0.067	0.082	0.092	0.096	0.103	0.115	0.125	0.130	0.129	0.128	0.5	0.103	0.052	0.052
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS3	0.055	0.079	0.102	0.124	0.143	0.165	0.177	0.183	0.188	0.186	0.5	0.136	0.068	0.069
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS4	0.018	0.030	0.039	0.045	0.049	0.050	0.052	0.059	0.060	0.062	0.5	0.045	0.023	0.025
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	E	0.98	BS4	0.038	0.056	0.074	0.082	0.085	0.088	0.089	0.089	0.089	0.084	0.5	0.076	0.038	0.038
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS4	0.031	0.046	0.058	0.060	0.061	0.061	0.058	0.061	0.061	0.058	0.5	0.054	0.027	0.028
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS4	0.058	0.082	0.102	0.116	0.126	0.130	0.137	0.132	0.126	0.118	0.5	0.110	0.055	0.057
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS4	0.049	0.069	0.085	0.092	0.089	0.085	0.081	0.076	0.069	0.058	0.5	0.073	0.037	0.037
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS4	0.072	0.104	0.125	0.131	0.128	0.119	0.109	0.100	0.091	0.083	0.5	0.103	0.052	0.052

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	107	CW	E	0.98	BS5	0.021	0.032	0.037	0.036	0.032	0.033	0.036	0.044	0.053	0.062	0.5	0.038	0.019	0.021
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	E	0.98	BS5	0.024	0.036	0.040	0.038	0.036	0.039	0.049	0.059	0.067	0.073	0.5	0.045	0.023	0.023
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	E	0.98	BS5	0.027	0.031	0.032	0.028	0.027	0.030	0.037	0.043	0.047	0.048	0.5	0.034	0.017	0.018
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	E	0.98	BS5	0.047	0.065	0.069	0.067	0.063	0.064	0.070	0.080	0.086	0.090	0.5	0.069	0.034	0.036
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	E	0.97	BS5	0.049	0.062	0.064	0.073	0.077	0.082	0.083	0.078	0.074	0.061	0.5	0.068	0.034	0.034
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	E	0.97	BS5	0.048	0.062	0.063	0.061	0.060	0.065	0.068	0.068	0.063	0.054	0.5	0.059	0.030	0.030
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS1	0.117	0.178	0.212	0.206	0.193	0.189	0.201	0.215	0.216	0.206	0.5	0.189	0.095	0.106
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS1	0.180	0.262	0.289	0.260	0.220	0.206	0.221	0.228	0.215	0.160	0.5	0.220	0.110	0.111
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS1	0.182	0.231	0.212	0.168	0.128	0.130	0.132	0.122	0.110	0.095	0.5	0.148	0.074	0.076
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS1	0.208	0.269	0.263	0.209	0.163	0.162	0.166	0.160	0.132	0.117	0.5	0.181	0.091	0.094
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS1	0.152	0.184	0.164	0.113	0.087	0.089	0.099	0.102	0.089	0.086	0.5	0.114	0.057	0.058

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-162MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS2	0.070	0.111	0.146	0.150	0.142	0.141	0.148	0.159	0.158	0.144	0.5	0.134	0.067	0.075
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS2	0.147	0.246	0.310	0.327	0.316	0.307	0.306	0.304	0.293	0.262	0.5	0.276	0.138	0.139
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS2	0.152	0.240	0.283	0.280	0.260	0.247	0.252	0.246	0.234	0.217	0.5	0.236	0.118	0.121
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS2	0.169	0.265	0.303	0.284	0.252	0.240	0.236	0.225	0.200	0.168	0.5	0.230	0.115	0.119
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS2	0.133	0.198	0.226	0.218	0.198	0.204	0.205	0.198	0.181	0.164	0.5	0.189	0.094	0.096
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS3	0.054	0.091	0.122	0.137	0.137	0.131	0.127	0.127	0.127	0.124	0.5	0.115	0.058	0.065
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS3	0.092	0.145	0.190	0.201	0.178	0.188	0.183	0.191	0.166	0.183	0.5	0.168	0.084	0.085
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS3	0.089	0.133	0.149	0.172	0.169	0.162	0.162	0.153	0.157	0.143	0.5	0.146	0.073	0.075
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS3	0.119	0.157	0.185	0.193	0.194	0.219	0.221	0.221	0.209	0.187	0.5	0.187	0.093	0.097
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS3	0.100	0.131	0.154	0.159	0.159	0.161	0.162	0.165	0.150	0.136	0.5	0.145	0.072	0.074

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-162MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS4	0.023	0.049	0.065	0.074	0.074	0.074	0.071	0.067	0.065	0.061	0.5	0.061	0.031	0.034
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS4	0.047	0.075	0.097	0.107	0.108	0.108	0.101	0.105	0.103	0.107	0.5	0.094	0.047	0.047
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS4	0.067	0.104	0.130	0.142	0.144	0.136	0.126	0.122	0.113	0.101	0.5	0.116	0.058	0.060
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS4	0.061	0.094	0.121	0.137	0.147	0.148	0.152	0.151	0.144	0.137	0.5	0.127	0.063	0.065
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS4	0.050	0.078	0.093	0.101	0.093	0.093	0.092	0.089	0.084	0.076	0.5	0.083	0.042	0.042
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS5	0.023	0.038	0.046	0.047	0.043	0.037	0.035	0.035	0.037	0.039	0.5	0.037	0.019	0.021
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS5	0.030	0.051	0.061	0.058	0.050	0.046	0.049	0.053	0.061	0.067	0.5	0.052	0.026	0.026
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS5	0.046	0.067	0.072	0.064	0.057	0.055	0.061	0.066	0.068	0.067	0.5	0.061	0.031	0.031
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS5	0.054	0.078	0.087	0.087	0.080	0.078	0.088	0.099	0.104	0.111	0.5	0.085	0.042	0.044
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS5	0.047	0.059	0.067	0.069	0.067	0.066	0.072	0.070	0.060	0.051	0.5	0.062	0.031	0.031

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (146-174MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS1	0.139	0.200	0.216	0.187	0.152	0.141	0.154	0.152	0.135	0.114	0.5	0.156	0.078	0.079
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS1	0.145	0.198	0.206	0.177	0.147	0.148	0.158	0.157	0.141	0.119	0.5	0.156	0.078	0.080
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS1	0.208	0.257	0.240	0.186	0.148	0.140	0.148	0.133	0.106	0.087	0.5	0.162	0.081	0.084
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS1	0.173	0.215	0.187	0.123	0.089	0.093	0.111	0.132	0.141	0.165	0.5	0.139	0.069	0.070
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS1	0.098	0.103	0.082	0.061	0.064	0.085	0.104	0.117	0.136	0.171	0.5	0.099	0.050	0.050
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS2	0.098	0.154	0.189	0.190	0.184	0.180	0.181	0.182	0.171	0.152	0.5	0.165	0.082	0.084
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS2	0.098	0.152	0.185	0.179	0.164	0.152	0.153	0.155	0.145	0.131	0.5	0.148	0.074	0.076
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS2	0.154	0.236	0.269	0.258	0.234	0.236	0.242	0.233	0.211	0.184	0.5	0.221	0.111	0.114
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS2	0.164	0.236	0.254	0.234	0.218	0.223	0.226	0.221	0.206	0.189	0.5	0.211	0.105	0.106
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS2	0.133	0.184	0.194	0.168	0.177	0.193	0.211	0.208	0.158	0.166	0.5	0.174	0.087	0.088

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (146-174MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS3	0.057	0.083	0.103	0.106	0.102	0.099	0.096	0.104	0.105	0.105	0.5	0.094	0.047	0.048
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS3	0.064	0.097	0.118	0.125	0.125	0.123	0.122	0.121	0.115	0.101	0.5	0.109	0.054	0.056
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS3	0.125	0.166	0.198	0.205	0.207	0.218	0.229	0.237	0.222	0.193	0.5	0.196	0.098	0.101
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS3	0.093	0.122	0.145	0.150	0.153	0.156	0.168	0.155	0.142	0.129	0.5	0.137	0.069	0.069
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS3	0.100	0.146	0.188	0.209	0.220	0.227	0.221	0.215	0.199	0.186	0.5	0.185	0.093	0.093
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS4	0.025	0.044	0.050	0.054	0.054	0.052	0.051	0.052	0.054	0.052	0.5	0.048	0.024	0.024
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS4	0.044	0.066	0.084	0.090	0.093	0.088	0.083	0.078	0.070	0.063	0.5	0.074	0.037	0.038
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS4	0.064	0.097	0.126	0.139	0.144	0.143	0.143	0.141	0.138	0.124	0.5	0.123	0.062	0.064
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS4	0.075	0.111	0.140	0.150	0.148	0.134	0.139	0.129	0.118	0.100	0.5	0.121	0.060	0.061
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS4	0.090	0.133	0.160	0.167	0.160	0.143	0.128	0.114	0.100	0.090	0.5	0.125	0.062	0.063

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (146-174MHz)	2.15	146.0000	120.0	118	CW	E	0.98	BS5	0.016	0.025	0.030	0.029	0.027	0.026	0.029	0.033	0.037	0.039	0.5	0.029	0.014	0.015
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS5	0.034	0.050	0.052	0.049	0.039	0.037	0.038	0.041	0.042	0.041	0.5	0.041	0.021	0.021
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS5	0.043	0.058	0.065	0.066	0.064	0.063	0.066	0.072	0.077	0.081	0.5	0.064	0.032	0.033
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS5	0.066	0.085	0.096	0.095	0.099	0.103	0.105	0.100	0.088	0.078	0.5	0.089	0.044	0.045
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS5	0.053	0.070	0.072	0.063	0.058	0.057	0.061	0.056	0.051	0.047	0.5	0.057	0.029	0.029
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS1	0.123	0.176	0.204	0.198	0.180	0.173	0.185	0.199	0.201	0.183	0.5	0.179	0.089	0.100
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS1	0.159	0.230	0.239	0.208	0.169	0.164	0.177	0.184	0.172	0.144	0.5	0.181	0.090	0.091
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS1	0.198	0.272	0.279	0.245	0.208	0.205	0.220	0.221	0.207	0.180	0.5	0.219	0.110	0.112
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS1	0.181	0.227	0.214	0.168	0.132	0.140	0.135	0.123	0.103	0.084	0.5	0.148	0.074	0.076
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS1	0.135	0.172	0.148	0.103	0.081	0.077	0.091	0.102	0.111	0.131	0.5	0.112	0.056	0.056
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS1	0.073	0.080	0.064	0.047	0.050	0.065	0.080	0.092	0.107	0.134	0.5	0.077	0.038	0.039

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	136.0000	120.0	107	CW	E	0.98	BS2	0.063	0.102	0.127	0.132	0.128	0.127	0.132	0.138	0.136	0.127	0.5	0.119	0.059	0.067
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS2	0.131	0.218	0.273	0.282	0.260	0.253	0.254	0.250	0.236	0.211	0.5	0.232	0.116	0.117
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS2	0.156	0.230	0.268	0.264	0.245	0.235	0.240	0.236	0.224	0.202	0.5	0.225	0.113	0.116
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS2	0.135	0.207	0.239	0.227	0.207	0.208	0.209	0.204	0.187	0.163	0.5	0.195	0.097	0.101
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS2	0.129	0.149	0.199	0.187	0.174	0.173	0.178	0.175	0.159	0.151	0.5	0.162	0.081	0.082
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS2	0.097	0.137	0.143	0.132	0.131	0.144	0.156	0.157	0.145	0.126	0.5	0.133	0.066	0.067
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS3	0.052	0.083	0.118	0.133	0.132	0.124	0.118	0.116	0.114	0.112	0.5	0.108	0.054	0.061
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS3	0.089	0.137	0.166	0.180	0.174	0.169	0.167	0.172	0.172	0.171	0.5	0.157	0.078	0.079
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS3	0.083	0.124	0.155	0.164	0.162	0.157	0.157	0.160	0.150	0.133	0.5	0.142	0.071	0.073
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS3	0.107	0.141	0.165	0.172	0.179	0.182	0.191	0.194	0.188	0.166	0.5	0.165	0.083	0.085
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS3	0.073	0.096	0.111	0.116	0.119	0.123	0.125	0.121	0.114	0.104	0.5	0.107	0.053	0.054
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS3	0.070	0.102	0.129	0.145	0.157	0.158	0.155	0.151	0.144	0.131	0.5	0.130	0.065	0.066

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	136.0000	120.0	107	CW	E	0.98	BS4	0.023	0.048	0.063	0.073	0.073	0.072	0.067	0.065	0.062	0.060	0.5	0.059	0.030	0.033
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS4	0.041	0.067	0.089	0.094	0.100	0.094	0.093	0.091	0.092	0.087	0.5	0.083	0.042	0.042
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS4	0.062	0.095	0.122	0.134	0.132	0.126	0.117	0.106	0.099	0.092	0.5	0.106	0.053	0.055
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS4	0.056	0.086	0.110	0.123	0.126	0.127	0.127	0.128	0.122	0.116	0.5	0.110	0.055	0.057
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS4	0.064	0.100	0.127	0.127	0.125	0.115	0.116	0.109	0.092	0.082	0.5	0.103	0.051	0.052
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS4	0.067	0.098	0.117	0.122	0.116	0.108	0.097	0.085	0.075	0.067	0.5	0.092	0.046	0.047
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS5	0.019	0.033	0.040	0.041	0.037	0.036	0.035	0.036	0.036	0.037	0.5	0.034	0.017	0.019
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS5	0.029	0.046	0.054	0.054	0.049	0.048	0.050	0.054	0.061	0.065	0.5	0.050	0.025	0.025
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS5	0.049	0.068	0.074	0.069	0.059	0.054	0.055	0.060	0.061	0.060	0.5	0.060	0.030	0.031
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	E	0.98	BS5	0.040	0.056	0.064	0.060	0.061	0.060	0.064	0.068	0.073	0.074	0.5	0.061	0.030	0.031
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS5	0.053	0.071	0.078	0.079	0.080	0.083	0.084	0.078	0.072	0.062	0.5	0.072	0.036	0.036
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS5	0.039	0.054	0.053	0.047	0.044	0.042	0.044	0.043	0.040	0.034	0.5	0.043	0.021	0.022

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-144MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS1	0.175	0.250	0.296	0.285	0.259	0.247	0.261	0.277	0.278	0.258	0.5	0.253	0.127	0.142
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	E	0.98	BS1	0.189	0.286	0.289	0.271	0.223	0.206	0.217	0.239	0.239	0.209	0.5	0.232	0.116	0.119
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS1	0.176	0.268	0.270	0.236	0.193	0.183	0.204	0.213	0.200	0.164	0.5	0.206	0.103	0.104
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS2	0.095	0.160	0.201	0.212	0.202	0.204	0.210	0.220	0.218	0.200	0.5	0.188	0.094	0.106
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	E	0.98	BS2	0.115	0.201	0.258	0.271	0.261	0.247	0.245	0.237	0.223	0.197	0.5	0.221	0.110	0.113
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS2	0.152	0.248	0.311	0.322	0.310	0.298	0.294	0.291	0.273	0.244	0.5	0.269	0.134	0.136
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS3	0.073	0.123	0.168	0.189	0.170	0.174	0.164	0.166	0.165	0.161	0.5	0.152	0.076	0.085
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	E	0.98	BS3	0.093	0.160	0.209	0.230	0.221	0.208	0.200	0.192	0.183	0.166	0.5	0.182	0.091	0.094
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS3	0.101	0.154	0.197	0.208	0.200	0.188	0.179	0.194	0.164	0.193	0.5	0.174	0.087	0.088
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS4	0.036	0.061	0.081	0.091	0.092	0.089	0.080	0.074	0.071	0.067	0.5	0.073	0.036	0.041
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	E	0.98	BS4	0.053	0.083	0.106	0.117	0.122	0.121	0.119	0.118	0.122	0.120	0.5	0.106	0.053	0.054
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS4	0.044	0.074	0.096	0.107	0.106	0.102	0.096	0.096	0.094	0.093	0.5	0.089	0.044	0.045

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-144MHz)	2.15	136.0000	120.0	107	CW	E	0.98	BS5	0.026	0.044	0.055	0.057	0.052	0.048	0.050	0.048	0.050	0.053	0.5	0.047	0.024	0.027
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	E	0.98	BS5	0.044	0.072	0.086	0.084	0.076	0.073	0.074	0.077	0.082	0.085	0.5	0.074	0.037	0.038
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS5	0.032	0.053	0.065	0.063	0.057	0.054	0.057	0.064	0.072	0.075	0.5	0.058	0.029	0.029
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS1	0.171	0.244	0.266	0.234	0.192	0.182	0.197	0.207	0.192	0.156	0.5	0.200	0.100	0.101
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS1	0.199	0.280	0.298	0.257	0.218	0.216	0.233	0.236	0.221	0.198	0.5	0.231	0.115	0.118
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS2	0.148	0.237	0.300	0.314	0.298	0.287	0.286	0.280	0.263	0.240	0.5	0.260	0.130	0.131
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS2	0.155	0.234	0.280	0.276	0.259	0.254	0.252	0.247	0.237	0.218	0.5	0.236	0.118	0.121
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS3	0.105	0.154	0.167	0.203	0.187	0.194	0.195	0.196	0.197	0.169	0.5	0.173	0.087	0.087
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS3	0.099	0.149	0.181	0.192	0.190	0.185	0.179	0.186	0.176	0.157	0.5	0.166	0.083	0.085
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS4	0.043	0.069	0.099	0.100	0.099	0.096	0.092	0.091	0.091	0.091	0.5	0.085	0.043	0.043
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS4	0.068	0.106	0.138	0.153	0.156	0.148	0.140	0.135	0.125	0.114	0.5	0.126	0.063	0.064

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (144-150.8MHz)	2.15	144.0000	120.0	119	CW	E	0.98	BS5	0.031	0.051	0.061	0.061	0.054	0.053	0.057	0.063	0.069	0.075	0.5	0.056	0.028	0.028
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS5	0.054	0.077	0.087	0.073	0.065	0.062	0.061	0.065	0.068	0.067	0.5	0.067	0.033	0.034
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS1	0.156	0.216	0.226	0.196	0.163	0.164	0.176	0.179	0.166	0.149	0.5	0.176	0.088	0.090
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS1	0.192	0.250	0.243	0.193	0.154	0.156	0.162	0.148	0.124	0.105	0.5	0.169	0.085	0.088
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS1	0.177	0.214	0.195	0.144	0.117	0.123	0.131	0.132	0.118	0.110	0.5	0.143	0.072	0.073
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS2	0.120	0.188	0.220	0.218	0.197	0.187	0.188	0.183	0.175	0.153	0.5	0.179	0.090	0.092
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS2	0.172	0.267	0.309	0.296	0.262	0.253	0.252	0.236	0.208	0.172	0.5	0.238	0.119	0.123
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS2	0.187	0.278	0.305	0.279	0.258	0.260	0.269	0.268	0.252	0.228	0.5	0.253	0.127	0.129
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS3	0.074	0.111	0.139	0.146	0.140	0.137	0.136	0.134	0.127	0.115	0.5	0.123	0.062	0.063
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS3	0.130	0.177	0.206	0.219	0.217	0.231	0.240	0.242	0.191	0.210	0.5	0.202	0.101	0.105
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS3	0.121	0.170	0.196	0.206	0.204	0.201	0.202	0.196	0.183	0.168	0.5	0.181	0.091	0.092

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (150.8-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS4	0.053	0.082	0.106	0.118	0.119	0.114	0.106	0.100	0.092	0.083	0.5	0.095	0.048	0.049
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS4	0.067	0.100	0.128	0.144	0.148	0.148	0.149	0.145	0.142	0.132	0.5	0.128	0.064	0.066
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS4	0.071	0.110	0.136	0.141	0.136	0.133	0.130	0.119	0.111	0.105	0.5	0.117	0.058	0.059
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	E	0.98	BS5	0.040	0.061	0.066	0.056	0.049	0.047	0.049	0.051	0.052	0.051	0.5	0.051	0.026	0.026
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	E	0.98	BS5	0.058	0.082	0.096	0.090	0.085	0.084	0.092	0.100	0.106	0.111	0.5	0.089	0.044	0.046
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS5	0.071	0.091	0.103	0.104	0.106	0.109	0.108	0.104	0.092	0.079	0.5	0.095	0.047	0.048
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS1	0.156	0.197	0.177	0.124	0.102	0.108	0.119	0.116	0.106	0.099	0.5	0.128	0.064	0.065
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS1	0.163	0.206	0.187	0.132	0.098	0.104	0.121	0.132	0.146	0.166	0.5	0.141	0.071	0.071
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS1	0.097	0.105	0.085	0.064	0.065	0.072	0.085	0.094	0.110	0.148	0.5	0.090	0.045	0.045
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS2	0.163	0.234	0.258	0.239	0.228	0.235	0.242	0.241	0.222	0.187	0.5	0.220	0.110	0.112
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS2	0.172	0.244	0.260	0.241	0.226	0.230	0.236	0.230	0.212	0.192	0.5	0.218	0.109	0.110
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS2	0.149	0.169	0.222	0.209	0.207	0.216	0.236	0.226	0.203	0.181	0.5	0.196	0.098	0.099

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (162-174MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS3	0.107	0.148	0.174	0.183	0.178	0.179	0.179	0.176	0.164	0.150	0.5	0.161	0.080	0.082
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS3	0.089	0.117	0.138	0.144	0.145	0.148	0.153	0.147	0.135	0.125	0.5	0.130	0.065	0.066
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS3	0.099	0.143	0.190	0.208	0.211	0.219	0.218	0.210	0.196	0.185	0.5	0.182	0.091	0.092
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS4	0.064	0.095	0.119	0.123	0.123	0.117	0.111	0.105	0.095	0.086	0.5	0.102	0.051	0.052
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS4	0.081	0.120	0.151	0.163	0.153	0.146	0.135	0.124	0.113	0.097	0.5	0.124	0.062	0.063
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS4	0.098	0.141	0.171	0.172	0.160	0.145	0.129	0.113	0.100	0.089	0.5	0.128	0.064	0.064
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	E	0.98	BS5	0.061	0.081	0.091	0.092	0.091	0.094	0.096	0.090	0.080	0.069	0.5	0.083	0.041	0.042
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	E	0.97	BS5	0.069	0.096	0.108	0.111	0.117	0.120	0.120	0.116	0.104	0.084	0.5	0.101	0.051	0.051
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	E	0.97	BS5	0.058	0.072	0.074	0.064	0.058	0.056	0.058	0.055	0.051	0.046	0.5	0.057	0.029	0.029

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS1	0.087	0.082	0.077	0.080	0.087	0.098	0.106	0.107	0.103	0.093	0.5	0.228	0.114	0.128
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS1	0.109	0.104	0.097	0.095	0.106	0.115	0.119	0.115	0.104	0.091	0.5	0.291	0.146	0.148
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS1	0.110	0.104	0.095	0.098	0.110	0.119	0.121	0.116	0.106	0.096	0.5	0.295	0.147	0.151
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS1	0.112	0.103	0.091	0.093	0.104	0.107	0.105	0.093	0.085	0.075	0.5	0.229	0.114	0.118
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS1	0.100	0.092	0.083	0.084	0.092	0.093	0.089	0.082	0.083	0.087	0.5	0.185	0.092	0.093
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS1	0.075	0.064	0.060	0.069	0.078	0.082	0.083	0.084	0.089	0.095	0.5	0.138	0.069	0.070
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS2	0.075	0.073	0.072	0.074	0.082	0.091	0.098	0.096	0.095	0.088	0.5	0.192	0.096	0.108
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS2	0.097	0.094	0.088	0.091	0.100	0.112	0.120	0.114	0.113	0.108	0.5	0.282	0.141	0.143
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS2	0.095	0.092	0.085	0.091	0.103	0.114	0.119	0.115	0.110	0.102	0.5	0.270	0.135	0.138
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS2	0.104	0.099	0.095	0.101	0.114	0.124	0.130	0.124	0.118	0.105	0.5	0.303	0.151	0.157
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS2	0.094	0.087	0.081	0.091	0.102	0.109	0.108	0.101	0.097	0.087	0.5	0.217	0.109	0.110
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS2	0.087	0.088	0.091	0.101	0.113	0.118	0.119	0.108	0.106	0.099	0.5	0.240	0.120	0.121

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS3	0.066	0.070	0.071	0.072	0.074	0.076	0.079	0.080	0.082	0.078	0.5	0.149	0.075	0.084
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS3	0.080	0.084	0.085	0.087	0.090	0.094	0.095	0.097	0.096	0.092	0.5	0.211	0.106	0.107
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS3	0.081	0.082	0.084	0.086	0.088	0.093	0.097	0.095	0.090	0.083	0.5	0.197	0.098	0.101
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS3	0.087	0.088	0.087	0.093	0.100	0.106	0.110	0.108	0.104	0.097	0.5	0.233	0.117	0.121
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS3	0.078	0.081	0.082	0.083	0.087	0.092	0.093	0.088	0.084	0.078	0.5	0.169	0.084	0.085
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS3	0.081	0.086	0.086	0.088	0.090	0.093	0.095	0.093	0.088	0.085	0.5	0.175	0.088	0.088
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS4	0.054	0.056	0.046	0.053	0.058	0.059	0.063	0.064	0.062	0.060	0.5	0.089	0.044	0.050
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS4	0.070	0.072	0.068	0.070	0.069	0.074	0.075	0.077	0.075	0.076	0.5	0.137	0.069	0.070
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS4	0.075	0.074	0.073	0.075	0.079	0.084	0.083	0.082	0.080	0.075	0.5	0.155	0.077	0.079
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS4	0.071	0.075	0.071	0.074	0.081	0.084	0.088	0.087	0.084	0.085	0.5	0.155	0.078	0.080
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS4	0.083	0.082	0.083	0.087	0.089	0.091	0.092	0.090	0.085	0.079	0.5	0.175	0.087	0.088
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS4	0.090	0.090	0.089	0.090	0.092	0.093	0.095	0.090	0.082	0.080	0.5	0.178	0.089	0.090

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS5	0.042	0.047	0.043	0.045	0.052	0.062	0.060	0.050	0.053	0.049	0.5	0.068	0.034	0.038
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS5	0.050	0.049	0.052	0.053	0.064	0.067	0.066	0.063	0.062	0.061	0.5	0.091	0.045	0.046
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS5	0.060	0.057	0.058	0.063	0.061	0.081	0.079	0.081	0.075	0.074	0.5	0.123	0.061	0.063
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS5	0.060	0.061	0.062	0.069	0.078	0.072	0.081	0.084	0.081	0.082	0.5	0.131	0.065	0.068
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS5	0.066	0.067	0.062	0.068	0.079	0.086	0.085	0.082	0.075	0.076	0.5	0.132	0.066	0.067
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS5	0.056	0.058	0.059	0.060	0.070	0.077	0.071	0.072	0.061	0.052	0.5	0.092	0.046	0.046
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS1	0.061	0.054	0.045	0.051	0.034	0.057	0.054	0.051	0.063	0.074	0.5	0.081	0.041	0.046
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	H	0.83	BS1	0.057	0.054	0.047	0.040	0.054	0.047	0.063	0.068	0.080	0.095	0.5	0.102	0.051	0.052
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS1	0.062	0.050	0.044	0.055	0.061	0.067	0.070	0.072	0.084	0.100	0.5	0.118	0.059	0.061
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS1	0.077	0.071	0.050	0.069	0.072	0.074	0.073	0.077	0.091	0.108	0.5	0.145	0.072	0.075
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS1	0.063	0.057	0.051	0.056	0.061	0.064	0.067	0.076	0.093	0.109	0.5	0.121	0.061	0.061
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS1	0.076	0.064	0.056	0.066	0.075	0.083	0.090	0.102	0.119	0.137	0.5	0.182	0.091	0.092

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS2	0.044	0.046	0.039	0.045	0.055	0.056	0.060	0.058	0.067	0.071	0.5	0.080	0.040	0.045
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	H	0.83	BS2	0.056	0.054	0.050	0.051	0.060	0.062	0.065	0.064	0.068	0.075	0.5	0.097	0.048	0.049
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS2	0.059	0.055	0.045	0.040	0.041	0.068	0.068	0.069	0.074	0.081	0.5	0.096	0.048	0.049
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS2	0.069	0.065	0.060	0.065	0.074	0.080	0.083	0.079	0.088	0.091	0.5	0.140	0.070	0.072
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS2	0.064	0.062	0.056	0.061	0.067	0.071	0.069	0.066	0.075	0.083	0.5	0.108	0.054	0.055
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS2	0.065	0.066	0.067	0.078	0.090	0.096	0.097	0.094	0.105	0.109	0.5	0.174	0.087	0.088
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS3	0.049	0.052	0.041	0.046	0.051	0.052	0.055	0.056	0.057	0.058	0.5	0.072	0.036	0.040
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	H	0.83	BS3	0.054	0.055	0.053	0.055	0.058	0.061	0.062	0.063	0.062	0.063	0.5	0.090	0.045	0.046
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS3	0.055	0.056	0.053	0.054	0.057	0.060	0.063	0.060	0.059	0.060	0.5	0.085	0.042	0.043
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS3	0.056	0.057	0.054	0.055	0.063	0.067	0.070	0.068	0.069	0.070	0.5	0.096	0.048	0.050
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS3	0.062	0.061	0.056	0.057	0.061	0.062	0.061	0.057	0.059	0.058	0.5	0.083	0.042	0.042
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS3	0.066	0.068	0.069	0.072	0.077	0.078	0.080	0.081	0.078	0.079	0.5	0.126	0.063	0.063

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS4	0.053	0.049	0.046	0.046	0.052	0.054	0.058	0.050	0.051	0.052	0.5	0.070	0.035	0.039
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	H	0.83	BS4	0.062	0.059	0.058	0.059	0.063	0.066	0.072	0.069	0.066	0.063	0.5	0.106	0.053	0.054
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS4	0.055	0.051	0.047	0.048	0.053	0.059	0.060	0.056	0.052	0.050	0.5	0.072	0.036	0.037
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS4	0.062	0.055	0.056	0.059	0.065	0.072	0.076	0.073	0.069	0.066	0.5	0.104	0.052	0.054
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS4	0.061	0.058	0.050	0.058	0.066	0.069	0.071	0.067	0.061	0.060	0.5	0.092	0.046	0.046
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS4	0.077	0.079	0.076	0.077	0.082	0.084	0.083	0.079	0.075	0.070	0.5	0.137	0.069	0.069
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS5	0.042	0.047	0.043	0.044	0.058	0.057	0.051	0.049	0.048	0.050	0.5	0.064	0.032	0.036
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	118	CW	H	0.83	BS5	0.042	0.054	0.045	0.048	0.060	0.063	0.065	0.064	0.061	0.063	0.5	0.085	0.042	0.043
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS5	0.043	0.046	0.045	0.047	0.051	0.057	0.058	0.057	0.050	0.057	0.5	0.067	0.033	0.034
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS5	0.059	0.061	0.054	0.055	0.072	0.080	0.067	0.074	0.068	0.067	0.5	0.106	0.053	0.055
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS5	0.054	0.055	0.040	0.050	0.064	0.065	0.061	0.054	0.046	0.052	0.5	0.070	0.035	0.035
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS5	0.050	0.052	0.048	0.055	0.066	0.070	0.066	0.062	0.058	0.053	0.5	0.076	0.038	0.039

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS1	0.055	0.047	0.048	0.052	0.061	0.068	0.076	0.078	0.086	0.090	0.5	0.122	0.061	0.069
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	H	0.83	BS1	0.065	0.057	0.059	0.068	0.078	0.085	0.089	0.091	0.096	0.097	0.5	0.165	0.083	0.083
	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS1	0.070	0.065	0.062	0.068	0.080	0.088	0.093	0.095	0.101	0.118	0.5	0.186	0.093	0.096
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS1	0.087	0.081	0.076	0.078	0.087	0.090	0.088	0.085	0.092	0.108	0.5	0.185	0.093	0.096
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS1	0.085	0.077	0.074	0.076	0.083	0.087	0.088	0.089	0.099	0.112	0.5	0.181	0.090	0.091
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS1	0.076	0.065	0.058	0.068	0.078	0.084	0.088	0.093	0.106	0.119	0.5	0.163	0.081	0.082
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS2	0.048	0.047	0.048	0.054	0.066	0.073	0.082	0.083	0.089	0.090	0.5	0.130	0.065	0.073
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	H	0.83	BS2	0.060	0.059	0.060	0.070	0.077	0.082	0.090	0.089	0.099	0.100	0.5	0.166	0.083	0.084
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS2	0.064	0.062	0.057	0.065	0.076	0.085	0.091	0.090	0.093	0.096	0.5	0.159	0.079	0.081
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS2	0.081	0.077	0.072	0.079	0.090	0.101	0.108	0.103	0.102	0.101	0.5	0.205	0.103	0.106
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS2	0.076	0.073	0.069	0.077	0.085	0.093	0.096	0.091	0.096	0.094	0.5	0.172	0.086	0.087
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS2	0.075	0.076	0.080	0.092	0.105	0.111	0.112	0.105	0.110	0.108	0.5	0.217	0.108	0.109

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS3	0.047	0.049	0.050	0.051	0.055	0.061	0.067	0.072	0.073	0.074	0.5	0.098	0.049	0.055
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	H	0.83	BS3	0.059	0.063	0.064	0.066	0.072	0.075	0.080	0.081	0.082	0.081	0.5	0.138	0.069	0.069
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS3	0.064	0.061	0.060	0.061	0.067	0.073	0.077	0.075	0.076	0.075	0.5	0.121	0.061	0.062
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS3	0.066	0.067	0.068	0.071	0.080	0.086	0.091	0.090	0.087	0.085	0.5	0.153	0.077	0.079
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS3	0.070	0.071	0.072	0.073	0.078	0.081	0.083	0.080	0.078	0.075	0.5	0.137	0.068	0.069
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS3	0.071	0.077	0.078	0.080	0.084	0.087	0.088	0.086	0.085	0.084	0.5	0.151	0.075	0.076
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS4	0.054	0.052	0.046	0.053	0.054	0.056	0.062	0.059	0.060	0.059	0.5	0.082	0.041	0.046
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	H	0.83	BS4	0.063	0.064	0.065	0.066	0.070	0.072	0.080	0.079	0.078	0.077	0.5	0.133	0.067	0.067
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS4	0.062	0.055	0.056	0.057	0.059	0.064	0.067	0.065	0.064	0.060	0.5	0.094	0.047	0.048
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS4	0.064	0.060	0.061	0.065	0.071	0.074	0.082	0.081	0.079	0.077	0.5	0.125	0.062	0.064
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS4	0.075	0.069	0.074	0.071	0.078	0.082	0.087	0.085	0.080	0.077	0.5	0.143	0.072	0.072
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS4	0.082	0.087	0.083	0.089	0.087	0.086	0.089	0.084	0.079	0.076	0.5	0.159	0.079	0.080

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	107	CW	H	0.84	BS5	0.047	0.046	0.038	0.046	0.053	0.062	0.063	0.065	0.057	0.053	0.5	0.077	0.038	0.043
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	119	CW	H	0.83	BS5	0.049	0.051	0.049	0.053	0.057	0.069	0.074	0.069	0.070	0.067	0.5	0.098	0.049	0.050
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	117	CW	H	0.82	BS5	0.052	0.054	0.046	0.054	0.063	0.069	0.070	0.067	0.063	0.066	0.5	0.094	0.047	0.048
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	116	CW	H	0.80	BS5	0.056	0.062	0.051	0.063	0.069	0.077	0.079	0.076	0.073	0.072	0.5	0.113	0.056	0.058
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	119	CW	H	0.79	BS5	0.060	0.058	0.056	0.065	0.076	0.082	0.078	0.077	0.068	0.067	0.5	0.113	0.056	0.057
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	119	CW	H	0.77	BS5	0.059	0.058	0.050	0.061	0.073	0.077	0.075	0.070	0.065	0.066	0.5	0.097	0.049	0.049
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS1	0.090	0.085	0.081	0.084	0.091	0.100	0.105	0.103	0.100	0.091	0.5	0.232	0.116	0.130
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS1	0.103	0.095	0.090	0.093	0.105	0.116	0.122	0.118	0.109	0.096	0.5	0.288	0.144	0.145
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS1	0.113	0.106	0.099	0.101	0.113	0.122	0.124	0.117	0.108	0.097	0.5	0.309	0.154	0.158
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS1	0.116	0.106	0.096	0.098	0.106	0.110	0.106	0.094	0.084	0.078	0.5	0.247	0.124	0.128
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS1	0.097	0.087	0.080	0.084	0.094	0.097	0.092	0.083	0.081	0.079	0.5	0.185	0.093	0.094

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-162MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS2	0.078	0.079	0.075	0.078	0.088	0.096	0.103	0.099	0.096	0.090	0.5	0.209	0.105	0.117
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS2	0.092	0.091	0.089	0.092	0.099	0.107	0.113	0.111	0.110	0.104	0.5	0.266	0.133	0.134
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS2	0.096	0.092	0.090	0.096	0.106	0.117	0.122	0.116	0.115	0.103	0.5	0.284	0.142	0.146
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS2	0.104	0.098	0.092	0.098	0.108	0.119	0.122	0.115	0.109	0.098	0.5	0.282	0.141	0.146
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS2	0.092	0.088	0.085	0.091	0.101	0.108	0.109	0.102	0.098	0.091	0.5	0.226	0.113	0.115
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS3	0.068	0.072	0.073	0.074	0.075	0.078	0.079	0.081	0.084	0.082	0.5	0.157	0.078	0.088
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS3	0.084	0.088	0.090	0.091	0.093	0.096	0.099	0.100	0.101	0.095	0.5	0.229	0.114	0.115
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS3	0.081	0.085	0.086	0.087	0.091	0.095	0.098	0.095	0.092	0.087	0.5	0.205	0.102	0.105
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS3	0.086	0.089	0.090	0.092	0.098	0.103	0.106	0.104	0.101	0.093	0.5	0.230	0.115	0.119
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS3	0.083	0.084	0.085	0.087	0.090	0.093	0.094	0.092	0.088	0.081	0.5	0.186	0.093	0.095

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-162MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS4	0.061	0.057	0.058	0.062	0.066	0.072	0.070	0.064	0.061	0.058	0.5	0.106	0.053	0.059
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS4	0.074	0.071	0.072	0.076	0.077	0.078	0.080	0.082	0.083	0.084	0.5	0.157	0.079	0.079
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS4	0.072	0.074	0.072	0.073	0.078	0.080	0.085	0.083	0.078	0.075	0.5	0.151	0.075	0.077
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS4	0.072	0.077	0.071	0.073	0.080	0.081	0.087	0.088	0.087	0.085	0.5	0.160	0.080	0.083
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS4	0.071	0.070	0.069	0.070	0.072	0.074	0.082	0.079	0.075	0.072	0.5	0.130	0.065	0.066
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS5	0.047	0.043	0.040	0.044	0.050	0.053	0.058	0.057	0.055	0.054	0.5	0.068	0.034	0.038
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS5	0.052	0.049	0.044	0.045	0.056	0.065	0.063	0.064	0.065	0.066	0.5	0.086	0.043	0.043
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS5	0.058	0.063	0.056	0.059	0.069	0.078	0.077	0.081	0.073	0.070	0.5	0.120	0.060	0.062
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS5	0.065	0.068	0.063	0.068	0.077	0.084	0.084	0.087	0.085	0.084	0.5	0.147	0.073	0.076
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS5	0.061	0.065	0.056	0.061	0.072	0.078	0.077	0.076	0.069	0.068	0.5	0.114	0.057	0.058

Notes:

MPE calculations are defined in section 15.0
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Table J.1 (Continued)

VHF band - 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 (146-174MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS1	0.088	0.082	0.077	0.081	0.088	0.096	0.099	0.093	0.086	0.072	0.5	0.195	0.097	0.099
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS1	0.093	0.087	0.080	0.084	0.093	0.104	0.103	0.097	0.089	0.079	0.5	0.211	0.106	0.108
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS1	0.112	0.101	0.090	0.092	0.101	0.105	0.104	0.092	0.082	0.075	0.5	0.222	0.111	0.115
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS1	0.107	0.098	0.087	0.088	0.096	0.101	0.096	0.091	0.089	0.091	0.5	0.211	0.105	0.106
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS1	0.079	0.069	0.065	0.074	0.087	0.088	0.086	0.081	0.085	0.091	0.5	0.146	0.073	0.074
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS2	0.081	0.079	0.076	0.078	0.085	0.094	0.097	0.092	0.093	0.083	0.5	0.193	0.096	0.098
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS2	0.082	0.080	0.075	0.082	0.089	0.096	0.099	0.093	0.089	0.083	0.5	0.192	0.096	0.099
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS2	0.100	0.097	0.091	0.097	0.109	0.119	0.122	0.115	0.109	0.097	0.5	0.272	0.136	0.140
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS2	0.098	0.091	0.085	0.094	0.107	0.115	0.113	0.106	0.100	0.090	0.5	0.237	0.118	0.119
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS2	0.090	0.091	0.093	0.103	0.113	0.118	0.116	0.106	0.099	0.095	0.5	0.237	0.118	0.119

Notes:

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Table J.1 (Continued)

VHF band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements													
										Bystander (BS) Positions											DUT Max. TX Factor	Avg. over Body (mW/ cm2)	Calc. P.D. (mW/ cm2)	Max Calc. P.D. (mW/ cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS3	0.067	0.069	0.070	0.071	0.073	0.076	0.080	0.081	0.079	0.077	0.5	0.144	0.072	0.073
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS3	0.072	0.073	0.074	0.075	0.078	0.079	0.082	0.079	0.077	0.072	0.5	0.147	0.074	0.075
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS3	0.085	0.089	0.090	0.094	0.097	0.104	0.107	0.106	0.101	0.093	0.5	0.226	0.113	0.117
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS3	0.083	0.086	0.087	0.088	0.092	0.094	0.096	0.093	0.086	0.079	0.5	0.184	0.092	0.093
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS3	0.085	0.089	0.091	0.093	0.095	0.097	0.099	0.093	0.091	0.087	0.5	0.190	0.095	0.096
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS4	0.056	0.061	0.062	0.061	0.066	0.061	0.071	0.067	0.065	0.063	0.5	0.104	0.052	0.053
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS4	0.063	0.067	0.064	0.068	0.069	0.075	0.074	0.071	0.068	0.064	0.5	0.119	0.059	0.061
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS4	0.077	0.072	0.075	0.074	0.080	0.083	0.089	0.087	0.082	0.081	0.5	0.155	0.077	0.080
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS4	0.083	0.085	0.088	0.089	0.092	0.094	0.098	0.091	0.088	0.084	0.5	0.188	0.094	0.095
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS4	0.092	0.095	0.096	0.095	0.097	0.098	0.092	0.089	0.083	0.079	0.5	0.188	0.094	0.095

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (146-174MHz)	2.15	146.0000	120.0	118	CW	H	0.83	BS5	0.040	0.049	0.041	0.042	0.046	0.060	0.050	0.049	0.048	0.049	0.5	0.059	0.030	0.030
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS5	0.049	0.054	0.049	0.051	0.063	0.067	0.065	0.066	0.061	0.060	0.5	0.088	0.044	0.045
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS5	0.059	0.060	0.056	0.065	0.071	0.075	0.076	0.080	0.074	0.076	0.5	0.117	0.059	0.061
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS5	0.065	0.066	0.063	0.070	0.081	0.087	0.085	0.083	0.076	0.075	0.5	0.134	0.067	0.068
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS5	0.062	0.064	0.054	0.060	0.070	0.078	0.073	0.069	0.062	0.063	0.5	0.097	0.048	0.049
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS1	0.088	0.084	0.079	0.082	0.088	0.098	0.103	0.101	0.097	0.090	0.5	0.222	0.111	0.124
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS1	0.100	0.095	0.089	0.092	0.101	0.112	0.116	0.112	0.103	0.091	0.5	0.268	0.134	0.135
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS1	0.109	0.102	0.093	0.098	0.108	0.118	0.120	0.112	0.103	0.093	0.5	0.285	0.142	0.146
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS1	0.107	0.097	0.086	0.089	0.096	0.101	0.095	0.087	0.078	0.074	0.5	0.202	0.101	0.105
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS1	0.098	0.088	0.080	0.082	0.088	0.083	0.089	0.083	0.084	0.086	0.5	0.175	0.087	0.088
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS1	0.073	0.063	0.058	0.067	0.076	0.078	0.074	0.073	0.078	0.073	0.5	0.115	0.057	0.058

Notes:

MPE calculations are defined in section 15.0
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Table J.1 (Continued)

VHF band - 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	136.0000	120.0	107	CW	H	0.84	BS2	0.075	0.076	0.072	0.077	0.085	0.091	0.100	0.095	0.096	0.089	0.5	0.197	0.099	0.111
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS2	0.093	0.092	0.088	0.094	0.101	0.111	0.116	0.111	0.114	0.102	0.5	0.274	0.137	0.138
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS2	0.097	0.092	0.087	0.093	0.101	0.114	0.118	0.112	0.106	0.096	0.5	0.264	0.132	0.135
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS2	0.098	0.093	0.086	0.093	0.104	0.113	0.116	0.109	0.103	0.098	0.5	0.250	0.125	0.129
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS2	0.087	0.081	0.076	0.086	0.094	0.104	0.102	0.095	0.091	0.086	0.5	0.193	0.097	0.097
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS2	0.078	0.079	0.089	0.091	0.100	0.104	0.101	0.093	0.089	0.086	0.5	0.187	0.093	0.094
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS3	0.065	0.069	0.070	0.072	0.073	0.076	0.078	0.079	0.083	0.079	0.5	0.148	0.074	0.083
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS3	0.079	0.084	0.087	0.089	0.090	0.093	0.095	0.096	0.098	0.093	0.5	0.213	0.107	0.107
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS3	0.079	0.082	0.083	0.084	0.088	0.092	0.095	0.093	0.090	0.084	0.5	0.193	0.096	0.099
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS3	0.083	0.085	0.084	0.083	0.094	0.098	0.103	0.100	0.097	0.088	0.5	0.203	0.102	0.105
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS3	0.075	0.076	0.078	0.081	0.082	0.085	0.086	0.083	0.080	0.072	0.5	0.150	0.075	0.076
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS3	0.074	0.080	0.081	0.082	0.085	0.086	0.086	0.084	0.082	0.078	0.5	0.150	0.075	0.076

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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	136.0000	120.0	107	CW	H	0.84	BS4	0.054	0.055	0.056	0.057	0.059	0.060	0.058	0.061	0.057	0.056	0.5	0.087	0.044	0.049
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS4	0.068	0.070	0.071	0.072	0.075	0.078	0.080	0.082	0.077	0.076	0.5	0.146	0.073	0.074
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS4	0.071	0.074	0.075	0.073	0.075	0.078	0.080	0.081	0.077	0.072	0.5	0.145	0.073	0.074
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS4	0.066	0.067	0.068	0.070	0.072	0.075	0.078	0.078	0.078	0.077	0.5	0.129	0.064	0.067
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS4	0.078	0.083	0.082	0.080	0.084	0.086	0.085	0.083	0.080	0.075	0.5	0.157	0.078	0.079
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS4	0.081	0.085	0.083	0.083	0.083	0.084	0.082	0.078	0.074	0.069	0.5	0.144	0.072	0.073
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS5	0.050	0.048	0.042	0.048	0.053	0.058	0.059	0.057	0.053	0.059	0.5	0.075	0.037	0.042
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS5	0.051	0.058	0.045	0.056	0.055	0.067	0.069	0.063	0.065	0.064	0.5	0.093	0.046	0.047
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS5	0.060	0.059	0.055	0.070	0.071	0.079	0.081	0.074	0.073	0.072	0.5	0.124	0.062	0.063
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	116	CW	H	0.80	BS5	0.059	0.065	0.054	0.064	0.069	0.077	0.085	0.075	0.073	0.074	0.5	0.118	0.059	0.061
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS5	0.059	0.065	0.060	0.068	0.076	0.084	0.085	0.076	0.075	0.070	0.5	0.123	0.062	0.062
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS5	0.061	0.068	0.054	0.062	0.072	0.074	0.072	0.066	0.062	0.063	0.5	0.096	0.048	0.049

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-144MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS1	0.103	0.098	0.092	0.096	0.103	0.114	0.121	0.119	0.115	0.104	0.5	0.304	0.152	0.171
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	H	0.84	BS1	0.106	0.102	0.094	0.095	0.104	0.115	0.119	0.117	0.111	0.101	0.5	0.303	0.152	0.155
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS1	0.107	0.101	0.095	0.096	0.106	0.118	0.123	0.119	0.111	0.096	0.5	0.301	0.150	0.152
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS2	0.086	0.087	0.085	0.088	0.096	0.107	0.115	0.111	0.109	0.104	0.5	0.263	0.131	0.147
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	H	0.84	BS2	0.091	0.090	0.088	0.092	0.102	0.110	0.117	0.111	0.108	0.101	0.5	0.274	0.137	0.140
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS2	0.100	0.098	0.095	0.101	0.108	0.117	0.122	0.120	0.118	0.109	0.5	0.310	0.155	0.156
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS3	0.077	0.081	0.081	0.082	0.083	0.086	0.090	0.092	0.092	0.087	0.5	0.193	0.097	0.108
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	H	0.84	BS3	0.080	0.088	0.090	0.095	0.097	0.098	0.100	0.101	0.098	0.091	0.5	0.235	0.118	0.121
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS3	0.084	0.090	0.093	0.094	0.096	0.099	0.102	0.103	0.102	0.097	0.5	0.240	0.120	0.121
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS4	0.062	0.063	0.064	0.065	0.069	0.068	0.069	0.070	0.065	0.064	0.5	0.116	0.058	0.065
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	H	0.84	BS4	0.070	0.073	0.075	0.077	0.078	0.080	0.086	0.083	0.080	0.079	0.5	0.163	0.081	0.083
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS4	0.072	0.074	0.075	0.076	0.079	0.080	0.082	0.082	0.082	0.083	0.5	0.160	0.080	0.081

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (136-144MHz)	2.15	136.0000	120.0	107	CW	H	0.84	BS5	0.049	0.052	0.047	0.051	0.056	0.065	0.068	0.067	0.066	0.070	0.5	0.095	0.047	0.053
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	117	CW	H	0.84	BS5	0.055	0.058	0.048	0.051	0.069	0.074	0.078	0.076	0.079	0.081	0.5	0.123	0.061	0.063
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS5	0.049	0.061	0.048	0.056	0.058	0.067	0.070	0.068	0.071	0.072	0.5	0.102	0.051	0.051
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS1	0.110	0.104	0.096	0.097	0.111	0.123	0.124	0.121	0.110	0.096	0.5	0.312	0.156	0.158
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS1	0.120	0.113	0.102	0.107	0.117	0.128	0.130	0.122	0.111	0.097	0.5	0.336	0.168	0.172
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS2	0.098	0.096	0.093	0.096	0.104	0.113	0.121	0.117	0.116	0.109	0.5	0.296	0.148	0.149
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS2	0.101	0.097	0.094	0.098	0.108	0.117	0.124	0.117	0.111	0.102	0.5	0.292	0.146	0.150
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS3	0.085	0.091	0.093	0.094	0.098	0.100	0.103	0.103	0.102	0.098	0.5	0.244	0.122	0.123
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS3	0.085	0.089	0.090	0.092	0.095	0.100	0.102	0.100	0.097	0.089	0.5	0.224	0.112	0.115
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS4	0.073	0.072	0.073	0.074	0.076	0.078	0.080	0.082	0.081	0.080	0.5	0.154	0.077	0.078
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS4	0.081	0.077	0.078	0.079	0.081	0.083	0.085	0.086	0.081	0.076	0.5	0.165	0.083	0.085

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (144-150.8MHz)	2.15	144.0000	120.0	119	CW	H	0.83	BS5	0.055	0.054	0.040	0.055	0.059	0.068	0.070	0.065	0.069	0.067	0.5	0.096	0.048	0.049
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS5	0.065	0.069	0.058	0.067	0.071	0.086	0.081	0.080	0.077	0.071	0.5	0.135	0.067	0.069
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS1	0.101	0.095	0.088	0.090	0.101	0.111	0.112	0.105	0.097	0.086	0.5	0.248	0.124	0.127
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS1	0.116	0.107	0.097	0.101	0.108	0.110	0.107	0.093	0.083	0.076	0.5	0.250	0.125	0.129
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS1	0.107	0.097	0.089	0.091	0.101	0.106	0.101	0.091	0.088	0.087	0.5	0.223	0.111	0.113
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS2	0.089	0.086	0.083	0.088	0.095	0.104	0.110	0.102	0.098	0.091	0.5	0.229	0.114	0.117
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS2	0.108	0.103	0.096	0.098	0.108	0.119	0.120	0.115	0.108	0.098	0.5	0.286	0.143	0.148
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS2	0.100	0.097	0.091	0.097	0.109	0.118	0.121	0.112	0.108	0.100	0.5	0.270	0.135	0.137
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS3	0.074	0.078	0.077	0.079	0.083	0.086	0.090	0.087	0.084	0.077	0.5	0.169	0.085	0.087
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS3	0.088	0.091	0.092	0.094	0.100	0.107	0.110	0.107	0.103	0.097	0.5	0.243	0.122	0.126
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS3	0.091	0.091	0.094	0.096	0.099	0.102	0.103	0.100	0.095	0.086	0.5	0.222	0.111	0.113

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (150.8-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS4	0.070	0.071	0.068	0.067	0.069	0.072	0.075	0.074	0.071	0.069	0.5	0.126	0.063	0.065
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS4	0.078	0.079	0.077	0.078	0.084	0.085	0.090	0.093	0.090	0.089	0.5	0.177	0.088	0.091
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS4	0.081	0.083	0.080	0.081	0.083	0.085	0.090	0.091	0.089	0.082	0.5	0.173	0.086	0.088
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	117	CW	H	0.82	BS5	0.059	0.073	0.051	0.057	0.059	0.072	0.074	0.070	0.069	0.066	0.5	0.109	0.054	0.056
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	116	CW	H	0.81	BS5	0.067	0.069	0.061	0.068	0.073	0.081	0.085	0.082	0.083	0.085	0.5	0.142	0.071	0.074
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS5	0.063	0.066	0.060	0.071	0.078	0.082	0.083	0.081	0.077	0.075	0.5	0.132	0.066	0.067
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS1	0.104	0.093	0.084	0.088	0.098	0.103	0.099	0.090	0.085	0.083	0.5	0.209	0.104	0.106
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS1	0.108	0.100	0.088	0.093	0.103	0.104	0.098	0.091	0.092	0.093	0.5	0.222	0.111	0.112
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS1	0.084	0.075	0.068	0.078	0.089	0.093	0.086	0.082	0.089	0.093	0.5	0.158	0.079	0.080
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS2	0.098	0.092	0.089	0.095	0.108	0.117	0.120	0.110	0.104	0.096	0.5	0.258	0.129	0.131
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS2	0.099	0.093	0.087	0.096	0.109	0.117	0.118	0.108	0.102	0.095	0.5	0.249	0.124	0.126
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS2	0.094	0.096	0.097	0.108	0.120	0.124	0.125	0.110	0.105	0.098	0.5	0.262	0.131	0.132

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.1 (Continued)

VHF band - 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 (162-174MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS3	0.085	0.087	0.088	0.090	0.095	0.096	0.099	0.094	0.091	0.084	0.5	0.200	0.100	0.102
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS3	0.081	0.082	0.083	0.085	0.087	0.091	0.091	0.087	0.083	0.073	0.5	0.168	0.084	0.085
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS3	0.085	0.090	0.094	0.095	0.098	0.099	0.100	0.095	0.092	0.088	0.5	0.196	0.098	0.099
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS4	0.078	0.085	0.078	0.078	0.078	0.083	0.086	0.085	0.084	0.081	0.5	0.161	0.080	0.082
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS4	0.085	0.095	0.087	0.090	0.088	0.092	0.096	0.093	0.091	0.085	0.5	0.192	0.096	0.097
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS4	0.091	0.096	0.094	0.093	0.092	0.093	0.092	0.090	0.086	0.082	0.5	0.185	0.093	0.093
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	118	CW	H	0.80	BS5	0.060	0.068	0.065	0.069	0.072	0.080	0.079	0.074	0.072	0.070	0.5	0.122	0.061	0.062
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	119	CW	H	0.79	BS5	0.069	0.072	0.064	0.070	0.078	0.087	0.088	0.084	0.078	0.073	0.5	0.138	0.069	0.070
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	119	CW	H	0.77	BS5	0.061	0.070	0.056	0.070	0.071	0.081	0.078	0.068	0.043	0.062	0.5	0.100	0.050	0.050

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.2

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PB	0.732	0.400	0.207	0.5	0.451	0.23	0.23
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	112	CW	E	1.02	PB	0.684	0.510	0.390	0.5	0.539	0.27	0.29
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PB	0.640	0.544	0.355	0.5	0.523	0.26	0.29
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	120	CW	E	1.01	PB	0.764	0.750	0.692	0.5	0.743	0.37	0.37
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PB	0.447	0.755	0.795	0.5	0.666	0.33	0.35
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PB	0.147	0.253	0.329	0.5	0.241	0.12	0.13
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	117	CW	E	1.01	PB	0.139	0.089	0.051	0.5	0.094	0.047	0.05
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	112	CW	E	1.02	PB	0.096	0.092	0.064	0.5	0.086	0.043	0.05
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	110	CW	E	1.02	PB	0.129	0.117	0.075	0.5	0.109	0.055	0.06
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	120	CW	E	1.01	PB	0.171	0.199	0.172	0.5	0.182	0.091	0.09
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	114	CW	E	1.00	PB	0.069	0.142	0.145	0.5	0.119	0.059	0.06
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	115	CW	E	0.99	PB	0.072	0.156	0.168	0.5	0.131	0.065	0.07

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC

Table J.2 (Continued)
VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	117	CW	E	1.01	PB	0.049	0.081	0.053	0.5	0.062	0.03	0.03
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	113	CW	E	1.02	PB	0.221	0.150	0.110	0.5	0.164	0.08	0.09
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	110	CW	E	1.02	PB	0.242	0.220	0.14	0.5	0.205	0.10	0.11
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	120	CW	E	1.01	PB	0.304	0.310	0.265	0.5	0.296	0.15	0.15
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	114	CW	E	1.05	PB	0.220	0.347	0.326	0.5	0.313	0.16	0.16
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	115	CW	E	0.99	PB	0.087	0.175	0.249	0.5	0.169	0.08	0.09
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PB	0.752	0.434	0.193	0.5	0.464	0.23	0.24
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PB	0.828	0.564	0.356	0.5	0.594	0.30	0.32
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PB	0.642	0.598	0.386	0.5	0.553	0.28	0.30
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	119	CW	E	1.01	PB	0.579	0.719	0.592	0.5	0.638	0.32	0.32
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	115	CW	E	1.01	PB	0.520	0.727	0.695	0.5	0.655	0.33	0.34

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC

Table J.2 (Continued)

VHF band - 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	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	112	CW	E	1.05	PB	0.592	0.431	0.293	0.5	0.461	0.23	0.25
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	110	CW	E	1.05	PB	0.441	0.394	0.295	0.5	0.396	0.20	0.22
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	120	CW	E	1.05	PB	0.617	0.782	0.647	0.5	0.716	0.36	0.36
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	114	CW	E	1.05	PB	0.469	0.805	0.714	0.5	0.696	0.35	0.37
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	115	CW	E	1.05	PB	0.209	0.313	0.279	0.5	0.280	0.14	0.15
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PB	0.793	0.436	0.219	0.5	0.487	0.24	0.25
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PB	0.83	0.588	0.407	0.5	0.621	0.31	0.33
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PB	0.699	0.568	0.438	0.5	0.580	0.29	0.32
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	120	CW	E	1.01	PB	0.672	0.691	0.596	0.5	0.660	0.33	0.33
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PB	0.340	0.622	0.619	0.5	0.527	0.26	0.28
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PB	0.130	0.216	0.229	0.5	0.190	0.09	0.10

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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 (136-144MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PB	1.016	0.578	0.269	0.5	0.627	0.31	0.32
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	115	CW	E	1.02	PB	1.030	0.659	0.457	0.5	0.729	0.36	0.38
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PB	0.932	0.727	0.485	0.5	0.728	0.36	0.39
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PB	0.864	0.698	0.493	0.5	0.698	0.35	0.37
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PB	0.823	0.665	0.509	0.5	0.678	0.34	0.37
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PB	0.55	0.436	0.365	0.5	0.459	0.23	0.25
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	119	CW	E	1.01	PB	0.684	0.714	0.657	0.5	0.693	0.35	0.35
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	115	CW	E	1.01	PB	0.560	0.720	0.657	0.5	0.654	0.33	0.34

Notes:

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Table J.2 (Continued)

VHF band - 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 (162-174MHz)	2.15	162.0000	120.0	115	CW	E	1.01	PB	0.393	0.608	0.614	0.5	0.545	0.27	0.28
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PB	0.514	0.719	0.736	0.5	0.658	0.33	0.35
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PB	0.2	0.176	0.176	0.5	0.183	0.09	0.10
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PF	0.117	0.169	0.082	0.5	0.124	0.062	0.06
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	112	CW	E	1.02	PF	0.108	0.215	0.145	0.5	0.159	0.080	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PF	0.092	0.197	0.124	0.5	0.140	0.070	0.08
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	120	CW	E	1.01	PF	0.101	0.231	0.174	0.5	0.170	0.085	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PF	0.106	0.207	0.159	0.5	0.157	0.079	0.08
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PF	0.196	0.202	0.180	0.5	0.191	0.095	0.10

Notes:

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Table J.2 (Continued)

VHF band - 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	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	117	CW	E	1.01	PF	0.021	0.019	0.024	0.5	0.022	0.011	0.01
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	112	CW	E	1.02	PF	0.039	0.049	0.041	0.5	0.044	0.022	0.02
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	110	CW	E	1.02	PF	0.017	0.033	0.045	0.5	0.032	0.016	0.02
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	120	CW	E	1.01	PF	0.009	0.006	0.012	0.5	0.009	0.005	0.00
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	114	CW	E	1.00	PF	0.014	0.022	0.021	0.5	0.019	0.010	0.01
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	115	CW	E	0.99	PF	0.022	0.028	0.05	0.5	0.033	0.017	0.02
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	136.0000	120.0	117	CW	E	1.01	PF	0.039	0.041	0.030	0.5	0.037	0.019	0.02
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	113	CW	E	1.02	PF	0.032	0.046	0.042	0.5	0.041	0.020	0.02
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	110	CW	E	1.02	PF	0.045	0.084	0.070	0.5	0.068	0.034	0.04
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	120	CW	E	1.01	PF	0.027	0.053	0.030	0.5	0.037	0.019	0.02
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	114	CW	E	1.00	PF	0.049	0.112	0.084	0.5	0.082	0.041	0.04
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	115	CW	E	0.99	PF	0.047	0.063	0.074	0.5	0.061	0.030	0.03

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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 (136-162MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PF	0.147	0.206	0.098	0.5	0.152	0.076	0.08
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PF	0.112	0.190	0.164	0.5	0.158	0.079	0.08
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PF	0.109	0.21	0.188	0.5	0.172	0.086	0.09
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	119	CW	E	1.01	PF	0.087	0.160	0.141	0.5	0.131	0.065	0.07
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	115	CW	E	1.01	PF	0.142	0.296	0.15	0.5	0.198	0.099	0.10
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	112	CW	E	1.02	PF	0.088	0.177	0.132	0.5	0.135	0.07	0.07
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PF	0.070	0.148	0.101	0.5	0.108	0.05	0.06
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	120	CW	E	1.01	PF	0.108	0.180	0.210	0.5	0.168	0.08	0.08
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PF	0.127	0.255	0.162	0.5	0.181	0.09	0.10
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PF	0.210	0.169	0.185	0.5	0.186	0.09	0.10

Notes:

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Table J.2 (Continued)

VHF band - 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	136.0000	120.0	117	CW	E	1.01	PF	0.099	0.177	0.072	0.5	0.117	0.059	0.06
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PF	0.087	0.185	0.147	0.5	0.142	0.071	0.08
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PF	0.085	0.170	0.121	0.5	0.128	0.064	0.07
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	120	CW	E	1.01	PF	0.098	0.201	0.156	0.5	0.153	0.077	0.08
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PF	0.105	0.190	0.156	0.5	0.150	0.075	0.08
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PF	0.163	0.156	0.104	0.5	0.140	0.070	0.07
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	117	CW	E	1.01	PF	0.157	0.282	0.121	0.5	0.189	0.094	0.10
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	115	CW	E	1.02	PF	0.117	0.212	0.131	0.5	0.156	0.078	0.08
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PF	0.116	0.227	0.171	0.5	0.175	0.087	0.09
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	113	CW	E	1.02	PF	0.103	0.215	0.156	0.5	0.161	0.081	0.09
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PF	0.110	0.217	0.125	0.5	0.154	0.077	0.08

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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 (150.8-162MHz)	2.15	150.8000	120.0	110	CW	E	1.02	PF	0.070	0.169	0.119	0.5	0.122	0.061	0.07
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	119	CW	E	1.01	PF	0.105	0.212	0.127	0.5	0.149	0.074	0.08
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	115	CW	E	1.01	PF	0.129	0.263	0.222	0.5	0.206	0.103	0.11
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	115	CW	E	1.01	PF	0.123	0.224	0.199	0.5	0.183	0.09	0.10
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	PF	0.169	0.242	0.187	0.5	0.200	0.10	0.11
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	PF	0.242	0.235	0.202	0.5	0.225	0.11	0.12

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PB	0.158	0.127	0.104	0.5	0.512	0.26	0.26
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	112	CW	H	0.88	PB	0.146	0.132	0.120	0.5	0.519	0.26	0.28
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PB	0.132	0.128	0.111	0.5	0.451	0.23	0.25
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	120	CW	H	0.87	PB	0.139	0.154	0.142	0.5	0.606	0.30	0.30
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	114	CW	H	0.87	PB	0.115	0.135	0.147	0.5	0.502	0.25	0.26
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	115	CW	H	0.86	PB	0.093	0.062	0.065	0.5	0.156	0.08	0.08
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	117	CW	H	0.90	PB	0.076	0.059	0.049	0.5	0.119	0.059	0.06
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	112	CW	H	0.88	PB	0.064	0.056	0.051	0.5	0.096	0.048	0.05
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	110	CW	H	0.88	PB	0.061	0.058	0.055	0.5	0.099	0.049	0.05
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	120	CW	H	0.87	PB	0.074	0.078	0.072	0.5	0.161	0.080	0.08
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	114	CW	H	0.87	PB	0.052	0.051	0.047	0.5	0.071	0.036	0.04
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	115	CW	H	0.86	PB	0.053	0.044	0.06	0.5	0.078	0.039	0.04

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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 (132-174MHz)	5.15	136.0000	120.0	117	CW	H	0.89	PB	0.078	0.062	0.053	0.5	0.126	0.06	0.06
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	113	CW	H	0.88	PB	0.083	0.079	0.068	0.5	0.173	0.09	0.09
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	110	CW	H	0.88	PB	0.075	0.078	0.068	0.5	0.160	0.08	0.09
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	120	CW	H	0.86	PB	0.103	0.106	0.099	0.5	0.294	0.15	0.15
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	114	CW	H	0.87	PB	0.087	0.108	0.122	0.5	0.323	0.16	0.17
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	115	CW	H	0.86	PB	0.061	0.077	0.092	0.5	0.169	0.08	0.09
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PB	0.142	0.117	0.108	0.5	0.449	0.22	0.23
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PB	0.149	0.138	0.122	0.5	0.545	0.27	0.29
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PB	0.138	0.132	0.12	0.5	0.494	0.25	0.27
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	119	CW	H	0.87	PB	0.139	0.149	0.136	0.5	0.571	0.29	0.29
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	115	CW	H	0.87	PB	0.129	0.150	0.159	0.5	0.613	0.31	0.32

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	112	CW	H	0.88	PB	0.106	0.101	0.089	0.5	0.287	0.14	0.15
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PB	0.119	0.107	0.093	0.5	0.333	0.17	0.18
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	120	CW	H	0.87	PB	0.145	0.155	0.139	0.5	0.609	0.30	0.30
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	PB	0.140	0.179	0.183	0.5	0.806	0.40	0.42
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	115	CW	H	0.83	PB	0.111	0.101	0.095	0.5	0.273	0.14	0.14
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PB	0.155	0.128	0.106	0.5	0.509	0.25	0.26
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PB	0.145	0.138	0.119	0.5	0.530	0.26	0.28
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PB	0.135	0.13	0.111	0.5	0.463	0.23	0.25
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	120	CW	H	0.86	PB	0.132	0.147	0.135	0.5	0.532	0.27	0.27
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	PB	0.112	0.133	0.139	0.5	0.469	0.23	0.25
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	115	CW	H	0.86	PB	0.072	0.077	0.09	0.5	0.179	0.09	0.09

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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 (136-144MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PB	0.177	0.139	0.11	0.5	0.618	0.31	0.32
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	115	CW	H	0.88	PB	0.184	0.158	0.13	0.5	0.740	0.37	0.39
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PB	0.162	0.15	0.128	0.5	0.636	0.32	0.34
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PB	0.157	0.144	0.124	0.5	0.593	0.30	0.32
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PB	0.136	0.133	0.118	0.5	0.489	0.24	0.27
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PB	0.122	0.119	0.104	0.5	0.388	0.19	0.21
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	119	CW	H	0.87	PB	0.147	0.155	0.139	0.5	0.625	0.31	0.32
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	115	CW	H	0.87	PB	0.132	0.165	0.167	0.5	0.698	0.35	0.36

Notes:

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Table J.2 (Continued)

VHF band - 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 (162-174MHz)	2.15	162.0000	120.0	115	CW	H	0.87	PB	0.12	0.147	0.146	0.5	0.551	0.28	0.29
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	PB	0.110	0.143	0.153	0.5	0.530	0.26	0.28
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	115	CW	H	0.86	PB	0.078	0.086	0.098	0.5	0.215	0.11	0.11
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PF	0.096	0.083	0.067	0.5	0.203	0.101	0.10
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	112	CW	H	0.88	PF	0.079	0.084	0.066	0.5	0.172	0.086	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PF	0.079	0.08	0.065	0.5	0.165	0.082	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	120	CW	H	0.87	PF	0.086	0.089	0.084	0.5	0.215	0.107	0.11
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	114	CW	H	0.85	PF	0.094	0.101	0.072	0.5	0.220	0.110	0.12
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	115	CW	H	0.86	PF	0.096	0.086	0.087	0.5	0.226	0.113	0.12

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	117	CW	H	0.89	PF	0.049	0.04	0.043	0.5	0.058	0.029	0.03
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	112	CW	H	0.88	PF	0.045	0.046	0.04	0.5	0.056	0.028	0.03
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	110	CW	H	0.88	PF	0.049	0.042	0.04	0.5	0.056	0.028	0.03
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	120	CW	H	0.86	PF	0.041	0.035	0.031	0.5	0.036	0.018	0.02
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	114	CW	H	0.87	PF	0.050	0.048	0.039	0.5	0.060	0.030	0.03
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	115	CW	H	0.86	PF	0.052	0.043	0.055	0.5	0.071	0.035	0.04
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	136.0000	120.0	117	CW	H	0.89	PF	0.056	0.045	0.050	0.5	0.076	0.038	0.04
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	113	CW	H	0.88	PF	0.045	0.042	0.044	0.5	0.056	0.028	0.03
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	110	CW	H	0.88	PF	0.052	0.048	0.050	0.5	0.073	0.037	0.04
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	120	CW	H	0.87	PF	0.048	0.049	0.042	0.5	0.062	0.031	0.03
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	114	CW	H	0.87	PF	0.067	0.068	0.054	0.5	0.114	0.057	0.06
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	115	CW	H	0.86	PF	0.07	0.056	0.063	0.5	0.112	0.056	0.06

Notes:

MPE calculations are defined in section 15.0
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Table J.2 (Continued)

VHF band - 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 (136-162MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PF	0.102	0.082	0.053	0.5	0.196	0.098	0.10
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PF	0.077	0.075	0.063	0.5	0.152	0.076	0.08
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PF	0.079	0.081	0.061	0.5	0.161	0.081	0.09
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	119	CW	H	0.87	PF	0.068	0.073	0.057	0.5	0.127	0.063	0.06
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	115	CW	H	0.87	PF	0.095	0.099	0.075	0.5	0.231	0.116	0.12
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	146.0000	120.0	112	CW	H	0.88	PF	0.074	0.07	0.068	0.5	0.147	0.07	0.08
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	110	CW	H	0.87	PF	0.069	0.068	0.063	0.5	0.127	0.06	0.07
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	120	CW	H	0.86	PF	0.087	0.088	0.077	0.5	0.197	0.10	0.10
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	114	CW	H	0.85	PF	0.102	0.109	0.091	0.5	0.278	0.14	0.15
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	115	CW	H	0.83	PF	0.101	0.114	0.078	0.5	0.253	0.13	0.13

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.2 (Continued)

VHF band - 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	136.0000	120.0	117	CW	H	0.89	PF	0.098	0.084	0.052	0.5	0.191	0.095	0.10
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PF	0.07	0.075	0.056	0.5	0.133	0.067	0.07
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PF	0.08	0.083	0.068	0.5	0.175	0.087	0.10
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	120	CW	H	0.87	PF	0.081	0.086	0.076	0.5	0.189	0.095	0.09
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	PF	0.093	0.102	0.081	0.5	0.243	0.121	0.13
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	115	CW	H	0.86	PF	0.090	0.089	0.070	0.5	0.195	0.098	0.10
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	136.0000	120.0	117	CW	H	0.89	PF	0.094	0.086	0.066	0.5	0.203	0.101	0.10
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	115	CW	H	0.88	PF	0.087	0.074	0.069	0.5	0.174	0.087	0.09
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PF	0.091	0.083	0.070	0.5	0.196	0.098	0.10

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table J.2 (Continued)

VHF band - 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	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	113	CW	H	0.88	PF	0.078	0.076	0.06	0.5	0.151	0.075	0.08
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PF	0.087	0.086	0.071	0.5	0.195	0.098	0.11
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	110	CW	H	0.88	PF	0.073	0.08	0.067	0.5	0.158	0.079	0.09
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	119	CW	H	0.87	PF	0.080	0.097	0.068	0.5	0.197	0.098	0.10
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	115	CW	H	0.85	PF	0.112	0.109	0.096	0.5	0.305	0.15	0.16
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	115	CW	H	0.87	PF	0.097	0.119	0.088	0.5	0.301	0.15	0.16
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	PF	0.109	0.123	0.088	0.5	0.334	0.17	0.18
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	115	CW	H	0.86	PF	0.094	0.091	0.069	0.5	0.204	0.10	0.11

Notes:

MPE calculations are defined in section 15.0
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Appendix K – MPE Measurement Results for LMR UHF R1

Table K.1

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS1	0.040	0.020	0.030	0.040	0.050	0.070	0.060	0.060	0.070	0.110	0.5	0.058	0.029	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS1	0.010	0.040	0.030	0.050	0.080	0.100	0.090	0.070	0.080	0.140	0.5	0.074	0.037	0.037
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS1	0.010	0.010	0.030	0.050	0.080	0.120	0.150	0.110	0.080	0.140	0.5	0.083	0.042	0.042
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.03	BS1	0.020	0.040	0.070	0.080	0.110	0.120	0.120	0.100	0.080	0.090	0.5	0.085	0.043	0.046
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.00	BS1	0.040	0.060	0.100	0.120	0.150	0.130	0.090	0.070	0.090	0.150	0.5	0.100	0.050	0.056
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.060	0.060	0.110	0.140	0.170	0.140	0.120	0.110	0.140	0.210	0.5	0.122	0.061	0.062
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.060	0.070	0.100	0.110	0.100	0.090	0.080	0.070	0.110	0.170	0.5	0.089	0.045	0.046
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS2	0.037	0.036	0.033	0.034	0.030	0.041	0.051	0.050	0.045	0.054	0.5	0.043	0.022	0.023
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS2	0.044	0.038	0.040	0.051	0.048	0.057	0.060	0.058	0.061	0.080	0.5	0.057	0.029	0.029
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS2	0.058	0.047	0.053	0.052	0.045	0.050	0.054	0.055	0.065	0.073	0.5	0.059	0.030	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.03	BS2	0.041	0.035	0.041	0.036	0.037	0.045	0.049	0.043	0.048	0.090	0.5	0.048	0.024	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.00	BS2	0.030	0.016	0.020	0.022	0.031	0.043	0.061	0.085	0.106	0.110	0.5	0.052	0.026	0.029
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.034	0.028	0.026	0.028	0.042	0.065	0.091	0.113	0.121	0.113	0.5	0.064	0.032	0.032
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.023	0.016	0.022	0.027	0.043	0.060	0.075	0.071	0.067	0.097	0.5	0.047	0.023	0.024

Notes:

MPE calculations are defined in section 15.0
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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS3	0.046	0.050	0.031	0.051	0.050	0.030	0.031	0.032	0.033	0.036	0.5	0.041	0.020	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS3	0.063	0.070	0.062	0.079	0.061	0.035	0.034	0.033	0.040	0.050	0.5	0.056	0.028	0.028
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS3	0.058	0.064	0.060	0.069	0.047	0.031	0.022	0.021	0.035	0.066	0.5	0.051	0.025	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.03	BS3	0.028	0.026	0.031	0.045	0.039	0.042	0.049	0.050	0.045	0.050	0.5	0.042	0.021	0.023
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.00	BS3	0.033	0.036	0.045	0.048	0.038	0.040	0.039	0.038	0.051	0.059	0.5	0.043	0.021	0.024
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.038	0.045	0.059	0.056	0.046	0.040	0.039	0.049	0.058	0.065	0.5	0.048	0.024	0.024
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.042	0.039	0.046	0.045	0.038	0.041	0.048	0.055	0.054	0.056	0.5	0.043	0.022	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS4	0.030	0.041	0.029	0.023	0.027	0.030	0.026	0.019	0.012	0.010	0.5	0.026	0.013	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS4	0.050	0.062	0.037	0.038	0.043	0.045	0.035	0.024	0.018	0.017	0.5	0.039	0.020	0.020
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS4	0.034	0.046	0.037	0.048	0.064	0.061	0.039	0.015	0.007	0.013	0.5	0.039	0.019	0.020
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.03	BS4	0.033	0.030	0.019	0.022	0.030	0.035	0.036	0.025	0.016	0.012	0.5	0.027	0.013	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.00	BS4	0.030	0.033	0.030	0.031	0.033	0.026	0.017	0.012	0.016	0.027	0.5	0.026	0.013	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.037	0.039	0.031	0.032	0.037	0.033	0.026	0.015	0.018	0.027	0.5	0.029	0.014	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.023	0.022	0.015	0.025	0.024	0.019	0.012	0.013	0.020	0.036	0.5	0.019	0.010	0.010

Notes:

MPE calculations are defined in section 15.0
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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS5	0.004	0.002	0.003	0.004	0.006	0.010	0.010	0.005	0.001	0.004	0.5	0.005	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS5	0.003	0.002	0.004	0.007	0.011	0.014	0.010	0.003	0.002	0.005	0.5	0.007	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS5	0.002	0.002	0.001	0.001	0.005	0.007	0.010	0.013	0.012	0.009	0.5	0.007	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.03	BS5	0.002	0.004	0.006	0.011	0.012	0.011	0.012	0.014	0.020	0.022	0.5	0.012	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.00	BS5	0.002	0.003	0.005	0.008	0.014	0.020	0.019	0.018	0.017	0.020	0.5	0.013	0.006	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.002	0.003	0.005	0.008	0.017	0.023	0.026	0.021	0.018	0.023	0.5	0.014	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.006	0.004	0.009	0.015	0.025	0.029	0.025	0.018	0.011	0.013	0.5	0.014	0.007	0.007
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.05	BS1	0.040	0.030	0.040	0.060	0.080	0.110	0.100	0.080	0.080	0.100	0.5	0.076	0.038	0.039
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.07	BS1	0.040	0.030	0.060	0.060	0.090	0.120	0.090	0.060	0.030	0.080	0.5	0.071	0.035	0.035
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.07	BS1	0.020	0.010	0.040	0.050	0.120	0.190	0.210	0.120	0.030	0.060	0.5	0.091	0.045	0.046
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.04	BS1	0.020	0.030	0.070	0.100	0.150	0.160	0.140	0.080	0.020	0.030	0.5	0.083	0.042	0.044
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.01	BS1	0.030	0.040	0.080	0.090	0.110	0.110	0.090	0.060	0.020	0.010	0.5	0.065	0.032	0.036

Notes:

MPE calculations are defined in section 15.0
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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.05	BS2	0.046	0.047	0.049	0.051	0.048	0.066	0.074	0.067	0.052	0.060	0.5	0.059	0.029	0.031
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.07	BS2	0.059	0.047	0.050	0.062	0.067	0.087	0.085	0.062	0.044	0.055	0.5	0.066	0.033	0.033
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.07	BS2	0.069	0.057	0.071	0.064	0.065	0.070	0.051	0.034	0.025	0.026	0.5	0.057	0.028	0.029
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.04	BS2	0.051	0.047	0.060	0.054	0.065	0.074	0.059	0.032	0.011	0.010	0.5	0.048	0.024	0.026
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.01	BS2	0.039	0.041	0.046	0.041	0.064	0.065	0.078	0.049	0.015	0.009	0.5	0.045	0.023	0.025
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.05	BS3	0.057	0.058	0.040	0.063	0.056	0.031	0.030	0.029	0.030	0.031	0.5	0.045	0.022	0.023
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.07	BS3	0.079	0.082	0.073	0.093	0.065	0.034	0.026	0.021	0.024	0.028	0.5	0.056	0.028	0.028
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.07	BS3	0.072	0.076	0.075	0.088	0.059	0.040	0.028	0.016	0.014	0.023	0.5	0.053	0.026	0.027
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.04	BS3	0.037	0.039	0.045	0.058	0.051	0.047	0.042	0.034	0.021	0.015	0.5	0.040	0.020	0.021
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.01	BS3	0.037	0.029	0.041	0.052	0.041	0.044	0.040	0.033	0.021	0.012	0.5	0.035	0.018	0.020

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.05	BS4	0.034	0.047	0.030	0.028	0.036	0.035	0.029	0.019	0.010	0.006	0.5	0.029	0.014	0.015
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.07	BS4	0.054	0.064	0.041	0.042	0.044	0.042	0.030	0.015	0.007	0.004	0.5	0.037	0.018	0.018
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.07	BS4	0.036	0.047	0.038	0.048	0.057	0.047	0.026	0.006	0.002	0.001	0.5	0.033	0.016	0.017
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.04	BS4	0.028	0.027	0.021	0.027	0.033	0.032	0.020	0.008	0.003	0.002	0.5	0.021	0.010	0.011
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.01	BS4	0.034	0.033	0.024	0.029	0.028	0.024	0.011	0.006	0.010	0.009	0.5	0.021	0.011	0.012
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.05	BS5	0.007	0.003	0.004	0.008	0.013	0.019	0.017	0.005	0.004	0.001	0.5	0.009	0.004	0.004
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.07	BS5	0.001	0.003	0.006	0.011	0.018	0.024	0.021	0.012	0.006	0.005	0.5	0.011	0.006	0.006
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.07	BS5	0.004	0.005	0.007	0.008	0.010	0.014	0.018	0.015	0.010	0.004	0.5	0.010	0.005	0.005
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.04	BS5	0.002	0.007	0.010	0.011	0.016	0.017	0.015	0.011	0.006	0.005	0.5	0.010	0.005	0.006
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.01	BS5	0.007	0.013	0.016	0.023	0.032	0.033	0.025	0.015	0.011	0.012	0.5	0.019	0.009	0.010

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.05	BS1	0.000	0.000	0.000	0.000	0.020	0.060	0.170	0.300	0.400	0.380	0.5	0.140	0.070	0.073
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.07	BS1	0.000	0.000	0.000	0.000	0.020	0.080	0.200	0.380	0.490	0.500	0.5	0.179	0.089	0.089
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.07	BS1	0.000	0.000	0.000	0.000	0.010	0.060	0.170	0.300	0.410	0.440	0.5	0.149	0.074	0.076
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.04	BS1	0.000	0.000	0.000	0.010	0.030	0.060	0.120	0.220	0.300	0.310	0.5	0.109	0.055	0.058
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.01	BS1	0.000	0.000	0.000	0.000	0.010	0.020	0.070	0.120	0.170	0.180	0.5	0.058	0.029	0.032
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.05	BS2	0.004	0.005	0.009	0.020	0.045	0.100	0.183	0.290	0.367	0.370	0.5	0.146	0.073	0.076
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.07	BS2	0.004	0.003	0.003	0.012	0.037	0.095	0.212	0.359	0.477	0.491	0.5	0.181	0.091	0.091
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.07	BS2	0.006	0.005	0.006	0.008	0.016	0.050	0.133	0.241	0.337	0.339	0.5	0.122	0.061	0.062
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.04	BS2	0.002	0.003	0.005	0.007	0.016	0.034	0.076	0.145	0.215	0.151	0.5	0.068	0.034	0.036
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.01	BS2	0.003	0.002	0.002	0.002	0.007	0.019	0.044	0.082	0.117	0.111	0.5	0.039	0.020	0.022

Notes:

MPE calculations are defined in section 15.0
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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.05	BS3	0.008	0.015	0.020	0.035	0.047	0.059	0.093	0.151	0.211	0.209	0.5	0.089	0.045	0.046
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.07	BS3	0.008	0.012	0.020	0.035	0.050	0.064	0.088	0.131	0.142	0.140	0.5	0.074	0.037	0.037
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.07	BS3	0.008	0.011	0.016	0.027	0.038	0.056	0.088	0.134	0.186	0.210	0.5	0.083	0.041	0.042
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.04	BS3	0.004	0.005	0.009	0.016	0.025	0.038	0.060	0.088	0.122	0.133	0.5	0.052	0.026	0.028
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.01	BS3	0.002	0.003	0.004	0.011	0.019	0.030	0.044	0.064	0.081	0.086	0.5	0.035	0.017	0.019
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.05	BS4	0.011	0.015	0.016	0.027	0.043	0.064	0.079	0.094	0.125	0.155	0.5	0.066	0.033	0.034
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.07	BS4	0.010	0.020	0.024	0.041	0.073	0.101	0.115	0.127	0.152	0.175	0.5	0.090	0.045	0.045
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.07	BS4	0.014	0.018	0.019	0.025	0.032	0.044	0.057	0.073	0.092	0.120	0.5	0.053	0.026	0.027
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.04	BS4	0.005	0.006	0.007	0.009	0.020	0.026	0.028	0.032	0.038	0.046	0.5	0.023	0.011	0.012
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.01	BS4	0.003	0.006	0.007	0.014	0.019	0.023	0.029	0.031	0.035	0.040	0.5	0.021	0.010	0.012

Notes:

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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.05	BS5	0.010	0.010	0.010	0.010	0.030	0.040	0.060	0.060	0.080	0.110	0.5	0.044	0.022	0.023
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.07	BS5	0.010	0.010	0.010	0.010	0.020	0.040	0.060	0.080	0.110	0.160	0.5	0.055	0.027	0.027
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.07	BS5	0.000	0.000	0.000	0.010	0.020	0.040	0.050	0.060	0.070	0.090	0.5	0.036	0.018	0.018
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.04	BS5	0.000	0.000	0.000	0.000	0.010	0.030	0.050	0.060	0.070	0.090	0.5	0.032	0.016	0.017
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.01	BS5	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.030	0.040	0.060	0.5	0.017	0.009	0.010
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS1	0.030	0.010	0.020	0.040	0.060	0.110	0.190	0.280	0.330	0.300	0.5	0.144	0.072	0.075
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS1	0.030	0.020	0.030	0.040	0.080	0.140	0.190	0.240	0.300	0.330	0.5	0.150	0.075	0.075
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS1	0.000	0.000	0.020	0.040	0.090	0.170	0.250	0.280	0.300	0.330	0.5	0.158	0.079	0.081
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.04	BS1	0.010	0.030	0.070	0.110	0.170	0.220	0.240	0.260	0.280	0.310	0.5	0.177	0.088	0.094
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.01	BS1	0.030	0.040	0.060	0.070	0.090	0.140	0.180	0.230	0.270	0.260	0.5	0.138	0.069	0.077

Notes:

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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS2	0.046	0.053	0.054	0.058	0.064	0.104	0.150	0.191	0.210	0.221	0.5	0.121	0.060	0.063
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS2	0.040	0.039	0.041	0.059	0.074	0.106	0.147	0.196	0.238	0.258	0.5	0.128	0.064	0.064
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS2	0.048	0.041	0.048	0.055	0.068	0.097	0.135	0.199	0.252	0.241	0.5	0.127	0.063	0.064
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.04	BS2	0.031	0.029	0.033	0.038	0.049	0.072	0.102	0.154	0.214	0.215	0.5	0.097	0.049	0.052
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.01	BS2	0.035	0.034	0.033	0.028	0.046	0.077	0.114	0.148	0.182	0.200	0.5	0.091	0.045	0.050
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS3	0.050	0.055	0.044	0.075	0.085	0.071	0.088	0.117	0.153	0.164	0.5	0.095	0.047	0.049
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS3	0.057	0.060	0.054	0.079	0.075	0.062	0.076	0.107	0.134	0.156	0.5	0.092	0.046	0.046
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS3	0.055	0.061	0.060	0.073	0.055	0.046	0.057	0.080	0.125	0.181	0.5	0.085	0.042	0.043
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.04	BS3	0.028	0.032	0.041	0.053	0.050	0.056	0.069	0.083	0.115	0.145	0.5	0.070	0.035	0.037
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.01	BS3	0.030	0.027	0.041	0.058	0.059	0.065	0.077	0.098	0.133	0.161	0.5	0.076	0.038	0.042

Notes:

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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS4	0.034	0.052	0.042	0.043	0.061	0.071	0.068	0.064	0.060	0.067	0.5	0.059	0.030	0.031
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS4	0.047	0.065	0.054	0.066	0.090	0.105	0.095	0.082	0.080	0.085	0.5	0.082	0.041	0.041
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS4	0.043	0.050	0.045	0.056	0.070	0.075	0.063	0.044	0.042	0.056	0.5	0.058	0.029	0.030
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.04	BS4	0.024	0.029	0.026	0.040	0.059	0.060	0.050	0.035	0.028	0.033	0.5	0.040	0.020	0.021
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.01	BS4	0.034	0.041	0.032	0.045	0.059	0.062	0.052	0.038	0.032	0.047	0.5	0.045	0.022	0.025
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.05	BS5	0.015	0.010	0.011	0.012	0.015	0.027	0.032	0.028	0.032	0.048	0.5	0.024	0.012	0.013
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.07	BS5	0.006	0.003	0.006	0.016	0.026	0.039	0.047	0.048	0.065	0.104	0.5	0.039	0.019	0.019
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.07	BS5	0.004	0.005	0.006	0.008	0.022	0.028	0.042	0.047	0.058	0.068	0.5	0.031	0.015	0.016
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.04	BS5	0.003	0.004	0.006	0.013	0.024	0.042	0.053	0.056	0.055	0.065	0.5	0.033	0.017	0.018
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.01	BS5	0.004	0.006	0.007	0.013	0.020	0.032	0.042	0.047	0.057	0.072	0.5	0.030	0.015	0.017

Notes:

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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS1	0.030	0.020	0.030	0.060	0.090	0.140	0.230	0.310	0.340	0.320	0.5	0.165	0.082	0.086
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS1	0.030	0.020	0.030	0.040	0.070	0.130	0.190	0.250	0.300	0.330	0.5	0.149	0.074	0.074
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS1	0.010	0.010	0.020	0.060	0.120	0.230	0.330	0.370	0.410	0.400	0.5	0.210	0.105	0.107
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS1	0.020	0.040	0.070	0.100	0.150	0.210	0.260	0.290	0.310	0.300	0.5	0.180	0.090	0.097
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS1	0.030	0.060	0.100	0.130	0.180	0.200	0.220	0.270	0.350	0.400	0.5	0.194	0.097	0.108
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.050	0.060	0.080	0.130	0.180	0.220	0.250	0.340	0.410	0.400	0.5	0.206	0.103	0.104
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.055	0.077	0.114	0.138	0.165	0.163	0.188	0.176	0.234	0.311	0.5	0.154	0.077	0.077
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.030	0.030	0.060	0.090	0.110	0.120	0.150	0.220	0.290	0.320	0.5	0.132	0.066	0.068
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS2	0.034	0.038	0.046	0.060	0.077	0.122	0.170	0.209	0.231	0.237	0.5	0.129	0.064	0.067
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS2	0.034	0.031	0.036	0.052	0.078	0.123	0.171	0.221	0.254	0.262	0.5	0.135	0.068	0.068
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS2	0.034	0.030	0.041	0.044	0.055	0.086	0.128	0.184	0.223	0.213	0.5	0.111	0.056	0.056
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS2	0.042	0.049	0.068	0.070	0.081	0.107	0.145	0.198	0.144	0.291	0.5	0.123	0.062	0.067
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS2	0.027	0.022	0.028	0.040	0.071	0.116	0.190	0.276	0.317	0.321	0.5	0.141	0.070	0.078
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.031	0.033	0.032	0.039	0.068	0.113	0.171	0.178	0.230	0.195	0.5	0.106	0.053	0.053
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.024	0.022	0.026	0.035	0.065	0.110	0.155	0.196	0.147	0.118	0.5	0.085	0.043	0.043
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.016	0.017	0.019	0.026	0.047	0.076	0.113	0.149	0.169	0.196	0.5	0.077	0.039	0.040

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS3	0.051	0.056	0.043	0.072	0.083	0.071	0.088	0.123	0.156	0.161	0.5	0.095	0.047	0.050
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS3	0.054	0.058	0.051	0.078	0.074	0.063	0.074	0.107	0.141	0.150	0.5	0.091	0.045	0.045
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS3	0.051	0.057	0.056	0.066	0.050	0.044	0.056	0.080	0.121	0.172	0.5	0.081	0.040	0.041
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS3	0.034	0.035	0.047	0.065	0.068	0.083	0.103	0.119	0.132	0.149	0.5	0.086	0.043	0.046
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS3	0.033	0.036	0.054	0.065	0.058	0.075	0.097	0.125	0.157	0.164	0.5	0.086	0.043	0.048
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.031	0.034	0.051	0.062	0.067	0.079	0.092	0.111	0.133	0.149	0.5	0.078	0.039	0.040
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.052	0.061	0.083	0.089	0.082	0.090	0.113	0.164	0.229	0.258	0.5	0.116	0.058	0.058
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.030	0.035	0.045	0.054	0.052	0.059	0.076	0.092	0.110	0.113	0.5	0.062	0.031	0.032
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS4	0.038	0.057	0.045	0.050	0.067	0.081	0.080	0.074	0.068	0.073	0.5	0.066	0.033	0.035
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS4	0.054	0.070	0.045	0.052	0.082	0.097	0.092	0.083	0.082	0.088	0.5	0.080	0.040	0.040
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS4	0.047	0.055	0.051	0.066	0.078	0.081	0.065	0.044	0.038	0.053	0.5	0.062	0.031	0.031
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS4	0.043	0.047	0.043	0.068	0.093	0.107	0.104	0.090	0.094	0.120	0.5	0.083	0.042	0.045
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS4	0.053	0.062	0.053	0.059	0.071	0.077	0.065	0.057	0.073	0.113	0.5	0.068	0.034	0.038
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.051	0.062	0.054	0.056	0.068	0.069	0.061	0.059	0.073	0.107	0.5	0.064	0.032	0.032
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.060	0.061	0.037	0.043	0.058	0.054	0.045	0.033	0.041	0.070	0.5	0.048	0.024	0.024
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.031	0.026	0.016	0.032	0.042	0.043	0.044	0.045	0.073	0.123	0.5	0.044	0.022	0.023

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS5	0.012	0.008	0.009	0.010	0.016	0.027	0.032	0.030	0.032	0.043	0.5	0.023	0.011	0.012
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS5	0.006	0.005	0.008	0.012	0.023	0.030	0.039	0.044	0.064	0.098	0.5	0.035	0.018	0.018
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS5	0.005	0.004	0.006	0.011	0.023	0.030	0.037	0.041	0.047	0.062	0.5	0.028	0.014	0.014
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS5	0.004	0.005	0.009	0.015	0.022	0.030	0.041	0.052	0.064	0.081	0.5	0.033	0.017	0.018
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS5	0.004	0.006	0.010	0.021	0.038	0.053	0.065	0.077	0.092	0.120	0.5	0.049	0.024	0.027
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.005	0.006	0.011	0.021	0.032	0.051	0.059	0.060	0.064	0.078	0.5	0.038	0.019	0.019
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.016	0.020	0.028	0.032	0.049	0.067	0.076	0.070	0.067	0.095	0.5	0.049	0.025	0.025
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.005	0.006	0.008	0.016	0.023	0.032	0.038	0.033	0.030	0.038	0.5	0.021	0.011	0.011
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS1	0.032	0.023	0.022	0.041	0.062	0.113	0.189	0.274	0.313	0.290	0.5	0.143	0.071	0.074
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS1	0.046	0.034	0.044	0.066	0.094	0.147	0.192	0.303	0.361	0.134	0.5	0.152	0.076	0.076
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS1	0.017	0.011	0.025	0.042	0.085	0.160	0.245	0.149	0.335	0.348	0.5	0.152	0.076	0.077
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS1	0.014	0.024	0.047	0.066	0.098	0.144	0.166	0.235	0.245	0.103	0.5	0.118	0.059	0.064
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS1	0.034	0.047	0.072	0.092	0.131	0.172	0.229	0.294	0.360	0.352	0.5	0.178	0.089	0.099
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.056	0.060	0.096	0.134	0.181	0.220	0.262	0.324	0.360	0.338	0.5	0.197	0.099	0.099
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.049	0.052	0.085	0.112	0.146	0.171	0.196	0.291	0.384	0.426	0.5	0.178	0.089	0.092

Notes:

MPE calculations are defined in section 15.0

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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS2	0.040	0.040	0.040	0.050	0.060	0.090	0.150	0.180	0.210	0.220	0.5	0.113	0.057	0.059
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS2	0.030	0.030	0.030	0.060	0.090	0.130	0.180	0.240	0.280	0.300	0.5	0.147	0.073	0.073
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS2	0.040	0.040	0.040	0.050	0.070	0.110	0.160	0.230	0.290	0.290	0.5	0.141	0.071	0.072
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS2	0.040	0.040	0.060	0.060	0.070	0.100	0.130	0.190	0.250	0.280	0.5	0.126	0.063	0.068
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS2	0.020	0.020	0.020	0.020	0.040	0.090	0.160	0.240	0.290	0.300	0.5	0.120	0.060	0.067
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.040	0.040	0.040	0.060	0.100	0.150	0.190	0.210	0.310	0.280	0.5	0.138	0.069	0.069
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.020	0.020	0.020	0.030	0.080	0.120	0.160	0.200	0.220	0.250	0.5	0.104	0.052	0.054
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS3	0.050	0.050	0.040	0.060	0.060	0.060	0.090	0.130	0.140	0.150	0.5	0.087	0.044	0.045
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS3	0.040	0.040	0.050	0.080	0.080	0.070	0.090	0.110	0.150	0.160	0.5	0.093	0.047	0.047
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS3	0.050	0.050	0.050	0.070	0.050	0.050	0.080	0.110	0.160	0.200	0.5	0.093	0.047	0.047
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS3	0.030	0.030	0.040	0.050	0.060	0.080	0.120	0.120	0.130	0.150	0.5	0.083	0.042	0.045
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS3	0.020	0.020	0.040	0.050	0.050	0.070	0.080	0.100	0.120	0.150	0.5	0.070	0.035	0.039
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.020	0.040	0.060	0.070	0.070	0.090	0.100	0.130	0.160	0.180	0.5	0.089	0.045	0.045
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.040	0.050	0.060	0.060	0.050	0.050	0.080	0.120	0.120	0.140	0.5	0.072	0.036	0.037

Notes:

MPE calculations are defined in section 15.0
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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS4	0.036	0.054	0.038	0.040	0.059	0.067	0.072	0.067	0.068	0.079	0.5	0.061	0.030	0.032
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS4	0.051	0.068	0.050	0.061	0.090	0.103	0.097	0.090	0.086	0.088	0.5	0.084	0.042	0.042
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS4	0.044	0.059	0.055	0.071	0.086	0.088	0.073	0.043	0.042	0.059	0.5	0.066	0.033	0.034
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS4	0.029	0.035	0.031	0.046	0.062	0.073	0.065	0.055	0.051	0.062	0.5	0.052	0.026	0.028
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS4	0.039	0.046	0.033	0.038	0.050	0.052	0.047	0.041	0.052	0.082	0.5	0.048	0.024	0.027
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.046	0.057	0.051	0.053	0.063	0.060	0.050	0.048	0.057	0.090	0.5	0.056	0.028	0.028
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.032	0.028	0.016	0.030	0.043	0.051	0.053	0.061	0.091	0.146	0.5	0.051	0.026	0.027
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.05	BS5	0.011	0.005	0.007	0.008	0.015	0.026	0.031	0.028	0.031	0.042	0.5	0.021	0.011	0.011
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.07	BS5	0.007	0.006	0.007	0.013	0.023	0.039	0.043	0.050	0.071	0.120	0.5	0.041	0.020	0.020
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.07	BS5	0.005	0.004	0.005	0.009	0.023	0.036	0.041	0.048	0.053	0.072	0.5	0.032	0.016	0.016
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.03	BS5	0.002	0.005	0.007	0.010	0.017	0.027	0.034	0.044	0.057	0.069	0.5	0.028	0.014	0.015
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.00	BS5	0.004	0.005	0.009	0.018	0.033	0.047	0.057	0.066	0.078	0.106	0.5	0.042	0.021	0.024
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.008	0.009	0.013	0.017	0.036	0.053	0.065	0.067	0.069	0.091	0.5	0.042	0.021	0.021
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.007	0.009	0.013	0.021	0.030	0.041	0.047	0.040	0.035	0.051	0.5	0.027	0.014	0.014

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.011	0.006	0.005	0.004	0.003	0.026	0.098	0.240	0.379	0.373	0.5	0.111	0.056	0.056
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.015	0.014	0.015	0.013	0.020	0.054	0.128	0.279	0.432	0.179	0.5	0.109	0.055	0.055
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.012	0.008	0.010	0.014	0.029	0.080	0.167	0.335	0.488	0.487	0.5	0.152	0.076	0.078
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.000	0.000	0.000	0.000	0.000	0.030	0.100	0.230	0.340	0.370	0.5	0.104	0.052	0.052
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.000	0.000	0.000	0.010	0.030	0.030	0.090	0.190	0.300	0.330	0.5	0.093	0.047	0.047
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.000	0.000	0.000	0.010	0.030	0.070	0.140	0.250	0.330	0.360	0.5	0.111	0.055	0.057
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.001	0.001	0.003	0.008	0.024	0.050	0.083	0.123	0.163	0.146	0.5	0.058	0.029	0.029
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.005	0.004	0.003	0.007	0.020	0.051	0.112	0.211	0.312	0.182	0.5	0.086	0.043	0.043
	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.006	0.007	0.010	0.020	0.031	0.051	0.082	0.121	0.164	0.177	0.5	0.062	0.031	0.032
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.001	0.003	0.010	0.017	0.026	0.038	0.055	0.088	0.129	0.128	0.5	0.048	0.024	0.024
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.007	0.011	0.015	0.022	0.037	0.050	0.060	0.075	0.097	0.124	0.5	0.047	0.024	0.024
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.010	0.012	0.009	0.021	0.040	0.062	0.094	0.126	0.175	0.199	0.5	0.070	0.035	0.036

Notes:

MPE calculations are defined in section 15.0
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Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.003	0.006	0.014	0.025	0.034	0.043	0.049	0.064	0.092	0.136	0.5	0.045	0.023	0.023
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.006	0.010	0.018	0.024	0.033	0.047	0.069	0.089	0.128	0.171	0.5	0.057	0.028	0.028
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.003	0.003	0.005	0.017	0.030	0.047	0.056	0.065	0.081	0.110	0.5	0.039	0.019	0.020
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.010	0.010	0.010	0.020	0.040	0.070	0.100	0.110	0.5	0.038	0.019	0.019
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.010	0.010	0.010	0.010	0.030	0.060	0.120	0.160	0.170	0.5	0.056	0.028	0.028
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.010	0.010	0.010	0.020	0.030	0.040	0.050	0.060	0.5	0.023	0.012	0.012
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS2	0.003	0.006	0.007	0.015	0.035	0.079	0.158	0.211	0.298	0.259	0.5	0.104	0.052	0.052
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS2	0.002	0.003	0.005	0.010	0.018	0.046	0.098	0.161	0.206	0.139	0.5	0.065	0.033	0.033
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS2	0.001	0.002	0.003	0.005	0.023	0.055	0.102	0.153	0.192	0.202	0.5	0.069	0.034	0.036
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS3	0.010	0.015	0.024	0.036	0.057	0.081	0.106	0.136	0.161	0.174	0.5	0.078	0.039	0.039
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS3	0.009	0.013	0.020	0.027	0.035	0.053	0.087	0.152	0.204	0.208	0.5	0.077	0.038	0.038
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS3	0.005	0.006	0.010	0.019	0.025	0.035	0.054	0.072	0.087	0.094	0.5	0.038	0.019	0.020

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS4	0.010	0.011	0.012	0.016	0.022	0.032	0.041	0.055	0.082	0.104	0.5	0.037	0.019	0.019
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS4	0.019	0.026	0.025	0.031	0.039	0.042	0.040	0.041	0.053	0.076	0.5	0.037	0.019	0.019
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS4	0.011	0.012	0.010	0.016	0.023	0.039	0.053	0.054	0.081	0.107	0.5	0.038	0.019	0.020
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS5	0.011	0.015	0.023	0.035	0.065	0.086	0.094	0.095	0.101	0.109	0.5	0.061	0.031	0.031
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS5	0.006	0.016	0.022	0.029	0.039	0.055	0.063	0.058	0.066	0.098	0.5	0.043	0.021	0.021
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS5	0.003	0.004	0.005	0.016	0.025	0.033	0.036	0.037	0.038	0.051	0.5	0.023	0.012	0.012
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.020	0.020	0.030	0.040	0.050	0.060	0.080	0.090	0.5	0.040	0.020	0.020
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.020	0.030	0.030	0.040	0.050	0.060	0.080	0.090	0.120	0.5	0.050	0.025	0.025
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.050	0.090	0.100	0.5	0.036	0.018	0.019
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.032	0.034	0.030	0.036	0.060	0.109	0.180	0.190	0.254	0.231	0.5	0.112	0.056	0.057
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.019	0.014	0.019	0.028	0.048	0.078	0.108	0.135	0.150	0.118	0.5	0.068	0.034	0.034
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.019	0.015	0.015	0.028	0.059	0.101	0.154	0.192	0.232	0.272	0.5	0.101	0.051	0.052

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.020	0.030	0.030	0.5	0.014	0.007	0.007
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.010	0.020	0.020	0.020	0.020	0.020	0.030	0.050	0.070	0.080	0.5	0.032	0.016	0.016
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.5	0.014	0.007	0.007
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.043	0.050	0.042	0.045	0.057	0.059	0.050	0.045	0.058	0.086	0.5	0.052	0.026	0.026
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.038	0.042	0.032	0.035	0.044	0.037	0.027	0.020	0.023	0.042	0.5	0.032	0.016	0.016
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.028	0.023	0.013	0.026	0.027	0.030	0.033	0.041	0.067	0.098	0.5	0.036	0.018	0.019
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.000	0.000	0.010	0.010	0.030	0.050	0.060	0.070	0.070	0.090	0.5	0.038	0.019	0.019
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.000	0.010	0.010	0.020	0.030	0.040	0.050	0.040	0.030	0.050	0.5	0.027	0.013	0.013
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.000	0.000	0.010	0.010	0.020	0.030	0.030	0.030	0.020	0.030	0.5	0.017	0.008	0.009
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.020	0.030	0.040	0.050	0.070	0.080	0.110	0.120	0.5	0.052	0.026	0.026
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.020	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.110	0.5	0.049	0.025	0.025
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.020	0.030	0.040	0.050	0.050	0.070	0.120	0.130	0.5	0.049	0.025	0.025

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.000	0.000	0.010	0.010	0.020	0.030	0.050	0.070	0.070	0.060	0.5	0.031	0.016	0.016
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.000	0.000	0.000	0.010	0.010	0.020	0.040	0.040	0.050	0.060	0.5	0.022	0.011	0.011
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.000	0.000	0.000	0.010	0.010	0.020	0.040	0.050	0.050	0.060	0.5	0.022	0.011	0.012
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.035	0.039	0.058	0.071	0.076	0.092	0.106	0.123	0.149	0.174	0.5	0.090	0.045	0.045
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.050	0.056	0.071	0.069	0.067	0.075	0.099	0.159	0.226	0.136	0.5	0.096	0.048	0.048
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.044	0.047	0.065	0.080	0.075	0.081	0.095	0.118	0.140	0.165	0.5	0.085	0.042	0.044
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.047	0.053	0.045	0.051	0.064	0.066	0.058	0.053	0.067	0.098	0.5	0.058	0.029	0.029
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.049	0.056	0.042	0.051	0.065	0.053	0.041	0.030	0.033	0.060	0.5	0.046	0.023	0.023
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.036	0.029	0.019	0.034	0.043	0.047	0.050	0.062	0.093	0.143	0.5	0.052	0.026	0.027
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.000	0.000	0.010	0.010	0.030	0.060	0.070	0.080	0.080	0.100	0.5	0.043	0.021	0.022
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.000	0.010	0.020	0.030	0.040	0.060	0.060	0.050	0.040	0.070	0.5	0.036	0.018	0.018
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.000	0.010	0.010	0.020	0.030	0.040	0.040	0.030	0.030	0.050	0.5	0.024	0.012	0.013

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.060	0.070	0.5	0.028	0.014	0.014
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.020	0.020	0.030	0.040	0.040	0.050	0.070	0.090	0.110	0.5	0.046	0.023	0.023
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.020	0.030	0.030	0.040	0.050	0.070	0.090	0.140	0.5	0.046	0.023	0.024
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.031	0.029	0.025	0.029	0.051	0.092	0.152	0.211	0.228	0.206	0.5	0.102	0.051	0.052
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.019	0.014	0.018	0.027	0.045	0.074	0.108	0.137	0.163	0.121	0.5	0.069	0.034	0.034
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.017	0.011	0.012	0.022	0.049	0.083	0.126	0.017	0.199	0.235	0.5	0.072	0.036	0.037
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.032	0.036	0.051	0.057	0.061	0.076	0.094	0.114	0.130	0.151	0.5	0.078	0.039	0.039
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.039	0.045	0.058	0.054	0.049	0.054	0.072	0.119	0.179	0.197	0.5	0.082	0.041	0.041
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.047	0.048	0.059	0.069	0.057	0.064	0.082	0.111	0.130	0.153	0.5	0.076	0.038	0.039
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.043	0.050	0.041	0.042	0.054	0.057	0.046	0.043	0.054	0.081	0.5	0.050	0.025	0.025
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.046	0.050	0.036	0.042	0.048	0.041	0.030	0.021	0.025	0.045	0.5	0.036	0.018	0.018
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.035	0.027	0.017	0.031	0.036	0.038	0.040	0.054	0.083	0.107	0.5	0.044	0.022	0.023

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.1 (Continued)

UHF R1 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.003	0.008	0.009	0.016	0.031	0.043	0.059	0.063	0.069	0.084	0.5	0.037	0.019	0.019
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.006	0.013	0.015	0.021	0.030	0.043	0.049	0.042	0.040	0.057	0.5	0.030	0.015	0.015
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.007	0.008	0.013	0.022	0.037	0.049	0.048	0.040	0.035	0.046	0.5	0.028	0.014	0.015

Notes:

MPE calculations are defined in section 15.0
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Table K.2

UHF R1 band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.00	PB	0.209	0.099	0.353	0.5	0.220	0.11	0.11
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.00	PB	0.229	0.083	0.312	0.5	0.208	0.10	0.10
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.01	PB	0.166	0.242	0.220	0.5	0.211	0.11	0.11
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.02	PB	0.095	0.161	0.108	0.5	0.124	0.06	0.07
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.03	PB	0.127	0.164	0.203	0.5	0.170	0.08	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.117	0.147	0.276	0.5	0.187	0.09	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.063	0.142	0.208	0.5	0.146	0.07	0.08
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.00	PB	0.198	0.099	0.316	0.5	0.204	0.10	0.11
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.00	PB	0.246	0.080	0.337	0.5	0.221	0.11	0.11
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.01	PB	0.186	0.278	0.254	0.5	0.242	0.12	0.12
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.02	PB	0.100	0.197	0.067	0.5	0.124	0.06	0.07
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.03	PB	0.149	0.179	0.123	0.5	0.155	0.08	0.09

Notes:

MPE calculations are defined in section 15.0
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Table K.2 (Continued)

UHF R1 band - 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	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.00	PB	0.030	0.019	0.028	0.5	0.026	0.01	0.01
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.00	PB	0.081	0.029	0.063	0.5	0.058	0.03	0.03
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.01	PB	0.049	0.055	0.072	0.5	0.059	0.03	0.03
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.02	PB	0.042	0.050	0.040	0.5	0.045	0.02	0.02
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.03	PB	0.049	0.038	0.054	0.5	0.048	0.02	0.03
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.03	PB	0.289	0.135	0.419	0.5	0.289	0.14	0.15
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.03	PB	0.284	0.117	0.459	0.5	0.295	0.15	0.15
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.02	PB	0.125	0.120	0.174	0.5	0.142	0.07	0.07
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.02	PB	0.104	0.118	0.146	0.5	0.125	0.06	0.07
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.02	PB	0.046	0.077	0.067	0.5	0.065	0.03	0.04

Notes:

MPE calculations are defined in section 15.0
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Table K.2 (Continued)

UHF R1 band - 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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.00	PB	0.198	0.076	0.288	0.5	0.187	0.09	0.10
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.00	PB	0.248	0.081	0.337	0.5	0.222	0.11	0.11
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.01	PB	0.177	0.257	0.249	0.5	0.230	0.11	0.12
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.02	PB	0.096	0.173	0.068	0.5	0.115	0.06	0.06
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.03	PB	0.220	0.134	0.166	0.5	0.179	0.09	0.10
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.126	0.197	0.313	0.5	0.220	0.11	0.11
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	PB	0.073	0.081	0.124	0.5	0.097	0.05	0.05
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.067	0.064	0.168	0.5	0.106	0.05	0.05
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.00	PB	0.237	0.098	0.367	0.5	0.234	0.12	0.12
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.00	PB	0.253	0.087	0.349	0.5	0.230	0.11	0.11
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.01	PB	0.170	0.234	0.237	0.5	0.216	0.11	0.11
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.02	PB	0.106	0.205	0.074	0.5	0.131	0.07	0.07
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.03	PB	0.211	0.149	0.185	0.5	0.187	0.09	0.10
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.124	0.169	0.308	0.5	0.208	0.10	0.11
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.082	0.125	0.195	0.5	0.142	0.07	0.07

Notes:

MPE calculations are defined in section 15.0
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Table K.2 (Continued)

UHF R1 band - 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	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	1.02	PB	0.020	0.024	0.040	0.5	0.029	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	1.02	PB	0.018	0.012	0.039	0.5	0.023	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	1.02	PB	0.028	0.045	0.088	0.5	0.055	0.03	0.03
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	1.04	PB	0.028	0.045	0.073	0.5	0.051	0.03	0.03
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	1.05	PB	0.012	0.023	0.050	0.5	0.030	0.01	0.01
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	1.06	PB	0.024	0.050	0.098	0.5	0.061	0.03	0.03
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	PB	0.029	0.037	0.042	0.5	0.037	0.02	0.02
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	1.02	PB	0.020	0.042	0.065	0.5	0.043	0.02	0.02
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	PB	0.015	0.036	0.052	0.5	0.035	0.02	0.02
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.095	0.183	0.276	0.5	0.192	0.10	0.10
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	PB	0.112	0.093	0.184	0.5	0.136	0.07	0.07
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.074	0.125	0.197	0.5	0.140	0.07	0.07

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.2 (Continued)

UHF R1 band - 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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.098	0.153	0.180	0.5	0.149	0.07	0.08
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	1.05	PB	0.136	0.116	0.137	0.5	0.136	0.07	0.07
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.061	0.103	0.249	0.5	0.146	0.07	0.08
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	380.0125	120.0	115.0	CW	E	1.00	PF	0.138	0.084	0.070	0.5	0.097	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.00	PF	0.128	0.106	0.069	0.5	0.101	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.01	PF	0.066	0.046	0.081	0.5	0.065	0.03	0.03
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.02	PF	0.092	0.059	0.075	0.5	0.077	0.04	0.04
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.03	PF	0.094	0.047	0.077	0.5	0.075	0.04	0.04
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.092	0.159	0.089	0.5	0.118	0.06	0.06
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.055	0.049	0.092	0.5	0.069	0.03	0.04
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.00	PF	0.078	0.073	0.061	0.5	0.071	0.04	0.04
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.00	PF	0.172	0.169	0.092	0.5	0.144	0.07	0.07
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.01	PF	0.064	0.041	0.086	0.5	0.064	0.03	0.03
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.02	PF	0.109	0.052	0.084	0.5	0.083	0.04	0.04
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.03	PF	0.105	0.071	0.129	0.5	0.105	0.05	0.06

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.2 (Continued)

UHF R1 band - 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	HAE6011A, 5/8 Wave (380-433MHz)	7.15	380.0125	120.0	115.0	CW	E	1.00	PF	0.009	0.019	0.015	0.5	0.014	0.01	0.01
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.00	PF	0.023	0.060	0.037	0.5	0.040	0.02	0.02
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.01	PF	0.020	0.024	0.026	0.5	0.024	0.01	0.01
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.02	PF	0.050	0.020	0.032	0.5	0.035	0.02	0.02
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.03	PF	0.029	0.023	0.057	0.5	0.037	0.02	0.02
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.03	PF	0.038	0.018	0.023	0.5	0.027	0.01	0.01
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.03	PF	0.046	0.022	0.017	0.5	0.029	0.01	0.01
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.02	PF	0.015	0.017	0.014	0.5	0.016	0.01	0.01
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.02	PF	0.035	0.033	0.026	0.5	0.032	0.02	0.02
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.02	PF	0.033	0.013	0.033	0.5	0.027	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table K.2 (Continued)

UHF R1 band - 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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.00	PF	0.069	0.080	0.059	0.5	0.069	0.03	0.04
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.00	PF	0.142	0.144	0.085	0.5	0.124	0.06	0.06
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.01	PF	0.061	0.059	0.065	0.5	0.062	0.03	0.03
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.02	PF	0.078	0.051	0.080	0.5	0.071	0.04	0.04
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.03	PF	0.076	0.061	0.142	0.5	0.096	0.05	0.05
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.058	0.112	0.085	0.5	0.088	0.04	0.04
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	PF	0.035	0.052	0.048	0.5	0.047	0.02	0.02
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.053	0.024	0.129	0.5	0.073	0.04	0.04
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.00	PF	0.093	0.104	0.074	0.5	0.090	0.05	0.05
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.00	PF	0.110	0.141	0.074	0.5	0.108	0.05	0.05
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.01	PF	0.064	0.059	0.054	0.5	0.060	0.03	0.03
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.02	PF	0.100	0.101	0.147	0.5	0.118	0.06	0.06
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.03	PF	0.084	0.059	0.154	0.5	0.102	0.05	0.06
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.080	0.161	0.131	0.5	0.129	0.06	0.07
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.062	0.049	0.163	0.5	0.097	0.05	0.05

Notes:

MPE calculations are defined in section 15.0
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Table K.2 (Continued)

UHF R1 band - 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	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	1.02	PF	0.019	0.034	0.013	0.5	0.022	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	1.02	PF	0.020	0.027	0.016	0.5	0.021	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	1.02	PF	0.007	0.006	0.002	0.5	0.005	0.00	0.00
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	1.04	PF	0.016	0.020	0.018	0.5	0.019	0.01	0.01
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	1.05	PF	0.013	0.013	0.017	0.5	0.015	0.01	0.01
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	1.06	PF	0.019	0.012	0.030	0.5	0.022	0.01	0.01
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	PF	0.022	0.038	0.025	0.5	0.029	0.01	0.01
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	1.02	PF	0.032	0.034	0.032	0.5	0.033	0.02	0.02
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	PF	0.011	0.009	0.019	0.5	0.013	0.01	0.01
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.106	0.096	0.133	0.5	0.116	0.06	0.06
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	PF	0.039	0.093	0.097	0.5	0.080	0.04	0.04
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.064	0.046	0.113	0.5	0.079	0.04	0.04

Notes:

MPE calculations are defined in section 15.0
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Table K.2 (Continued)

UHF R1 band - 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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.087	0.186	0.115	0.5	0.135	0.07	0.07
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	1.05	PF	0.062	0.085	0.093	0.5	0.084	0.04	0.04
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.089	0.033	0.066	0.5	0.066	0.03	0.03

Notes:

MPE calculations are defined in section 15.0
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Appendix L – MPE Measurement Results for LMR UHF R2

Table L.1

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.060	0.060	0.110	0.140	0.170	0.140	0.120	0.110	0.140	0.210	0.5	0.122	0.061	0.062
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.060	0.070	0.100	0.110	0.100	0.090	0.080	0.070	0.110	0.170	0.5	0.089	0.045	0.046
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS1	0.060	0.070	0.090	0.100	0.110	0.100	0.100	0.120	0.180	0.190	0.5	0.101	0.050	0.051
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS1	0.010	0.020	0.030	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.5	0.030	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS1	0.020	0.030	0.040	0.040	0.050	0.050	0.040	0.040	0.030	0.050	0.5	0.034	0.017	0.017
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	0.86	BS1	0.011	0.014	0.018	0.026	0.027	0.023	0.021	0.020	0.019	0.016	0.5	0.017	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.034	0.028	0.026	0.028	0.042	0.065	0.091	0.113	0.121	0.113	0.5	0.064	0.032	0.032
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.023	0.016	0.022	0.027	0.043	0.060	0.075	0.071	0.067	0.097	0.5	0.047	0.023	0.024
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS2	0.020	0.010	0.030	0.040	0.060	0.090	0.110	0.100	0.090	0.110	0.5	0.059	0.030	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS2	0.000	0.000	0.010	0.020	0.030	0.030	0.040	0.050	0.040	0.040	0.5	0.023	0.011	0.011
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS2	0.010	0.010	0.020	0.020	0.040	0.060	0.060	0.050	0.040	0.050	0.5	0.031	0.015	0.016
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	0.86	BS2	0.000	0.000	0.010	0.020	0.030	0.030	0.030	0.020	0.020	0.020	0.5	0.015	0.008	0.008

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.038	0.045	0.059	0.056	0.046	0.040	0.039	0.049	0.058	0.065	0.5	0.048	0.024	0.024
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.042	0.039	0.046	0.045	0.038	0.041	0.048	0.055	0.054	0.056	0.5	0.043	0.022	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS3	0.050	0.050	0.060	0.060	0.060	0.060	0.060	0.070	0.090	0.100	0.5	0.059	0.030	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS3	0.010	0.010	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.030	0.5	0.017	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS3	0.020	0.020	0.030	0.030	0.030	0.030	0.020	0.020	0.010	0.020	0.5	0.020	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	0.86	BS3	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.5	0.009	0.004	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.037	0.039	0.031	0.032	0.037	0.033	0.026	0.015	0.018	0.027	0.5	0.029	0.014	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.023	0.022	0.015	0.025	0.024	0.019	0.012	0.013	0.020	0.036	0.5	0.019	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS4	0.026	0.025	0.029	0.044	0.046	0.031	0.015	0.011	0.017	0.033	0.5	0.025	0.012	0.013
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS4	0.010	0.009	0.010	0.016	0.022	0.020	0.015	0.008	0.006	0.012	0.5	0.011	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS4	0.014	0.010	0.013	0.021	0.019	0.013	0.007	0.006	0.028	0.016	0.5	0.013	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	0.86	BS4	0.004	0.002	0.003	0.006	0.009	0.008	0.006	0.005	0.004	0.006	0.5	0.005	0.002	0.002

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.002	0.003	0.005	0.008	0.017	0.023	0.026	0.021	0.018	0.023	0.5	0.014	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.006	0.004	0.009	0.015	0.025	0.029	0.025	0.018	0.011	0.013	0.5	0.014	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS5	0.003	0.004	0.009	0.014	0.029	0.028	0.022	0.012	0.010	0.020	0.5	0.014	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS5	0.001	0.002	0.004	0.008	0.012	0.015	0.012	0.006	0.003	0.007	0.5	0.006	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS5	0.001	0.004	0.006	0.014	0.018	0.017	0.012	0.006	0.005	0.009	0.5	0.008	0.004	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	0.86	BS5	0.001	0.002	0.004	0.008	0.010	0.009	0.006	0.003	0.004	0.008	0.5	0.005	0.002	0.002
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.050	0.060	0.080	0.130	0.180	0.220	0.250	0.340	0.410	0.400	0.5	0.206	0.103	0.104
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.055	0.077	0.114	0.138	0.165	0.163	0.188	0.176	0.234	0.311	0.5	0.154	0.077	0.077
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.030	0.030	0.060	0.090	0.110	0.120	0.150	0.220	0.290	0.320	0.5	0.132	0.066	0.068
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.031	0.033	0.032	0.039	0.068	0.113	0.171	0.178	0.230	0.195	0.5	0.106	0.053	0.053
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.024	0.022	0.026	0.035	0.065	0.110	0.155	0.196	0.147	0.118	0.5	0.085	0.043	0.043
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.016	0.017	0.019	0.026	0.047	0.076	0.113	0.149	0.169	0.196	0.5	0.077	0.039	0.040

Notes:

MPE calculations are defined in section 15.0

Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.031	0.034	0.051	0.062	0.067	0.079	0.092	0.111	0.133	0.149	0.5	0.078	0.039	0.040
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.052	0.061	0.083	0.089	0.082	0.090	0.113	0.164	0.229	0.258	0.5	0.116	0.058	0.058
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.030	0.035	0.045	0.054	0.052	0.059	0.076	0.092	0.110	0.113	0.5	0.062	0.031	0.032
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.051	0.062	0.054	0.056	0.068	0.069	0.061	0.059	0.073	0.107	0.5	0.064	0.032	0.032
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.060	0.061	0.037	0.043	0.058	0.054	0.045	0.033	0.041	0.070	0.5	0.048	0.024	0.024
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.031	0.026	0.016	0.032	0.042	0.043	0.044	0.045	0.073	0.123	0.5	0.044	0.022	0.023
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.005	0.006	0.011	0.021	0.032	0.051	0.059	0.060	0.064	0.078	0.5	0.038	0.019	0.019
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.016	0.020	0.028	0.032	0.049	0.067	0.076	0.070	0.067	0.095	0.5	0.049	0.025	0.025
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.005	0.006	0.008	0.016	0.023	0.032	0.038	0.033	0.030	0.038	0.5	0.021	0.011	0.011

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.056	0.060	0.096	0.134	0.181	0.220	0.262	0.324	0.360	0.338	0.5	0.197	0.099	0.099
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.049	0.052	0.085	0.112	0.146	0.171	0.196	0.291	0.384	0.426	0.5	0.178	0.089	0.092
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS1	0.050	0.070	0.090	0.100	0.140	0.170	0.250	0.380	0.480	0.450	0.5	0.196	0.098	0.100
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS1	0.010	0.020	0.030	0.040	0.050	0.070	0.100	0.130	0.150	0.120	0.5	0.063	0.031	0.032
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS1	0.020	0.030	0.030	0.030	0.040	0.060	0.070	0.090	0.110	0.110	0.5	0.051	0.025	0.025
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS1	0.010	0.010	0.020	0.030	0.030	0.040	0.050	0.070	0.080	0.070	0.5	0.035	0.018	0.018
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.040	0.040	0.040	0.060	0.100	0.150	0.190	0.210	0.310	0.280	0.5	0.138	0.069	0.069
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.020	0.020	0.020	0.030	0.080	0.120	0.160	0.200	0.220	0.250	0.5	0.104	0.052	0.054
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS2	0.020	0.020	0.030	0.040	0.070	0.120	0.190	0.240	0.280	0.290	0.5	0.117	0.059	0.059
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS2	0.000	0.000	0.010	0.010	0.030	0.050	0.090	0.140	0.150	0.013	0.5	0.043	0.021	0.022
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS2	0.000	0.000	0.010	0.020	0.040	0.060	0.080	0.100	0.110	0.110	0.5	0.046	0.023	0.023
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS2	0.000	0.000	0.010	0.010	0.030	0.040	0.050	0.060	0.060	0.060	0.5	0.028	0.014	0.014

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.020	0.040	0.060	0.070	0.070	0.090	0.100	0.130	0.160	0.180	0.5	0.089	0.045	0.045
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.040	0.050	0.060	0.060	0.050	0.050	0.080	0.120	0.120	0.140	0.5	0.072	0.036	0.037
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS3	0.040	0.040	0.060	0.070	0.080	0.100	0.130	0.180	0.220	0.240	0.5	0.104	0.052	0.053
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS3	0.010	0.010	0.020	0.020	0.030	0.030	0.040	0.050	0.060	0.060	0.5	0.029	0.014	0.015
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS3	0.010	0.020	0.030	0.030	0.030	0.030	0.030	0.040	0.040	0.040	0.5	0.026	0.013	0.013
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS3	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.050	0.050	0.5	0.022	0.011	0.011
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.046	0.057	0.051	0.053	0.063	0.060	0.050	0.048	0.057	0.090	0.5	0.056	0.028	0.028
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.032	0.028	0.016	0.030	0.043	0.051	0.053	0.061	0.091	0.146	0.5	0.051	0.026	0.027
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS4	0.030	0.030	0.040	0.060	0.070	0.060	0.050	0.050	0.070	0.110	0.5	0.051	0.026	0.026
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS4	0.010	0.010	0.010	0.020	0.040	0.040	0.030	0.030	0.030	0.060	0.5	0.024	0.012	0.012
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS4	0.010	0.010	0.010	0.020	0.020	0.010	0.010	0.010	0.020	0.050	0.5	0.015	0.007	0.007
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS4	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.5	0.007	0.003	0.003

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.008	0.009	0.013	0.017	0.036	0.053	0.065	0.067	0.069	0.091	0.5	0.042	0.021	0.021
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.007	0.009	0.013	0.021	0.030	0.041	0.047	0.040	0.035	0.051	0.5	0.027	0.014	0.014
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS5	0.000	0.000	0.010	0.020	0.030	0.040	0.040	0.030	0.040	0.060	0.5	0.024	0.012	0.012
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS5	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.010	0.020	0.030	0.5	0.010	0.005	0.005
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS5	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.010	0.010	0.030	0.5	0.008	0.004	0.004
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS5	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.010	0.030	0.5	0.007	0.003	0.003
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.011	0.006	0.005	0.004	0.003	0.026	0.098	0.240	0.379	0.373	0.5	0.111	0.056	0.056
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.015	0.014	0.015	0.013	0.020	0.054	0.128	0.279	0.432	0.179	0.5	0.109	0.055	0.055
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.012	0.008	0.010	0.014	0.029	0.080	0.167	0.335	0.488	0.487	0.5	0.152	0.076	0.078
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.000	0.000	0.000	0.000	0.000	0.030	0.100	0.230	0.340	0.370	0.5	0.104	0.052	0.052
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.000	0.000	0.000	0.010	0.030	0.030	0.090	0.190	0.300	0.330	0.5	0.093	0.047	0.047
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.000	0.000	0.000	0.010	0.030	0.070	0.140	0.250	0.330	0.360	0.5	0.111	0.055	0.057

Notes:

MPE calculations are defined in section 15.0

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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.001	0.001	0.003	0.008	0.024	0.050	0.083	0.123	0.163	0.146	0.5	0.058	0.029	0.029
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.005	0.004	0.003	0.007	0.020	0.051	0.112	0.211	0.312	0.182	0.5	0.086	0.043	0.043
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.006	0.007	0.010	0.020	0.031	0.051	0.082	0.121	0.164	0.177	0.5	0.062	0.031	0.032
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.001	0.003	0.010	0.017	0.026	0.038	0.055	0.088	0.129	0.128	0.5	0.048	0.024	0.024
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.007	0.011	0.015	0.022	0.037	0.050	0.060	0.075	0.097	0.124	0.5	0.047	0.024	0.024
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.010	0.012	0.009	0.021	0.040	0.062	0.094	0.126	0.175	0.199	0.5	0.070	0.035	0.036
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.003	0.006	0.014	0.025	0.034	0.043	0.049	0.064	0.092	0.136	0.5	0.045	0.023	0.023
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.006	0.010	0.018	0.024	0.033	0.047	0.069	0.089	0.128	0.171	0.5	0.057	0.028	0.028
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.003	0.003	0.005	0.017	0.030	0.047	0.056	0.065	0.081	0.110	0.5	0.039	0.019	0.020
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.010	0.010	0.010	0.020	0.040	0.070	0.100	0.110	0.5	0.038	0.019	0.019
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.010	0.010	0.010	0.010	0.030	0.060	0.120	0.160	0.170	0.5	0.056	0.028	0.028
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.010	0.010	0.010	0.020	0.030	0.040	0.050	0.060	0.5	0.023	0.012	0.012

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS2	0.003	0.006	0.007	0.015	0.035	0.079	0.158	0.211	0.298	0.259	0.5	0.104	0.052	0.052
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS2	0.002	0.003	0.005	0.010	0.018	0.046	0.098	0.161	0.206	0.139	0.5	0.065	0.033	0.033
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS2	0.001	0.002	0.003	0.005	0.023	0.055	0.102	0.153	0.192	0.202	0.5	0.069	0.034	0.036
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS3	0.010	0.015	0.024	0.036	0.057	0.081	0.106	0.136	0.161	0.174	0.5	0.078	0.039	0.039
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS3	0.009	0.013	0.020	0.027	0.035	0.053	0.087	0.152	0.204	0.208	0.5	0.077	0.038	0.038
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS3	0.005	0.006	0.010	0.019	0.025	0.035	0.054	0.072	0.087	0.094	0.5	0.038	0.019	0.020
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS4	0.010	0.011	0.012	0.016	0.022	0.032	0.041	0.055	0.082	0.104	0.5	0.037	0.019	0.019
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS4	0.019	0.026	0.025	0.031	0.039	0.042	0.040	0.041	0.053	0.076	0.5	0.037	0.019	0.019
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS4	0.011	0.012	0.010	0.016	0.023	0.039	0.053	0.054	0.081	0.107	0.5	0.038	0.019	0.020
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	0.97	BS5	0.011	0.015	0.023	0.035	0.065	0.086	0.094	0.095	0.101	0.109	0.5	0.061	0.031	0.031
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	0.95	BS5	0.006	0.016	0.022	0.029	0.039	0.055	0.063	0.058	0.066	0.098	0.5	0.043	0.021	0.021
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	0.93	BS5	0.003	0.004	0.005	0.016	0.025	0.033	0.036	0.037	0.038	0.051	0.5	0.023	0.012	0.012

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.020	0.020	0.030	0.040	0.050	0.060	0.080	0.090	0.5	0.040	0.020	0.020
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.020	0.030	0.030	0.040	0.050	0.060	0.080	0.090	0.120	0.5	0.050	0.025	0.025
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.050	0.090	0.100	0.5	0.036	0.018	0.019
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.032	0.034	0.030	0.036	0.060	0.109	0.180	0.190	0.254	0.231	0.5	0.112	0.056	0.057
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.019	0.014	0.019	0.028	0.048	0.078	0.108	0.135	0.150	0.118	0.5	0.068	0.034	0.034
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.019	0.015	0.015	0.028	0.059	0.101	0.154	0.192	0.232	0.272	0.5	0.101	0.051	0.052
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.020	0.030	0.030	0.5	0.014	0.007	0.007
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.010	0.020	0.020	0.020	0.020	0.020	0.030	0.050	0.070	0.080	0.5	0.032	0.016	0.016
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.010	0.010	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.5	0.014	0.007	0.007
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.043	0.050	0.042	0.045	0.057	0.059	0.050	0.045	0.058	0.086	0.5	0.052	0.026	0.026
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.038	0.042	0.032	0.035	0.044	0.037	0.027	0.020	0.023	0.042	0.5	0.032	0.016	0.016
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.028	0.023	0.013	0.026	0.027	0.030	0.033	0.041	0.067	0.098	0.5	0.036	0.018	0.019

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.000	0.000	0.010	0.010	0.030	0.050	0.060	0.070	0.070	0.090	0.5	0.038	0.019	0.019
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.000	0.010	0.010	0.020	0.030	0.040	0.050	0.040	0.030	0.050	0.5	0.027	0.013	0.013
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.000	0.000	0.010	0.010	0.020	0.030	0.030	0.030	0.020	0.030	0.5	0.017	0.008	0.009
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.020	0.030	0.040	0.050	0.070	0.080	0.110	0.120	0.5	0.052	0.026	0.026
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.020	0.020	0.030	0.040	0.050	0.060	0.080	0.100	0.110	0.5	0.049	0.025	0.025
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.020	0.030	0.040	0.050	0.050	0.070	0.120	0.130	0.5	0.049	0.025	0.025
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS1	0.050	0.060	0.080	0.090	0.130	0.170	0.240	0.370	0.470	0.440	0.5	0.189	0.095	0.096
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS1	0.010	0.020	0.030	0.040	0.050	0.060	0.090	0.120	0.140	0.120	0.5	0.059	0.030	0.030
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS1	0.020	0.030	0.030	0.040	0.050	0.060	0.080	0.100	0.120	0.130	0.5	0.057	0.028	0.028
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS1	0.010	0.010	0.020	0.030	0.030	0.030	0.040	0.060	0.070	0.060	0.5	0.031	0.015	0.016

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.000	0.000	0.010	0.010	0.020	0.030	0.050	0.070	0.070	0.060	0.5	0.031	0.016	0.016
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.000	0.000	0.000	0.010	0.010	0.020	0.040	0.040	0.050	0.060	0.5	0.022	0.011	0.011
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.000	0.000	0.000	0.010	0.010	0.020	0.040	0.050	0.050	0.060	0.5	0.022	0.011	0.012
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS2	0.020	0.020	0.030	0.040	0.070	0.120	0.190	0.240	0.280	0.290	0.5	0.117	0.059	0.059
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS2	0.000	0.000	0.010	0.010	0.030	0.050	0.090	0.130	0.150	0.130	0.5	0.052	0.026	0.026
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS2	0.000	0.010	0.010	0.020	0.040	0.070	0.090	0.110	0.130	0.130	0.5	0.052	0.026	0.026
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS2	0.000	0.000	0.010	0.010	0.020	0.030	0.040	0.050	0.050	0.050	0.5	0.022	0.011	0.011
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.035	0.039	0.058	0.071	0.076	0.092	0.106	0.123	0.149	0.174	0.5	0.090	0.045	0.045
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.050	0.056	0.071	0.069	0.067	0.075	0.099	0.159	0.226	0.136	0.5	0.096	0.048	0.048
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.044	0.047	0.065	0.080	0.075	0.081	0.095	0.118	0.140	0.165	0.5	0.085	0.042	0.044
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS3	0.040	0.040	0.060	0.070	0.080	0.100	0.130	0.180	0.220	0.230	0.5	0.104	0.052	0.053
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS3	0.010	0.010	0.020	0.020	0.030	0.030	0.030	0.050	0.060	0.060	0.5	0.028	0.014	0.014
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS3	0.010	0.020	0.030	0.030	0.030	0.030	0.040	0.040	0.050	0.050	0.5	0.028	0.014	0.014
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS3	0.010	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.040	0.5	0.018	0.009	0.009

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.047	0.053	0.045	0.051	0.064	0.066	0.058	0.053	0.067	0.098	0.5	0.058	0.029	0.029
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.049	0.056	0.042	0.051	0.065	0.053	0.041	0.030	0.033	0.060	0.5	0.046	0.023	0.023
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.036	0.029	0.019	0.034	0.043	0.047	0.050	0.062	0.093	0.143	0.5	0.052	0.026	0.027
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS4	0.030	0.030	0.040	0.060	0.070	0.050	0.040	0.040	0.070	0.110	0.5	0.049	0.024	0.025
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS4	0.010	0.010	0.010	0.020	0.030	0.040	0.030	0.020	0.030	0.050	0.5	0.022	0.011	0.011
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS4	0.010	0.010	0.010	0.020	0.020	0.020	0.010	0.010	0.020	0.050	0.5	0.015	0.008	0.008
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS4	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.010	0.020	0.5	0.006	0.003	0.003
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.000	0.000	0.010	0.010	0.030	0.060	0.070	0.080	0.080	0.100	0.5	0.043	0.021	0.022
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.000	0.010	0.020	0.030	0.040	0.060	0.060	0.050	0.040	0.070	0.5	0.036	0.018	0.018
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.000	0.010	0.010	0.020	0.030	0.040	0.040	0.030	0.030	0.050	0.5	0.024	0.012	0.013
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	0.90	BS5	0.000	0.010	0.010	0.020	0.050	0.070	0.060	0.050	0.050	0.080	0.5	0.036	0.018	0.018
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	0.87	BS5	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.010	0.010	0.030	0.5	0.009	0.004	0.004
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	0.86	BS5	0.000	0.000	0.000	0.010	0.020	0.020	0.020	0.010	0.010	0.030	0.5	0.010	0.005	0.005
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	0.86	BS5	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.040	0.5	0.009	0.004	0.004

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	0.93	BS1	0.009	0.008	0.017	0.038	0.079	0.143	0.237	0.353	0.418	0.351	0.5	0.154	0.077	0.080
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	0.90	BS1	0.008	0.007	0.014	0.025	0.063	0.142	0.216	0.401	0.441	0.336	0.5	0.149	0.074	0.076
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS1	0.003	0.005	0.007	0.008	0.016	0.033	0.057	0.080	0.084	0.065	0.5	0.032	0.016	0.016
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	0.93	BS2	0.000	0.000	0.010	0.030	0.070	0.120	0.180	0.240	0.250	0.220	0.5	0.104	0.052	0.054
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	0.90	BS2	0.000	0.000	0.010	0.020	0.040	0.110	0.200	0.280	0.310	0.290	0.5	0.113	0.057	0.058
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS2	0.000	0.000	0.000	0.000	0.010	0.020	0.050	0.070	0.080	0.070	0.5	0.026	0.013	0.013
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	0.93	BS3	0.010	0.020	0.030	0.040	0.050	0.070	0.100	0.130	0.140	0.120	0.5	0.066	0.033	0.034
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	0.90	BS3	0.010	0.010	0.030	0.050	0.070	0.100	0.130	0.170	0.180	0.160	0.5	0.082	0.041	0.042
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS3	0.000	0.000	0.000	0.010	0.010	0.020	0.030	0.040	0.040	0.030	0.5	0.016	0.008	0.008
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	0.93	BS4	0.020	0.020	0.030	0.040	0.050	0.060	0.060	0.070	0.110	0.170	0.5	0.059	0.029	0.030
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	0.90	BS4	0.020	0.020	0.040	0.060	0.070	0.060	0.050	0.050	0.080	0.120	0.5	0.051	0.026	0.026
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS4	0.000	0.000	0.000	0.010	0.010	0.020	0.020	0.020	0.020	0.030	0.5	0.011	0.006	0.006

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	0.93	BS5	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.050	0.060	0.070	0.5	0.020	0.010	0.010
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	0.90	BS5	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.020	0.020	0.030	0.5	0.011	0.005	0.005
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS5	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.020	0.5	0.005	0.003	0.003
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	0.93	BS1	0.040	0.050	0.090	0.110	0.130	0.130	0.170	0.250	0.360	0.410	0.5	0.162	0.081	0.084
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS1	0.050	0.060	0.080	0.090	0.120	0.150	0.220	0.340	0.470	0.450	0.5	0.183	0.091	0.093
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS1	0.010	0.020	0.030	0.030	0.040	0.050	0.070	0.100	0.120	0.110	0.5	0.050	0.025	0.026
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS1	0.020	0.020	0.020	0.030	0.040	0.060	0.070	0.080	0.110	0.120	0.5	0.049	0.025	0.025
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	0.93	BS2	0.020	0.010	0.020	0.030	0.060	0.100	0.140	0.180	0.210	0.250	0.5	0.095	0.047	0.049
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS2	0.020	0.010	0.030	0.030	0.060	0.110	0.180	0.230	0.250	0.280	0.5	0.108	0.054	0.055
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS2	0.000	0.000	0.010	0.010	0.020	0.040	0.070	0.110	0.130	0.120	0.5	0.044	0.022	0.022
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS2	0.000	0.000	0.010	0.020	0.030	0.060	0.080	0.100	0.110	0.120	0.5	0.046	0.023	0.023

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	0.93	BS3	0.040	0.040	0.040	0.050	0.060	0.070	0.080	0.110	0.130	0.150	0.5	0.072	0.036	0.037
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS3	0.040	0.040	0.060	0.060	0.070	0.090	0.110	0.150	0.190	0.220	0.5	0.093	0.046	0.047
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS3	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.050	0.050	0.5	0.023	0.011	0.011
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS3	0.010	0.010	0.020	0.020	0.030	0.030	0.040	0.030	0.040	0.040	0.5	0.023	0.012	0.012
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	0.93	BS4	0.020	0.020	0.020	0.020	0.030	0.030	0.030	0.030	0.050	0.080	0.5	0.031	0.015	0.016
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS4	0.030	0.030	0.040	0.060	0.070	0.050	0.040	0.040	0.060	0.100	0.5	0.047	0.023	0.024
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS4	0.000	0.000	0.000	0.020	0.030	0.030	0.020	0.020	0.020	0.040	0.5	0.016	0.008	0.008
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS4	0.000	0.000	0.010	0.020	0.010	0.010	0.010	0.010	0.020	0.040	0.5	0.011	0.006	0.006
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	0.93	BS5	0.007	0.009	0.012	0.018	0.027	0.038	0.045	0.042	0.042	0.056	0.5	0.028	0.014	0.014
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS5	0.006	0.007	0.015	0.021	0.042	0.046	0.038	0.028	0.033	0.062	0.5	0.027	0.013	0.014
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS5	0.001	0.001	0.004	0.009	0.016	0.021	0.019	0.013	0.014	0.024	0.5	0.011	0.005	0.005
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS5	0.001	0.003	0.005	0.011	0.016	0.017	0.016	0.013	0.015	0.029	0.5	0.011	0.005	0.005

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS1	0.000	0.000	0.010	0.020	0.030	0.050	0.100	0.130	0.140	0.110	0.5	0.052	0.026	0.026
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	0.86	BS1	0.000	0.000	0.010	0.020	0.040	0.070	0.110	0.140	0.160	0.130	0.5	0.058	0.029	0.029
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	0.86	BS1	0.000	0.010	0.010	0.010	0.030	0.050	0.080	0.120	0.130	0.110	0.5	0.047	0.024	0.024
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS2	0.000	0.000	0.000	0.010	0.020	0.040	0.070	0.110	0.120	0.110	0.5	0.042	0.021	0.021
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	0.86	BS2	0.000	0.000	0.000	0.000	0.020	0.050	0.080	0.100	0.110	0.120	0.5	0.041	0.021	0.021
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	0.86	BS2	0.000	0.000	0.000	0.010	0.020	0.050	0.080	0.110	0.120	0.120	0.5	0.044	0.022	0.022
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS3	0.000	0.000	0.010	0.010	0.020	0.030	0.050	0.060	0.060	0.050	0.5	0.026	0.013	0.013
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	0.86	BS3	0.000	0.000	0.010	0.020	0.020	0.040	0.060	0.070	0.080	0.070	0.5	0.032	0.016	0.016
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	0.86	BS3	0.000	0.010	0.010	0.020	0.020	0.030	0.030	0.040	0.040	0.050	0.5	0.022	0.011	0.011
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS4	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.030	0.040	0.050	0.5	0.021	0.011	0.011
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	0.86	BS4	0.000	0.000	0.000	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.5	0.013	0.006	0.006
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	0.86	BS4	0.000	0.000	0.000	0.010	0.010	0.010	0.020	0.020	0.030	0.050	0.5	0.013	0.006	0.006

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	0.88	BS5	0.003	0.006	0.009	0.011	0.015	0.020	0.023	0.025	0.033	0.053	0.5	0.017	0.009	0.009
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	0.86	BS5	0.003	0.005	0.007	0.014	0.024	0.032	0.031	0.032	0.043	0.058	0.5	0.021	0.011	0.011
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	0.86	BS5	0.003	0.003	0.004	0.007	0.013	0.015	0.016	0.017	0.020	0.035	0.5	0.011	0.006	0.006
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	0.88	BS1	0.012	0.007	0.004	0.005	0.007	0.009	0.035	0.088	0.137	0.107	0.5	0.036	0.018	0.018
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	0.86	BS1	0.004	0.002	0.003	0.004	0.006	0.017	0.054	0.113	0.164	0.159	0.5	0.045	0.023	0.023
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	0.86	BS1	0.008	0.007	0.004	0.003	0.005	0.020	0.048	0.096	0.135	0.124	0.5	0.039	0.019	0.019
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	0.88	BS2	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.060	0.110	0.120	0.5	0.028	0.014	0.014
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	0.86	BS2	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.070	0.120	0.140	0.5	0.032	0.016	0.016
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	0.86	BS2	0.000	0.000	0.000	0.000	0.000	0.020	0.060	0.120	0.160	0.160	0.5	0.045	0.022	0.022
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	0.88	BS3	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.050	0.060	0.070	0.5	0.019	0.010	0.010
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	0.86	BS3	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.070	0.080	0.080	0.5	0.025	0.012	0.013
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	0.86	BS3	0.000	0.000	0.000	0.010	0.020	0.030	0.040	0.050	0.060	0.070	0.5	0.024	0.012	0.012

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	0.88	BS4	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.030	0.040	0.050	0.5	0.013	0.007	0.007
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	0.86	BS4	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020	0.030	0.040	0.5	0.009	0.005	0.005
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	0.86	BS4	0.000	0.000	0.000	0.010	0.020	0.020	0.030	0.040	0.060	0.080	0.5	0.022	0.011	0.011
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	0.88	BS5	0.003	0.005	0.008	0.011	0.013	0.015	0.017	0.022	0.033	0.050	0.5	0.016	0.008	0.008
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	0.86	BS5	0.001	0.001	0.001	0.003	0.009	0.017	0.019	0.025	0.039	0.048	0.5	0.014	0.007	0.007
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	0.86	BS5	0.002	0.004	0.004	0.004	0.007	0.010	0.015	0.021	0.035	0.053	0.5	0.013	0.007	0.007
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS1	0.010	0.010	0.010	0.020	0.020	0.020	0.030	0.040	0.060	0.070	0.5	0.028	0.014	0.014
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS1	0.010	0.020	0.020	0.030	0.040	0.040	0.050	0.070	0.090	0.110	0.5	0.046	0.023	0.023
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS1	0.010	0.010	0.020	0.030	0.030	0.040	0.050	0.070	0.090	0.140	0.5	0.046	0.023	0.024
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS1	0.040	0.050	0.060	0.070	0.100	0.130	0.210	0.330	0.440	0.420	0.5	0.167	0.083	0.085
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS1	0.010	0.020	0.030	0.030	0.050	0.060	0.090	0.120	0.150	0.130	0.5	0.060	0.030	0.030
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS1	0.010	0.010	0.020	0.020	0.030	0.040	0.050	0.070	0.090	0.100	0.5	0.038	0.019	0.019

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS2	0.031	0.029	0.025	0.029	0.051	0.092	0.152	0.211	0.228	0.206	0.5	0.102	0.051	0.052
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS2	0.019	0.014	0.018	0.027	0.045	0.074	0.108	0.137	0.163	0.121	0.5	0.069	0.034	0.034
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS2	0.017	0.011	0.012	0.022	0.049	0.083	0.126	0.017	0.199	0.235	0.5	0.072	0.036	0.037
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS2	0.020	0.010	0.020	0.030	0.050	0.090	0.160	0.200	0.240	0.260	0.5	0.097	0.049	0.049
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS2	0.000	0.000	0.010	0.010	0.020	0.040	0.080	0.120	0.140	0.130	0.5	0.048	0.024	0.024
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS2	0.000	0.000	0.010	0.010	0.020	0.040	0.060	0.070	0.080	0.090	0.5	0.033	0.016	0.016
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS3	0.032	0.036	0.051	0.057	0.061	0.076	0.094	0.114	0.130	0.151	0.5	0.078	0.039	0.039
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS3	0.039	0.045	0.058	0.054	0.049	0.054	0.072	0.119	0.179	0.197	0.5	0.082	0.041	0.041
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS3	0.047	0.048	0.059	0.069	0.057	0.064	0.082	0.111	0.130	0.153	0.5	0.076	0.038	0.039
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS3	0.030	0.040	0.050	0.050	0.060	0.090	0.110	0.160	0.200	0.210	0.5	0.090	0.045	0.046
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS3	0.010	0.010	0.020	0.020	0.020	0.030	0.030	0.050	0.060	0.070	0.5	0.028	0.014	0.014
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS3	0.010	0.010	0.020	0.020	0.020	0.020	0.020	0.020	0.030	0.030	0.5	0.017	0.009	0.009

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS4	0.043	0.050	0.041	0.042	0.054	0.057	0.046	0.043	0.054	0.081	0.5	0.050	0.025	0.025
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS4	0.046	0.050	0.036	0.042	0.048	0.041	0.030	0.021	0.025	0.045	0.5	0.036	0.018	0.018
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS4	0.035	0.027	0.017	0.031	0.036	0.038	0.040	0.054	0.083	0.107	0.5	0.044	0.022	0.023
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS4	0.020	0.020	0.030	0.050	0.060	0.050	0.040	0.030	0.050	0.080	0.5	0.039	0.019	0.020
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS4	0.000	0.000	0.010	0.010	0.030	0.030	0.020	0.020	0.020	0.040	0.5	0.016	0.008	0.008
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS4	0.000	0.000	0.000	0.010	0.010	0.010	0.010	0.010	0.010	0.030	0.5	0.008	0.004	0.004
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	0.97	BS5	0.003	0.008	0.009	0.016	0.031	0.043	0.059	0.063	0.069	0.084	0.5	0.037	0.019	0.019
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	0.95	BS5	0.006	0.013	0.015	0.021	0.030	0.043	0.049	0.042	0.040	0.057	0.5	0.030	0.015	0.015
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	0.93	BS5	0.007	0.008	0.013	0.022	0.037	0.049	0.048	0.040	0.035	0.046	0.5	0.028	0.014	0.015
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	0.90	BS5	0.003	0.004	0.006	0.011	0.024	0.030	0.028	0.023	0.022	0.034	0.5	0.017	0.008	0.008
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	0.87	BS5	0.001	0.001	0.001	0.003	0.007	0.011	0.010	0.008	0.009	0.015	0.5	0.006	0.003	0.003
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	0.86	BS5	0.001	0.001	0.002	0.005	0.010	0.009	0.008	0.007	0.009	0.016	0.5	0.006	0.003	0.003

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	0.93	BS1	0.010	0.006	0.008	0.005	0.003	0.030	0.108	0.247	0.394	0.414	0.5	0.114	0.057	0.059
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	0.90	BS1	0.006	0.004	0.002	0.003	0.010	0.052	0.151	0.307	0.413	0.184	0.5	0.102	0.051	0.052
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	0.88	BS1	0.004	0.004	0.004	0.005	0.009	0.025	0.061	0.104	0.128	0.107	0.5	0.040	0.020	0.020
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	0.93	BS2	0.005	0.002	0.004	0.003	0.009	0.031	0.088	0.175	0.271	0.333	0.5	0.086	0.043	0.044
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	0.90	BS2	0.002	0.003	0.004	0.005	0.010	0.045	0.140	0.276	0.386	0.389	0.5	0.113	0.057	0.058
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	0.88	BS2	0.001	0.001	0.001	0.003	0.008	0.019	0.044	0.077	0.102	0.106	0.5	0.032	0.016	0.016
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	0.93	BS3	0.000	0.000	0.000	0.000	0.010	0.020	0.040	0.070	0.120	0.140	0.5	0.037	0.019	0.019
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	0.90	BS3	0.000	0.000	0.000	0.010	0.030	0.060	0.110	0.170	0.200	0.200	0.5	0.070	0.035	0.036
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	0.88	BS3	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.050	0.050	0.050	0.5	0.018	0.009	0.009
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	0.93	BS4	0.000	0.000	0.000	0.010	0.030	0.040	0.060	0.100	0.130	0.160	0.5	0.049	0.025	0.025
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	0.90	BS4	0.000	0.000	0.010	0.030	0.040	0.050	0.050	0.070	0.100	0.130	0.5	0.043	0.022	0.022
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	0.88	BS4	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.030	0.040	0.5	0.009	0.004	0.004

Notes:

MPE calculations are defined in section 15.0
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Table L.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	0.93	BS5	0.004	0.005	0.007	0.010	0.019	0.029	0.036	0.052	0.077	0.096	0.5	0.031	0.016	0.016
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	0.90	BS5	0.004	0.007	0.010	0.015	0.027	0.043	0.051	0.053	0.071	0.097	0.5	0.034	0.017	0.017
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	0.88	BS5	0.002	0.003	0.007	0.009	0.014	0.017	0.019	0.023	0.034	0.053	0.5	0.016	0.008	0.008

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.117	0.147	0.276	0.5	0.187	0.09	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.063	0.142	0.208	0.5	0.146	0.07	0.08
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	1.07	PB	0.097	0.180	0.209	0.5	0.173	0.09	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	1.08	PB	0.082	0.035	0.060	0.5	0.064	0.03	0.03
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	1.08	PB	0.035	0.044	0.033	0.5	0.040	0.02	0.02
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	1.09	PB	0.017	0.036	0.020	0.5	0.027	0.01	0.01
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119	CW	E	1.04	PB	0.126	0.197	0.313	0.5	0.220	0.11	0.11
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120	CW	E	1.05	PB	0.073	0.081	0.124	0.5	0.097	0.05	0.05
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116	CW	E	1.06	PB	0.067	0.064	0.168	0.5	0.106	0.05	0.05

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.124	0.169	0.308	0.5	0.208	0.10	0.11
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.082	0.125	0.195	0.5	0.142	0.07	0.07
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	1.07	PB	0.106	0.200	0.254	0.5	0.200	0.10	0.10
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	1.08	PB	0.038	0.091	0.035	0.5	0.059	0.03	0.03
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	1.08	PB	0.036	0.033	0.030	0.5	0.036	0.02	0.02
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	1.09	PB	0.014	0.023	0.012	0.5	0.018	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	1.02	PB	0.020	0.024	0.040	0.5	0.029	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	1.02	PB	0.018	0.012	0.039	0.5	0.023	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	1.02	PB	0.028	0.045	0.088	0.5	0.055	0.03	0.03
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	1.04	PB	0.028	0.045	0.073	0.5	0.051	0.03	0.03
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	1.05	PB	0.012	0.023	0.050	0.5	0.030	0.01	0.01
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	1.06	PB	0.024	0.050	0.098	0.5	0.061	0.03	0.03

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	PB	0.029	0.037	0.042	0.5	0.037	0.02	0.02
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	1.02	PB	0.020	0.042	0.065	0.5	0.043	0.02	0.02
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	PB	0.015	0.036	0.052	0.5	0.035	0.02	0.02
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.095	0.183	0.276	0.5	0.192	0.10	0.10
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	PB	0.112	0.093	0.184	0.5	0.136	0.07	0.07
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.074	0.125	0.197	0.5	0.140	0.07	0.07
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	1.07	PB	0.105	0.169	0.252	0.5	0.188	0.09	0.10
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	1.08	PB	0.043	0.086	0.054	0.5	0.066	0.03	0.03
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	1.08	PB	0.040	0.030	0.034	0.5	0.037	0.02	0.02
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	1.09	PB	0.015	0.027	0.014	0.5	0.020	0.01	0.01
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	1.06	PB	0.041	0.079	0.104	0.5	0.079	0.04	0.04
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	1.07	PB	0.034	0.045	0.126	0.5	0.073	0.04	0.04
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	1.08	PB	0.016	0.012	0.023	0.5	0.018	0.01	0.01

Notes:

MPE calculations are defined in section 15.0

Blue fonts: Frequencies not regulated by FCC.

Table L.2 (Continued)

UHF R2 band - 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	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	1.02	PB	0.018	0.042	0.077	0.5	0.047	0.02	0.02
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	1.02	PB	0.053	0.113	0.129	0.5	0.100	0.05	0.05
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	1.02	PB	0.038	0.048	0.071	0.5	0.053	0.03	0.03
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	1.02	PB	0.030	0.016	0.019	0.5	0.022	0.01	0.01
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	1.08	PB	0.019	0.018	0.031	0.5	0.024	0.01	0.01
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	1.08	PB	0.008	0.010	0.012	0.5	0.011	0.01	0.01
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	1.08	PB	0.008	0.003	0.006	0.5	0.006	0.00	0.00
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	1.08	PB	0.010	0.025	0.011	0.5	0.017	0.01	0.01
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	1.08	PB	0.007	0.010	0.007	0.5	0.009	0.00	0.00
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	1.08	PB	0.005	0.006	0.008	0.5	0.007	0.00	0.00

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table L.2 (Continued)

UHF R2 band - 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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PB	0.098	0.153	0.180	0.5	0.149	0.07	0.08
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	1.05	PB	0.136	0.116	0.137	0.5	0.136	0.07	0.07
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PB	0.061	0.103	0.249	0.5	0.146	0.07	0.08
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	1.02	PB	0.095	0.145	0.195	0.5	0.148	0.07	0.08
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	1.02	PB	0.043	0.072	0.083	0.5	0.067	0.03	0.03
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	1.02	PB	0.025	0.032	0.024	0.5	0.028	0.01	0.01
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	1.06	PB	0.015	0.018	0.029	0.5	0.022	0.01	0.01
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	1.07	PB	0.013	0.024	0.058	0.5	0.034	0.02	0.02
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	1.08	PB	0.001	0.003	0.003	0.5	0.003	0.00	0.00

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.092	0.159	0.089	0.5	0.118	0.06	0.06
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.055	0.049	0.092	0.5	0.069	0.03	0.04
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	1.07	PF	0.056	0.101	0.092	0.5	0.089	0.04	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	1.08	PF	0.056	0.047	0.037	0.5	0.050	0.03	0.03
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	1.08	PF	0.052	0.047	0.038	0.5	0.049	0.02	0.02
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	1.09	PF	0.046	0.029	0.017	0.5	0.033	0.02	0.02
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119	CW	E	1.04	PF	0.058	0.112	0.085	0.5	0.088	0.04	0.04
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120	CW	E	1.05	PF	0.035	0.052	0.048	0.5	0.047	0.02	0.02
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116	CW	E	1.06	PF	0.053	0.024	0.129	0.5	0.073	0.04	0.04

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.080	0.161	0.131	0.5	0.129	0.06	0.07
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.062	0.049	0.163	0.5	0.097	0.05	0.05
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	1.07	PF	0.099	0.107	0.152	0.5	0.128	0.06	0.06
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	1.08	PF	0.051	0.037	0.047	0.5	0.049	0.02	0.02
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	1.08	PF	0.054	0.046	0.037	0.5	0.049	0.02	0.02
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	1.09	PF	0.026	0.016	0.021	0.5	0.023	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	1.02	PF	0.019	0.034	0.013	0.5	0.022	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	1.02	PF	0.020	0.027	0.016	0.5	0.021	0.01	0.01
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	1.02	PF	0.007	0.006	0.002	0.5	0.005	0.00	0.00
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	1.04	PF	0.016	0.020	0.018	0.5	0.019	0.01	0.01
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	1.05	PF	0.013	0.013	0.017	0.5	0.015	0.01	0.01
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	1.06	PF	0.019	0.012	0.030	0.5	0.022	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	PF	0.022	0.038	0.025	0.5	0.029	0.01	0.01
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	1.02	PF	0.032	0.034	0.032	0.5	0.033	0.02	0.02
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	PF	0.011	0.009	0.019	0.5	0.013	0.01	0.01
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.106	0.096	0.133	0.5	0.116	0.06	0.06
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	PF	0.039	0.093	0.097	0.5	0.080	0.04	0.04
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.064	0.046	0.113	0.5	0.079	0.04	0.04
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	1.07	PF	0.080	0.098	0.096	0.5	0.098	0.05	0.05
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	1.08	PF	0.044	0.059	0.018	0.5	0.044	0.02	0.02
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	1.08	PF	0.047	0.035	0.031	0.5	0.041	0.02	0.02
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	1.09	PF	0.045	0.013	0.017	0.5	0.027	0.01	0.01
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	1.06	PF	0.043	0.013	0.060	0.5	0.041	0.02	0.02
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	1.07	PF	0.018	0.023	0.030	0.5	0.025	0.01	0.01
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	1.08	PF	0.011	0.010	0.006	0.5	0.010	0.00	0.00

Notes:

MPE calculations are defined in section 15.0

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Table L.2 (Continued)

UHF R2 band - 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	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	1.02	PF	0.014	0.009	0.026	0.5	0.017	0.01	0.01
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	1.02	PF	0.044	0.059	0.029	0.5	0.045	0.02	0.02
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	1.02	PF	0.016	0.012	0.014	0.5	0.014	0.01	0.01
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	1.02	PF	0.005	0.003	0.006	0.5	0.005	0.00	0.00
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	1.08	PF	0.014	0.013	0.017	0.5	0.016	0.01	0.01
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	1.08	PF	0.022	0.015	0.014	0.5	0.018	0.01	0.01
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	1.08	PF	0.009	0.005	0.008	0.5	0.008	0.00	0.00
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	1.08	PF	0.009	0.007	0.006	0.5	0.008	0.00	0.00
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	1.08	PF	0.018	0.015	0.006	0.5	0.014	0.01	0.01
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	1.08	PF	0.011	0.005	0.007	0.5	0.008	0.00	0.00

Notes:

MPE calculations are defined in section 15.0
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Table L.2 (Continued)

UHF R2 band - 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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	PF	0.087	0.186	0.115	0.5	0.135	0.07	0.07
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	1.05	PF	0.062	0.085	0.093	0.5	0.084	0.04	0.04
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	PF	0.089	0.033	0.066	0.5	0.066	0.03	0.03
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	1.02	PF	0.054	0.077	0.094	0.5	0.077	0.04	0.04
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	1.02	PF	0.041	0.042	0.030	0.5	0.038	0.02	0.02
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	1.02	PF	0.052	0.061	0.035	0.5	0.050	0.03	0.03
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	1.06	PF	0.031	0.011	0.049	0.5	0.032	0.02	0.02
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	1.07	PF	0.022	0.006	0.020	0.5	0.017	0.01	0.01
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	1.08	PF	0.003	0.002	0.002	0.5	0.003	0.00	0.00

Notes:

MPE calculations are defined in section 15.0
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Appendix K – MPE Measurement Results for LMR 7/800 Band

Table M.1

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS1	0.009	0.012	0.009	0.007	0.007	0.017	0.053	0.090	0.149	0.147	0.5	0.049	0.025	0.025
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS1	0.007	0.007	0.012	0.019	0.024	0.028	0.047	0.087	0.126	0.115	0.5	0.047	0.023	0.023
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS1	0.008	0.016	0.021	0.012	0.006	0.014	0.042	0.062	0.083	0.087	0.5	0.035	0.017	0.018
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS1	0.005	0.011	0.013	0.008	0.011	0.023	0.050	0.085	0.135	0.103	0.5	0.044	0.022	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS1	0.012	0.019	0.027	0.019	0.011	0.018	0.040	0.083	0.163	0.122	0.5	0.052	0.026	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS1	0.010	0.015	0.020	0.012	0.011	0.011	0.028	0.091	0.142	0.148	0.5	0.050	0.025	0.025
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS1	0.014	0.012	0.018	0.015	0.012	0.008	0.012	0.053	0.094	0.113	0.5	0.036	0.018	0.018
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS1	0.006	0.015	0.014	0.015	0.018	0.017	0.011	0.044	0.104	0.123	0.5	0.038	0.019	0.019
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS1	0.009	0.008	0.014	0.010	0.010	0.008	0.003	0.024	0.059	0.080	0.5	0.023	0.012	0.012
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS2	0.005	0.008	0.010	0.006	0.006	0.007	0.029	0.047	0.066	0.096	0.5	0.028	0.014	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS2	0.003	0.005	0.005	0.005	0.005	0.012	0.033	0.072	0.086	0.071	0.5	0.029	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS2	0.004	0.005	0.007	0.006	0.005	0.007	0.027	0.055	0.092	0.127	0.5	0.033	0.017	0.017
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS2	0.003	0.008	0.011	0.007	0.006	0.013	0.034	0.063	0.094	0.101	0.5	0.034	0.017	0.017
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS2	0.003	0.008	0.012	0.011	0.016	0.023	0.053	0.091	0.115	0.128	0.5	0.046	0.023	0.024
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS2	0.004	0.009	0.018	0.020	0.013	0.011	0.033	0.068	0.095	0.120	0.5	0.040	0.020	0.020
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS2	0.007	0.012	0.012	0.014	0.010	0.008	0.015	0.036	0.074	0.096	0.5	0.029	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS2	0.004	0.011	0.013	0.006	0.007	0.008	0.008	0.040	0.071	0.073	0.5	0.025	0.013	0.013
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS2	0.005	0.008	0.012	0.011	0.006	0.005	0.004	0.021	0.039	0.060	0.5	0.018	0.009	0.009

Notes:

MPE calculations are defined in section 15.0
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Table M.1 (Continued)
7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement													
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS3	0.005	0.007	0.006	0.012	0.008	0.008	0.016	0.032	0.050	0.057	0.5	0.020	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS3	0.015	0.011	0.008	0.006	0.006	0.009	0.018	0.031	0.036	0.039	0.5	0.018	0.009	0.009
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS3	0.006	0.006	0.001	0.006	0.016	0.018	0.023	0.050	0.064	0.057	0.5	0.024	0.012	0.013
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS3	0.006	0.009	0.007	0.009	0.008	0.007	0.017	0.031	0.050	0.065	0.5	0.021	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS3	0.010	0.013	0.004	0.006	0.006	0.010	0.025	0.048	0.058	0.074	0.5	0.025	0.013	0.013
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS3	0.007	0.006	0.006	0.004	0.006	0.009	0.022	0.035	0.057	0.065	0.5	0.022	0.011	0.011
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS3	0.007	0.008	0.006	0.009	0.004	0.004	0.013	0.028	0.049	0.068	0.5	0.020	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS3	0.007	0.009	0.004	0.002	0.003	0.003	0.011	0.025	0.042	0.058	0.5	0.017	0.009	0.009
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS3	0.005	0.011	0.008	0.002	0.001	0.002	0.004	0.012	0.024	0.042	0.5	0.012	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS4	0.002	0.002	0.002	0.004	0.005	0.005	0.005	0.011	0.023	0.033	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS4	0.003	0.003	0.006	0.006	0.006	0.005	0.010	0.015	0.018	0.023	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS4	0.003	0.001	0.001	0.004	0.010	0.012	0.015	0.021	0.032	0.036	0.5	0.013	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS4	0.003	0.001	0.003	0.003	0.010	0.010	0.013	0.026	0.051	0.055	0.5	0.017	0.009	0.009
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS4	0.003	0.003	0.002	0.002	0.003	0.005	0.013	0.032	0.044	0.050	0.5	0.016	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS4	0.002	0.002	0.005	0.007	0.007	0.010	0.016	0.020	0.039	0.050	0.5	0.016	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS4	0.002	0.002	0.002	0.003	0.003	0.005	0.008	0.018	0.037	0.042	0.5	0.013	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS4	0.002	0.001	0.001	0.001	0.002	0.003	0.006	0.010	0.022	0.024	0.5	0.007	0.004	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS4	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.008	0.020	0.028	0.5	0.007	0.004	0.004

Notes:

MPE calculations are defined in section 15.0

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Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS5	0.001	0.001	0.001	0.001	0.004	0.009	0.010	0.016	0.025	0.028	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS5	0.001	0.001	0.001	0.001	0.004	0.012	0.014	0.019	0.033	0.042	0.5	0.013	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS5	0.001	0.001	0.001	0.001	0.001	0.002	0.003	0.007	0.015	0.038	0.5	0.007	0.003	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS5	0.001	0.001	0.001	0.002	0.005	0.008	0.009	0.014	0.025	0.028	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS5	0.001	0.001	0.001	0.001	0.003	0.008	0.011	0.012	0.033	0.042	0.5	0.011	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS5	0.001	0.001	0.001	0.002	0.006	0.006	0.018	0.027	0.038	0.049	0.5	0.015	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS5	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.004	0.014	0.030	0.5	0.006	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.008	0.030	0.5	0.005	0.002	0.002
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS5	0.001	0.001	0.001	0.001	0.001	0.002	0.005	0.007	0.015	0.024	0.5	0.006	0.003	0.003
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS1	0.006	0.010	0.010	0.008	0.017	0.031	0.051	0.062	0.105	0.111	0.5	0.041	0.020	0.021
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS1	0.005	0.006	0.010	0.026	0.039	0.045	0.052	0.060	0.070	0.087	0.5	0.040	0.020	0.020
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS1	0.006	0.011	0.018	0.018	0.016	0.026	0.046	0.050	0.057	0.066	0.5	0.031	0.016	0.016
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS1	0.004	0.007	0.013	0.012	0.018	0.036	0.050	0.060	0.086	0.082	0.5	0.037	0.018	0.018
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS1	0.008	0.012	0.018	0.022	0.020	0.029	0.042	0.057	0.096	0.088	0.5	0.039	0.020	0.020
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS1	0.008	0.010	0.018	0.015	0.014	0.027	0.043	0.070	0.095	0.114	0.5	0.042	0.021	0.021
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS1	0.009	0.010	0.012	0.011	0.016	0.029	0.042	0.067	0.078	0.091	0.5	0.038	0.019	0.019
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS1	0.002	0.009	0.012	0.011	0.020	0.055	0.076	0.087	0.089	0.121	0.5	0.050	0.025	0.025
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS1	0.009	0.006	0.010	0.010	0.016	0.030	0.042	0.057	0.075	0.098	0.5	0.037	0.018	0.018

Notes:

MPE calculations are defined in section 15.0
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Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS2	0.003	0.005	0.009	0.007	0.012	0.019	0.036	0.037	0.042	0.069	0.5	0.024	0.012	0.012
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS2	0.005	0.005	0.009	0.007	0.013	0.020	0.034	0.055	0.056	0.050	0.5	0.025	0.013	0.013
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS2	0.003	0.004	0.005	0.006	0.010	0.017	0.029	0.036	0.056	0.082	0.5	0.025	0.012	0.013
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS2	0.001	0.005	0.010	0.013	0.019	0.025	0.036	0.043	0.056	0.055	0.5	0.026	0.013	0.013
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS2	0.001	0.005	0.007	0.010	0.020	0.033	0.048	0.053	0.065	0.061	0.5	0.030	0.015	0.015
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS2	0.003	0.006	0.013	0.022	0.026	0.031	0.051	0.061	0.063	0.082	0.5	0.036	0.018	0.018
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS2	0.003	0.010	0.010	0.010	0.020	0.031	0.039	0.044	0.048	0.068	0.5	0.029	0.015	0.015
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS2	0.003	0.006	0.010	0.007	0.010	0.029	0.036	0.051	0.072	0.066	0.5	0.030	0.015	0.015
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS2	0.003	0.008	0.011	0.014	0.018	0.029	0.046	0.051	0.050	0.068	0.5	0.031	0.016	0.016
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS3	0.007	0.008	0.011	0.019	0.014	0.009	0.010	0.022	0.031	0.041	0.5	0.017	0.008	0.009
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS3	0.016	0.014	0.013	0.010	0.011	0.012	0.021	0.027	0.025	0.025	0.5	0.017	0.009	0.009
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS3	0.009	0.011	0.004	0.012	0.016	0.018	0.021	0.038	0.043	0.040	0.5	0.021	0.010	0.011
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS3	0.008	0.010	0.007	0.014	0.013	0.011	0.018	0.023	0.027	0.038	0.5	0.017	0.008	0.008
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS3	0.009	0.012	0.007	0.009	0.011	0.015	0.024	0.028	0.027	0.040	0.5	0.018	0.009	0.009
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS3	0.007	0.007	0.009	0.011	0.014	0.017	0.030	0.023	0.032	0.039	0.5	0.019	0.010	0.010
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS3	0.006	0.009	0.007	0.014	0.017	0.017	0.024	0.025	0.032	0.046	0.5	0.020	0.010	0.010
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS3	0.006	0.011	0.007	0.007	0.011	0.011	0.023	0.033	0.037	0.049	0.5	0.020	0.010	0.010
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS3	0.007	0.010	0.010	0.012	0.012	0.017	0.023	0.027	0.029	0.042	0.5	0.020	0.010	0.010

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS4	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.003	0.005	0.008	0.5	0.002	0.001	0.001
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS4	0.001	0.001	0.002	0.002	0.001	0.001	0.002	0.003	0.004	0.006	0.5	0.002	0.001	0.001
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS4	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.006	0.006	0.5	0.002	0.001	0.001
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS4	0.001	0.001	0.001	0.002	0.004	0.002	0.002	0.006	0.011	0.012	0.5	0.004	0.002	0.002
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS4	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.008	0.011	0.008	0.5	0.004	0.002	0.002
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS4	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.006	0.007	0.5	0.003	0.001	0.001
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS4	0.001	0.001	0.001	0.003	0.003	0.003	0.005	0.011	0.014	0.011	0.5	0.005	0.003	0.003
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS4	0.001	0.001	0.001	0.002	0.003	0.003	0.004	0.010	0.011	0.006	0.5	0.004	0.002	0.002
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS4	0.001	0.001	0.002	0.002	0.002	0.003	0.004	0.004	0.008	0.006	0.5	0.003	0.002	0.002
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS5	0.001	0.001	0.002	0.005	0.009	0.013	0.011	0.011	0.019	0.023	0.5	0.009	0.005	0.005
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS5	0.001	0.001	0.002	0.005	0.009	0.012	0.013	0.015	0.025	0.038	0.5	0.012	0.006	0.006
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS5	0.001	0.002	0.004	0.007	0.007	0.007	0.006	0.006	0.013	0.034	0.5	0.009	0.004	0.004
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS5	0.001	0.002	0.003	0.007	0.010	0.010	0.009	0.012	0.021	0.022	0.5	0.010	0.005	0.005
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS5	0.001	0.003	0.004	0.005	0.008	0.01	0.009	0.009	0.024	0.030	0.5	0.010	0.005	0.005
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS5	0.001	0.001	0.002	0.008	0.012	0.014	0.017	0.025	0.035	0.033	0.5	0.015	0.008	0.008
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS5	0.001	0.002	0.003	0.004	0.007	0.010	0.010	0.012	0.021	0.024	0.5	0.010	0.005	0.005
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS5	0.001	0.001	0.004	0.008	0.01	0.015	0.011	0.012	0.019	0.035	0.5	0.012	0.006	0.006
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS5	0.001	0.001	0.001	0.004	0.006	0.006	0.009	0.017	0.033	0.036	0.5	0.012	0.006	0.006

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS1	0.002	0.000	0.002	0.001	0.000	0.005	0.022	0.052	0.104	0.123	0.5	0.031	0.015	0.016
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS1	0.000	0.000	0.001	0.003	0.002	0.005	0.022	0.056	0.084	0.096	0.5	0.027	0.013	0.013
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS1	0.000	0.002	0.003	0.004	0.004	0.007	0.026	0.046	0.070	0.069	0.5	0.023	0.011	0.012
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS1	0.000	0.000	0.003	0.005	0.005	0.020	0.050	0.095	0.109	0.088	0.5	0.037	0.019	0.019
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS1	0.002	0.002	0.007	0.018	0.021	0.028	0.061	0.100	0.120	0.099	0.5	0.046	0.023	0.023
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS1	0.003	0.004	0.012	0.020	0.022	0.052	0.094	0.142	0.157	0.098	0.5	0.061	0.031	0.031
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS1	0.005	0.011	0.010	0.015	0.025	0.059	0.111	0.134	0.108	0.087	0.5	0.058	0.029	0.029
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS1	0.004	0.011	0.016	0.017	0.020	0.055	0.121	0.142	0.122	0.091	0.5	0.062	0.031	0.031
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS1	0.006	0.008	0.007	0.016	0.038	0.079	0.092	0.090	0.075	0.038	0.5	0.047	0.023	0.023
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS2	0.000	0.001	0.001	0.001	0.001	0.003	0.010	0.022	0.04	0.064	0.5	0.014	0.007	0.007
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS2	0.000	0.000	0.000	0.000	0.002	0.005	0.014	0.033	0.042	0.046	0.5	0.014	0.007	0.007
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS2	0.000	0.000	0.000	0.001	0.002	0.007	0.019	0.036	0.062	0.076	0.5	0.020	0.010	0.010
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS2	0.001	0.001	0.000	0.006	0.011	0.018	0.036	0.061	0.073	0.065	0.5	0.027	0.014	0.014
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS2	0.001	0.001	0.002	0.004	0.013	0.033	0.068	0.094	0.095	0.085	0.5	0.040	0.020	0.020
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS2	0.002	0.006	0.004	0.014	0.033	0.048	0.075	0.088	0.089	0.077	0.5	0.044	0.022	0.022
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS2	0.004	0.018	0.016	0.012	0.030	0.051	0.077	0.078	0.068	0.061	0.5	0.043	0.021	0.022
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS2	0.009	0.011	0.022	0.017	0.017	0.055	0.093	0.103	0.075	0.060	0.5	0.048	0.024	0.024
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS2	0.003	0.010	0.011	0.015	0.033	0.069	0.070	0.063	0.061	0.049	0.5	0.040	0.020	0.020

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS3	0.00	0.00	0.00	0.00	0.00	0.001	0.002	0.004	0.006	0.008	0.5	0.002	0.001	0.001
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS3	0.00	0.00	0.00	0.00	0.00	0.001	0.003	0.006	0.009	0.011	0.5	0.003	0.001	0.001
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS3	0.00	0.00	0.00	0.00	0.001	0.003	0.006	0.009	0.010	0.012	0.5	0.004	0.002	0.002
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS3	0.00	0.00	0.00	0.001	0.005	0.010	0.014	0.017	0.020	0.021	0.5	0.009	0.004	0.004
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS3	0.001	0.002	0.002	0.001	0.002	0.006	0.013	0.014	0.016	0.016	0.5	0.007	0.004	0.004
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS3	0.003	0.003	0.002	0.005	0.008	0.013	0.018	0.020	0.019	0.017	0.5	0.011	0.005	0.006
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS3	0.003	0.005	0.002	0.003	0.010	0.014	0.020	0.022	0.022	0.017	0.5	0.012	0.006	0.006
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS3	0.004	0.007	0.009	0.007	0.012	0.020	0.030	0.029	0.024	0.014	0.5	0.016	0.008	0.008
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS3	0.003	0.005	0.005	0.006	0.007	0.008	0.018	0.019	0.015	0.017	0.5	0.011	0.005	0.005
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS4	0.001	0.001	0.001	0.001	0.002	0.004	0.008	0.012	0.016	0.018	0.5	0.006	0.003	0.003
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS4	0.001	0.001	0.001	0.001	0.002	0.004	0.007	0.011	0.010	0.013	0.5	0.005	0.003	0.003
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS4	0.001	0.001	0.001	0.001	0.003	0.007	0.013	0.019	0.023	0.021	0.5	0.009	0.004	0.005
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS4	0.002	0.002	0.004	0.006	0.012	0.015	0.023	0.032	0.035	0.030	0.5	0.016	0.008	0.008
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS4	0.007	0.009	0.005	0.002	0.007	0.019	0.039	0.048	0.047	0.036	0.5	0.022	0.011	0.011
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS4	0.007	0.006	0.003	0.014	0.024	0.032	0.040	0.057	0.055	0.041	0.5	0.028	0.014	0.014
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS4	0.012	0.008	0.009	0.011	0.018	0.027	0.040	0.041	0.040	0.016	0.5	0.023	0.011	0.012
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS4	0.008	0.013	0.018	0.015	0.016	0.021	0.029	0.036	0.027	0.017	0.5	0.021	0.010	0.010
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS4	0.007	0.008	0.011	0.020	0.022	0.020	0.027	0.045	0.034	0.019	0.5	0.022	0.011	0.011

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS5	0.001	0.001	0.001	0.001	0.001	0.004	0.005	0.009	0.011	0.014	0.5	0.005	0.002	0.002
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS5	0.001	0.001	0.001	0.001	0.003	0.007	0.010	0.019	0.026	0.024	0.5	0.009	0.005	0.005
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS5	0.001	0.001	0.001	0.002	0.003	0.003	0.003	0.008	0.016	0.022	0.5	0.006	0.003	0.003
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS5	0.001	0.001	0.001	0.004	0.006	0.006	0.011	0.019	0.025	0.026	0.5	0.010	0.005	0.005
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS5	0.001	0.003	0.003	0.008	0.013	0.014	0.015	0.023	0.039	0.031	0.5	0.015	0.008	0.008
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS5	0.001	0.001	0.006	0.012	0.016	0.021	0.029	0.041	0.062	0.038	0.5	0.023	0.012	0.012
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS5	0.001	0.002	0.010	0.012	0.015	0.017	0.016	0.026	0.038	0.032	0.5	0.017	0.009	0.009
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS5	0.001	0.003	0.007	0.016	0.022	0.020	0.019	0.031	0.046	0.035	0.5	0.021	0.010	0.010
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS5	0.001	0.003	0.009	0.013	0.017	0.023	0.029	0.045	0.061	0.037	0.5	0.025	0.012	0.012
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS1	0.007	0.009	0.010	0.008	0.015	0.030	0.050	0.065	0.102	0.103	0.5	0.039	0.020	0.020
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS1	0.005	0.007	0.011	0.024	0.038	0.047	0.057	0.063	0.067	0.079	0.5	0.039	0.020	0.020
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS1	0.007	0.008	0.019	0.017	0.013	0.028	0.047	0.048	0.059	0.065	0.5	0.031	0.015	0.016
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS1	0.005	0.008	0.015	0.013	0.017	0.036	0.056	0.070	0.092	0.073	0.5	0.038	0.019	0.019
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS1	0.009	0.011	0.017	0.022	0.018	0.033	0.046	0.060	0.089	0.085	0.5	0.039	0.020	0.020
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS1	0.009	0.010	0.017	0.014	0.016	0.030	0.047	0.075	0.097	0.118	0.5	0.044	0.022	0.022
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS1	0.009	0.010	0.011	0.012	0.018	0.033	0.044	0.067	0.084	0.096	0.5	0.040	0.020	0.020
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS1	0.002	0.010	0.013	0.012	0.019	0.047	0.072	0.092	0.101	0.122	0.5	0.051	0.025	0.026
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS1	0.009	0.007	0.011	0.013	0.014	0.026	0.041	0.060	0.085	0.101	0.5	0.038	0.019	0.019

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS2	0.004	0.006	0.008	0.007	0.013	0.022	0.038	0.041	0.044	0.074	0.5	0.025	0.013	0.013
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS2	0.005	0.006	0.008	0.011	0.013	0.019	0.034	0.054	0.058	0.054	0.5	0.026	0.013	0.013
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS2	0.004	0.006	0.007	0.008	0.012	0.020	0.036	0.043	0.062	0.091	0.5	0.029	0.014	0.015
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS2	0.001	0.005	0.010	0.013	0.018	0.026	0.040	0.046	0.060	0.059	0.5	0.028	0.014	0.014
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS2	0.002	0.006	0.007	0.012	0.022	0.033	0.050	0.053	0.062	0.064	0.5	0.031	0.016	0.016
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS2	0.004	0.006	0.012	0.022	0.027	0.031	0.054	0.064	0.061	0.075	0.5	0.036	0.018	0.018
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS2	0.004	0.011	0.011	0.011	0.021	0.034	0.043	0.043	0.053	0.069	0.5	0.031	0.015	0.016
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS2	0.003	0.007	0.010	0.007	0.012	0.031	0.042	0.055	0.072	0.070	0.5	0.032	0.016	0.016
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS2	0.005	0.009	0.010	0.015	0.020	0.029	0.042	0.048	0.048	0.063	0.5	0.030	0.015	0.015
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS3	0.002	0.003	0.002	0.006	0.004	0.004	0.005	0.007	0.013	0.015	0.5	0.006	0.003	0.003
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS3	0.005	0.005	0.004	0.002	0.003	0.003	0.006	0.009	0.006	0.008	0.5	0.005	0.003	0.003
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS3	0.001	0.002	0.001	0.001	0.002	0.003	0.004	0.008	0.008	0.007	0.5	0.004	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS3	0.004	0.004	0.003	0.006	0.007	0.007	0.010	0.010	0.013	0.018	0.5	0.008	0.004	0.004
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS3	0.003	0.003	0.002	0.002	0.002	0.003	0.006	0.008	0.009	0.012	0.5	0.005	0.003	0.003
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS3	0.002	0.002	0.002	0.002	0.003	0.004	0.006	0.006	0.008	0.009	0.5	0.004	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS3	0.003	0.003	0.002	0.005	0.008	0.008	0.012	0.012	0.015	0.019	0.5	0.009	0.004	0.005
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS3	0.003	0.005	0.003	0.003	0.004	0.005	0.008	0.014	0.015	0.018	0.5	0.008	0.004	0.004
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS3	0.002	0.003	0.003	0.003	0.003	0.005	0.006	0.008	0.009	0.013	0.5	0.006	0.003	0.003

Notes:

MPE calculations are defined in section 15.0

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Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS4	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.008	0.5	0.003	0.001	0.001
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS4	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.006	0.006	0.006	0.5	0.003	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS4	0.00	0.00	0.00	0.001	0.002	0.002	0.002	0.003	0.004	0.005	0.5	0.002	0.001	0.001
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS4	0.001	0.001	0.002	0.002	0.004	0.003	0.003	0.006	0.012	0.013	0.5	0.005	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS4	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.007	0.009	0.007	0.5	0.003	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS4	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.006	0.006	0.5	0.003	0.001	0.001
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS4	0.001	0.002	0.001	0.001	0.003	0.002	0.004	0.009	0.011	0.010	0.5	0.005	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS4	0.001	0.001	0.002	0.002	0.003	0.004	0.005	0.009	0.011	0.006	0.5	0.005	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS4	0.001	0.001	0.002	0.003	0.003	0.003	0.003	0.005	0.007	0.006	0.5	0.004	0.002	0.002
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	0.99	BS5	0.001	0.001	0.001	0.004	0.008	0.011	0.009	0.013	0.018	0.024	0.5	0.009	0.004	0.005
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	0.99	BS5	0.001	0.001	0.002	0.006	0.008	0.013	0.012	0.016	0.027	0.038	0.5	0.012	0.006	0.006
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	0.99	BS5	0.001	0.002	0.003	0.007	0.008	0.006	0.006	0.005	0.014	0.035	0.5	0.009	0.004	0.004
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS5	0.001	0.001	0.002	0.007	0.009	0.009	0.009	0.012	0.022	0.020	0.5	0.009	0.005	0.005
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.00	BS5	0.001	0.002	0.004	0.005	0.005	0.010	0.009	0.008	0.025	0.031	0.5	0.010	0.005	0.005
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.01	BS5	0.001	0.002	0.002	0.009	0.009	0.014	0.015	0.024	0.036	0.032	0.5	0.015	0.007	0.007
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.03	BS5	0.001	0.002	0.003	0.004	0.008	0.009	0.006	0.010	0.020	0.023	0.5	0.009	0.004	0.004
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.04	BS5	0.001	0.001	0.004	0.008	0.008	0.013	0.010	0.010	0.018	0.032	0.5	0.011	0.005	0.005
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.04	BS5	0.001	0.001	0.001	0.004	0.007	0.008	0.009	0.016	0.035	0.039	0.5	0.013	0.006	0.006

Notes:

MPE calculations are defined in section 15.0

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Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurement														
										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	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS1	0.008	0.016	0.017	0.019	0.036	0.061	0.088	0.105	0.115	0.082	0.5	0.054	0.027	0.027
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS1	0.007	0.009	0.013	0.031	0.053	0.091	0.100	0.092	0.089	0.065	0.5	0.054	0.027	0.027
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS1	0.009	0.014	0.030	0.037	0.030	0.056	0.078	0.080	0.076	0.049	0.5	0.045	0.023	0.023
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS1	0.009	0.010	0.025	0.022	0.028	0.067	0.105	0.119	0.096	0.069	0.5	0.055	0.027	0.028
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS1	0.012	0.013	0.024	0.040	0.033	0.054	0.087	0.102	0.096	0.075	0.5	0.054	0.027	0.027
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS1	0.010	0.011	0.027	0.029	0.025	0.055	0.086	0.132	0.144	0.115	0.5	0.064	0.032	0.032
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS1	0.009	0.012	0.012	0.017	0.027	0.045	0.076	0.099	0.108	0.086	0.5	0.051	0.025	0.025
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS1	0.001	0.019	0.015	0.015	0.022	0.063	0.111	0.141	0.136	0.099	0.5	0.065	0.032	0.033
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS1	0.008	0.005	0.009	0.016	0.021	0.045	0.069	0.090	0.095	0.070	0.5	0.045	0.022	0.022
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS2	0.006	0.007	0.013	0.021	0.028	0.040	0.063	0.064	0.044	0.043	0.5	0.032	0.016	0.016
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS2	0.007	0.009	0.017	0.018	0.026	0.046	0.069	0.082	0.070	0.044	0.5	0.038	0.019	0.019
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS2	0.007	0.010	0.010	0.015	0.027	0.041	0.052	0.061	0.075	0.075	0.5	0.037	0.018	0.019
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS2	0.002	0.007	0.016	0.029	0.038	0.046	0.068	0.073	0.074	0.059	0.5	0.041	0.021	0.021
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS2	0.006	0.009	0.011	0.016	0.037	0.059	0.089	0.090	0.081	0.063	0.5	0.046	0.023	0.024
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS2	0.008	0.009	0.014	0.030	0.044	0.051	0.079	0.095	0.092	0.085	0.5	0.051	0.026	0.026
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS2	0.003	0.011	0.013	0.013	0.024	0.046	0.068	0.069	0.067	0.068	0.5	0.039	0.020	0.020
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS2	0.006	0.008	0.015	0.014	0.014	0.039	0.058	0.074	0.085	0.069	0.5	0.040	0.020	0.020
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS2	0.002	0.009	0.010	0.013	0.026	0.047	0.066	0.074	0.073	0.061	0.5	0.040	0.020	0.020

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS3	0.005	0.006	0.004	0.011	0.011	0.011	0.010	0.018	0.019	0.018	0.5	0.011	0.006	0.006
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS3	0.005	0.009	0.009	0.009	0.006	0.008	0.014	0.016	0.010	0.008	0.5	0.009	0.005	0.005
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS3	0.003	0.004	0.002	0.003	0.005	0.008	0.007	0.012	0.011	0.008	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS3	0.005	0.005	0.004	0.009	0.014	0.015	0.018	0.022	0.020	0.022	0.5	0.013	0.007	0.007
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS3	0.004	0.004	0.002	0.002	0.004	0.006	0.010	0.010	0.009	0.011	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS3	0.002	0.002	0.002	0.004	0.004	0.007	0.011	0.009	0.009	0.009	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS3	0.002	0.003	0.002	0.004	0.008	0.009	0.013	0.015	0.017	0.017	0.5	0.009	0.005	0.005
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS3	0.004	0.007	0.006	0.005	0.007	0.011	0.017	0.021	0.020	0.020	0.5	0.012	0.006	0.006
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS3	0.001	0.003	0.003	0.003	0.003	0.005	0.009	0.009	0.009	0.011	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS4	0.003	0.003	0.005	0.006	0.006	0.004	0.004	0.007	0.009	0.011	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS4	0.002	0.003	0.004	0.004	0.005	0.005	0.007	0.010	0.010	0.008	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS4	0.001	0.001	0.001	0.002	0.004	0.004	0.004	0.007	0.008	0.007	0.5	0.004	0.002	0.002
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS4	0.003	0.002	0.004	0.005	0.010	0.010	0.011	0.018	0.026	0.020	0.5	0.011	0.005	0.005
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS4	0.002	0.002	0.002	0.002	0.002	0.004	0.008	0.013	0.014	0.010	0.5	0.006	0.003	0.003
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS4	0.001	0.001	0.003	0.005	0.005	0.003	0.003	0.005	0.008	0.007	0.5	0.004	0.002	0.002
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS4	0.003	0.003	0.003	0.004	0.005	0.006	0.010	0.016	0.017	0.010	0.5	0.008	0.004	0.004
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS4	0.002	0.002	0.004	0.006	0.007	0.008	0.008	0.015	0.016	0.007	0.5	0.008	0.004	0.004
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS4	0.001	0.002	0.003	0.004	0.004	0.004	0.005	0.009	0.011	0.008	0.5	0.005	0.003	0.003

Notes:

MPE calculations are defined in section 15.0
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Table M.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurement										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	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	0.99	BS5	0.003	0.003	0.003	0.011	0.018	0.026	0.023	0.025	0.035	0.037	0.5	0.018	0.009	0.009
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	0.99	BS5	0.002	0.004	0.006	0.014	0.020	0.028	0.025	0.032	0.052	0.063	0.5	0.024	0.012	0.012
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	0.99	BS5	0.002	0.004	0.009	0.015	0.020	0.017	0.012	0.017	0.032	0.049	0.5	0.018	0.009	0.009
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS5	0.002	0.003	0.005	0.014	0.018	0.017	0.018	0.027	0.045	0.039	0.5	0.019	0.009	0.009
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.00	BS5	0.001	0.006	0.009	0.011	0.018	0.019	0.018	0.022	0.050	0.046	0.5	0.020	0.010	0.010
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.01	BS5	0.001	0.002	0.005	0.017	0.022	0.026	0.029	0.038	0.066	0.052	0.5	0.026	0.013	0.013
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.03	BS5	0.001	0.004	0.005	0.008	0.014	0.016	0.014	0.020	0.033	0.032	0.5	0.015	0.008	0.008
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.04	BS5	0.001	0.002	0.006	0.013	0.017	0.020	0.016	0.020	0.036	0.039	0.5	0.018	0.009	0.009
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.04	BS5	0.001	0.002	0.006	0.008	0.014	0.016	0.018	0.029	0.057	0.047	0.5	0.021	0.010	0.010

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.00	PB	0.026	0.029	0.017	0.5	0.024	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.00	PB	0.037	0.025	0.022	0.5	0.028	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.00	PB	0.048	0.040	0.030	0.5	0.039	0.02	0.02
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	PB	0.020	0.033	0.040	0.5	0.031	0.02	0.02
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	PB	0.044	0.029	0.028	0.5	0.033	0.02	0.02
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	0.99	PB	0.030	0.022	0.028	0.5	0.026	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	0.99	PB	0.024	0.015	0.014	0.5	0.017	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	0.99	PB	0.017	0.014	0.016	0.5	0.016	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	0.99	PB	0.021	0.010	0.008	0.5	0.013	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	PB	0.032	0.031	0.023	0.5	0.029	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	PB	0.037	0.022	0.015	0.5	0.025	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	PB	0.043	0.029	0.020	0.5	0.031	0.02	0.02
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	PB	0.026	0.025	0.028	0.5	0.026	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	PB	0.037	0.026	0.028	0.5	0.030	0.02	0.02
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	PB	0.022	0.025	0.023	0.5	0.023	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	PB	0.015	0.011	0.013	0.5	0.013	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	PB	0.014	0.018	0.010	0.5	0.014	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	PB	0.032	0.020	0.016	0.5	0.022	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	PB	0.002	0.003	0.002	0.5	0.002	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	PB	0.001	0.001	0.001	0.5	0.001	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	PB	0.003	0.003	0.002	0.5	0.003	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	PB	0.009	0.005	0.004	0.5	0.006	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	PB	0.014	0.008	0.007	0.5	0.010	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	PB	0.019	0.021	0.023	0.5	0.021	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	PB	0.022	0.019	0.017	0.5	0.019	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	PB	0.012	0.014	0.013	0.5	0.013	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	PB	0.019	0.013	0.016	0.5	0.016	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.00	PB	0.033	0.030	0.027	0.5	0.030	0.02	0.02
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.00	PB	0.049	0.029	0.023	0.5	0.034	0.02	0.02
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.00	PB	0.051	0.036	0.025	0.5	0.037	0.02	0.02
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	PB	0.027	0.031	0.033	0.5	0.030	0.02	0.02
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	PB	0.041	0.029	0.028	0.5	0.032	0.02	0.02
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	0.99	PB	0.025	0.027	0.028	0.5	0.026	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	0.99	PB	0.011	0.017	0.011	0.5	0.013	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	0.99	PB	0.014	0.017	0.010	0.5	0.014	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	0.99	PB	0.019	0.012	0.015	0.5	0.015	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	PB	0.085	0.056	0.047	0.5	0.063	0.03	0.03
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	PB	0.124	0.065	0.044	0.5	0.078	0.04	0.04
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	PB	0.113	0.098	0.042	0.5	0.084	0.04	0.04
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	PB	0.079	0.063	0.052	0.5	0.065	0.03	0.03
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	PB	0.077	0.044	0.056	0.5	0.058	0.03	0.03
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	PB	0.048	0.033	0.040	0.5	0.040	0.02	0.02
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	PB	0.019	0.025	0.018	0.5	0.020	0.01	0.01
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	PB	0.013	0.019	0.010	0.5	0.014	0.01	0.01
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	PB	0.033	0.024	0.014	0.5	0.023	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.00	PF	0.016	0.027	0.022	0.5	0.022	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.00	PF	0.017	0.021	0.016	0.5	0.018	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.00	PF	0.011	0.016	0.016	0.5	0.014	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	PF	0.018	0.030	0.036	0.5	0.028	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	PF	0.019	0.034	0.029	0.5	0.027	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	0.99	PF	0.027	0.054	0.024	0.5	0.035	0.02	0.02
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	0.99	PF	0.029	0.022	0.012	0.5	0.021	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	0.99	PF	0.016	0.019	0.009	0.5	0.015	0.01	0.01
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	0.99	PF	0.009	0.011	0.006	0.5	0.009	0.00	0.00

Notes:

MPE calculations are defined in section 15.0
Blue fonts: Frequencies not regulated by FCC.

Table M.2 (Continued)

7/800 band - 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	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	PF	0.010	0.016	0.015	0.5	0.014	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	PF	0.010	0.018	0.007	0.5	0.012	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	PF	0.006	0.014	0.011	0.5	0.010	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	PF	0.019	0.019	0.021	0.5	0.020	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	PF	0.021	0.037	0.021	0.5	0.026	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	PF	0.015	0.047	0.013	0.5	0.025	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	PF	0.017	0.032	0.006	0.5	0.018	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	PF	0.020	0.029	0.008	0.5	0.019	0.01	0.01
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	PF	0.020	0.015	0.007	0.5	0.014	0.01	0.01

Notes:

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Table M.2 (Continued)

7/800 band - 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	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	PF	0.003	0.001	0.003	0.5	0.002	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	PF	0.003	0.004	0.002	0.5	0.003	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	PF	0.001	0.002	0.001	0.5	0.001	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	PF	0.012	0.007	0.006	0.5	0.008	0.00	0.00
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	PF	0.012	0.018	0.010	0.5	0.013	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	PF	0.009	0.029	0.012	0.5	0.017	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	PF	0.030	0.032	0.016	0.5	0.026	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	PF	0.024	0.026	0.008	0.5	0.019	0.01	0.01
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	PF	0.024	0.022	0.007	0.5	0.017	0.01	0.01

Notes:

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Table M.2 (Continued)

7/800 band - 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	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.00	PF	0.015	0.023	0.024	0.5	0.021	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.00	PF	0.021	0.024	0.015	0.5	0.020	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.00	PF	0.010	0.013	0.017	0.5	0.013	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	PF	0.028	0.019	0.027	0.5	0.025	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	PF	0.032	0.044	0.029	0.5	0.035	0.02	0.02
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	0.99	PF	0.017	0.049	0.013	0.5	0.026	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	0.99	PF	0.026	0.029	0.006	0.5	0.020	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	0.99	PF	0.028	0.027	0.011	0.5	0.022	0.01	0.01
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	0.99	PF	0.027	0.017	0.007	0.5	0.017	0.01	0.01

Notes:

MPE calculations are defined in section 15.0
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Table M.2 (Continued)

7/800 band - 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	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	PF	0.028	0.039	0.038	0.5	0.035	0.02	0.02
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	PF	0.031	0.043	0.023	0.5	0.032	0.02	0.02
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	PF	0.021	0.034	0.023	0.5	0.026	0.01	0.01
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	PF	0.061	0.033	0.044	0.5	0.046	0.02	0.02
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	PF	0.049	0.079	0.033	0.5	0.053	0.03	0.03
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	PF	0.025	0.061	0.024	0.5	0.036	0.02	0.02
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	PF	0.039	0.040	0.015	0.5	0.031	0.02	0.02
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	PF	0.025	0.038	0.011	0.5	0.024	0.01	0.01
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	PF	0.026	0.017	0.006	0.5	0.016	0.01	0.01

Notes:

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