
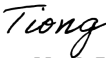
 <b>MOTOROLA SOLUTIONS</b>	 <b>MS ISO/IEC 17025 TESTING</b> <b>SAMM No.0826</b>
<b>DECLARATION OF COMPLIANCE: MPE ASSESSMENT Report Part 3 of 3</b>	
<b>Motorola Solutions EME Test Laboratory</b> Motorola Solutions Malaysia Sdn Bhd (Innoplex) Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	<b>Date of Report:</b> 2/5/2018 <b>Report Revision:</b> B
<b>Responsible Engineer:</b> Saw Sun Hock (EME Engineer) <b>Report author:</b> Saw Sun Hock (EME Engineer) <b>Date(s) Tested:</b> 1/3/2017-27/3/2017 <b>Manufacturer:</b> Futurecom Systems Group <b>Date submitted for test:</b> 01/13/2017 <b>DUT Description:</b> DVR VHF (136-174 MHz), Digital Vehicular Repeater Companion Mobile: APX8500 mobile All Bands (VHF, UHF, 7/800) <b>Test TX mode(s):</b> CW (for FM), 802.11 b/g/n (for WLAN) <b>Max. Power output:</b> <b>DVR:</b> 6W (100% duty cycle) <b>Companion Mobile:</b> 50% duty cycle, PTT with below maximum output power 60W (136-174 MHz), 54W (380-484 MHz), 48W (485-512 MHz), 30W (512-520 MHz), 36W (764-805 MHz), 42W (806-870 MHz); 10mW (Bluetooth); 2.5mW (Bluetooth LE); 63.1 mW (WLAN 802.11b), 20 mW (WLAN 802.11g/n) <b>TX Frequency Bands:</b> <b>DVR:</b> 136-174 MHz <b>Companion Mobile:</b> 136-174 MHz; 380-520 MHz; 764-805 MHz; 806-870 MHz; WLAN 2400-2483.5 MHz; Bluetooth 2402-2480 MHz <b>Signaling type:</b> FM, TDMA, 802.11b/g/n (WLAN) <b>Model(s) Tested:</b> <b>DVR:</b> MOBEXCOM DVRS VHF (DQPM DV3000P) <b>Companion Mobile:</b> M37TSS9PW1AN <b>Model(s) Certified:</b> MOBEXCOM DVRS VHF (DQPM DV3000P) <b>Serial Number(s):</b> 16082232 (DVR) , KLDORDDUC (Companion Mobile) <b>Classification:</b> Occupational/Controlled Environment <b>FCC ID:</b> <b>DVR:</b> LO6-DVRSVHF 150.8-173.4 MHz <b>Companion Mobile:</b> AZ492FT7089 150.8-173.4 MHz, 406.1-512 MHz, 769-775 MHz, 799-824 MHz, 851-869 MHz, 2402-2480 MHz, 2412-2462 MHz This report contains results that are immaterial for FCC equipment approval, which are clearly identified. <b>IC:</b> <b>DVR:</b> 2098B-DVRSVHF <b>Companion Mobile:</b> 109U-92FT7089 This report contains results that are immaterial for ISED Canada equipment approval, which are clearly identified.	<p>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.</p>
<p>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.</p>	
 <b>Tiong Nguk Ing</b> Deputy Technical Manager Approval Date: 2/10/2018	

**Appendix I – MPE Measurement Results for DVR VHF**

**Table I.1**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)	
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions														
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS1	0.006	0.009	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	1.0	0.012	0.01	0.013
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS1	0.008	0.008	0.009	0.01	0.012	0.014	0.014	0.014	0.014	0.014	0.014	1.0	0.012	0.01	0.012
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS2	0.007	0.011	0.014	0.016	0.022	0.024	0.024	0.024	0.024	0.024	0.024	1.0	0.019	0.02	0.020
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS2	0.005	0.008	0.011	0.014	0.017	0.017	0.017	0.017	0.017	0.017	0.017	1.0	0.014	0.01	0.015
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS3	0.009	0.012	0.02	0.025	0.03	0.032	0.038	0.038	0.038	0.038	0.038	1.0	0.028	0.03	0.029
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS3	0.007	0.011	0.014	0.018	0.026	0.031	0.036	0.036	0.036	0.036	0.036	1.0	0.025	0.03	0.026
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS4	0.012	0.019	0.022	0.024	0.025	0.027	0.033	0.0333	0.033	0.033	0.033	1.0	0.026	0.03	0.027
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS4	0.01	0.017	0.02	0.02	0.021	0.027	0.031	0.031	0.031	0.031	0.031	1.0	0.024	0.02	0.025
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	BS5	0.01	0.01	0.01	0.014	0.016	0.021	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.019
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS5	0.015	0.015	0.015	0.015	0.019	0.024	0.024	0.024	0.024	0.024	0.024	1.0	0.020	0.02	0.021

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.

**Table I.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS1	0.006	0.007	0.009	0.013	0.018	0.018	0.018	0.018	0.018	0.018	1.0	0.014	0.01	0.015
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS1	0.002	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	1.0	0.006	0.01	0.006
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS2	0.006	0.009	0.012	0.017	0.018	0.019	0.02	0.02	0.02	0.02	1.0	0.016	0.02	0.017
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS2	0.002	0.005	0.006	0.009	0.013	0.015	0.015	0.015	0.015	0.015	1.0	0.011	0.01	0.012
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS3	0.007	0.013	0.018	0.019	0.031	0.033	0.036	0.036	0.036	0.036	1.0	0.027	0.03	0.028
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS3	0.007	0.012	0.017	0.019	0.03	0.035	0.04	0.04	0.04	0.04	1.0	0.028	0.03	0.029
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS4	0.013	0.019	0.022	0.024	0.026	0.029	0.031	0.031	0.031	0.031	1.0	0.026	0.03	0.027
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS4	0.013	0.013	0.024	0.025	0.03	0.044	0.044	0.044	0.044	0.044	1.0	0.033	0.03	0.034
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	BS5	0.014	0.016	0.016	0.016	0.018	0.025	0.026	0.026	0.026	0.026	1.0	0.021	0.02	0.022
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS5	0.008	0.008	0.009	0.009	0.015	0.019	0.019	0.019	0.019	0.019	1.0	0.014	0.01	0.015

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.

**Table I.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)	
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions														
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS1	0.003	0.003	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.009	1.0	0.006	0.01	0.007
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS1	0.003	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	1.0	0.005	0.01	0.005
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS1	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	1.0	0.004	0.00	0.005
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS2	0.002	0.006	0.007	0.01	0.012	0.013	0.014	0.014	0.014	0.014	0.014	1.0	0.011	0.01	0.011
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS2	0.005	0.009	0.01	0.017	0.017	0.02	0.02	0.02	0.02	0.02	0.02	1.0	0.016	0.02	0.016
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS2	0.006	0.009	0.011	0.021	0.027	0.027	0.027	0.027	0.027	0.027	0.027	1.0	0.021	0.02	0.022
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS3	0.006	0.011	0.017	0.018	0.027	0.032	0.036	0.036	0.036	0.036	0.036	1.0	0.026	0.03	0.027
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS3	0.009	0.016	0.021	0.021	0.028	0.044	0.049	0.049	0.049	0.049	0.049	1.0	0.034	0.03	0.035
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS3	0.014	0.021	0.027	0.031	0.051	0.051	0.052	0.052	0.052	0.052	0.052	1.0	0.040	0.041	0.042
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS4	0.012	0.018	0.021	0.022	0.025	0.032	0.039	0.039	0.039	0.039	0.039	1.0	0.029	0.03	0.030
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS4	0.011	0.017	0.021	0.023	0.029	0.03	0.034	0.034	0.034	0.034	0.034	1.0	0.027	0.03	0.028
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS4	0.016	0.025	0.03	0.031	0.038	0.049	0.051	0.051	0.051	0.051	0.051	1.0	0.039	0.04	0.041

MPE calculations are defined in section 14.0.

**Table I.1 (Continued)**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)	
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions														
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm					
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	BS5	0.007	0.007	0.007	0.007	0.013	0.018	0.018	0.018	0.018	0.018	0.018	1.0	0.013	0.01	0.014
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	BS5	0.01	0.01	0.011	0.011	0.018	0.026	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.020
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS5	0.01	0.01	0.01	0.012	0.021	0.026	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS1	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	1.0	0.005	0.00	0.005
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS1	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	1.0	0.004	0.00	0.004
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS1	0.005	0.005	0.005	0.005	0.006	0.008	0.008	0.008	0.008	0.008	0.008	1.0	0.007	0.01	0.007
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS2	0.005	0.011	0.011	0.011	0.016	0.016	0.018	0.018	0.018	0.018	0.018	1.0	0.014	0.01	0.015
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS2	0.005	0.008	0.01	0.014	0.02	0.024	0.026	0.026	0.026	0.026	0.026	1.0	0.019	0.02	0.019
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS2	0.005	0.006	0.008	0.01	0.015	0.016	0.018	0.018	0.018	0.018	0.018	1.0	0.013	0.01	0.014
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS3	0.012	0.015	0.018	0.02	0.028	0.038	0.038	0.038	0.038	0.038	0.038	1.0	0.028	0.03	0.029
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS3	0.01	0.02	0.025	0.036	0.036	0.048	0.053	0.054	0.054	0.054	0.054	1.0	0.039	0.04	0.040
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS3	0.012	0.017	0.02	0.021	0.037	0.038	0.043	0.043	0.043	0.043	0.043	1.0	0.032	0.03	0.033

MPE calculations are defined in section 14.0.

**Table I.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS4	0.011	0.017	0.021	0.021	0.024	0.033	0.037	0.037	0.037	0.037	1.0	0.028	0.03	0.029
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS4	0.017	0.026	0.032	0.032	0.041	0.05	0.05	0.05	0.05	0.05	1.0	0.040	0.04	0.041
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS4	0.021	0.021	0.023	0.024	0.033	0.041	0.042	0.042	0.042	0.042	1.0	0.033	0.03	0.034
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	BS5	0.006	0.006	0.007	0.007	0.012	0.013	0.021	0.021	0.021	0.021	1.0	0.014	0.01	0.014
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	BS5	0.01	0.01	0.01	0.014	0.021	0.027	0.027	0.027	0.027	0.027	1.0	0.020	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	BS5	0.005	0.006	0.006	0.008	0.016	0.016	0.016	0.016	0.016	0.016	1.0	0.012	0.01	0.012

MPE calculations are defined in section 14.0.

**Table I.1 (Continued)**  
**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
(2) Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS1	0.016	0.016	0.016	0.017	0.018	0.019	0.019	0.023	0.026	0.026	1.0	0.020	0.01	0.012
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS1	0.016	0.016	0.016	0.016	0.017	0.017	0.018	0.021	0.024	0.025	1.0	0.019	0.01	0.010
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS2	0.02	0.02	0.021	0.021	0.023	0.026	0.028	0.028	0.031	0.034	1.0	0.025	0.02	0.019
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS2	0.019	0.02	0.021	0.021	0.024	0.026	0.029	0.03	0.032	0.033	1.0	0.026	0.02	0.019
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS3	0.022	0.022	0.023	0.025	0.026	0.029	0.031	0.034	0.033	0.033	1.0	0.028	0.02	0.023
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS3	0.016	0.018	0.018	0.021	0.021	0.023	0.025	0.027	0.029	0.03	1.0	0.023	0.01	0.015
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS4	0.021	0.021	0.021	0.022	0.024	0.028	0.032	0.033	0.034	0.035	1.0	0.027	0.02	0.022
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS4	0.019	0.019	0.019	0.02	0.022	0.025	0.028	0.028	0.029	0.033	1.0	0.024	0.02	0.017
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	BS5	0.019	0.019	0.019	0.02	0.024	0.026	0.03	0.03	0.03	0.029	1.0	0.025	0.02	0.018
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS5	0.02	0.02	0.02	0.022	0.025	0.028	0.029	0.03	0.029	0.028	1.0	0.025	0.02	0.019

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.



**Table I.1 (Continued)**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
(2) Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS1	0.016	0.017	0.017	0.017	0.017	0.017	0.018	0.02	0.023	0.024	1.0	0.019	0.01	0.010
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS1	0.016	0.017	0.017	0.017	0.018	0.019	0.021	0.023	0.026	0.026	1.0	0.020	0.01	0.012
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS2	0.018	0.019	0.02	0.021	0.024	0.025	0.027	0.029	0.03	0.032	1.0	0.025	0.02	0.018
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS2	0.018	0.018	0.019	0.02	0.021	0.022	0.024	0.025	0.027	0.029	1.0	0.022	0.01	0.015
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS3	0.017	0.018	0.02	0.022	0.022	0.024	0.025	0.028	0.029	0.028	1.0	0.023	0.02	0.016
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS3	0.024	0.024	0.025	0.026	0.026	0.028	0.03	0.034	0.034	0.032	1.0	0.028	0.02	0.024
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS4	0.018	0.018	0.018	0.02	0.022	0.026	0.028	0.029	0.029	0.033	1.0	0.024	0.02	0.017
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS4	0.026	0.026	0.026	0.026	0.026	0.031	0.034	0.035	0.035	0.037	1.0	0.030	0.03	0.027
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	BS5	0.02	0.02	0.02	0.023	0.026	0.028	0.03	0.031	0.028	0.027	1.0	0.025	0.02	0.019
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS5	0.022	0.022	0.022	0.023	0.027	0.028	0.029	0.029	0.028	0.027	1.0	0.026	0.02	0.019

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.

**Table I.1 (Continued)**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
<sup>(2)</sup> Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS1	0.016	0.016	0.016	0.018	0.018	0.02	0.02	0.025	0.027	0.026	1.0	0.020	0.01	0.012
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS1	0.017	0.017	0.017	0.017	0.018	0.019	0.02	0.022	0.023	0.023	1.0	0.019	0.01	0.011
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS1	0.017	0.019	0.019	0.02	0.02	0.021	0.021	0.023	0.026	0.026	1.0	0.021	0.01	0.013
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS2	0.017	0.018	0.018	0.019	0.02	0.02	0.022	0.025	0.027	0.028	1.0	0.021	0.01	0.013
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS2	0.018	0.02	0.02	0.021	0.023	0.023	0.024	0.026	0.027	0.028	1.0	0.023	0.01	0.015
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS2	0.02	0.02	0.02	0.021	0.025	0.025	0.027	0.03	0.03	0.03	1.0	0.025	0.02	0.017
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS3	0.022	0.023	0.024	0.025	0.025	0.027	0.029	0.031	0.031	0.031	1.0	0.027	0.02	0.021
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS3	0.022	0.022	0.023	0.024	0.024	0.024	0.024	0.026	0.026	0.026	1.0	0.024	0.02	0.016
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS3	0.026	0.027	0.027	0.03	0.03	0.033	0.034	0.035	0.035	0.033	1.0	0.031	0.03	0.027
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS4	0.025	0.025	0.025	0.026	0.027	0.031	0.033	0.035	0.036	0.039	1.0	0.030	0.03	0.027
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS4	0.025	0.026	0.026	0.026	0.026	0.03	0.031	0.032	0.032	0.031	1.0	0.029	0.02	0.023
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS4	0.028	0.028	0.028	0.028	0.03	0.034	0.036	0.036	0.036	0.037	1.0	0.032	0.03	0.029

MPE calculations are defined in section 14.0.

**Table I.1 (Continued)**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
<sup>(2)</sup> Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	BS5	0.021	0.021	0.021	0.023	0.026	0.027	0.029	0.029	0.029	0.028	1.0	0.025	0.02	0.019
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	BS5	0.023	0.023	0.023	0.025	0.028	0.03	0.031	0.031	0.031	0.03	1.0	0.028	0.02	0.021
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS5	0.022	0.022	0.022	0.025	0.029	0.03	0.032	0.032	0.032	0.031	1.0	0.028	0.02	0.022
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS1	0.017	0.017	0.017	0.017	0.017	0.018	0.019	0.021	0.023	0.023	1.0	0.019	0.01	0.010
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS1	0.016	0.016	0.016	0.018	0.018	0.02	0.021	0.023	0.026	0.02	1.0	0.019	0.01	0.010
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS1	0.016	0.016	0.016	0.017	0.019	0.021	0.022	0.024	0.025	0.026	1.0	0.020	0.01	0.011
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS2	0.016	0.016	0.018	0.019	0.022	0.023	0.025	0.026	0.034	0.03	1.0	0.023	0.01	0.015
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS2	0.016	0.017	0.018	0.017	0.02	0.022	0.024	0.026	0.029	0.027	1.0	0.022	0.01	0.013
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS2	0.017	0.018	0.018	0.019	0.021	0.023	0.024	0.026	0.028	0.026	1.0	0.022	0.01	0.013
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS3	0.022	0.022	0.024	0.025	0.026	0.028	0.029	0.031	0.029	0.028	1.0	0.026	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS3	0.026	0.028	0.029	0.03	0.03	0.032	0.033	0.036	0.036	0.034	1.0	0.031	0.03	0.027
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS3	0.025	0.028	0.028	0.029	0.03	0.032	0.034	0.034	0.035	0.035	1.0	0.031	0.03	0.026

MPE calculations are defined in section 14.0.

**Table I.1 (Continued)**

**DVR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
<sup>(2)</sup> Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS4	0.023	0.023	0.023	0.024	0.025	0.028	0.03	0.03	0.03	0.032	1.0	0.027	0.02	0.020
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS4	0.028	0.028	0.028	0.03	0.032	0.037	0.038	0.038	0.038	0.038	1.0	0.034	0.03	0.031
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS4	0.028	0.029	0.029	0.03	0.033	0.036	0.038	0.038	0.039	0.039	1.0	0.034	0.03	0.031
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	BS5	0.02	0.02	0.02	0.021	0.024	0.026	0.027	0.027	0.028	0.028	1.0	0.024	0.02	0.017
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	BS5	0.021	0.021	0.021	0.024	0.029	0.029	0.03	0.03	0.028	0.028	1.0	0.026	0.02	0.019
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	BS5	0.02	0.02	0.02	0.023	0.027	0.027	0.028	0.028	0.028	0.026	1.0	0.025	0.02	0.016

MPE calculations are defined in section 14.0.

**Table I.2**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.		MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)	
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3					Lower Trunk/ Bottom 1/3
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	PB	0.28	0.164	0.114	1.0	0.186	0.19	0.196
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PB	0.181	0.166	0.132	1.0	0.160	0.16	0.168
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PB	0.141	0.153	0.123	1.0	0.139	0.14	0.146
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PB	0.131	0.098	0.064	1.0	0.098	0.10	0.103
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PB	0.106	0.09	0.083	1.0	0.093	0.09	0.098
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	PB	0.153	0.137	0.107	1.0	0.132	0.13	0.137
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PB	0.202	0.254	0.206	1.0	0.221	0.225	0.230
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PB	0.147	0.185	0.165	1.0	0.166	0.17	0.172
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	PB	0.11	0.194	0.169	1.0	0.158	0.16	0.161
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	PB	0.158	0.197	0.185	1.0	0.180	0.18	0.185

Notes:

MPE calculations are defined in section 14.0  
Blue fonts: Frequencies not regulated by FCC.

**Table I.2 (Continued)**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	PB	0.068	0.057	0.057	1.0	0.061	0.11	0.111
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PB	0.055	0.067	0.047	1.0	0.056	0.09	0.093
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PB	0.05	0.055	0.046	1.0	0.050	0.07	0.074
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PB	0.056	0.067	0.048	1.0	0.057	0.09	0.096
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PB	0.054	0.052	0.046	1.0	0.051	0.07	0.076
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	PB	0.065	0.088	0.06	1.0	0.071	0.14	0.142
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PB	0.068	0.081	0.086	1.0	0.078	0.17	0.175
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PB	0.059	0.067	0.068	1.0	0.065	0.12	0.119
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	PB	0.064	0.078	0.086	1.0	0.076	0.16	0.159
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	PB	0.05	0.064	0.062	1.0	0.059	0.09	0.093

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.

**Table I.2 (Continued)**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	E	1.02	PF	0.011	0.015	0.015	1.0	0.014	0.01	0.014
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PF	0.015	0.015	0.022	1.0	0.017	0.02	0.018
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	E	1.02	PF	0.017	0.016	0.026	1.0	0.020	0.02	0.021
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PF	0.023	0.023	0.019	1.0	0.022	0.02	0.023
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	E	1.02	PF	0.023	0.023	0.024	1.0	0.023	0.02	0.025
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	E	1.02	PF	0.031	0.031	0.034	1.0	0.032	0.03	0.033
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PF	0.027	0.03	0.038	1.0	0.032	0.03	0.033
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	E	1.02	PF	0.018	0.022	0.027	1.0	0.022	0.02	0.023
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	E	1.01	PF	0.014	0.023	0.035	1.0	0.024	0.02	0.024
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	E	1.01	PF	0.012	0.022	0.045	1.0	0.026	0.03	0.027

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.

**Table I.2 (Continued)**  
**DVR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	140.0000	6.00	5.82	CW	H	0.88	PF	0.03	0.028	0.022	1.0	0.027	0.02	0.021
Trunk	HAD4006A, 1/4 Wave (136-144MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PF	0.031	0.03	0.025	1.0	0.029	0.02	0.024
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	144.0000	6.00	5.83	CW	H	0.87	PF	0.031	0.031	0.025	1.0	0.029	0.02	0.025
Trunk	HAD4007A, 1/4 Wave (144-150.8MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PF	0.032	0.033	0.029	1.0	0.031	0.03	0.029
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	150.8000	6.00	5.81	CW	H	0.87	PF	0.033	0.033	0.026	1.0	0.031	0.03	0.028
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	156.4000	6.00	5.92	CW	H	0.86	PF	0.039	0.037	0.031	1.0	0.036	0.04	0.036
Trunk	HAD4008A, 1/4 Wave (150.8-162MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PF	0.038	0.036	0.031	1.0	0.035	0.03	0.035
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	162.0000	6.00	5.88	CW	H	0.86	PF	0.032	0.033	0.029	1.0	0.031	0.03	0.028
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	167.7000	6.00	5.95	CW	H	0.85	PF	0.032	0.034	0.038	1.0	0.035	0.03	0.033
Trunk	HAD4009A, 1/4 Wave (162-174MHz)	2.15	173.4000	6.00	5.91	CW	H	0.84	PF	0.023	0.03	0.031	1.0	0.028	0.02	0.021

Notes:

MPE calculations are defined in section 14.0  
 Blue fonts: Frequencies not regulated by FCC.



**Appendix J – MPE Measurement Results for LMR VHF**

**Table J.1**  
**LMR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	BS1	0.118	0.122	0.13	0.153	0.164	0.171	0.145	0.138	0.122	0.108	0.5	0.137	0.070	0.072
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	BS1	0.102	0.115	0.119	0.122	0.128	0.13	0.101	0.098	0.085	0.062	0.5	0.106	0.054	0.055
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	BS1	0.074	0.087	0.096	0.107	0.114	0.124	0.089	0.071	0.078	0.063	0.5	0.090	0.046	0.046
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	BS1	0.059	0.064	0.066	0.07	0.083	0.089	0.079	0.077	0.073	0.071	0.5	0.073	0.037	0.037
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	BS2	0.077	0.137	0.174	0.156	0.145	0.124	0.127	0.122	0.113	0.106	0.5	0.128	0.065	0.067
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	BS2	0.079	0.126	0.155	0.149	0.14	0.11	0.1	0.105	0.099	0.085	0.5	0.115	0.059	0.060
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	BS2	0.073	0.111	0.119	0.112	0.097	0.095	0.102	0.104	0.101	0.095	0.5	0.101	0.051	0.052
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	BS2	0.053	0.071	0.075	0.064	0.064	0.073	0.081	0.079	0.076	0.067	0.5	0.070	0.036	0.036
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	BS3	0.043	0.069	0.084	0.092	0.099	0.1	0.096	0.101	0.089	0.086	0.5	0.086	0.044	0.045
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	BS3	0.057	0.083	0.096	0.093	0.098	0.106	0.118	0.113	0.106	0.102	0.5	0.097	0.050	0.051
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	BS3	0.064	0.073	0.103	0.105	0.11	0.115	0.12	0.113	0.11	0.1	0.5	0.101	0.051	0.052
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	BS3	0.049	0.07	0.084	0.102	0.108	0.109	0.11	0.106	0.096	0.088	0.5	0.092	0.047	0.047

MPE calculations are defined in section 14.0.

**Table J.1 (Continued)**  
**LMR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	BS4	0.036	0.057	0.078	0.085	0.086	0.082	0.077	0.075	0.07	0.067	0.5	0.071	0.036	0.037
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	BS4	0.039	0.072	0.093	0.114	0.111	0.11	0.109	0.106	0.098	0.094	0.5	0.095	0.048	0.049
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	BS4	0.03	0.055	0.072	0.078	0.075	0.061	0.056	0.054	0.046	0.044	0.5	0.057	0.029	0.029
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	BS4	0.044	0.078	0.104	0.107	0.098	0.083	0.069	0.068	0.061	0.057	0.5	0.077	0.039	0.039
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	BS5	0.021	0.034	0.037	0.04	0.033	0.033	0.038	0.043	0.038	0.043	0.5	0.036	0.018	0.019
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	BS5	0.04	0.054	0.064	0.07	0.065	0.068	0.07	0.072	0.073	0.068	0.5	0.064	0.033	0.034
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	BS5	0.028	0.043	0.046	0.044	0.04	0.023	0.027	0.032	0.029	0.022	0.5	0.033	0.017	0.017
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	BS5	0.029	0.039	0.04	0.041	0.034	0.035	0.041	0.047	0.033	0.031	0.5	0.037	0.019	0.019

MPE calculations are defined in section 14.0.

**Table J.1 (Continued)**  
**LMR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	BS1	0.073	0.072	0.068	0.067	0.073	0.081	0.084	0.079	0.077	0.070	0.5	0.074	0.079	0.081
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	BS1	0.074	0.063	0.061	0.063	0.068	0.072	0.071	0.067	0.062	0.062	0.5	0.066	0.061	0.063
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	BS1	0.069	0.058	0.055	0.056	0.053	0.069	0.066	0.067	0.070	0.071	0.5	0.063	0.055	0.056
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	BS1	0.056	0.044	0.045	0.053	0.057	0.060	0.061	0.062	0.070	0.072	0.5	0.058	0.045	0.045
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	BS2	0.056	0.066	0.053	0.056	0.063	0.068	0.076	0.078	0.064	0.065	0.5	0.065	0.059	0.061
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	BS2	0.057	0.068	0.065	0.065	0.073	0.079	0.084	0.079	0.080	0.073	0.5	0.072	0.073	0.075
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	BS2	0.066	0.060	0.053	0.065	0.073	0.081	0.083	0.079	0.073	0.067	0.5	0.070	0.067	0.068
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	BS2	0.067	0.066	0.058	0.070	0.077	0.083	0.084	0.078	0.071	0.068	0.5	0.072	0.069	0.070
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	BS3	0.048	0.048	0.049	0.051	0.051	0.057	0.055	0.055	0.053	0.055	0.5	0.052	0.039	0.040
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	BS3	0.046	0.054	0.051	0.042	0.047	0.054	0.065	0.061	0.058	0.060	0.5	0.054	0.040	0.041
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	BS3	0.040	0.049	0.048	0.048	0.043	0.053	0.051	0.055	0.044	0.050	0.5	0.048	0.032	0.032
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	BS3	0.040	0.045	0.046	0.050	0.042	0.054	0.048	0.051	0.052	0.052	0.5	0.048	0.031	0.031

MPE calculations are defined in section 14.0.

**Table J.1 (Continued)**  
**LMR VHF - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	BS4	0.048	0.043	0.047	0.041	0.044	0.046	0.048	0.049	0.049	0.048	0.5	0.046	0.031	0.031
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	BS4	0.038	0.034	0.040	0.035	0.036	0.038	0.042	0.043	0.047	0.049	0.5	0.040	0.023	0.023
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	BS4	0.043	0.041	0.043	0.036	0.037	0.038	0.039	0.041	0.043	0.042	0.5	0.040	0.022	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	BS4	0.044	0.047	0.048	0.048	0.044	0.038	0.039	0.041	0.046	0.048	0.5	0.044	0.026	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	BS5	0.030	0.024	0.028	0.027	0.032	0.037	0.039	0.044	0.041	0.040	0.5	0.034	0.017	0.017
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	BS5	0.027	0.026	0.028	0.026	0.029	0.030	0.036	0.038	0.041	0.045	0.5	0.033	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	BS5	0.039	0.031	0.032	0.037	0.042	0.046	0.047	0.044	0.041	0.037	0.5	0.040	0.021	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	BS5	0.030	0.028	0.027	0.030	0.033	0.037	0.039	0.038	0.037	0.036	0.5	0.034	0.015	0.015

MPE calculations are defined in section 14.0.

**Table J.2**

**LMR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	PB	0.266	0.183	0.172	0.5	0.207	0.106	0.108
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	PB	0.19	0.28	0.26	0.5	0.243	0.124	0.127
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	PB	0.127	0.142	0.158	0.5	0.142	0.072	0.073
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	PB	0.137	0.045	0.092	0.5	0.091	0.046	0.047
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	E	1.02	PF	0.046	0.077	0.069	0.5	0.064	0.033	0.033
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	E	1.02	PF	0.059	0.074	0.129	0.5	0.087	0.045	0.046
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	E	1.01	PF	0.093	0.114	0.088	0.5	0.098	0.050	0.051
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	E	1.01	PF	0.043	0.068	0.056	0.5	0.056	0.028	0.028

MPE calculations are defined in section 14.0.

**Table J.2 (Continued)**

**LMR VHF - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	PB	0.105	0.085	0.077	0.5	0.089	0.113	0.116
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	PB	0.084	0.101	0.094	0.5	0.093	0.121	0.123
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	PB	0.051	0.063	0.079	0.5	0.064	0.056	0.057
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	PB	0.062	0.032	0.024	0.5	0.039	0.021	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	150.8000	60.0	58.6	CW	H	0.87	PF	0.066	0.052	0.045	0.5	0.054	0.042	0.043
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	158.0125	60.0	58.6	CW	H	0.86	PF	0.069	0.068	0.059	0.5	0.065	0.060	0.061
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	165.0125	60.0	59.0	CW	H	0.85	PF	0.071	0.07	0.061	0.5	0.067	0.062	0.063
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	173.0125	60.0	59.3	CW	H	0.84	PF	0.052	0.049	0.036	0.5	0.046	0.028	0.028

MPE calculations are defined in section 14.0.

**Appendix K – MPE Measurement Results for LMR UHF R1**



**Table K.1**

**LMR UHF R1 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	54.0	53.4	CW	E	0.99	BS1	0.016	0.013	0.017	0.026	0.04	0.056	0.055	0.049	0.048	0.053	0.5	0.037	0.02	0.019
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54.0	53.5	CW	E	1.00	BS1	0.017	0.024	0.048	0.056	0.071	0.079	0.079	0.072	0.059	0.074	0.5	0.058	0.03	0.029
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54.0	53.0	CW	E	1.01	BS1	0.049	0.055	0.076	0.082	0.096	0.087	0.073	0.067	0.095	0.128	0.5	0.081	0.04	0.042
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS1	0.031	0.033	0.051	0.056	0.064	0.065	0.065	0.054	0.046	0.07	0.5	0.054	0.03	0.028
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54	53.3	CW	E	1.04	BS1	0.032	0.041	0.058	0.068	0.075	0.067	0.064	0.047	0.043	0.083	0.5	0.058	0.03	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	54.0	53.4	CW	E	0.99	BS2	0.02	0.021	0.023	0.026	0.029	0.037	0.038	0.036	0.031	0.042	0.5	0.030	0.01	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54.0	53.5	CW	E	1	BS2	0.03	0.028	0.029	0.031	0.032	0.033	0.035	0.032	0.031	0.038	0.5	0.032	0.02	0.016
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54.0	53.0	CW	E	1.01	BS2	0.029	0.028	0.031	0.033	0.041	0.056	0.058	0.052	0.054	0.074	0.5	0.046	0.02	0.023
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS2	0.014	0.016	0.019	0.02	0.028	0.039	0.042	0.04	0.047	0.075	0.5	0.034	0.02	0.018
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS2	0.025	0.027	0.028	0.03	0.046	0.052	0.054	0.038	0.045	0.052	0.5	0.040	0.02	0.021

MPE calculations are defined in section 14.0.

Table K.1 (Continued)

LMR UHF R1 - MPE measurement data for Bystander

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										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	406.5000	54	53.4	CW	E	0.99	BS3	0.024	0.025	0.027	0.035	0.024	0.015	0.021	0.033	0.035	0.031	0.5	0.027	0.01	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54.0	53.5	CW	E	1.00	BS3	0.019	0.02	0.034	0.038	0.029	0.021	0.023	0.024	0.032	0.049	0.5	0.029	0.01	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54.0	53.0	CW	E	1.01	BS3	0.02	0.022	0.029	0.037	0.029	0.033	0.037	0.045	0.052	0.058	0.5	0.036	0.02	0.019
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS3	0.017	0.018	0.025	0.029	0.03	0.029	0.037	0.036	0.033	0.043	0.5	0.030	0.02	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS3	0.026	0.033	0.034	0.035	0.027	0.026	0.025	0.031	0.045	0.067	0.5	0.035	0.02	0.018
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	54.0	53.4	CW	E	0.99	BS4	0.014	0.017	0.013	0.016	0.016	0.015	0.013	0.012	0.012	0.016	0.5	0.014	0.01	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54.0	53.5	CW	E	1.00	BS4	0.011	0.012	0.012	0.016	0.017	0.02	0.015	0.009	0.011	0.018	0.5	0.014	0.01	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54.0	53.0	CW	E	1.01	BS4	0.007	0.008	0.008	0.018	0.025	0.019	0.02	0.013	0.012	0.02	0.5	0.015	0.01	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS4	0.011	0.011	0.005	0.009	0.009	0.014	0.017	0.016	0.014	0.013	0.5	0.012	0.01	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54	53.3	CW	E	1.04	BS4	0.013	0.009	0.009	0.017	0.021	0.021	0.013	0.009	0.006	0.012	0.5	0.013	0.01	0.007

MPE calculations are defined in section 14.0.

**Table K.1 (Continued)**  
**LMR UHF R1 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	54.0	53.4	CW	E	0.99	BS5	0.001	0.001	0.003	0.003	0.005	0.007	0.011	0.012	0.01	0.007	0.5	0.006	0.00	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54.0	53.5	CW	E	1	BS5	0.001	0.003	0.007	0.006	0.011	0.012	0.008	0.006	0.003	0.004	0.5	0.006	0.00	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54.0	53.0	CW	E	1.01	BS5	0.001	0.002	0.003	0.005	0.007	0.018	0.019	0.016	0.016	0.012	0.5	0.010	0.00	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS5	0.002	0.003	0.003	0.003	0.005	0.009	0.013	0.012	0.005	0.006	0.5	0.006	0.00	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS5	0.001	0.002	0.002	0.005	0.01	0.014	0.015	0.007	0.005	0.007	0.5	0.007	0.00	0.004

MPE calculations are defined in section 14.0.

**Table K.2**  
**LMR UHF R1 - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	54.0	53.4	CW	E	0.99	PB	0.114	0.067	0.083	0.5	0.088	0.04	0.044
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54	53.5	CW	E	1	PB	0.06	0.045	0.053	0.5	0.053	0.03	0.027
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54.0	53.0	CW	E	1.01	PB	0.139	0.097	0.09	0.5	0.109	0.05	0.056
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54	53.2	CW	E	1.02	PB	0.06	0.06	0.094	0.5	0.071	0.04	0.037
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54	53.3	CW	E	1.04	PB	0.073	0.056	0.051	0.5	0.060	0.03	0.032
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	406.5000	54.0	53.4	CW	E	0.99	PF	0.003	0.007	0.003	0.5	0.004	0.00	0.002
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	422.0125	54	53.5	CW	E	1	PF	0.004	0.014	0.013	0.5	0.010	0.01	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	438.0125	54	53.0	CW	E	1.01	PF	0.004	0.005	0.017	0.5	0.009	0.00	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	PF	0.004	0.015	0.025	0.5	0.015	0.01	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54	53.3	CW	E	1.04	PF	0.005	0.008	0.015	0.5	0.009	0.00	0.005

MPE calculations are defined in section 14.0.

**Appendix L – MPE Measurement Results for LMR UHF R2**

**Table L.1**

**LMR UHF R2 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS1	0.031	0.033	0.051	0.056	0.064	0.065	0.065	0.054	0.046	0.07	0.5	0.054	0.03	0.028
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS1	0.032	0.041	0.058	0.068	0.075	0.067	0.064	0.047	0.043	0.083	0.5	0.058	0.03	0.030
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54.0	53.5	CW	E	1.05	BS1	0.036	0.038	0.05	0.055	0.063	0.062	0.068	0.059	0.063	0.106	0.5	0.060	0.03	0.032
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	BS1	0.027	0.03	0.049	0.051	0.059	0.054	0.058	0.046	0.046	0.066	0.5	0.049	0.03	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.5	CW	E	1.06	BS1	0.043	0.056	0.075	0.075	0.083	0.07	0.071	0.071	0.08	0.085	0.5	0.071	0.04	0.038
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS2	0.014	0.016	0.019	0.02	0.028	0.039	0.042	0.04	0.047	0.075	0.5	0.034	0.02	0.018
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS2	0.025	0.027	0.028	0.03	0.046	0.052	0.054	0.038	0.045	0.052	0.5	0.040	0.02	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54.0	53.5	CW	E	1.05	BS2	0.02	0.021	0.023	0.034	0.055	0.057	0.06	0.043	0.051	0.077	0.5	0.044	0.02	0.023
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	BS2	0.013	0.016	0.024	0.027	0.038	0.055	0.062	0.051	0.05	0.071	0.5	0.041	0.02	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48	47.5	CW	E	1.06	BS2	0.016	0.017	0.031	0.031	0.054	0.081	0.094	0.077	0.076	0.099	0.5	0.058	0.03	0.031

MPE calculations are defined in section 14.0.

**Table L.1 (Continued)**  
**LMR UHF R2 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS3	0.017	0.018	0.025	0.029	0.03	0.029	0.037	0.036	0.033	0.043	0.5	0.030	0.02	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS3	0.026	0.033	0.034	0.035	0.027	0.026	0.025	0.031	0.045	0.067	0.5	0.035	0.02	0.018
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54.0	53.5	CW	E	1.05	BS3	0.038	0.039	0.04	0.038	0.034	0.033	0.033	0.048	0.046	0.054	0.5	0.040	0.02	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	BS3	0.022	0.027	0.03	0.032	0.033	0.034	0.037	0.034	0.033	0.038	0.5	0.032	0.02	0.017
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.5	CW	E	1.06	BS3	0.027	0.032	0.044	0.046	0.049	0.039	0.037	0.036	0.033	0.043	0.5	0.039	0.02	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS4	0.011	0.011	0.005	0.009	0.009	0.014	0.017	0.016	0.014	0.013	0.5	0.012	0.01	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS4	0.013	0.009	0.009	0.017	0.021	0.021	0.013	0.009	0.006	0.012	0.5	0.013	0.01	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54.0	53.5	CW	E	1.05	BS4	0.015	0.01	0.012	0.019	0.021	0.023	0.017	0.009	0.007	0.006	0.5	0.014	0.01	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	BS4	0.014	0.009	0.013	0.02	0.018	0.017	0.012	0.011	0.01	0.017	0.5	0.014	0.01	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48.0	47.5	CW	E	1.06	BS4	0.018	0.016	0.022	0.03	0.031	0.023	0.016	0.011	0.016	0.018	0.5	0.020	0.01	0.011

MPE calculations are defined in section 14.0.

**Table L.1 (Continued)**

**LMR UHF R2 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.		Test Pos.	MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	BS5	0.002	0.003	0.003	0.003	0.005	0.009	0.013	0.012	0.005	0.006	0.5	0.006	0.00	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	BS5	0.001	0.002	0.002	0.005	0.01	0.014	0.015	0.007	0.005	0.007	0.5	0.007	0.00	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54.0	53.5	CW	E	1.05	BS5	0.003	0.004	0.005	0.007	0.013	0.02	0.021	0.011	0.007	0.011	0.5	0.010	0.01	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	BS5	0.001	0.004	0.004	0.007	0.006	0.012	0.009	0.014	0.013	0.017	0.5	0.009	0.00	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48	47.5	CW	E	1.06	BS5	0.004	0.006	0.008	0.011	0.019	0.018	0.017	0.016	0.016	0.019	0.5	0.013	0.01	0.007

MPE calculations are defined in section 14.0.



**Table L.2**  
**LMR UHF R2 - MPE measurement data for Passenger**

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)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54	53.2	CW	E	1.02	PB	0.06	0.06	0.094	0.5	0.071	0.04	0.037
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54.0	53.3	CW	E	1.04	PB	0.073	0.056	0.051	0.5	0.060	0.03	0.032
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54	53.5	CW	E	1.05	PB	0.058	0.034	0.053	0.5	0.048	0.03	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	PB	0.047	0.034	0.038	0.5	0.040	0.02	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48	47.5	CW	E	1.06	PB	0.019	0.037	0.07	0.5	0.042	0.02	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	450.0125	54.0	53.2	CW	E	1.02	PF	0.004	0.015	0.025	0.5	0.015	0.01	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	469.9875	54	53.3	CW	E	1.04	PF	0.005	0.008	0.015	0.5	0.009	0.00	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	482.5000	54	53.5	CW	E	1.05	PF	0.013	0.025	0.076	0.5	0.038	0.02	0.020
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	496.5000	48.0	46.7	CW	E	1.06	PF	0.056	0.075	0.116	0.5	0.082	0.04	0.045
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	511.9875	48	47.5	CW	E	1.06	PF	0.051	0.048	0.091	0.5	0.063	0.03	0.034

MPE calculations are defined in section 14.0.

**Appendix M – MPE Measurement Results for LMR 7/800**

**Table M.1**

**LMR 7/800 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										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	770.0125	36.0	36.0	CW	E	1.16	BS1	0.011	0.011	0.011	0.019	0.025	0.042	0.061	0.104	0.140	0.140	0.5	0.056	0.033	0.033
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	BS1	0.007	0.017	0.020	0.020	0.022	0.022	0.055	0.077	0.106	0.106	0.5	0.045	0.026	0.026
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.15992	BS1	0.006	0.006	0.010	0.010	0.010	0.013	0.027	0.041	0.055	0.055	0.5	0.023	0.014	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14064	BS1	0.006	0.007	0.008	0.008	0.008	0.008	0.012	0.031	0.047	0.047	0.5	0.018	0.010	0.011
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11196	BS1	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.013	0.025	0.028	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10039	BS1	0.002	0.005	0.005	0.006	0.006	0.006	0.006	0.015	0.033	0.033	0.5	0.012	0.006	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09319	BS1	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.007	0.015	0.015	0.5	0.006	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	36.0	CW	E	1.16	BS2	0.003	0.009	0.011	0.011	0.016	0.040	0.046	0.103	0.111	0.111	0.5	0.046	0.027	0.027
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	BS2	0.003	0.009	0.009	0.009	0.015	0.026	0.057	0.118	0.160	0.160	0.5	0.057	0.033	0.033
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.15992	BS2	0.002	0.004	0.003	0.002	0.006	0.005	0.028	0.034	0.044	0.052	0.5	0.018	0.010	0.011
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14064	BS2	0.005	0.007	0.007	0.007	0.008	0.008	0.011	0.032	0.042	0.049	0.5	0.018	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11196	BS2	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.013	0.025	0.025	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10039	BS2	0.002	0.003	0.004	0.004	0.004	0.004	0.004	0.010	0.018	0.018	0.5	0.007	0.004	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09319	BS2	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.010	0.012	0.5	0.004	0.002	0.002

MPE calculations are defined in section 14.0.

**Table M.1 (Continued)**

**LMR 7/800 - 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)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor		Bystander (BS) Positions													
										20 cm	40 cm	60 cm	80 cm	100 cm	120 cm	140 cm	160 cm	180 cm	200 cm				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	36.0	CW	E	1.16	BS3	0.008	0.017	0.017	0.017	0.017	0.017	0.018	0.035	0.056	0.056	0.5	0.026	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	BS3	0.013	0.013	0.013	0.013	0.013	0.015	0.027	0.071	0.088	0.088	0.5	0.035	0.021	0.021
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.15992	BS3	0.005	0.005	0.005	0.005	0.005	0.005	0.014	0.024	0.034	0.034	0.5	0.014	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14064	BS3	0.003	0.003	0.003	0.003	0.003	0.009	0.015	0.022	0.022	0.028	0.5	0.011	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11196	BS3	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.006	0.014	0.015	0.5	0.005	0.003	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10039	BS3	0.001	0.002	0.002	0.002	0.002	0.002	0.004	0.007	0.011	0.011	0.5	0.004	0.002	0.003
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09319	BS3	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.005	0.007	0.5	0.003	0.001	0.001
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	36.0	CW	E	1.16	BS4	0.003	0.003	0.003	0.005	0.005	0.005	0.006	0.018	0.031	0.034	0.5	0.011	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	BS4	0.004	0.004	0.004	0.004	0.006	0.011	0.017	0.030	0.049	0.045	0.5	0.017	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.15992	BS4	0.004	0.004	0.003	0.005	0.004	0.009	0.011	0.035	0.054	0.056	0.5	0.019	0.011	0.011
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14064	BS4	0.004	0.004	0.005	0.011	0.011	0.011	0.015	0.032	0.064	0.089	0.5	0.025	0.014	0.014
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11196	BS4	0.004	0.004	0.004	0.005	0.005	0.008	0.008	0.029	0.058	0.076	0.5	0.020	0.011	0.012
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10039	BS4	0.005	0.005	0.005	0.005	0.005	0.007	0.013	0.034	0.056	0.063	0.5	0.020	0.011	0.011
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09319	BS4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.014	0.035	0.048	0.5	0.013	0.007	0.007

MPE calculations are defined in section 14.0.

**Table M.1 (Continued)**  
**LMR 7/800 - MPE measurement data for Bystander**

D.U.T. Info.							Probe Info.			MPE Measurements										DUT Max. TX Factor	Avg. over Body (mW/cm <sup>2</sup> )	Calc. P.D. (mW/cm <sup>2</sup> )	Max Calc. P.D. (mW/cm <sup>2</sup> )
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Bystander (BS) Positions													
										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	770.0125	36.0	36.0	CW	E	1.16	BS5	0.001	0.001	0.001	0.001	0.007	0.009	0.011	0.014	0.034	0.050	0.5	0.013	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	BS5	0.000	0.001	0.002	0.002	0.003	0.005	0.007	0.012	0.024	0.029	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.16	BS5	0.001	0.001	0.004	0.006	0.009	0.009	0.011	0.013	0.023	0.039	0.5	0.012	0.007	0.007
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14	BS5	0.001	0.001	0.001	0.001	0.008	0.015	0.018	0.023	0.038	0.046	0.5	0.014	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11	BS5	0.001	0.001	0.001	0.001	0.001	0.003	0.003	0.012	0.018	0.029	0.5	0.007	0.004	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10	BS5	0.001	0.001	0.004	0.004	0.004	0.004	0.005	0.008	0.020	0.041	0.5	0.009	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09	BS5	0.001	0.001	0.001	0.001	0.001	0.001	0.004	0.006	0.012	0.021	0.5	0.005	0.003	0.003

MPE calculations are defined in section 14.0.

**Table M.2**  
**LMR 7/800 - MPE measurement data for Passenger**

D.U.T. Info.							Probe Info.			MPE Measurements			DUT Max. TX Factor	Avg. over Body (mW/cm2)	Calc. P.D. (mW/cm2)	Max Calc. P.D. (mW/cm2)
Ant Loc.	Ant. Model/ Desc.	Ant. Gain (dBi)	Tx Freq (MHz)	Max Pwr (W)	Initial Pwr (W)	Test Mode	E/H Field	Probe Cal. Factor	Test Pos.	Passenger/Operator (MC) Positions						
										Head/ Top 1/3	Chest/ Middle 1/3	Lower Trunk/ Bottom 1/3				
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	36.0	CW	E	1.16	PB	0.037	0.033	0.031	0.5	0.034	0.020	0.020
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	PB	0.046	0.015	0.016	0.5	0.026	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.16	PB	0.027	0.029	0.082	0.5	0.046	0.027	0.027
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14	PB	0.028	0.036	0.051	0.5	0.038	0.022	0.022
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11	PB	0.041	0.006	0.033	0.5	0.027	0.015	0.015
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10	PB	0.015	0.015	0.022	0.5	0.017	0.010	0.010
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09	PB	0.003	0.012	0.014	0.5	0.010	0.005	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	770.0125	36.0	36.0	CW	E	1.16	PF	0.003	0.002	0.003	0.5	0.003	0.002	0.002
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	775.9125	36.0	36.0	CW	E	1.16	PF	0.002	0.004	0.003	0.5	0.003	0.002	0.002
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	806.0125	42.0	41.6	CW	E	1.16	PF	0.005	0.007	0.013	0.5	0.008	0.005	0.005
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	823.9875	42.0	41.0	CW	E	1.14	PF	0.013	0.018	0.012	0.5	0.014	0.008	0.008
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	851.0125	42.0	40.3	CW	E	1.11	PF	0.018	0.007	0.005	0.5	0.010	0.006	0.006
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	862.0125	42.0	40.0	CW	E	1.10	PF	0.012	0.005	0.004	0.5	0.007	0.004	0.004
Roof	AN000131A01, 1/4 wave (136-870MHz)	2.15	868.8875	42.0	40.1	CW	E	1.09	PF	0.012	0.005	0.009	0.5	0.009	0.005	0.005

MPE calculations are defined in section 13.0.