



FCC SAR TEST REPORT

Report No. : FA440146B

	FR1 n77_Ant 6+7(6)	100M	BPSK	135	138	Front	15mm	Argon		DSI 0	656000	3840	19.84	21.0	1.306	0.05	0.112	0.146
	FR1 n77_Ant 6+7(7)	100M	BPSK	135	138	Front	15mm	Argon		DSI 0	656000	3840	19.97	21.0	1.268	0.05	0.108	0.137
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	656000	3840	20.46	21.0	1.132	-0.08	0.221	0.250
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	656000	3840	20.90	21.0	1.023	-0.08	0.211	0.216
	FR1 n77_Ant 6+7(6)	100M	BPSK	135	138	Back	15mm	Argon		DSI 0	656000	3840	19.84	21.0	1.306	0.01	0.188	0.246
	FR1 n77_Ant 6+7(7)	100M	BPSK	135	138	Back	15mm	Argon		DSI 0	656000	3840	19.97	21.0	1.268	0.01	0.165	0.209
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	Holster	DSI 0	656000	3840	20.46	21.0	1.132	0.18	0.168	0.190
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	Holster	DSI 0	656000	3840	20.90	21.0	1.023	0.18	0.154	0.158
	FR1 n77_HPUE_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	656000	3840	23.96	24.0	1.009	-0.11	0.194	0.196
	FR1 n77_HPUE_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	656000	3840	23.03	24.0	1.250	-0.11	0.184	0.230
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Xenon		DSI 0	656000	3840	20.46	21.0	1.132	0.04	0.189	0.214
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Xenon		DSI 0	656000	3840	20.90	21.0	1.023	0.04	0.152	0.156
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Front	15mm	Argon		DSI 0	633332	3499.98	20.45	21.0	1.135	-0.07	0.073	0.083
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Front	15mm	Argon		DSI 0	633332	3499.98	20.25	21.0	1.189	-0.07	0.171	0.203
	FR1 n77_Ant 6+7(6)	100M	BPSK	135	138	Front	15mm	Argon		DSI 0	633332	3499.98	20.09	21.0	1.233	0.05	0.065	0.080
	FR1 n77_Ant 6+7(7)	100M	BPSK	135	138	Front	15mm	Argon		DSI 0	633332	3499.98	19.57	21.0	1.390	0.05	0.145	0.202
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	633332	3499.98	20.45	21.0	1.135	0.02	0.139	0.158
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	633332	3499.98	20.25	21.0	1.189	0.02	0.248	0.295
	FR1 n77_Ant 6+7(6)	100M	BPSK	135	138	Back	15mm	Argon		DSI 0	633332	3499.98	20.09	21.0	1.233	-0.15	0.125	0.154
	FR1 n77_Ant 6+7(7)	100M	BPSK	135	138	Back	15mm	Argon		DSI 0	633332	3499.98	19.57	21.0	1.390	-0.15	0.209	0.291
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	Holster	DSI 0	633332	3499.98	20.45	21.0	1.135	-0.12	0.038	0.043
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	Holster	DSI 0	633332	3499.98	20.25	21.0	1.189	-0.12	0.130	0.155
	FR1 n77_HPUE_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	633332	3499.98	23.55	24.0	1.109	-0.16	0.056	0.062
	FR1 n77_HPUE_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	633332	3499.98	22.67	24.0	1.358	-0.16	0.159	0.216
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Xenon		DSI 0	633332	3499.98	20.25	21.0	1.189	-0.02	0.102	0.121
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Xenon		DSI 0	633332	3499.98	20.25	21.0	1.189	-0.02	0.209	0.248
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Front	15mm	Argon		DSI 0	641666	3624.99	20.84	21.0	1.038	-0.07	0.132	0.137
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Front	15mm	Argon		DSI 0	641666	3624.99	19.71	21.0	1.346	-0.07	0.242	0.326
	FR1 n77_Ant 6+7(6)	100M	BPSK	135	69	Front	15mm	Argon		DSI 0	641666	3624.99	20.77	21.0	1.054	0.06	0.115	0.121
	FR1 n77_Ant 6+7(7)	100M	BPSK	135	69	Front	15mm	Argon		DSI 0	641666	3624.99	19.51	21.0	1.409	0.06	0.215	0.303
86	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	641666	3624.99	20.84	21.0	1.038	-0.1	0.171	0.177
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	641666	3624.99	19.71	21.0	1.346	-0.1	0.290	0.390
	FR1 n77_Ant 6+7(6)	100M	BPSK	135	69	Back	15mm	Argon		DSI 0	641666	3624.99	20.77	21.0	1.054	0.11	0.158	0.167
	FR1 n77_Ant 6+7(7)	100M	BPSK	135	69	Back	15mm	Argon		DSI 0	641666	3624.99	19.51	21.0	1.409	0.11	0.268	0.378
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	Holster	DSI 0	641666	3624.99	20.84	21.0	1.038	-0.07	0.065	0.067
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	Holster	DSI 0	641666	3624.99	19.71	21.0	1.346	-0.07	0.176	0.237
	FR1 n77_HPUE_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	641666	3624.99	23.90	24.0	1.023	0.05	0.105	0.107
	FR1 n77_HPUE_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Argon		DSI 0	641666	3624.99	22.80	24.0	1.318	0.05	0.269	0.355
	FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	15mm	Xenon		DSI 0	641666	3624.99	20.84	21.0	1.038	0.12	0.112	0.116
	FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	15mm	Xenon		DSI 0	641666	3624.99	19.71	21.0	1.346	0.12	0.241	0.324



<WLAN SAR>

Table with 17 columns: Plot No., Band, Mode, Test Position, Gap (mm), Antenna, Scanner, Holster, Ch., Freq. (MHz), Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows include test data for 87, 88, 89, 90, and 91 across various frequencies and antenna configurations.



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Holster	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured APD (W/m ²)	Reported APD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 8+9(8)	Agron		15	6025	10.13	10.20	1.016	98.79	1.012	0.19	0.044	0.045	0.331	0.340
	WLAN6GHz	802.11ax-HE160 MCS0	Front	15mm	Ant 8+9(9)	Agron		15	6025	10.17	10.20	1.007	98.79	1.012	0.19	0.021	0.021	0.158	0.161
92	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(8)	Agron		15	6025	10.13	10.20	1.016	98.79	1.012	0.15	0.133	0.137	1.000	1.028
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(9)	Agron		15	6025	10.17	10.20	1.007	98.79	1.012	0.15	0.062	0.063	0.466	0.475
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(8)	Agron		47	6185	9.82	10.20	1.091	98.79	1.012	0.17	0.111	0.123	0.835	0.922
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(9)	Agron		47	6185	9.94	10.20	1.062	98.79	1.012	0.17	0.052	0.056	0.391	0.420
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(8)	Agron		111	6505	9.78	10.20	1.102	98.79	1.012	0	0.098	0.109	0.737	0.822
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(9)	Agron		111	6505	10.02	10.20	1.042	98.79	1.012	0	0.046	0.049	0.346	0.365
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(8)	Agron		143	6665	9.90	10.20	1.072	98.79	1.012	0.05	0.089	0.097	0.669	0.725
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(9)	Agron		143	6665	9.98	10.20	1.052	98.79	1.012	0.05	0.041	0.044	0.308	0.328
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(8)	Agron		207	6985	9.76	10.20	1.107	98.79	1.012	0.07	0.109	0.122	0.820	0.918
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(9)	Agron		207	6985	9.96	10.20	1.057	98.79	1.012	0.07	0.051	0.055	0.383	0.410
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	Holster	15	6025	10.13	10.20	1.016	98.79	1.012	-0.1	0.038	0.039	0.286	0.294
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	Holster	15	6025	10.17	10.20	1.007	98.79	1.012	-0.1	0.018	0.018	0.135	0.138
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(8)	Xenon		15	6025	10.13	10.20	1.016	98.79	1.012	-0.13	0.109	0.112	0.820	0.843
	WLAN6GHz	802.11ax-HE160 MCS0	Back	15mm	Ant 8+9(9)	Xenon		15	6025	10.17	10.20	1.007	98.79	1.012	-0.13	0.051	0.052	0.383	0.390

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Holster	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	15mm	Ant 8	Argon		39	2441	7.01	8.00	1.256	76.96	1.082	0.06	0.001	0.001
93	Bluetooth	1Mbps	Back	15mm	Ant 8	Argon		39	2441	7.01	8.00	1.256	76.96	1.082	0.01	0.004	0.005
	Bluetooth	1Mbps	Back	0mm	Ant 8	Argon	Holster	39	2441	7.01	8.00	1.256	76.96	1.082	-0.02	0.001	0.001
	Bluetooth	1Mbps	Back	15mm	Ant 8	Xenon		39	2441	7.01	8.00	1.256	76.96	1.082	0.17	0.001	0.001

16.4 Product Specific SAR

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
94	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Argon	DSI 0	189	836.4	29.52	31.00	1.406	-0.08	2.090	2.939
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Argon	DSI 0	128	824.2	29.91	31.00	1.285	0.05	1.800	2.314
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Argon	DSI 0	251	848.8	29.60	31.00	1.380	-0.03	1.560	2.153
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Xenon	DSI 0	128	824.2	29.91	31.00	1.285	-0.15	1.850	2.378
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Xenon	DSI 0	189	836.4	29.52	31.00	1.406	0.02	1.590	2.236
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Xenon	DSI 0	251	848.8	29.60	31.00	1.380	0.07	1.370	1.891

<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(8)	Argon	56	5280	15.94	16.70	1.191	99.25	1.008	0	0.293	0.352
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Argon	56	5280	16.68	16.70	1.005	99.25	1.008	0	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	56	5280	15.94	16.70	1.191	99.25	1.008	0.18	0.959	1.152
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	56	5280	16.68	16.70	1.005	99.25	1.008	0.18	0.959	0.971
	WLAN5GHZ	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Argon	56	5280	16.68	16.70	1.005	99.25	1.008	0.15	0.876	0.887
95	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Argon	56	5280	15.94	16.70	1.191	99.25	1.008	-0.12	1.550	1.861
	WLAN5GHZ	802.11a 6Mbps	Top Side	0mm	Ant 8+9(8)	Argon	56	5280	15.94	16.70	1.191	99.25	1.008	-0.09	0.183	0.220
	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Xenon	56	5280	15.94	16.70	1.191	99.25	1.008	0.06	1.470	1.765
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(8)	Argon	144	5720	16.34	16.70	1.086	99.25	1.008	0.05	0.228	0.250
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Argon	144	5720	16.51	16.70	1.045	99.25	1.008	0.05	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	144	5720	16.34	16.70	1.086	99.25	1.008	-0.09	0.716	0.784
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	144	5720	16.51	16.70	1.045	99.25	1.008	-0.09	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Argon	144	5720	16.51	16.70	1.045	99.25	1.008	-0.19	0.796	0.838
96	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Argon	144	5720	16.34	16.70	1.086	99.25	1.008	-0.09	1.270	1.391
	WLAN5GHZ	802.11a 6Mbps	Top Side	0mm	Ant 8+9(8)	Argon	144	5720	16.34	16.70	1.086	99.25	1.008	-0.08	0.139	0.152
	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Xenon	144	5720	16.34	16.70	1.086	99.25	1.008	-0.02	1.260	1.380
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(8)	Argon	157	5785	16.61	16.70	1.021	99.24	1.008	0.08	0.288	0.296
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Argon	157	5785	16.55	16.70	1.035	99.24	1.008	0.08	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	157	5785	16.61	16.70	1.021	99.24	1.008	-0.09	0.759	0.781
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	157	5785	16.55	16.70	1.035	99.24	1.008	-0.09	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Argon	157	5785	16.55	16.70	1.035	99.24	1.008	-0.18	0.877	0.915
97	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Argon	157	5785	16.61	16.70	1.021	99.24	1.008	-0.07	1.380	1.420
	WLAN5GHZ	802.11a 6Mbps	Top Side	0mm	Ant 8+9(8)	Argon	157	5785	16.61	16.70	1.021	99.24	1.008	0.18	0.187	0.192
	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Xenon	157	5785	16.61	16.70	1.021	99.24	1.008	0.15	1.360	1.400
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	0.01	0.402	0.406
	WLAN5GHZ	802.11a 6Mbps	Front	0mm	Ant 8+9(9)	Argon	173	5865	16.70	16.70	1.000	99.38	1.006	0.01	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	0.05	1.090	1.102
	WLAN5GHZ	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	173	5865	16.70	16.70	1.000	99.38	1.006	0.05	0.001	0.001
	WLAN5GHZ	802.11a 6Mbps	Left Side	0mm	Ant 8+9(9)	Argon	173	5865	16.70	16.70	1.000	99.38	1.006	0.16	0.833	0.838
	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	0.08	1.670	1.688
	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Argon	169	5845	16.55	16.70	1.035	99.38	1.006	-0.13	1.480	1.541
98	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Argon	177	5885	16.54	16.70	1.038	99.38	1.006	-0.04	1.860	1.941
	WLAN5GHZ	802.11a 6Mbps	Top Side	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	-0.18	0.302	0.305
	WLAN5GHZ	802.11a 6Mbps	Right Side	0mm	Ant 8+9(8)	Xenon	177	5885	16.54	16.70	1.038	99.38	1.006	0.11	1.440	1.503



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m ²)	Reported APD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 8+9(8)	Agron	Default	15	6025	10.13	10.20	1.016	98.79	1.012	0.08	0.082	0.084	1.990	2.047
	WLAN6GHz	802.11ax-HE160 MCS0	Front	0mm	Ant 8+9(9)	Agron	Default	15	6025	10.17	10.20	1.007	98.79	1.012	0.04	0.001	0.001	0.020	0.020
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	Default	15	6025	10.13	10.20	1.016	98.79	1.012	0.18	0.270	0.278	6.540	6.726
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	Default	15	6025	10.17	10.20	1.007	98.79	1.012	0.1	0.001	0.001	0.020	0.020
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	0mm	Ant 8+9(9)	Agron	Default	15	6025	10.17	10.20	1.007	98.79	1.012	0.09	0.152	0.155	3.680	3.750
99	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 8+9(8)	Agron	Default	15	6025	10.13	10.20	1.016	98.79	1.012	0.02	0.537	0.552	13.000	13.370
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 8+9(8)	Agron	Default	47	6185	9.82	10.20	1.091	98.79	1.012	-0.1	0.430	0.475	10.410	11.498
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 8+9(8)	Agron	Default	111	6505	9.78	10.20	1.102	98.79	1.012	-0.14	0.267	0.298	6.460	7.201
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 8+9(8)	Agron	Default	143	6665	9.90	10.20	1.072	98.79	1.012	0.17	0.253	0.274	6.120	6.636
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 8+9(8)	Agron	Default	207	6985	9.76	10.20	1.107	98.79	1.012	-0.13	0.280	0.314	6.780	7.593
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	0mm	Ant 8+9(8)	Agron	Default	15	6025	10.13	10.20	1.016	98.79	1.012	-0.19	0.096	0.099	2.320	2.386
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	0mm	Ant 8+9(8)	Xenon	Default	15	6025	10.13	10.20	1.016	98.79	1.012	-0.17	0.509	0.523	12.320	12.670

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	Bluetooth	1Mbps	Front	0mm	Ant 8	Argon	39	2441	7.01	8.00	1.256	76.96	1.082	0.09	0.001	0.001
	Bluetooth	1Mbps	Back	0mm	Ant 8	Argon	39	2441	7.01	8.00	1.256	76.96	1.082	-0.13	0.001	0.001
100	Bluetooth	1Mbps	Right Side	0mm	Ant 8	Argon	39	2441	7.01	8.00	1.256	76.96	1.082	0.1	0.015	0.020
	Bluetooth	1Mbps	Top Side	0mm	Ant 8	Argon	39	2441	7.01	8.00	1.256	76.96	1.082	-0.09	0.001	0.001
	Bluetooth	1Mbps	Right Side	0mm	Ant 8	Xenon	39	2441	7.01	8.00	1.256	76.96	1.082	-0.18	0.009	0.012

<NFC SAR>

Plot No.	Band	Test Position	Gap (mm)	Scanner	Freq. (MHz)	Power Drift (dB)	Measured 10g SAR (W/kg)
	NFC	Front	0mm	Argon	13.56	0.05	0.001
101	NFC	Back	0mm	Argon	13.56	-0.16	0.073
	NFC	Right Side	0mm	Argon	13.56	0.01	0.001
	NFC	Left Side	0mm	Argon	13.56	-0.06	0.001
	NFC	Top Side	0mm	Argon	13.56	0.06	0.001
	NFC	Back	0mm	Xenon	13.56	-0.05	0.050



16.5 Hand exposure condition with Pistol

<GSM SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
102	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Argon	DSI 0	189	836.4	29.52	31.00	1.406	-0.02	0.026	0.037
	GSM850_Ant 0	GPRS (4 Tx slots)	Back	0mm	Xenon	DSI 0	189	836.4	29.52	31.00	1.406	0.05	0.024	0.034
103	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	0mm	Argon	DSI 0	661	1880	29.59	31.00	1.099	0.01	0.361	0.397
	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	0mm	Xenon	DSI 0	661	1880	29.59	31.00	1.099	0.16	0.308	0.338

<WCDMA SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
104	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Argon	DSI 0	9262	1852.4	24.47	25.00	1.130	-0.01	0.276	0.312
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	0mm	Xenon	DSI 0	9262	1852.4	24.47	25.00	1.130	0.11	0.271	0.306
105	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Argon	DSI 0	1513	1752.6	24.43	25.00	1.140	0	0.301	0.343
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	0mm	Xenon	DSI 0	1513	1752.6	24.43	25.00	1.140	-0.09	0.288	0.328
106	WCDMA V_Ant 0	RMC 12.2Kbps	Back	0mm	Argon	DSI 0	4233	846.6	24.53	25.00	1.114	0.03	0.510	0.568
	WCDMA V_Ant 0	RMC 12.2Kbps	Back	0mm	Xenon	DSI 0	4233	846.6	24.53	25.00	1.114	0.15	0.492	0.548



<LTE SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
107	LTE Band 7_Ant 1	20M	QPSK	1	0	Back	0mm	Argon	DSI 0	21100	2535	22.96	24.50	1.426			-0.14	0.288	0.411
	LTE Band 7_Ant 1	20M	QPSK	50	24	Back	0mm	Argon	DSI 0	21100	2535	22.15	23.50	1.365			0.01	0.251	0.343
	LTE Band 7_Ant 1	20M	QPSK	1	0	Back	0mm	Xenon	DSI 0	21100	2535	22.96	24.50	1.426			-0.02	0.243	0.346
108	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	0mm	Argon	DSI 0	23095	707.5	23.22	24.50	1.343			-0.02	0.242	0.325
	LTE Band 12_Ant 0	10M	QPSK	25	25	Back	0mm	Argon	DSI 0	23095	707.5	22.55	23.50	1.245			0.06	0.224	0.279
	LTE Band 12_Ant 0	10M	QPSK	1	0	Back	0mm	Xenon	DSI 0	23095	707.5	23.22	24.50	1.343			-0.16	0.166	0.223
109	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	0mm	Argon	DSI 0	23230	782	23.07	24.50	1.390			-0.04	0.280	0.389
	LTE Band 13_Ant 0	10M	QPSK	25	25	Back	0mm	Argon	DSI 0	23230	782	22.19	23.50	1.352			-0.01	0.259	0.350
	LTE Band 13_Ant 0	10M	QPSK	1	0	Back	0mm	Xenon	DSI 0	23230	782	23.07	24.50	1.390			0.03	0.262	0.364
110	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	0mm	Argon	DSI 0	23330	793	23.18	24.50	1.355			-0.03	0.259	0.351
	LTE Band 14_Ant 0	10M	QPSK	25	25	Back	0mm	Argon	DSI 0	23330	793	22.31	23.50	1.315			0.09	0.247	0.325
	LTE Band 14_Ant 0	10M	QPSK	1	0	Back	0mm	Xenon	DSI 0	23330	793	23.18	24.50	1.355			-0.11	0.248	0.336
111	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Argon	DSI 0	26340	1880	23.24	24.50	1.337			0	0.297	0.397
	LTE Band 25_Ant 1	20M	QPSK	50	24	Back	0mm	Argon	DSI 0	26340	1880	22.60	23.50	1.230			0.15	0.278	0.342
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	0mm	Xenon	DSI 0	26340	1880	23.24	24.50	1.337			-0.12	0.247	0.330
112	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	0mm	Argon	DSI 0	26865	831.5	23.20	24.50	1.349			0	0.431	0.581
	LTE Band 26_Ant 0	15M	QPSK	36	39	Back	0mm	Argon	DSI 0	26865	831.5	22.55	23.50	1.245			-0.06	0.421	0.524
	LTE Band 26_Ant 0	15M	QPSK	1	0	Back	0mm	Xenon	DSI 0	26865	831.5	23.20	24.50	1.349			0.05	0.404	0.545
113	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	0mm	Argon	DSI 0	27710	2310	23.12	24.50	1.374			-0.04	0.093	0.128
	LTE Band 30_Ant 1	10M	QPSK	25	0	Back	0mm	Argon	DSI 0	27710	2310	22.05	23.50	1.396			0.01	0.086	0.120
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	0mm	Xenon	DSI 0	27710	2310	23.12	24.50	1.374			0.08	0.091	0.125
114	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Argon	DSI 0	132322	1745	23.21	24.50	1.346			0.02	0.246	0.331
	LTE Band 66_Ant 1	20M	QPSK	50	24	Back	0mm	Argon	DSI 0	132322	1745	22.36	23.50	1.300			0.09	0.236	0.307
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	0mm	Xenon	DSI 0	132322	1745	23.21	24.50	1.346			-0.03	0.243	0.327
115	LTE Band 41_Ant 1	20M	QPSK	1	0	Back	0mm	Argon	DSI 0	40620	2593	23.15	24.50	1.365	62.9	1.006	-0.1	0.214	0.294
	LTE Band 41_Ant 1	20M	QPSK	50	50	Back	0mm	Argon	DSI 0	40620	2593	22.13	23.50	1.371	62.9	1.006	0.05	0.206	0.284
	LTE Band 41_Ant 1	20M	QPSK	1	0	Back	0mm	Xenon	DSI 0	40620	2593	23.15	24.50	1.365	62.9	1.006	-0.03	0.197	0.270
116	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	0mm	Argon	DSI 0	56150	3641	22.40	23.50	1.288	62.9	1.006	0.09	0.145	0.188
	LTE Band 48_Ant 7	20M	QPSK	50	50	Back	0mm	Argon	DSI 0	56150	3641	21.28	22.50	1.324	62.9	1.006	-0.04	0.139	0.185
	LTE Band 48_Ant 7	20M	QPSK	1	0	Back	0mm	Xenon	DSI 0	56150	3641	22.40	23.50	1.288	62.9	1.006	0.06	0.141	0.183



<5G NR SAR>

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
117	FR1 n7_Ant 1	20M	BPSK	1	1	Back	0mm	Argon	DSI 0	507000	2535	24.75	25.00	1.059	-0.1	0.264	0.280
	FR1 n7_Ant 1	20M	BPSK	50	28	Back	0mm	Argon	DSI 0	507000	2535	24.54	25.00	1.112	0.01	0.247	0.275
	FR1 n7_Ant 1	20M	BPSK	1	1	Back	0mm	Xenon	DSI 0	507000	2535	24.75	25.00	1.059	-0.13	0.207	0.219
118	FR1 n12_Ant 0	15M	BPSK	1	1	Back	0mm	Argon	DSI 0	141500	707.5	24.51	25.00	1.119	-0.03	0.341	0.382
	FR1 n12_Ant 0	15M	BPSK	36	22	Back	0mm	Argon	DSI 0	141500	707.5	24.15	25.00	1.216	0.09	0.309	0.376
	FR1 n12_Ant 0	15M	BPSK	1	1	Back	0mm	Xenon	DSI 0	141500	707.5	24.51	25.00	1.119	-0.08	0.332	0.372
119	FR1 n13_Ant 0	10M	BPSK	1	1	Back	0mm	Argon	DSI 0	156400	782	24.16	25.00	1.213	0.02	0.344	0.417
	FR1 n13_Ant 0	10M	BPSK	25	14	Back	0mm	Argon	DSI 0	156400	782	24.03	25.00	1.250	0.05	0.314	0.393
	FR1 n13_Ant 0	10M	BPSK	1	1	Back	0mm	Xenon	DSI 0	156400	782	24.16	25.00	1.213	-0.04	0.325	0.394
120	FR1 n14_Ant 0	10M	BPSK	1	1	Back	0mm	Argon	DSI 0	158600	793	24.57	25.00	1.104	-0.02	0.276	0.305
	FR1 n14_Ant 0	10M	BPSK	25	14	Back	0mm	Argon	DSI 0	158600	793	24.44	25.00	1.138	0.18	0.255	0.290
	FR1 n14_Ant 0	10M	BPSK	1	1	Back	0mm	Xenon	DSI 0	158600	793	24.57	25.00	1.104	0.18	0.269	0.297
121	FR1 n25_Ant 1	20M	BPSK	1	1	Back	0mm	Argon	DSI 0	376500	1882.5	23.88	25.00	1.294	-0.05	0.385	0.498
	FR1 n25_Ant 1	30M	BPSK	80	40	Back	0mm	Argon	DSI 0	376500	1882.5	23.97	25.00	1.268	0.01	0.369	0.468
	FR1 n25_Ant 1	30M	BPSK	1	1	Back	0mm	Xenon	DSI 0	376500	1882.5	24.11	25.00	1.227	0.17	0.372	0.457
122	FR1 n26_Ant 0	20M	BPSK	1	1	Back	0mm	Argon	DSI 0	166300	831.5	24.43	25.00	1.140	-0.01	0.405	0.462
	FR1 n26_Ant 0	20M	BPSK	50	56	Back	0mm	Argon	DSI 0	166300	831.5	23.98	24.50	1.127	0.09	0.381	0.429
	FR1 n26_Ant 0	20M	BPSK	1	1	Back	0mm	Xenon	DSI 0	166300	831.5	24.43	25.00	1.140	-0.08	0.391	0.446
123	FR1 n30_Ant 1	10M	BPSK	1	1	Back	0mm	Argon	DSI 0	462000	2310	23.94	25.00	1.276	-0.1	0.140	0.179
	FR1 n30_Ant 1	10M	BPSK	25	14	Back	0mm	Argon	DSI 0	462000	2310	23.77	25.00	1.327	0.06	0.129	0.171
	FR1 n30_Ant 1	10M	BPSK	1	1	Back	0mm	Xenon	DSI 0	462000	2310	23.94	25.00	1.276	-0.08	0.132	0.168
124	FR1 n66_Ant 1	30M	BPSK	1	1	Back	0mm	Argon	DSI 0	349000	1745	24.28	25.00	1.180	-0.04	0.256	0.302
	FR1 n66_Ant 1	30M	BPSK	80	40	Back	0mm	Argon	DSI 0	349000	1745	24.22	25.00	1.197	0.06	0.239	0.286
	FR1 n66_Ant 1	30M	BPSK	1	1	Back	0mm	Xenon	DSI 0	349000	1745	24.28	25.00	1.180	-0.17	0.248	0.293
125	FR1 n41_Ant 1	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	518598	2592.99	24.63	25.00	1.089	-0.14	0.443	0.482
	FR1 n41_Ant 1	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	518598	2592.99	24.41	25.00	1.146	0.05	0.415	0.475
	FR1 n41_Ant 1	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	518598	2592.99	24.63	25.00	1.089	-0.08	0.425	0.463
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	0mm	Argon	DSI 0	641666	3624.99	22.23	22.50	1.064	0.01	0.214	0.228
	FR1 n48_Ant 7	40M	BPSK	1	105	Back	0mm	Argon	DSI 0	641666	3624.99	18.23	19.00	1.194	0.19	0.198	0.236
	FR1 n48_Ant 7	20M	BPSK	1	49	Back	0mm	Argon	DSI 0	641666	3624.99	22.15	22.50	1.084	0.16	0.202	0.219
	FR1 n48_Ant 7	40M	BPSK	50	25	Back	0mm	Xenon	DSI 0	641666	3624.99	22.23	22.50	1.064	-0.15	0.205	0.218
126	FR1 n48_Ant 4	40M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	21.84	23.50	1.466	0.04	0.196	0.287
	FR1 n48_Ant 4	40M	BPSK	50	28	Back	0mm	Argon	DSI 0	641666	3624.99	21.73	23.50	1.503	-0.09	0.187	0.281
	FR1 n48_Ant 4	40M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	21.84	23.50	1.466	-0.15	0.189	0.277
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	22.94	23.50	1.138	-0.07	0.085	0.097
	FR1 n48_Ant 5	40M	BPSK	50	0	Back	0mm	Argon	DSI 0	641666	3624.99	22.91	23.00	1.021	0.07	0.081	0.083
	FR1 n48_Ant 5	40M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	22.94	23.50	1.138	0.03	0.076	0.086
	FR1 n48_Ant 6+7(6)	40M	QPSK	1	105	Back	0mm	Argon	DSI 0	641666	3624.99	16.65	18.00	1.365	0.07	0.161	0.220
	FR1 n48_Ant 6+7(7)	40M	QPSK	1	105	Back	0mm	Argon	DSI 0	641666	3624.99	16.04	18.00	1.570	0.07	0.149	0.234
	FR1 n48_Ant 6+7(6)	40M	QPSK	50	25	Back	0mm	Argon	DSI 0	641666	3624.99	19.17	20.50	1.358	-0.04	0.165	0.224
	FR1 n48_Ant 6+7(7)	40M	QPSK	50	25	Back	0mm	Argon	DSI 0	641666	3624.99	18.58	20.50	1.556	-0.04	0.166	0.258
	FR1 n48_Ant 6+7(6)	40M	QPSK	50	25	Back	0mm	Xenon	DSI 0	641666	3624.99	19.17	20.50	1.358	-0.05	0.151	0.205
	FR1 n48_Ant 6+7(7)	40M	QPSK	50	25	Back	0mm	Xenon	DSI 0	641666	3624.99	18.58	20.50	1.556	-0.05	0.152	0.237
127	FR1 n77_Ant 7	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	23.60	24.00	1.096	0	0.287	0.315
	FR1 n77_Ant 7	100M	BPSK	135	138	Back	0mm	Argon	DSI 0	656000	3840	23.44	24.00	1.138	0.09	0.271	0.308
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	25.31	27.00	1.476	0.01	0.201	0.297
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	656000	3840	23.60	24.00	1.096	-0.15	0.267	0.293
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	22.94	24.00	1.276	-0.04	0.213	0.272
	FR1 n77_Ant 7	100M	BPSK	135	0	Back	0mm	Argon	DSI 0	633332	3499.98	22.82	24.00	1.312	0.06	0.198	0.260
	FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	25.36	27.00	1.459	0.18	0.175	0.255
	FR1 n77_Ant 7	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	633332	3499.98	22.94	24.00	1.276	-0.1	0.203	0.259



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FR1 n77_Ant 7	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	23.46	24.00	1.132	0.07	0.198	0.224
FR1 n77_Ant 7	100M	BPSK	135	138	Back	0mm	Argon	DSI 0	641666	3624.99	23.01	24.00	1.256	0.09	0.171	0.215
FR1 n77_HPUE_Ant 7	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	25.69	27.00	1.352	0.05	0.154	0.208
FR1 n77_Ant 7	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	23.46	24.00	1.132	-0.1	0.169	0.191
FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	22.75	23.90	1.303	-0.02	0.137	0.179
FR1 n77_Ant 4	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	656000	3840	22.58	23.90	1.355	-0.06	0.119	0.161
FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	25.22	26.90	1.472	0.12	0.114	0.168
FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	656000	3840	22.75	23.90	1.303	0.03	0.127	0.166
FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	23.39	23.90	1.125	-0.05	0.092	0.103
FR1 n77_Ant 4	100M	BPSK	135	0	Back	0mm	Argon	DSI 0	633332	3499.98	23.32	23.40	1.019	0.09	0.086	0.088
FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	25.69	26.90	1.321	-0.08	0.065	0.086
FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	633332	3499.98	23.39	23.90	1.125	0.13	0.082	0.092
FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	23.50	23.90	1.096	-0.06	0.134	0.147
FR1 n77_Ant 4	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	641666	3624.99	22.82	23.90	1.282	0.17	0.110	0.141
FR1 n77_HPUE_Ant 4	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	25.10	26.90	1.514	0.06	0.082	0.124
FR1 n77_Ant 4	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	23.50	23.90	1.096	-0.09	0.123	0.135
FR1 n77_Ant 5	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	23.10	23.90	1.202	0.01	0.089	0.107
FR1 n77_Ant 5	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	656000	3840	22.90	23.90	1.259	-0.01	0.079	0.099
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	25.67	26.90	1.327	0.04	0.057	0.076
FR1 n77_Ant 5	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	656000	3840	23.10	23.90	1.202	-0.01	0.080	0.096
FR1 n77_Ant 5	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	23.61	23.90	1.069	-0.01	0.174	0.186
FR1 n77_Ant 5	100M	BPSK	135	0	Back	0mm	Argon	DSI 0	633332	3499.98	23.21	23.40	1.045	-0.16	0.164	0.171
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	25.81	26.90	1.285	0.01	0.131	0.168
FR1 n77_Ant 5	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	633332	3499.98	23.61	23.90	1.069	0.1	0.163	0.174
FR1 n77_Ant 5	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	22.61	23.90	1.346	-0.02	0.098	0.132
FR1 n77_Ant 5	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	641666	3624.99	22.08	23.90	1.521	0.09	0.086	0.131
FR1 n77_HPUE_Ant 5	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	25.28	26.90	1.452	0.14	0.055	0.080
FR1 n77_Ant 5	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	22.61	23.90	1.346	-0.17	0.091	0.122
FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	20.46	21.0	1.132	0.03	0.120	0.136
FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	20.90	21.0	1.023	0.03	0.195	0.200
FR1 n77_Ant 6+7(6)	100M	BPSK	135	138	Back	0mm	Argon	DSI 0	656000	3840	19.84	21.0	1.306	-0.05	0.098	0.128
FR1 n77_Ant 6+7(7)	100M	BPSK	135	138	Back	0mm	Argon	DSI 0	656000	3840	19.97	21.0	1.268	-0.05	0.153	0.194
FR1 n77_HPUE_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	23.96	24.0	1.009	0.14	0.078	0.079
FR1 n77_HPUE_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	656000	3840	23.03	24.0	1.250	0.14	0.158	0.198
FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	656000	3840	20.46	21.0	1.132	-0.05	0.086	0.097
FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	656000	3840	20.90	21.0	1.023	-0.05	0.170	0.174
FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	20.45	21.0	1.135	-0.02	0.128	0.145
FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	20.25	21.0	1.189	-0.02	0.131	0.156
FR1 n77_Ant 6+7(6)	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	633332	3499.98	20.11	21.0	1.227	0.16	0.115	0.141
FR1 n77_Ant 6+7(7)	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	633332	3499.98	19.73	21.0	1.340	0.16	0.106	0.142
FR1 n77_HPUE_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	23.55	24.0	1.109	0.12	0.091	0.101
FR1 n77_HPUE_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	633332	3499.98	22.67	24.0	1.358	0.12	0.101	0.137
FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	633332	3499.98	20.45	21.0	1.135	-0.17	0.098	0.111
FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	633332	3499.98	20.25	21.0	1.189	-0.17	0.117	0.139
FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	20.84	21.0	1.038	-0.03	0.138	0.143
FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	19.71	21.0	1.346	-0.03	0.165	0.222
FR1 n77_Ant 6+7(6)	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	641666	3624.99	20.77	21.0	1.054	0.03	0.125	0.132
FR1 n77_Ant 6+7(7)	100M	BPSK	135	69	Back	0mm	Argon	DSI 0	641666	3624.99	19.51	21.0	1.409	0.03	0.149	0.210
FR1 n77_HPUE_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	23.90	24.0	1.023	0.08	0.086	0.088
FR1 n77_HPUE_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Argon	DSI 0	641666	3624.99	22.80	24.0	1.318	0.08	0.153	0.202
FR1 n77_Ant 6+7(6)	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	20.84	21.0	1.038	0.03	0.106	0.110
FR1 n77_Ant 6+7(7)	100M	BPSK	1	1	Back	0mm	Xenon	DSI 0	641666	3624.99	19.71	21.0	1.346	0.03	0.139	0.187



<WLAN SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 9	Argon	6	2437	18.06	18.20	1.033	98.48	1.015	-0.09	0.194	0.203
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 9	Xenon	6	2437	18.06	18.20	1.033	98.48	1.015	0.19	0.123	0.129
128	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(8)	Argon	6	2437	18.19	18.20	1.002	98.48	1.015	-0.01	0.351	0.357
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(9)	Argon	6	2437	17.80	18.20	1.096	98.48	1.015	-0.01	0.390	0.434
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(8)	Argon	1	2412	18.19	18.20	1.002	98.48	1.015	0.05	0.321	0.327
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(9)	Argon	1	2412	17.28	18.20	1.236	98.48	1.015	0.05	0.341	0.428
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(8)	Argon	11	2462	18.11	18.20	1.021	98.48	1.015	0.04	0.289	0.299
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(9)	Argon	11	2462	17.55	18.20	1.161	98.48	1.015	0.04	0.277	0.326
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(8)	Xenon	6	2437	18.19	18.20	1.002	98.48	1.015	0.11	0.330	0.336
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8+9(9)	Xenon	6	2437	17.80	18.20	1.096	98.48	1.015	0.11	0.366	0.407
129	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	56	5280	15.94	16.70	1.191	99.25	1.008	-0.08	0.167	0.201
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	56	5280	16.68	16.70	1.005	99.25	1.008	-0.08	0.151	0.153
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Xenon	56	5280	15.94	16.70	1.191	99.25	1.008	-0.18	0.143	0.172
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Xenon	56	5280	16.68	16.70	1.005	99.25	1.008	-0.18	0.129	0.131
130	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	144	5720	16.34	16.70	1.086	99.25	1.008	-0.14	0.254	0.278
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	144	5720	16.51	16.70	1.045	99.25	1.008	-0.14	0.210	0.221
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Xenon	144	5720	16.34	16.70	1.086	99.25	1.008	-0.08	0.238	0.261
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Xenon	144	5720	16.51	16.70	1.045	99.25	1.008	-0.08	0.196	0.206
131	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	157	5785	16.61	16.70	1.021	99.24	1.008	-0.1	0.245	0.252
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	157	5785	16.55	16.70	1.035	99.24	1.008	-0.1	0.254	0.265
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Xenon	157	5785	16.61	16.70	1.021	99.24	1.008	-0.17	0.221	0.227
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Xenon	157	5785	16.55	16.70	1.035	99.24	1.008	-0.17	0.229	0.239
132	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	-0.09	0.387	0.391
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Argon	173	5865	16.70	16.70	1.000	99.38	1.006	-0.09	0.293	0.295
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(8)	Xenon	173	5865	16.68	16.70	1.005	99.38	1.006	0.19	0.360	0.364
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 8+9(9)	Xenon	173	5865	16.70	16.70	1.000	99.38	1.006	0.19	0.273	0.275

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Measured APD (W/m ²)	Reported APD (W/m ²)
133	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	15	6025	10.13	10.20	1.016	98.79	1.012	-0.16	0.088	0.091	1.000	1.028
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	15	6025	10.17	10.20	1.007	98.79	1.012	-0.16	0.028	0.029	0.629	0.641
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	47	6185	9.82	10.20	1.091	98.79	1.012	-0.14	0.042	0.046	0.477	0.527
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	47	6185	9.94	10.20	1.062	98.79	1.012	-0.14	0.013	0.014	0.292	0.314
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	111	6505	9.78	10.20	1.102	98.79	1.012	0.14	0.041	0.046	0.466	0.519
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	111	6505	10.02	10.20	1.042	98.79	1.012	0.14	0.013	0.014	0.292	0.308
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	143	6665	9.90	10.20	1.072	98.79	1.012	-0.12	0.030	0.033	0.341	0.370
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	143	6665	9.98	10.20	1.052	98.79	1.012	-0.12	0.009	0.010	0.202	0.215
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Agron	207	6985	9.76	10.20	1.107	98.79	1.012	-0.05	0.037	0.041	0.420	0.470
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Agron	207	6985	9.96	10.20	1.057	98.79	1.012	-0.05	0.012	0.013	0.270	0.289
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(8)	Xenon	15	6025	10.13	10.20	1.016	98.79	1.012	-0.09	0.041	0.042	0.466	0.479
	WLAN6GHz	802.11ax-HE160 MCS0	Back	0mm	Ant 8+9(9)	Xenon	15	6025	10.17	10.20	1.007	98.79	1.012	-0.09	0.020	0.020	0.315	0.321

<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
134	Bluetooth	1Mbps	Back	0mm	Ant 8	Argon	39	2441	7.01	8.00	1.256	76.96	1.082	0.08	0.015	0.020
	Bluetooth	1Mbps	Back	0mm	Ant 8	Xenon	39	2441	7.01	8.00	1.256	76.96	1.082	0.16	0.013	0.018

16.6 6GHz PD Test Result

Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Grid Step (λ)	iPDn	iPD ratio (≥ -1)	Normal psPD (W/m ²)	Total psPD (W/m ²)
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 8+9(8)	Agron	15	6025	10.13	0.0625	2.26	2.71323068	0.898	1.02
WLAN6GHz	802.11ax-HE160 MCS0	Front	10mm	Ant 8+9(8)	Agron	15	6025	10.13	0.25	1.21	8	0.41	0.437
WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 8+9(8)	Agron	207	6985	9.56	0.0625	2.51	-0.11945984	0.966	0.989
WLAN6GHz	802.11ax-HE160 MCS0	Front	8.59mm	Ant 8+9(8)	Agron	207	6985	9.56	0.25	2.58		0.693	0.711

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Grid Step (λ)	Scaling Factor for Measurement Uncertainty	Power Drift (dB)	Normal psPD (W/m ²)	Scaled Normal psPD (W/m ²)	Total psPD (W/m ²)	Scaled Total psPD (W/m ²)
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 8+9(8)	Agron	15	6025	10.13	10.20	1.016	98.79	1.012	0.0625	1.5535	-0.1	0.898	1.43	1.02	1.63
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 8+9(8)	Agron	15	6025	10.13	10.20	1.016	98.79	1.012	0.0625	1.5535	0.03	1.37	2.19	1.55	2.48
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 8+9(8)	Agron	15	6025	10.13	10.20	1.016	98.79	1.012	0.0625	1.5535	-0.09	3.43	5.48	3.69	5.90
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 8+9(8)	Agron	47	6185	9.82	10.20	1.091	98.79	1.012	0.0625	1.5535	0.1	3.05	5.23	3.29	5.65
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 8+9(8)	Agron	111	6505	9.58	10.00	1.102	98.79	1.012	0.0625	1.5535	0.12	2.81	4.87	3.03	5.25
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 8+9(8)	Agron	143	6665	9.90	10.20	1.072	98.79	1.012	0.0625	1.5535	0.08	2.78	4.68	2.99	5.04
01	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 8+9(8)	Agron	207	6985	9.56	10.00	1.107	98.79	1.012	0.0625	1.5535	-0.06	4.12	7.17	4.41	7.67
	WLAN6GHz	802.11ax-HE160 MCS0	Top Side	2mm	Ant 8+9(8)	Agron	15	6025	10.13	10.20	1.016	98.79	1.012	0.0625	1.5535	-0.17	0.971	1.55	1.77	2.83
	WLAN6GHz	802.11ax-HE160 MCS0	Front	2mm	Ant 8+9(9)	Agron	15	6025	10.17	10.20	1.007	98.79	1.012	0.0625	1.5535	0.05	0.311	0.49	0.293	0.46
	WLAN6GHz	802.11ax-HE160 MCS0	Back	2mm	Ant 8+9(9)	Agron	15	6025	10.17	10.20	1.007	98.79	1.012	0.0625	1.5535	0.01	0.45	0.71	0.68	1.08
	WLAN6GHz	802.11ax-HE160 MCS0	Left Side	2mm	Ant 8+9(9)	Agron	15	6025	10.17	10.20	1.007	98.79	1.012	0.0625	1.5535	-0.09	1.07	1.69	1.21	1.92
	WLAN6GHz	802.11ax-HE160 MCS0	Right Side	2mm	Ant 8+9(8)	Xenon	207	6985	9.93	10.00	1.016	98.79	1.012	0.0625	1.5535	-0.03	3.17	5.06	3.41	5.45

16.7 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	10mm	Argon	DSI 0	661	1880	29.59	30.00	-0.03	0.858	-	0.943
2nd	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	10mm	Argon	DSI 0	661	1880	29.59	30.00	0.06	0.841	1.02	0.924
1st	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	Argon	DSI 0	4233	846.6	24.53	25.00	-0.01	0.985	-	1.098
2nd	WCDMA V_Ant 0	RMC 12.2Kbps	Back	10mm	Argon	DSI 0	4233	846.6	24.53	25.00	0.06	0.956	1.03	1.065

No.	Band	Mode	Test Position	Gap (mm)	Antenna	Scanner	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	-0.13	0.915	-	0.925
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 8+9(9)	Argon	173	5865	16.70	16.70	1.000	99.38	1.006	-0.13	0.235		0.236
2nd	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 8+9(8)	Argon	173	5865	16.68	16.70	1.005	99.38	1.006	0.06	0.890	1.09	0.899
	WLAN5GHz	802.11a 6Mbps	Left Cheek	0mm	Ant 8+9(9)	Argon	173	5865	16.70	16.70	1.000	99.38	1.006	0.06	0.216		0.217

No.	Band	Mode	Test Position	Gap (mm)	Scanner	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	Argon	DSI 0	189	836.4	29.91	31.50	-0.04	2.050	-	2.956
2nd	GSM850_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	Argon	DSI 0	189	836.4	29.91	31.50	0.06	1.980	1.04	2.855
1st	WCDMA II_Ant 1	RMC 12.2Kbps	Bottom Side	0mm	Argon	DSI 0	9262	1852.4	24.47	25.00	0	2.540	-	2.870
2nd	WCDMA II_Ant 1	RMC 12.2Kbps	Bottom Side	0mm	Argon	DSI 0	9262	1852.4	24.47	25.00	0.06	2.450	1.04	2.768
1st	WCDMA IV_Ant 1	RMC 12.2Kbps	Bottom Side	0mm	Argon	DSI 0	1513	1752.6	24.43	25.00	0	2.590	-	2.953
2nd	WCDMA IV_Ant 1	RMC 12.2Kbps	Bottom Side	0mm	Argon	DSI 0	1513	1752.6	24.43	25.00	0.04	2.520	1.03	2.873

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
3. Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
4. The ratio is the difference in percentage between original and repeated *measured* SAR.
5. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



16.8 Power Class 2 and Power Class 3 Linearity

General Note:

This device support Power Class 2 and Power Class 3 operations. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE and FR1 configuration and exposure condition combination, according to the highest time averaged power for Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required. Use PC3 power level and SAR to estimated PC2 SAR linearly, and check if the deviation from the measured PC2 SAR is <10%

<Head condition>

	FR1 n77_Ant 7 (Power Class 3)	FR1 n77_Ant 7 (Power Class 2)
Maximum Tune up Power (dBm)	24	27
Reported 1g SAR (W/kg)	0.325	0.308
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR(W/kg)	0.32	
% deviation from expected linearity		-5.01%

	FR1 n77_Ant 4 (Power Class 3)	FR1 n77_Ant 4 (Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 1g SAR (W/kg)	0.485	0.473
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.48	
% deviation from expected linearity		-2.24%

	FR1 n77_Ant 5 (Power Class 3)	FR1 n77_Ant 5 (Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 1g SAR (W/kg)	0.375	0.357
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.37	
% deviation from expected linearity		-4.57%

	FR1 n77_Ant 6+7 (Power Class 3)	FR1 n77_Ant 6+7 (Power Class 2)
Maximum Tune up Power (dBm)	21	24
Reported 1g SAR (W/kg)	0.075	0.069
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59
Linearity SAR(W/kg)	0.07	
% deviation from expected linearity		-7.78%



<Hotspot condition>

	FR1 n77_Ant 7 (Power Class 3)	FR1 n77_Ant 7 (Power Class 2)
Maximum Tune up Power (dBm)	24	27
Reported 1g SAR (W/kg)	0.611	0.576
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR(W/kg)	0.61	
% deviation from expected linearity		-5.50%

	FR1 n77_Ant 4 (Power Class 3)	FR1 n77_Ant 4 (Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 1g SAR (W/kg)	0.523	0.511
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.52	
% deviation from expected linearity		-2.06%

	FR1 n77_Ant 5 (Power Class 3)	FR1 n77_Ant 5 (Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 1g SAR (W/kg)	0.647	0.598
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.65	
% deviation from expected linearity		-7.35%

	FR1 n77_Ant 6+7 (Power Class 3)	FR1 n77_Ant 6+7 (Power Class 2)
Maximum Tune up Power (dBm)	21	24
Reported 1g SAR (W/kg)	0.682	0.639
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59
Linearity SAR(W/kg)	0.68	
% deviation from expected linearity		-6.08%

<Body-worn condition>

	FR1 n77_Ant 7	FR1 n77_Ant 7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	24	27
Reported 1g SAR (W/kg)	0.354	0.344
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR(W/kg)	0.35	
% deviation from expected linearity		-2.59%

	FR1 n77_Ant 4	FR1 n77_Ant 4
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 1g SAR (W/kg)	0.285	0.279
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.28	
% deviation from expected linearity		-1.87%

	FR1 n77_Ant 5	FR1 n77_Ant 5
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 1g SAR (W/kg)	0.304	0.295
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.30	
% deviation from expected linearity		-2.73%

	FR1 n77_Ant 6+7	FR1 n77_Ant 6+7
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	21	24
Reported 1g SAR (W/kg)	0.39	0.355
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59
Linearity SAR(W/kg)	0.39	
% deviation from expected linearity		-8.76%



<Hand exposure condition with Pistol exposure condition>

	FR1 n77_Ant 7 (Power Class 3)	FR1 n77_Ant 7 (Power Class 2)
Maximum Tune up Power (dBm)	24	27
Reported 10g SAR (W/kg)	0.315	0.297
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	251.19	250.59
Linearity SAR(W/kg)	0.31	
% deviation from expected linearity		-5.49%

	FR1 n77_Ant 4 (Power Class 3)	FR1 n77_Ant 4 (Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 10g SAR (W/kg)	0.179	0.168
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.18	
% deviation from expected linearity		-5.92%

	FR1 n77_Ant 5 (Power Class 3)	FR1 n77_Ant 5 (Power Class 2)
Maximum Tune up Power (dBm)	23.9	26.9
Reported 10g SAR (W/kg)	0.186	0.168
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	245.47	244.89
Linearity SAR(W/kg)	0.19	
% deviation from expected linearity		-9.46%

	FR1 n77_Ant 6+7 (Power Class 3)	FR1 n77_Ant 6+7 (Power Class 2)
Maximum Tune up Power (dBm)	21	24
Reported 10g SAR (W/kg)	0.222	0.202
Duty Cycle	100.00%	50.00%
Frame Averaged (mW)	125.89	125.59
Linearity SAR(W/kg)	0.22	
% deviation from expected linearity		-8.79%

17. Simultaneous Transmission Analysis

NO.	Simultaneous Transmission Configurations	Head	Body-worn	Hotspot	Product Specific	Hand exposure condition with Pistol
1.	WWAN + WLAN2.4GHz Ant 8+9	Yes	Yes	Yes		
2.	WWAN + WLAN5/6GHz Ant 8+9 + Bluetooth Ant 8	Yes	Yes			
3.	WWAN + WLAN2.4GHz Ant 9 + Bluetooth Ant 8	Yes	Yes			
4.	WWAN + WLAN2.4GHz Ant 9			Yes		
5.	WWAN + WLAN5/6GHz Ant 8+9 + Bluetooth Ant 8 + NFC				Yes	Yes
6.	WWAN + WLAN2.4GHz Ant 8+9 + NFC					Yes
7.	WWAN + WLAN2.4GHz Ant 9 + Bluetooth Ant 8 + NFC					Yes

General Note:

1. This device WLAN 2.4GHz supports Hotspot operation.
2. The worst case WLAN reported SAR for each configuration was used for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
3. WLAN RF exposure assessment of MIMO mode simultaneous transmission exclusion analysis was performed with SAR test results of each antenna in SISO mode. Therefore SPLSR calculation was choose worst case with SAR test results of each antenna in SISO mode perform evaluation.
4. The Scaled SAR summation is calculated based on the same configuration and test position.
5. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation < 1.6W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.



17.1 Head Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	5	1+3	1+4+5	1+2+5
			WWAN	WLAN2.4GHz Ant 9	WLAN2.4GHz Ant 8+9	WLAN5/6GHz Ant 8+9	Bluetooth Ant 8	Summed	Summed	Summed
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
CDMA	MAX SAR_Ant 0	Right Cheek	0.494	0.190	0.277	0.506	0.015	0.771	1.015	0.699
		Right Tilted	0.305	0.104	0.194	0.241	0.001	0.499	0.547	0.410
		Left Cheek	0.482	0.359	0.377	0.925	0.001	0.859	1.408	0.842
		Left Tilted	0.263	0.091	0.166	0.761	0.001	0.429	1.025	0.355
LTE	MAX SAR_Ant 1	Right Cheek	0.266	0.190	0.277	0.506	0.015	0.543	0.787	0.471
		Right Tilted	0.123	0.104	0.194	0.241	0.001	0.317	0.365	0.228
		Left Cheek	0.410	0.359	0.377	0.925	0.001	0.787	1.336	0.770
		Left Tilted	0.157	0.091	0.166	0.761	0.001	0.323	0.919	0.249
	MAX SAR_Ant 7	Right Cheek	0.325	0.190	0.277	0.506	0.015	0.602	0.846	0.530
		Right Tilted	0.094	0.104	0.194	0.241	0.001	0.288	0.336	0.199
		Left Cheek	0.246	0.359	0.377	0.925	0.001	0.623	1.172	0.606
		Left Tilted	0.150	0.091	0.166	0.761	0.001	0.316	0.912	0.242
	MAX SAR_Ant 4	Right Cheek	0.156	0.190	0.277	0.506	0.015	0.433	0.677	0.361
		Right Tilted	0.095	0.104	0.194	0.241	0.001	0.289	0.337	0.200
		Left Cheek	0.485	0.359	0.377	0.925	0.001	0.862	1.411	0.845
		Left Tilted	0.084	0.091	0.166	0.761	0.001	0.250	0.846	0.176
	MAX SAR_Ant 5	Right Cheek	0.375	0.190	0.277	0.506	0.015	0.652	0.896	0.580
		Right Tilted	0.103	0.104	0.194	0.241	0.001	0.297	0.345	0.208
		Left Cheek	0.150	0.359	0.377	0.925	0.001	0.527	1.076	0.510
		Left Tilted	0.107	0.091	0.166	0.761	0.001	0.273	0.869	0.199
	MAX SAR_Ant 6+7	Right Cheek	0.177	0.190	0.277	0.506	0.015	0.454	0.698	0.382
		Right Tilted	0.039	0.104	0.194	0.241	0.001	0.233	0.281	0.144
		Left Cheek	0.116	0.359	0.377	0.925	0.001	0.493	1.042	0.476
		Left Tilted	0.029	0.091	0.166	0.761	0.001	0.195	0.791	0.121



17.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	1+3 Summed 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 9 1g SAR (W/kg)	WLAN2.4GHz Ant 8+9 1g SAR (W/kg)		
MAX SAR_Ant 0	Front	0.267	0.043	0.146	0.413	0.310
	Back	1.098	0.082	0.200	1.298	1.180
	Left side	0.748	0.120	0.129	0.877	0.868
	Right side	0.757		0.199	0.956	0.757
	Top side			0.145	0.145	0.000
	Bottom side	0.387			0.387	0.387
MAX SAR_Ant 1	Front	0.476	0.043	0.146	0.622	0.519
	Back	0.946	0.082	0.200	1.146	1.028
	Left side	0.481	0.120	0.129	0.610	0.601
	Right side	0.345		0.199	0.544	0.345
	Top side			0.145	0.145	0.000
	Bottom side	0.535			0.535	0.535
MAX SAR_Ant 7	Front	0.334	0.043	0.146	0.480	0.377
	Back	0.611	0.082	0.200	0.811	0.693
	Left side	0.277	0.120	0.129	0.406	0.397
	Right side	0.247		0.199	0.446	0.247
	Top side			0.145	0.145	0.000
	Bottom side	0.268			0.268	0.268
MAX SAR_Ant 4	Front	0.201	0.043	0.146	0.347	0.244
	Back	0.525	0.082	0.200	0.725	0.607
	Left side	0.469	0.120	0.129	0.598	0.589
	Right side	0.352		0.199	0.551	0.352
	Top side			0.145	0.145	0.000
	Bottom side	0.126			0.126	0.126
MAX SAR_Ant 5	Front	0.222	0.043	0.146	0.368	0.265
	Back	0.327	0.082	0.200	0.527	0.409
	Left side	0.153	0.120	0.129	0.282	0.273
	Right side	0.647		0.199	0.846	0.647
	Top side			0.145	0.145	0.000
	Bottom side	0.120			0.120	0.120
MAX SAR_Ant 6+7	Front	0.466	0.043	0.146	0.612	0.509
	Back	0.682	0.082	0.200	0.882	0.764
	Left side	0.394	0.120	0.129	0.523	0.514
	Right side	0.323		0.199	0.522	0.323
	Top side			0.145	0.145	0.000
	Bottom side	0.374			0.374	0.374



17.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	1+3 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 9 1g SAR (W/kg)	WLAN2.4GHz Ant 8+9 1g SAR (W/kg)	WLAN5/6GHz Ant 8+9 1g SAR (W/kg)	Bluetooth Ant 8 1g SAR (W/kg)			
MAX SAR_Ant 0	Front	0.333	0.027	0.104	0.197	0.001	0.437	0.531	0.361
	Back	0.690	0.047	0.141	0.581	0.005	0.831	1.276	0.742
MAX SAR_Ant 1	Front	0.341	0.027	0.104	0.197	0.001	0.445	0.539	0.369
	Back	0.604	0.047	0.141	0.581	0.005	0.745	1.190	0.656
MAX SAR_Ant 7	Front	0.170	0.027	0.104	0.197	0.001	0.274	0.368	0.198
	Back	0.354	0.047	0.141	0.581	0.005	0.495	0.940	0.406
MAX SAR_Ant 4	Front	0.108	0.027	0.104	0.197	0.001	0.212	0.306	0.136
	Back	0.340	0.047	0.141	0.581	0.005	0.481	0.926	0.392
MAX SAR_Ant 5	Front	0.269	0.027	0.104	0.197	0.001	0.373	0.467	0.297
	Back	0.304	0.047	0.141	0.581	0.005	0.445	0.890	0.356
MAX SAR_Ant 6+7	Front	0.326	0.027	0.104	0.197	0.001	0.430	0.524	0.354
	Back	0.390	0.047	0.141	0.581	0.005	0.531	0.976	0.442

17.4 Hand exposure condition with Pistol Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	1+3+6 Summed 10g SAR (W/kg)	1+4+5+6 Summed 10g SAR (W/kg)	1+2+5+6 Summed 10g SAR (W/kg)
		WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 9 10g SAR (W/kg)	WLAN2.4GHz Ant 8+9 10g SAR (W/kg)	WLAN5/6GHz Ant 8+9 10g SAR (W/kg)	Bluetooth Ant 8 10g SAR (W/kg)	NFC 10g SAR (W/kg)			
Max SAR_Ant 0	Back	0.581	0.203	0.434	0.391	0.020	0.073	1.088	1.065	0.877
Max SAR_Ant 1	Back	0.498	0.203	0.434	0.391	0.020	0.073	1.005	0.982	0.794
Max SAR_Ant 7	Back	0.315	0.203	0.434	0.391	0.020	0.073	0.822	0.799	0.611
Max SAR_Ant 4	Back	0.287	0.203	0.434	0.391	0.020	0.073	0.794	0.771	0.583
Max SAR_Ant 5	Back	0.186	0.203	0.434	0.391	0.020	0.073	0.693	0.670	0.482
Max SAR_Ant 6+7	Back	0.222	0.203	0.434	0.391	0.020	0.073	0.729	0.706	0.518

17.5 Product Specific Exposure Conditions

Exposure Position	1	4	5	6	1+4+5+6 Summed 10g SAR (W/kg)
	WWAN 10g SAR (W/kg)	WLAN5/6GHz Ant 8+9 10g SAR (W/kg)	Bluetooth Ant 8 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
Front		0.406	0.001	0.001	0.002
Back	2.939	1.152	0.001	0.073	3.013
Left side		0.915		0.001	0.001
Right side		1.941	0.020	0.001	0.021
Top side		0.305	0.001	0.001	0.002

Test Engineer : Lu Chen, Kevin Guo and Andy Chiang

18. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded is presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

The component of uncertainty may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture’s specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty Distributions	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor ^(a)	1/k ^(b)	1/√3	1/√6	1/√2

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

Standard Uncertainty for Assumed Distribution

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual “root-sum-squares” (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.



Applicable for SAR Measurements:

Uncertainty Budget (4 MHz - 10 GHz range)							
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	18.60	N	2	1	1	9.3	9.3
Axial Isotropy	4.70	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.60	R	1.732	0.7	0.7	3.9	3.9
Linearity	4.70	R	1.732	1	1	2.7	2.7
Modulation Response	4.68	R	1.732	1	1	2.7	2.7
System Detection Limits	1.00	R	1.732	1	1	0.6	0.6
Boundary Effects	2.00	R	1.732	1	1	1.2	1.2
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.00	R	1.732	1	1	0.0	0.0
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.00	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.00	R	1.732	1	1	1.7	1.7
Probe Positioner	0.40	R	1.732	1	1	0.2	0.2
Probe Positioning	6.70	R	1.732	1	1	3.9	3.9
Post-processing	4.00	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Holder	3.60	N	1	1	1	3.6	3.6
Test sample Positioning	3.03	N	1	1	1	3.0	3.0
Power Scaling	0.00	R	1.732	1	1	0.0	0.0
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup							
Phantom Uncertainty	7.60	R	1.732	1	1	4.4	4.4
SAR correction	0.00	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.03	N	1	0.78	0.77	0.0	0.0
Liquid Conductivity (target)	5.00	R	1.732	0.78	0.77	2.3	2.2
Liquid Conductivity (mea.)	2.50	R	1.732	0.78	0.77	1.1	1.1
Temp. unc. - Conductivity	3.68	R	1.732	0.78	0.77	1.7	1.6
Liquid Permittivity Repeatability	0.02	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.00	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.50	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.84	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						14.5%	14.2%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						29.0%	28.4%



Applicable for Power Density Measurements:

Error Description	Uncertainty Value (±dB)	Probability	Divisor	(Ci)	Standard Uncertainty (±dB)
Probe Calibration	0.49	N	1	1	0.49
Probe correction	0.00	R	1.732	1	0.00
Frequency response (BW ≤ 1 GHz)	0.20	R	1.732	1	0.12
Sensor cross coupling	0.00	R	1.732	1	0.00
Isotropy	0.50	R	1.732	1	0.29
Linearity	0.20	R	1.732	1	0.12
Probe scattering	0.00	R	1.732	1	0.00
Probe positioning offset	0.30	R	1.732	1	0.17
Probe positioning repeatability	0.04	R	1.732	1	0.02
Sensor mechanical offset	0.00	R	1.732	1	0.00
Probe spatial resolution	0.00	R	1.732	1	0.00
Field impedance dependance	0.00	R	1.732	1	0.00
Amplitude and phase drift	0.00	R	1.732	1	0.00
Amplitude and phase noise	0.04	R	1.732	1	0.02
Measurement area truncation	0.00	R	1.732	1	0.00
Data acquisition	0.03	N	1	1	0.03
Sampling	0.00	R	1.732	1	0.00
Field reconstruction	2.00	R	1.732	1	1.15
Forward transformation	0.00	R	1.732	1	0.00
Power density scaling	0.00	R	1.732	1	0.00
Spatial averaging	0.10	R	1.732	1	0.06
System detection limit	0.04	R	1.732	1	0.02
Uncertainty terms dep endent on the DUT and environmental factors					
Probe coupling with DUT	0.00	R	1.732	1	0.0
Modulation response	0.40	R	1.732	1	0.2
Integration time	0.00	R	1.732	1	0.0
Response time	0.00	R	1.732	1	0.0
Device holder influence	0.10	R	1.732	1	0.1
DUT alignment	0.00	R	1.732	1	0.0
RF ambient conditions	0.04	R	1.732	1	0.0
Ambient reflections	0.04	R	1.732	1	0.0
Immunity / secondary reception	0.00	R	1.732	1	0.0
Drift of the DUT		R	1.732	1	
Combined Std. Uncertainty					1.34
Expanded STD Uncertainty (95%)					2.68



19. References

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