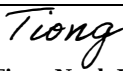


 MOTOROLA SOLUTIONS	  CERTIFICATE 2518.05
DECLARATION OF COMPLIANCE: MPE ASSESSMENT Report Part 3 of 3	
Motorola Solutions EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd (Innoplex) Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	Date of Report: 5/15/2017 Report Revision: A
Responsible Engineer: Report author: Date(s) Tested: Manufacturer: Date submitted for test: DUT Description: Test TX mode(s): Max. Power output: TX Frequency Bands: Signaling type: Model(s) Tested: Model(s) Certified: Serial Number(s): Classification: FCC ID: IC:	Saw Sun Hock (EME Engineer) Saw Sun Hock (EME Engineer) 2/15/2017-3/27/2017 Futurecom Systems Group 01/13/2017 DVR UHF (380-512 MHz), Digital Vehicular Repeater Companion Mobile: APX8500 mobile All Bands (VHF, UHF, 7/800) CW DVR: 10W (100% duty cycle) Companion Mobile: 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) DVR: 380-512 MHz Companion Mobile: 136-174 MHz; 380-520 MHz; 764-805 MHz; 806-870 MHz; WLAN 2400-2483.5 MHz; Bluetooth 2402-2480 MHz FM, TDMA, 802.11b/g/n (WLAN) DVR: MOBEXCOM DVRS UHF (DQPM DVR4000P, DQPM DVR5000P, DQPM DVR6000P) Companion Mobile: M37TSS9PW1AN MOBEXCOM DVRS UHF (DQPM DVR4000P, DQPM DVR5000P, DQPM DVR6000P) 16102684; 16030465; 16102751 (DVR) , KLDORDDUC (Companion Mobile) Occupational/Controlled Environment DVR: LO6-DVRSUHF 406.1-512 MHz Companion Mobile: 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. DVR: 2098B-DVRSUHF Companion Mobile: 109U-92FT7089 This report contains results that are immaterial for ICSED Canada equipment approval, which are clearly identified.
The MPE results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits. FCC rules require compliance for Passengers and Bystanders to the FCC General Population/Uncontrolled limits.	
Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc. EME Laboratory. I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-159 April 2006 The results and statements contained in this report pertain only to the device(s) evaluated herein.	
 Tiong Nguk Ing Deputy Technical Manager Approval Date: 6/1/2017	

Appendix I – MPE Measurement Results for DVR UHF

Table I.1

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

MPE calculations are defined in section 14.0.

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

MPE calculations are defined in section 14.0.

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

MPE calculations are defined in section 14.0.

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

MPE calculations are defined in section 14.0.

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

MPE calculations are defined in section 14.0.

Table I.2
DVR VHF - 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				
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	PB	0.059	0.154	0.092	1.0	0.102	0.10	0.104
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	PB	0.081	0.096	0.098	1.0	0.092	0.09	0.092
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	PB	0.081	0.036	0.069	1.0	0.062	0.06	0.065
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	406.5000	10.00	9.68	CW	E	0.99	PF	0.051	0.062	0.015	1.0	0.043	0.04	0.044
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	417.5000	10.00	9.90	CW	E	0.99	PF	0.031	0.047	0.007	1.0	0.028	0.03	0.028
Trunk	HAE6012A, 1/4 Wave (380-433MHz)	2.15	429.9875	10.00	9.60	CW	E	1.00	PF	0.033	0.045	0.023	1.0	0.034	0.03	0.035
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	450.0000	10.00	9.96	CW	E	1.02	PB	0.177	0.094	0.178	1.0	0.150	0.15	0.153
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	460.0000	10.00	9.90	CW	E	1.03	PB	0.187	0.138	0.144	1.0	0.156	0.161	0.163
Trunk	HAE4003A, 1/4 Wave (450-470MHz)	2.15	470.0000	10.00	10.00	CW	E	1.04	PB	0.157	0.097	0.094	1.0	0.116	0.12	0.121

MPE calculations are defined in section 14.0.

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

MPE calculations are defined in section 14.0.

Appendix J – MPE Measurement Results for LMR VHF

Table J.1**LMR 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
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/ 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	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.			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	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.		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	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/ 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	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.		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	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/ 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	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.			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	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/ 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	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/ 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	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/ 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	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.		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	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	0.012	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	0.013	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/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
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.		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				
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.