



**FCC SAR Test Report**

**Report No. : FA320205**

	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	661	1880	25.62	26.50	1.225	-	-	-0.03	0.109	0.133
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	661	1880	25.62	26.50	1.225	-	-	0.05	0.106	0.130
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	661	1880	25.62	26.50	1.225	-	-	-0.03	0.055	0.067
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	661	1880	25.62	26.50	1.225	-	-	-0.11	0.103	0.126
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 2	661	1880	18.87	19.50	1.156	-	-	0.12	0.970	1.121
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 2	512	1850.2	18.76	19.50	1.186	-	-	0.05	0.959	1.137
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Cheek	0mm	Ant 1	DSI 2	810	1909.8	18.74	19.50	1.191	-	-	-0.13	0.824	0.982
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 1	DSI 2	661	1880	18.87	19.50	1.156	-	-	-0.12	0.947	1.095
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 1	DSI 2	512	1850.2	18.76	19.50	1.186	-	-	0.01	0.833	0.988
10	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Right Tilted	0mm	Ant 1	DSI 2	810	1909.8	18.74	19.50	1.191	-	-	0.01	1.000	1.191
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Cheek	0mm	Ant 1	DSI 2	661	1880	18.87	19.50	1.156	-	-	-0.17	0.635	0.734
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Left Tilted	0mm	Ant 1	DSI 2	661	1880	18.87	19.50	1.156	-	-	0.07	0.587	0.679
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	9400	1880	23.35	25.00	1.462	-	-	-0.03	0.097	0.142
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	9400	1880	23.35	25.00	1.462	-	-	-0.12	0.063	0.092
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	9400	1880	23.35	25.00	1.462	-	-	0.03	0.127	0.186
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	9400	1880	23.35	25.00	1.462	-	-	-0.04	0.051	0.075
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9400	1880	18.26	19.00	1.186	-	-	-0.16	0.824	0.977
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9262	1852.4	18.16	19.00	1.213	-	-	0.09	0.916	1.111
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Cheek	0mm	Ant 1	DSI 2	9538	1907.6	18.22	19.00	1.197	-	-	-0.16	0.821	0.983
11	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 2	9400	1880	18.26	19.00	1.186	-	-	0.01	0.997	1.182
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 2	9262	1852.4	18.16	19.00	1.213	-	-	-0.18	0.949	1.152
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Right Tilted	0mm	Ant 1	DSI 2	9538	1907.6	18.22	19.00	1.197	-	-	0.14	0.961	1.150
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Cheek	0mm	Ant 1	DSI 2	9400	1880	18.26	19.00	1.186	-	-	-0.15	0.505	0.599
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Left Tilted	0mm	Ant 1	DSI 2	9400	1880	18.26	19.00	1.186	-	-	0.11	0.629	0.746
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	18900	1880	22.58	24.00	1.387	-	-	-0.03	0.085	0.118
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	18900	1880	21.74	23.00	1.337	-	-	-0.1	0.070	0.094
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	18900	1880	22.58	24.00	1.387	-	-	0.06	0.060	0.083
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	18900	1880	21.74	23.00	1.337	-	-	-0.15	0.050	0.067
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	18900	1880	22.58	24.00	1.387	-	-	0.09	0.120	0.166
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	18900	1880	21.74	23.00	1.337	-	-	0.05	0.096	0.128
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	18900	1880	22.58	24.00	1.387	-	-	-0.14	0.050	0.069
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	18900	1880	21.74	23.00	1.337	-	-	0.04	0.045	0.060
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	18900	1880	17.05	18.00	1.245	-	-	0.02	0.901	1.121
	LTE Band 2 ENDC	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	18900	1880	15.08	16.00	1.236	-	-	0.02	0.552	0.682
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	18700	1860	16.97	18.00	1.268	-	-	-0.19	0.862	1.093
	LTE Band 2	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	19100	1900	16.95	18.00	1.274	-	-	0.01	0.802	1.021
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	18900	1880	17.02	18.00	1.253	-	-	0.03	0.714	0.895
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	18700	1860	16.93	18.00	1.279	-	-	0.08	0.719	0.920
	LTE Band 2	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	19100	1900	16.89	18.00	1.291	-	-	0.03	0.665	0.859
	LTE Band 2	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	DSI 2	18900	1880	16.94	18.00	1.276	-	-	-0.08	0.691	0.882
12	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	18900	1880	17.05	18.00	1.245	-	-	-0.01	0.964	1.200
	LTE Band 2 ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	18900	1880	15.08	16.00	1.236	-	-	0.04	0.651	0.805
	LTE Band 2 Other PA ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	18900	1880	16.09	17.00	1.233	-	-	0.01	0.645	0.795
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	18700	1860	16.97	18.00	1.268	-	-	0.11	0.905	1.147
	LTE Band 2	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	19100	1900	16.95	18.00	1.274	-	-	0.04	0.910	1.159
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	18900	1880	17.02	18.00	1.253	-	-	0.01	0.805	1.009
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	18700	1860	16.93	18.00	1.279	-	-	-0.05	0.771	0.986
	LTE Band 2	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	19100	1900	16.89	18.00	1.291	-	-	0.09	0.762	0.984
	LTE Band 2	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	DSI 2	18900	1880	16.94	18.00	1.276	-	-	0.19	0.788	1.006
	LTE Band 2	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	18900	1880	17.05	18.00	1.245	-	-	-0.07	0.506	0.630
	LTE Band 2	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	18900	1880	17.02	18.00	1.253	-	-	-0.1	0.421	0.528
	LTE Band 2	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	18900	1880	17.05	18.00	1.245	-	-	-0.07	0.594	0.739
	LTE Band 2	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	18900	1880	17.02	18.00	1.253	-	-	0.07	0.498	0.624
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	376000	1880	22.77	24.00	1.327	-	-	0.04	0.061	0.081
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	376000	1880	22.73	24.00	1.340	-	-	0.02	0.067	0.090



	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	376000	1880	22.77	24.00	1.327	-	-	0.05	0.050	0.066
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	376000	1880	22.73	24.00	1.340	-	-	-0.12	0.052	0.070
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	376000	1880	22.77	24.00	1.327	-	-	0.03	0.098	0.130
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	376000	1880	22.73	24.00	1.340	-	-	0.06	0.101	0.135
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	376000	1880	22.77	24.00	1.327	-	-	-0.09	0.042	0.056
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	376000	1880	22.73	24.00	1.340	-	-	-0.02	0.044	0.059
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	376000	1880	19.35	20.00	1.161	-	-	0.16	0.840	0.976
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	372000	1860	19.27	20.00	1.183	-	-	0.01	0.748	0.885
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	380000	1900	19.23	20.00	1.194	-	-	0.06	0.711	0.849
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	376000	1880	19.31	20.00	1.172	-	-	-0.07	0.808	0.947
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	372000	1860	19.20	20.00	1.202	-	-	-0.07	0.726	0.873
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	380000	1900	19.26	20.00	1.186	-	-	-0.07	0.695	0.824
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	376000	1880	19.26	20.00	1.186	-	-	0.06	0.648	0.768
13	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	376000	1880	19.35	20.00	1.161	-	-	-0.01	0.946	1.099
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	372000	1860	19.27	20.00	1.183	-	-	-0.01	0.804	0.951
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	380000	1900	19.23	20.00	1.194	-	-	-0.01	0.812	0.970
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	376000	1880	19.31	20.00	1.172	-	-	0.01	0.909	1.066
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	372000	1860	19.20	20.00	1.202	-	-	0.01	0.765	0.920
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	380000	1900	19.26	20.00	1.186	-	-	0.01	0.771	0.914
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	376000	1880	19.26	20.00	1.186	-	-	0.09	0.730	0.866
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	376000	1880	19.35	20.00	1.161	-	-	0.02	0.487	0.566
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	376000	1880	19.31	20.00	1.172	-	-	0.03	0.519	0.608
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	376000	1880	19.35	20.00	1.161	-	-	0.01	0.588	0.683
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	376000	1880	19.31	20.00	1.172	-	-	0.04	0.597	0.700
<b>2600MHz</b>																				
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	23.09	24.00	1.233	-	-	-0.11	0.080	0.099
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	22.09	23.00	1.233	-	-	0.07	0.061	0.075
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	21100	2535	23.09	24.00	1.233	-	-	0.05	0.053	0.065
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	21100	2535	22.09	23.00	1.233	-	-	-0.05	0.040	0.049
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	21100	2535	23.09	24.00	1.233	-	-	0.09	0.088	0.109
	LTE Band 7C	20M	QPSK	1	99	-	Left Cheek	0mm	Ant 0	DSI 2	21100+21298	2535+2554.8	22.55	24.00	1.396	-	-	0.08	0.077	0.108
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	21100	2535	22.09	23.00	1.233	-	-	0.02	0.066	0.081
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	21100	2535	23.09	24.00	1.233	-	-	0.07	0.053	0.065
	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	21100	2535	22.09	23.00	1.233	-	-	0.03	0.041	0.051
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	16.51	18.00	1.409	-	-	-0.17	0.684	0.964
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	20850	2510	16.47	18.00	1.422	-	-	0.11	0.605	0.861
	LTE Band 7	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	16.39	18.00	1.449	-	-	-0.19	0.713	1.033
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	14.39	16.00	1.449	-	-	0.01	0.472	0.684
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	16.48	18.00	1.419	-	-	0.07	0.576	0.817
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	20850	2510	16.44	18.00	1.432	-	-	-0.05	0.479	0.686
	LTE Band 7	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	16.35	18.00	1.462	-	-	0.07	0.541	0.791
	LTE Band 7	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	16.42	18.00	1.439	-	-	0.08	0.536	0.771
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	16.51	18.00	1.409	-	-	0.08	0.776	1.094
	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	20850	2510	16.47	18.00	1.422	-	-	-0.1	0.686	0.976
14	LTE Band 7	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	16.39	18.00	1.449	-	-	0.04	0.809	1.172
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	14.39	16.00	1.449	-	-	0.02	0.560	0.811
	LTE Band 7 Other PA ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	15.18	16.00	1.208	-	-	0.01	0.527	0.637
	LTE Band 7C	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	21350+21152	2560+2540.2	16.04	18.00	1.570	-	-	0.01	0.735	1.154
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	16.48	18.00	1.419	-	-	-0.18	0.624	0.885
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	20850	2510	16.44	18.00	1.432	-	-	0.05	0.550	0.788
	LTE Band 7	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	16.35	18.00	1.462	-	-	0.01	0.646	0.945
	LTE Band 7	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	16.42	18.00	1.439	-	-	-0.04	0.611	0.879
	LTE Band 7	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	16.51	18.00	1.409	-	-	-0.06	0.517	0.729
	LTE Band 7	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	16.48	18.00	1.419	-	-	0.19	0.411	0.583
	LTE Band 7	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	16.51	18.00	1.409	-	-	0.14	0.490	0.691



**FCC SAR Test Report**

Report No. : FA320205

	LTE Band 7	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	16.48	18.00	1.419	-	-	0.02	0.394	0.559
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	22.84	24.00	1.306	62.9	1.006	0.07	0.045	0.059
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	21.76	23.00	1.330	62.9	1.006	0.07	0.036	0.048
	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 0	DSI 2	40620	2593	22.84	24.00	1.306	62.9	1.006	0.06	0.000	0.000
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 0	DSI 2	40620	2593	21.76	23.00	1.330	62.9	1.006	0.11	0.000	0.000
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 0	DSI 2	40620	2593	22.84	24.00	1.306	62.9	1.006	0.01	0.059	0.078
	LTE Band 41C	20M	QPSK	1	99	-	Left Cheek	0mm	Ant 0	DSI 2	40620+40818	2593+2612.8	22.62	24.00	1.374	62.9	1.006	0.04	0.052	0.072
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 0	DSI 2	40620	2593	21.76	23.00	1.330	62.9	1.006	0.06	0.047	0.063
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 0	DSI 2	40620	2593	22.84	24.00	1.306	62.9	1.006	0.03	0.000	0.000
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 0	DSI 2	40620	2593	21.76	23.00	1.330	62.9	1.006	0.06	0.000	0.000
	LTE Band 41	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	40620	2593	16.20	17.00	1.202	62.9	1.006	-0.09	0.421	0.509
	LTE Band 41	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	40620	2593	16.17	17.00	1.211	62.9	1.006	0.07	0.333	0.406
15	LTE Band 41	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	40620	2593	16.20	17.00	1.202	62.9	1.006	0.06	0.517	<b>0.625</b>
	LTE Band 41 Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	40620	2593	15.33	16.00	1.167	-	-	0.05	0.502	0.586
	LTE Band 41C	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 1	DSI 2	40620+40818	2593+2612.8	15.32	17.00	1.472	62.9	1.006	0.11	0.378	0.560
	LTE Band 41	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	40620	2593	16.17	17.00	1.211	62.9	1.006	-0.09	0.365	0.445
	LTE Band 41	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	40620	2593	16.20	17.00	1.202	62.9	1.006	-0.1	0.304	0.368
	LTE Band 41	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	40620	2593	16.17	17.00	1.211	62.9	1.006	0.18	0.243	0.296
	LTE Band 41	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	40620	2593	16.20	17.00	1.202	62.9	1.006	0.14	0.304	0.368
	LTE Band 41	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	40620	2593	16.17	17.00	1.211	62.9	1.006	-0.11	0.243	0.296
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	38000	2595	17.96	19.00	1.271	62.9	1.006	-0.09	0.763	0.975
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	37850	2580	17.91	19.00	1.285	62.9	1.006	0.17	0.743	0.961
	LTE Band 38	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 1	DSI 2	38150	2610	17.88	19.00	1.294	62.9	1.006	0.01	0.787	1.025
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	38000	2595	17.90	19.00	1.288	62.9	1.006	0.07	0.603	0.781
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	37850	2580	17.86	19.00	1.300	62.9	1.006	0.02	0.583	0.763
	LTE Band 38	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 1	DSI 2	38150	2610	17.82	19.00	1.312	62.9	1.006	0.13	0.616	0.813
	LTE Band 38	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 1	DSI 2	38000	2595	17.78	19.00	1.324	62.9	1.006	0.05	0.600	0.799
16	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	38000	2595	17.96	19.00	1.271	62.9	1.006	0.01	0.889	<b>1.136</b>
	LTE Band 38C	20M	QPSK	1	99	-	Right Tilted	0mm	Ant 1	DSI 2	37901+38099	2585.1+2604.9	17.40	19.00	1.445	62.9	1.006	-0.01	0.780	1.134
	LTE Band 38 ENDC	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	38000	2595	16.16	17.00	1.213	62.9	1.006	0.06	0.488	0.596
	LTE Band 38 Other PA	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	38000	2595	15.12	16.00	1.225	-	-	0.05	0.472	0.578
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	37850	2580	17.91	19.00	1.285	62.9	1.006	0.04	0.873	1.129
	LTE Band 38	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 1	DSI 2	38150	2610	17.88	19.00	1.294	62.9	1.006	0.03	0.821	1.069
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	38000	2595	17.90	19.00	1.288	62.9	1.006	-0.09	0.661	0.857
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	37850	2580	17.86	19.00	1.300	62.9	1.006	0.02	0.689	0.901
	LTE Band 38	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 1	DSI 2	38150	2610	17.82	19.00	1.312	62.9	1.006	0.05	0.702	0.927
	LTE Band 38	20M	QPSK	100	0	-	Right Tilted	0mm	Ant 1	DSI 2	38000	2595	17.78	19.00	1.324	62.9	1.006	0.06	0.652	0.869
	LTE Band 38	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 1	DSI 2	38000	2595	17.96	19.00	1.271	62.9	1.006	-0.1	0.551	0.704
	LTE Band 38	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 1	DSI 2	38000	2595	17.90	19.00	1.288	62.9	1.006	0.18	0.440	0.570
	LTE Band 38	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 1	DSI 2	38000	2595	17.96	19.00	1.271	62.9	1.006	0.14	0.551	0.704
	LTE Band 38	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 1	DSI 2	38000	2595	17.90	19.00	1.288	62.9	1.006	-0.11	0.440	0.570
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	23.17	24.00	1.211	-	-	0.19	0.041	0.050
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	23.12	24.00	1.225	-	-	-0.18	0.053	0.065
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	507000	2535	23.17	24.00	1.211	-	-	0.07	0.000	0.000
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 0	DSI 2	507000	2535	23.12	24.00	1.225	-	-	0.04	0.000	0.000
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	507000	2535	23.17	24.00	1.211	-	-	0.05	0.055	0.067
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 0	DSI 2	507000	2535	23.12	24.00	1.225	-	-	0.02	0.061	0.075
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	507000	2535	23.17	24.00	1.211	-	-	0.07	0.000	0.000
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Tilted	0mm	Ant 0	DSI 2	507000	2535	23.12	24.00	1.225	-	-	0.12	0.000	0.000
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	17.33	18.00	1.167	-	-	0.08	0.872	1.017
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	17.30	18.00	1.175	-	-	0.19	0.935	1.099
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Right Cheek	0mm	Ant 1	DSI 2	507000	2535	17.21	18.00	1.199	-	-	0.05	0.787	0.944
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	17.33	18.00	1.167	-	-	-0.03	0.997	1.163
17	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	17.30	18.00	1.175	-	-	-0.06	1.030	<b>1.210</b>



# FCC SAR Test Report

Report No. : FA320205

	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Right Tilted	0mm	Ant 1	DSI 2	507000	2535	17.21	18.00	1.199	-	-	-0.08	0.899	1.078
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	17.33	18.00	1.167	-	-	0.04	0.652	0.761
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Cheek	0mm	Ant 1	DSI 2	507000	2535	17.30	18.00	1.175	-	-	0.05	0.670	0.787
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	17.33	18.00	1.167	-	-	0.11	0.638	0.744
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	17.30	18.00	1.175	-	-	0.18	0.706	0.829
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Left Tilted	0mm	Ant 1	DSI 2	507000	2535	17.21	18.00	1.199	-	-	0.02	0.689	0.826
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	23.01	24.00	1.256	-	-	0.08	0.050	0.063
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 0	DSI 2	518598	2592.99	22.99	24.00	1.262	-	-	0.04	0.076	0.096
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DSI 2	518598	2592.99	23.01	24.00	1.256	-	-	-0.06	0.000	0.000
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 0	DSI 2	518598	2592.99	22.99	24.00	1.262	-	-	0.06	0.042	0.053
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DSI 2	518598	2592.99	23.01	24.00	1.256	-	-	0.08	0.054	0.068
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 0	DSI 2	518598	2592.99	22.99	24.00	1.262	-	-	0.01	0.067	0.085
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DSI 2	518598	2592.99	23.01	24.00	1.256	-	-	0.01	0.000	0.000
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 0	DSI 2	518598	2592.99	22.99	24.00	1.262	-	-	-0.09	0.000	0.000
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	16.79	17.50	1.178	-	-	-0.01	0.748	0.881
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	16.68	17.50	1.208	-	-	0.16	0.860	1.039
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 1	DSI 2	518598	2592.99	16.48	17.50	1.265	-	-	-0.17	0.659	0.833
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	16.79	17.50	1.178	-	-	-0.06	0.852	1.003
18	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	16.68	17.50	1.208	-	-	-0.13	0.957	<b>1.156</b>
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Right Tilted	0mm	Ant 1	DSI 2	518598	2592.99	16.48	17.50	1.265	-	-	0.02	0.716	0.906
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	16.79	17.50	1.178	-	-	0.06	0.551	0.649
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 1	DSI 2	518598	2592.99	16.68	17.50	1.208	-	-	0.16	0.647	0.781
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DSI 2	518598	2592.99	16.79	17.50	1.178	-	-	0.06	0.567	0.668
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 1	DSI 2	518598	2592.99	16.68	17.50	1.208	-	-	0.15	0.607	0.733
<b>3500MHz</b>																				
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	42590	3500	17.16	18.00	1.213	62.9	1.006	-0.07	0.513	0.626
	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	42190	3460	17.11	18.00	1.227	62.9	1.006	0.08	0.502	0.620
19	LTE Band 42	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	42990	3540	17.12	18.00	1.225	62.9	1.006	0.03	0.530	<b>0.653</b>
	LTE Band 42C	20M	QPSK	1	0	-	Right Cheek	0mm	Ant 2	DSI 2	42990+ 42792	3540+ 3520.2	16.83	18.00	1.309	62.9	1.006	0.16	0.477	0.628
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 2	42590	3500	17.12	18.00	1.225	62.9	1.006	0.01	0.411	0.506
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 2	42190	3460	17.04	18.00	1.247	62.9	1.006	-0.14	0.398	0.499
	LTE Band 42	20M	QPSK	50	0	-	Right Cheek	0mm	Ant 2	DSI 2	42990	3540	17.07	18.00	1.239	62.9	1.006	0.03	0.411	0.512
	LTE Band 42	20M	QPSK	100	0	-	Right Cheek	0mm	Ant 2	DSI 2	42590	3500	16.87	18.00	1.297	62.9	1.006	0.11	0.188	0.245
	LTE Band 42	20M	QPSK	1	0	-	Right Tilted	0mm	Ant 2	DSI 2	42590	3500	17.16	18.00	1.213	62.9	1.006	-0.03	0.181	0.221
	LTE Band 42	20M	QPSK	50	0	-	Right Tilted	0mm	Ant 2	DSI 2	42590	3500	17.12	18.00	1.225	62.9	1.006	0.16	0.143	0.176
	LTE Band 42	20M	QPSK	1	0	-	Left Cheek	0mm	Ant 2	DSI 2	42590	3500	17.16	18.00	1.213	62.9	1.006	0.15	0.124	0.151
	LTE Band 42	20M	QPSK	50	0	-	Left Cheek	0mm	Ant 2	DSI 2	42590	3500	17.12	18.00	1.225	62.9	1.006	0.16	0.098	0.121
	LTE Band 42	20M	QPSK	1	0	-	Left Tilted	0mm	Ant 2	DSI 2	42590	3500	17.16	18.00	1.213	62.9	1.006	0.02	0.072	0.088
	LTE Band 42	20M	QPSK	50	0	-	Left Tilted	0mm	Ant 2	DSI 2	42590	3500	17.12	18.00	1.225	62.9	1.006	-0.04	0.057	0.070
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	17.58	18.50	1.236	-	-	-0.04	0.732	0.905
20	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	17.54	18.50	1.247	-	-	0.09	0.952	<b>1.188</b>
	FR1 n77 ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	14.56	15.50	1.242	-	-	0.01	0.477	0.592
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	17.36	18.50	1.300	-	-	-0.09	0.788	1.025
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	DSI 2	656000	3840	17.58	18.50	1.236	-	-	0.08	0.343	0.424
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	DSI 2	656000	3840	17.54	18.50	1.247	-	-	0.03	0.464	0.579
	FR1 n77 ENDC	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 2	DSI 2	656000	3840	14.56	15.50	1.242	-	-	0.01	0.257	0.319
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 2	DSI 2	656000	3840	17.58	18.50	1.236	-	-	0.08	0.203	0.251
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 2	DSI 2	656000	3840	17.54	18.50	1.247	-	-	0.09	0.275	0.343
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 2	DSI 2	656000	3840	17.58	18.50	1.236	-	-	0.05	0.131	0.162
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 2	DSI 2	656000	3840	17.54	18.50	1.247	-	-	0.05	0.181	0.226
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DSI 2	656000	3840	16.44	17.00	1.138	-	-	0.12	0.302	0.344
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DSI 2	656000	3840	16.29	17.00	1.178	-	-	0.04	0.389	0.458
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DSI 2	656000	3840	16.44	17.00	1.138	-	-	0.06	0.375	0.427
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DSI 2	656000	3840	16.29	17.00	1.178	-	-	0.01	0.402	0.473
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	16.44	17.00	1.138	-	-	0.07	0.633	0.720



**FCC SAR Test Report**

**Report No. : FA320205**

	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	16.29	17.00	1.178	-	-	0.01	0.798	0.940
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	656000	3840	15.98	17.00	1.265	-	-	0.06	0.762	0.964
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	16.44	17.00	1.138	-	-	0.08	0.574	0.653
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	656000	3840	16.29	17.00	1.178	-	-	0.03	0.627	0.738
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	656000	3840	16.53	17.50	1.250	-	-	0.06	0.277	0.346
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	656000	3840	16.48	17.50	1.265	-	-	0.11	0.395	0.500
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	656000	3840	16.53	17.50	1.250	-	-	0.06	0.295	0.369
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	656000	3840	16.48	17.50	1.265	-	-	-0.07	0.427	0.540
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	656000	3840	16.53	17.50	1.250	-	-	0.04	0.856	1.070
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	656000	3840	16.48	17.50	1.265	-	-	-0.03	0.920	1.164
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	656000	3840	16.16	17.50	1.361	-	-	0.03	0.722	0.983
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	656000	3840	16.53	17.50	1.250	-	-	0.08	0.805	1.006
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	656000	3840	16.48	17.50	1.265	-	-	-0.13	0.909	1.150
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	656000	3840	16.16	17.50	1.361	-	-	0.07	0.716	0.975
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	DSI 2	656000	3840	25.57	26.50	1.239	-	-	0.08	0.392	0.486
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 7	DSI 2	656000	3840	25.50	26.50	1.259	-	-	0.07	0.541	0.681
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	656000	3840	25.57	26.50	1.239	-	-	-0.16	0.420	0.520
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 7	DSI 2	656000	3840	25.50	26.50	1.259	-	-	0.04	0.559	0.704
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	656000	3840	25.57	26.50	1.239	-	-	0.17	0.530	0.657
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	656000	3840	25.50	26.50	1.259	-	-	-0.08	0.690	0.869
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 7	DSI 2	656000	3840	24.43	25.50	1.279	-	-	-0.12	0.547	0.700
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	DSI 2	656000	3840	25.57	26.50	1.239	-	-	0.13	0.281	0.348
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 7	DSI 2	656000	3840	25.50	26.50	1.259	-	-	-0.04	0.388	0.488
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DSI 2	650000	3750	16.23	17.00	1.194	-	-	-0.08	0.527	0.629
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 4	DSI 2	650000	3750	16.15	17.00	1.216	-	-	0.04	0.647	0.787
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DSI 2	650000	3750	16.23	17.00	1.194	-	-	-0.08	0.443	0.529
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 4	DSI 2	650000	3750	16.15	17.00	1.216	-	-	0.03	0.519	0.631
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	650000	3750	16.23	17.00	1.194	-	-	0.02	0.787	0.940
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	650000	3750	16.15	17.00	1.216	-	-	0.11	0.702	0.854
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 4	DSI 2	650000	3750	15.97	17.00	1.268	-	-	0.06	0.614	0.778
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	650000	3750	16.23	17.00	1.194	-	-	0.13	0.575	0.687
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	650000	3750	16.15	17.00	1.216	-	-	-0.19	0.877	1.067
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 4	DSI 2	650000	3750	15.97	17.00	1.268	-	-	0.02	0.660	0.837
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	650000	3750	16.57	17.50	1.239	-	-	-0.18	0.243	0.301
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 5	DSI 2	650000	3750	16.56	17.50	1.242	-	-	-0.13	0.344	0.427
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	650000	3750	16.57	17.50	1.239	-	-	0.18	0.214	0.265
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Tilted	0mm	Ant 5	DSI 2	650000	3750	16.56	17.50	1.242	-	-	0.12	0.349	0.433
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	650000	3750	16.57	17.50	1.239	-	-	0.06	0.702	0.870
21	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	650000	3750	16.56	17.50	1.242	-	-	0.02	0.932	1.157
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	650000	3750	16.50	17.50	1.259	-	-	0.06	0.912	1.148
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	650000	3750	16.57	17.50	1.239	-	-	-0.15	0.499	0.618
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	650000	3750	16.56	17.50	1.242	-	-	-0.1	0.721	0.895
	FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Left Tilted	0mm	Ant 5	DSI 2	650000	3750	16.50	17.50	1.259	-	-	0.08	0.696	0.876





Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>2450MHz</b>																
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6+3 (6)	standalone	6	2437	18.42	20.00	1.439	99.47	1.005	-0.16	0.523	0.756
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+3 (6)	standalone	6	2437	18.42	20.00	1.439	99.47	1.005	0.06	0.736	1.064
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+3	standalone	1	2412	21.44	22.80	1.368	99.47	1.005	0.03	0.482	0.662
22	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+3 (6)	standalone	6	2437	18.42	20.00	1.439	99.47	1.005	-0.17	0.962	<b>1.391</b>
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+3	standalone	1	2412	21.44	22.80	1.368	99.47	1.005	0.16	0.819	1.126
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+3	standalone	11	2462	21.37	22.80	1.390	99.47	1.005	0.01	0.853	1.192
	WLAN2.4GHz	802.11ax-HE20 MCS0	Left Cheek	0mm	Ant 6+3 (6)	standalone	6	2437	18.53	20.00	1.403	96.97	1.031	0.08	0.816	1.180
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+3 (6)	standalone	6	2437	18.42	20.00	1.439	99.47	1.005	-0.04	0.954	1.379
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+3	standalone	1	2412	21.44	22.80	1.368	99.47	1.005	-0.01	0.938	1.289
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6+3 (6)	non DBS	6	2437	12.05	13.50	1.396	99.47	1.005	0.03	0.112	0.157
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6+3 (6)	non DBS	6	2437	12.05	13.50	1.396	99.47	1.005	0.04	0.144	0.202
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6+3 (6)	non DBS	6	2437	12.05	13.50	1.396	99.47	1.005	0.02	0.222	0.312
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6+3 (6)	non DBS	6	2437	12.05	13.50	1.396	99.47	1.005	0.05	0.188	0.264
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6	standalone	1	2412	18.65	20.00	1.365	99.47	1.005	0.05	0.237	0.325
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	standalone	1	2412	18.65	20.00	1.365	99.47	1.005	0.02	0.080	0.110
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	Standalone & DBS Only	1	2412	18.65	20.00	1.365	99.47	1.005	0.11	0.581	0.797
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	standalone	1	2412	18.65	20.00	1.365	99.47	1.005	0.1	0.161	0.221
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 6	DBS	1	2412	11.21	12.50	1.346	99.47	1.005	-0.05	0.032	0.043
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 6	DBS	1	2412	11.21	12.50	1.346	99.47	1.005	0.01	0.001	0.001
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 6	DBS	1	2412	11.21	12.50	1.346	99.47	1.005	0.02	0.132	0.179
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 6	DBS	1	2412	11.21	12.50	1.346	99.47	1.005	0.04	0.032	0.043
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	standalone	6	2437	18.62	20.00	1.374	99.47	1.005	-0.11	0.544	0.751
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	standalone	6	2437	18.62	20.00	1.374	99.47	1.005	0.12	0.637	0.880
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	standalone	1	2412	18.22	19.50	1.343	99.47	1.005	0.01	0.568	0.767
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	standalone	6	2437	18.62	20.00	1.374	99.47	1.005	0.07	0.867	1.197
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	standalone	1	2412	18.22	19.50	1.343	99.47	1.005	0.16	0.731	0.986
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	standalone	6	2437	18.62	20.00	1.374	99.47	1.005	-0.03	0.922	1.273
	WLAN2.4GHz	802.11ax-HE20 MCS0	Left Tilted	0mm	Ant 3	standalone	6	2437	18.61	20.00	1.377	99.47	1.005	-0.03	0.855	1.183
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	standalone	6	2437	18.14	19.50	1.368	99.47	1.005	-0.03	0.874	1.201
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	standalone	1	2412	18.22	19.50	1.343	99.47	1.005	0.04	0.759	1.024
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 3	non DBS	6	2437	12.21	13.50	1.346	99.47	1.005	0.05	0.107	0.145
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 3	non DBS	6	2437	12.21	13.50	1.346	99.47	1.005	0.04	0.112	0.151
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 3	non DBS	6	2437	12.21	13.50	1.346	99.47	1.005	-0.02	0.187	0.253
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 3	non DBS	6	2437	12.21	13.50	1.346	99.47	1.005	0.02	0.242	0.327
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 6	Full power	39	2441	11.15	12.00	1.215	76.86	1.084	0.03	0.029	0.038
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 6	Full power	39	2441	11.15	12.00	1.215	76.86	1.084	0.01	0.000	0.000
23	Bluetooth	1Mbps	Left Cheek	0mm	Ant 6	Full power	39	2441	11.15	12.00	1.215	76.86	1.084	-0.01	0.081	<b>0.107</b>
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 6	Full power	39	2441	11.15	12.00	1.215	76.86	1.084	-0.02	0.019	0.025
<b>5000MHz</b>																
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4 (5)	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	0.09	0.282	0.445
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4 (5)	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	-0.11	0.335	0.528
24	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	0.01	0.643	<b>1.014</b>
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4 (5)	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	0.05	0.606	0.956
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4 (5)	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	0.04	0.075	0.122
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4 (5)	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	0.02	0.086	0.140
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	0.09	0.176	0.287
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4 (5)	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	0.02	0.156	0.254
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	-0.16	0.193	0.304
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	0.11	0.266	0.419
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	-0.08	0.595	0.938
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	DBS Only	58	5290	12.41	14.00	1.442	88.23	1.133	0.03	0.488	0.797



	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	Standalone	58	5290	13.56	15.00	1.392	88.23	1.133	0.02	0.428	0.675
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	0.05	0.060	0.098
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	-0.01	0.079	0.129
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	-0.06	0.176	0.287
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	WWAN + non DBS	58	5290	8.42	10.00	1.439	88.23	1.133	0.08	0.142	0.231
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	WWAN + DBS	58	5290	7.37	9.00	1.455	88.23	1.133	0.06	0.048	0.079
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	WWAN + DBS	58	5290	7.37	9.00	1.455	88.23	1.133	-0.01	0.065	0.107
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	WWAN + DBS	58	5290	7.37	9.00	1.455	88.23	1.133	0.12	0.123	0.203
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	WWAN + DBS	58	5290	7.37	9.00	1.455	88.23	1.133	0.01	0.094	0.155
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4 (4)	Standalone	122	5610	12.21	13.50	1.346	88.23	1.133	0.07	0.360	0.549
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4 (4)	Standalone	122	5610	12.21	13.50	1.346	88.23	1.133	-0.13	0.432	0.659
25	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (4)	Standalone	122	5610	12.21	13.50	1.346	88.23	1.133	-0.02	0.745	1.136
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	Standalone	138	5690	12.05	13.50	1.396	88.23	1.133	-0.13	0.717	1.134
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4 (4)	Standalone	122	5610	12.21	13.50	1.346	88.23	1.133	0.09	0.667	1.017
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4 (4)	Standalone	138	5690	12.05	13.50	1.396	88.23	1.133	0.17	0.704	1.114
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.04	0.085	0.131
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.05	0.091	0.141
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.02	0.200	0.309
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (5)	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	-0.03	0.192	0.297
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Standalone	122	5610	12.22	13.50	1.343	88.23	1.133	-0.03	0.233	0.354
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Standalone	122	5610	12.22	13.50	1.343	88.23	1.133	-0.02	0.260	0.396
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Standalone	122	5610	12.22	13.50	1.343	88.23	1.133	0.05	0.380	0.578
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	DBS Only	122	5610	12.22	13.50	1.343	88.23	1.133	0.11	0.520	0.791
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.04	0.071	0.110
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.05	0.070	0.108
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.08	0.168	0.260
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	WWAN + non DBS	122	5610	7.15	8.50	1.365	88.23	1.133	0.08	0.171	0.264
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	WWAN + DBS	122	5610	6.18	7.50	1.355	88.23	1.133	0.04	0.059	0.091
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	WWAN + DBS	122	5610	6.18	7.50	1.355	88.23	1.133	0.05	0.058	0.089
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	WWAN + DBS	122	5610	6.18	7.50	1.355	88.23	1.133	-0.07	0.121	0.186
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	WWAN + DBS	122	5610	6.18	7.50	1.355	88.23	1.133	0.08	0.126	0.194
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4 (4)	Standalone	155	5775	14.95	16.50	1.429	88.23	1.133	-0.19	0.273	0.442
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4 (4)	Standalone	155	5775	14.95	16.50	1.429	88.23	1.133	0.15	0.361	0.584
26	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (4)	Standalone	155	5775	14.95	16.50	1.429	88.23	1.133	-0.02	0.721	1.167
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4 (4)	Standalone	155	5775	14.95	16.50	1.429	88.23	1.133	0.07	0.690	1.117
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	8.37	10.00	1.455	88.23	1.133	0.05	0.083	0.137
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	8.37	10.00	1.455	88.23	1.133	-0.01	0.070	0.115
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	8.37	10.00	1.455	88.23	1.133	-0.05	0.181	0.298
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	8.37	10.00	1.455	88.23	1.133	0.04	0.176	0.290
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	Standalone	155	5775	14.72	16.00	1.343	88.23	1.133	0.09	0.301	0.458
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	Standalone	155	5775	14.72	16.00	1.343	88.23	1.133	0.14	0.334	0.508
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	Standalone	155	5775	14.72	16.00	1.343	88.23	1.133	0.03	0.572	0.870
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	Standalone	155	5775	14.72	16.00	1.343	88.23	1.133	-0.18	0.688	1.047
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	DBS Only	155	5775	13.22	14.50	1.343	88.23	1.133	-0.14	0.523	0.796
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	WWAN + non DBS	155	5775	8.11	9.50	1.377	88.23	1.133	0.04	0.051	0.080
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	WWAN + non DBS	155	5775	8.11	9.50	1.377	88.23	1.133	-0.04	0.061	0.095
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	WWAN + non DBS	155	5775	8.11	9.50	1.377	88.23	1.133	0.01	0.153	0.239
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	WWAN + non DBS	155	5775	8.11	9.50	1.377	88.23	1.133	-0.06	0.175	0.273
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	WWAN + DBS	155	5775	7.31	8.50	1.315	88.23	1.133	0.05	0.052	0.077
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	WWAN + DBS	155	5775	7.31	8.50	1.315	88.23	1.133	-0.07	0.076	0.113
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	WWAN + DBS	155	5775	7.31	8.50	1.315	88.23	1.133	0.01	0.107	0.159
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	WWAN + DBS	155	5775	7.31	8.50	1.315	88.23	1.133	0.08	0.135	0.201



15.2 Hotspot SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>750MHz</b>																				
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	23095	707.5	22.73	24.00	1.340	-	-	-0.13	0.545	0.730
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	DSI 7	23095	707.5	21.59	23.00	1.384	-	-	0.09	0.442	0.612
27	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	22.73	24.00	1.340	-	-	-0.07	0.824	<b>1.104</b>
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	21.59	23.00	1.384	-	-	0.07	0.649	0.898
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	23095	707.5	21.53	23.00	1.403	-	-	-0.14	0.646	0.906
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	23095	707.5	22.73	24.00	1.340	-	-	-0.03	0.081	0.109
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 0	DSI 7	23095	707.5	21.59	23.00	1.384	-	-	-0.14	0.062	0.086
	LTE Band 12	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	23095	707.5	22.73	24.00	1.340	-	-	0.17	0.254	0.340
	LTE Band 12	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DSI 7	23095	707.5	21.59	23.00	1.384	-	-	0.12	0.203	0.281
	LTE Band 12	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	23095	707.5	22.73	24.00	1.340	-	-	-0.1	0.524	0.702
	LTE Band 12	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DSI 7	23095	707.5	21.59	23.00	1.384	-	-	-0.04	0.414	0.573
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	23095	707.5	20.47	22.00	1.422	-	-	0.07	0.142	0.202
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	DSI 7	23095	707.5	20.45	22.00	1.429	-	-	0.07	0.113	0.161
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	23095	707.5	20.47	22.00	1.422	-	-	-0.07	0.468	0.666
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	DSI 7	23095	707.5	20.45	22.00	1.429	-	-	0.01	0.366	0.523
	LTE Band 12	10M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	23095	707.5	20.47	22.00	1.422	-	-	-0.02	0.135	0.192
	LTE Band 12	10M	QPSK	25	0	-	Left Side	5mm	Ant 1	DSI 7	23095	707.5	20.45	22.00	1.429	-	-	0.04	0.111	0.159
	LTE Band 12	10M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	23095	707.5	20.47	22.00	1.422	-	-	0.17	0.458	0.651
	LTE Band 12	10M	QPSK	25	0	-	Top Side	5mm	Ant 1	DSI 7	23095	707.5	20.45	22.00	1.429	-	-	0.06	0.352	0.503
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380	-	-	-0.11	0.669	0.923
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	DSI 7	23230	782	21.65	23.00	1.365	-	-	-0.16	0.552	0.753
	LTE Band 13	10M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 7	23230	782	21.64	23.00	1.368	-	-	-0.16	0.553	0.756
28	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380	-	-	0.01	0.885	<b>1.222</b>
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	DSI 7	23230	782	21.65	23.00	1.365	-	-	-0.16	0.723	0.987
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	23230	782	21.64	23.00	1.368	-	-	-0.17	0.736	1.007
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380	-	-	0.07	0.176	0.243
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 0	DSI 7	23230	782	21.65	23.00	1.365	-	-	-0.01	0.143	0.195
	LTE Band 13	10M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380	-	-	0.01	0.326	0.450
	LTE Band 13	10M	QPSK	25	0	-	Right Side	5mm	Ant 0	DSI 7	23230	782	21.65	23.00	1.365	-	-	0.13	0.268	0.366
	LTE Band 13	10M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380	-	-	0.12	0.534	0.737
	LTE Band 13	10M	QPSK	25	0	-	Bottom Side	5mm	Ant 0	DSI 7	23230	782	21.65	23.00	1.365	-	-	-0.1	0.435	0.594
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	23230	782	22.59	23.00	1.099	-	-	0.06	0.224	0.246
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	DSI 7	23230	782	22.33	23.00	1.167	-	-	0.04	0.184	0.215
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	23230	782	22.59	23.00	1.099	-	-	-0.01	0.461	0.507
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	DSI 7	23230	782	22.33	23.00	1.167	-	-	0.08	0.379	0.442
	LTE Band 13	10M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	23230	782	22.59	23.00	1.099	-	-	-0.18	0.165	0.181
	LTE Band 13	10M	QPSK	25	0	-	Left Side	5mm	Ant 1	DSI 7	23230	782	22.33	23.00	1.167	-	-	0.01	0.132	0.154
	LTE Band 13	10M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	23230	782	22.59	23.00	1.099	-	-	0.17	0.572	0.629
	LTE Band 13	10M	QPSK	25	0	-	Top Side	5mm	Ant 1	DSI 7	23230	782	22.33	23.00	1.167	-	-	0.05	0.471	0.550
<b>850MHz</b>																				
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	DSI 7	189	836.4	25.55	26.50	1.245	-	-	-0.1	0.771	0.960
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	DSI 7	128	824.2	25.48	26.50	1.265	-	-	-0.04	0.835	1.056
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	DSI 7	251	848.8	25.42	26.50	1.282	-	-	-0.1	0.789	1.012
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 7	189	836.4	25.55	26.50	1.245	-	-	0.04	0.918	1.142
29	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 7	128	824.2	25.48	26.50	1.265	-	-	-0.01	0.977	<b>1.236</b>
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	DSI 7	251	848.8	25.42	26.50	1.282	-	-	0.15	0.866	1.110
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 0	DSI 7	189	836.4	25.55	26.50	1.245	-	-	0.02	0.130	0.162
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Right Side	5mm	Ant 0	DSI 7	189	836.4	25.55	26.50	1.245	-	-	0.01	0.287	0.357
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	189	836.4	25.55	26.50	1.245	-	-	0.14	0.565	0.703
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	DSI 7	189	836.4	22.28	23.00	1.180	-	-	0.09	0.257	0.303





**FCC SAR Test Report**

**Report No. : FA320205**

	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	DSI 7	189	836.4	22.28	23.00	1.180	-	-	-0.08	0.563	0.665
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Left Side	5mm	Ant 1	DSI 7	189	836.4	22.28	23.00	1.180	-	-	-0.03	0.168	0.198
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	5mm	Ant 1	DSI 7	189	836.4	22.28	23.00	1.180	-	-	-0.08	0.501	0.591
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	4182	836.4	22.68	24.00	1.355	-	-	0.12	0.793	1.075
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	4132	826.4	22.36	24.00	1.459	-	-	0.17	0.730	1.065
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	4233	846.6	22.48	24.00	1.419	-	-	-0.06	0.789	1.120
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	4182	836.4	22.68	24.00	1.355	-	-	-0.02	0.918	1.244
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	4132	826.4	22.36	24.00	1.459	-	-	0.07	0.921	1.344
30	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	4233	846.6	22.48	24.00	1.419	-	-	0.01	0.954	1.354
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	4182	836.4	22.68	24.00	1.355	-	-	0.05	0.115	0.156
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	4182	836.4	22.68	24.00	1.355	-	-	-0.12	0.267	0.362
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	4182	836.4	22.68	24.00	1.355	-	-	0.04	0.652	0.884
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	4132	826.4	22.36	24.00	1.459	-	-	0.01	0.601	0.877
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	4233	846.6	22.48	24.00	1.419	-	-	0.06	0.589	0.836
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 7	4182	836.4	24.39	25.00	1.151	-	-	0.11	0.291	0.335
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 7	4182	836.4	24.39	25.00	1.151	-	-	0.05	0.550	0.633
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 7	4182	836.4	24.39	25.00	1.151	-	-	-0.13	0.245	0.282
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 7	4182	836.4	24.39	25.00	1.151	-	-	0.07	0.621	0.715
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334	-	-	-0.09	0.805	1.073
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 0	DSI 7	26865	831.5	21.71	23.00	1.346	-	-	0.01	0.630	0.848
	LTE Band 26	15M	QPSK	75	0	-	Front	5mm	Ant 0	DSI 7	26865	831.5	21.73	23.00	1.340	-	-	0.02	0.625	0.837
31	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334	-	-	-0.03	1.08	1.440
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 0	DSI 7	26865	831.5	21.71	23.00	1.346	-	-	0.03	0.852	1.147
	LTE Band 26	15M	QPSK	75	0	-	Back	5mm	Ant 0	DSI 7	26865	831.5	21.73	23.00	1.340	-	-	0.04	0.843	1.129
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334	-	-	0.18	0.117	0.156
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 0	DSI 7	26865	831.5	21.71	23.00	1.346	-	-	0.09	0.092	0.124
	LTE Band 26	15M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334	-	-	0.02	0.278	0.371
	LTE Band 26	15M	QPSK	36	0	-	Right Side	5mm	Ant 0	DSI 7	26865	831.5	21.71	23.00	1.346	-	-	0.16	0.219	0.295
	LTE Band 26	15M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334	-	-	0.05	0.664	0.885
	LTE Band 26	15M	QPSK	36	0	-	Bottom Side	5mm	Ant 0	DSI 7	26865	831.5	21.71	23.00	1.346	-	-	-0.07	0.520	0.700
	LTE Band 26	15M	QPSK	75	0	-	Bottom Side	5mm	Ant 0	DSI 7	26865	831.5	21.73	23.00	1.340	-	-	0.01	0.514	0.689
	LTE Band 26	15M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	26865	831.5	22.02	22.50	1.117	-	-	-0.02	0.262	0.293
	LTE Band 26	15M	QPSK	36	0	-	Front	5mm	Ant 1	DSI 7	26865	831.5	21.89	22.50	1.151	-	-	0.15	0.227	0.261
	LTE Band 26	15M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	26865	831.5	22.02	22.50	1.117	-	-	-0.06	0.565	0.631
	LTE Band 26	15M	QPSK	36	0	-	Back	5mm	Ant 1	DSI 7	26865	831.5	21.89	22.50	1.151	-	-	0.08	0.432	0.497
	LTE Band 26	15M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	26865	831.5	22.02	22.50	1.117	-	-	0.04	0.154	0.172
	LTE Band 26	15M	QPSK	36	0	-	Left Side	5mm	Ant 1	DSI 7	26865	831.5	21.89	22.50	1.151	-	-	-0.15	0.157	0.181
	LTE Band 26	15M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	26865	831.5	22.02	22.50	1.117	-	-	0.05	0.456	0.509
	LTE Band 26	15M	QPSK	36	0	-	Top Side	5mm	Ant 1	DSI 7	26865	831.5	21.89	22.50	1.151	-	-	-0.11	0.297	0.342
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	167300	836.5	22.96	24.00	1.271	-	-	0.11	0.561	0.713
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	167300	836.5	22.92	24.00	1.282	-	-	0.18	0.547	0.701
32	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	167300	836.5	22.96	24.00	1.271	-	-	-0.08	0.717	0.911
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	167300	836.5	22.92	24.00	1.282	-	-	-0.08	0.654	0.839
	FR1 n5	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	167300	836.5	21.83	23.00	1.309	-	-	-0.08	0.567	0.742
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 7	167300	836.5	22.96	24.00	1.271	-	-	0.03	0.085	0.108
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 7	167300	836.5	22.92	24.00	1.282	-	-	0.11	0.083	0.106
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	167300	836.5	22.96	24.00	1.271	-	-	0.11	0.209	0.266
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	167300	836.5	22.92	24.00	1.282	-	-	0.16	0.197	0.253
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	167300	836.5	22.96	24.00	1.271	-	-	0.1	0.473	0.601
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	167300	836.5	22.92	24.00	1.282	-	-	-0.15	0.481	0.617
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 7	167300	836.5	23.45	24.00	1.135	-	-	-0.14	0.275	0.312
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 7	167300	836.5	23.41	24.00	1.146	-	-	0.06	0.245	0.281
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 7	167300	836.5	23.45	24.00	1.135	-	-	-0.18	0.472	0.536
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 7	167300	836.5	23.41	24.00	1.146	-	-	-0.05	0.456	0.522
	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	167300	836.5	23.45	24.00	1.135	-	-	0.01	0.201	0.228
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	167300	836.5	23.41	24.00	1.146	-	-	0.05	0.151	0.173



# FCC SAR Test Report

Report No. : FA320205

	FR1 n5	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 7	167300	836.5	23.45	24.00	1.135	-	-	0.05	0.529	0.600
	FR1 n5	20M	QPSK	50	28	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 7	167300	836.5	23.41	24.00	1.146	-	-	0.19	0.425	0.487
<b>1750MHz</b>																				
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 7	1413	1732.6	15.42	17.00	1.439	-	-	-0.05	0.497	0.715
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	1413	1732.6	15.42	17.00	1.439	-	-	0.13	0.601	0.865
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	1312	1712.4	15.40	17.00	1.445	-	-	0.09	0.532	0.769
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 7	1513	1752.6	15.33	17.00	1.469	-	-	0.03	0.687	1.009
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	1413	1732.6	15.42	17.00	1.439	-	-	0.05	0.017	0.024
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	1413	1732.6	15.42	17.00	1.439	-	-	0.17	0.058	0.083
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1413	1732.6	15.42	17.00	1.439	-	-	-0.02	0.821	1.181
33	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1312	1712.4	15.40	17.00	1.445	-	-	0.06	0.877	1.268
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1513	1752.6	15.33	17.00	1.469	-	-	0.08	0.769	1.130
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	DSI 7	1413	1732.6	15.80	17.00	1.318	-	-	0.06	0.305	0.402
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	DSI 7	1413	1732.6	15.80	17.00	1.318	-	-	0.08	0.489	0.645
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Left Side	5mm	Ant 1	DSI 7	1413	1732.6	15.80	17.00	1.318	-	-	0.01	0.118	0.156
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	5mm	Ant 1	DSI 7	1413	1732.6	15.80	17.00	1.318	-	-	-0.14	0.501	0.660
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	132322	1745	14.64	16.00	1.368	-	-	-0.06	0.544	0.744
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 7	132322	1745	14.59	16.00	1.384	-	-	-0.17	0.462	0.639
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	132322	1745	14.64	16.00	1.368	-	-	0.13	0.656	0.897
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	132072	1720	14.63	16.00	1.371	-	-	0.05	0.661	0.906
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	132572	1770	14.63	16.00	1.371	-	-	0.01	0.629	0.862
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	132322	1745	14.59	16.00	1.384	-	-	-0.16	0.655	0.906
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	132072	1720	14.55	16.00	1.396	-	-	0.13	0.671	0.937
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	132572	1770	14.52	16.00	1.406	-	-	0.04	0.606	0.852
	LTE Band 66	20M	QPSK	100	0	-	Back	5mm	Ant 0	DSI 7	132322	1745	14.54	16.00	1.400	-	-	0.05	0.556	0.778
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	132322	1745	14.64	16.00	1.368	-	-	0.04	0.022	0.030
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 7	132322	1745	14.59	16.00	1.384	-	-	0.03	0.017	0.024
	LTE Band 66	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	132322	1745	14.64	16.00	1.368	-	-	0.17	0.072	0.098
	LTE Band 66	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 7	132322	1745	14.59	16.00	1.384	-	-	-0.03	0.062	0.086
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132322	1745	14.64	16.00	1.368	-	-	-0.11	0.891	1.219
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132072	1720	14.63	16.00	1.371	-	-	-0.17	0.828	1.135
34	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	132572	1770	14.63	16.00	1.371	-	-	-0.01	1.00	1.371
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	132322	1745	14.59	16.00	1.384	-	-	-0.11	0.877	1.213
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	132072	1720	14.55	16.00	1.396	-	-	0.03	0.819	1.144
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	132572	1770	14.52	16.00	1.406	-	-	0.15	0.877	1.233
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 7	132322	1745	14.54	16.00	1.400	-	-	-0.12	0.875	1.225
	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	132322	1745	15.17	16.00	1.211	-	-	0.08	0.325	0.393
	LTE Band 66	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	132322	1745	15.10	16.00	1.230	-	-	0.01	0.317	0.390
	LTE Band 66	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	132322	1745	15.17	16.00	1.211	-	-	0.07	0.476	0.576
	LTE Band 66	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	132322	1745	15.10	16.00	1.230	-	-	-0.14	0.402	0.495
	LTE Band 66	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	132322	1745	15.17	16.00	1.211	-	-	0.08	0.120	0.145
	LTE Band 66	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 7	132322	1745	15.10	16.00	1.230	-	-	-0.03	0.093	0.114
	LTE Band 66	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	132322	1745	15.17	16.00	1.211	-	-	-0.04	0.528	0.639
	LTE Band 66 Other PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	132322	1745	16.10	17.00	1.230	-	-	0.09	0.511	0.629
	LTE Band 66	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 7	132322	1745	15.10	16.00	1.230	-	-	-0.15	0.405	0.498
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	349000	1745	15.51	17.00	1.409	-	-	0.07	0.591	0.833
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	349000	1745	15.43	17.00	1.435	-	-	0.12	0.614	0.881
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	349000	1745	15.39	17.00	1.449	-	-	0.01	0.587	0.850
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	349000	1745	15.51	17.00	1.409	-	-	0.05	0.744	1.049
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	349000	1745	15.43	17.00	1.435	-	-	-0.01	0.760	1.091
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	349000	1745	15.39	17.00	1.449	-	-	0.02	0.742	1.075
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 7	349000	1745	15.51	17.00	1.409	-	-	-0.05	0.021	0.030
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 7	349000	1745	15.43	17.00	1.435	-	-	0.05	0.028	0.040
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	349000	1745	15.51	17.00	1.409	-	-	0.07	0.071	0.100
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	349000	1745	15.43	17.00	1.435	-	-	0.09	0.078	0.112
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	349000	1745	15.51	17.00	1.409	-	-	-0.15	0.951	1.340



FCC SAR Test Report

Report No. : FA320205

Table with columns for test parameters (e.g., FR1 n66, 40M, QPSK, 108, 54, DFT-SCS-15KHz) and SAR values. Includes sub-sections for 1900MHz, WCDMA II, and LTE Band 2. Values range from 0.07 to 1.435.



**FCC SAR Test Report**

**Report No. : FA320205**

	LTE Band 2	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	18900	1880	15.03	16.00	1.250	-	-	0.02	0.259	0.324
	LTE Band 2	20M	QPSK	1	0	-	Back	5mm	Ant 1	DSI 7	18900	1880	15.05	16.00	1.245	-	-	-0.05	0.447	0.556
	LTE Band 2	20M	QPSK	50	0	-	Back	5mm	Ant 1	DSI 7	18900	1880	15.03	16.00	1.250	-	-	0.06	0.350	0.438
	LTE Band 2	20M	QPSK	1	0	-	Left Side	5mm	Ant 1	DSI 7	18900	1880	15.05	16.00	1.245	-	-	0.17	0.083	0.103
	LTE Band 2	20M	QPSK	50	0	-	Left Side	5mm	Ant 1	DSI 7	18900	1880	15.03	16.00	1.250	-	-	0.1	0.068	0.085
	LTE Band 2	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	18900	1880	15.05	16.00	1.245	-	-	0.02	0.540	0.672
	LTE Band 2 Othher PA	20M	QPSK	1	0	-	Top Side	5mm	Ant 1	DSI 7	18900	1880	16.13	17.00	1.222	-	-	0.08	0.498	0.608
	LTE Band 2	20M	QPSK	50	0	-	Top Side	5mm	Ant 1	DSI 7	18900	1880	15.03	16.00	1.250	-	-	0.03	0.425	0.531
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	376000	1880	14.69	16.00	1.352	-	-	-0.07	0.474	0.641
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 0	DSI 7	376000	1880	14.64	16.00	1.368	-	-	0.02	0.470	0.643
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	376000	1880	14.69	16.00	1.352	-	-	0.03	0.575	0.777
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 0	DSI 7	376000	1880	14.64	16.00	1.368	-	-	0.01	0.580	0.793
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 7	376000	1880	14.69	16.00	1.352	-	-	0.17	0.018	0.024
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	5mm	Ant 0	DSI 7	376000	1880	14.64	16.00	1.368	-	-	0.05	0.020	0.027
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	376000	1880	14.69	16.00	1.352	-	-	0.02	0.067	0.091
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Right Side	5mm	Ant 0	DSI 7	376000	1880	14.64	16.00	1.368	-	-	0.03	0.057	0.078
39	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	376000	1880	14.69	16.00	1.352	-	-	-0.05	0.972	<b>1.314</b>
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	372000	1860	14.56	16.00	1.393	-	-	0.01	0.912	1.271
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	380000	1900	14.51	16.00	1.409	-	-	0.06	0.904	1.274
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	376000	1880	14.64	16.00	1.368	-	-	0.04	0.938	1.283
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	372000	1860	14.52	16.00	1.406	-	-	0.01	0.897	1.261
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	380000	1900	14.52	16.00	1.406	-	-	0.09	0.857	1.205
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Bottom Side	5mm	Ant 0	DSI 7	376000	1880	14.60	16.00	1.380	-	-	0.11	0.878	1.212
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 7	376000	1880	16.83	17.50	1.167	-	-	0.17	0.289	0.337
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	DSI 7	376000	1880	16.81	17.50	1.172	-	-	0.01	0.294	0.345
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 7	376000	1880	16.83	17.50	1.167	-	-	-0.11	0.387	0.452
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	DSI 7	376000	1880	16.81	17.50	1.172	-	-	0.07	0.392	0.460
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	376000	1880	16.83	17.50	1.167	-	-	0.09	0.086	0.100
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Left Side	5mm	Ant 1	DSI 7	376000	1880	16.81	17.50	1.172	-	-	-0.06	0.084	0.098
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 7	376000	1880	16.83	17.50	1.167	-	-	0.15	0.471	0.550
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Top Side	5mm	Ant 1	DSI 7	376000	1880	16.81	17.50	1.172	-	-	0.05	0.546	0.640
<b>2600MHz</b>																				
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	DSI 7	21100	2535	16.91	18.00	1.285	-	-	0.04	0.448	0.576
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	DSI 7	21100	2535	16.80	18.00	1.318	-	-	0.05	0.358	0.472
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	21100	2535	16.91	18.00	1.285	-	-	0.01	0.820	1.054
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	20850	2510	16.73	18.00	1.340	-	-	0.19	0.653	0.875
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	DSI 7	21350	2560	16.61	18.00	1.377	-	-	-0.15	0.789	1.087
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	21100	2535	16.80	18.00	1.318	-	-	0.07	0.653	0.861
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	DSI 7	21350	2560	16.56	18.00	1.393	-	-	-0.16	0.760	1.059
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	DSI 7	21100	2535	16.77	18.00	1.327	-	-	0.02	0.643	0.854
	LTE Band 7	20M	QPSK	1	0	-	Left Side	5mm	Ant 0	DSI 7	21100	2535	16.91	18.00	1.285	-	-	-0.06	0.039	0.050
	LTE Band 7	20M	QPSK	50	0	-	Left Side	5mm	Ant 0	DSI 7	21100	2535	16.80	18.00	1.318	-	-	-0.08	0.029	0.038
	LTE Band 7	20M	QPSK	1	0	-	Right Side	5mm	Ant 0	DSI 7	21100	2535	16.91	18.00	1.285	-	-	-0.1	0.034	0.044
	LTE Band 7	20M	QPSK	50	0	-	Right Side	5mm	Ant 0	DSI 7	21100	2535	16.80	18.00	1.318	-	-	0.1	0.030	0.040
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	21100	2535	16.91	18.00	1.285	-	-	0.02	0.953	1.225
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	20850	2510	16.73	18.00	1.340	-	-	-0.19	0.856	1.147
40	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	21350	2560	16.61	18.00	1.377	-	-	0.07	0.987	<b>1.359</b>
	LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	5mm	Ant 0	DSI 7	21350+ 21152	2560+ 2540.2	16.55	18.00	1.396	-	-	0.01	0.854	1.192
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	21100	2535	16.80	18.00	1.318	-	-	0.08	0.762	1.005
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	20850	2510	16.65	18.00	1.365	-	-	0.16	0.673	0.918
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	5mm	Ant 0	DSI 7	21350	2560	16.56	18.00	1.393	-	-	-0.02	0.781	1.088
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	5mm	Ant 0	DSI 7	21100	2535	16.77	18.00	1.327	-	-	0.04	0.750	0.996
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	DSI 7	21100	2535	14.52	16.00	1.406	-	-	0.02	0.232	0.326
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	DSI 7	21100	2535	14.52	16.00	1.406	-	-	-0.04	0.185	0.260





Table with columns: LTE Band, Modulation, Power, etc. Row 41 is highlighted with a yellow background.



Table with columns: Model, Power, Modulation, Channels, Frequency, Direction, Distance, Antenna, Power Density, etc. Includes rows for FR1 n7, FR1 n41, LTE Band 42, and FR1 n77.



	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 4	DSI 7	656000	3840	16.43	17.00	1.140	-	-	0.04	0.357	0.407
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	DSI 7	656000	3840	16.30	17.00	1.175	-	-	-0.19	0.395	0.464
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 4	DSI 7	656000	3840	16.43	17.00	1.140	-	-	-0.01	0.060	0.068
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 4	DSI 7	656000	3840	16.30	17.00	1.175	-	-	0.06	0.077	0.090
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 4	DSI 7	656000	3840	16.43	17.00	1.140	-	-	-0.02	0.563	0.642
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	DSI 7	656000	3840	16.30	17.00	1.175	-	-	0.04	0.607	0.713
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	DSI 7	656000	3840	16.49	17.50	1.262	-	-	0.01	0.400	0.505
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	DSI 7	656000	3840	16.46	17.50	1.271	-	-	-0.08	0.462	0.587
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	DSI 7	656000	3840	16.49	17.50	1.262	-	-	0.02	0.455	0.574
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	DSI 7	656000	3840	16.46	17.50	1.271	-	-	0.15	0.533	0.677
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 5	DSI 7	656000	3840	16.49	17.50	1.262	-	-	0.06	0.190	0.240
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	DSI 7	656000	3840	16.46	17.50	1.271	-	-	0.01	0.214	0.272
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 5	DSI 7	656000	3840	16.49	17.50	1.262	-	-	0.1	0.543	0.685
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 5	DSI 7	656000	3840	16.46	17.50	1.271	-	-	0.19	0.573	0.728
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 7	DSI 7	656000	3840	19.10	20.00	1.230	-	-	0.08	0.338	0.416
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	DSI 7	656000	3840	19.00	20.00	1.259	-	-	-0.08	0.502	0.632
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 7	656000	3840	19.10	20.00	1.230	-	-	-0.12	0.424	0.522
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	DSI 7	656000	3840	19.00	20.00	1.259	-	-	-0.07	0.612	0.770
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 7	656000	3840	19.10	20.00	1.230	-	-	0.09	0.668	0.822
45	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 7	656000	3840	19.00	20.00	1.259	-	-	-0.07	0.929	1.170
	FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	5mm	Ant 7	DSI 7	656000	3840	18.98	20.00	1.265	-	-	-0.03	0.758	0.959
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	5mm	Ant 7	DSI 7	656000	3840	19.10	20.00	1.230	-	-	0.09	0.294	0.362
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	5mm	Ant 7	DSI 7	656000	3840	19.00	20.00	1.259	-	-	-0.16	0.364	0.458
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 4	DSI 7	650000	3750	16.25	17.00	1.189	-	-	-0.06	0.312	0.371
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	DSI 7	650000	3750	16.21	17.00	1.199	-	-	-0.17	0.362	0.434
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 4	DSI 7	650000	3750	16.25	17.00	1.189	-	-	0.02	0.347	0.412
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	DSI 7	650000	3750	16.21	17.00	1.199	-	-	-0.05	0.385	0.462
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 4	DSI 7	650000	3750	16.25	17.00	1.189	-	-	-0.05	0.071	0.084
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 4	DSI 7	650000	3750	16.21	17.00	1.199	-	-	-0.14	0.095	0.114
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 4	DSI 7	650000	3750	16.25	17.00	1.189	-	-	0.09	0.515	0.612
46	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 4	DSI 7	650000	3750	16.21	17.00	1.199	-	-	0.02	0.622	0.746
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	DSI 7	650000	3750	16.45	17.50	1.274	-	-	0.14	0.281	0.358
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	DSI 7	650000	3750	16.40	17.50	1.288	-	-	0.03	0.337	0.434
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	DSI 7	650000	3750	16.45	17.50	1.274	-	-	0.04	0.298	0.380
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	DSI 7	650000	3750	16.40	17.50	1.288	-	-	-0.08	0.427	0.550
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	5mm	Ant 5	DSI 7	650000	3750	16.45	17.50	1.274	-	-	0.08	0.190	0.242
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	5mm	Ant 5	DSI 7	650000	3750	16.40	17.50	1.288	-	-	-0.17	0.263	0.339
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	5mm	Ant 5	DSI 7	650000	3750	16.45	17.50	1.274	-	-	0.16	0.434	0.553
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	5mm	Ant 5	DSI 7	650000	3750	16.40	17.50	1.288	-	-	0.05	0.477	0.614



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>2450MHZ</b>																
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	14.42	16.00	1.439	99.47	1.005	-0.11	0.184	0.266
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	14.42	16.00	1.439	99.47	1.005	0.04	0.288	0.416
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	14.42	16.00	1.439	99.47	1.005	-0.05	0.262	0.379
47	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	14.42	16.00	1.439	99.47	1.005	0.03	0.476	<b>0.688</b>
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	WWAN + non DBS	1	2412	14.57	16.00	1.390	99.47	1.005	0.08	0.108	0.151
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	WWAN + non DBS	1	2412	14.57	16.00	1.390	99.47	1.005	-0.01	0.255	0.356
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 6	WWAN + non DBS	1	2412	14.57	16.00	1.390	99.47	1.005	0.05	0.376	0.525
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 6	WWAN + non DBS	1	2412	14.57	16.00	1.390	99.47	1.005	0.18	0.030	0.042
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	WWAN + DBS	1	2412	12.59	14.00	1.384	99.47	1.005	0.08	0.072	0.100
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	WWAN + DBS	1	2412	12.59	14.00	1.384	99.47	1.005	-0.01	0.181	0.252
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 6	WWAN + DBS	1	2412	12.59	14.00	1.384	99.47	1.005	0.01	0.217	0.302
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 6	WWAN + DBS	1	2412	12.59	14.00	1.384	99.47	1.005	0.18	0.031	0.043
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	WWAN + non DBS	6	2437	14.51	16.00	1.409	99.47	1.005	0.02	0.188	0.266
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	WWAN + non DBS	6	2437	14.51	16.00	1.409	99.47	1.005	0.01	0.294	0.416
	WLAN2.4GHz	802.11b 1Mbps	Right Side	5mm	Ant 3	WWAN + non DBS	6	2437	14.51	16.00	1.409	99.47	1.005	0.03	0.048	0.068
	WLAN2.4GHz	802.11b 1Mbps	Top Side	5mm	Ant 3	WWAN + non DBS	6	2437	14.51	16.00	1.409	99.47	1.005	0.01	0.475	0.673
	Bluetooth	1Mbps	Front	5mm	Ant 6	Full Power	39	2441	11.15	12.00	1.215	76.86	1.084	0.06	0.087	0.115
	Bluetooth	1Mbps	Back	5mm	Ant 6	Full Power	39	2441	11.15	12.00	1.215	76.86	1.084	0.03	0.088	0.116
	Bluetooth	1Mbps	Left Side	5mm	Ant 6	Full Power	39	2441	11.15	12.00	1.215	76.86	1.084	0.06	0.001	0.001
48	Bluetooth	1Mbps	Right Side	5mm	Ant 6	Full Power	39	2441	11.15	12.00	1.215	76.86	1.084	0.08	0.120	<b>0.158</b>
	Bluetooth	1Mbps	Top Side	5mm	Ant 6	Full Power	39	2441	11.15	12.00	1.215	76.86	1.084	0.06	0.011	0.014
<b>5000MHZ</b>																
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4	WWAN + non DBS	42	5210	14.73	16.30	1.437	88.23	1.133	0.07	0.200	0.326
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4	WWAN + non DBS	42	5210	14.73	16.30	1.437	88.23	1.133	0.17	0.199	0.324
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+4	WWAN + non DBS	42	5210	14.73	16.30	1.437	88.23	1.133	0.17	0.080	0.130
49	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+4	WWAN + non DBS	42	5210	14.73	16.30	1.437	88.23	1.133	0.01	0.397	<b>0.646</b>
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	WWAN + non DBS	42	5210	11.95	13.50	1.429	88.23	1.133	0.04	0.161	0.261
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	WWAN + non DBS	42	5210	11.95	13.50	1.429	88.23	1.133	0.03	0.199	0.322
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5	WWAN + non DBS	42	5210	11.95	13.50	1.429	88.23	1.133	-0.17	0.055	0.089
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5	WWAN + non DBS	42	5210	11.95	13.50	1.429	88.23	1.133	0.01	0.359	0.581
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	WWAN + DBS	42	5210	10.17	11.50	1.358	88.23	1.133	-0.04	0.096	0.148
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	WWAN + DBS	42	5210	10.17	11.50	1.358	88.23	1.133	0.03	0.176	0.271
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5	WWAN + DBS	42	5210	10.17	11.50	1.358	88.23	1.133	0.04	0.069	0.106
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5	WWAN + DBS	42	5210	10.17	11.50	1.358	88.23	1.133	0.03	0.227	0.349
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	12.28	14.00	1.486	88.23	1.133	0.14	0.150	0.253
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	12.28	14.00	1.486	88.23	1.133	0.12	0.231	0.389
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	12.28	14.00	1.486	88.23	1.133	-0.09	0.207	0.348
50	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5+4 (4)	WWAN + non DBS	155	5775	12.28	14.00	1.486	88.23	1.133	0.05	0.410	<b>0.690</b>
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	WWAN + non DBS	155	5775	11.95	13.50	1.429	88.23	1.133	0.16	0.137	0.222
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	WWAN + non DBS	155	5775	11.95	13.50	1.429	88.23	1.133	0.05	0.152	0.246
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5	WWAN + non DBS	155	5775	11.95	13.50	1.429	88.23	1.133	0.05	0.201	0.325
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5	WWAN + non DBS	155	5775	11.95	13.50	1.429	88.23	1.133	0.01	0.355	0.575
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	WWAN + DBS	155	5775	9.33	10.50	1.309	88.23	1.133	0.07	0.088	0.131
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	WWAN + DBS	155	5775	9.33	10.50	1.309	88.23	1.133	-0.01	0.143	0.212
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	5mm	Ant 5	WWAN + DBS	155	5775	9.33	10.50	1.309	88.23	1.133	0.03	0.195	0.289
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	5mm	Ant 5	WWAN + DBS	155	5775	9.33	10.50	1.309	88.23	1.133	0.02	0.247	0.366



**15.3 Body Worn Accessory SAR**

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	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 1g SAR (W/kg)	Reported 1g SAR (W/kg)
<b>750MHz</b>																					
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	23095	707.5	22.73	24.00	1.340	-	-	-0.13	0.545	0.730
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI 3	23095	707.5	21.59	23.00	1.384	-	-	0.09	0.442	0.612
51	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	22.73	24.00	1.340	-	-	-0.07	0.824	<b>1.104</b>
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	21.59	23.00	1.384	-	-	0.07	0.649	0.898
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	23095	707.5	21.53	23.00	1.403	-	-	-0.14	0.646	0.906
	LTE Band 12	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	23095	707.5	22.57	24.00	1.390	-	-	0.07	0.222	0.309
	LTE Band 12	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	DSI 3	23095	707.5	21.56	23.00	1.393	-	-	0.07	0.177	0.247
	LTE Band 12	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	23095	707.5	22.57	24.00	1.390	-	-	-0.07	0.647	0.899
	LTE Band 12	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	DSI 3	23095	707.5	21.56	23.00	1.393	-	-	0.01	0.512	0.713
	LTE Band 12	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	23095	707.5	21.53	23.00	1.403	-	-	0.13	0.510	0.715
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	23230	782	22.60	24.00	1.380	-	-	-0.11	0.669	0.923
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 0	-	DSI 3	23230	782	21.65	23.00	1.365	-	-	-0.16	0.552	0.753
	LTE Band 13	10M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	23230	782	21.64	23.00	1.368	-	-	-0.16	0.553	0.756
52	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	23230	782	22.60	24.00	1.380	-	-	0.01	0.885	<b>1.222</b>
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	23230	782	22.60	24.00	1.380	-	-	0.01	0.835	1.153
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 0	-	DSI 3	23230	782	21.65	23.00	1.365	-	-	-0.16	0.723	0.987
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	23230	782	21.64	23.00	1.368	-	-	-0.17	0.736	1.007
	LTE Band 13	10M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	23230	782	23.52	24.00	1.117	-	-	0.06	0.389	0.434
	LTE Band 13	10M	QPSK	25	0	-	Front	5mm	Ant 1	-	DSI 3	23230	782	22.33	23.00	1.167	-	-	0.04	0.320	0.373
	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	23230	782	23.52	24.00	1.117	-	-	-0.01	0.802	0.896
	LTE Band 13	10M	QPSK	25	0	-	Back	5mm	Ant 1	-	DSI 3	23230	782	22.33	23.00	1.167	-	-	0.08	0.660	0.770
	LTE Band 13	10M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	23230	782	22.35	23.00	1.161	-	-	-0.1	0.677	0.786
<b>850MHz</b>																					
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3	189	836.4	25.55	26.50	1.245	-	-	-0.1	0.771	0.960
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3	128	824.2	25.48	26.50	1.265	-	-	-0.04	0.835	1.056
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 0	-	DSI 3	251	848.8	25.42	26.50	1.282	-	-	-0.1	0.789	1.012
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3	189	836.4	25.55	26.50	1.245	-	-	0.04	0.918	1.142
53	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3	128	824.2	25.48	26.50	1.265	-	-	-0.01	0.977	<b>1.236</b>
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	Headset	DSI 3	128	824.2	25.48	26.50	1.265	-	-	-0.01	0.932	1.179
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	-	DSI 3	251	848.8	25.42	26.50	1.282	-	-	0.15	0.866	1.110
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	21mm	Ant 0	-	DSI 4	189	836.4	28.21	29.50	1.346	-	-	0.01	0.289	0.389
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	22mm	Ant 0	-	DSI 4	189	836.4	28.21	29.50	1.346	-	-	0.09	0.262	0.353
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	-	DSI 3	189	836.4	25.98	26.50	1.127	-	-	0.09	0.462	0.521
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	-	DSI 3	189	836.4	25.98	26.50	1.127	-	-	0.09	0.889	1.002
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	-	DSI 3	128	824.2	25.88	26.50	1.153	-	-	-0.04	1.01	1.165
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	Headset	DSI 3	128	824.2	25.88	26.50	1.153	-	-	-0.04	0.932	1.075
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	-	DSI 3	251	848.8	25.83	26.50	1.167	-	-	-0.12	0.875	1.021
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	21mm	Ant 1	-	DSI 4	189	836.4	28.55	29.50	1.245	-	-	0.15	0.253	0.315
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	22mm	Ant 1	-	DSI 4	189	836.4	28.55	29.50	1.245	-	-	0.12	0.241	0.300
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	4182	836.4	22.68	24.00	1.355	-	-	0.12	0.793	1.075
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	4132	826.4	22.36	24.00	1.459	-	-	0.17	0.730	1.065
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 0	-	DSI 3	4233	846.6	22.48	24.00	1.419	-	-	-0.06	0.789	1.120
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4182	836.4	22.68	24.00	1.355	-	-	-0.02	0.918	1.244
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4132	826.4	22.36	24.00	1.459	-	-	0.07	0.921	1.344
54	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	-	DSI 3	4233	846.6	22.48	24.00	1.419	-	-	0.01	0.954	<b>1.354</b>
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	4233	846.6	22.48	24.00	1.419	-	-	-0.03	0.937	1.330
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	21mm	Ant 0	-	DSI 4	4182	836.4	23.38	25.00	1.452	-	-	-0.18	0.150	0.218
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	22mm	Ant 0	-	DSI 4	4182	836.4	23.38	25.00	1.452	-	-	0.06	0.139	0.202
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	DSI 3	4182	836.4	24.39	25.00	1.151	-	-	0.11	0.291	0.335
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	DSI 3	4182	836.4	24.39	25.00	1.151	-	-	0.05	0.550	0.633





FCC SAR Test Report

Report No. : FA320205

Table with columns for band, power, modulation, etc. Includes rows for LTE Band 66, FR1 n66, GSM1900, and WCDMA II. A yellow highlight is present at row 59, column 21, with value 1.336.



Table with columns for radio technology (WCDMA II, LTE Band 2, FR1 n2), modulation (QPSK), power (20M), bandwidth (1, 50, 100), frequency (12.2Kbps, 15KHz), antenna type (Back, Front), antenna size (5mm, 21mm, 22mm), antenna position (Ant 0, Ant 1), SAR metric (DSI 3, DSI 4), and SAR values (E1, E2, E3, E4).





FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	376000	1880	19.31	20.00	1.172	-	-	0.01	0.757	0.887	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	372000	1860	19.20	20.00	1.202	-	-	-0.01	0.734	0.882	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	380000	1900	19.26	20.00	1.186	-	-	0.07	0.735	0.872	
FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	DSI 3	376000	1880	19.26	20.00	1.186	-	-	-0.08	0.744	0.882	
FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	376000	1880	19.35	20.00	1.161	-	-	0.04	0.721	0.837	
FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	372000	1860	19.27	20.00	1.183	-	-	-0.11	0.734	0.868	
FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	380000	1900	19.23	20.00	1.194	-	-	0.08	0.695	0.830	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	376000	1880	19.31	20.00	1.172	-	-	0.17	0.764	0.896	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	372000	1860	19.20	20.00	1.202	-	-	0.07	0.743	0.893	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	380000	1900	19.26	20.00	1.186	-	-	-0.01	0.845	1.002	
FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	DSI 3	376000	1880	19.26	20.00	1.186	-	-	0.02	0.731	0.867	
FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	21mm	Ant 1	-	DSI 4	376000	1880	22.30	23.00	1.175	-	-	-0.05	0.092	0.108	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	21mm	Ant 1	-	DSI 4	376000	1880	22.26	23.00	1.186	-	-	0.04	0.113	0.134	
FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	22mm	Ant 1	-	DSI 4	376000	1880	22.30	23.00	1.175	-	-	0.18	0.122	0.143	
FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	22mm	Ant 1	-	DSI 4	376000	1880	22.26	23.00	1.186	-	-	-0.18	0.134	0.159	
<b>2600MHz</b>																					
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	21100	2535	17.55	18.50	1.245	-	-	0.04	0.450	0.560	
LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	21100	2535	17.52	18.50	1.253	-	-	0.05	0.360	0.451	
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	21100	2535	17.55	18.50	1.245	-	-	0.01	0.825	1.027	
LTE Band 7C	20M	QPSK	1	99	-	Back	5mm	Ant 0	-	DSI 3	21100 +21298	2535 +2554.8	17.34	18.50	1.306	-	-	0.06	0.782	1.021	
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	20850	2510	17.36	18.50	1.300	-	-	0.19	0.787	1.023	
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	21350	2560	17.23	18.50	1.340	-	-	-0.15	0.753	1.009	
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	21100	2535	17.52	18.50	1.253	-	-	0.07	0.798	1.000	
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	20850	2510	17.43	18.50	1.279	-	-	0.08	0.798	1.021	
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	21350	2560	17.30	18.50	1.318	-	-	-0.16	0.764	1.007	
LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 0	-	DSI 3	21100	2535	17.51	18.50	1.256	-	-	0.02	0.797	1.001	
LTE Band 7	20M	QPSK	1	0	-	Front	21mm	Ant 0	-	DSI 4	21100	2535	23.09	24.00	1.233	-	-	0.08	0.204	0.252	
LTE Band 7	20M	QPSK	1	0	-	Back	22mm	Ant 0	-	DSI 4	21100	2535	23.09	24.00	1.233	-	-	-0.13	0.208	0.256	
LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	16.51	18.00	1.409	-	-	0.02	0.398	0.561	
LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	DSI 3	21100	2535	16.48	18.00	1.419	-	-	-0.04	0.317	0.450	
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	16.51	18.00	1.409	-	-	-0.11	0.779	1.098	
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	20850	2510	16.47	18.00	1.422	-	-	-0.16	0.759	1.080	
64	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	16.39	18.00	1.449	-	-	-0.01	0.805	1.166
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	13.61	15.00	1.377	-	-	-0.01	0.402	0.554	
LTE Band 7 Other PA	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	14.15	15.00	1.216	-	-	-0.07	0.774	0.941	
LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	DSI 3	21350 +21152	2560 +2540.2	16.04	18.00	1.570	-	-	0.03	0.725	1.139	
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	16.48	18.00	1.419	-	-	-0.03	0.758	1.076	
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	20850	2510	16.44	18.00	1.432	-	-	-0.14	0.719	1.030	
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	DSI 3	21350	2560	16.35	18.00	1.462	-	-	0.09	0.748	1.094	
LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	DSI 3	21100	2535	16.42	18.00	1.439	-	-	0.03	0.770	1.108	
LTE Band 7	20M	QPSK	1	0	-	Front	21mm	Ant 1	-	DSI 4	21100	2535	22.57	24.00	1.390	-	-	-0.06	0.064	0.089	
LTE Band 7	20M	QPSK	1	0	-	Back	22mm	Ant 1	-	DSI 4	21100	2535	22.57	24.00	1.390	-	-	-0.08	0.119	0.165	
LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 0	-	DSI 3	40620	2593	17.66	19.00	1.361	62.9	1.006	0.06	0.340	0.466	
LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 0	-	DSI 3	40620	2593	17.54	19.00	1.400	62.9	1.006	0.04	0.268	0.377	
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	40620	2593	17.66	19.00	1.361	62.9	1.006	0.04	0.771	1.056	
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	39750	2506	17.61	19.00	1.377	62.9	1.006	0.09	0.658	0.912	
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	40185	2549.5	17.47	19.00	1.422	62.9	1.006	0.17	0.642	0.919	
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	41055	2636.5	17.39	19.00	1.449	62.9	1.006	0.02	0.828	1.207	
65	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	41490	2680	17.51	19.00	1.409	62.9	1.006	-0.05	0.873	1.238
LTE Band 41C	20M	QPSK	1	0	-	Back	5mm	Ant 0	-	DSI 3	41490 +41492	2680 +2660.2	17.21	19.00	1.510	62.9	1.006	0.09	0.781	1.186	
LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 0	Headset	DSI 3	41490	2680	17.51	19.00	1.409	62.9	1.006	-0.01	0.852	1.208	
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	40620	2593	17.54	19.00	1.400	62.9	1.006	-0.15	0.713	1.004	
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	39750	2506	17.42	19.00	1.439	62.9	1.006	0.02	0.736	1.065	
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	40185	2549.5	17.29	19.00	1.483	62.9	1.006	0.14	0.748	1.116	
LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 0	-	DSI 3	41055	2636.5	17.22	19.00	1.507	62.9	1.006	0.07	0.792	1.200	



Table with columns for Band, Power, Modulation, etc. Includes rows for LTE Bands 41, 38, and FR1 n7/n41 with various test parameters and SAR values.





# FCC SAR Test Report

Report No. : FA320205

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	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)	Measure d 1g SAR (W/kg)	Reported 1g SAR (W/kg)				
2450MHZ																					
FR1 n77	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	DSI 4	656000	3840	20.94	22.00	1.276	-	-	0.07	0.755	0.964	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI 3	650000	3750	18.76	19.50	1.186	-	-	-0.06	0.523	0.620	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	DSI 3	650000	3750	18.72	19.50	1.197	-	-	-0.17	0.614	0.735	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI 3	650000	3750	18.76	19.50	1.186	-	-	0.02	0.631	0.748	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI 3	650000	3750	18.72	19.50	1.197	-	-	-0.05	<b>0.769</b>	0.920	
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	DSI 3	650000	3750	18.54	19.50	1.247	-	-	0.03	0.684	0.853	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Front	21mm	Ant 4	-	DSI 4	650000	3750	25.20	26.00	1.202	-	-	0.09	0.134	0.161	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	21mm	Ant 4	-	DSI 4	650000	3750	25.15	26.00	1.216	-	-	0.01	0.146	0.178	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Back	22mm	Ant 4	-	DSI 4	650000	3750	25.20	26.00	1.202	-	-	0.06	0.181	0.218	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 4	-	DSI 4	650000	3750	25.15	26.00	1.216	-	-	0.06	0.194	0.236	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant 5	-	DSI 3	650000	3750	17.95	19.00	1.274	-	-	0.14	0.521	0.663	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	DSI 3	650000	3750	17.92	19.00	1.282	-	-	0.03	0.781	1.002	
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 5	-	DSI 3	650000	3750	17.88	19.00	1.294	-	-	0.03	0.765	0.990	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Back	5mm	Ant 5	-	DSI 3	650000	3750	17.95	19.00	1.274	-	-	0.04	0.553	0.704	
71	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	DSI 3	650000	3750	17.92	19.00	1.282	-	-	-0.08	0.793	<b>1.017</b>
FR1 n78	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	DSI 3	650000	3750	17.88	19.00	1.294	-	-	-0.14	0.781	1.011	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Front	21mm	Ant 5	-	DSI 4	650000	3750	23.36	24.50	1.300	-	-	0.08	0.060	0.078	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Front	21mm	Ant 5	-	DSI 4	650000	3750	23.30	24.50	1.318	-	-	-0.04	0.074	0.098	
FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Back	22mm	Ant 5	-	DSI 4	650000	3750	23.36	24.50	1.300	-	-	0.07	0.075	0.098	
FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Back	22mm	Ant 5	-	DSI 4	650000	3750	23.30	24.50	1.318	-	-	0.09	0.090	0.119	

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Headset	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)	Measure d 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
2450MHZ																		
WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+3 (6)	-	Standalone	6	2437	18.01	19.50	1.409	99.47	1.005	0.01	0.464	0.657		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+3 (6)	-	Standalone	6	2437	18.01	19.50	1.409	99.47	1.005	-0.02	0.735	1.041		
72	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+3 (6)	-	Standalone	1	2412	18.17	19.50	1.358	99.47	1.005	-0.01	0.918	<b>1.253</b>	
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+3 (6)	Headset	Standalone	1	2412	18.17	19.50	1.358	99.47	1.005	0.04	0.882	1.204		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+3	-	Standalone	11	2462	20.90	22.30	1.380	99.47	1.005	0.04	0.901	1.249		
WLAN2.4GHz	802.11g 6Mbps	Back	5mm	Ant 6+3 (3)	-	Standalone	1	2412	17.19	18.50	1.352	99.47	1.005	0.04	0.834	1.133		
WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+3 (6)	-	WWAN + non DBS	1	2412	12.12	13.50	1.374	99.47	1.005	0.01	0.108	0.149		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+3 (6)	-	WWAN + non DBS	1	2412	12.12	13.50	1.374	99.47	1.005	0.04	0.218	0.301		
WLAN2.4GHz	802.11b 1Mbps	Front	21mm	Ant 6+3 (6)	-	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.08	0.056	0.080		
WLAN2.4GHz	802.11b 1Mbps	Back	22mm	Ant 6+3 (6)	-	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.01	0.091	0.130		
WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	Standalone	1	2412	18.17	19.50	1.358	99.47	1.005	0.02	0.236	0.322		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	1	2412	18.17	19.50	1.358	99.47	1.005	-0.01	0.557	0.760		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	11	2462	18.14	19.50	1.368	99.47	1.005	0.03	0.581	0.799		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	Standalone	6	2437	18.01	19.50	1.409	99.47	1.005	0.01	0.594	0.841		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	DBS Only	6	2437	17.32	19.00	1.472	99.47	1.005	0.01	0.521	0.771		
WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	-	DBS	6	2437	12.02	13.50	1.406	99.47	1.005	-0.02	0.054	0.076		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	-	DBS	6	2437	12.02	13.50	1.406	99.47	1.005	0.02	0.151	0.213		
WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	-	Standalone	6	2437	18.11	19.50	1.377	99.47	1.005	-0.01	0.353	0.489		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	Standalone	6	2437	18.11	19.50	1.377	99.47	1.005	0.02	0.596	0.825		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	Standalone	1	2412	17.81	19.00	1.315	96.97	1.031	0.03	0.457	0.620		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	Standalone	11	2462	17.65	19.00	1.365	99.47	1.005	0.01	0.473	0.649		
WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 3	-	WWAN + non DBS	6	2437	12.21	13.50	1.355	99.47	1.005	0.01	0.086	0.116		
WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 3	-	WWAN + non DBS	6	2437	12.21	13.50	1.355	99.47	1.005	0.02	0.127	0.172		
WLAN2.4GHz	802.11b 1Mbps	Front	21mm	Ant 3	-	Full power	6	2437	19.56	21.00	1.393	99.47	1.005	0.09	0.051	0.071		
WLAN2.4GHz	802.11b 1Mbps	Back	22mm	Ant 3	-	Full power	6	2437	19.56	21.00	1.393	99.47	1.005	-0.08	0.074	0.104		
Bluetooth	1Mbps	Front	5mm	Ant 6	-	Full power	39	2441	11.15	12.00	1.215	76.86	1.084	0.06	0.087	0.115		
73	Bluetooth	1Mbps	Back	5mm	Ant 6	-	Full power	39	2441	11.15	12.00	1.215	76.86	1.084	0.03	0.088	<b>0.116</b>	
5000MHZ																		
WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+4 (4)	-	Standalone	54	5270	15.42	17.00	1.439	93.67	1.068	0.02	0.512	0.787		
74	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+4 (4)	-	Standalone	54	5270	15.42	17.00	1.439	93.67	1.068	-0.08	0.780	<b>1.199</b>	
WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+4 (4)	-	Standalone	62	5310	14.14	15.50	1.366	93.67	1.068	0.03	0.612	0.893		



**FCC SAR Test Report**

**Report No. : FA320205**

	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4(5)	-	WWAN + non DBS	58	5290	10.07	11.50	1.390	88.23	1.133	0.01	0.113	0.178
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4(5)	-	WWAN + non DBS	58	5290	10.07	11.50	1.390	88.23	1.133	0.01	0.198	0.312
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	21mm	Ant 5+4(4)	-	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.05	0.069	0.096
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	22mm	Ant 5+4(4)	-	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.03	0.054	0.075
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5	-	Standalone	54	5270	15.48	17.00	1.419	93.67	1.068	0.03	0.486	0.737
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5	-	Standalone	54	5270	15.48	17.00	1.419	93.67	1.068	0.05	0.615	0.932
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5	-	DBS Only	62	5310	14.91	16.00	1.285	93.67	1.068	0.01	0.475	0.652
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN + non DBS	58	5290	10.07	11.50	1.390	88.23	1.133	0.01	0.091	0.143
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN + non DBS	58	5290	10.07	11.50	1.390	88.23	1.133	-0.05	0.146	0.230
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN + DBS	58	5290	9.57	11.00	1.390	88.23	1.133	0.05	0.091	0.143
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN + DBS	58	5290	9.57	11.00	1.390	88.23	1.133	0.01	0.112	0.176
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	21mm	Ant 5	-	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.01	0.067	0.086
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	22mm	Ant 5	-	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.06	0.077	0.099
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4(5)	-	Standalone	122	5610	14.51	16.00	1.409	88.23	1.133	0.07	0.502	0.802
75	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4(5)	-	Standalone	122	5610	14.51	16.00	1.409	88.23	1.133	-0.06	0.750	<b>1.198</b>
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4(5)	-	Standalone	138	5690	14.35	16.00	1.462	88.23	1.133	0.06	0.721	1.194
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4	-	WWAN + non DBS	122	5610	12.44	13.50	1.277	88.23	1.133	0.07	0.142	0.205
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4	-	WWAN + non DBS	122	5610	12.44	13.50	1.277	88.23	1.133	0.02	0.201	0.291
	WLAN5.5GHz	802.11n-HT20 MCS0	Front	21mm	Ant 5+4(5)	-	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	0.09	0.044	0.065
	WLAN5.5GHz	802.11n-HT20 MCS0	Back	22mm	Ant 5+4(5)	-	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	0.01	0.121	0.178
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	Standalone&DBS Only	122	5610	14.51	16.00	1.409	93.29	1.072	0.03	0.361	0.545
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	Standalone&DBS Only	122	5610	14.51	16.00	1.409	93.29	1.072	-0.01	0.529	0.799
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN + non DBS&DBS	122	5610	9.77	10.50	1.183	88.23	1.133	0.07	0.121	0.162
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN + non DBS&DBS	122	5610	9.77	10.50	1.183	88.23	1.133	0.08	0.136	0.182
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	21mm	Ant 5	-	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	-0.17	0.063	0.091
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	22mm	Ant 5	-	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.03	0.059	0.085
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4(4)	-	Standalone	155	5775	15.84	17.50	1.466	88.23	1.133	0.01	0.365	0.606
76	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4(4)	-	Standalone	155	5775	15.84	17.50	1.466	88.23	1.133	-0.03	0.717	<b>1.191</b>
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+4(4)	-	WWAN + non DBS	155	5775	10.85	12.50	1.462	88.23	1.133	0.02	0.168	0.278
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+4(4)	-	WWAN + non DBS	155	5775	10.85	12.50	1.462	88.23	1.133	0.01	0.187	0.310
	WLAN5.8GHz	802.11a 6Mbps	Front	21mm	Ant 5+4(5)	-	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.08	0.123	0.190
	WLAN5.8GHz	802.11a 6Mbps	Back	22mm	Ant 5+4(5)	-	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	-0.07	0.130	0.201
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	Standalone	155	5775	15.70	17.00	1.349	88.23	1.133	0.01	0.407	0.622
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	Standalone&DBS Only	155	5775	15.70	17.00	1.349	88.23	1.133	0.05	0.450	0.688
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN + non DBS	155	5775	10.61	12.00	1.377	88.23	1.133	0.07	0.121	0.189
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN + non DBS	155	5775	10.61	12.00	1.377	88.23	1.133	0.01	0.159	0.249
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5	-	WWAN + DBS	155	5775	10.41	11.50	1.285	88.23	1.133	-0.03	0.114	0.166
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5	-	WWAN + DBS	155	5775	10.41	11.50	1.285	88.23	1.133	0.04	0.120	0.175
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	21mm	Ant 5	-	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.03	0.058	0.090
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	22mm	Ant 5	-	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.02	0.073	0.113





15.4 Product specific 10g SAR

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	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)	
<b>850MHz</b>																			
98	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	23230	782	22.60	24.00	1.380	-0.14	0.772	1.066	
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 0	DSI 6	23230	782	21.65	23.00	1.365	0.01	0.505	0.689	
	LTE Band 13	10M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	23230	782	21.64	23.00	1.368	0.01	0.510	0.698	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	DSI 6	189	836.4	28.21	29.50	1.346	0.09	1.71	2.301	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	DSI 6	128	824.2	27.96	29.50	1.426	0.02	1.51	2.153	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	DSI 6	251	848.8	28.13	29.50	1.371	-0.01	1.49	2.043	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	DSI 6	189	836.4	28.21	29.50	1.346	-0.1	1.61	2.167	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	DSI 6	128	824.2	27.96	29.50	1.426	0.03	1.32	1.882	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	DSI 6	251	848.8	28.13	29.50	1.371	0.05	1.29	1.768	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 0	DSI 6	189	836.4	28.21	29.50	1.346	0.02	0.968	1.303	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 1	DSI 6	189	836.4	26.58	27.50	1.236	0.12	1.570	1.940	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	0mm	Ant 1	DSI 6	189	836.4	26.58	27.50	1.236	-0.14	1.860	2.299	
77	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	0mm	Ant 1	DSI 6	128	824.2	26.46	27.50	1.271	-0.04	1.950	2.478	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	0mm	Ant 1	DSI 6	251	848.8	26.44	27.50	1.276	0.08	1.530	1.953	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	14mm	Ant 1	DSI 4	189	836.4	28.55	29.50	1.245	0.03	0.132	0.164	
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Top Side	12mm	Ant 1	DSI 4	189	836.4	28.55	29.50	1.245	0.01	0.211	0.263	
78	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4182	836.4	22.68	24.00	1.355	-0.02	1.03	1.396	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4132	826.4	22.36	24.00	1.459	0.07	0.943	1.376	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4233	846.6	22.48	24.00	1.419	0.01	0.947	1.344	
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	25mm	Ant 0	DSI 4	4182	836.4	23.38	25.00	1.452	0.01	0.041	0.060	
79	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	26865	831.5	22.75	24.00	1.334	0.02	1.15	1.534	
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	DSI 6	26865	831.5	22.71	23.00	1.069	0.01	0.869	0.929	
<b>1750MHz</b>																			
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1413	1732.6	20.71	22.50	1.510	-0.08	2.200	3.322	
80	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1312	1712.4	20.63	22.50	1.538	0.01	2.290	3.522	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1513	1752.6	20.57	22.50	1.560	0.11	2.150	3.353	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1413	1732.6	20.71	22.50	1.510	-0.06	1.910	2.884	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1312	1712.4	20.63	22.50	1.538	0.13	2.140	3.292	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1513	1752.6	20.57	22.50	1.560	0.04	1.830	2.854	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	20.71	22.50	1.510	0.07	0.622	0.939	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	19mm	Ant 0	DSI 4	1413	1732.6	23.27	25.00	1.489	0.04	0.077	0.115	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	25mm	Ant 0	DSI 4	1413	1732.6	23.27	25.00	1.489	0.03	0.053	0.079	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	31mm	Ant 0	DSI 4	1413	1732.6	23.27	25.00	1.489	0.07	0.052	0.077	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	DSI 6	1413	1732.6	21.94	23.00	1.276	0.05	1.490	1.902	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	1413	1732.6	21.94	23.00	1.276	-0.17	1.940	2.476	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	1312	1712.4	21.72	23.00	1.343	0.14	1.820	2.444	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	1513	1752.6	21.75	23.00	1.334	0.16	1.830	2.440	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	1413	1732.6	21.94	23.00	1.276	-0.18	1.780	2.272	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	1312	1712.4	21.72	23.00	1.343	0.04	1.800	2.417	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	1513	1752.6	21.75	23.00	1.334	0.03	1.830	2.440	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	9mm	Ant 1	DSI 4	1413	1732.6	22.88	24.00	1.294	0.03	0.399	0.516	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	14mm	Ant 1	DSI 4	1413	1732.6	22.88	24.00	1.294	0.08	0.342	0.443	
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Top Side	12mm	Ant 1	DSI 4	1413	1732.6	22.88	24.00	1.294	0.17	0.368	0.476	
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	20.61	22.00	1.377	0.01	2.450	3.374	
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132072	1720	20.51	22.00	1.409	0.03	2.440	3.439	
81	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132572	1770	20.46	22.00	1.426	0.01	2.470	3.521	
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	20.47	22.00	1.422	-0.09	2.110	3.001	
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	132072	1720	20.35	22.00	1.462	0.03	2.030	2.968	
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	132572	1770	20.32	22.00	1.472	0.08	2.210	3.254	
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 0	DSI 6	132322	1745	20.35	22.00	1.462	0.04	2.080	3.041	
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	20.61	22.00	1.377	0.01	2.090	2.878	



**FCC SAR Test Report**

**Report No. : FA320205**

	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132072	1720	20.51	22.00	1.409	0.14	2.340	3.298
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	132572	1770	20.46	22.00	1.426	0.08	2.040	2.908
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	20.47	22.00	1.422	-0.14	2.130	3.030
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132072	1720	20.35	22.00	1.462	0.15	2.170	3.173
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	132572	1770	20.32	22.00	1.472	0.05	2.080	3.062
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 0	DSI 6	132322	1745	20.35	22.00	1.462	0.01	2.110	3.085
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	20.61	22.00	1.377	0.06	0.682	0.939
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	20.47	22.00	1.422	-0.07	0.631	0.897
	LTE Band 66	20M	QPSK	1	0	-	Front	19mm	Ant 0	DSI 4	132322	1745	22.65	24.00	1.365	0.07	0.319	0.435
	LTE Band 66	20M	QPSK	1	0	-	Back	25mm	Ant 0	DSI 4	132322	1745	22.65	24.00	1.365	0.04	0.071	0.097
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	31mm	Ant 0	DSI 4	132322	1745	22.65	24.00	1.365	0.03	0.070	0.096
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	21.29	22.00	1.178	0.02	1.420	1.672
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	DSI 6	132322	1745	21.17	22.00	1.211	0.01	1.210	1.465
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	132322	1745	21.29	22.00	1.178	0.12	1.910	2.249
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	132072	1720	21.01	22.00	1.256	-0.01	1.820	2.286
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	132572	1770	21.18	22.00	1.208	-0.09	1.920	2.319
	LTE Band 66 Other PA	20M	QPSK	1	0	-	Back	0mm	Ant 1	DSI 6	132572	1770	21.90	23.00	1.288	0.05	1.770	2.280
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	132322	1745	20.87	22.00	1.297	0.02	1.470	1.907
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	132072	1720	20.68	22.00	1.355	0.02	1.390	1.884
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	DSI 6	132572	1770	20.76	22.00	1.330	-0.01	1.520	2.022
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 1	DSI 6	132322	1745	20.68	22.00	1.355	0.17	1.500	2.033
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	20.99	22.00	1.262	0.04	1.720	2.170
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132072	1720	20.71	22.00	1.346	0.04	1.600	2.153
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	132572	1770	20.88	22.00	1.294	0.13	1.850	2.394
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	20.87	22.00	1.297	0.15	1.590	2.063
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132072	1720	20.68	22.00	1.355	0.04	1.310	1.775
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	132572	1770	20.76	22.00	1.330	0.08	1.370	1.823
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	132322	1745	20.68	22.00	1.355	0.08	1.470	1.992
	LTE Band 66	20M	QPSK	1	0	-	Front	9mm	Ant 1	DSI 4	132322	1745	22.14	23.00	1.219	0.09	0.402	0.490
	LTE Band 66	20M	QPSK	1	0	-	Back	14mm	Ant 1	DSI 4	132322	1745	22.14	23.00	1.219	0.01	0.355	0.433
	LTE Band 66	20M	QPSK	1	0	-	Top Side	12mm	Ant 1	DSI 4	132322	1745	22.14	23.00	1.219	0.06	0.377	0.460
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	349000	1745	21.08	22.50	1.387	0.03	2.36	3.273
82	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	349000	1745	21.01	22.50	1.409	-0.07	2.45	3.453
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	349000	1745	20.94	22.50	1.432	0.06	2.12	3.036
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	349000	1745	21.08	22.50	1.387	0.11	2.13	2.954
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	349000	1745	21.01	22.50	1.409	-0.04	2.25	3.171
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	349000	1745	20.94	22.50	1.432	0.07	2.20	3.151
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	21.08	22.50	1.387	0.17	0.648	0.899
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	21.01	22.50	1.409	0.06	0.657	0.926
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	DSI 4	349000	1745	22.50	24.00	1.413	0.12	0.174	0.246
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Front	19mm	Ant 0	DSI 4	349000	1745	22.50	24.00	1.413	0.02	0.212	0.299
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	25mm	Ant 0	DSI 4	349000	1745	22.50	24.00	1.413	0.07	0.131	0.185
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	25mm	Ant 0	DSI 4	349000	1745	22.50	24.00	1.413	-0.06	0.145	0.205
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	31mm	Ant 0	DSI 4	349000	1745	22.50	24.00	1.413	0.02	0.143	0.202
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	31mm	Ant 0	DSI 4	349000	1745	22.50	24.00	1.413	-0.16	0.157	0.222
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	349000	1745	22.36	23.50	1.300	-0.15	1.87	2.431
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	349000	1745	22.33	23.50	1.309	0.06	1.94	2.540
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	349000	1745	21.77	23.00	1.327	0.06	1.68	2.230
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	349000	1745	22.36	23.50	1.300	-0.17	1.79	2.327
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	349000	1745	22.33	23.50	1.309	0.09	1.98	2.592
	FR1 n66	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	349000	1745	21.77	23.00	1.327	-0.06	1.74	2.310
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Back	14mm	Ant 1	DSI 4	349000	1745	22.90	24.00	1.288	-0.15	0.377	0.486
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Back	14mm	Ant 1	DSI 4	349000	1745	22.81	24.00	1.315	0.06	0.382	0.502
	FR1 n66	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	12mm	Ant 1	DSI 4	349000	1745	22.90	24.00	1.288	-0.17	0.395	0.509
	FR1 n66	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	12mm	Ant 1	DSI 4	349000	1745	22.81	24.00	1.315	0.09	0.417	0.548
<b>1900MHz</b>																		





**FCC SAR Test Report**

**Report No. : FA320205**

	LTE Band 2 Othher PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	18900	1880	21.11	22.00	1.227	0.05	1.910	2.344
	LTE Band 2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	18700	1860	20.02	21.00	1.253	0.05	2.000	2.506
	LTE Band 2	20M	QPSK	1	0	-	Top Side	0mm	Ant 1	DSI 6	19100	1900	20.03	21.00	1.250	0.08	1.950	2.438
	LTE Band 2	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	18900	1880	20.06	21.00	1.242	0.02	1.940	2.409
	LTE Band 2	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	18700	1860	20.02	21.00	1.253	0.02	1.960	2.456
	LTE Band 2	20M	QPSK	50	0	-	Top Side	0mm	Ant 1	DSI 6	19100	1900	20.02	21.00	1.253	-0.08	1.860	2.331
	LTE Band 2	20M	QPSK	100	0	-	Top Side	0mm	Ant 1	DSI 6	18900	1880	19.98	21.00	1.265	-0.08	1.820	2.302
	LTE Band 2	20M	QPSK	1	0	-	Back	14mm	Ant 1	DSI 4	18900	1880	22.07	23.00	1.239	-0.17	0.209	0.259
	LTE Band 2	20M	QPSK	1	0	-	Top Side	12mm	Ant 1	DSI 4	18900	1880	22.07	23.00	1.239	0.03	0.436	0.540
86	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	376000	1880	21.91	23.00	1.285	0.03	2.530	3.252
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	372000	1860	21.82	23.00	1.312	0.09	2.150	2.821
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	380000	1900	21.85	23.00	1.303	0.08	2.210	2.880
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	376000	1880	21.86	23.00	1.300	0.07	2.360	3.068
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	372000	1860	21.79	23.00	1.321	0.08	2.110	2.788
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	380000	1900	21.80	23.00	1.318	0.07	2.130	2.808
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	376000	1880	21.80	23.00	1.318	0.02	1.920	2.531
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	376000	1880	21.91	23.00	1.285	-0.13	2.330	2.995
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	372000	1860	21.82	23.00	1.312	0.01	2.050	2.690
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	380000	1900	21.85	23.00	1.303	-0.07	2.060	2.685
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	376000	1880	21.86	23.00	1.300	0.04	2.180	2.834
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	372000	1860	21.79	23.00	1.321	0.06	1.980	2.616
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	380000	1900	21.80	23.00	1.318	-0.15	1.910	2.518
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	376000	1880	21.80	23.00	1.318	0.06	1.910	2.518
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	21.91	23.00	1.285	-0.17	1.470	1.889
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	376000	1880	21.86	23.00	1.300	0.02	1.340	1.742
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	DSI 4	376000	1880	22.77	24.00	1.327	0.04	0.163	0.216
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	25mm	Ant 0	DSI 4	376000	1880	22.77	24.00	1.327	0.15	0.119	0.158
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	31mm	Ant 0	DSI 4	376000	1880	22.77	24.00	1.327	0.04	0.151	0.200
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	376000	1880	21.27	22.00	1.183	0.04	1.540	1.822
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	0mm	Ant 1	DSI 6	376000	1880	21.22	22.00	1.197	0.08	1.560	1.867
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	376000	1880	21.27	22.00	1.183	0.08	2.080	2.461
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	372000	1860	21.21	22.00	1.199	0.05	1.910	2.291
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	380000	1900	21.19	22.00	1.205	0.01	1.880	2.265
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	376000	1880	21.22	22.00	1.197	-0.12	2.120	2.537
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	372000	1860	21.07	22.00	1.239	0.05	1.920	2.378
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	380000	1900	21.20	22.00	1.202	0.08	1.890	2.272
	FR1 n2	20M	QPSK	100	0	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	376000	1880	21.18	22.00	1.208	-0.1	1.910	2.307
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Back	14mm	Ant 1	DSI 4	376000	1880	22.30	23.00	1.175	-0.04	0.184	0.216
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Back	14mm	Ant 1	DSI 4	376000	1880	22.26	23.00	1.186	-0.06	0.195	0.231
	FR1 n2	20M	QPSK	1	1	DFT-SCS-15KHz	Top Side	12mm	Ant 1	DSI 4	376000	1880	22.30	23.00	1.175	0.03	0.267	0.314
	FR1 n2	20M	QPSK	50	28	DFT-SCS-15KHz	Top Side	12mm	Ant 1	DSI 4	376000	1880	22.26	23.00	1.186	0.03	0.284	0.337
<b>2600MHz</b>																		
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	21100	2535	17.55	18.50	1.245	0.08	0.770	0.958
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 0	DSI 6	21100	2535	17.52	18.50	1.253	0.11	0.719	0.901
87	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 0	DSI 6	21100	2535	17.55	18.50	1.245	0.01	1.110	1.381
	LTE Band 7C	20M	QPSK	1	99	-	Back	0mm	Ant 0	DSI 6	21100+21298	2535+2554.8	17.34	18.50	1.306	0.07	1.020	1.332
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 0	DSI 6	21100	2535	17.52	18.50	1.253	-0.14	0.893	1.119
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	17.55	18.50	1.245	0.04	0.414	0.515
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	17.52	18.50	1.253	0.08	0.330	0.414
	LTE Band 7	20M	QPSK	1	0	-	Front	19mm	Ant 0	DSI 4	21100	2535	23.09	24.00	1.233	0.07	0.085	0.105
	LTE Band 7	20M	QPSK	1	0	-	Back	25mm	Ant 0	DSI 4	21100	2535	23.09	24.00	1.233	0.11	0.087	0.107
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	31mm	Ant 0	DSI 4	21100	2535	23.09	24.00	1.233	0.03	0.079	0.097



Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Antenna	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)	
<b>2600MHz</b>																			
	LTE Band 41	20M	QPSK	1	0	Front	0mm	Ant 0	DSI 6	40620	2593	17.66	19.00	1.361	62.9	1.006	0.12	0.519	0.711
	LTE Band 41	20M	QPSK	50	0	Front	0mm	Ant 0	DSI 6	40620	2593	17.54	19.00	1.400	62.9	1.006	-0.11	0.495	0.697
88	LTE Band 41	20M	QPSK	1	0	Back	0mm	Ant 0	DSI 6	40620	2593	17.66	19.00	1.361	62.9	1.006	-0.08	0.794	<b>1.087</b>
	LTE Band 41C	20M	QPSK	1	99	Back	0mm	Ant 0	DSI 6	40620+40818	2593+2612.8	17.27	19.00	1.489	62.9	1.006	0.09	0.715	1.071
	LTE Band 41	20M	QPSK	50	0	Back	0mm	Ant 0	DSI 6	40620	2593	17.54	19.00	1.400	62.9	1.006	0.16	0.729	1.026
	LTE Band 41	20M	QPSK	1	0	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	17.66	19.00	1.361	62.9	1.006	0.02	0.282	0.386
	LTE Band 41	20M	QPSK	50	0	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	17.54	19.00	1.400	62.9	1.006	0.12	0.274	0.386
	LTE Band 41	20M	QPSK	1	0	Front	19mm	Ant 0	DSI 4	40620	2593	22.84	24.00	1.306	62.9	1.006	0.09	0.061	0.080
	LTE Band 41	20M	QPSK	1	0	Back	25mm	Ant 0	DSI 4	40620	2593	22.84	24.00	1.306	62.9	1.006	0.02	0.065	0.085
	LTE Band 41	20M	QPSK	1	0	Bottom Side	31mm	Ant 0	DSI 4	40620	2593	22.84	24.00	1.306	62.9	1.006	0.08	0.051	0.067

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	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)	
<b>2600MHz</b>																			
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	507000	2535	19.13	20.00	1.222	0.06	0.798	0.975	
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 0	DSI 6	507000	2535	19.12	20.00	1.225	0.02	0.758	0.928	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	507000	2535	19.13	20.00	1.222	-0.08	1.220	1.491	
89	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 0	DSI 6	507000	2535	19.12	20.00	1.225	0.04	1.260	<b>1.543</b>	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	19.13	20.00	1.222	-0.02	0.465	0.568	
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	19.12	20.00	1.225	-0.08	0.429	0.525	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	19mm	Ant 0	DSI 4	507000	2535	23.17	24.00	1.211	0.08	0.161	0.195	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	25mm	Ant 0	DSI 4	507000	2535	23.17	24.00	1.211	0.08	0.074	0.090	
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	25mm	Ant 0	DSI 4	507000	2535	23.12	24.00	1.225	0.02	0.081	0.099	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	31mm	Ant 0	DSI 4	507000	2535	23.17	24.00	1.211	0.06	0.115	0.139	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	507000	2535	18.26	19.00	1.186	-0.08	1.300	1.541	
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 1	DSI 6	507000	2535	18.24	19.00	1.191	-0.11	1.270	1.513	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	12mm	Ant 1	DSI 4	507000	2535	23.47	24.00	1.130	-0.03	0.336	0.380	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant 0	DSI 6	518598	2592.99	17.97	19.00	1.268	0.03	0.629	0.797	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 0	DSI 6	518598	2592.99	17.92	19.00	1.282	-0.17	0.662	0.849	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 6	518598	2592.99	17.97	19.00	1.268	0.02	1.040	1.318	
90	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	DSI 6	518598	2592.99	17.92	19.00	1.282	0.04	1.270	<b>1.629</b>	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	17.97	19.00	1.268	-0.03	0.362	0.459	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 0	DSI 6	518598	2592.99	17.92	19.00	1.282	0.07	0.356	0.457	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Front	19mm	Ant 0	DSI 4	518598	2592.99	23.01	24.00	1.256	0.07	0.075	0.094	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	19mm	Ant 0	DSI 4	518598	2592.99	22.99	24.00	1.262	0.07	0.065	0.082	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Back	25mm	Ant 0	DSI 4	518598	2592.99	23.01	24.00	1.256	0.18	0.076	0.095	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	25mm	Ant 0	DSI 4	518598	2592.99	22.99	24.00	1.262	0.04	0.087	0.110	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	31mm	Ant 0	DSI 4	518598	2592.99	23.01	24.00	1.256	0.06	0.076	0.095	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	18.32	19.00	1.169	0.05	1.100	1.286	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 1	DSI 6	518598	2592.99	18.18	19.00	1.208	-0.02	1.280	1.546	
	FR1 n41	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	12mm	Ant 1	DSI 4	518598	2592.99	22.41	23.00	1.146	0.09	0.268	0.307	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	12mm	Ant 1	DSI 4	518598	2592.99	22.40	23.00	1.148	0.02	0.254	0.292	





Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	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)
<b>3500MHz</b>																		
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	656000	3840	17.11	18.00	1.227	-0.12	0.946	1.161
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	DSI 6	656000	3840	17.08	18.00	1.236	0.03	1.210	1.495
91	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	10mm	Ant 2	DSI 4	656000	3840	25.91	27.00	1.285	0.04	1.410	1.812
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	10mm	Ant 2	DSI 4	656000	3840	25.90	27.00	1.288	0.14	1.350	1.739
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant 7	DSI 6	656000	3840	21.10	22.00	1.230	0.06	0.926	1.139
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 7	DSI 6	656000	3840	20.99	22.00	1.262	0.01	1.310	1.653
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant 7	DSI 6	656000	3840	21.10	22.00	1.230	0.03	1.150	1.415
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 7	DSI 6	656000	3840	20.99	22.00	1.262	-0.02	1.140	1.438
	FR1 n77	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	0mm	Ant 7	DSI 6	656000	3840	21.10	22.00	1.230	0.06	0.334	0.411
	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 7	DSI 6	656000	3840	20.99	22.00	1.262	-0.17	0.468	0.591
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant 4	DSI 6	650000	3750	18.76	19.50	1.186	0.05	1.000	1.186
92	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	DSI 6	650000	3750	18.72	19.50	1.197	0.07	1.220	1.460
	FR1 n78	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	20mm	Ant 4	DSI 4	650000	3750	25.20	26.00	1.202	0.18	0.112	0.135
	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	20mm	Ant 4	DSI 4	650000	3750	25.15	26.00	1.216	0.03	0.134	0.163



Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	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)
<b>2450MHZ</b>																
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	-0.08	0.774	1.106
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.07	1.00	1.429
93	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.05	2.43	<b>3.474</b>
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 6+3	Full power	1	2412	22.40	23.80	1.382	99.47	1.005	-0.02	1.76	2.444
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 6+3	Full power	11	2462	22.31	23.80	1.409	99.47	1.005	0.01	1.57	2.223
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	15.48	17.00	1.419	99.47	1.005	0.04	0.368	0.525
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	15.48	17.00	1.419	99.47	1.005	0.07	0.686	0.978
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 6+3 (6)	WWAN + non DBS	6	2437	15.48	17.00	1.419	99.47	1.005	0.01	0.748	1.067
	WLAN2.4GHz	802.11g 6Mbps	Top Side	0mm	Ant 6+3 (6)	Full power	6	2437	18.79	20.50	1.483	96.97	1.031	0.12	2.12	3.240
	WLAN2.4GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 6+3 (6)	Full power	6	2437	18.47	20.00	1.422	96.77	1.033	-0.01	1.91	2.806
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.01	0.071	0.101
	WLAN2.4GHz	802.11b 1Mbps	Right Side	17mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.09	0.099	0.142
	WLAN2.4GHz	802.11b 1Mbps	Top Side	20mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.02	0.102	0.146
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	Full power	1	2412	19.61	21.00	1.377	99.47	1.005	0.07	1.27	1.758
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6	WWAN + non DBS	1	2412	15.57	17.00	1.390	99.47	1.005	0.01	0.505	0.706
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3	Full power	6	2437	19.56	21.00	1.393	99.47	1.005	-0.16	0.570	0.798
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3	Full power	6	2437	19.56	21.00	1.393	99.47	1.005	0.12	2.18	3.052
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3	Full power	1	2412	19.15	20.50	1.365	96.97	1.031	0.07	1.63	2.293
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3	Full power	11	2462	19.05	20.50	1.396	96.97	1.031	0.01	1.55	2.231
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 3	WWAN + non DBS	6	2437	15.57	17.00	1.390	99.47	1.005	0.07	0.217	0.303
	WLAN2.4GHz	802.11b 1Mbps	Top Side	0mm	Ant 3	WWAN + non DBS	6	2437	15.57	17.00	1.390	99.47	1.005	0.01	0.727	1.016
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 3	Full power	6	2437	19.56	21.00	1.393	99.47	1.005	0.02	0.041	0.057
	WLAN2.4GHz	802.11b 1Mbps	Top Side	20mm	Ant 3	Full power	6	2437	19.56	21.00	1.393	99.47	1.005	-0.19	0.092	0.129
	WLAN5.2GHz	802.11n-HT20 MCS0	Front	0mm	Ant 5+4	Full power	44	5220	20.56	21.80	1.330	96.77	1.033	0.07	0.845	1.161
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5+4	Full power	44	5220	20.56	21.80	1.330	96.77	1.033	-0.05	0.326	0.448
94	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+4	Full power	44	5220	20.56	21.80	1.330	96.77	1.033	0.16	1.45	<b>1.993</b>
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+4	WWAN + non DBS	46	5230	16.99	18.50	1.489	93.67	1.068	0.05	0.695	1.105
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+4	WWAN + non DBS	46	5230	16.99	18.50	1.489	93.67	1.068	-0.02	0.173	0.275
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+4	WWAN + non DBS	46	5230	16.99	18.50	1.489	93.67	1.068	0.01	0.714	1.136
	WLAN5.2GHz	802.11n-HT20 MCS0	Front	13mm	Ant 5+4	Full power	44	5220	20.56	21.80	1.330	96.77	1.033	0.02	0.122	0.168
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	15mm	Ant 5+4	Full power	44	5220	20.56	21.80	1.330	96.77	1.033	0.06	0.027	0.037
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	20mm	Ant 5+4	Full power	44	5220	20.56	21.80	1.330	96.77	1.033	0.07	0.059	0.081
	WLAN5.2GHz	802.11n-HT20 MCS0	Front	0mm	Ant 5	Full power	44	5220	17.80	19.00	1.317	96.77	1.033	0.04	1.46	1.987
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5	Full power	44	5220	17.80	19.00	1.317	96.77	1.033	0.11	0.271	0.369
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5	Full power	44	5220	17.80	19.00	1.317	96.77	1.033	-0.1	1.080	1.470
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5	WWAN + non DBS	46	5230	14.20	15.50	1.349	93.67	1.068	0.01	0.451	0.650
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	WWAN + non DBS	46	5230	14.20	15.50	1.349	93.67	1.068	0.04	0.112	0.161
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	WWAN + non DBS	46	5230	14.20	15.50	1.349	93.67	1.068	0.01	0.574	0.827
	WLAN5.2GHz	802.11n-HT20 MCS0	Front	13mm	Ant 5	Full power	44	5220	17.80	19.00	1.317	96.77	1.033	-0.07	0.133	0.181
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	15mm	Ant 5	Full power	44	5220	17.80	19.00	1.317	96.77	1.033	0.08	0.041	0.056
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	20mm	Ant 5	Full power	44	5220	17.80	19.00	1.317	96.77	1.033	0.04	0.039	0.053
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	0mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	-0.05	1.31	1.824
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.07	0.355	0.494
	WLAN5.3GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.01	0.495	0.689
95	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.01	1.47	<b>2.047</b>
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+4 (4)	Full power	56	5280	16.65	18.00	1.364	96.77	1.033	-0.01	1.41	1.987
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+4 (4)	WWAN + non DBS	54	5270	13.88	15.50	1.452	93.67	1.068	0.05	0.703	1.090
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+4 (4)	WWAN + non DBS	54	5270	13.88	15.50	1.452	93.67	1.068	-0.01	0.190	0.295
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+4 (4)	WWAN + non DBS	54	5270	13.88	15.50	1.452	93.67	1.068	0.02	0.290	0.450
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+4 (4)	WWAN + non DBS	54	5270	13.88	15.50	1.452	93.67	1.068	0.03	0.715	1.109
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	13mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.06	0.126	0.175
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	15mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.01	0.035	0.049
	WLAN5.3GHz	802.11n-HT20 MCS0	Right Side	17mm	Ant 5+4 (4)	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	-0.07	0.012	0.017



# FCC SAR Test Report

Report No. : FA320205

	WLAN5.3GHZ	802.11n-HT20 MCS0	Top Side	20mm	Ant 5+4 ( 4 )	Full power	52	5260	16.70	18.00	1.348	96.77	1.033	0.18	0.028	0.039
	WLAN5.3GHZ	802.11n-HT20 MCS0	Front	0mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.01	1.10	1.410
	WLAN5.3GHZ	802.11n-HT20 MCS0	Back	0mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.04	0.213	0.273
	WLAN5.3GHZ	802.11n-HT20 MCS0	Right Side	0mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.06	0.322	0.413
	WLAN5.3GHZ	802.11n-HT20 MCS0	Top Side	0mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	-0.06	0.839	1.075
	WLAN5.3GHZ	802.11n-HT40 MCS0	Front	0mm	Ant 5	WWAN + non DBS	62	5310	14.27	15.50	1.327	93.67	1.068	0.02	0.642	0.910
	WLAN5.3GHZ	802.11n-HT40 MCS0	Back	0mm	Ant 5	WWAN + non DBS	62	5310	14.27	15.50	1.327	93.67	1.068	0.01	0.132	0.187
	WLAN5.3GHZ	802.11n-HT40 MCS0	Right Side	0mm	Ant 5	WWAN + non DBS	62	5310	14.27	15.50	1.327	93.67	1.068	-0.04	0.278	0.394
	WLAN5.3GHZ	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	WWAN + non DBS	62	5310	14.27	15.50	1.327	93.67	1.068	0.07	0.704	0.998
	WLAN5.3GHZ	802.11n-HT20 MCS0	Front	13mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.08	0.103	0.132
	WLAN5.3GHZ	802.11n-HT20 MCS0	Back	15mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	-0.01	0.029	0.037
	WLAN5.3GHZ	802.11n-HT20 MCS0	Right Side	17mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.04	0.009	0.012
	WLAN5.3GHZ	802.11n-HT20 MCS0	Top Side	20mm	Ant 5	Full power	52	5260	17.56	18.50	1.241	96.77	1.033	0.06	0.023	0.029
	WLAN5.5GHZ	802.11n-HT20 MCS0	Front	0mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	-0.1	1.37	2.021
	WLAN5.5GHZ	802.11n-HT20 MCS0	Front	0mm	Ant 5+4 ( 5 )	Full power	144	5720	17.01	18.50	1.408	96.77	1.033	-0.05	1.24	1.804
	WLAN5.5GHZ	802.11n-HT20 MCS0	Back	0mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	-0.11	0.443	0.653
	WLAN5.5GHZ	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+4 ( 5 )	Full power	124	5620	17.01	18.50	1.408	96.77	1.033	-0.02	0.666	0.982
96	WLAN5.5GHZ	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	0.15	1.47	2.168
	WLAN5.5GHZ	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+4 ( 5 )	Full power	144	5720	17.01	18.50	1.408	96.77	1.033	0.05	1.40	2.036
	WLAN5.5GHZ	802.11n-HT40 MCS0	Front	0mm	Ant 5+4 ( 4 )	WWAN + non DBS	110	5550	14.14	15.50	1.368	93.67	1.068	0.03	0.769	1.123
	WLAN5.5GHZ	802.11n-HT40 MCS0	Back	0mm	Ant 5+4 ( 4 )	WWAN + non DBS	110	5550	14.14	15.50	1.368	93.67	1.068	-0.01	0.244	0.356
	WLAN5.5GHZ	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+4 ( 4 )	WWAN + non DBS	110	5550	14.14	15.50	1.368	93.67	1.068	0.05	0.292	0.427
	WLAN5.5GHZ	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+4 ( 4 )	WWAN + non DBS	110	5550	14.14	15.50	1.368	93.67	1.068	0.01	0.771	1.126
	WLAN5.5GHZ	802.11n-HT20 MCS0	Front	13mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	0.09	0.115	0.170
	WLAN5.5GHZ	802.11n-HT20 MCS0	Back	15mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	0.07	0.035	0.052
	WLAN5.5GHZ	802.11n-HT20 MCS0	Right Side	17mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	-0.06	0.021	0.031
	WLAN5.5GHZ	802.11n-HT20 MCS0	Top Side	20mm	Ant 5+4 ( 5 )	Full power	124	5620	16.95	18.50	1.428	96.77	1.033	0.01	0.045	0.066
	WLAN5.5GHZ	802.11n-HT20 MCS0	Front	0mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.09	0.850	1.228
	WLAN5.5GHZ	802.11n-HT20 MCS0	Back	0mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.03	0.165	0.238
	WLAN5.5GHZ	802.11n-HT20 MCS0	Right Side	0mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.09	0.383	0.553
	WLAN5.5GHZ	802.11n-HT20 MCS0	Top Side	0mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	-0.05	0.815	1.178
	WLAN5.5GHZ	802.11n-HT40 MCS0	Front	0mm	Ant 5	WWAN + non DBS	102	5510	14.21	15.50	1.346	93.67	1.068	0.01	0.641	0.921
	WLAN5.5GHZ	802.11n-HT40 MCS0	Back	0mm	Ant 5	WWAN + non DBS	102	5510	14.21	15.50	1.346	93.67	1.068	-0.03	0.143	0.206
	WLAN5.5GHZ	802.11n-HT40 MCS0	Right Side	0mm	Ant 5	WWAN + non DBS	102	5510	14.21	15.50	1.346	93.67	1.068	0.01	0.273	0.392
	WLAN5.5GHZ	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	WWAN + non DBS	102	5510	14.21	15.50	1.346	93.67	1.068	-0.06	0.748	1.075
	WLAN5.5GHZ	802.11n-HT20 MCS0	Front	13mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.09	0.082	0.118
	WLAN5.5GHZ	802.11n-HT20 MCS0	Back	15mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.01	0.009	0.013
	WLAN5.5GHZ	802.11n-HT20 MCS0	Right Side	17mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	-0.05	0.013	0.019
	WLAN5.5GHZ	802.11n-HT20 MCS0	Top Side	20mm	Ant 5	Full power	140	5700	17.04	18.50	1.399	96.77	1.033	0.12	0.027	0.039
	WLAN5.8GHZ	802.11a 6Mbps	Back	0mm	Ant 5+4 ( 5 )	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.03	0.642	0.992
	WLAN5.8GHZ	802.11a 6Mbps	Right Side	0mm	Ant 5+4 ( 5 )	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.16	1.05	1.622
97	WLAN5.8GHZ	802.11a 6Mbps	Top Side	0mm	Ant 5+4 ( 5 )	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.01	2.01	3.105
	WLAN5.8GHZ	802.11a 6Mbps	Top Side	0mm	Ant 5+4 ( 5 )	Full power	165	5825	18.24	20.00	1.498	96.97	1.031	0.03	1.83	2.873
	WLAN5.8GHZ	802.11a 6Mbps	Top Side	0mm	Ant 5+4 ( 5 )	Full power	149	5745	18.17	20.00	1.523	96.97	1.031	0.03	1.71	2.703
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+4	WWAN + non DBS	155	5775	18.14	20.00	1.533	88.23	1.133	0.05	0.226	0.352
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+4	WWAN + non DBS	155	5775	17.42	18.80	1.373	88.23	1.133	0.04	0.320	0.498
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+4	WWAN + non DBS	155	5775	17.42	18.80	1.373	88.23	1.133	0.03	0.516	0.803
	WLAN5.8GHZ	802.11a 6Mbps	Back	15mm	Ant 5+4 ( 5 )	Full power	157	5785	17.42	18.80	1.373	96.97	1.031	0.06	0.051	0.079
	WLAN5.8GHZ	802.11a 6Mbps	Right Side	17mm	Ant 5+4 ( 5 )	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	-0.01	0.044	0.068
	WLAN5.8GHZ	802.11a 6Mbps	Top Side	20mm	Ant 5+4 ( 5 )	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.06	0.088	0.136
	WLAN5.8GHZ	802.11a 6Mbps	Right Side	0mm	Ant 5	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.08	1.02	1.576
	WLAN5.8GHZ	802.11a 6Mbps	Top Side	0mm	Ant 5	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.15	1.54	2.379
	WLAN5.8GHZ	802.11a 6Mbps	Top Side	0mm	Ant 5	Full power	165	5825	18.17	20.00	1.523	96.97	1.031	-0.11	1.46	2.292
	WLAN5.8GHZ	802.11a 6Mbps	Top Side	0mm	Ant 5	Full power	149	5745	18.14	20.00	1.533	96.97	1.031	0.01	1.21	1.913
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	WWAN + non DBS	155	5775	14.27	15.50	1.327	88.23	1.133	-0.01	0.331	0.498
	WLAN5.8GHZ	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	WWAN + non DBS	155	5775	14.27	15.50	1.327	88.23	1.133	0.07	0.354	0.532
	WLAN5.8GHZ	802.11a 6Mbps	Right Side	17mm	Ant 5	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.06	0.048	0.074



WLAN5.8GHz	802.11a 6Mbps	Top Side	20mm	Ant 5	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.01	0.068	0.105
------------	---------------	----------	------	-------	------------	-----	------	-------	-------	-------	-------	-------	------	-------	-------

15.5 Repeated SAR Measurement

<1g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	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 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	17.54	18.50	1.247		1.000	0.09	0.952	1	1.188
2st	FR1 n77	100M	QPSK	135	69	DFT-SCS-30KHz	Right Cheek	0mm	Ant 2	DSI 2	656000	3840	17.54	18.50	1.247		1.000	0.01	0.932	1.021	1.163
1st	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	650000	3750	16.56	17.50	1.242		1.000	0.02	0.932	1	1.157
2st	FR1 n78	100M	QPSK	135	69	DFT-SCS-30KHz	Left Cheek	0mm	Ant 5	DSI 2	650000	3750	16.56	17.50	1.242		1.000	0.01	0.902	1.033	1.120
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6+3	standalone	6	2437	18.42	20.00	1.439	99.47	1.005	-0.17	0.962	1	1.391
2st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Left Cheek	0mm	Ant 6+3	standalone	6	2437	18.42	20.00	1.439	99.47	1.005	0.02	0.913	1.054	1.320
1st	LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380		1.000	0.01	0.885	1	1.222
2st	LTE Band 13	10M	QPSK	1	0		Back	5mm	Ant 0	DSI 7	23230	782	22.60	24.00	1.380		1.000	0.02	0.872	1.015	1.204
1st	LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334		1.000	-0.03	1.08	1	1.440
2st	LTE Band 26	15M	QPSK	1	0		Back	5mm	Ant 0	DSI 7	26865	831.5	22.75	24.00	1.334		1.000	0.02	1.00	1.080	1.334
1st	LTE Band 66	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	DSI 7	132572	1770	14.63	16.00	1.371		1.000	-0.01	1.00	1	1.371
2st	LTE Band 66	20M	QPSK	1	0		Bottom Side	5mm	Ant 0	DSI 7	132572	1770	14.63	16.00	1.371		1.000	0.02	0.994	1.006	1.363
1st	GSM1900					GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	661	1880	15.65	16.50	1.216		1.000	0.04	1.160	1	1.411
2st	GSM1900					GPRS (4 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	661	1880	15.65	16.50	1.216		1.000	0.04	1.050	1.105	1.277
1st	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	DSI 7	518598	2592.99	17.92	19.00	1.282		1.000	-0.09	1.120	1	1.436
2st	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	DSI 7	518598	2592.99	17.92	19.00	1.282		1.000	0.01	1.010	1.109	1.295

<10g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	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)	Ratio	Reported 10g SAR (W/kg)
1st	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132572	1770	20.46	22.00	1.426	-	1.000	0.01	2.470	1	3.521
2st	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 0	DSI 6	132572	1770	20.46	22.00	1.426	-	1.000	0.01	2.210	1.118	3.151
1st	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	DSI 6	661	1880	22.30	23.00	1.175	-	1.000	0.01	2.840	1	3.337
2st	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 0	DSI 6	661	1880	22.30	23.00	1.175	-	1.000	0.07	2.670	1.064	3.137
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Top Side	0mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.05	2.43	1	3.474
2st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Top Side	0mm	Ant 6+3 (6)	Full power	6	2437	19.47	21.00	1.422	99.47	1.005	0.02	2.12	1.146	3.030
1st	WLAN 5.8GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5+4 (5)	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.01	2.01	1	3.105
2st	WLAN 5.8GHz	-	-	-	-	802.11a 6Mbps	Top Side	0mm	Ant 5+4 (5)	Full power	157	5785	18.24	20.00	1.498	96.97	1.031	0.02	1.87	1.075	2.889

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45$ W/kg, only one repeated measurement is required.
- 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.
- The ratio is the difference in percentage between original and repeated *measured* SAR.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

## **16. Simultaneous Transmission Analysis**

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
4.	WLAN2.4GHz Ant 3 + Bluetooth Ant 6	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz Ant 6 + WLAN5GHz Ant 5	Yes	Yes	Yes	Yes
6.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
7.	WWAN + WLAN2.4GHz Ant 3 + Bluetooth Ant 6	Yes	Yes	Yes	Yes
8.	WWAN + WLAN2.4GHz Ant 6 + WLAN5GHz Ant 5	Yes	Yes	Yes	Yes
9.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
10.	WWAN + WLAN2.4GHz + NFC				Yes
11.	WWAN + WLAN5GHz + NFC				Yes
12.	WWAN + Bluetooth + NFC				Yes
13.	WLAN2.4GHz Ant 3 + Bluetooth Ant 6 + NFC				Yes
14.	WLAN2.4GHz Ant 6 + WLAN5GHz Ant 5 + NFC				Yes
15.	WLAN5GHz+ Bluetooth + NFC				Yes
16.	WWAN + WLAN2.4GHz Ant 3 + Bluetooth Ant 6 + NFC				Yes
17.	WWAN + WLAN2.4GHz Ant 6 + WLAN5GHz Ant 5 + NFC				Yes
18.	WWAN + WLAN5GHz+ Bluetooth + NFC				Yes

**General Note:**

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination..
- The 2.4GHz/5GHz WLAN can transmit in SISO and MIMO antenna mode.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz Ant5 and WLAN 2.4GHz Ant6 can transmit simultaneously.
- According to the EUT characteristic, WLAN 2.4GHz Ant6 and Bluetooth share the same antenna and they cannot transmit simultaneously each other, and WLAN 2.4GHz Ant3 and Bluetooth can transmit simultaneously.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
- For 5GNR EN-DC mode, standalone SAR performed for 5GNR NSA band with the maximum power, EN-DC SAR summed EN-DC mode 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively.
- When stand-alone SAR is not required for a transmitter or antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
- For standalone WWAN, always choose the highest SAR among all WWAN bands for Head SAR and body-worn distance SAR each exposure position to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands.
- For standalone WWAN, always choose the highest SAR among all WWAN bands within the selected antenna for each exposure position (except Head exposure Conditions) to perform simultaneous transmission analysis with WLAN/BT. This is the worst co-located analysis and can represent each bands. If the co-located analysis within standalone SAR is higher SAR limit (1.6W/kg for 1g SAR, 4.0W/kg for 10g SAR), always choose the highest SAR among the selected WWAN bands within the selected antenna for each exposure position to perform simultaneous transmission analysis with WLAN/BT.
- For inter-band UL CA SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands.
- For EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected LTE bands within the selected antenna per each test position and also the worst SAR of the selected 5GNR Bands within the selected





antenna to do co-located with WLAN/Bluetooth. This is the worst co-located analysis and can represent each LTE bands and each 5G NR bands.

18. The maximum SAR summation is calculated based on the same configuration and test position.
19. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
20. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
  - i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
  - ii)  $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$ , 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  $SPLSR \leq 0.04$  for 1g SAR and  $SPLSR \leq 0.10$  for 10g SAR, simultaneously transmission SAR measurement is not necessary.
  - iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
  - v) The SPLSR calculated results please refer to section 16.5.



16.1 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	3+7	1+2	1+5+9	1+6+9	1+4+8
		WWAN	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS Only	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
WWAN All Bands	Right Cheek	1.188	0.157	0.797	0.043	0.145	0.137	0.797	0.091	0.107	1.59	1.35	1.44	1.43	1.32
	Right Tilted	1.210	0.202	0.797	0.001	0.151	0.141	0.797	0.113	0.107	1.59	1.41	1.47	1.46	1.32
	Left Cheek	1.164	0.312	0.797	0.179	0.253	0.309	0.797	0.203	0.107	1.59	1.48	1.52	1.58	1.55
	Left Tilted	1.150	0.264	0.797	0.043	0.327	0.297	0.797	0.201	0.107	1.59	1.41	1.58	1.55	1.39

<Inter-Band UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3	1+2+5+8	1+2+6+8	1+2+4+7
			WWAN	WWAN	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
LTE Band 2 Ant 0	LTE Band 26(5) Ant 1	Right Cheek	0.118	1.154	0.157	0.043	0.145	0.137	0.091	0.107	1.43	1.52	1.52	1.41
		Right Tilted	0.083	1.076	0.202	0.001	0.151	0.141	0.113	0.107	1.36	1.42	1.41	1.27
		Left Cheek	0.166	0.555	0.312	0.179	0.253	0.309	0.203	0.107	1.03	1.08	1.14	1.10
		Left Tilted	0.069	0.560	0.264	0.043	0.327	0.297	0.201	0.107	0.89	1.06	1.03	0.87
LTE Band 2 Ant 0	LTE Band 7 Ant 1	Right Cheek	0.118	1.033	0.157	0.043	0.145	0.137	0.091	0.107	1.31	1.40	1.40	1.29
		Right Tilted	0.083	1.172	0.202	0.001	0.151	0.141	0.113	0.107	1.46	1.51	1.50	1.37
		Left Cheek	0.166	0.729	0.312	0.179	0.253	0.309	0.203	0.107	1.21	1.26	1.31	1.28
		Left Tilted	0.069	0.691	0.264	0.043	0.327	0.297	0.201	0.107	1.02	1.19	1.16	1.00
LTE Band 2 Ant 0	LTE Band 66(4) Ant 1	Right Cheek	0.118	1.054	0.157	0.043	0.145	0.137	0.091	0.107	1.33	1.42	1.42	1.31
		Right Tilted	0.083	1.095	0.202	0.001	0.151	0.141	0.113	0.107	1.38	1.44	1.43	1.29
		Left Cheek	0.166	0.664	0.312	0.179	0.253	0.309	0.203	0.107	1.14	1.19	1.25	1.21
		Left Tilted	0.069	0.787	0.264	0.043	0.327	0.297	0.201	0.107	1.12	1.29	1.26	1.10
LTE Band 66(4) Ant 0	LTE Band 26(5) Ant 1	Right Cheek	0.078	1.154	0.157	0.043	0.145	0.137	0.091	0.107	1.39	1.48	1.48	1.37
		Right Tilted	0.070	1.076	0.202	0.001	0.151	0.141	0.113	0.107	1.35	1.40	1.39	1.26
		Left Cheek	0.154	0.555	0.312	0.179	0.253	0.309	0.203	0.107	1.02	1.07	1.13	1.09
		Left Tilted	0.072	0.560	0.264	0.043	0.327	0.297	0.201	0.107	0.90	1.07	1.04	0.88
LTE Band 66(4) Ant 1	LTE Band 26(5) Ant 0	Right Cheek	1.054	0.283	0.157	0.043	0.145	0.137	0.091	0.107	1.49	1.59	1.58	1.47
		Right Tilted	1.095	0.156	0.202	0.001	0.151	0.141	0.113	0.107	1.45	1.51	1.50	1.37
		Left Cheek	0.664	0.188	0.312	0.179	0.253	0.309	0.203	0.107	1.16	1.21	1.27	1.23
		Left Tilted	0.787	0.141	0.264	0.043	0.327	0.297	0.201	0.107	1.19	1.36	1.33	1.17
LTE Band 66(4) Ant 0	LTE Band 7 Ant 1	Right Cheek	0.078	1.033	0.157	0.043	0.145	0.137	0.091	0.107	1.27	1.36	1.36	1.25
		Right Tilted	0.070	1.172	0.202	0.001	0.151	0.141	0.113	0.107	1.44	1.50	1.49	1.36
		Left Cheek	0.154	0.729	0.312	0.179	0.253	0.309	0.203	0.107	1.20	1.24	1.30	1.27
		Left Tilted	0.072	0.691	0.264	0.043	0.327	0.297	0.201	0.107	1.03	1.20	1.17	1.01
LTE Band 66(4) Ant 1	LTE Band 7 Ant 0	Right Cheek	1.054	0.099	0.157	0.043	0.145	0.137	0.091	0.107	1.31	1.41	1.40	1.29
		Right Tilted	1.095	0.065	0.202	0.001	0.151	0.141	0.113	0.107	1.36	1.42	1.41	1.27
		Left Cheek	0.664	0.109	0.312	0.179	0.253	0.309	0.203	0.107	1.09	1.13	1.19	1.16
		Left Tilted	0.787	0.065	0.264	0.043	0.327	0.297	0.201	0.107	1.12	1.29	1.26	1.10
LTE Band 26(5) Ant 0	LTE Band 7 Ant 1	Right Cheek	0.283	1.033	0.157	0.043	0.145	0.137	0.091	0.107	1.47	1.57	1.56	1.45
		Right Tilted	0.156	1.172	0.202	0.001	0.151	0.141	0.113	0.107	1.53	1.59	1.58	1.44
		Left Cheek	0.188	0.729	0.312	0.179	0.253	0.309	0.203	0.107	1.23	1.28	1.33	1.30
		Left Tilted	0.141	0.691	0.264	0.043	0.327	0.297	0.201	0.107	1.10	1.27	1.24	1.08
LTE Band 26(5) Ant 1	LTE Band 7 Ant 0	Right Cheek	1.154	0.099	0.157	0.043	0.145	0.137	0.091	0.107	1.41	1.51	1.50	1.39
		Right Tilted	1.076	0.065	0.202	0.001	0.151	0.141	0.113	0.107	1.34	1.40	1.39	1.26
		Left Cheek	0.555	0.109	0.312	0.179	0.253	0.309	0.203	0.107	0.98	1.02	1.08	1.05
		Left Tilted	0.560	0.065	0.264	0.043	0.327	0.297	0.201	0.107	0.89	1.06	1.03	0.87
LTE Band	LTE Band	Right Cheek	0.059	0.668	0.157	0.043	0.145	0.137	0.091	0.107	0.88	0.98	0.97	0.86
		Right Tilted		0.226	0.202	0.001	0.151	0.141	0.113	0.107	0.43	0.48	0.47	0.34





**FCC SAR Test Report**

**Report No. : FA320205**

LTE Band 66 Ant 0	FR1 n77 Ant 2	Right Cheek	0.078	0.592	0.157	0.043	0.145	0.137	0.091	0.107	0.83	0.92	0.91	0.80
		Right Tilted	0.070	0.319	0.202	0.001	0.151	0.141	0.113	0.107	0.59	0.65	0.64	0.50
		Left Cheek	0.154	0.343	0.312	0.179	0.253	0.309	0.203	0.107	0.81	0.86	0.91	0.88
		Left Tilted	0.072	0.226	0.264	0.043	0.327	0.297	0.201	0.107	0.56	0.73	0.70	0.54
LTE Band 66 Ant 1	FR1 n77 Ant 2	Right Cheek	0.750	0.592	0.157	0.043	0.145	0.137	0.091	0.107	1.50	1.59	1.59	1.48
		Right Tilted	0.781	0.319	0.202	0.001	0.151	0.141	0.113	0.107	1.30	1.36	1.35	1.21
		Left Cheek	0.664	0.343	0.312	0.179	0.253	0.309	0.203	0.107	1.32	1.37	1.42	1.39
		Left Tilted	0.787	0.226	0.264	0.043	0.327	0.297	0.201	0.107	1.28	1.45	1.42	1.26
LTE Band 26 Ant 0	FR1 n77 Ant 2	Right Cheek	0.283	0.592	0.157	0.043	0.145	0.137	0.091	0.107	1.03	1.13	1.12	1.01
		Right Tilted	0.156	0.319	0.202	0.001	0.151	0.141	0.113	0.107	0.68	0.73	0.72	0.59
		Left Cheek	0.188	0.343	0.312	0.179	0.253	0.309	0.203	0.107	0.84	0.89	0.95	0.91
		Left Tilted	0.141	0.226	0.264	0.043	0.327	0.297	0.201	0.107	0.63	0.80	0.77	0.61
LTE Band 26 Ant 1	FR1 n77 Ant 2	Right Cheek	0.745	0.592	0.157	0.043	0.145	0.137	0.091	0.107	1.49	1.59	1.58	1.47
		Right Tilted	0.702	0.319	0.202	0.001	0.151	0.141	0.113	0.107	1.22	1.28	1.27	1.14
		Left Cheek	0.555	0.343	0.312	0.179	0.253	0.309	0.203	0.107	1.21	1.26	1.31	1.28
		Left Tilted	0.560	0.226	0.264	0.043	0.327	0.297	0.201	0.107	1.05	1.22	1.19	1.03
LTE Band 7 Ant 0	FR1 n77 Ant 2	Right Cheek	0.099	0.592	0.157	0.043	0.145	0.137	0.091	0.107	0.85	0.94	0.94	0.83
		Right Tilted	0.065	0.319	0.202	0.001	0.151	0.141	0.113	0.107	0.59	0.64	0.63	0.50
		Left Cheek	0.109	0.343	0.312	0.179	0.253	0.309	0.203	0.107	0.76	0.81	0.87	0.83
		Left Tilted	0.065	0.226	0.264	0.043	0.327	0.297	0.201	0.107	0.56	0.73	0.70	0.54
LTE Band 7 Ant 1	FR1 n77 Ant 2	Right Cheek	0.684	0.592	0.157	0.043	0.145	0.137	0.091	0.107	1.43	1.53	1.52	1.41
		Right Tilted	0.811	0.319	0.202	0.001	0.151	0.141	0.113	0.107	1.33	1.39	1.38	1.24
		Left Cheek	0.729	0.343	0.312	0.179	0.253	0.309	0.203	0.107	1.38	1.43	1.49	1.45
		Left Tilted	0.691	0.226	0.264	0.043	0.327	0.297	0.201	0.107	1.18	1.35	1.32	1.16

WWAN Band	FR1 Band	Exposure Position	1		2		3		4		5		6		7		8		1+2+3	1+2+5+8	1+2+6+8	1+2+4+7
			WWAN	FR1	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non BDS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	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)	1g SAR (W/kg)			
LTE Band 41 Ant 0	FR1 n77 Ant 2	Right Cheek	0.059	0.592	0.157	0.043	0.145	0.137	0.091	0.107	0.81	0.90	0.90	0.79								
		Right Tilted		0.319	0.202	0.001	0.151	0.141	0.113	0.107	0.52	0.58	0.57	0.43								
		Left Cheek	0.078	0.343	0.312	0.179	0.253	0.309	0.203	0.107	0.73	0.78	0.84	0.80								
		Left Tilted		0.226	0.264	0.043	0.327	0.297	0.201	0.107	0.49	0.66	0.63	0.47								
LTE Band 41 Ant 1	FR1 n77 Ant 2	Right Cheek	0.486	0.592	0.157	0.043	0.145	0.137	0.091	0.107	1.24	1.33	1.32	1.21								
		Right Tilted	0.597	0.319	0.202	0.001	0.151	0.141	0.113	0.107	1.12	1.17	1.16	1.03								
		Left Cheek	0.351	0.343	0.312	0.179	0.253	0.309	0.203	0.107	1.01	1.05	1.11	1.08								
		Left Tilted	0.351	0.226	0.264	0.043	0.327	0.297	0.201	0.107	0.84	1.01	0.98	0.82								
LTE Band 66 Ant 1	FR1 n2 Ant 0	Right Cheek	0.737	0.090	0.157	0.043	0.145	0.137	0.091	0.107	0.98	1.08	1.07	0.96								
		Right Tilted	0.781	0.070	0.202	0.001	0.151	0.141	0.113	0.107	1.05	1.11	1.10	0.97								
		Left Cheek	0.664	0.135	0.312	0.179	0.253	0.309	0.203	0.107	1.11	1.16	1.22	1.18								
		Left Tilted	0.787	0.059	0.264	0.043	0.327	0.297	0.201	0.107	1.11	1.28	1.25	1.09								



16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2	1+4+7	1+5+7	1+3+6	Case No
		WWAN	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
All Bands Ant1	Front	0.476	0.266	0.100	0.266	0.326	0.148	0.115	0.74	0.86	0.92	0.72	
	Back	0.676	0.416	0.252	0.416	0.389	0.271	0.116	1.09	1.21	1.18	1.20	
	Left side	0.282						0.001	0.28	0.28	0.28	0.28	
	Right side		0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
	Top side	0.715	0.688	0.043	0.673	0.690	0.366	0.014	1.40	1.40	1.42	1.12	
	Bottom side								0.00	0.00	0.00	0.00	
All Bands Ant2	Front	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.60	0.71	0.77	0.58	
	Back	0.506	0.416	0.252	0.416	0.389	0.271	0.116	0.92	1.04	1.01	1.03	
	Left side	0.741						0.001	0.74	0.74	0.74	0.74	
	Right side		0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
	Top side	0.099	0.688	0.043	0.673	0.690	0.366	0.014	0.79	0.79	0.80	0.51	
	Bottom side								0.00	0.00	0.00	0.00	
All Bands Ant4	Front	0.462	0.266	0.100	0.266	0.326	0.148	0.115	0.73	0.84	0.90	0.71	
	Back	0.464	0.416	0.252	0.416	0.389	0.271	0.116	0.88	1.00	0.97	0.99	
	Left side							0.001	0.00	0.00	0.00	0.00	
	Right side	0.114	0.525	0.302	0.068	0.348	0.289	0.158	0.64	0.34	0.62	0.71	
	Top side	0.746	0.688	0.043	0.673	0.690	0.366	0.014	1.43	1.43	1.45	1.16	
	Bottom side								0.00	0.00	0.00	0.00	
All Bands Ant5	Front	0.587	0.266	0.100	0.266	0.326	0.148	0.115	0.85	0.97	1.03	0.84	
	Back	0.677	0.416	0.252	0.416	0.389	0.271	0.116	1.09	1.21	1.18	1.20	
	Left side							0.001	0.00	0.00	0.00	0.00	
	Right side	0.339	0.525	0.302	0.068	0.348	0.289	0.158	0.86	0.57	0.85	0.93	
	Top side	0.728	0.688	0.043	0.673	0.690	0.366	0.014	1.42	1.42	1.43	1.14	
	Bottom side								0.00	0.00	0.00	0.00	
All Bands Ant7	Front	0.632	0.266	0.100	0.266	0.326	0.148	0.115	0.90	1.01	1.07	0.88	
	Back	0.770	0.416	0.252	0.416	0.389	0.271	0.116	1.19	1.30	1.28	1.29	
	Left side	1.170						0.001	1.17	1.17	1.17	1.17	
	Right side		0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	0.458							0.46	0.46	0.46	0.46	
GSM850 Ant 0	Front	1.056	0.266	0.100	0.266	0.326	0.148	0.115	1.32	1.44	1.50	1.30	
	Back	1.236	0.416	0.252	0.416	0.389	0.271	0.116	1.65	1.77	1.74	1.76	5&6&7&8
	Left side	0.162						0.001	0.16	0.16	0.16	0.16	
	Right side	0.357	0.525	0.302	0.068	0.348	0.289	0.158	0.88	0.58	0.86	0.95	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	0.703							0.70	0.70	0.70	0.70	
GSM1900 Ant 0	Front	0.696	0.266	0.100	0.266	0.326	0.148	0.115	0.96	1.08	1.14	0.94	
	Back	0.988	0.416	0.252	0.416	0.389	0.271	0.116	1.40	1.52	1.49	1.51	
	Left side	0.026						0.001	0.03	0.03	0.03	0.03	
	Right side	0.071	0.525	0.302	0.068	0.348	0.289	0.158	0.60	0.30	0.58	0.66	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.411							1.41	1.41	1.41	1.41	
WCDMA II Ant 0	Front	0.492	0.266	0.100	0.266	0.326	0.148	0.115	0.76	0.87	0.93	0.74	
	Back	0.797	0.416	0.252	0.416	0.389	0.271	0.116	1.21	1.33	1.30	1.32	
	Left side	0.025						0.001	0.03	0.03	0.03	0.03	
	Right side	0.078	0.525	0.302	0.068	0.348	0.289	0.158	0.60	0.30	0.58	0.67	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.406							1.41	1.41	1.41	1.41	
WCDMA	Front	0.715	0.266	0.100	0.266	0.326	0.148	0.115	0.98	1.10	1.16	0.96	





IV Ant 0	Back	1.009	0.416	0.252	0.416	0.389	0.271	0.116	1.43	1.54	1.51	1.53	
	Left side	0.024						0.001	0.02	0.03	0.03	0.02	
	Right side	0.083	0.525	0.302	0.068	0.348	0.289	0.158	0.61	0.31	0.59	0.67	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.268							1.27	1.27	1.27	1.27	
WCDMA V Ant 0	Front	1.120	0.266	0.100	0.266	0.326	0.148	0.115	1.39	1.50	1.56	1.37	
	Back	1.354	0.416	0.252	0.416	0.389	0.271	0.116	1.77	1.89	1.86	1.88	9&10&11&12
	Left side	0.156						0.001	0.16	0.16	0.16	0.16	
	Right side	0.362	0.525	0.302	0.068	0.348	0.289	0.158	0.89	0.59	0.87	0.95	
	Bottom side	0.884							0.88	0.88	0.88	0.88	
LTE Band 2 Ant 0	Front	0.722	0.266	0.100	0.266	0.326	0.148	0.115	0.99	1.10	1.16	0.97	
	Back	0.914	0.416	0.252	0.416	0.389	0.271	0.116	1.33	1.45	1.42	1.44	
	Left side	0.029						0.001	0.03	0.03	0.03	0.03	
	Right side	0.085	0.525	0.302	0.068	0.348	0.289	0.158	0.61	0.31	0.59	0.68	
	Bottom side	1.376							1.38	1.38	1.38	1.38	
LTE Band 7 Ant 0	Front	0.576	0.266	0.100	0.266	0.326	0.148	0.115	0.84	0.96	1.02	0.82	
	Back	1.087	0.416	0.252	0.416	0.389	0.271	0.116	1.50	1.62	1.59	1.61	13&15
	Left side	0.050						0.001	0.05	0.05	0.05	0.05	
	Right side	0.044	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.64	
	Bottom side	1.359							1.36	1.36	1.36	1.36	
LTE Band 12 Ant 0	Front	0.730	0.266	0.100	0.266	0.326	0.148	0.115	1.00	1.11	1.17	0.98	
	Back	1.104	0.416	0.252	0.416	0.389	0.271	0.116	1.52	1.64	1.61	1.63	16&17&18
	Left side	0.109						0.001	0.11	0.11	0.11	0.11	
	Right side	0.340	0.525	0.302	0.068	0.348	0.289	0.158	0.87	0.57	0.85	0.93	
	Bottom side	0.702							0.70	0.70	0.70	0.70	
LTE Band 13 Ant 0	Front	0.923	0.266	0.100	0.266	0.326	0.148	0.115	1.19	1.30	1.36	1.17	
	Back	1.222	0.416	0.252	0.416	0.389	0.271	0.116	1.64	1.75	1.73	1.75	19&20&21&22
	Left side	0.243						0.001	0.24	0.24	0.24	0.24	
	Right side	0.450	0.525	0.302	0.068	0.348	0.289	0.158	0.98	0.68	0.96	1.04	
	Bottom side	0.737							0.74	0.74	0.74	0.74	
LTE Band 26 Ant 0	Front	1.073	0.266	0.100	0.266	0.326	0.148	0.115	1.34	1.45	1.51	1.32	
	Back	1.440	0.416	0.252	0.416	0.389	0.271	0.116	1.86	1.97	1.95	1.96	23&24&25&26
	Left side	0.156						0.001	0.16	0.16	0.16	0.16	
	Right side	0.371	0.525	0.302	0.068	0.348	0.289	0.158	0.90	0.60	0.88	0.96	
	Bottom side	0.885							0.89	0.89	0.89	0.89	
LTE Band 66 Ant 0	Front	0.744	0.266	0.100	0.266	0.326	0.148	0.115	1.01	1.13	1.19	0.99	
	Back	0.937	0.416	0.252	0.416	0.389	0.271	0.116	1.35	1.47	1.44	1.46	
	Left side	0.030						0.001	0.03	0.03	0.03	0.03	
	Right side	0.098	0.525	0.302	0.068	0.348	0.289	0.158	0.62	0.32	0.60	0.69	
	Bottom side	1.371							1.37	1.37	1.37	1.37	
LTE Band 41 Ant 0	Front	0.466	0.266	0.100	0.266	0.326	0.148	0.115	0.73	0.85	0.91	0.71	
	Back	1.238	0.416	0.252	0.416	0.389	0.271	0.116	1.65	1.77	1.74	1.76	27&28&29&30
	Left side	0.041						0.001	0.04	0.04	0.04	0.04	
	Right side	0.034	0.525	0.302	0.068	0.348	0.289	0.158	0.56	0.26	0.54	0.63	
	Bottom side	0.917							0.92	0.92	0.92	0.92	
FR1 n2 Ant 0	Front	0.643	0.266	0.100	0.266	0.326	0.148	0.115	0.91	1.02	1.08	0.89	
	Back	0.793	0.416	0.252	0.416	0.389	0.271	0.116	1.21	1.33	1.30	1.32	
	Left side	0.027						0.001	0.03	0.03	0.03	0.03	



	Right side	0.091	0.525	0.302	0.068	0.348	0.289	0.158	0.62	0.32	0.60	0.68	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.314							1.31	1.31	1.31	1.31	
FR1 n5 Ant 0	Front	0.713	0.266	0.100	0.266	0.326	0.148	0.115	0.98	1.09	1.15	0.96	
	Back	0.911	0.416	0.252	0.416	0.389	0.271	0.116	1.33	1.44	1.42	1.43	
	Left side	0.108						0.001	0.11	0.11	0.11	0.11	
	Right side	0.266	0.525	0.302	0.068	0.348	0.289	0.158	0.79	0.49	0.77	0.86	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	0.617							0.62	0.62	0.62	0.62	
FR1 n7 Ant 0	Front	0.636	0.266	0.100	0.266	0.326	0.148	0.115	0.90	1.02	1.08	0.88	
	Back	1.347	0.416	0.252	0.416	0.389	0.271	0.116	1.76	1.88	1.85	1.87	31&32&33&34
	Left side	0.042						0.001	0.04	0.04	0.04	0.04	
	Right side	0.042	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.63	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.286							1.29	1.29	1.29	1.29	
FR1 n66 Ant 0	Front	0.881	0.266	0.100	0.266	0.326	0.148	0.115	1.15	1.26	1.32	1.13	
	Back	1.091	0.416	0.252	0.416	0.389	0.271	0.116	1.51	1.62	1.60	1.61	35&36&37
	Left side	0.040						0.001	0.04	0.04	0.04	0.04	
	Right side	0.112	0.525	0.302	0.068	0.348	0.289	0.158	0.64	0.34	0.62	0.70	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.435							1.44	1.44	1.44	1.44	
FR1 n41 Ant 0	Front	0.526	0.266	0.100	0.266	0.326	0.148	0.115	0.79	0.91	0.97	0.77	
	Back	1.436	0.416	0.252	0.416	0.389	0.271	0.116	1.85	1.97	1.94	1.96	38&39&40&41
	Left side	0.056						0.001	0.06	0.06	0.06	0.06	
	Right side	0.049	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.28	0.56	0.64	
	Top side		0.688	0.043	0.673	0.690	0.366	0.014	0.69	0.69	0.70	0.41	
	Bottom side	1.099							1.10	1.10	1.10	1.10	

<Inter-Band UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3	1+2+5+8	1+2+6+8	1+2+4+7	Case No	
			WWAN	WWAN	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		1g SAR (W/kg)
LTE Band 2 Ant 0	LTE Band 7 Ant 1	Front	0.722	0.326	0.266	0.100	0.266	0.326	0.148	0.115	0.115	1.31	1.43	1.49	1.30	
		Back	0.914	0.662	0.416	0.252	0.416	0.389	0.271	0.116	0.116	1.99	2.11	2.08	2.10	42&43&44&45
		Left side	0.029	0.048						0.001	0.08	0.08	0.08	0.08		
		Right side	0.085		0.525	0.302	0.068	0.348	0.289	0.158	0.158	0.61	0.31	0.59	0.68	
		Top side		0.658	0.688	0.043	0.673	0.690	0.366	0.014	0.014	1.35	1.35	1.36	1.07	
		Bottom side	1.376									1.38	1.38	1.38	1.38	
LTE Band 2 Ant 0	LTE Band 66(4) Ant 1	Front	0.722	0.393	0.266	0.100	0.266	0.326	0.148	0.115	0.115	1.38	1.50	1.56	1.36	
		Back	0.914	0.576	0.416	0.252	0.416	0.389	0.271	0.116	0.116	1.91	2.02	2.00	2.01	46&47&48&49
		Left side	0.029	0.145						0.001	0.17	0.18	0.18	0.17		
		Right side	0.085		0.525	0.302	0.068	0.348	0.289	0.158	0.158	0.61	0.31	0.59	0.68	
		Top side		0.639	0.688	0.043	0.673	0.690	0.366	0.014	0.014	1.33	1.33	1.34	1.05	
		Bottom side	1.376									1.38	1.38	1.38	1.38	
LTE Band 66(4) Ant 0	LTE Band 26(5) Ant 1	Front	0.744	0.293	0.266	0.100	0.266	0.326	0.148	0.115	0.115	1.30	1.42	1.48	1.29	
		Back	0.937	0.631	0.416	0.252	0.416	0.389	0.271	0.116	0.116	1.98	2.10	2.07	2.09	50&51&52&53
		Left side	0.030	0.181						0.001	0.21	0.21	0.21	0.21		
		Right side	0.098		0.525	0.302	0.068	0.348	0.289	0.158	0.158	0.62	0.32	0.60	0.69	
		Top side		0.509	0.688	0.043	0.673	0.690	0.366	0.014	0.014	1.20	1.20	1.21	0.92	
		Bottom side	1.371									1.37	1.37	1.37	1.37	
LTE Band 66(4) Ant 0	LTE Band 7 Ant 1	Front	0.744	0.326	0.266	0.100	0.266	0.326	0.148	0.115	0.115	1.34	1.45	1.51	1.32	
		Back	0.937	0.662	0.416	0.252	0.416	0.389	0.271	0.116	0.116	2.02	2.13	2.10	2.12	54&55&56&57
		Left side	0.030	0.048						0.001	0.08	0.08	0.08	0.08		
		Right side	0.098		0.525	0.302	0.068	0.348	0.289	0.158	0.158	0.62	0.32	0.60	0.69	



**FCC SAR Test Report**

**Report No. : FA320205**

		Top side		0.658	0.688	0.043	0.673	0.690	0.366	0.014	1.35	1.35	1.36	1.07	
		Bottom side	1.371								1.37	1.37	1.37	1.37	
LTE Band 66(4) Ant 1	LTE Band 7 Ant 0	Front	0.393	0.576	0.266	0.100	0.266	0.326	0.148	0.115	1.24	1.35	1.41	1.22	
		Back	0.576	1.087	0.416	0.252	0.416	0.389	0.271	0.116	2.08	2.20	2.17	2.19	58&59&60&61
		Left side	0.145	0.050						0.001	0.20	0.20	0.20	0.20	
		Right side		0.044	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.64	
		Top side	0.639		0.688	0.043	0.673	0.690	0.366	0.014	1.33	1.33	1.34	1.05	
		Bottom side		1.359								1.36	1.36	1.36	1.36
LTE Band 26(5) Ant 0	LTE Band 7 Ant 1	Front	1.073	0.326	0.266	0.100	0.266	0.326	0.148	0.115	1.67	1.78	1.84	1.65	62&63&64&65
		Back	1.440	0.662	0.416	0.252	0.416	0.389	0.271	0.116	2.52	2.63	2.61	2.63	66&67&68&69
		Left side	0.156	0.048						0.001	0.20	0.21	0.21	0.20	
		Right side	0.371		0.525	0.302	0.068	0.348	0.289	0.158	0.90	0.60	0.88	0.96	
		Top side		0.658	0.688	0.043	0.673	0.690	0.366	0.014	1.35	1.35	1.36	1.07	
		Bottom side	0.885									0.89	0.89	0.89	0.89
LTE Band 26(5) Ant 1	LTE Band 7 Ant 0	Front	0.293	0.576	0.266	0.100	0.266	0.326	0.148	0.115	1.14	1.25	1.31	1.12	
		Back	0.631	1.087	0.416	0.252	0.416	0.389	0.271	0.116	2.13	2.25	2.22	2.24	70&71&72&73
		Left side	0.181	0.050						0.001	0.23	0.23	0.23	0.23	
		Right side		0.044	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.64	
		Top side	0.509		0.688	0.043	0.673	0.690	0.366	0.014	1.20	1.20	1.21	0.92	
		Bottom side		1.359								1.36	1.36	1.36	1.36
LTE Band 41 Ant 0	LTE Band 42 Ant 2	Front	0.466	0.202	0.266	0.100	0.266	0.326	0.148	0.115	0.93	1.05	1.11	0.92	
		Back	1.238	0.384	0.416	0.252	0.416	0.389	0.271	0.116	2.04	2.15	2.13	2.15	74&75&76&77
		Left side	0.041	0.505						0.001	0.55	0.55	0.55	0.55	
		Right side	0.034		0.525	0.302	0.068	0.348	0.289	0.158	0.56	0.26	0.54	0.63	
		Top side		0.034	0.688	0.043	0.673	0.690	0.366	0.014	0.72	0.72	0.74	0.44	
		Bottom side	0.917									0.92	0.92	0.92	0.92
LTE Band 41 Ant 1	LTE Band 42 Ant 2	Front	0.310	0.202	0.266	0.100	0.266	0.326	0.148	0.115	0.78	0.89	0.95	0.76	
		Back	0.569	0.384	0.416	0.252	0.416	0.389	0.271	0.116	1.37	1.49	1.46	1.48	
		Left side	0.057	0.505						0.001	0.56	0.56	0.56	0.56	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
		Top side	0.611	0.034	0.688	0.043	0.673	0.690	0.366	0.014	1.33	1.33	1.35	1.05	
		Bottom side										0.00	0.00	0.00	0.00
LTE Band 2 Ant 0	LTE Band 26(5) Ant 1	Front	0.722	0.293	0.266	0.100	0.266	0.326	0.148	0.115	1.28	1.40	1.46	1.26	
		Back	0.914	0.631	0.416	0.252	0.416	0.389	0.271	0.116	1.96	2.08	2.05	2.07	209&210&211&212
		Left side	0.029	0.181						0.001	0.21	0.21	0.21	0.21	
		Right side	0.085		0.525	0.302	0.068	0.348	0.289	0.158	0.61	0.31	0.59	0.68	
		Top side		0.509	0.688	0.043	0.673	0.690	0.366	0.014	1.20	1.20	1.21	0.92	
		Bottom side	1.376									1.38	1.38	1.38	1.38
LTE Band 66(4) Ant 1	LTE Band 26(5) Ant 0	Front	0.393	1.073	0.266	0.100	0.266	0.326	0.148	0.115	1.73	1.85	1.91	1.71	215&102&216&217
		Back	0.576	1.440	0.416	0.252	0.416	0.389	0.271	0.116	2.43	2.55	2.52	2.54	218&219&220&221
		Left side	0.145	0.156						0.001	0.30	0.30	0.30	0.30	
		Right side		0.371	0.525	0.302	0.068	0.348	0.289	0.158	0.90	0.60	0.88	0.96	
		Top side	0.639		0.688	0.043	0.673	0.690	0.366	0.014	1.33	1.33	1.34	1.05	
		Bottom side		0.885								0.89	0.89	0.89	0.89



<5G NR ENDC>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3	1+2+5+8	1+2+6+8	1+2+4+7	Case No	
		WWAN	FR1	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 0 Ant 0	FR1 n5 Ant 1	Front	0.576	0.312	0.266	0.100	0.266	0.326	0.148	0.115	1.15	1.27	1.33	1.14	
		Back	1.087	0.536	0.416	0.252	0.416	0.389	0.271	0.116	2.04	2.16	2.13	2.15	78&79&80&81
		Left side	0.050	0.228						0.001	0.28	0.28	0.28	0.28	
		Right side	0.044		0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.64	
		Top side		0.600	0.688	0.043	0.673	0.690	0.366	0.014	1.29	1.29	1.30	1.01	
		Bottom side	1.359								1.36	1.36	1.36	1.36	
LTE Band 7 Ant 1	FR1 n5 Ant 0	Front	0.326	0.713	0.266	0.100	0.266	0.326	0.148	0.115	1.31	1.42	1.48	1.29	
		Back	0.662	0.911	0.416	0.252	0.416	0.389	0.271	0.116	1.99	2.11	2.08	2.10	82&83&84&85
		Left side	0.048	0.108						0.001	0.16	0.16	0.16	0.16	
		Right side		0.266	0.525	0.302	0.068	0.348	0.289	0.158	0.79	0.49	0.77	0.86	
		Top side	0.658		0.688	0.043	0.673	0.690	0.366	0.014	1.35	1.35	1.36	1.07	
		Bottom side		0.617							0.62	0.62	0.62	0.62	
LTE Band 26 Ant 1	FR1 n7 Ant 0	Front	0.293	0.636	0.266	0.100	0.266	0.326	0.148	0.115	1.20	1.31	1.37	1.18	
		Back	0.631	1.347	0.416	0.252	0.416	0.389	0.271	0.116	2.39	2.51	2.48	2.50	86&87&88&89
		Left side	0.181	0.042						0.001	0.22	0.22	0.22	0.22	
		Right side		0.042	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.63	
		Top side	0.509		0.688	0.043	0.673	0.690	0.366	0.014	1.20	1.20	1.21	0.92	
		Bottom side		1.286							1.29	1.29	1.29	1.29	
LTE Band 26 Ant 0	FR1 n7 Ant 1	Front	1.073	0.296	0.266	0.100	0.266	0.326	0.148	0.115	1.64	1.75	1.81	1.62	90&91&92&93
		Back	1.440	0.507	0.416	0.252	0.416	0.389	0.271	0.116	2.36	2.48	2.45	2.47	94&95&96&97
		Left side	0.156	0.045						0.001	0.20	0.20	0.20	0.20	
		Right side	0.371		0.525	0.302	0.068	0.348	0.289	0.158	0.90	0.60	0.88	0.96	
		Top side		0.676	0.688	0.043	0.673	0.690	0.366	0.014	1.36	1.36	1.38	1.09	
		Bottom side	0.885								0.89	0.89	0.89	0.89	
LTE Band 66 Ant 1	FR1 n7 Ant 0	Front	0.393	0.636	0.266	0.100	0.266	0.326	0.148	0.115	1.30	1.41	1.47	1.28	
		Back	0.576	1.347	0.416	0.252	0.416	0.389	0.271	0.116	2.34	2.46	2.43	2.45	98&99&100&101
		Left side	0.145	0.042						0.001	0.19	0.19	0.19	0.19	
		Right side		0.042	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.63	
		Top side	0.639		0.688	0.043	0.673	0.690	0.366	0.014	1.33	1.33	1.34	1.05	
		Bottom side		1.286							1.29	1.29	1.29	1.29	
LTE Band 2 Ant 0	FR1 n66 Ant 1	Front	0.722	0.476	0.266	0.100	0.266	0.326	0.148	0.115	1.46	1.58	1.64	1.45	103
		Back	0.914	0.632	0.416	0.252	0.416	0.389	0.271	0.116	1.96	2.08	2.05	2.07	104&105&106&107
		Left side	0.029	0.158						0.001	0.19	0.19	0.19	0.19	
		Right side	0.085		0.525	0.302	0.068	0.348	0.289	0.158	0.61	0.31	0.59	0.68	
		Top side		0.626	0.688	0.043	0.673	0.690	0.366	0.014	1.31	1.31	1.33	1.04	
		Bottom side	1.376								1.38	1.38	1.38	1.38	
LTE Band 26 Ant 1	FR1 n66 Ant 0	Front	0.293	0.881	0.266	0.100	0.266	0.326	0.148	0.115	1.44	1.56	1.62	1.42	108
		Back	0.631	1.091	0.416	0.252	0.416	0.389	0.271	0.116	2.14	2.25	2.23	2.25	109&110&111&112
		Left side	0.181	0.040						0.001	0.22	0.22	0.22	0.22	
		Right side		0.112	0.525	0.302	0.068	0.348	0.289	0.158	0.64	0.34	0.62	0.70	
		Top side	0.509		0.688	0.043	0.673	0.690	0.366	0.014	1.20	1.20	1.21	0.92	
		Bottom side		1.435							1.44	1.44	1.44	1.44	
LTE Band 7 Ant 0	FR1 n66 Ant 1	Front	0.576	0.476	0.266	0.100	0.266	0.326	0.148	0.115	1.32	1.43	1.49	1.30	
		Back	1.087	0.632	0.416	0.252	0.416	0.389	0.271	0.116	2.14	2.25	2.22	2.24	113&114&115&116
		Left side	0.050	0.158						0.001	0.21	0.21	0.21	0.21	
		Right side	0.044		0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.64	
		Top side		0.626	0.688	0.043	0.673	0.690	0.366	0.014	1.31	1.31	1.33	1.04	
		Bottom side	1.359								1.36	1.36	1.36	1.36	
LTE Band	FR1 n41	Front	0.393	0.526	0.266	0.100	0.266	0.326	0.148	0.115	1.19	1.30	1.36	1.17	
		Back	0.576	1.436	0.416	0.252	0.416	0.389	0.271	0.116	2.43	2.54	2.52	2.54	117&118&119&120



**FCC SAR Test Report**

**Report No. : FA320205**

66 Ant 1	Ant 0	Left side	0.145	0.056					0.001	0.20	0.20	0.20	0.20		
		Right side		0.049	0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.28	0.56	0.64	
		Top side	0.639		0.688	0.043	0.673	0.690	0.366	0.014	1.33	1.33	1.34	1.05	
		Bottom side		1.099							1.10	1.10	1.10	1.10	
LTE Band 2 Ant 0	FR1 n77 Ant 2	Front	0.722	0.331	0.266	0.100	0.266	0.326	0.148	0.115	1.32	1.43	1.49	1.30	
		Back	0.914	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.70	1.82	1.79	1.81	121&122&123&124
		Left side	0.029	0.723						0.001	0.75	0.75	0.75	0.75	
		Right side	0.085		0.525	0.302	0.068	0.348	0.289	0.158	0.61	0.31	0.59	0.68	
		Top side		0.099	0.688	0.043	0.673	0.690	0.366	0.014	0.79	0.79	0.80	0.51	
		Bottom side	1.376								1.38	1.38	1.38	1.38	
LTE Band 2 Ant 1	FR1 n77 Ant 2	Front	0.357	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.95	1.07	1.13	0.94	
		Back	0.556	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.34	1.46	1.43	1.45	
		Left side	0.103	0.723						0.001	0.83	0.83	0.83	0.83	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
		Top side	0.672	0.099	0.688	0.043	0.673	0.690	0.366	0.014	1.46	1.46	1.48	1.18	
		Bottom side									0.00	0.00	0.00	0.00	
LTE Band 66 Ant 0	FR1 n77 Ant 2	Front	0.744	0.331	0.266	0.100	0.266	0.326	0.148	0.115	1.34	1.46	1.52	1.32	
		Back	0.937	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.73	1.84	1.81	1.83	125&126&127&128
		Left side	0.030	0.723						0.001	0.75	0.75	0.75	0.75	
		Right side	0.098		0.525	0.302	0.068	0.348	0.289	0.158	0.62	0.32	0.60	0.69	
		Top side		0.099	0.688	0.043	0.673	0.690	0.366	0.014	0.79	0.79	0.80	0.51	
		Bottom side	1.371								1.37	1.37	1.37	1.37	
LTE Band 66 Ant 1	FR1 n77 Ant 2	Front	0.393	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.99	1.11	1.17	0.97	
		Back	0.576	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.36	1.48	1.45	1.47	
		Left side	0.145	0.723						0.001	0.87	0.87	0.87	0.87	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
		Top side	0.639	0.099	0.688	0.043	0.673	0.690	0.366	0.014	1.43	1.43	1.44	1.15	
		Bottom side									0.00	0.00	0.00	0.00	
LTE Band 26 Ant 0	FR1 n77 Ant 2	Front	1.073	0.331	0.266	0.100	0.266	0.326	0.148	0.115	1.67	1.79	1.85	1.65	129&130&131&132
		Back	1.440	0.372	0.416	0.252	0.416	0.389	0.271	0.116	2.23	2.34	2.32	2.34	133&134&135&136
		Left side	0.156	0.723						0.001	0.88	0.88	0.88	0.88	
		Right side	0.371		0.525	0.302	0.068	0.348	0.289	0.158	0.90	0.60	0.88	0.96	
		Top side		0.099	0.688	0.043	0.673	0.690	0.366	0.014	0.79	0.79	0.80	0.51	
		Bottom side	0.885								0.89	0.89	0.89	0.89	
LTE Band 26 Ant 1	FR1 n77 Ant 2	Front	0.293	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.89	1.01	1.07	0.87	
		Back	0.631	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.42	1.54	1.51	1.53	
		Left side	0.181	0.723						0.001	0.90	0.91	0.91	0.90	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
		Top side	0.509	0.099	0.688	0.043	0.673	0.690	0.366	0.014	1.30	1.30	1.31	1.02	
		Bottom side									0.00	0.00	0.00	0.00	
LTE Band 7 Ant 0	FR1 n77 Ant 2	Front	0.576	0.331	0.266	0.100	0.266	0.326	0.148	0.115	1.17	1.29	1.35	1.16	
		Back	1.087	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.88	1.99	1.96	1.98	137&138&139&140
		Left side	0.050	0.723						0.001	0.77	0.77	0.77	0.77	
		Right side	0.044		0.525	0.302	0.068	0.348	0.289	0.158	0.57	0.27	0.55	0.64	
		Top side		0.099	0.688	0.043	0.673	0.690	0.366	0.014	0.79	0.79	0.80	0.51	
		Bottom side	1.359								1.36	1.36	1.36	1.36	
LTE Band 7 Ant 1	FR1 n77 Ant 2	Front	0.326	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.92	1.04	1.10	0.91	
		Back	0.662	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.45	1.57	1.54	1.56	
		Left side	0.048	0.723						0.001	0.77	0.77	0.77	0.77	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59	
		Top side	0.658	0.099	0.688	0.043	0.673	0.690	0.366	0.014	1.45	1.44	1.46	1.17	
		Bottom side									0.00	0.00	0.00	0.00	
LTE Band 41 Ant 0	FR1 n77 Ant 2	Front	0.466	0.331	0.266	0.100	0.266	0.326	0.148	0.115	1.06	1.18	1.24	1.05	
		Back	1.238	0.372	0.416	0.252	0.416	0.389	0.271	0.116	2.03	2.14	2.12	2.13	141&142&143&144
		Left side	0.041	0.723						0.001	0.76	0.77	0.77	0.76	
		Right side	0.034		0.525	0.302	0.068	0.348	0.289	0.158	0.56	0.26	0.54	0.63	





**FCC SAR Test Report**

**Report No. : FA320205**

		Top side		0.099	0.688	0.043	0.673	0.690	0.366	0.014	0.79	0.79	0.80	0.51		
		Bottom side	0.917								0.92	0.92	0.92	0.92		
LTE Band 41 Ant 1	FR1 n77 Ant 2	Front	0.310	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.91	1.02	1.08	0.89		
		Back	0.569	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.36	1.47	1.45	1.46		
		Left side	0.057	0.723							0.001	0.78	0.78	0.78	0.78	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59		
		Top side	0.611	0.099	0.688	0.043	0.673	0.690	0.366	0.014	1.40	1.40	1.41	1.12		
		Bottom side									0.00	0.00	0.00	0.00		
LTE Band 66 Ant 1	FR1 n2 Ant 0	Front	0.393	0.331	0.266	0.100	0.266	0.326	0.148	0.115	0.99	1.11	1.17	0.97		
		Back	0.576	0.372	0.416	0.252	0.416	0.389	0.271	0.116	1.36	1.48	1.45	1.47		
		Left side	0.145	0.723							0.001	0.87	0.87	0.87	0.87	
		Right side			0.525	0.302	0.068	0.348	0.289	0.158	0.53	0.23	0.51	0.59		
		Top side	0.639	0.099	0.688	0.043	0.673	0.690	0.366	0.014	1.43	1.43	1.44	1.15		
		Bottom side									0.00	0.00	0.00	0.00		



16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	3+7	1+2	1+5+9	1+6+9	1+4+8	Case No
		WWAN	WLAN2.4G Hz Ant 6+3 non DBS	WLAN2.4G Hz Ant 6 DBS Only	WLAN2.4G Hz Ant 6 DBS	WLAN2.4G Hz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS only	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
All Bands Ant 1	Front	0.887	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.04	1.12	0.54	1.13	
	Back	1.168	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.47	1.46	0.73	1.56	
All Bands Ant 2	Front	0.795	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.94	1.03	0.54	1.04	
	Back	1.051	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.35	1.34	0.73	1.45	
All Bands Ant 4	Front	0.735	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.88	0.97	0.54	0.98	
	Back	0.920	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.22	1.21	0.73	1.32	
All Bands Ant 5	Front	1.119	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.27	1.35	0.54	1.36	
	Back	1.145	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.45	1.43	0.73	1.54	
GSM850 Ant 0	Front	1.056	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.21	1.29	0.54	1.30	
	Back	1.236	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.54	1.52	0.73	1.63	226
GSM1900 Ant 0	Front	0.798	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.95	1.03	0.54	1.04	
	Back	1.274	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.58	1.56	0.73	1.67	227
WCDMA II Ant 0	Front	0.948	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.10	1.18	0.54	1.19	
	Back	1.426	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.73	1.71	0.73	1.82	228&229&230
WCDMA IV Ant 0	Front	0.971	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.12	1.20	0.54	1.21	
	Back	1.397	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.70	1.69	0.73	1.79	231&232&233
WCDMA V Ant 0	Front	1.120	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.27	1.35	0.54	1.36	
	Back	1.354	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.66	1.64	0.73	1.75	234&235&236
LTE Band 2 Ant 0	Front	0.963	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.11	1.19	0.54	1.21	
	Back	1.173	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.47	1.46	0.73	1.57	
LTE Band 7 Ant 0	Front	0.560	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.71	0.79	0.54	0.80	
	Back	1.027	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.33	1.32	0.73	1.42	
LTE Band 12 Ant 0	Front	0.730	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.88	0.96	0.54	0.97	
	Back	1.104	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.41	1.39	0.73	1.50	
LTE Band 13 Ant 0	Front	0.923	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.07	1.15	0.54	1.17	
	Back	1.222	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.52	1.51	0.73	1.62	237
LTE Band 26 Ant 0	Front	1.073	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.22	1.30	0.54	1.32	
	Back	1.440	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.74	1.73	0.73	1.84	238&239&240
LTE Band 66 Ant 0	Front	0.947	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.10	1.18	0.54	1.19	
	Back	1.302	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.60	1.59	0.73	1.70	241&242
LTE Band 41 Ant 0	Front	0.466	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.62	0.70	0.54	0.71	
	Back	1.238	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.54	1.53	0.73	1.63	243
FR1 n2 Ant 0	Front	1.081	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.23	1.31	0.54	1.32	
	Back	1.323	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.62	1.61	0.73	1.72	244&245&246
FR1 n5 Ant 0	Front	0.713	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.86	0.94	0.54	0.96	
	Back	0.911	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.21	1.20	0.73	1.31	
FR1 n7 Ant 0	Front	0.636	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.79	0.87	0.54	0.88	
	Back	1.347	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.65	1.64	0.73	1.74	247&248&249
FR1 n66 Ant 0	Front	1.078	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.23	1.31	0.54	1.32	
	Back	1.336	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.64	1.62	0.73	1.73	250&251&252
FR1 n41 Ant 0	Front	0.526	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	0.68	0.76	0.54	0.77	
	Back	1.436	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.74	1.72	0.73	1.83	253&254&255
FR1 n77 Ant 7	Front	0.975	0.149	0.771	0.076	0.116	0.278	0.799	0.166	0.115	1.57	1.12	1.21	0.54	1.22	
	Back	1.153	0.301	0.771	0.213	0.172	0.312	0.799	0.182	0.116	1.57	1.45	1.44	0.73	1.55	



<Inter-Band UL CA>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3	1+2+5+8	1+2+6+8	1+2+4+7	Case No
			WWAN	WWAN	WLAN2.4GHz Ant 6+3 non DBD	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non BDS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant 0	LTE Band 26(5) Ant 1	Front	0.963	0.710	0.149	0.076	0.116	0.278	0.166	0.115	1.82	1.90	2.07	1.92	256&257&258&259
		Back	1.173	1.021	0.301	0.213	0.172	0.312	0.182	0.116	2.50	2.48	2.62	2.59	260&261&262&263
LTE Band 2 Ant 0	LTE Band 7 Ant 1	Front	0.963	0.561	0.149	0.076	0.116	0.278	0.166	0.115	1.67	1.76	1.92	1.77	264&265&266&267
		Back	1.173	1.166	0.301	0.213	0.172	0.312	0.182	0.116	2.64	2.63	2.77	2.73	268&269&270&271
LTE Band 2 Ant 0	LTE Band 66(4) Ant 1	Front	0.963	0.661	0.149	0.076	0.116	0.278	0.166	0.115	1.77	1.86	2.02	1.87	272&273&274&275
		Back	1.173	1.168	0.301	0.213	0.172	0.312	0.182	0.116	2.64	2.63	2.77	2.74	276&277&278&279
LTE Band 66(4) Ant 0	LTE Band 26(5) Ant 1	Front	0.947	0.710	0.149	0.076	0.116	0.278	0.166	0.115	1.81	1.89	2.05	1.90	280&281&282&283
		Back	1.302	1.021	0.301	0.213	0.172	0.312	0.182	0.116	2.62	2.61	2.75	2.72	284&285&286&287
LTE Band 66(4) Ant 1	LTE Band 26(5) Ant 0	Front	0.661	1.073	0.149	0.076	0.116	0.278	0.166	0.115	1.88	1.97	2.13	1.98	288&289&290&291
		Back	1.168	1.440	0.301	0.213	0.172	0.312	0.182	0.116	2.91	2.90	3.04	3.00	292&293&294&295
LTE Band 66(4) Ant 0	LTE Band 7 Ant 1	Front	0.947	0.561	0.149	0.076	0.116	0.278	0.166	0.115	1.66	1.74	1.90	1.75	296&297&298&299
		Back	1.302	1.166	0.301	0.213	0.172	0.312	0.182	0.116	2.77	2.76	2.90	2.86	300&301&302&303
LTE Band 66(4) Ant 1	LTE Band 7 Ant 0	Front	0.661	0.560	0.149	0.076	0.116	0.278	0.166	0.115	1.37	1.45	1.61	1.46	304
		Back	1.168	1.027	0.301	0.213	0.172	0.312	0.182	0.116	2.50	2.48	2.62	2.59	305&306&307&308
LTE Band 26(5) Ant 0	LTE Band 7 Ant 1	Front	1.073	0.561	0.149	0.076	0.116	0.278	0.166	0.115	1.78	1.87	2.03	1.88	309&310&311&312
		Back	1.440	1.166	0.301	0.213	0.172	0.312	0.182	0.116	2.91	2.89	3.03	3.00	313&314&315&316
LTE Band 26(5) Ant 1	LTE Band 7 Ant 0	Front	0.710	0.560	0.149	0.076	0.116	0.278	0.166	0.115	1.42	1.50	1.66	1.51	317
		Back	1.021	1.027	0.301	0.213	0.172	0.312	0.182	0.116	2.35	2.34	2.48	2.44	318&319&320&321
LTE Band 41 Ant 0	LTE Band 42 Ant 2	Front	0.466	0.284	0.149	0.076	0.116	0.278	0.166	0.115	0.90	0.98	1.14	0.99	
		Back	1.238	0.533	0.301	0.213	0.172	0.312	0.182	0.116	2.07	2.06	2.20	2.17	322&323&324&325
LTE Band 41 Ant 1	LTE Band 42 Ant 2	Front	0.302	0.284	0.149	0.076	0.116	0.278	0.166	0.115	0.74	0.82	0.98	0.83	
		Back	0.558	0.533	0.301	0.213	0.172	0.312	0.182	0.116	1.39	1.38	1.52	1.49	

<5G NR ENDC>

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3	1+2+5+8	1+2+6+8	1+2+4+7	Case No
			WWAN	FR1	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non BDS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 7 Ant 0	FR1 n5 Ant 1	Front	0.560	0.312	0.149	0.076	0.116	0.278	0.166	0.115	1.02	1.10	1.27	1.11	
		Back	1.027	0.536	0.301	0.213	0.172	0.312	0.182	0.116	1.86	1.85	1.99	1.96	326&327&328&329
LTE Band 7 Ant 1	FR1 n5 Ant 0	Front	0.561	0.713	0.149	0.076	0.116	0.278	0.166	0.115	1.42	1.51	1.67	1.52	330
		Back	1.166	0.911	0.301	0.213	0.172	0.312	0.182	0.116	2.38	2.37	2.51	2.47	331&332&333&334
LTE Band 26 Ant 1	FR1 n7 Ant 0	Front	0.487	0.636	0.149	0.076	0.116	0.278	0.166	0.115	1.27	1.35	1.52	1.37	
		Back	1.048	1.347	0.301	0.213	0.172	0.312	0.182	0.116	2.70	2.68	2.82	2.79	335&336&337&338
LTE Band 26 Ant 0	FR1 n7 Ant 1	Front	1.073	0.622	0.149	0.076	0.116	0.278	0.166	0.115	1.84	1.93	2.09	1.94	339&340&341&342
		Back	1.440	1.061	0.301	0.213	0.172	0.312	0.182	0.116	2.80	2.79	2.93	2.90	343&344&345&346
LTE Band 66 Ant 1	FR1 n7 Ant 0	Front	0.661	0.636	0.149	0.076	0.116	0.278	0.166	0.115	1.45	1.53	1.69	1.54	347
		Back	1.168	1.347	0.301	0.213	0.172	0.312	0.182	0.116	2.82	2.80	2.94	2.91	348&349&350&351
LTE Band 2 Ant 0	FR1 n6 Ant 1	Front	0.963	0.823	0.149	0.076	0.116	0.278	0.166	0.115	1.94	2.02	2.18	2.03	352&353&354&355
		Back	1.173	1.094	0.301	0.213	0.172	0.312	0.182	0.116	2.57	2.56	2.70	2.66	356&357&358&359
LTE Band 26 Ant 1	FR1 n6 Ant 0	Front	0.487	1.078	0.149	0.076	0.116	0.278	0.166	0.115	1.71	1.80	1.96	1.81	360&361&362&363
		Back	1.048	1.336	0.301	0.213	0.172	0.312	0.182	0.116	2.69	2.67	2.81	2.78	364&365&366&367
LTE Band 7 Ant 0	FR1 n6 Ant 1	Front	0.560	0.823	0.149	0.076	0.116	0.278	0.166	0.115	1.53	1.61	1.78	1.63	368&369&370
		Back	1.027	1.094	0.301	0.213	0.172	0.312	0.182	0.116	2.42	2.41	2.55	2.52	371&372&373&374
LTE Band 66 Ant 1	FR1 n41 Ant 0	Front	0.661	0.526	0.149	0.076	0.116	0.278	0.166	0.115	1.34	1.42	1.58	1.43	
		Back	1.168	1.436	0.301	0.213	0.172	0.312	0.182	0.116	2.91	2.89	3.03	3.00	375&376&377&378
LTE Band 2 Ant 0	FR1 n77 Ant 2	Front	0.963	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.43	1.52	1.68	1.53	379
		Back	1.173	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.99	1.98	2.12	2.09	380&381&382&383



**FCC SAR Test Report**

**Report No. : FA320205**

LTE Band 2 Ant 1	FR1 n77 Ant 2	Front	0.710	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.18	1.26	1.42	1.27	
		Back	0.554	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.37	1.36	1.50	1.47	
LTE Band 66 Ant 0	FR1 n77 Ant 2	Front	0.947	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.42	1.50	1.66	1.51	384
		Back	1.302	0.518	0.301	0.213	0.172	0.312	0.182	0.116	2.12	2.11	2.25	2.22	385&386&387&388
LTE Band 66 Ant 1	FR1 n77 Ant 2	Front	0.661	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.13	1.21	1.38	1.22	
		Back	0.534	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.35	1.34	1.48	1.45	
LTE Band 26 Ant 0	FR1 n77 Ant 2	Front	1.073	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.54	1.63	1.79	1.64	389&390&391
		Back	1.440	0.518	0.301	0.213	0.172	0.312	0.182	0.116	2.26	2.25	2.39	2.35	392&393&394&395
LTE Band 26 Ant 1	FR1 n77 Ant 2	Front	0.487	0.321	0.149	0.076	0.116	0.278	0.166	0.115	0.96	1.04	1.20	1.05	
		Back	0.539	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.36	1.35	1.49	1.45	
LTE Band 7 Ant 0	FR1 n77 Ant 2	Front	0.560	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.03	1.11	1.27	1.12	
		Back	1.027	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.85	1.83	1.97	1.94	396&397&398&399
LTE Band 7 Ant 1	FR1 n77 Ant 2	Front	0.561	0.321	0.149	0.076	0.116	0.278	0.166	0.115	1.03	1.11	1.28	1.12	
		Back	0.554	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.37	1.36	1.50	1.47	
LTE Band 41 Ant 0	FR1 n77 Ant 2	Front	0.466	0.321	0.149	0.076	0.116	0.278	0.166	0.115	0.94	1.02	1.18	1.03	
		Back	1.238	0.518	0.301	0.213	0.172	0.312	0.182	0.116	2.06	2.04	2.18	2.15	400&401&402&403

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3	1+2+5+8	1+2+6+8	1+2+4+7	Case No	
			WWAN	FR1	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non BDS	WLAN 5GHz Ant 5 DBS	Bluetooth Ant 6	Summed	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
LTE Band 41 Ant 1	FR1 n77 Ant 2	Front	0.302	0.321	0.149	0.076	0.116	0.278	0.166	0.115	0.77	0.85	1.02	0.87		
		Back	0.558	0.518	0.301	0.213	0.172	0.312	0.182	0.116	1.38	1.36	1.50	1.47		
LTE Band 66 Ant 1	FR1 n2 Ant 0	Front	0.661	1.081	0.149	0.076	0.116	0.278	0.166	0.115	1.89	1.97	2.14	1.98	404&405&406&407	
		Back	1.168	1.323	0.301	0.213	0.172	0.312	0.182	0.116	2.79	2.78	2.92	2.89	408&409&410&414	

**<Sensor off>**

WWAN Band	Exposure Position	1	2	3	1+2+3
		WWAN	WLAN2.4GHz Ant 6+3	WLAN 5GHz Ant 5+4	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
All Bands	Front	0.795	0.080	0.190	1.07
	Back	1.032	0.130	0.201	1.36



16.4 Product specific 10g SAR Exposure Conditions

Remark:

- For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	1	2	3	4	5	6	7	1+2+7	1+4+7	1+5+7	1+3+6+7	Case No	
		WWAN	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	NFC	Summed	Summed	Summed	Summed		
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
All Band Ant1	Front	1.902				1.123	0.921	0.003	1.91	1.91	3.03	2.83		
	Back	2.600	0.525		0.303	0.356	0.206	0.020	3.15	2.92	2.98	2.83		
	Left side							0.003	0.00	0.00	0.00	0.00		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side	2.731	1.067		1.016	1.136	1.075	0.001	3.80	3.75	3.87	3.81		
	Bottom side							0.001	0.00	0.00	0.00	0.00		
All Band Ant2	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92		
	Back		0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23		
	Left side	1.736						0.003	1.74	1.74	1.74	1.74		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side							0.001	0.00	0.00	0.00	0.00		
All Band Ant4	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92		
	Back		0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23		
	Left side							0.003	0.00	0.00	0.00	0.00		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side	1.460	1.067		1.016	1.136	1.075	0.001	2.53	2.48	2.60	2.54		
	Bottom side							0.001	0.00	0.00	0.00	0.00		
All Band Ant5	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92		
	Back		0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23		
	Left side							0.003	0.00	0.00	0.00	0.00		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side							0.001	0.00	0.00	0.00	0.00		
All Band Ant7	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92		
	Back	1.653	0.525		0.303	0.356	0.206	0.020	2.20	1.98	2.03	1.88		
	Left side	1.438						0.003	1.44	1.44	1.44	1.44		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side	0.591						0.001	0.59	0.59	0.59	0.59		
GSM850 Ant 0	Front	2.301				1.123	0.921	0.003	2.30	2.30	3.43	3.23		
	Back	2.167	0.525		0.303	0.356	0.206	0.020	2.71	2.49	2.54	2.39		
	Left side							0.003	0.00	0.00	0.00	0.00		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side	1.303						0.001	1.30	1.30	1.30	1.30		
GSM1900 Ant 0	Front	3.337				1.123	0.921	0.003	3.34	3.34	4.46	4.26	145&146	
	Back	3.097	0.525		0.303	0.356	0.206	0.020	3.64	3.42	3.47	3.32		
	Left side							0.003	0.00	0.00	0.00	0.00		
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side	1.457						0.001	1.46	1.46	1.46	1.46		
WCDMA IV Ant 0	Front	3.522				1.123	0.921	0.003	3.53	3.53	4.65	4.45	147&148	
	Back	3.292	0.525		0.303	0.356	0.206	0.020	3.84	3.62	3.67	3.52		
	Left side							0.003	0.00	0.00	0.00	0.00		





	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	0.939						0.001	0.94	0.94	0.94	0.94	
WCDMA V Ant 0	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92	
	Back	1.396	0.525		0.303	0.356	0.206	0.020	1.94	1.72	1.77	1.62	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side								0.001	0.00	0.00	0.00	0.00
LTE Band 2 Ant 0	Front	3.277				1.123	0.921	0.003	3.28	3.28	4.40	4.20	149&150
	Back	2.982	0.525		0.303	0.356	0.206	0.020	3.53	3.31	3.36	3.21	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	1.623							0.001	1.62	1.62	1.62	1.62
LTE Band 7 Ant 0	Front	0.958				1.123	0.921	0.003	0.96	0.96	2.08	1.88	
	Back	1.381	0.525		0.303	0.356	0.206	0.020	1.93	1.70	1.76	1.61	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	0.515							0.001	0.52	0.52	0.52	0.52
LTE Band 26 Ant 0	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92	
	Back	1.534	0.525		0.303	0.356	0.206	0.020	2.08	1.86	1.91	1.76	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side								0.001	0.00	0.00	0.00	0.00
LTE Band 66 Ant 0	Front	3.521				1.123	0.921	0.003	3.52	3.52	4.65	4.45	151&152
	Back	3.298	0.525		0.303	0.356	0.206	0.020	3.84	3.62	3.67	3.52	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	0.939							0.001	0.94	0.94	0.94	0.94
LTE Band 41 Ant 0	Front	0.711				1.123	0.921	0.003	0.71	0.71	1.84	1.64	
	Back	1.087	0.525		0.303	0.356	0.206	0.020	1.63	1.41	1.46	1.31	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	0.386							0.001	0.39	0.39	0.39	0.39
FR1 n2 Ant 0	Front	3.252				1.123	0.921	0.003	3.26	3.26	4.38	4.18	153&154
	Back	2.995	0.525		0.303	0.356	0.206	0.020	3.54	3.32	3.37	3.22	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	1.889							0.001	1.89	1.89	1.89	1.89
FR1 n7 Ant 0	Front	0.975				1.123	0.921	0.003	0.98	0.98	2.10	1.90	
	Back	1.543	0.525		0.303	0.356	0.206	0.020	2.09	1.87	1.92	1.77	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	0.568							0.001	0.57	0.57	0.57	0.57
FR1 n66 Ant 0	Front	3.453				1.123	0.921	0.003	3.46	3.46	4.58	4.38	155&156
	Back	3.171	0.525		0.303	0.356	0.206	0.020	3.72	3.49	3.55	3.40	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	



FR1 n41 Ant 0	Bottom side	0.926						0.001	0.93	0.93	0.93	0.93	
	Front	0.849				1.123	0.921	0.003	0.85	0.85	1.98	1.77	
	Back	1.629	0.525		0.303	0.356	0.206	0.020	2.17	1.95	2.01	1.86	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side	0.459						0.001	0.46	0.46	0.46	0.46	
LTE Band 13 Ant 0	Front					1.123	0.921	0.003	0.00	0.00	1.13	0.92	
	Back	1.066	0.525		0.303	0.356	0.206	0.020	1.61	1.39	1.44	1.29	
	Left side							0.003	0.00	0.00	0.00	0.00	
	Right side		0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
	Top side		1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
	Bottom side							0.001	0.00	0.00	0.00	0.00	

<Inter-Band UL CA>

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+3+8	1+2+5+8	1+2+6+8	1+2+4+7+8	Case No
			WWAN	WWAN	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	NFC	Summed	Summed	Summed	Summed	
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
LTE Band 2 Ant 0	LTE Band 7 Ant 1	Front	3.277					1.123	0.921	0.003	3.28	3.28	4.40	4.20	157&158
		Back	2.982		0.525		0.303	0.356	0.206	0.020	3.53	3.31	3.36	3.21	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side	1.623							0.001	1.62	1.62	1.62	1.62	
LTE Band 2 Ant 0	LTE Band 66(4) Ant 1	Front	3.277	1.672				1.123	0.921	0.003	4.95	4.95	6.08	5.87	159&160&161&162
		Back	2.982	2.319	0.525		0.303	0.356	0.206	0.020	5.85	5.62	5.68	5.53	174&175&163&164
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side		2.394	1.067		1.016	1.136	1.075	0.001	3.46	3.41	3.53	3.47	
		Bottom side	1.623							0.001	1.62	1.62	1.62	1.62	
LTE Band 66(4) Ant 0	LTE Band 26(5) Ant 1	Front	3.521					1.123	0.921	0.003	3.52	3.52	4.65	4.45	165&166
		Back	3.298		0.525		0.303	0.356	0.206	0.020	3.84	3.62	3.67	3.52	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side	0.939							0.001	0.94	0.94	0.94	0.94	
LTE Band 66(4) Ant 0	LTE Band 7 Ant 1	Front	3.521					1.123	0.921	0.003	3.52	3.52	4.65	4.45	167&168
		Back	3.298		0.525		0.303	0.356	0.206	0.020	3.84	3.62	3.67	3.52	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side	0.939							0.001	0.94	0.94	0.94	0.94	
LTE Band 66(4) Ant 1	LTE Band 7 Ant 0	Front	1.672	0.958				1.123	0.921	0.003	2.63	2.63	3.76	3.55	
		Back	2.319	1.381	0.525		0.303	0.356	0.206	0.020	4.25	4.02	4.08	3.93	170&171&172
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side	2.394		1.067		1.016	1.136	1.075	0.001	3.46	3.41	3.53	3.47	
		Bottom side		0.515						0.001	0.52	0.52	0.52	0.52	
LTE Band 26(5) Ant 0	LTE Band 7 Ant 1	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92	
		Back	1.534		0.525		0.303	0.356	0.206	0.020	2.08	1.86	1.91	1.76	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side								0.001	0.00	0.00	0.00	0.00	



LTE Band 26(5) Ant 1	LTE Band 7 Ant 0	Front		0.958				1.123	0.921	0.003	0.96	0.96	2.08	1.88	
		Back		1.381	0.525		0.303	0.356	0.206	0.020	1.93	1.70	1.76	1.61	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side		0.515						0.001	0.52	0.52	0.52	0.52	
LTE Band 41 Ant 0	LTE Band 42 Ant 2	Front	0.711					1.123	0.921	0.003	0.71	0.71	1.84	1.64	
		Back	1.087		0.525		0.303	0.356	0.206	0.020	1.63	1.41	1.46	1.31	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side	0.386							0.001	0.39	0.39	0.39	0.39	
LTE Band 41 Ant 1	LTE Band 42 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92	
		Back			0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side								0.001	0.00	0.00	0.00	0.00	
LTE Band 2 Ant 0	LTE Band 26(5) Ant 1	Front	3.277					1.123	0.921	0.003	3.28	3.28	4.40	4.20	213&214
		Back	2.982		0.525		0.303	0.356	0.206	0.020	3.53	3.31	3.36	3.21	
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08	
		Bottom side	1.623							0.001	1.62	1.62	1.62	1.62	
LTE Band 66(4) Ant 1	LTE Band 26(5) Ant 0	Front	1.672					1.123	0.921	0.003	1.68	1.68	2.80	2.60	
		Back	2.319	1.534	0.525		0.303	0.356	0.206	0.020	4.40	4.18	4.23	4.08	222&176&169&173
		Left side								0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21	
		Top side	2.394		1.067		1.016	1.136	1.075	0.001	3.46	3.41	3.53	3.47	
		Bottom side								0.001	0.00	0.00	0.00	0.00	

<5G NR ENDC>

WWAN Band	WWAN Band	Exposure Position	1		2		3		4		5		6		7		8		1+2+3+8		1+2+5+8		1+2+6+8		1+2+4+7+8		Case No	
			WWAN	FR1	WLAN2.4GHz Ant 6+3 non DBS	WLAN2.4GHz Ant 6 DBS	WLAN2.4GHz Ant 3 non DBS	WLAN 5GHz Ant 5+4 non DBS	WLAN 5GHz Ant 5 DBS	NFC	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed	Summed		
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
LTE Band 7 Ant 0	FR1 n5 Ant 1	Front	0.958								1.123	0.921	0.003	0.96	0.96	2.08	1.88											
		Back	1.381		0.525		0.303	0.356	0.206	0.020	1.93	1.70	1.76	1.61														
		Left side									0.003	0.00	0.00	0.00	0.00													
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21														
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08														
		Bottom side	0.515								0.001	0.52	0.52	0.52	0.52													
LTE Band 7 Ant 1	FR1 n5 Ant 0	Front								1.123	0.921	0.003	0.00	0.00	1.13	0.92												
		Back			0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23														
		Left side									0.003	0.00	0.00	0.00	0.00													
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21														
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08														
		Bottom side									0.001	0.00	0.00	0.00	0.00													
LTE Band 26 Ant 1	FR1 n7 Ant 0	Front		0.975						1.123	0.921	0.003	0.98	0.98	2.10	1.90												
		Back		1.543	0.525		0.303	0.356	0.206	0.020	2.09	1.87	1.92	1.77														
		Left side									0.003	0.00	0.00	0.00	0.00													
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21														
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08														
		Bottom side		0.568							0.001	0.57	0.57	0.57	0.57													
LTE	FR1 n7	Front								1.123	0.921	0.003	0.00	0.00	1.13	0.92												



Band 26 Ant 0	Ant 1	Back	1.534		0.525		0.303	0.356	0.206	0.020	2.08	1.86	1.91	1.76		
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side		1.541	1.067		1.016	1.136	1.075	0.001	2.61	2.56	2.68	2.62		
		Bottom side									0.001	0.00	0.00	0.00	0.00	
LTE Band 66 Ant 1	FR1 n7 Ant 0	Front	1.672	0.975				1.123	0.921	0.003	2.65	2.65	3.77	3.57		
		Back	2.319	1.543	0.525		0.303	0.356	0.206	0.020	4.41	4.19	4.24	4.09	177&178&179&180	
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side	2.394		1.067		1.016	1.136	1.075	0.001	3.46	3.41	3.53	3.47		
	Bottom side		0.568							0.001	0.57	0.57	0.57	0.57		
LTE Band 2 Ant 0	FR1 n66 Ant 1	Front	3.277					1.123	0.921	0.003	3.28	3.28	4.40	4.20	181&182	
		Back	2.982	2.540	0.525		0.303	0.356	0.206	0.020	6.07	5.85	5.90	5.75	183&184&185&186	
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side		2.592	1.067		1.016	1.136	1.075	0.001	3.66	3.61	3.73	3.67		
	Bottom side	1.623								0.001	1.62	1.62	1.62	1.62		
LTE Band 26 Ant 1	FR1 n66 Ant 0	Front		3.453				1.123	0.921	0.003	3.46	3.46	4.58	4.38	187&188	
		Back		3.171	0.525		0.303	0.356	0.206	0.020	3.72	3.49	3.55	3.40		
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side		0.926							0.001	0.93	0.93	0.93	0.93		
LTE Band 7 Ant 0	FR1 n66 Ant 1	Front	0.958					1.123	0.921	0.003	0.96	0.96	2.08	1.88		
		Back	1.381	2.540	0.525		0.303	0.356	0.206	0.020	4.47	4.24	4.30	4.15	189&190&191&192	
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side		2.592	1.067		1.016	1.136	1.075	0.001	3.66	3.61	3.73	3.67		
	Bottom side	0.515								0.001	0.52	0.52	0.52	0.52		
LTE Band 66 Ant 1	FR1 n41 Ant 0	Front	1.672	0.849				1.123	0.921	0.003	2.52	2.52	3.65	3.45		
		Back	2.319	1.629	0.525		0.303	0.356	0.206	0.020	4.49	4.27	4.32	4.17	193&194&195&196	
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side	2.394		1.067		1.016	1.136	1.075	0.001	3.46	3.41	3.53	3.47		
	Bottom side		0.459							0.001	0.46	0.46	0.46	0.46		
LTE Band 2 Ant 0	FR1 n77 Ant 2	Front	3.277					1.123	0.921	0.003	3.28	3.28	4.40	4.20	197&198	
		Back	2.982		0.525		0.303	0.356	0.206	0.020	3.53	3.31	3.36	3.21		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side	1.623								0.001	1.62	1.62	1.62	1.62		
LTE Band 2 Ant 1	FR1 n77 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92		
		Back	1.878		0.525		0.303	0.356	0.206	0.020	2.42	2.20	2.25	2.10		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side	2.511		1.067		1.016	1.136	1.075	0.001	3.58	3.53	3.65	3.59		
	Bottom side									0.001	0.00	0.00	0.00	0.00		
LTE Band 66 Ant 0	FR1 n77 Ant 2	Front	3.521					1.123	0.921	0.003	3.52	3.52	4.65	4.45	199&200	
		Back	3.298		0.525		0.303	0.356	0.206	0.020	3.84	3.62	3.67	3.52		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
	Bottom side	0.939								0.001	0.94	0.94	0.94	0.94		
LTE Band 66 Ant 1	FR1 n77 Ant 2	Front	1.918					1.123	0.921	0.003	1.92	1.92	3.04	2.84		
		Back	2.614		0.525		0.303	0.356	0.206	0.020	3.16	2.94	2.99	2.84		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	



		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side	2.524		1.067		1.016	1.136	1.075	0.001	3.59	3.54	3.66	3.60		
		Bottom side								0.001	0.00	0.00	0.00	0.00		
LTE Band 26 Ant 0	FR1 n77 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92		
		Back	1.534		0.525		0.303	0.356	0.206	0.020	2.08	1.86	1.91	1.76		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
		Bottom side									0.001	0.00	0.00	0.00	0.00	
LTE Band 26 Ant 1	FR1 n77 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92		
		Back			0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
		Bottom side									0.001	0.00	0.00	0.00	0.00	
LTE Band 7 Ant 0	FR1 n77 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92		
		Back	1.534		0.525		0.303	0.356	0.206	0.020	2.08	1.86	1.91	1.76		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
		Bottom side									0.001	0.00	0.00	0.00	0.00	
LTE Band 7 Ant 1	FR1 n77 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92		
		Back			0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
		Bottom side									0.001	0.00	0.00	0.00	0.00	
LTE Band 41 Ant 0	FR1 n77 Ant 2	Front	0.958					1.123	0.921	0.003	0.96	0.96	2.08	1.88		
		Back	1.381		0.525		0.303	0.356	0.206	0.020	1.93	1.70	1.76	1.61		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
		Bottom side	0.515								0.001	0.52	0.52	0.52	0.52	
LTE Band 41 Ant 1	FR1 n77 Ant 2	Front						1.123	0.921	0.003	0.00	0.00	1.13	0.92		
		Back			0.525		0.303	0.356	0.206	0.020	0.55	0.32	0.38	0.23		
		Left side		1.495							0.003	1.50	1.50	1.50	1.50	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side			1.067		1.016	1.136	1.075	0.001	1.07	1.02	1.14	1.08		
		Bottom side									0.001	0.00	0.00	0.00	0.00	
LTE Band 66 Ant 1	FR1 n2 Ant 0	Front	1.672	3.252				1.123	0.921	0.003	4.93	4.93	6.05	5.85	201&202&203&204	
		Back	2.319	2.995	0.525		0.303	0.356	0.206	0.020	5.86	5.64	5.69	5.54	205&206&207&208	
		Left side									0.003	0.00	0.00	0.00	0.00	
		Right side			0.978	0.706		0.498	0.498	0.002	0.98	0.00	0.50	1.21		
		Top side	2.394		1.067		1.016	1.136	1.075	0.001	3.46	3.41	3.53	3.47		
		Bottom side		1.889							0.001	1.89	1.89	1.89	1.89	

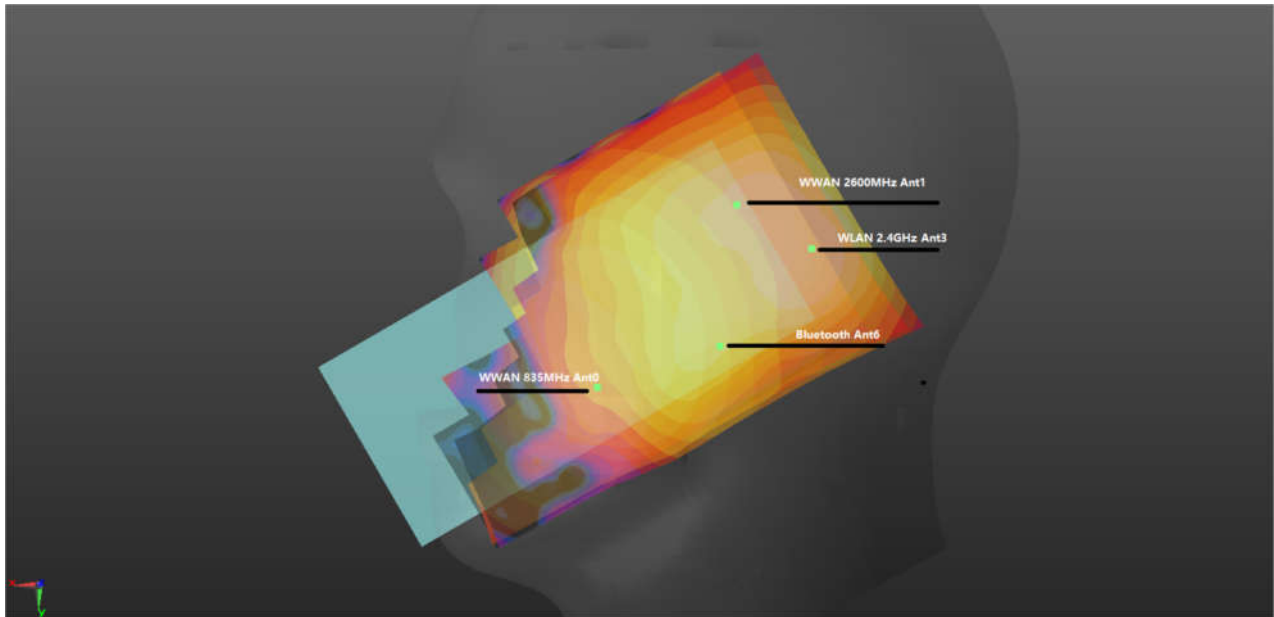


### 16.5 SPLSR Evaluation and Analysis

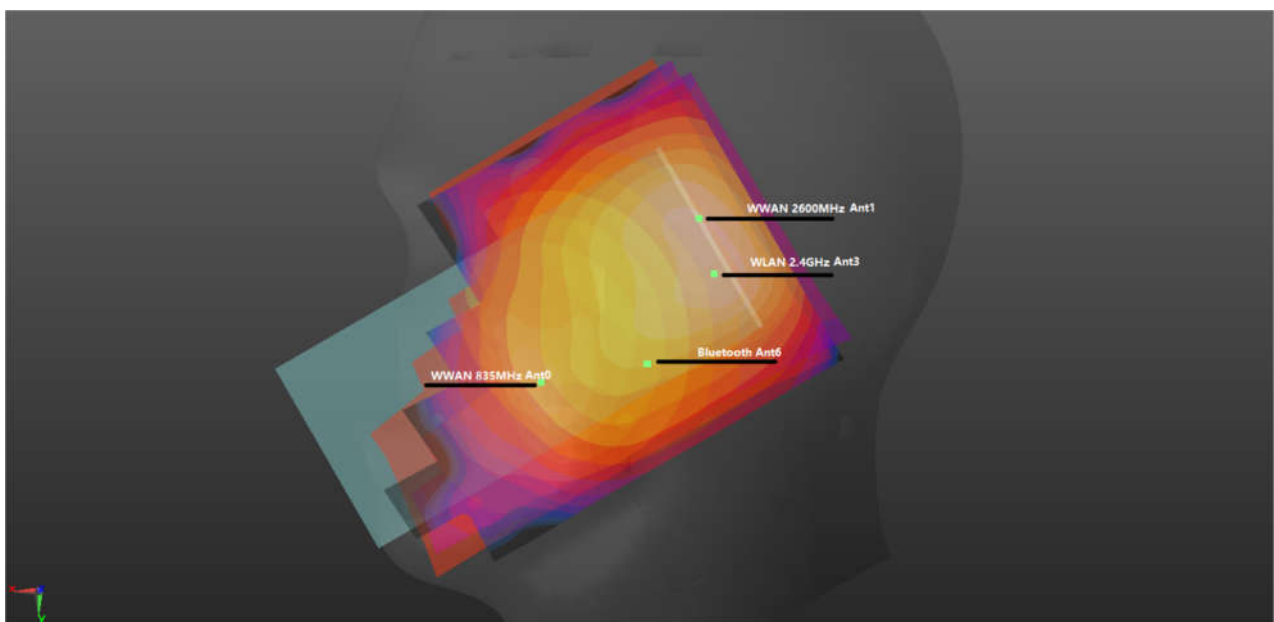
**General Note:**

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of  $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$ , where  $(x1, y1, z1)$  and  $(x2, y2, z2)$  are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2.  $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$ . If  $SPLSR \leq 0.04$  for 1g SAR and  $SPLSR \leq 0.10$  for 10g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WWAN band antenna 1/2/4/5 was summed algebraically with the NFC and BT/WIFI Antenna 3/4/5/6 separately for the purposes of hybrid SPLSR combination and they are located at the top of the device.
4. Per April 2022 TCB Workshop, instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.

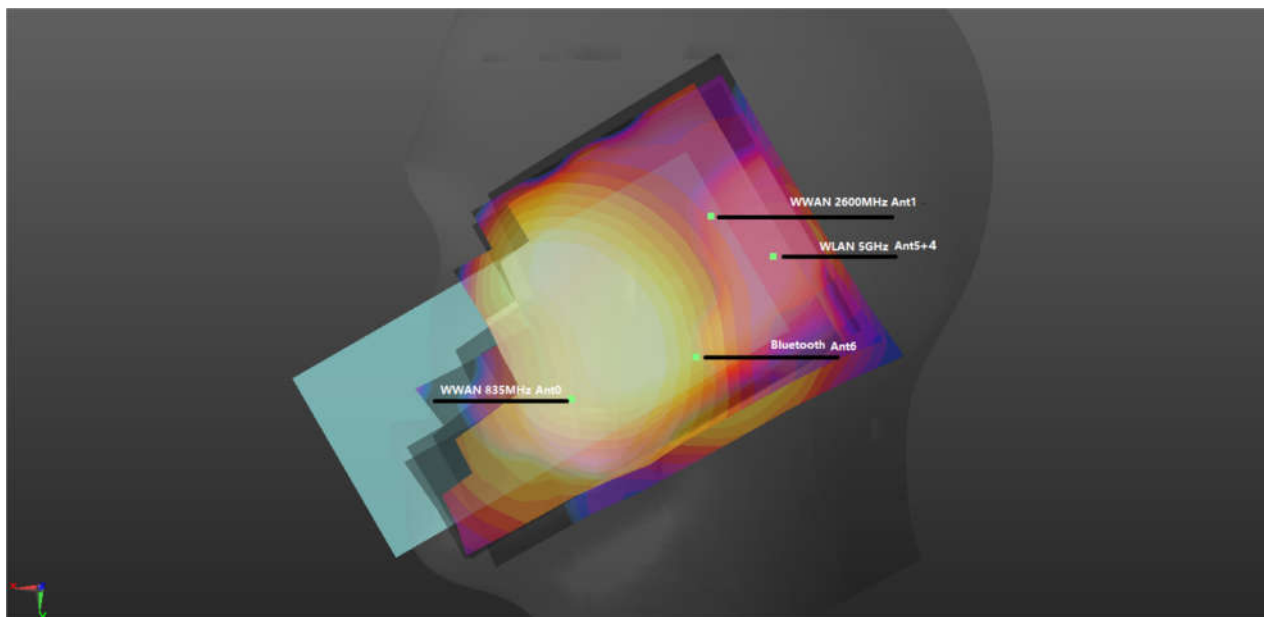
**Head**



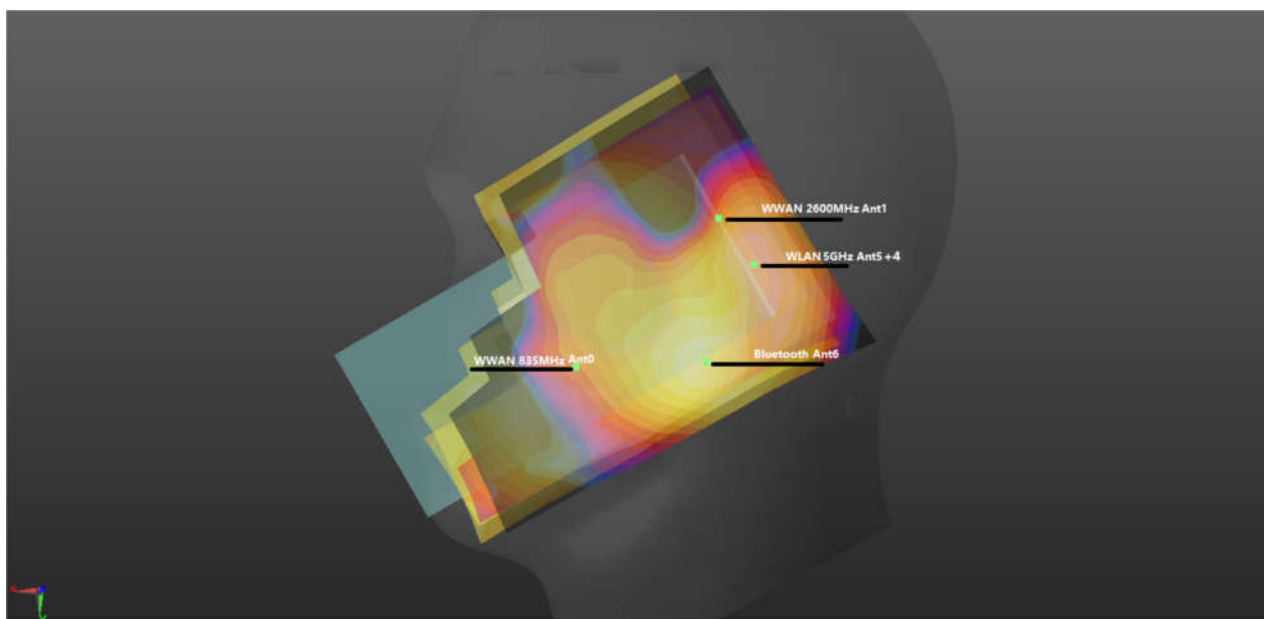
**WWAN+2.4G Right Cheek**



WWAN+2.4G Right Tilted

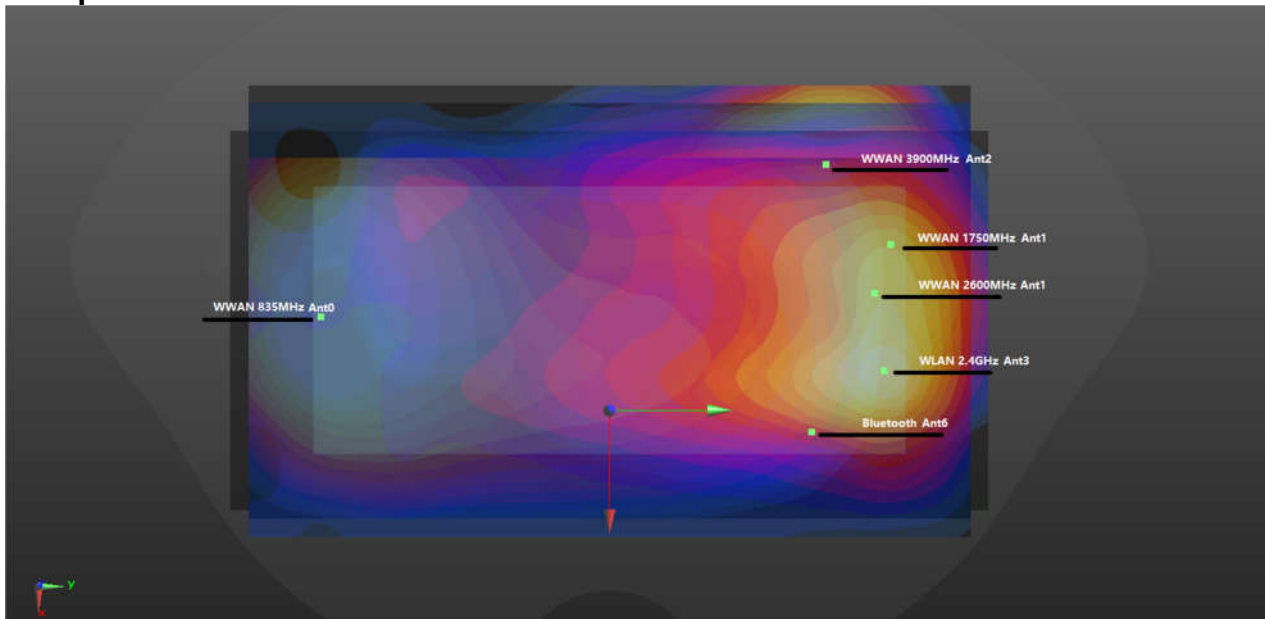


WWAN+5G Right Cheek

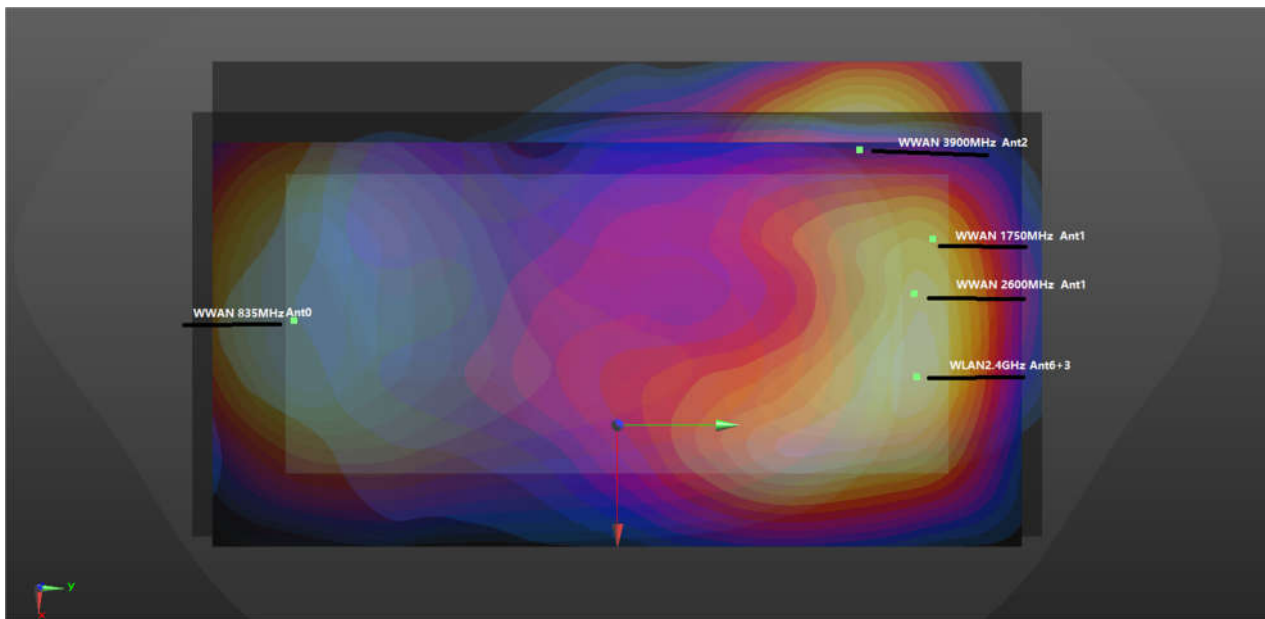


WWAN+5G Right Tilted

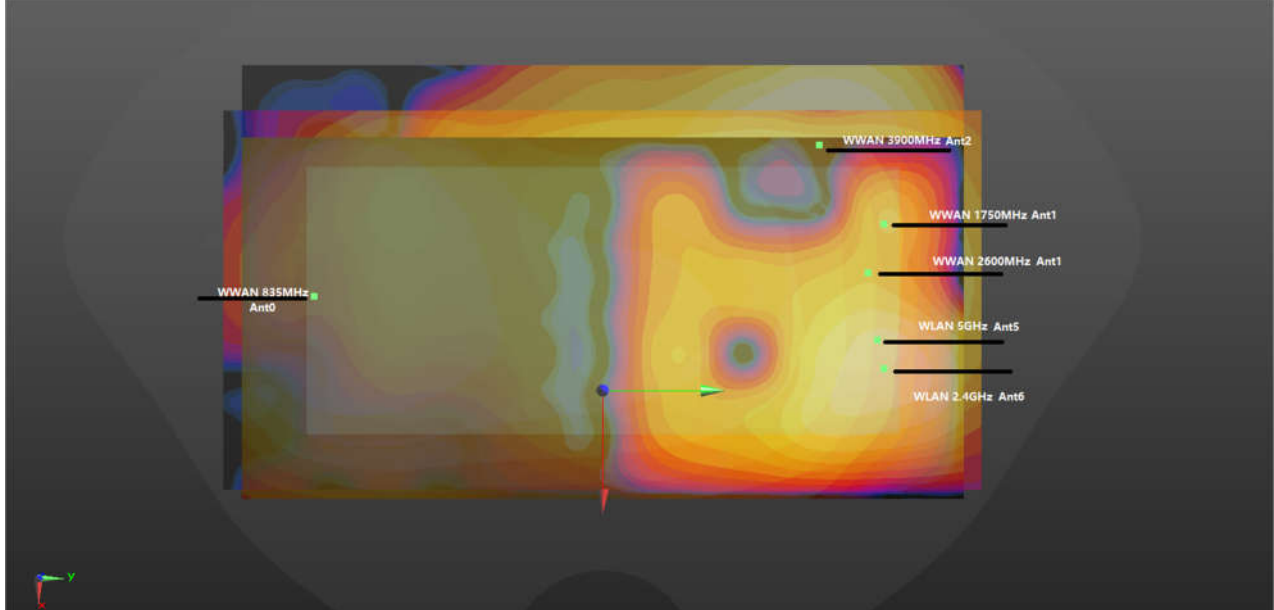
Hotspot



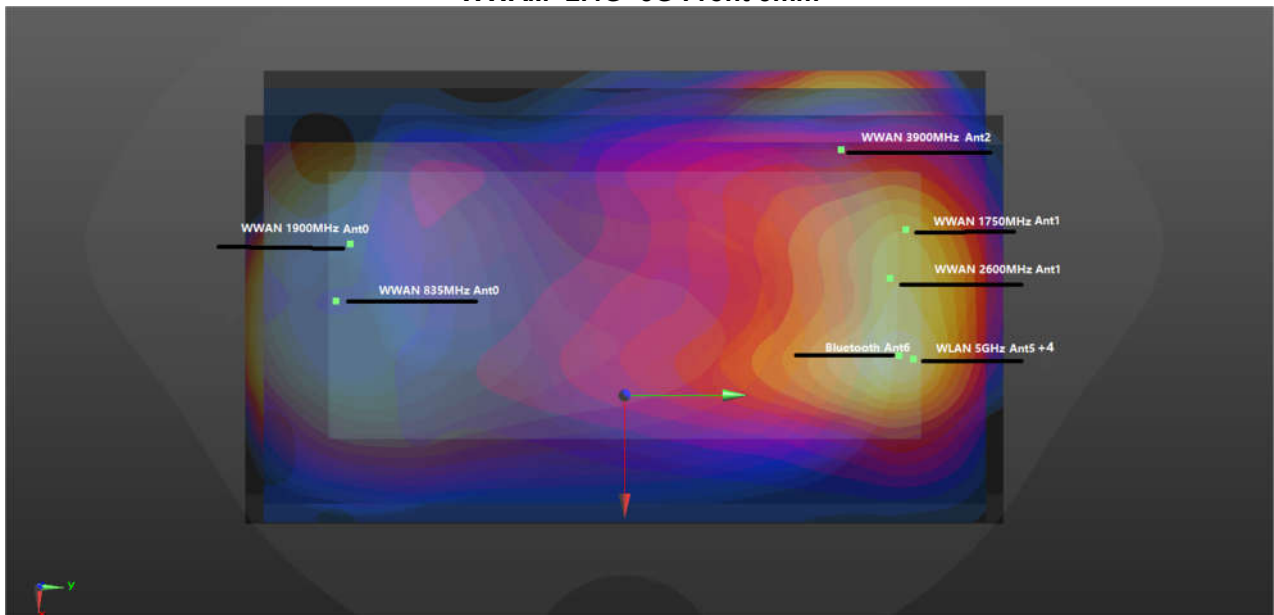
WWAM+2.4G Ant3 Front 5mm



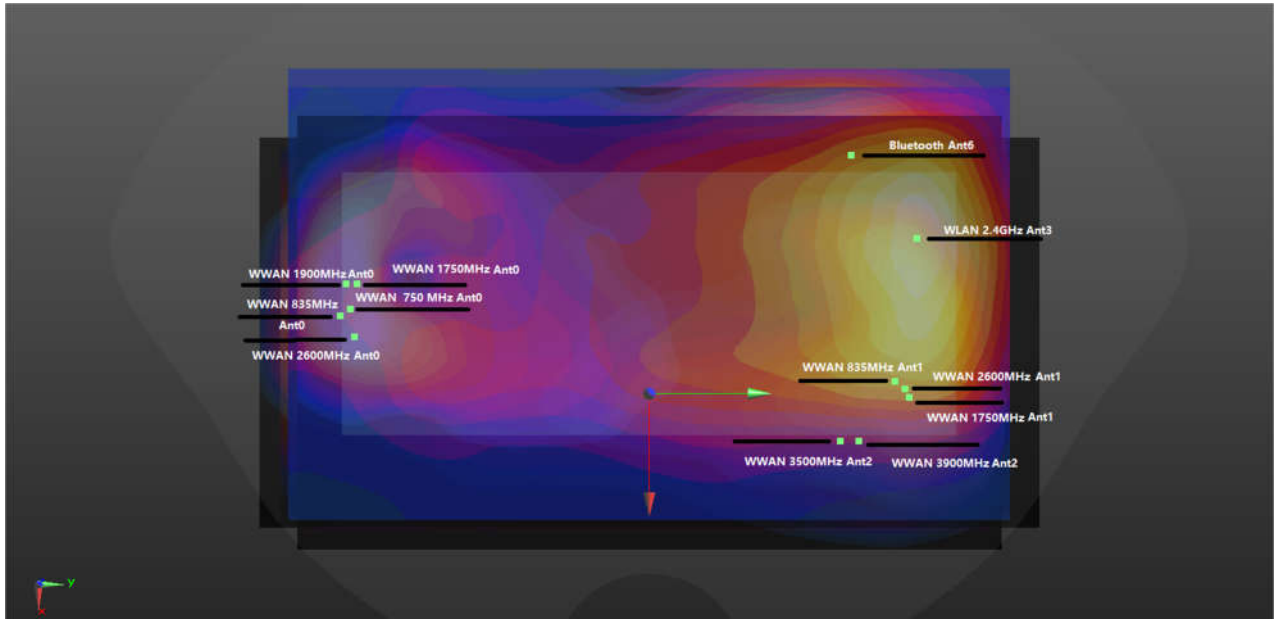
WWAM+2.4G Front 5mm



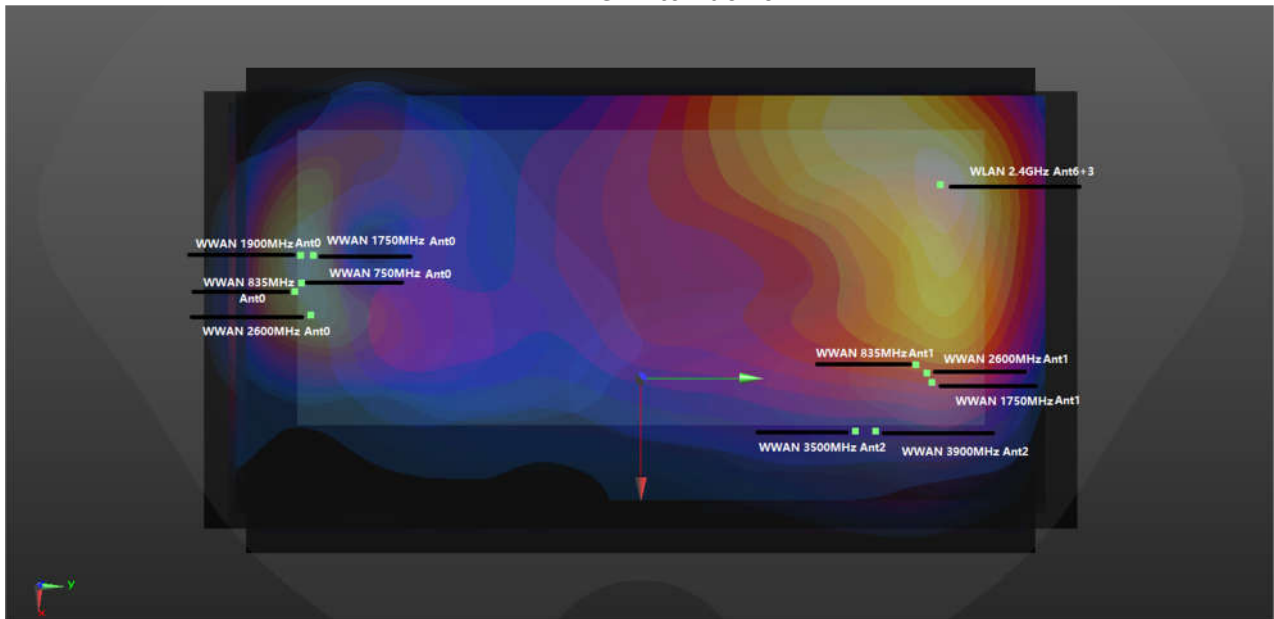
WWAM+2.4G+5G Front 5mm



WWAM+5G Front 5mm



WWAN+2.4G Ant3 Back 5mm

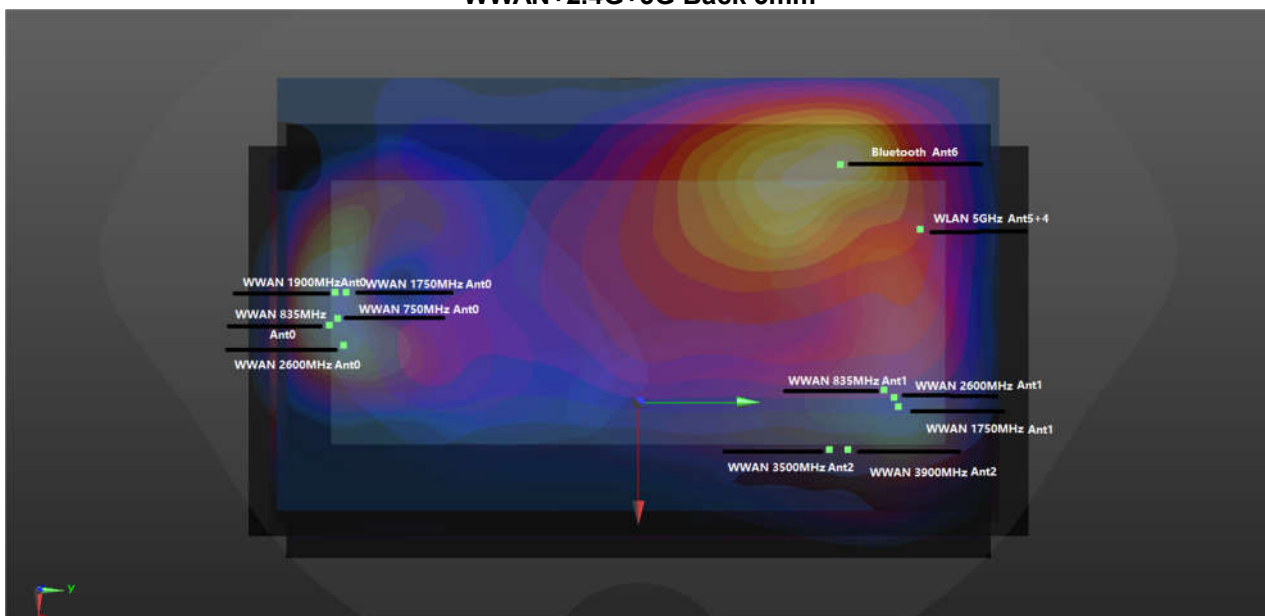


WWAN+2.4G Back 5mm



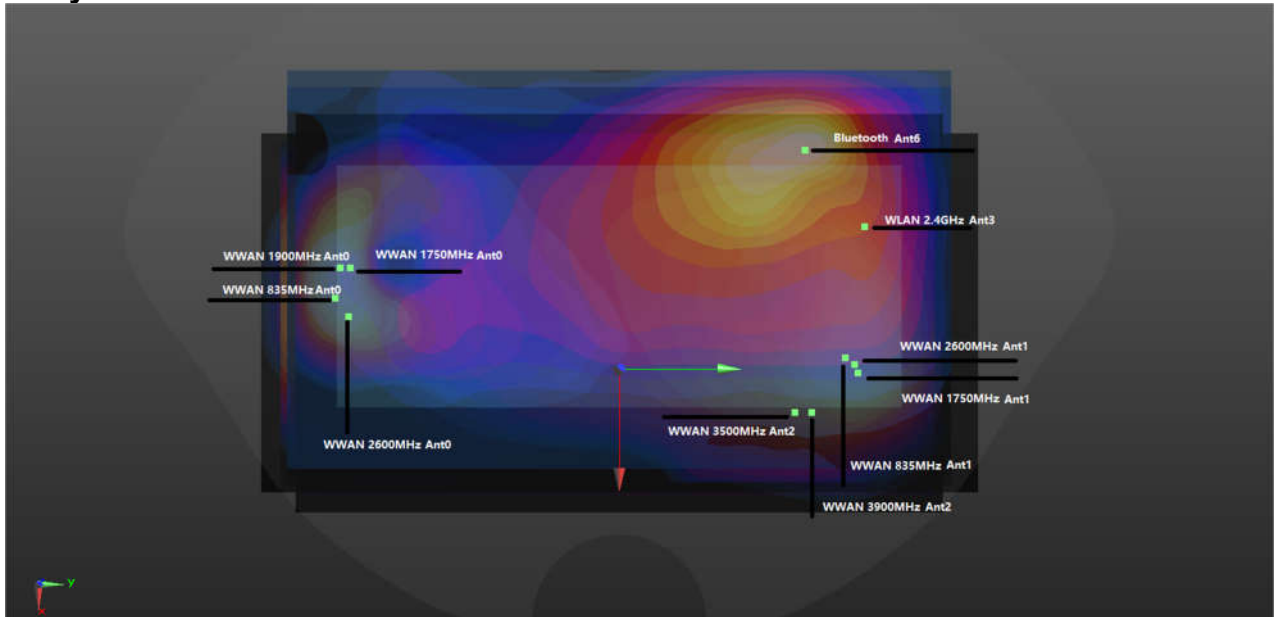


WWAN+2.4G+5G Back 5mm

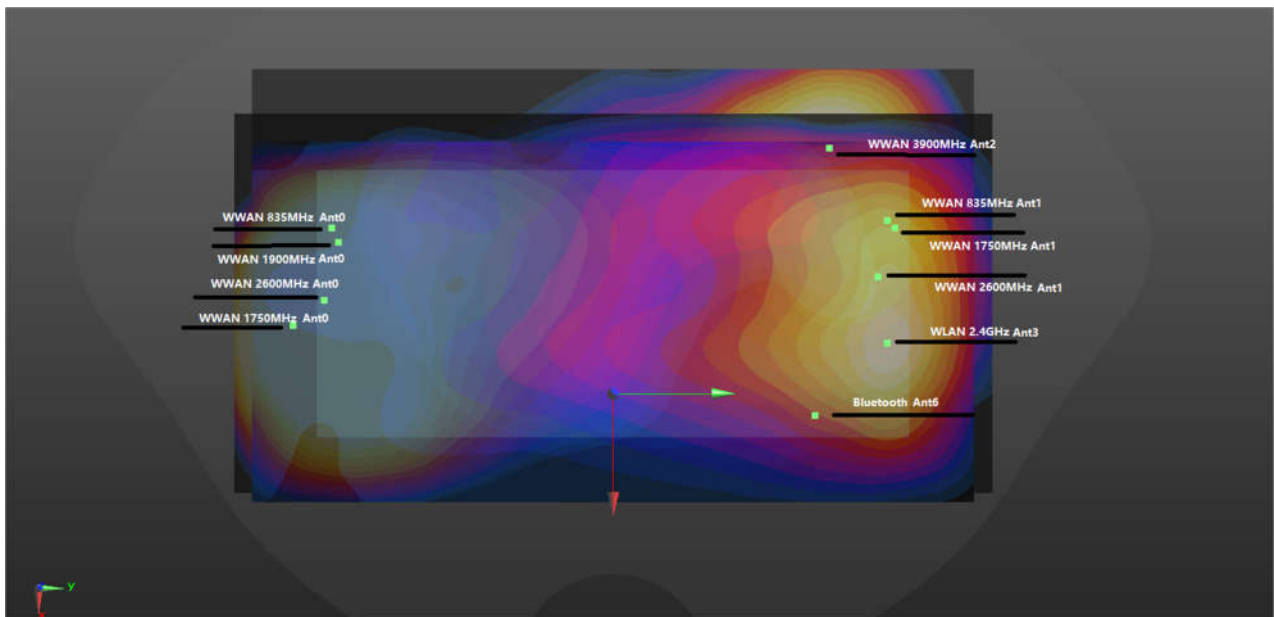


WWAN+5G Back 5mm

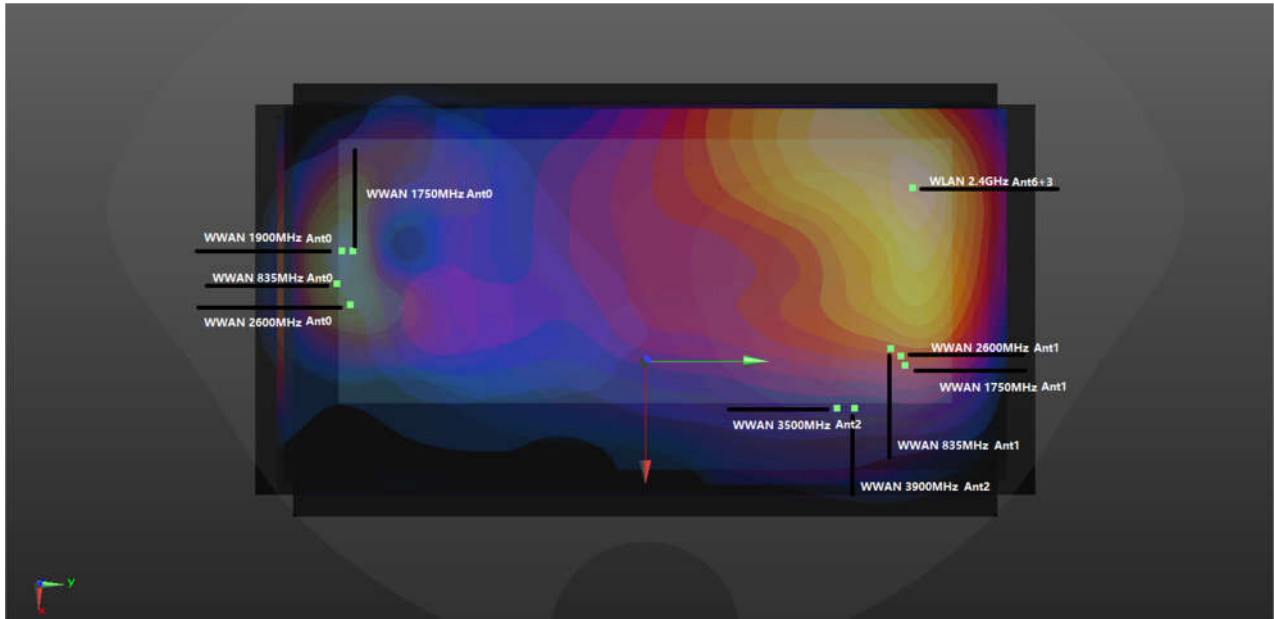
Body worn



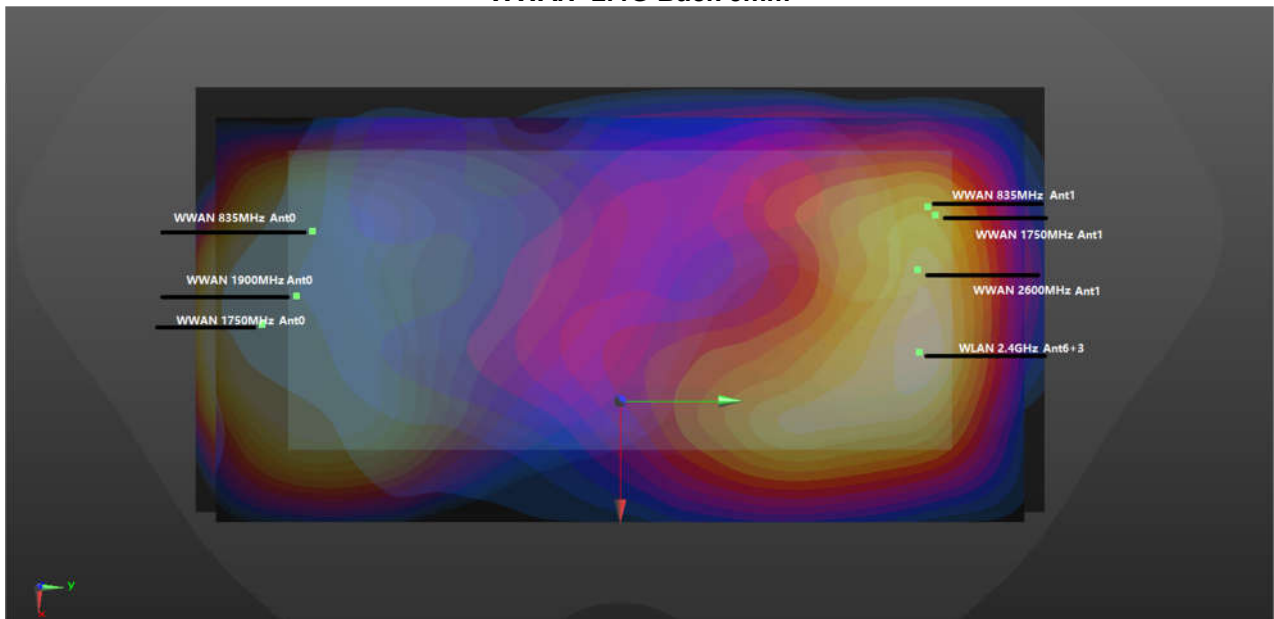
WWAM+2.4G Ant3 Back 5mm



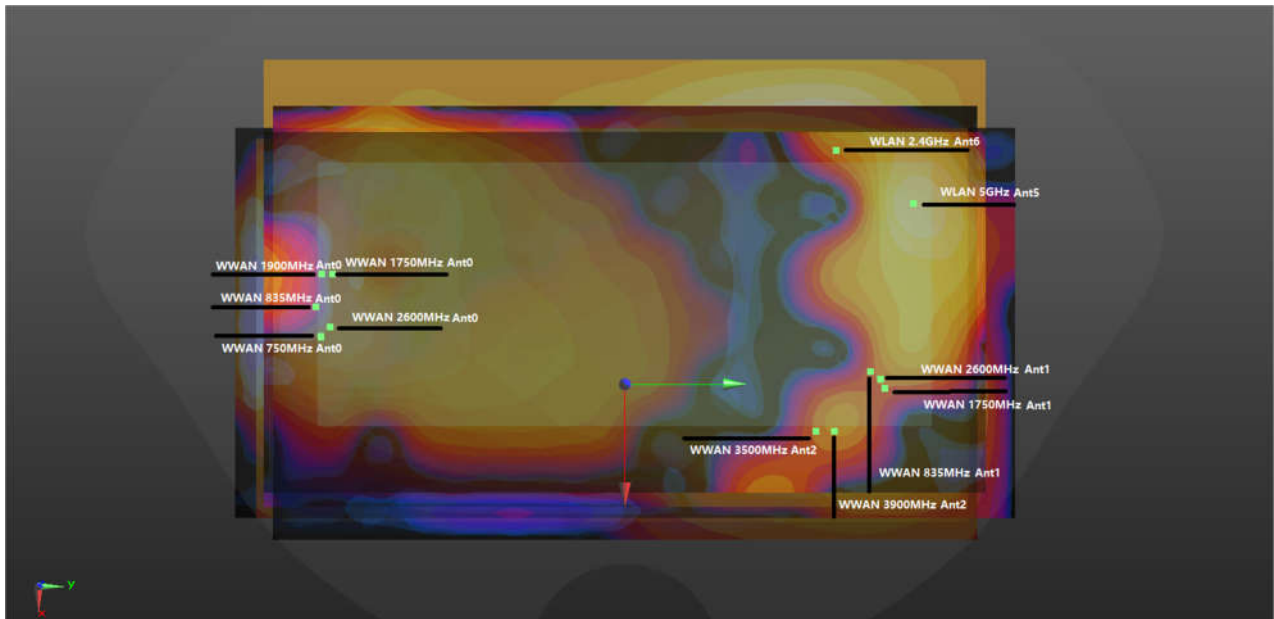
WWAN+2.4G Ant3 Front 5mm



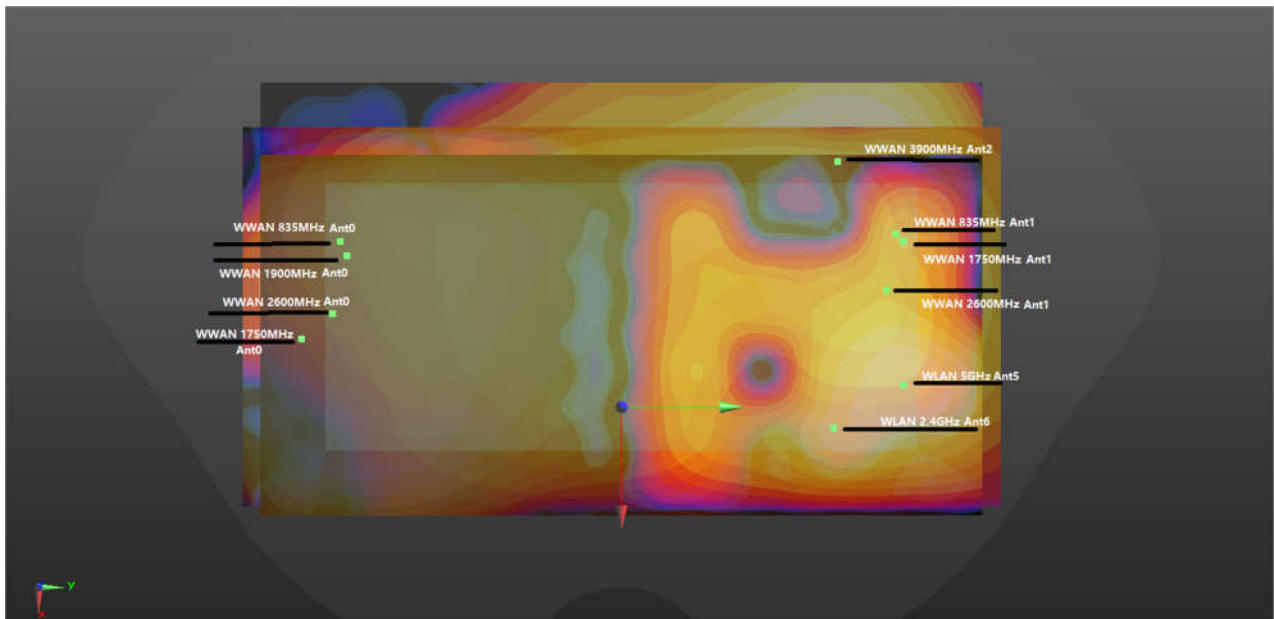
WWAN+2.4G Back 5mm



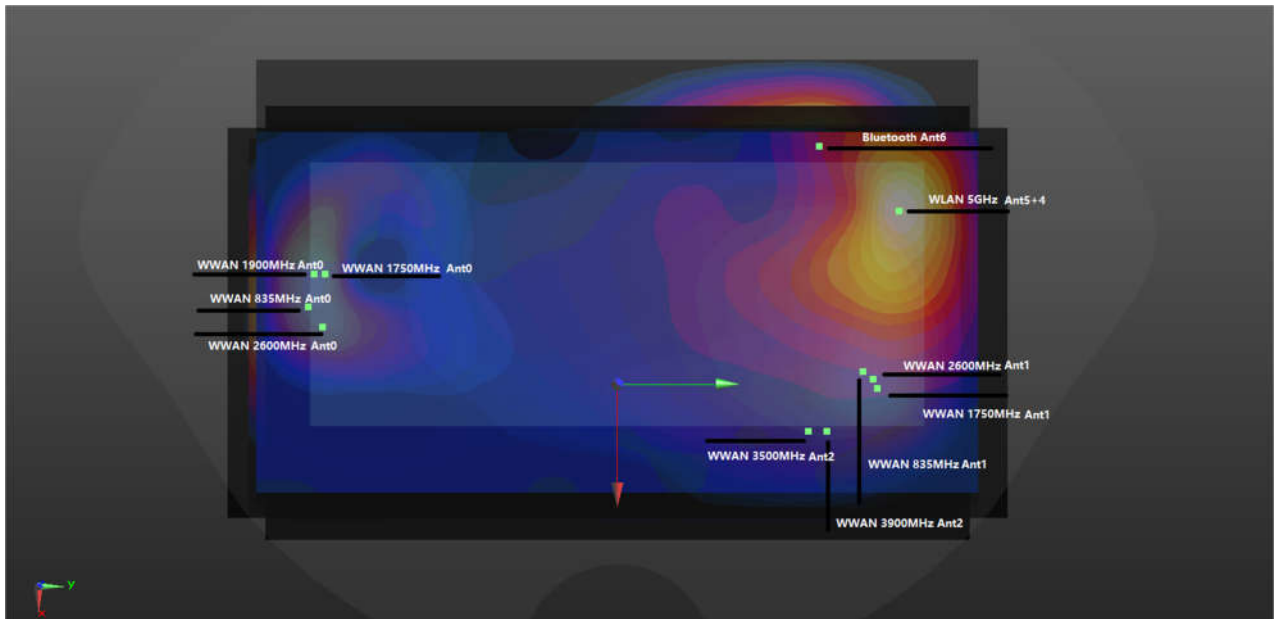
WWAN+2.4G Fornt 5mm



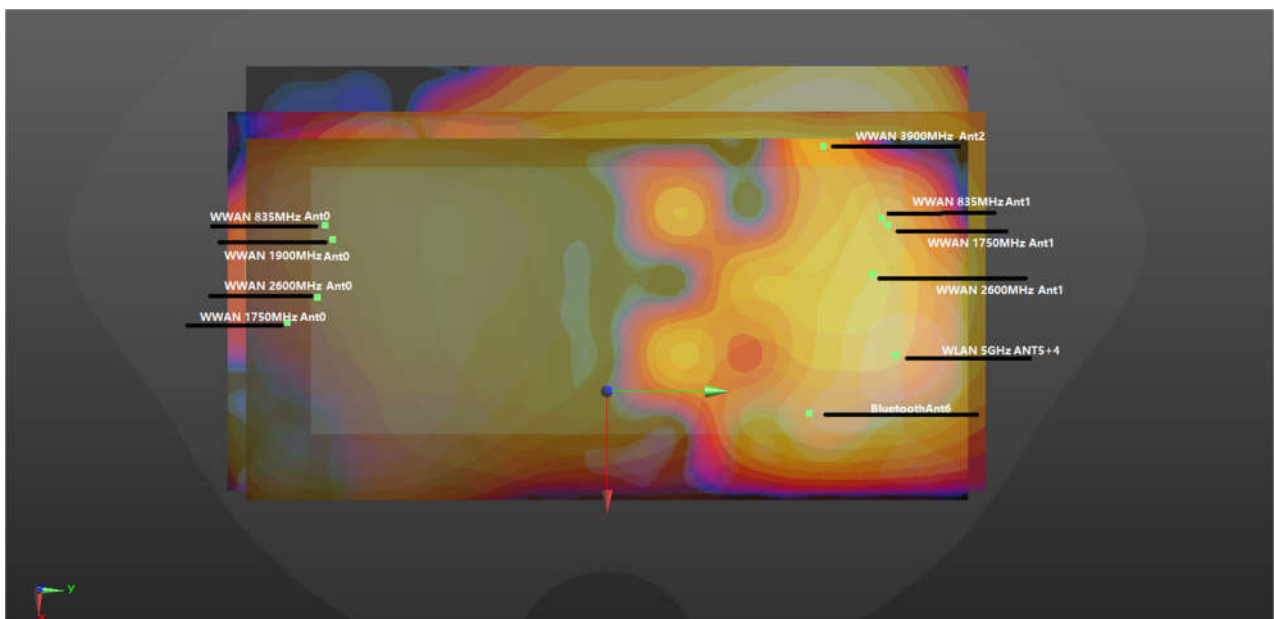
WWAN+2.4G+5G Back 5mm



WWAN+2.4G+5G Fornt 5mm

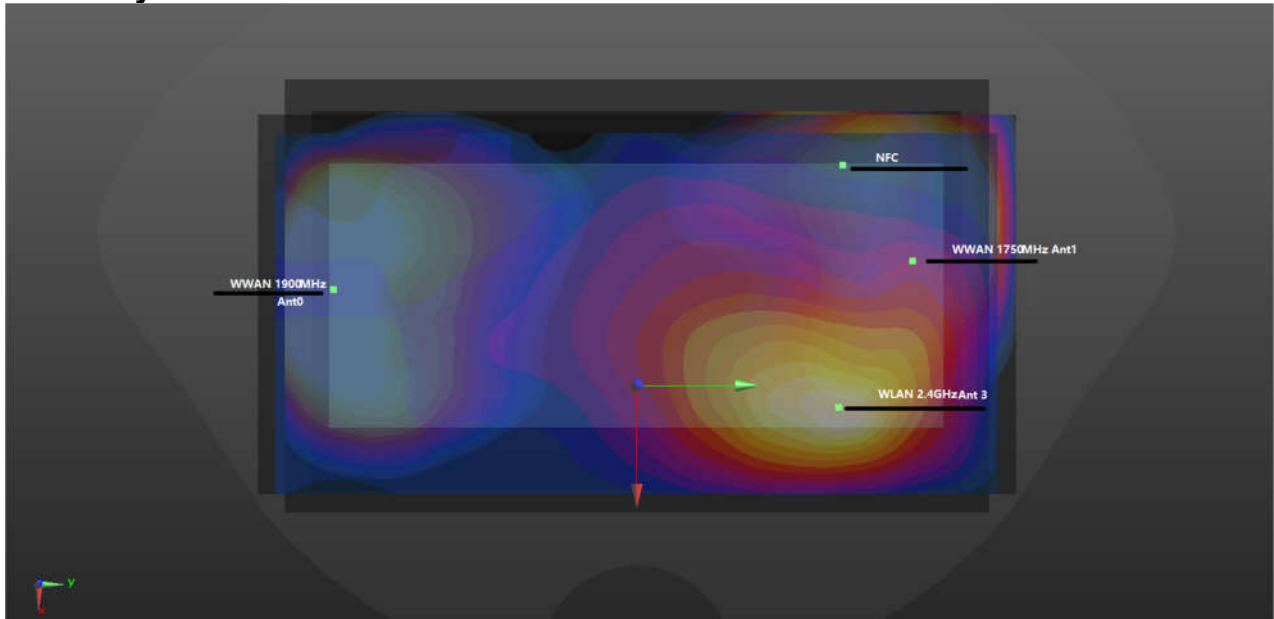


WWAN+5G Back 5mm

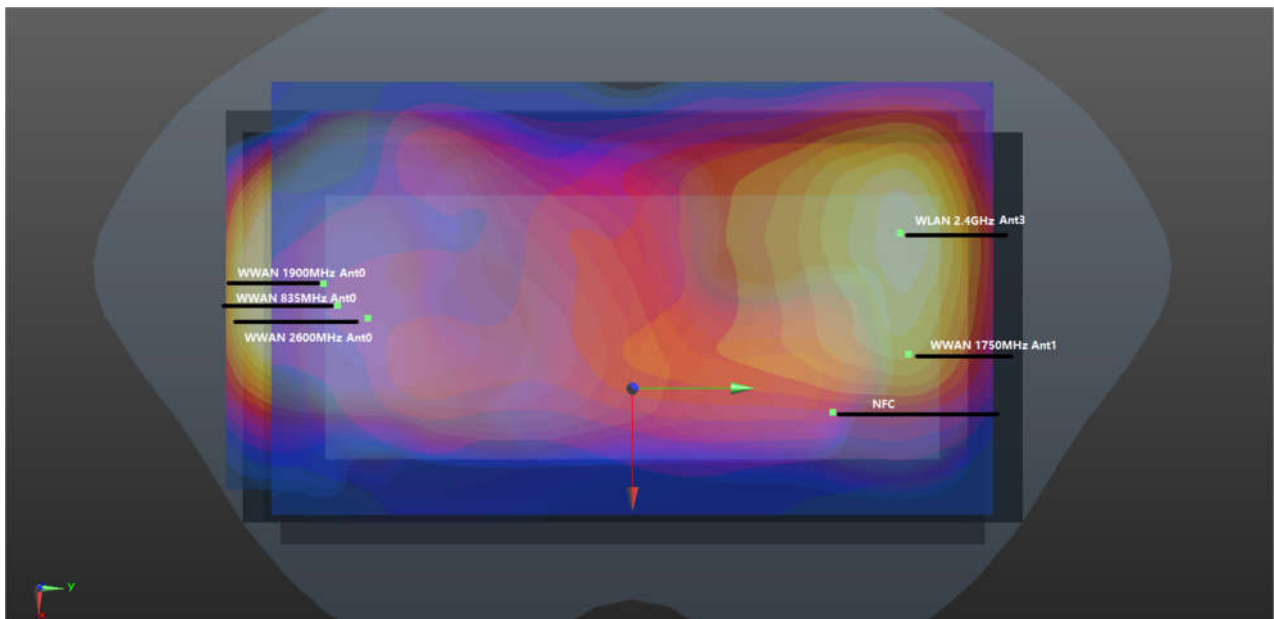


WWAN+5G Fornt 5mm

Extremity

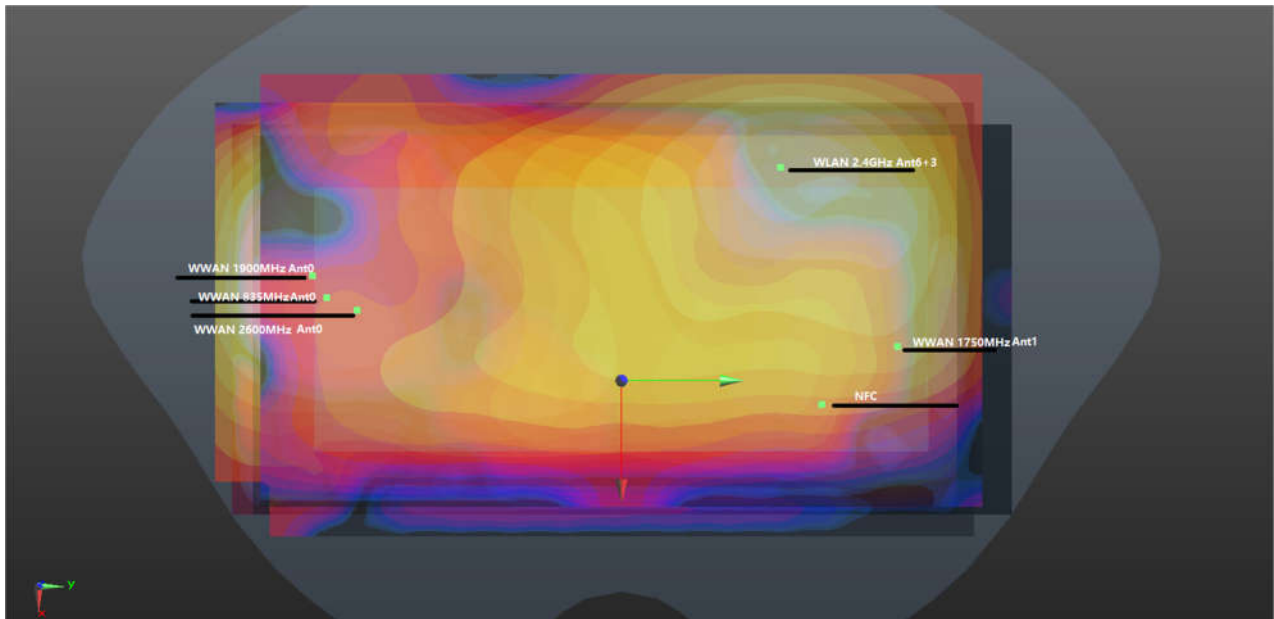


WWAN+2.4G Ant 3 Front 0mm

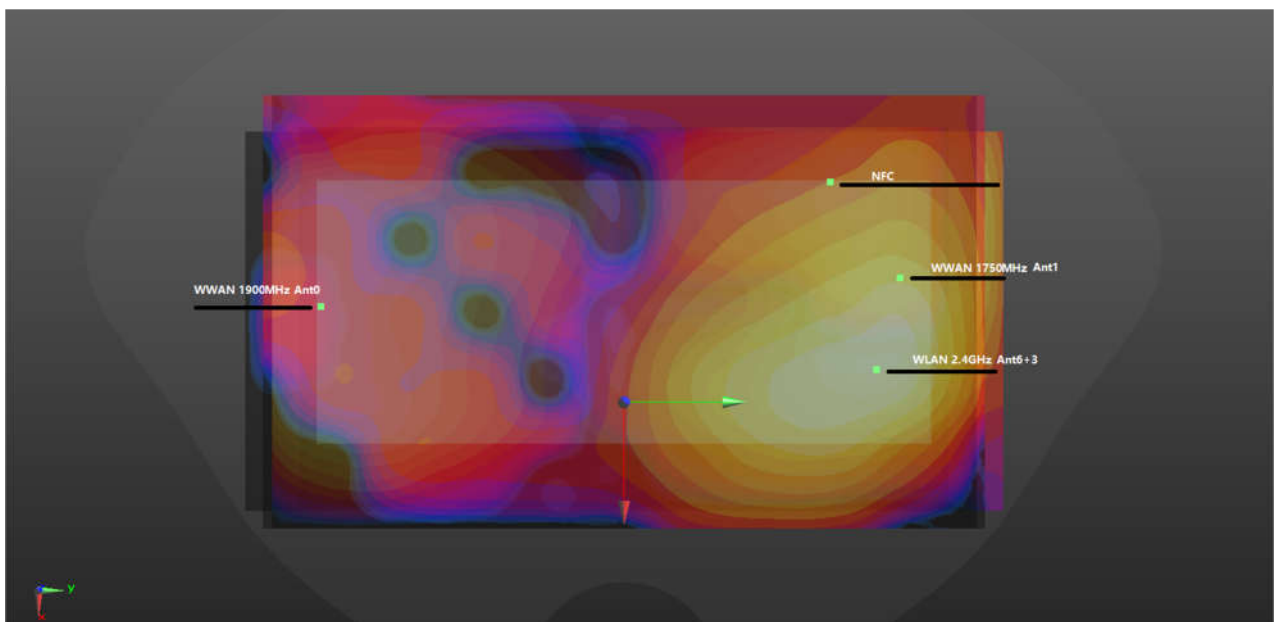


WWAN+2.4G Ant3 Back 0mm

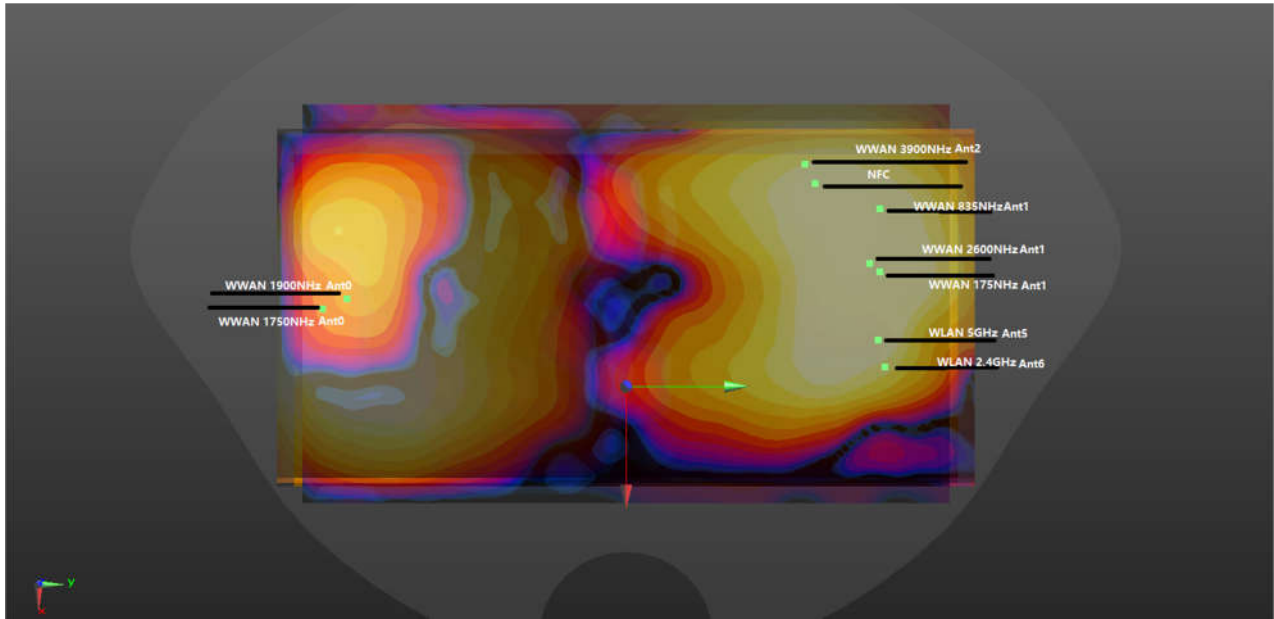




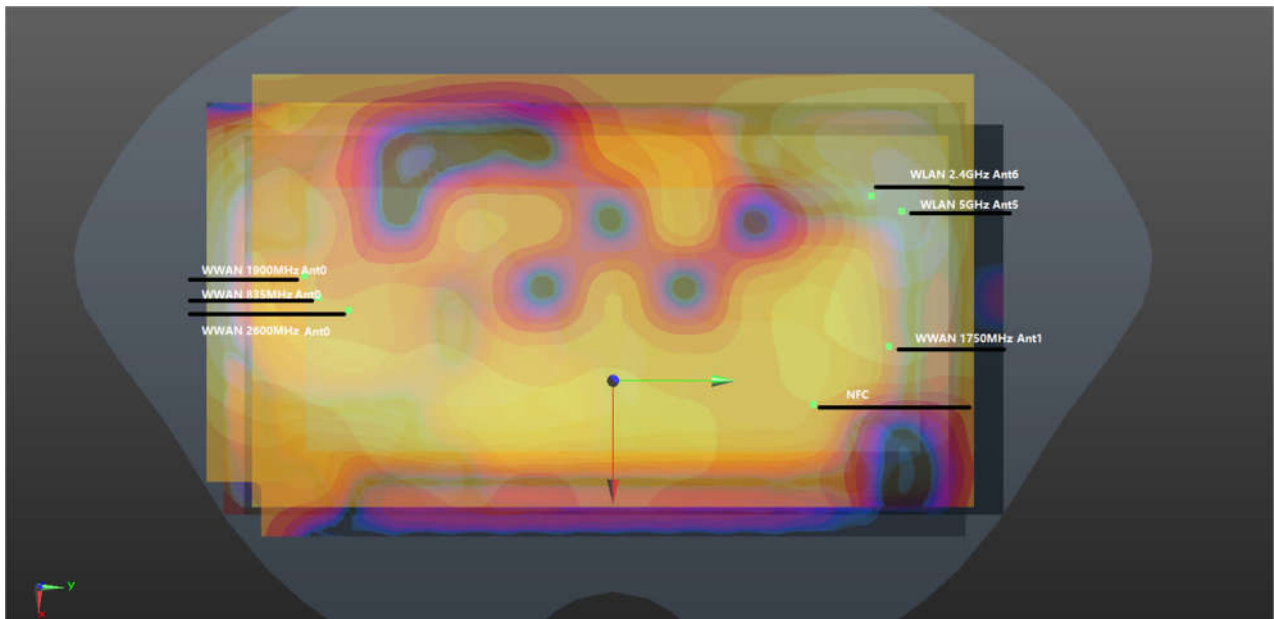
WWAN+2.4G Back 0mm



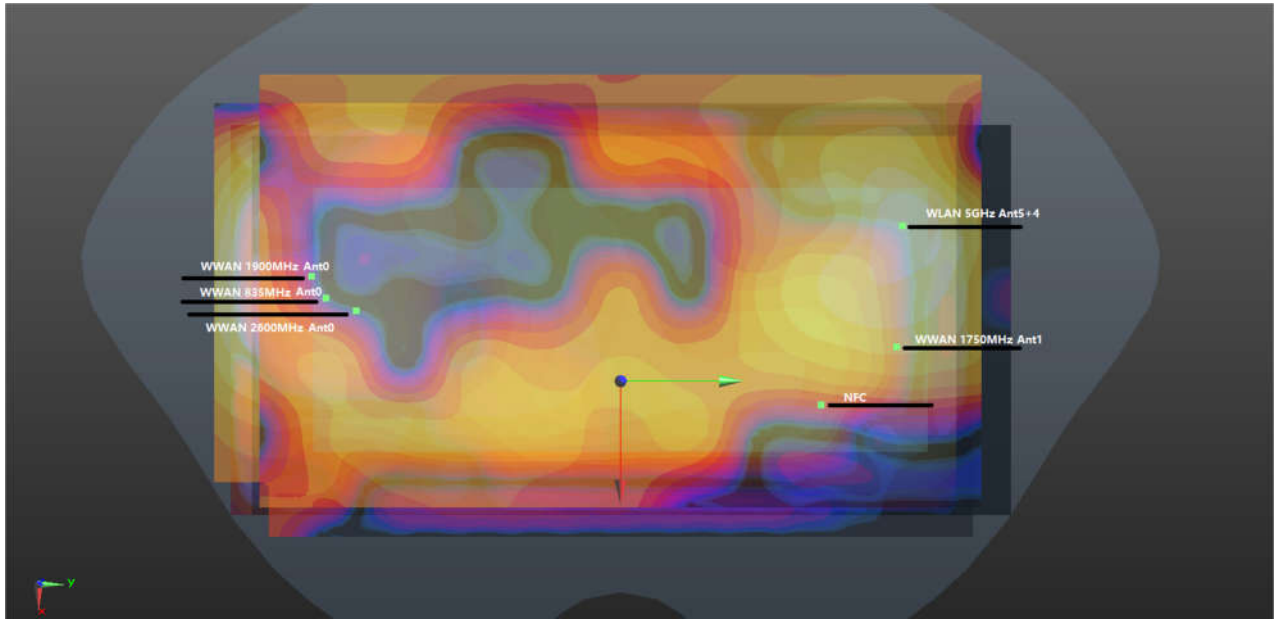
WWAN+2.4G Front 0mm



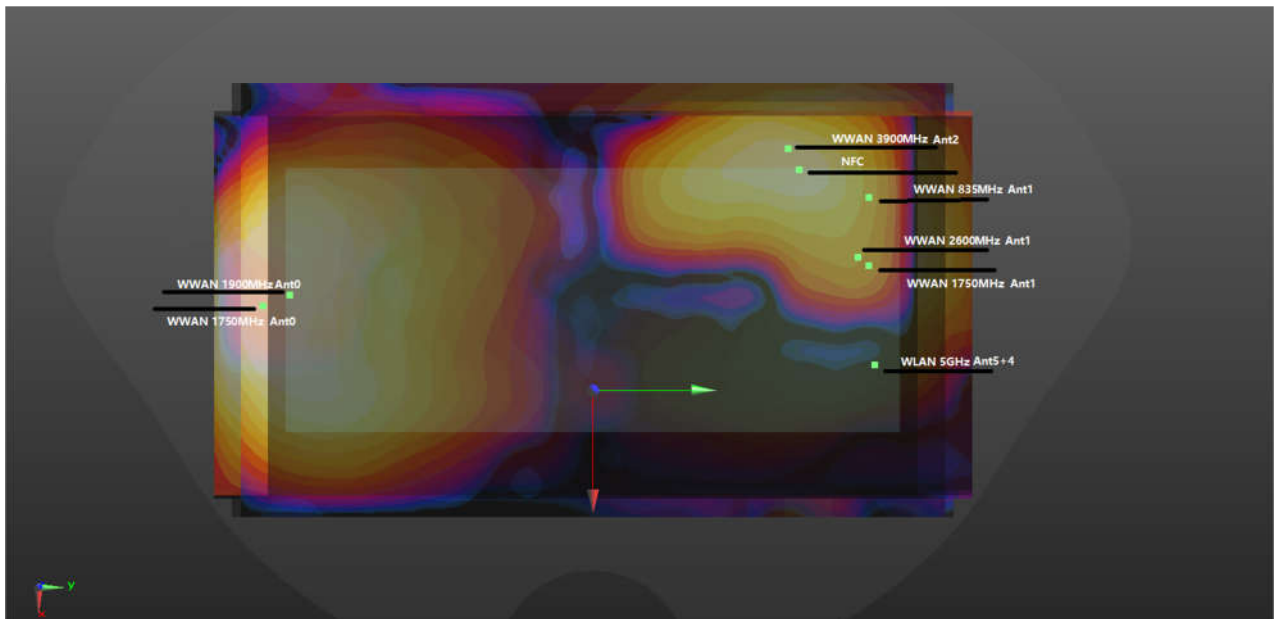
WWAN+2.4G+5G Front 0mm



WWAN+5G Ant 5 Back 0mm



WWAN+5G Back 0mm



WWAN+5G Front 0mm



<Head SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				1g SAR (W/kg)		X	Y	Z				
Case 1	LTE Band 26 Ant 0	Right Cheek	0.283	0.283	0mm	62.33	54.64	5.25	92.4	1.63	0.02	Not required
	FR1 n7 Ant 1		0mm		-11.77	-0.26	-0.01					
	WLAN2.4GHz Ant 3		0mm									
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Cheek	0.283	0.283	0mm	62.33	54.64	5.25	94.7	1.63	0.02	Not required
	FR1 n7 Ant 1		0mm									
	WLAN2.4GHz Ant 3		0mm		10.8	-23	-11.7					
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Cheek	0.283	0.283	0mm	62.33	54.64	5.25	67.3	1.63	0.03	Not required
	FR1 n7 Ant 1		0mm									
	WLAN2.4GHz Ant 3		0mm									
	Bluetooth Ant 6		0mm		-2.97	38.6	2.39					
Case 2	LTE Band 26 Ant 0	Right Cheek	0.283	0.283	0mm	62.33	54.64	5.25	92.4	1.63	0.02	Not required
	FR1 n7 Ant 1		0mm		-11.77	-0.26	-0.01					
	WLAN 5GHz Ant 5+4		0mm									
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Cheek	0.283	0.283	0mm	62.33	54.64	5.25	100.8	1.63	0.02	Not required
	FR1 n7 Ant 1		0mm									
	WLAN 5GHz Ant 5+4		0mm		-26.78	7.63	3.66					
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Cheek	0.283	0.283	0mm	62.33	54.64	5.25	67.3	1.63	0.03	Not required
	FR1 n7 Ant 1		0mm									
	WLAN 5GHz Ant 5+4		0mm									
	Bluetooth Ant 6		0mm		-2.97	38.6	2.39					
Case 3	LTE Band 26 Ant 0	Right Tilted	0.156	0.156	0mm	58.96	51.4	3.29	85.5	1.62	0.02	Not required
	FR1 n7 Ant 1		0mm		-3.39	-7.16	1.93					
	WLAN2.4GHz Ant 3		0mm									
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Tilted	0.156	0.156	0mm	58.96	51.4	3.29	89.9	1.62	0.02	Not required
	FR1 n7 Ant 1		0mm									
	WLAN2.4GHz Ant 3		0mm		10.8	-23	-11.7					
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Tilted	0.156	0.156	0mm	58.96	51.4	3.29	59.4	1.62	0.03	Not required
	FR1 n7 Ant 1		0mm									
	WLAN2.4GHz Ant 3		0mm									
	Bluetooth Ant 6		0mm		0.37	41.35	3.03					
Case 4	LTE Band 26 Ant 0	Right Tilted	0.156	0.156	0mm	58.96	51.4	3.29	85.5	1.61	0.02	Not required
	FR1 n7 Ant 1		0mm		-3.39	-7.16	1.93					
	WLAN 5GHz Ant 5+4		0mm									
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Tilted	0.156	0.156	0mm	58.96	51.4	3.29	95.4	1.61	0.02	Not required
	FR1 n7 Ant 1		0mm									
	WLAN 5GHz Ant 5+4		0mm		-25.7	7.4	3.61					
	Bluetooth Ant 6		0mm									
	LTE Band 26 Ant 0	Right Tilted	0.156	0.156	0mm	58.96	51.4	3.29	59.4	1.61	0.03	Not required
	FR1 n7 Ant 1		0mm									
	WLAN 5GHz Ant 5+4		0mm									
	Bluetooth Ant 6		0mm		0.37	41.35	3.03					



<Hotspot SAR>

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			1g SAR (W/kg)	(mm)		X	Y	Z				
Case 5	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	159.0	1.65	0.01	Not required
	WLAN2.4GHz Ant 6+3		0.416	0.416	5mm	-19.8	81.2	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 6	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	133.1	1.77	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	153.7	1.77	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 7	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	158.8	1.74	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	153.7	1.74	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 8	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	153.7	1.76	0.02	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	GSM850 Ant 0	Back	1.236	1.236	5mm	4.9	-75.8	3.35	160.1	1.76	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 9	WCDMA V Ant 0	Back	1.354	1.354	5mm	5.1	-78.3	3.36	161.5	1.77	0.01	Not required
	WLAN2.4GHz Ant 6+3		0.416	0.416	5mm	-19.8	81.2	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 10	WCDMA V Ant 0	Back	1.354	1.354	5mm	5.1	-78.3	3.36	135.5	1.89	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	WCDMA V Ant 0	Back	1.354	1.354	5mm	5.1	-78.3	3.36	156.2	1.89	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 11	WCDMA V Ant 0	Back	1.354	1.354	5mm	5.1	-78.3	3.36	161.2	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	WCDMA V Ant 0	Back	1.354	1.354	5mm	5.1	-78.3	3.36	156.2	1.86	0.02	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 12	WCDMA V Ant 0	Back	1.354	1.354	5mm	5.1	-78.3	3.36	156.2	1.88	0.02	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
	WLAN5GHz Ant 5	Back	0.271		5mm				162.6	1.88	0.02	Not required
	WCDMA V Ant 0		1.354	1.354	5mm	5.1	-78.3	3.36				
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 13	LTE Band 7 Ant 0	Back	1.087	1.087	5mm	8.2	-78.6	3.37	136.8	1.62	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 7 Ant 0	Back	1.087	1.087	5mm	8.2	-78.6	3.37	157.2	1.62	0.01	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 15	WCDMA V Ant 0	Back	1.087	1.087	5mm	5.1	-78.3	3.36	156.2	1.61	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	WCDMA V Ant 0	Back	1.087	1.087	5mm	5.1	-78.3	3.36	162.6	1.61	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 16	LTE Band 12 Ant 0	Back	1.104	1.104	5mm	12	-81.9	3.46	141.3	1.64	0.01	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 12 Ant 0	Back	1.104	1.104	5mm	12	-81.9	3.46	161.3	1.64	0.01	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 17	LTE Band 12 Ant 0	Back	1.104	1.104	5mm	12	-81.9	3.46	166.5	1.61	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 12 Ant 0	Back	1.104	1.104	5mm	12	-81.9	3.46	161.3	1.61	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 18	LTE Band 12 Ant 0	Back	1.104	1.104	5mm	12	-81.9	3.46	161.3	1.63	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 12 Ant 0	Back	1.104	1.104	5mm	12	-81.9	3.46	167.7	1.63	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 19	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	166.2	1.64	0.01	Not required
	WLAN2.4GHz Ant 6+3		0.416	0.416	5mm	-19.8	81.2	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 20	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	141.3	1.75	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							





Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			X	Y	Z							
	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	161.3	1.75	0.01	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 21	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	166.5	1.73	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	161.3	1.73	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 22	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	161.3	1.75	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 13 Ant 0	Back	1.222	1.222	5mm	12	-81.9	3.48	167.7	1.75	0.01	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case 23	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	164.8	1.86	0.02	Not required
	WLAN2.4GHz Ant 6+3		0.416	0.416	5mm	-19.8	81.2	-0.99				
Case 24	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	138.7	1.97	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	159.5	1.97	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 25	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	164.5	1.95	0.02	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	159.5	1.95	0.02	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 26	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	159.5	1.96	0.02	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 26(5) Ant 0	Back	1.440	1.440	5mm	5.1	-81.7	3.36	165.9	1.96	0.02	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case 27	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32	159.8	1.65	0.01	Not required
	WLAN2.4GHz Ant 6+3		0.416	0.416	5mm	-19.8	81.2	-0.99				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
Case 28	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32	134.9	1.77	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32				
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 29	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32	160.1	1.74	0.01	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32				
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 30	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32	154.9	1.76	0.02	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 41 Ant 0	Back	1.238	1.238	5mm	10.6	-75.6	3.32				
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 31	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23	148.2	1.76	0.02	Not required
	WLAN2.4GHz Ant 6+3		0.416	0.416	5mm	-19.8	81.2	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 32	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23	123.8	1.88	0.02	Not required
	WLAN2.4GHz Ant 3		0.416	0.532	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23				
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 33	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23	148.7	1.85	0.02	Not required
	WLAN5GHz Ant 5+4		0.389	0.505	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23				
	WLAN5GHz Ant 5+4		0.389	0.505	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 34	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23	143.4	1.87	0.02	Not required
	WLAN2.4GHz Ant 6		0.252	0.523	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	FR1 n7 Ant 0	Back	1.347	1.347	5mm	9.6	-64	3.23				
	WLAN2.4GHz Ant 6		0.252	0.523	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case	FR1 n66 Ant 0	Back	1.091	1.091	5mm	-5.7	-85.3	2.75	139.1	1.62	0.01	Not required



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
						X	Y	Z				
35	WLAN2.4GHz Ant 3	Back	0.416	0.532	5mm	-39.4	49.6	-1.02	143.4	1.62	0.01	Not required
	Bluetooth Ant 6		0.116		5mm							
	FR1 n7 Ant 0		1.091	1.091	5mm	9.6	-64	3.23				
	WLAN2.4GHz Ant 3		0.416	0.532	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 36	FR1 n66 Ant 0	Back	1.091	1.091	5mm	-5.7	-85.3	2.75	165.8	1.60	0.01	Not required
	WLAN5GHz Ant 5+4		0.389		5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116	5mm								
	FR1 n7 Ant 0	Back	1.091	1.091	5mm	9.6	-64	3.23	143.4	1.60	0.01	Not required
	WLAN5GHz Ant 5+4		0.389		5mm							
	Bluetooth Ant 6		0.116	5mm	-29.2	74	-0.95					
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 37	FR1 n66 Ant 0	Back	1.091	1.091	5mm	-5.7	-85.3	2.75	161.1	1.61	0.01	Not required
	WLAN2.4GHz Ant 6		0.252		0.523	5mm	-29.3	74				
	WLAN5GHz Ant 5		0.271	5mm								
	FR1 n7 Ant 0	Back	1.091	1.091	5mm	9.6	-64	3.23	149.7	1.61	0.01	Not required
	WLAN2.4GHz Ant 6		0.252		0.523	5mm						
	WLAN5GHz Ant 5		0.271	5mm		-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 38	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	158.8	1.85	0.02	Not required
	WLAN2.4GHz Ant 6+3		0.416		0.416	5mm	-19.8	81.2				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 39	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	134.2	1.97	0.02	Not required
	WLAN2.4GHz Ant 3		0.416		0.532	5mm	-39.4	49.6				
	Bluetooth Ant 6		0.116	5mm								
	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	154.0	1.97	0.02	Not required
	WLAN2.4GHz Ant 3		0.416		0.532	5mm						
	Bluetooth Ant 6		0.116	5mm		-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 40	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	159.2	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.389		0.505	5mm	-34.2	78				
	Bluetooth Ant 6		0.116	5mm								
	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	154.0	1.94	0.02	Not required
	WLAN5GHz Ant 5+4		0.389		0.505	5mm						
	Bluetooth Ant 6		0.116	5mm		-29.2	74	-0.95				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 41	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	154.0	1.96	0.02	Not required
	WLAN2.4GHz Ant 6		0.252		0.523	5mm	-29.3	74				
	WLAN5GHz Ant 5		0.271	5mm								
	FR1 n41 Ant 0	Back	1.436	1.436	5mm	11.8	-74.4	3.28	160.3	1.96	0.02	Not required
	WLAN2.4GHz Ant 6		0.252		0.523	5mm						
	WLAN5GHz Ant 5		0.271	5mm		-28.2	80.8	-0.99				
Case No	Band	Position	SAR 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Gap (mm)	X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case 42	LTE Band 2 Ant 0	Back	0.914	1.078	5mm	-2.3	-80.8	3.31	153.7	1.99	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm	22.8	70.8	3.08				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			(W/kg)	1g SAR (W/kg)	(mm)	X	Y	Z				
	WLAN2.4GHz Ant 6+3	Back	0.416		5mm				163.0	1.99	0.02	Not required
	LTE Band 2 Ant 0		0.914	0.914	5mm	-2.3	-80.8	3.31				
	LTE Band 7 Ant 1		0.662	1.078	5mm							
	WLAN2.4GHz Ant 6+3		0.416		5mm	-19.8	81.2	-0.99				
Case 43	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	153.7	2.11	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm	22.8	70.8	3.08				
	WLAN2.4GHz Ant 3		0.416	1.194	5mm							
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	135.6	2.11	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm							
	WLAN2.4GHz Ant 3		0.416	1.194	5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	157.2	2.11	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm							
	WLAN2.4GHz Ant 3		0.416	1.194	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 44	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	153.7	2.08	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm	22.8	70.8	3.08				
	WLAN5GHz Ant 5+4		0.389	1.167	5mm							
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	162.0	2.08	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm							
	WLAN5GHz Ant 5+4		0.389	1.167	5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	157.2	2.08	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm							
	WLAN5GHz Ant 5+4		0.389	1.167	5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 45	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	153.7	2.10	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm	22.8	70.8	3.08				
	WLAN2.4GHz Ant 6		0.252	1.185	5mm							
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	157.2	2.10	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm							
	WLAN2.4GHz Ant 6		0.252	1.185	5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	163.7	2.10	0.02	Not required
	LTE Band 7 Ant 1		0.662		5mm							
	WLAN2.4GHz Ant 6		0.252	1.185	5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case 46	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	153.9	1.91	0.02	Not required
	LTE Band 66(4) Ant 1		0.576	0.992	5mm	16.4	72	3.13				
	WLAN2.4GHz Ant 6+3		0.416		5mm							
	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	163.0	1.91	0.02	Not required
LTE Band 66(4) Ant 1	0.576		0.992	5mm								
WLAN2.4GHz Ant 6+3	0.416			5mm	-19.8	81.2	-0.99					



# FCC SAR Test Report

Report No. : FA320205

Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			1g SAR (W/kg)	(mm)	X	Y	Z					
Case 47	LTE Band 2 Ant 0	Back	0.914	0.914	5mm	-2.3	-80.8	3.31	153.9	2.02	0.02	Not required
	LTE Band 66(4) Ant 1		0.576	1.108	5mm	16.4	72	3.13				
	WLAN2.4GHz Ant 3		0.416		5mm							
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	135.6	2.02	0.02
	LTE Band 66(4) Ant 1		0.576	1.108	5mm							
	WLAN2.4GHz Ant 3		0.416		5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	157.2	2.02	0.02
	LTE Band 66(4) Ant 1		0.576	1.108	5mm							
	WLAN2.4GHz Ant 3		0.416		5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 48	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	153.9	2.00	0.02
	LTE Band 66(4) Ant 1		0.576	1.081	5mm	16.4	72	3.13				
	WLAN5GHz Ant 5+4		0.389		5mm							
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	162.0	2.00	0.02
	LTE Band 66(4) Ant 1		0.576	1.081	5mm							
	WLAN5GHz Ant 5+4		0.389		5mm	-34.2	78	-0.97				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	157.2	2.00	0.02
	LTE Band 66(4) Ant 1		0.576	1.081	5mm							
	WLAN5GHz Ant 5+4		0.389		5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
Case 49	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	153.9	2.01	0.02
	LTE Band 66(4) Ant 1		0.576	1.099	5mm	16.4	72	3.13				
	WLAN2.4GHz Ant 6		0.252		5mm							
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	157.2	2.01	0.02
	LTE Band 66(4) Ant 1		0.576	1.099	5mm							
	WLAN2.4GHz Ant 6		0.252		5mm	-29.3	74	-0.96				
	WLAN5GHz Ant 5		0.271		5mm							
	LTE Band 2 Ant 0	Back	0.914		0.914	5mm	-2.3	-80.8	3.31	163.7	2.01	0.02
	LTE Band 66(4) Ant 1		0.576	1.099	5mm							
	WLAN2.4GHz Ant 6		0.252		5mm							
	WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99				
Case 50	LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24	151.0	1.98	0.02
	LTE Band 26(5) Ant 1		0.631	1.047	5mm	19.9	71.2	-1.39				
	WLAN2.4GHz Ant 6+3		0.416		5mm							
	LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24	159.8	1.98	0.02
	LTE Band 26(5) Ant 1		0.631	1.047	5mm							
	WLAN2.4GHz Ant 6+3		0.416		5mm	-19.8	81.2	-0.99				
Case 51	LTE Band 66(4) Ant 0	Back	0.937	0.937	5mm	-3.9	-77.8	3.24	151.0	2.10	0.02	Not required
	LTE Band 26(5) Ant 1		0.631	1.163	5mm	19.9	71.2	-1.39				



Case No	Band	Position	SAR 1g SAR (W/kg)	Summed	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			1g SAR (W/kg)	(mm)	X	Y	Z					
	WLAN2.4GHz Ant 3	Back	0.416		5mm				132.3	2.10	0.02	Not required
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 66(4) Ant 0	Back	0.937	0.937	5mm	-3.9	-77.8	3.24				
	LTE Band 26(5) Ant 1		0.631	1.163	5mm							
	WLAN2.4GHz Ant 3		0.416		5mm	-39.4	49.6	-1.02				
	Bluetooth Ant 6		0.116		5mm							
	LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8				
	LTE Band 26(5) Ant 1		0.631	1.163	5mm							
	WLAN2.4GHz Ant 3		0.416		5mm							
	Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95				
LTE Band 66(4) Ant 0	Back	0.937	0.937		5mm	-3.9	-77.8	3.24				
LTE Band 26(5) Ant 1		0.631	1.136	5mm	19.9	71.2	-1.39					
WLAN5GHz Ant 5+4		0.389		5mm								
Bluetooth Ant 6		0.116		5mm								
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 26(5) Ant 1		0.631	1.136	5mm								
WLAN5GHz Ant 5+4		0.389		5mm	-34.2	78	-0.97					
Bluetooth Ant 6		0.116		5mm								
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 26(5) Ant 1		0.631	1.136	5mm								
WLAN5GHz Ant 5+4		0.389		5mm								
Bluetooth Ant 6		0.116		5mm	-29.2	74	-0.95					
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 26(5) Ant 1		0.631	1.154	5mm	19.9	71.2	-1.39					
WLAN2.4GHz Ant 6		0.252		5mm								
WLAN5GHz Ant 5		0.271		5mm								
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 26(5) Ant 1		0.631	1.154	5mm								
WLAN2.4GHz Ant 6		0.252		5mm	-29.3	74	-0.96					
WLAN5GHz Ant 5		0.271		5mm								
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 26(5) Ant 1		0.631	1.154	5mm								
WLAN2.4GHz Ant 6		0.252		5mm								
WLAN5GHz Ant 5		0.271		5mm	-28.2	80.8	-0.99					
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 7 Ant 1		0.662	1.078	5mm	22.8	70.8	3.08					
WLAN2.4GHz Ant 6+3	Back	0.416		0.937	5mm							
LTE Band 66(4) Ant 0		0.937	5mm		-3.9	-77.8	3.24					
LTE Band 7 Ant 1		0.662	5mm									
WLAN2.4GHz Ant 6+3		0.416	5mm		-19.8	81.2	-0.99					
LTE Band 66(4) Ant 0	Back	0.937	0.937	5mm	-3.9	-77.8	3.24					
LTE Band 7 Ant 1		0.662	1.194	5mm	22.8	70.8	3.08					
WLAN2.4GHz Ant 3		0.416		5mm								
Bluetooth Ant 6		0.116		5mm								
LTE Band 66(4) Ant 0	Back	0.937		0.937	5mm	-3.9	-77.8	3.24				
LTE Band 7 Ant 1		0.662	5mm									