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
Motorola Solutions Malaysia Sdn Bhd (Innoplex)
Plot 2A, Medan Bayan Lepas,
Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.

Date of Report: 7/9/2018
Report Revision: A

Responsible Engineer:	Saw Sun Hock (EME Engineer)
Report author:	Saw Sun Hock (EME Engineer)
Date(s) Tested:	4/25/2018-6/29/2018
Manufacturer:	Motorola Solutions Inc.
Date submitted for test:	12/4/2018
DUT Description:	APX8500 mobile All Bands (VHF, UHF, 7/800)
Test TX mode(s):	CW
Max. Power output:	120W (136-174 MHz), 120 W (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:	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, FHSS (Bluetooth), 802.11b/g/n (WLAN 2.4 GHz), 802.11 a/n/ac (WLAN 5 GHz)
Model(s) Tested:	M37TXS9PW1AN (HUW1001A)
Model(s) Certified:	M37TXS9PW1AN (HUW1001A)
Serial Number(s):	681P3A0098
Classification:	Occupational/Controlled Environment
FCC ID:	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

Tiong Nguk Ing
Deputy Technical Manager
Approval Date: 7/9/2018

Tiong Nguk Ing Digitally signed by Tiong Nguk Ing Date: 2018.07.09 07:34:58 +08'00'

Appendix H – MPE Measurement Results for LMR VHF

Table H.1

VHF band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	136.0000	120.0	117	CW	E	1.01	BS	0.147	0.336	0.438	0.428	0.377	0.389	0.535	0.641	0.623	0.520	0.5	0.448	0.22	0.23
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	112	CW	E	1.02	BS	0.184	0.373	0.383	0.325	0.320	0.478	0.685	0.749	0.671	0.566	0.5	0.483	0.24	0.26
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	110	CW	E	1.02	BS	0.221	0.403	0.406	0.341	0.335	0.436	0.657	0.700	0.698	0.574	0.5	0.487	0.24	0.27
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	120	CW	E	1.01	BS	0.228	0.419	0.366	0.261	0.313	0.492	0.730	0.810	0.699	0.652	0.5	0.502	0.25	0.25
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	114	CW	E	1.00	BS	0.165	0.261	0.199	0.113	0.139	0.288	0.496	0.560	0.565	0.595	0.5	0.338	0.17	0.18
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	115	CW	E	0.99	BS	0.124	0.173	0.108	0.087	0.211	0.459	0.720	0.869	0.963	0.954	0.5	0.462	0.23	0.24
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	117	CW	E	1.01	BS	0.046	0.085	0.093	0.065	0.048	0.123	0.332	0.603	0.876	0.969	0.5	0.327	0.16	0.17
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	112	CW	E	1.02	BS	0.060	0.106	0.094	0.050	0.039	0.144	0.352	0.626	0.829	0.861	0.5	0.322	0.16	0.17
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	110	CW	E	1.02	BS	0.062	0.108	0.093	0.055	0.060	0.170	0.364	0.583	0.763	0.835	0.5	0.315	0.16	0.17
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	120	CW	E	1.01	BS	0.079	0.123	0.100	0.047	0.055	0.179	0.406	0.688	0.872	0.892	0.5	0.348	0.17	0.17
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	114	CW	E	1.00	BS	0.075	0.107	0.082	0.043	0.066	0.184	0.371	0.563	0.704	0.773	0.5	0.297	0.15	0.16
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	115	CW	E	0.99	BS	0.078	0.103	0.063	0.031	0.094	0.262	0.556	0.888	1.148	1.229	0.5	0.441	0.22	0.23

Notes:

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

Table H.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	117	CW	E	1.01	BS	0.043	0.086	0.099	0.089	0.088	0.148	0.344	0.646	0.906	0.978	0.5	0.346	0.17	0.18
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	113	CW	E	1.02	BS	0.070	0.128	0.120	0.076	0.071	0.158	0.369	0.659	0.837	0.854	0.5	0.341	0.17	0.18
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	110	CW	E	1.02	BS	0.071	0.124	0.121	0.092	0.101	0.186	0.364	0.608	0.790	0.842	0.5	0.336	0.17	0.18
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	120	CW	E	1.01	BS	0.101	0.161	0.127	0.072	0.091	0.212	0.456	0.733	0.877	0.900	0.5	0.377	0.19	0.19
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	114	CW	E	1.00	BS	0.110	0.169	0.125	0.063	0.070	0.174	0.390	0.625	0.731	0.804	0.5	0.326	0.16	0.17
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	115	CW	E	0.99	BS	0.094	0.121	0.066	0.043	0.137	0.333	0.638	0.903	1.065	1.105	0.5	0.446	0.22	0.23
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	117	CW	E	1.01	BS	0.157	0.366	0.485	0.480	0.409	0.420	0.600	0.710	0.676	0.553	0.5	0.490	0.25	0.25
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	113	CW	E	1.02	BS	0.191	0.394	0.431	0.375	0.353	0.571	0.802	0.911	0.806	0.673	0.5	0.562	0.28	0.30
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	110	CW	E	1.02	BS	0.223	0.450	0.431	0.348	0.347	0.473	0.667	0.744	0.622	0.594	0.5	0.500	0.25	0.27
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	119	CW	E	1.01	BS	0.203	0.356	0.325	0.236	0.272	0.456	0.708	0.720	0.641	0.583	0.5	0.455	0.23	0.23
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	115	CW	E	1.01	BS	0.212	0.353	0.287	0.199	0.241	0.415	0.645	0.720	0.694	0.696	0.5	0.449	0.22	0.23

Notes:

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Table H.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	112	CW	E	1.02	BS	0.136	0.275	0.284	0.245	0.171	0.353	0.505	0.533	0.461	0.377	0.5	0.340	0.17	0.18
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	110	CW	E	1.02	BS	0.162	0.286	0.281	0.228	0.216	0.306	0.429	0.443	0.401	0.366	0.5	0.318	0.16	0.17
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	120	CW	E	1.01	BS	0.259	0.407	0.352	0.257	0.333	0.515	0.767	0.797	0.745	0.697	0.5	0.518	0.26	0.26
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	BS	0.311	0.235	0.144	0.212	0.358	0.559	0.636	0.630	0.640	0.632	0.5	0.436	0.22	0.23
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	BS	0.122	0.154	0.093	0.089	0.220	0.481	0.699	0.813	0.877	0.851	0.5	0.436	0.22	0.23
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	117	CW	E	1.01	BS	0.150	0.318	0.397	0.384	0.336	0.342	0.478	0.545	0.507	0.432	0.5	0.393	0.20	0.20
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	113	CW	E	1.02	BS	0.187	0.372	0.376	0.309	0.305	0.455	0.701	0.781	0.673	0.556	0.5	0.481	0.24	0.26
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	110	CW	E	1.02	BS	0.230	0.392	0.386	0.306	0.288	0.429	0.584	0.639	0.558	0.515	0.5	0.441	0.22	0.24
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	120	CW	E	1.01	BS	0.207	0.338	0.294	0.213	0.256	0.420	0.629	0.689	0.628	0.596	0.5	0.431	0.22	0.22
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	BS	0.157	0.228	0.166	0.099	0.129	0.247	0.416	0.485	0.475	0.499	0.5	0.290	0.15	0.15
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	BS	0.096	0.118	0.070	0.064	0.176	0.347	0.544	0.633	0.687	0.700	0.5	0.340	0.17	0.18

Notes:

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Table H.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	117	CW	E	1.01	BS	0.216	0.461	0.582	0.543	0.472	0.517	0.700	0.812	0.759	0.637	0.5	0.576	0.29	0.30
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	115	CW	E	1.02	BS	0.235	0.469	0.521	0.426	0.347	0.410	0.644	0.753	0.712	0.608	0.5	0.523	0.26	0.27
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	113	CW	E	1.02	BS	0.218	0.410	0.427	0.348	0.345	0.519	0.797	0.888	0.775	0.636	0.5	0.547	0.27	0.29
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	113	CW	E	1.02	BS	0.213	0.402	0.419	0.338	0.332	0.482	0.772	0.830	0.732	0.597	0.5	0.522	0.26	0.28
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	110	CW	E	1.02	BS	0.270	0.470	0.461	0.366	0.334	0.497	0.708	0.739	0.647	0.600	0.5	0.519	0.26	0.28
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	110	CW	E	1.02	BS	0.222	0.363	0.361	0.272	0.273	0.378	0.526	0.556	0.500	0.452	0.5	0.398	0.20	0.22
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	119	CW	E	1.01	BS	0.249	0.407	0.360	0.257	0.317	0.510	0.717	0.739	0.675	0.597	0.5	0.489	0.24	0.25
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	115	CW	E	1.01	BS	0.208	0.349	0.298	0.226	0.260	0.458	0.693	0.654	0.681	0.683	0.5	0.457	0.23	0.24
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	115	CW	E	1.01	BS	0.195	0.307	0.260	0.177	0.216	0.351	0.522	0.551	0.543	0.531	0.5	0.370	0.18	0.19
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	114	CW	E	1.00	BS	0.195	0.294	0.221	0.131	0.165	0.327	0.494	0.558	0.571	0.566	0.5	0.353	0.18	0.19
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	115	CW	E	0.99	BS	0.124	0.150	0.090	0.095	0.218	0.470	0.681	0.794	0.829	0.820	0.5	0.424	0.21	0.22

Notes:

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Table H.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	117	CW	H	0.89	BS	0.088	0.094	0.099	0.111	0.132	0.159	0.171	0.170	0.162	0.147	0.5	0.554	0.28	0.28
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	146.0000	120.0	112	CW	H	0.88	BS	0.099	0.102	0.112	0.130	0.153	0.173	0.174	0.164	0.165	0.158	0.5	0.622	0.31	0.33
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	120.0	110	CW	H	0.88	BS	0.103	0.107	0.111	0.128	0.148	0.162	0.170	0.164	0.169	0.164	0.5	0.613	0.31	0.33
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	120.0	120	CW	H	0.87	BS	0.107	0.110	0.118	0.138	0.158	0.171	0.170	0.167	0.176	0.183	0.5	0.667	0.33	0.33
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	120.0	114	CW	H	0.87	BS	0.091	0.089	0.092	0.106	0.118	0.131	0.141	0.152	0.175	0.180	0.5	0.491	0.25	0.26
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	120.0	115	CW	H	0.86	BS	0.081	0.077	0.081	0.114	0.133	0.152	0.160	0.179	0.203	0.212	0.5	0.606	0.30	0.32
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	136.0000	120.0	117	CW	H	0.89	BS	0.057	0.063	0.068	0.067	0.076	0.089	0.098	0.098	0.105	0.123	0.5	0.223	0.11	0.11
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	146.0000	120.0	112	CW	H	0.88	BS	0.058	0.062	0.065	0.066	0.078	0.086	0.096	0.102	0.128	0.156	0.5	0.263	0.13	0.14
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	150.8000	120.0	110	CW	H	0.88	BS	0.062	0.066	0.075	0.077	0.084	0.085	0.087	0.095	0.119	0.151	0.5	0.255	0.13	0.14
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	158.0125	120.0	120	CW	H	0.87	BS	0.059	0.065	0.077	0.075	0.077	0.086	0.103	0.121	0.155	0.192	0.5	0.342	0.17	0.17
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	165.0125	120.0	114	CW	H	0.87	BS	0.063	0.067	0.080	0.070	0.076	0.085	0.103	0.125	0.152	0.175	0.5	0.320	0.16	0.17
Roof	RAD4010ARB, 1/2 Wave (136-174MHz)	5.15	173.0125	120.0	115	CW	H	0.86	BS	0.066	0.063	0.073	0.080	0.098	0.115	0.135	0.161	0.191	0.225	0.5	0.487	0.24	0.25

Notes:

MPE calculations are defined in section 15.0
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Table H.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	117	CW	H	0.89	BS	0.052	0.056	0.065	0.064	0.072	0.082	0.091	0.106	0.128	0.159	0.5	0.258	0.13	0.13
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	144.0000	120.0	113	CW	H	0.88	BS	0.057	0.059	0.062	0.073	0.085	0.097	0.108	0.122	0.146	0.172	0.5	0.322	0.16	0.17
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	150.8000	120.0	110	CW	H	0.88	BS	0.055	0.068	0.073	0.074	0.081	0.086	0.096	0.110	0.145	0.174	0.5	0.306	0.15	0.17
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	158.0125	120.0	120	CW	H	0.87	BS	0.063	0.073	0.084	0.086	0.097	0.105	0.121	0.140	0.179	0.209	0.5	0.443	0.22	0.22
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	165.0125	120.0	114	CW	H	0.87	BS	0.080	0.073	0.081	0.082	0.091	0.101	0.119	0.144	0.180	0.205	0.5	0.434	0.22	0.23
Roof	HAD4022A, 5/8 Wave (132-174MHz)	5.15	173.0125	120.0	115	CW	H	0.86	BS	0.074	0.071	0.081	0.096	0.122	0.131	0.151	0.172	0.206	0.225	0.5	0.570	0.29	0.30
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	136.0000	120.0	117	CW	H	0.89	BS	0.091	0.098	0.108	0.120	0.143	0.166	0.180	0.179	0.169	0.152	0.5	0.615	0.31	0.32
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	144.0000	120.0	113	CW	H	0.88	BS	0.093	0.101	0.105	0.121	0.142	0.167	0.181	0.179	0.177	0.151	0.5	0.621	0.31	0.33
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	150.8000	120.0	110	CW	H	0.88	BS	0.108	0.114	0.117	0.140	0.157	0.176	0.179	0.175	0.174	0.171	0.5	0.687	0.34	0.37
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	156.4000	120.0	119	CW	H	0.87	BS	0.098	0.104	0.114	0.133	0.152	0.164	0.165	0.162	0.171	0.175	0.5	0.619	0.31	0.31
Roof	HAD4016A, 1/4 Wave (136-162MHz)	2.15	162.0000	120.0	115	CW	H	0.87	BS	0.103	0.104	0.109	0.124	0.138	0.149	0.157	0.166	0.184	0.193	0.5	0.609	0.30	0.32

Notes:

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

Table H.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	112	CW	H	0.88	BS	0.084	0.091	0.093	0.115	0.132	0.147	0.150	0.144	0.141	0.132	0.5	0.459	0.23	0.25
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	150.8000	120.0	110	CW	H	0.88	BS	0.089	0.091	0.098	0.111	0.128	0.142	0.145	0.140	0.141	0.135	0.5	0.449	0.22	0.25
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	158.0125	120.0	120	CW	H	0.87	BS	0.107	0.113	0.122	0.142	0.159	0.170	0.172	0.168	0.175	0.181	0.5	0.675	0.34	0.34
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	BS	0.093	0.092	0.093	0.107	0.125	0.140	0.153	0.163	0.183	0.189	0.5	0.544	0.27	0.29
Roof	HAD4017A, 1/4 Wave (146-174MHz)	2.15	173.0125	120.0	115	CW	H	0.86	BS	0.082	0.078	0.086	0.112	0.139	0.154	0.166	0.176	0.198	0.202	0.5	0.600	0.30	0.31
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	136.0000	120.0	117	CW	H	0.89	BS	0.088	0.093	0.099	0.112	0.132	0.158	0.171	0.169	0.162	0.144	0.5	0.550	0.27	0.28
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	144.0000	120.0	113	CW	H	0.88	BS	0.096	0.105	0.113	0.133	0.155	0.181	0.182	0.178	0.170	0.161	0.5	0.667	0.33	0.35
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	150.8000	120.0	110	CW	H	0.88	BS	0.101	0.107	0.114	0.130	0.146	0.165	0.170	0.168	0.167	0.162	0.5	0.616	0.31	0.34
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	158.0125	120.0	120	CW	H	0.87	BS	0.095	0.103	0.112	0.130	0.146	0.157	0.158	0.158	0.171	0.175	0.5	0.589	0.29	0.29
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	BS	0.084	0.083	0.086	0.100	0.109	0.125	0.138	0.149	0.167	0.172	0.5	0.448	0.22	0.24
Roof	HAD4021A, 1/4 Wave (136-174MHz)	2.15	173.0125	120.0	115	CW	H	0.83	BS	0.066	0.061	0.071	0.093	0.114	0.128	0.140	0.156	0.178	0.188	0.5	0.421	0.21	0.22

Notes:

MPE calculations are defined in section 15.0
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Table H.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	117	CW	H	0.89	BS	0.103	0.109	0.116	0.132	0.154	0.185	0.201	0.200	0.190	0.172	0.5	0.761	0.38	0.39
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	120.0	115	CW	H	0.88	BS	0.108	0.109	0.111	0.134	0.159	0.185	0.197	0.194	0.186	0.171	0.5	0.747	0.37	0.39
Roof	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	120.0	113	CW	H	0.88	BS	0.103	0.109	0.117	0.139	0.164	0.186	0.194	0.186	0.183	0.171	0.5	0.742	0.37	0.39
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	120.0	113	CW	H	0.88	BS	0.099	0.104	0.114	0.135	0.160	0.188	0.189	0.180	0.175	0.163	0.5	0.701	0.35	0.37
Roof	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	120.0	110	CW	H	0.88	BS	0.112	0.114	0.122	0.140	0.161	0.182	0.189	0.183	0.182	0.176	0.5	0.744	0.37	0.41
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	120.0	110	CW	H	0.87	BS	0.098	0.100	0.105	0.120	0.141	0.156	0.161	0.156	0.154	0.150	0.5	0.530	0.26	0.29
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	120.0	119	CW	H	0.87	BS	0.106	0.110	0.122	0.145	0.165	0.181	0.182	0.176	0.178	0.180	0.5	0.714	0.36	0.36
Roof	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	120.0	115	CW	H	0.87	BS	0.106	0.109	0.119	0.128	0.146	0.159	0.163	0.168	0.185	0.192	0.5	0.646	0.32	0.34
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	120.0	115	CW	H	0.87	BS	0.099	0.102	0.110	0.117	0.135	0.147	0.151	0.151	0.166	0.171	0.5	0.538	0.27	0.28
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	165.0125	120.0	114	CW	H	0.87	BS	0.094	0.092	0.098	0.115	0.135	0.155	0.164	0.165	0.184	0.185	0.5	0.581	0.29	0.31
Roof	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.0125	120.0	115	CW	H	0.86	BS	0.082	0.072	0.090	0.119	0.144	0.160	0.167	0.173	0.196	0.203	0.5	0.610	0.30	0.32

Notes:

MPE calculations are defined in section 15.0
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Table H.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
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Table H.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
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Table H.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 H.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:

MPE calculations are defined in section 15.0
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Table H.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:

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

Table H.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:

MPE calculations are defined in section 15.0
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Table H.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 H.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:

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Table H.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:

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Table H.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:

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Table H.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:

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Table H.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:

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

Table H.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 H.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 H.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
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Table H.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
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Table H.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 I – MPE Measurement Results for LMR UHF R1

Table I.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	1.00	BS	0.030	0.012	0.041	0.026	0.126	0.263	0.304	0.246	0.277	0.439	0.5	0.176	0.09	0.09
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	393.0125	120.0	120.0	CW	E	1.00	BS	0.021	0.018	0.054	0.061	0.277	0.305	0.313	0.329	0.399	0.522	0.5	0.230	0.11	0.11
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	120.0	118.0	CW	E	1.02	BS	0.009	0.030	0.049	0.159	0.355	0.439	0.466	0.452	0.490	0.700	0.5	0.321	0.16	0.16
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	120.0	111.0	CW	E	1.02	BS	0.024	0.048	0.094	0.240	0.345	0.364	0.441	0.467	0.419	0.515	0.5	0.302	0.15	0.16
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	120.0	108.0	CW	E	1.02	BS	0.032	0.051	0.106	0.243	0.304	0.342	0.426	0.443	0.430	0.483	0.5	0.292	0.15	0.16
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	BS	0.036	0.058	0.116	0.249	0.314	0.374	0.466	0.477	0.503	0.602	0.5	0.326	0.16	0.16
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.038	0.065	0.105	0.208	0.229	0.282	0.348	0.431	0.433	0.519	0.5	0.271	0.14	0.14
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	380.0125	120.0	115.0	CW	E	1.00	BS	0.036	0.014	0.041	0.028	0.121	0.255	0.317	0.230	0.192	0.353	0.5	0.159	0.08	0.08
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	393.0125	120.0	120.0	CW	E	1.00	BS	0.028	0.024	0.066	0.058	0.256	0.383	0.380	0.312	0.305	0.471	0.5	0.228	0.11	0.11
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	406.5000	120.0	118.0	CW	E	1.01	BS	0.011	0.026	0.046	0.115	0.348	0.470	0.531	0.372	0.235	0.400	0.5	0.258	0.13	0.13
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	419.5000	120.0	113.0	CW	E	1.02	BS	0.023	0.041	0.091	0.258	0.463	0.479	0.523	0.362	0.158	0.264	0.5	0.272	0.14	0.14
Roof	HAE6010A, 1/2 Wave (380-433MHz)	5.65	432.9875	120.0	108.0	CW	E	1.03	BS	0.036	0.043	0.091	0.200	0.317	0.405	0.518	0.406	0.126	0.210	0.5	0.242	0.12	0.13

Notes:

MPE calculations are defined in section 15.0
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Table I.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	1.00	BS	0.002	0.004	0.004	0.003	0.003	0.020	0.138	0.406	0.571	0.488	0.5	0.164	0.08	0.09
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	393.0125	120.0	120.0	CW	E	1.00	BS	0.006	0.009	0.010	0.018	0.021	0.035	0.155	0.522	0.951	0.787	0.5	0.251	0.13	0.13
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	406.5000	120.0	118.0	CW	E	1.01	BS	0.007	0.014	0.018	0.034	0.071	0.086	0.253	0.676	1.175	0.983	0.5	0.335	0.17	0.17
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	419.5000	120.0	113.0	CW	E	1.02	BS	0.014	0.018	0.039	0.066	0.101	0.107	0.203	0.650	1.010	0.881	0.5	0.315	0.16	0.17
Roof	HAE6011A, 5/8 Wave (380-433MHz)	7.15	432.9875	120.0	108.0	CW	E	1.03	BS	0.013	0.021	0.043	0.073	0.085	0.089	0.212	0.610	0.974	0.804	0.5	0.301	0.15	0.17
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	380.0125	120.0	115.0	CW	E	1.03	BS	0.006	0.002	0.006	0.007	0.030	0.069	0.115	0.153	0.162	0.138	0.5	0.071	0.04	0.04
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	393.0125	120.0	120.0	CW	E	1.03	BS	0.005	0.005	0.013	0.014	0.050	0.078	0.125	0.202	0.237	0.202	0.5	0.096	0.05	0.05
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	120.0	118.0	CW	E	1.02	BS	0.001	0.003	0.005	0.019	0.047	0.070	0.128	0.193	0.212	0.180	0.5	0.088	0.04	0.04
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	419.5000	120.0	113.0	CW	E	1.02	BS	0.003	0.009	0.017	0.058	0.093	0.114	0.164	0.224	0.248	0.217	0.5	0.117	0.06	0.06
Roof	HAE6012A, 1/4 Wave (380-433MHz)	2.15	432.9875	120.0	108.0	CW	E	1.02	BS	0.005	0.011	0.021	0.044	0.062	0.081	0.128	0.176	0.189	0.160	0.5	0.089	0.04	0.05

Notes:

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

Table I.1 (Continued)

UHF R1 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	HAE6013A, 1/2 Wave (380-470MHz)	4.15	380.0125	120.0	115.0	CW	E	1.00	BS	0.018	0.007	0.022	0.022	0.114	0.287	0.464	0.573	0.568	0.466	0.5	0.254	0.13	0.13
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	393.0125	120.0	120.0	CW	E	1.00	BS	0.01	0.02	0.04	0.048	0.199	0.34	0.56	0.822	0.917	0.705	0.5	0.366	0.18	0.18
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	406.5000	120.0	118.0	CW	E	1.01	BS	0.007	0.021	0.027	0.103	0.274	0.408	0.635	0.942	0.94	0.764	0.5	0.416	0.21	0.21
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	422.0125	120.0	111.0	CW	E	1.02	BS	0.01	0.026	0.08	0.227	0.347	0.443	0.698	0.939	0.935	0.616	0.5	0.441	0.22	0.24
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	438.0125	120.0	108.0	CW	E	1.03	BS	0.03	0.037	0.115	0.238	0.318	0.413	0.631	0.935	0.969	0.736	0.5	0.455	0.23	0.25
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119.0	CW	E	1.02	BS	0.02	0.038	0.071	0.175	0.238	0.313	0.549	0.813	0.89	0.65	0.5	0.383	0.19	0.19
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	BS	0.029	0.041	0.079	0.148	0.207	0.285	0.469	0.731	0.752	0.57	0.5	0.348	0.17	0.17
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.026	0.047	0.067	0.123	0.161	0.216	0.364	0.658	0.68	0.597	0.5	0.300	0.15	0.16
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	380.0125	120.0	115.0	CW	E	1.00	BS	0.022	0.001	0.036	0.027	0.109	0.312	0.523	0.708	0.727	0.612	0.5	0.308	0.15	0.161
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	393.0125	120.0	120.0	CW	E	1.00	BS	0.013	0.021	0.055	0.064	0.167	0.295	0.495	0.718	0.783	0.638	0.5	0.325	0.16	0.162
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	406.5000	120.0	118.0	CW	E	1.01	BS	0.004	0.007	0.018	0.067	0.213	0.229	0.636	0.846	0.867	0.601	0.5	0.352	0.18	0.179
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	422.0125	120.0	111.0	CW	E	1.02	BS	0.013	0.028	0.068	0.203	0.343	0.403	0.649	0.912	0.947	0.675	0.5	0.433	0.22	0.234
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	438.0125	120.0	108.0	CW	E	1.02	BS	0.02	0.037	0.081	0.201	0.264	0.32	0.532	0.798	0.788	0.569	0.5	0.368	0.18	0.205
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	BS	0.033	0.058	0.102	0.207	0.036	0.48	0.755	1.011	1.023	0.765	0.5	0.465	0.23	0.234
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.049	0.067	0.103	0.179	0.214	0.352	0.583	0.882	0.865	0.65	0.5	0.402	0.20	0.208

Notes:

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

Table I.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	1.02	BS	0.014	0.016	0.020	0.052	0.061	0.058	0.074	0.333	0.815	0.980	0.5	0.247	0.12	0.12
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	1.02	BS	0.011	0.020	0.026	0.048	0.045	0.038	0.108	0.403	0.761	0.734	0.5	0.224	0.11	0.11
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.016	0.026	0.051	0.087	0.100	0.114	0.259	0.631	1.049	0.976	0.5	0.338	0.17	0.17
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	1.04	BS	0.007	0.005	0.009	0.010	0.014	0.029	0.263	0.902	1.297	0.901	0.5	0.357	0.18	0.18
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	1.05	BS	0.009	0.007	0.014	0.015	0.017	0.022	0.175	0.652	0.994	0.664	0.5	0.270	0.13	0.13
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	1.06	BS	0.016	0.014	0.030	0.044	0.050	0.062	0.255	0.677	1.322	0.946	0.5	0.362	0.18	0.19
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	BS	0.026	0.040	0.084	0.198	0.284	0.380	0.587	0.867	0.992	0.830	0.5	0.437	0.22	0.22
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	1.02	BS	0.022	0.047	0.082	0.187	0.222	0.290	0.486	0.770	0.866	0.746	0.5	0.379	0.19	0.19
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.031	0.061	0.099	0.199	0.227	0.297	0.492	0.842	0.969	0.760	0.5	0.406	0.20	0.21
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	BS	0.031	0.059	0.122	0.211	0.309	0.441	0.793	1.168	1.163	0.844	0.5	0.535	0.27	0.27
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	BS	0.029	0.065	0.113	0.245	0.254	0.349	0.586	0.870	0.974	0.775	0.5	0.447	0.22	0.22
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.054	0.069	0.106	0.209	0.218	0.368	0.625	0.944	0.966	0.742	0.5	0.439	0.22	0.23

Notes:

MPE calculations are defined in section 15.0
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Table I.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	1.04	BS	0.015	0.023	0.042	0.081	0.114	0.160	0.276	0.446	0.502	0.455	0.5	0.220	0.11	0.11
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	1.05	BS	0.013	0.025	0.041	0.084	0.095	0.134	0.236	0.395	0.455	0.411	0.5	0.198	0.10	0.10
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	BS	0.027	0.042	0.066	0.116	0.153	0.247	0.373	0.658	0.823	0.704	0.5	0.340	0.17	0.18

Notes:

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

Table I.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 I.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 I.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 I.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 I.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 I.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 I.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
Blue fonts: Frequencies not regulated by FCC.

Appendix J – MPE Measurement Results for LMR UHF R2

Table J.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements													
										Bystander (BS) Positions													
[2]Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	[3] Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	[4] Probe Cal. Factor	[5] 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	1.02	BS	0.036	0.058	0.116	0.249	0.314	0.374	0.466	0.477	0.503	0.602	0.5	0.326	0.163	0.164
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.038	0.065	0.105	0.208	0.229	0.282	0.348	0.431	0.433	0.519	0.5	0.271	0.136	0.140
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	120.0	118.0	CW	E	1.07	BS	0.031	0.082	0.098	0.214	0.287	0.380	0.547	0.530	0.410	0.501	0.5	0.330	0.165	0.168
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	47.4	CW	E	1.08	BS	0.014	0.032	0.034	0.097	0.136	0.138	0.201	0.186	0.156	0.245	0.5	0.134	0.067	0.068
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.9	CW	E	1.08	BS	0.012	0.028	0.037	0.114	0.115	0.100	0.187	0.189	0.168	0.216	0.5	0.126	0.063	0.063
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	519.9875	30.0	29.9	CW	E	1.09	BS	0.009	0.016	0.027	0.068	0.058	0.059	0.127	0.125	0.096	0.112	0.5	0.076	0.038	0.038
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	450.0125	120.0	119	CW	E	1.02	BS	0.02	0.038	0.071	0.175	0.238	0.313	0.549	0.813	0.89	0.65	0.5	0.383	0.19	0.193
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	460.0000	120.0	120	CW	E	1.05	BS	0.029	0.041	0.079	0.148	0.207	0.285	0.469	0.731	0.752	0.57	0.5	0.348	0.17	0.174
Roof	HAE6013A, 1/2 Wave (380-470MHz)	4.15	469.9875	120.0	116	CW	E	1.02	BS	0.026	0.047	0.067	0.123	0.161	0.216	0.364	0.658	0.68	0.597	0.5	0.300	0.15	0.155

Notes:

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

Table J.1 (Continued)

UHF R2 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements														
										Bystander (BS) Positions														
[2] Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	[3] Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	[4] Probe Cal. Factor	[5] 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	1.04	BS	0.033	0.058	0.102	0.207	0.36	0.48	0.755	1.011	1.023	0.765	0.5	0.499	0.25	0.251
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.049	0.067	0.103	0.179	0.214	0.352	0.583	0.882	0.865	0.65	0.5	0.402	0.20	0.208
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	482.5000	120.0	118.0	CW	E	1.07	BS	0.029	0.06	0.075	0.173	0.271	0.401	0.737	1.047	1.012	0.795	0.5	0.492	0.25	0.250
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	496.5000	48.0	47.4	CW	E	1.08	BS	0.012	0.024	0.03	0.075	0.115	0.135	0.236	0.376	0.406	0.363	0.5	0.191	0.10	0.097
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	511.9875	48.0	47.9	CW	E	1.08	BS	0.01	0.024	0.037	0.103	0.106	0.111	0.282	0.441	0.508	0.431	0.5	0.222	0.11	0.111
Roof	HAE6031A, 1/2 Wave (380-520MHz)	4.15	519.9875	30.0	29.9	CW	E	1.09	BS	0.006	0.009	0.017	0.041	0.036	0.043	0.127	0.187	0.184	0.129	0.5	0.085	0.04	0.043
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	450.0125	120.0	119.0	CW	E	1.02	BS	0.014	0.016	0.02	0.052	0.061	0.058	0.074	0.333	0.815	0.98	0.5	0.247	0.124	0.125
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	460.0000	120.0	120.0	CW	E	1.02	BS	0.011	0.02	0.026	0.048	0.045	0.038	0.108	0.403	0.761	0.734	0.5	0.224	0.112	0.112
Roof	RAE4014ARB, 5/8 Wave (445-470MHz)	7.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.016	0.026	0.051	0.087	0.1	0.114	0.259	0.631	1.049	0.976	0.5	0.338	0.169	0.175
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	450.0125	120.0	119.0	CW	E	1.04	BS	0.007	0.005	0.009	0.01	0.014	0.029	0.263	0.902	1.297	0.901	0.5	0.357	0.18	0.180
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	460.0000	120.0	120.0	CW	E	1.05	BS	0.009	0.007	0.014	0.015	0.017	0.022	0.175	0.652	0.994	0.664	0.5	0.270	0.13	0.135
Roof	HAE4011A, 1/2 Wave (450-470MHz)	5.65	469.9875	120.0	116.0	CW	E	1.06	BS	0.016	0.014	0.03	0.044	0.05	0.062	0.255	0.677	1.322	0.946	0.5	0.362	0.18	0.187

Notes:

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

UHF R2 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	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0125	120.0	119.0	CW	E	1.02	BS	0.026	0.040	0.084	0.198	0.284	0.380	0.587	0.867	0.992	0.830	0.5	0.437	0.22	0.22
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	120.0	120.0	CW	E	1.02	BS	0.022	0.047	0.082	0.187	0.222	0.290	0.486	0.770	0.866	0.746	0.5	0.379	0.19	0.19
Roof	HAE4003A, 1/4 Wave (450-470MHz)	2.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.031	0.061	0.099	0.199	0.227	0.297	0.492	0.842	0.969	0.760	0.5	0.406	0.20	0.21
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	450.0125	120.0	119.0	CW	E	1.04	BS	0.031	0.059	0.122	0.211	0.309	0.441	0.793	1.168	1.163	0.844	0.5	0.535	0.27	0.27
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	460.0000	120.0	120.0	CW	E	1.05	BS	0.029	0.065	0.113	0.245	0.254	0.349	0.586	0.870	0.974	0.775	0.5	0.447	0.22	0.22
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	469.9875	120.0	116.0	CW	E	1.02	BS	0.054	0.069	0.106	0.209	0.218	0.368	0.625	0.944	0.966	0.742	0.5	0.439	0.22	0.23
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	482.5000	120.0	118.0	CW	E	1.07	BS	0.028	0.063	0.080	0.183	0.272	0.400	0.710	1.020	0.987	0.827	0.5	0.489	0.24	0.25
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	496.5000	48.0	47.4	CW	E	1.08	BS	0.011	0.026	0.030	0.088	0.133	0.156	0.273	0.408	0.441	0.406	0.5	0.213	0.11	0.11
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	511.9875	48.0	47.9	CW	E	1.08	BS	0.010	0.022	0.043	0.100	0.101	0.105	0.254	0.405	0.466	0.409	0.5	0.207	0.10	0.10
Roof	HAE6015A, 1/2 Wave (450-520MHz)	4.15	519.9875	30.0	29.9	CW	E	1.09	BS	0.007	0.010	0.020	0.047	0.039	0.050	0.143	0.213	0.210	0.158	0.5	0.098	0.05	0.05
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	470.0125	120.0	116.0	CW	E	1.02	BS	0.004	0.005	0.012	0.023	0.043	0.088	0.337	0.873	1.148	0.680	0.5	0.328	0.16	0.17
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	482.5000	120.0	118.0	CW	E	1.02	BS	0.004	0.005	0.006	0.025	0.047	0.096	0.325	0.766	1.001	0.659	0.5	0.299	0.15	0.15
Roof	HAE4012A, 1/2 Wave (470-495MHz)	5.65	494.9875	48.0	47.4	CW	E	1.02	BS	0.002	0.003	0.005	0.018	0.027	0.037	0.100	0.241	0.327	0.237	0.5	0.102	0.05	0.05

Notes:

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

Table J.1 (Continued)

UHF R2 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	HAE4004A, 1/4 Wave (470-512MHz)	2.15	470.0125	120.0	116.0	CW	E	1.02	BS	0.007	0.013	0.021	0.046	0.053	0.064	0.102	0.178	0.209	0.165	0.5	0.088	0.04	0.05
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	482.5000	120.0	118.0	CW	E	1.02	BS	0.011	0.028	0.033	0.090	0.118	0.145	0.264	0.388	0.409	0.359	0.5	0.188	0.09	0.10
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	496.5000	48.0	47.4	CW	E	1.02	BS	0.011	0.029	0.039	0.098	0.125	0.115	0.194	0.315	0.400	0.421	0.5	0.178	0.09	0.09
Roof	HAE4004A, 1/4 Wave (470-512MHz)	2.15	511.9875	48.0	47.9	CW	E	1.02	BS	0.006	0.017	0.027	0.063	0.061	0.062	0.135	0.213	0.277	0.274	0.5	0.116	0.06	0.06
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	494.9875	48.0	47.4	CW	E	1.08	BS	0.001	0.002	0.004	0.017	0.039	0.056	0.169	0.457	0.582	0.426	0.5	0.189	0.09	0.10
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	503.0000	48.0	47.8	CW	E	1.08	BS	0.003	0.003	0.007	0.019	0.025	0.028	0.132	0.348	0.483	0.322	0.5	0.148	0.07	0.07
Roof	HAE4013A, 1/2 Wave (494-512MHz)	5.65	511.9875	48.0	47.9	CW	E	1.08	BS	0.001	0.003	0.008	0.018	0.016	0.025	0.116	0.319	0.436	0.328	0.5	0.137	0.07	0.07
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	494.9875	48.0	47.4	CW	E	1.08	BS	0.004	0.009	0.011	0.027	0.027	0.018	0.041	0.147	0.265	0.225	0.5	0.084	0.04	0.04
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	503.0000	48.0	47.8	CW	E	1.08	BS	0.006	0.013	0.018	0.037	0.035	0.022	0.053	0.207	0.356	0.294	0.5	0.112	0.06	0.06
Roof	RAE4016ARB, 5/8 Wave (494-512MHz)	7.15	511.9875	48.0	47.9	CW	E	1.08	BS	0.004	0.012	0.018	0.035	0.025	0.016	0.052	0.207	0.382	0.354	0.5	0.119	0.06	0.06

Notes:

MPE calculations are defined in section 15.0

Table J.1 (Continued)

UHF R2 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	HAE6016A, 1/4 Wave (450-512MHz)	2.15	450.0125	120.0	119.0	CW	E	1.04	BS	0.015	0.023	0.042	0.081	0.114	0.160	0.276	0.446	0.502	0.455	0.5	0.220	0.11	0.11
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	460.0000	120.0	120.0	CW	E	1.05	BS	0.013	0.025	0.041	0.084	0.095	0.134	0.236	0.395	0.455	0.411	0.5	0.198	0.10	0.10
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	469.9875	120.0	116.0	CW	E	1.06	BS	0.027	0.042	0.066	0.116	0.153	0.247	0.373	0.658	0.823	0.704	0.5	0.340	0.17	0.18
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	482.5000	120.0	118.0	CW	E	1.02	BS	0.025	0.061	0.080	0.184	0.200	0.262	0.487	0.710	0.788	0.707	0.5	0.357	0.18	0.18
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	496.5000	48.0	47.4	CW	E	1.02	BS	0.009	0.020	0.024	0.064	0.080	0.084	0.154	0.244	0.288	0.306	0.5	0.130	0.06	0.07
Roof	HAE6016A, 1/4 Wave (450-512MHz)	2.15	511.9875	48.0	47.9	CW	E	1.02	BS	0.007	0.021	0.031	0.094	0.092	0.081	0.147	0.282	0.376	0.399	0.5	0.156	0.08	0.08
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	470.0125	120.0	116.0	CW	E	1.06	BS	0.014	0.020	0.029	0.056	0.058	0.071	0.154	0.562	0.928	0.818	0.5	0.287	0.14	0.15
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	482.5000	120.0	118.0	CW	E	1.07	BS	0.011	0.010	0.006	0.003	0.042	0.041	0.105	0.442	0.862	0.890	0.5	0.258	0.13	0.13
Roof	RAE4015ARM, 5/8 Wave (470-494MHz)	7.15	493.9875	48.0	47.3	CW	E	1.08	BS	0.001	0.001	0.001	0.004	0.006	0.005	0.018	0.068	0.157	0.151	0.5	0.044	0.02	0.02

Notes:

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

Table J.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 J.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 J.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 J.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 J.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 K.1

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.17	BS	0.024	0.025	0.044	0.082	0.145	0.234	0.263	0.152	0.154	0.150	0.5	0.149	0.07	0.08
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.18	BS	0.016	0.021	0.038	0.076	0.131	0.227	0.264	0.129	0.130	0.147	0.5	0.139	0.07	0.07
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.18	BS	0.020	0.033	0.052	0.095	0.153	0.280	0.301	0.121	0.128	0.154	0.5	0.157	0.08	0.08
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.19	BS	0.024	0.025	0.038	0.103	0.132	0.264	0.311	0.111	0.082	0.113	0.5	0.143	0.07	0.07
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.18	BS	0.026	0.029	0.040	0.108	0.122	0.251	0.305	0.109	0.091	0.121	0.5	0.142	0.07	0.07
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.16	BS	0.026	0.012	0.043	0.131	0.077	0.192	0.278	0.051	0.053	0.126	0.5	0.115	0.06	0.06
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.13	BS	0.011	0.009	0.048	0.101	0.022	0.102	0.108	0.090	0.008	0.043	0.5	0.061	0.03	0.03
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.12	BS	0.009	0.017	0.052	0.076	0.016	0.056	0.205	0.156	0.026	0.047	0.5	0.074	0.04	0.04
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.11	BS	0.007	0.014	0.039	0.059	0.011	0.030	0.172	0.165	0.028	0.046	0.5	0.064	0.03	0.03
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	BS	0.017	0.022	0.042	0.109	0.181	0.179	0.213	0.221	0.183	0.106	0.5	0.149	0.07	0.08
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	BS	0.010	0.016	0.035	0.098	0.151	0.182	0.222	0.210	0.149	0.104	0.5	0.138	0.07	0.07
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	BS	0.012	0.023	0.041	0.099	0.158	0.189	0.236	0.188	0.137	0.102	0.5	0.140	0.07	0.07
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	BS	0.017	0.018	0.034	0.119	0.170	0.185	0.252	0.196	0.138	0.100	0.5	0.146	0.07	0.07
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	BS	0.013	0.018	0.030	0.109	0.167	0.201	0.255	0.232	0.167	0.111	0.5	0.154	0.08	0.08
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	BS	0.013	0.006	0.021	0.111	0.127	0.148	0.198	0.154	0.126	0.118	0.5	0.119	0.06	0.06
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	BS	0.005	0.004	0.028	0.132	0.153	0.200	0.202	0.190	0.100	0.080	0.5	0.124	0.06	0.06
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	BS	0.009	0.008	0.035	0.111	0.150	0.200	0.237	0.181	0.113	0.079	0.5	0.126	0.06	0.06
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	BS	0.006	0.011	0.033	0.120	0.145	0.207	0.226	0.185	0.122	0.070	0.5	0.125	0.06	0.06

Notes:

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

Table K.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	BS	0.003	0.005	0.007	0.009	0.035	0.042	0.280	0.190	0.068	0.046	0.5	0.080	0.04	0.04
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	BS	0.002	0.003	0.004	0.005	0.003	0.153	0.293	0.177	0.055	0.040	0.5	0.086	0.04	0.04
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	BS	0.002	0.004	0.003	0.004	0.036	0.165	0.264	0.141	0.029	0.026	0.5	0.079	0.04	0.04
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	BS	0.003	0.002	0.005	0.026	0.068	0.228	0.341	0.200	0.046	0.012	0.5	0.110	0.06	0.06
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	BS	0.002	0.003	0.006	0.026	0.117	0.208	0.370	0.220	0.061	0.020	0.5	0.122	0.06	0.06
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	BS	0.010	0.011	0.013	0.076	0.136	0.284	0.410	0.332	0.103	0.029	0.5	0.163	0.08	0.08
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	BS	0.007	0.008	0.039	0.121	0.187	0.335	0.400	0.333	0.208	0.129	0.5	0.200	0.10	0.10
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	BS	0.010	0.008	0.036	0.137	0.207	0.310	0.370	0.332	0.207	0.138	0.5	0.197	0.10	0.10
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	BS	0.007	0.010	0.039	0.124	0.158	0.245	0.289	0.254	0.161	0.167	0.5	0.162	0.08	0.08
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.17	BS	0.015	0.025	0.039	0.121	0.186	0.188	0.202	0.189	0.164	0.095	0.5	0.144	0.07	0.07
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.18	BS	0.010	0.016	0.035	0.099	0.153	0.173	0.204	0.187	0.139	0.089	0.5	0.130	0.06	0.07
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.18	BS	0.012	0.022	0.043	0.096	0.159	0.179	0.213	0.166	0.122	0.087	0.5	0.129	0.06	0.07
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.19	BS	0.017	0.021	0.025	0.129	0.156	0.179	0.238	0.191	0.127	0.086	0.5	0.139	0.07	0.07
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.18	BS	0.016	0.019	0.029	0.111	0.170	0.216	0.259	0.218	0.148	0.097	0.5	0.152	0.08	0.08
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.16	BS	0.012	0.007	0.022	0.114	0.131	0.154	0.192	0.136	0.112	0.107	0.5	0.115	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.13	BS	0.006	0.003	0.028	0.131	0.142	0.183	0.188	0.166	0.080	0.066	0.5	0.113	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.12	BS	0.006	0.009	0.031	0.118	0.147	0.191	0.226	0.158	0.098	0.062	0.5	0.117	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.11	BS	0.007	0.009	0.029	0.116	0.137	0.196	0.213	0.162	0.093	0.054	0.5	0.113	0.06	0.06

Notes:

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

Table K.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	BS	0.019	0.033	0.064	0.176	0.253	0.211	0.113	0.022	0.031	0.035	0.5	0.112	0.06	0.06
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	BS	0.014	0.023	0.050	0.151	0.209	0.201	0.113	0.024	0.024	0.028	0.5	0.098	0.05	0.05
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	BS	0.012	0.026	0.064	0.158	0.220	0.225	0.129	0.024	0.022	0.030	0.5	0.107	0.05	0.06
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	BS	0.021	0.030	0.056	0.199	0.240	0.241	0.145	0.027	0.019	0.040	0.5	0.121	0.06	0.06
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	BS	0.018	0.029	0.045	0.183	0.287	0.300	0.184	0.042	0.019	0.044	0.5	0.136	0.07	0.07
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	BS	0.016	0.014	0.026	0.151	0.206	0.247	0.154	0.028	0.030	0.046	0.5	0.107	0.05	0.05
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	BS	0.007	0.004	0.034	0.153	0.222	0.289	0.191	0.060	0.007	0.029	0.5	0.113	0.06	0.06
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	BS	0.007	0.009	0.031	0.134	0.226	0.302	0.232	0.066	0.009	0.021	0.5	0.116	0.06	0.06
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	BS	0.006	0.012	0.029	0.118	0.195	0.286	0.189	0.053	0.010	0.014	0.5	0.090	0.05	0.05
45 Degree																							
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	BS	0.004	0.020	0.031	0.092	0.298	0.357	0.252	0.263	0.157	0.069	0.5	0.175	0.09	0.09
90 Degree																							
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	BS	0.008	0.018	0.029	0.148	0.336	0.555	0.817	0.378	0.169	0.147	0.5	0.258	0.13	0.13

Notes:

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

Table K.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.00	BS	0.006	0.010	0.014	0.014	0.023	0.059	0.069	0.215	0.353	0.171	0.5	0.093	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.00	BS	0.009	0.015	0.010	0.024	0.024	0.063	0.081	0.223	0.328	0.131	0.5	0.091	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.00	BS	0.006	0.010	0.014	0.019	0.028	0.064	0.060	0.230	0.342	0.160	0.5	0.093	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS	0.007	0.015	0.014	0.029	0.030	0.064	0.065	0.251	0.362	0.165	0.5	0.100	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	BS	0.008	0.012	0.027	0.030	0.035	0.063	0.074	0.261	0.398	0.172	0.5	0.107	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	0.99	BS	0.009	0.013	0.014	0.038	0.032	0.081	0.094	0.228	0.343	0.123	0.5	0.097	0.05	0.05
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	0.99	BS	0.007	0.014	0.018	0.040	0.029	0.070	0.049	0.101	0.220	0.137	0.5	0.068	0.03	0.03
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	0.99	BS	0.005	0.011	0.022	0.031	0.034	0.063	0.039	0.056	0.182	0.171	0.5	0.061	0.03	0.03
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	0.99	BS	0.005	0.009	0.017	0.028	0.020	0.051	0.028	0.037	0.123	0.150	0.5	0.046	0.02	0.02
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	BS	0.004	0.006	0.009	0.008	0.017	0.065	0.091	0.160	0.207	0.180	0.5	0.075	0.04	0.04
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	BS	0.005	0.007	0.005	0.015	0.017	0.056	0.091	0.129	0.200	0.138	0.5	0.066	0.03	0.03
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	BS	0.003	0.004	0.006	0.013	0.015	0.050	0.070	0.154	0.175	0.145	0.5	0.064	0.03	0.03
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS	0.004	0.007	0.006	0.014	0.018	0.056	0.093	0.210	0.220	0.183	0.5	0.081	0.04	0.04
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	BS	0.004	0.006	0.016	0.015	0.024	0.065	0.117	0.232	0.256	0.214	0.5	0.094	0.05	0.05
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	BS	0.003	0.006	0.005	0.019	0.018	0.053	0.130	0.221	0.228	0.186	0.5	0.086	0.04	0.04
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	BS	0.004	0.005	0.011	0.023	0.018	0.051	0.103	0.205	0.241	0.235	0.5	0.089	0.04	0.04
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	BS	0.003	0.008	0.011	0.022	0.020	0.066	0.108	0.215	0.245	0.230	0.5	0.092	0.05	0.05
Roof	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	BS	0.003	0.009	0.013	0.021	0.016	0.051	0.094	0.213	0.253	0.198	0.5	0.086	0.04	0.04

Notes:

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

Table K.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	BS	0.001	0.002	0.002	0.003	0.004	0.006	0.008	0.090	0.267	0.239	0.5	0.062	0.03	0.03
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	BS	0.002	0.002	0.001	0.003	0.003	0.004	0.014	0.115	0.289	0.209	0.5	0.064	0.03	0.03
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	BS	0.001	0.001	0.001	0.001	0.002	0.002	0.015	0.106	0.235	0.187	0.5	0.055	0.03	0.03
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS	0.001	0.001	0.002	0.001	0.003	0.009	0.036	0.182	0.312	0.224	0.5	0.077	0.04	0.04
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	BS	0.001	0.001	0.003	0.005	0.005	0.032	0.083	0.275	0.392	0.273	0.5	0.106	0.05	0.05
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	BS	0.001	0.002	0.005	0.008	0.020	0.026	0.120	0.282	0.339	0.245	0.5	0.104	0.05	0.05
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	BS	0.003	0.007	0.015	0.026	0.027	0.059	0.155	0.246	0.235	0.277	0.5	0.104	0.05	0.05
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	BS	0.004	0.009	0.010	0.025	0.022	0.070	0.146	0.247	0.233	0.306	0.5	0.106	0.05	0.05
Roof	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	BS	0.004	0.005	0.013	0.018	0.019	0.059	0.129	0.221	0.197	0.232	0.5	0.089	0.04	0.04
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.00	BS	0.004	0.009	0.011	0.016	0.018	0.091	0.119	0.199	0.254	0.206	0.5	0.093	0.05	0.05
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.00	BS	0.007	0.009	0.008	0.015	0.022	0.084	0.106	0.201	0.241	0.175	0.5	0.087	0.04	0.04
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.00	BS	0.005	0.005	0.009	0.011	0.027	0.064	0.083	0.200	0.215	0.176	0.5	0.080	0.04	0.04
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.00	BS	0.004	0.008	0.008	0.011	0.026	0.058	0.104	0.238	0.246	0.201	0.5	0.090	0.05	0.05
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	BS	0.005	0.007	0.020	0.015	0.032	0.068	0.140	0.277	0.296	0.246	0.5	0.109	0.05	0.06
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	0.99	BS	0.006	0.006	0.008	0.019	0.024	0.055	0.148	0.269	0.268	0.210	0.5	0.100	0.05	0.05
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	0.99	BS	0.004	0.008	0.011	0.026	0.021	0.058	0.121	0.252	0.280	0.242	0.5	0.101	0.05	0.05
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	0.99	BS	0.004	0.007	0.012	0.022	0.022	0.069	0.125	0.268	0.274	0.223	0.5	0.102	0.05	0.05
Roof	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	0.99	BS	0.003	0.007	0.012	0.020	0.020	0.048	0.106	0.242	0.254	0.184	0.5	0.089	0.04	0.04

Notes:

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

Table K.1 (Continued)

7/800 band - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
										Bystander (BS) Positions													
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.00	BS	0.009	0.015	0.021	0.017	0.036	0.167	0.198	0.270	0.181	0.044	0.5	0.096	0.05	0.05
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.00	BS	0.008	0.016	0.014	0.022	0.039	0.124	0.196	0.313	0.200	0.041	0.5	0.097	0.05	0.05
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.00	BS	0.006	0.010	0.010	0.026	0.028	0.119	0.179	0.284	0.187	0.044	0.5	0.089	0.04	0.05
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.00	BS	0.005	0.010	0.013	0.025	0.034	0.112	0.199	0.383	0.225	0.053	0.5	0.106	0.05	0.05
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	0.99	BS	0.007	0.008	0.025	0.029	0.043	0.134	0.253	0.445	0.266	0.075	0.5	0.127	0.06	0.06
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	0.99	BS	0.005	0.008	0.009	0.029	0.036	0.091	0.245	0.393	0.229	0.070	0.5	0.110	0.06	0.06
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	0.99	BS	0.004	0.010	0.015	0.030	0.025	0.077	0.187	0.301	0.223	0.082	0.5	0.094	0.05	0.05
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	0.99	BS	0.004	0.008	0.015	0.024	0.026	0.087	0.173	0.307	0.218	0.079	0.5	0.093	0.05	0.05
Roof	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	0.99	BS	0.003	0.007	0.014	0.023	0.017	0.067	0.147	0.294	0.206	0.064	0.5	0.083	0.04	0.04

Notes:

MPE calculations are defined in section 15.0
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Table K.2

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)
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.17	PB	0.030	0.026	0.040	0.5	0.038	0.02	0.02
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.18	PB	0.055	0.038	0.025	0.5	0.046	0.02	0.02
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.18	PB	0.084	0.055	0.035	0.5	0.068	0.03	0.04
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.19	PB	0.064	0.062	0.070	0.5	0.077	0.04	0.04
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.18	PB	0.086	0.078	0.054	0.5	0.086	0.04	0.04
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.16	PB	0.082	0.055	0.040	0.5	0.069	0.03	0.03
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.13	PB	0.042	0.034	0.063	0.5	0.053	0.03	0.03
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.12	PB	0.053	0.043	0.040	0.5	0.051	0.03	0.03
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.11	PB	0.039	0.023	0.026	0.5	0.033	0.02	0.02

Notes:

MPE calculations are defined in section 15.0
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Table K.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)
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	PB	0.071	0.049	0.069	0.5	0.074	0.04	0.04
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	PB	0.073	0.041	0.055	0.5	0.066	0.03	0.03
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	PB	0.072	0.041	0.042	0.5	0.061	0.03	0.03
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	PB	0.073	0.069	0.088	0.5	0.091	0.05	0.05
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	PB	0.103	0.128	0.069	0.5	0.118	0.06	0.06
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	PB	0.117	0.092	0.051	0.5	0.101	0.05	0.05
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	PB	0.128	0.047	0.120	0.5	0.111	0.06	0.06
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	PB	0.120	0.041	0.140	0.5	0.113	0.06	0.06
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	PB	0.130	0.099	0.114	0.5	0.127	0.06	0.06

Notes:

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

7/800 band - MPE measurement data for Passenger

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements Passenger/Operator (MC) 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		Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	PB	0.047	0.026	0.018	0.5	0.036	0.02	0.02
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	PB	0.053	0.030	0.022	0.5	0.041	0.02	0.02
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	PB	0.060	0.038	0.017	0.5	0.045	0.02	0.02
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	PB	0.059	0.045	0.048	0.5	0.060	0.03	0.03
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	PB	0.125	0.131	0.103	0.5	0.141	0.07	0.07
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	PB	0.169	0.181	0.093	0.5	0.172	0.09	0.09
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	PB	0.298	0.147	0.123	0.5	0.215	0.11	0.11
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	PB	0.169	0.098	0.201	0.5	0.175	0.09	0.09
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	PB	0.150	0.048	0.113	0.5	0.116	0.06	0.06

Notes:

MPE calculations are defined in section 15.0
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Table K.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)
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.17	PB	0.071	0.057	0.075	0.5	0.079	0.04	0.04
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.18	PB	0.089	0.048	0.050	0.5	0.073	0.04	0.04
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.18	PB	0.089	0.050	0.056	0.5	0.077	0.04	0.04
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.19	PB	0.085	0.075	0.114	0.5	0.108	0.05	0.05
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	0.99	PB	0.160	0.141	0.149	0.5	0.149	0.07	0.08
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.16	PB	0.127	0.085	0.069	0.5	0.109	0.05	0.05
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.13	PB	0.125	0.061	0.031	0.5	0.082	0.04	0.04
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.12	PB	0.129	0.067	0.132	0.5	0.123	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.11	PB	0.145	0.051	0.048	0.5	0.091	0.05	0.05

Notes:

MPE calculations are defined in section 15.0
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Table K.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)
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	PB	0.174	0.121	0.096	0.5	0.153	0.08	0.08
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	PB	0.196	0.110	0.059	0.5	0.143	0.07	0.07
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	PB	0.205	0.093	0.110	0.5	0.160	0.08	0.08
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	PB	0.163	0.099	0.125	0.5	0.153	0.08	0.08
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	PB	0.183	0.289	0.159	0.5	0.249	0.12	0.13
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	PB	0.200	0.155	0.127	0.5	0.187	0.09	0.09
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	PB	0.267	0.100	0.175	0.5	0.205	0.10	0.10
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	PB	0.161	0.167	0.111	0.5	0.164	0.08	0.08
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	PB	0.204	0.062	0.079	0.5	0.128	0.06	0.06

Notes:

MPE calculations are defined in section 15.0
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Table K.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)
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.17	PF	0.070	0.093	0.064	0.5	0.089	0.04	0.05
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.18	PF	0.084	0.145	0.087	0.5	0.124	0.06	0.06
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.18	PF	0.073	0.153	0.062	0.5	0.113	0.06	0.06
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.19	PF	0.072	0.165	0.038	0.5	0.109	0.05	0.05
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.18	PF	0.073	0.104	0.045	0.5	0.087	0.04	0.04
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.16	PF	0.095	0.073	0.043	0.5	0.082	0.04	0.04
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.13	PF	0.054	0.029	0.011	0.5	0.036	0.02	0.02
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.12	PF	0.036	0.022	0.011	0.5	0.026	0.01	0.01
Trunk	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.11	PF	0.025	0.010	0.015	0.5	0.019	0.01	0.01

Notes:

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

Table K.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)
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	PF	0.048	0.075	0.043	0.5	0.065	0.03	0.03
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	PF	0.051	0.097	0.067	0.5	0.084	0.04	0.04
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	PF	0.037	0.097	0.052	0.5	0.073	0.04	0.04
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	PF	0.073	0.129	0.047	0.5	0.098	0.05	0.05
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	PF	0.061	0.084	0.052	0.5	0.078	0.04	0.04
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	PF	0.094	0.060	0.056	0.5	0.081	0.04	0.04
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	PF	0.101	0.033	0.022	0.5	0.059	0.03	0.03
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	PF	0.102	0.034	0.032	0.5	0.063	0.03	0.03
Trunk	HAF4013A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	PF	0.098	0.022	0.032	0.5	0.056	0.03	0.03

Notes:

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

Table K.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)
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	PF	0.061	0.045	0.027	0.5	0.052	0.03	0.03
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	PF	0.053	0.073	0.040	0.5	0.065	0.03	0.03
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	PF	0.048	0.070	0.018	0.5	0.053	0.03	0.03
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	PF	0.068	0.132	0.038	0.5	0.094	0.05	0.05
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	PF	0.093	0.128	0.065	0.5	0.113	0.06	0.06
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	PF	0.150	0.123	0.116	0.5	0.151	0.08	0.08
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	PF	0.144	0.054	0.091	0.5	0.109	0.05	0.05
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	PF	0.186	0.046	0.060	0.5	0.109	0.05	0.05
Trunk	HAF4014A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	PF	0.165	0.032	0.047	0.5	0.091	0.05	0.05

Notes:

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

Table K.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)
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	764.0875	36.0	35.4	CW	E	1.17	PF	0.064	0.117	0.057	0.5	0.093	0.05	0.05
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	770.0125	36.0	35.8	CW	E	1.18	PF	0.070	0.142	0.085	0.5	0.116	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	775.9125	36.0	34.9	CW	E	1.18	PF	0.055	0.144	0.081	0.5	0.110	0.05	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	794.0875	36.0	35.9	CW	E	1.19	PF	0.097	0.171	0.060	0.5	0.130	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	806.0125	42.0	41.2	CW	E	1.18	PF	0.094	0.126	0.073	0.5	0.115	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	823.9875	42.0	41.6	CW	E	1.16	PF	0.134	0.084	0.078	0.5	0.115	0.06	0.06
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	851.0125	42.0	41.7	CW	E	1.13	PF	0.129	0.047	0.022	0.5	0.075	0.04	0.04
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	862.0125	42.0	41.7	CW	E	1.12	PF	0.120	0.039	0.031	0.5	0.071	0.04	0.04
Trunk	HAF4016A, 1/4 Wave (764-870MHz)	2.15	868.8875	42.0	41.8	CW	E	1.11	PF	0.109	0.030	0.036	0.5	0.065	0.03	0.03

Notes:

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

Table K.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)
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	764.0875	36.0	35.4	CW	E	1.17	PF	0.124	0.185	0.095	0.5	0.158	0.08	0.08
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	770.0125	36.0	35.8	CW	E	1.18	PF	0.129	0.228	0.118	0.5	0.186	0.09	0.09
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	775.9125	36.0	34.9	CW	E	1.18	PF	0.099	0.216	0.117	0.5	0.170	0.08	0.09
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	794.0875	36.0	35.9	CW	E	1.19	PF	0.154	0.291	0.114	0.5	0.221	0.11	0.11
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	806.0125	42.0	41.2	CW	E	1.18	PF	0.169	0.179	0.143	0.5	0.193	0.10	0.10
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	823.9875	42.0	41.6	CW	E	1.16	PF	0.237	0.133	0.136	0.5	0.196	0.10	0.10
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	851.0125	42.0	41.7	CW	E	1.13	PF	0.161	0.053	0.055	0.5	0.102	0.05	0.05
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	862.0125	42.0	41.7	CW	E	1.12	PF	0.196	0.051	0.054	0.5	0.113	0.06	0.06
Trunk	HAF4017A, 1/4 Wave (764-870MHz)	5.15	868.8875	42.0	41.8	CW	E	1.11	PF	0.170	0.031	0.043	0.5	0.091	0.05	0.05

Notes:

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

Table K.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
Blue fonts: Frequencies not regulated by FCC.

Table K.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 K.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 K.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:

MPE calculations are defined in section 15.0
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Table K.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 K.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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