

Head SAR Test																					
System & Position							DUT & Accessory			Power				SAR		Auto-tune is turned on		Auto-tune turned off		Auto-tune is turned back on	
Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)		
LTE Band 71	20M	QPSK	1	0		Left Cheek	0mm	Ant 0	ECI 2	133297	680.5	0.110	0.121	347	0.150	97	0.094	347	0.145		
LTE Band 12	10M	QPSK	1	0		Left Cheek	0mm	Ant 0	ECI 2	23095	707.5	0.145	0.179	346	0.173	118	0.123	346	0.159		
LTE Band 13	10M	QPSK	1	0		Left Cheek	0mm	Ant 0	ECI 2	23230	782	0.145	0.184	99	0.167	60	0.124	99	0.153		
LTE Band 14	10M	QPSK	1	0		Left Cheek	0mm	Ant 0	ECI 2	23330	793	0.182	0.243	392	0.223	98	0.155	392	0.218		
FR1 n71	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	136100	680.5	0.061	0.073	347	0.070	138	0.052	347	0.064		
FR1 n12	15M	QPSK	36	22	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	141500	707.5	0.105	0.134	346	0.128	170	0.089	346	0.126		
FR1 n14	10M	QPSK	25	14	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	158600	793	0.090	0.113	392	0.111	213	0.077	392	0.111		
LTE Band 26	15M	QPSK	1	0		Left Cheek	0mm	Ant 0	ECI 2	26865	831.5	0.179	0.245	71	0.215	239	0.152	71	0.204		
FR1 n26	30M	QPSK	81	42	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	166300	831.5	0.084	0.124	71	0.101	302	0.072	71	0.100		
FR1 n26	30M	QPSK	81	42	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	166300	831.5	0.081	0.119	71	0.098	229	0.069	71	0.095		
LTE Band 66	20M	QPSK	1	0		Right Cheek	0mm	Ant 0	ECI 2	132322	1745	0.200	0.287	818	0.240	595	0.170	818	0.233		
FR1 n70	15M	QPSK	36	22	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	340500	1702.5	0.082	0.106	452	0.099	438	0.070	452	0.090		
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	ECI 2	349000	1745	0.093	0.127	818	0.112	664	0.079	818	0.102		
LTE Band 25	20M	QPSK	1	0		Right Cheek	0mm	Ant 0	ECI 2	26340	1880	0.193	0.267	481	0.232	713	0.165	481	0.216		
FR1 n25	45M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	ECI 2	376500	1882.5	0.118	0.156	486	0.155	746	0.101	486	0.149		

Hotspot & Extremity SAR Test																			
System & Position								DUT & Accessory		Power		SAR				Auto-tune is turned on		Auto-tune turned off	
Band	BW (kHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)
LTE Band 71	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	133297	680.5	0.770	0.844			372	0.887	94	0.492
LTE Band 12	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	23095	707.5	0.844	1.041			420	1.110	102	0.601
LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	23230	782	0.704	0.894			249	1.000	89	0.560
LTE Band 14	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	23330	793	0.828	1.107			248	1.230	123	0.687
FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	136100	680.5	0.582	0.698			372	0.833	134	0.449
FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	141500	707.5	0.554	0.667			420	0.673	175	0.470
FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	158800	793	0.728	0.902			248	0.905	199	0.509
LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	26865	831.5	0.799	1.093			358	1.380	75	0.745
FR1 n26	30M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	166300	831.5	0.963	1.275			358	1.590	94	0.856
LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	132572	1770	0.937	1.287			688	1.460	538	0.832
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	340500	1702.5	0.991	1.253			724	1.660	558	0.895
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	349000	1745	0.971	1.280			785	1.560	431	0.874
LTE Band 25	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 7	26590	1905	0.919	1.125			481	1.340	503	0.733
FR1 n25	45M	QPSK	120	60	DFT-SCS-15KHz	Back	5mm	Ant 0	ECI 7	376500	1882.5	1.020	1.272			481	1.500	389	0.816
LTE Band 71	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	133297	680.5			1.130	1.239	372	3.540	209	3.090
LTE Band 12	10M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	23095	707.5			1.470	1.613	420	4.600	160	4.020
FR1 n71	35M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	136100	680.5			0.922	1.106	372	2.890	121	2.580
FR1 n12	15M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	141500	707.5			1.160	1.460	420	3.630	78	3.240
FR1 n14	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	158800	793			1.170	1.449	248	3.800	42	3.390
LTE Band 66	20M	QPSK	1	0		Left Side	0mm	Ant 0	ECI 6	132072	1720			2.300	3.110	688	7.350	374	4.130
FR1 n70	15M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant 0	ECI 6	340500	1702.5			2.380	3.080	724	7.450	554	4.050
FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Left Side	0mm	Ant 0	ECI 6	349000	1745			2.510	3.196	785	8.540	589	4.760
LTE Band 25	20M	QPSK	1	0		Back	0mm	Ant 0	ECI 6	26140	1860			2.160	2.770	481	6.770	620	3.680
FR1 n25	45M	QPSK	120	60	DFT-SCS-15KHz	Back	0mm	Ant 0	ECI 6	376500	1882.5			2.540	3.183	481	7.940	656	4.520

Body worn SAR Test																			
System & Position						DUT & Accessory		Power		SAR		Auto-tune is turned on		Auto-tune turned off		Auto-tune is turned back on			
Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)	State	Single point 1g SAR (W/kg)
LTE Band 71	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	133297	680.5	0.770	0.844	372	1.210	203	0.828	372	1.100
LTE Band 12	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	23095	707.5	0.844	1.041	420	1.430	139	1.170	420	1.380
LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	23230	782	0.704	0.894	249	1.300	112	0.891	249	1.190
LTE Band 14	10M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	23330	793	0.828	1.107	248	1.730	68	1.180	248	1.590
FR1 n71	35M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	136100	680.5	0.582	0.698	372	0.870	117	0.502	372	0.850
FR1 n12	15M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	141500	707.5	0.554	0.697	420	0.880	168	0.528	420	0.800
FR1 n14	10M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	158600	793	0.728	0.902	248	1.070	202	1.050	248	1.050
LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	26865	831.5	0.799	1.093	358	1.370	232	0.807	358	1.360
FR1 n26	30M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	166300	831.5	0.963	1.275	358	1.830	269	0.567	358	1.740
LTE Band 66	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	132572	1770	0.937	1.287	688	1.620	777	0.657	688	1.570
FR1 n70	15M	QPSK	1	1	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	340500	1702.5	0.991	1.253	724	1.480	695	0.541	724	1.430
FR1 n66	45M	QPSK	120	60	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	349000	1745	0.971	1.280	785	1.610	641	0.799	785	1.460
LTE Band 25	20M	QPSK	1	0		Back	5mm	Ant 0	ECI 3	26590	1905	0.919	1.125	481	1.480	598	0.872	481	1.350
FR1 n25	45M	QPSK	120	60	DFT-SCS-19KHz	Back	5mm	Ant 0	ECI 3	376500	1882.5	1.020	1.272	481	1.580	555	1.070	481	1.470