



	FR1 n66 other PA	45M	QPSK	120	60	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	349000	1745	1	21.86	22.90	1.271	-	-	-0.09	0.945	1.201
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	349000	1745	1	22.80	24.00	1.318	-	-	-0.07	0.279	0.368
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	15mm	Ant 1	-	ECI 4	349000	1745	1	22.80	24.00	1.318	-	-	0.05	0.284	0.374
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	349000	1745	1	18.06	19.00	1.242	-	-	0.08	0.319	0.396
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	349000	1745	1	18.03	19.00	1.250	-	-	0.01	0.316	0.395
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	1	18.06	19.00	1.242	-	-	-0.01	0.718	0.892
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	1	18.03	19.00	1.250	-	-	-0.08	0.700	0.875
	FR1 n66	45M	QPSK	240	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	1	18.04	19.00	1.247	-	-	-0.08	0.581	0.725
	FR1 n66 other PA	45M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	349000	1745	1	18.06	19.00	1.242	-	-	-0.01	0.663	0.823
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	15mm	Ant 4	-	ECI 4	349000	1745	1	22.51	24.00	1.409	-	-	-0.03	0.250	0.352
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	-	ECI 4	349000	1745	1	22.51	24.00	1.409	-	-	0.08	0.446	0.629
1900MHz																						
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	-	ECI 3	661	1880	1	25.22	26.50	1.343	-	-	0.1	0.898	1.206
57	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	-	ECI 3	512	1850.2	1	25.16	26.50	1.361	-	-	0.01	0.941	1.281
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	-	ECI 3	810	1909.8	1	25.18	26.50	1.355	-	-	-0.18	0.907	1.229
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	-	ECI 3	661	1880	1	25.22	26.50	1.343	-	-	0.1	0.924	1.241
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	-	ECI 3	512	1850.2	1	25.16	26.50	1.361	-	-	0.12	0.907	1.235
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	-	ECI 3	810	1909.8	1	25.18	26.50	1.355	-	-	0.08	0.909	1.232
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	5mm	Ant 1	Headset	ECI 3	512	1850.2	1	25.16	26.50	1.361	-	-	0.03	0.912	1.242
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 1	Headset	ECI 3	661	1880	1	25.22	26.50	1.343	-	-	0.01	0.896	1.203
58	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	9400	1880	1	20.52	21.60	1.282	-	-	-0.02	0.998	1.280
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	9262	1852.4	1	20.41	21.60	1.315	-	-	-0.17	0.894	1.176
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	-	ECI 3	9538	1907.6	1	20.45	21.60	1.303	-	-	-0.03	0.878	1.144
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9400	1880	1	20.52	21.60	1.282	-	-	0.14	0.902	1.157
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9262	1852.4	1	20.41	21.60	1.315	-	-	0.11	0.892	1.173
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	5mm	Ant 1	-	ECI 3	9538	1907.6	1	20.45	21.60	1.303	-	-	-0.05	0.889	1.159
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant 1	Headset	ECI 3	9400	1880	1	20.52	21.60	1.282	-	-	0.02	0.976	1.252
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	15mm	Ant 1	-	ECI 4	9400	1880	1	22.63	24.00	1.371	-	-	0.06	0.279	0.382
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	15mm	Ant 1	-	ECI 4	9262	1852.4	1	22.56	24.00	1.393	-	-	-0.03	0.316	0.440
59	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	26340	1880	1	20.84	21.80	1.247	-	-	-0.06	1.020	1.272
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	26140	1860	1	20.73	21.80	1.279	-	-	0.18	0.991	1.268
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	26590	1905	1	20.78	21.80	1.265	-	-	0.14	0.979	1.238
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	26340	1880	1	20.78	21.80	1.265	-	-	-0.17	0.984	1.245
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	26140	1860	1	20.74	21.80	1.276	-	-	0.17	0.966	1.233
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	26590	1905	1	20.71	21.80	1.285	-	-	-0.05	0.972	1.249
	LTE Band 25	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	ECI 3	26340	1880	1	20.76	21.80	1.271	-	-	0.01	0.984	1.250
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26340	1880	1	20.84	21.80	1.247	-	-	0.1	0.867	1.081
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26140	1860	1	20.73	21.80	1.279	-	-	-0.17	0.884	1.131
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	26590	1905	1	20.78	21.80	1.265	-	-	0.04	0.861	1.089
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	26340	1880	1	20.78	21.80	1.265	-	-	-0.01	0.878	1.110
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	26140	1860	1	20.74	21.80	1.276	-	-	-0.08	0.862	1.100
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	26590	1905	1	20.71	21.80	1.285	-	-	0.05	0.852	1.095
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	26340	1880	1	20.76	21.80	1.271	-	-	0.06	0.867	1.102
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 1	Headset	ECI 3	26340	1880	1	20.84	21.80	1.247	-	-	0.02	0.985	1.229
	LTE Band 2 other PA	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	18900	1880	1	20.72	21.80	1.282	-	-	-0.06	0.956	1.226
	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	26340	1880	1	22.33	24.00	1.469	-	-	-0.13	0.325	0.477
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 1	-	ECI 4	26140	1860	1	22.30	24.00	1.479	-	-	0.03	0.365	0.540
	LTE Band 25	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	26340	1880	1	16.78	17.70	1.236	-	-	-0.09	0.300	0.371
	LTE Band 25	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	26340	1880	1	16.77	17.70	1.239	-	-	0.12	0.233	0.289
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	1	16.78	17.70	1.236	-	-	0.05	0.679	0.839
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26140	1860	1	16.67	17.70	1.268	-	-	-0.1	0.692	0.877
	LTE Band 25	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	26590	1905	1	16.71	17.70	1.256	-	-	0.07	0.609	0.765
	LTE Band 25	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	1	16.77	17.70	1.239	-	-	0.18	0.533	0.660
	LTE Band 25	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	26340	1880	1	16.70	17.70	1.259	-	-	-0.15	0.533	0.671
	LTE Band 2 other PA	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	18700	1860	1	16.60	17.70	1.288	-	-	-0.1	0.663	0.854



	LTE Band 25	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	ECI 4	26340	1880	1	21.53	23.00	1.403	-	-	-0.04	0.208	0.292	
	LTE Band 25	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	ECI 4	26140	1860	1	21.39	23.00	1.449	-	-	-0.08	0.481	0.697	
60	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	22.31	23.30	1.256	-	-	0.19	1.000	1.256	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	22.30	23.30	1.259	-	-	-0.09	1.020	1.284	
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	21.80	23.00	1.318	-	-	0.07	0.806	1.063	
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	22.31	23.30	1.256	-	-	-0.18	0.953	1.197	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	22.30	23.30	1.259	-	-	0.03	0.947	1.192	
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	376000	1880	1	21.80	23.00	1.318	-	-	-0.15	0.836	1.102	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	Headset	ECI 3	376000	1880	1	22.30	23.30	1.259	-	-	0.02	0.976	1.229	
	FR1 n2 other PA	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	376000	1880	1	22.30	23.30	1.259	-	-	-0.09	0.962	1.211	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	376000	1880	1	22.77	24.00	1.327	-	-	0.17	0.208	0.276	
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 1	-	ECI 4	376000	1880	1	22.78	24.00	1.324	-	-	0.18	0.262	0.347	
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	376000	1880	1	18.22	19.10	1.225	-	-	-0.15	0.282	0.345	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	376000	1880	1	18.20	19.10	1.230	-	-	0.11	0.283	0.348	
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376000	1880	1	18.22	19.10	1.225	-	-	-0.07	0.717	0.878	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376000	1880	1	18.20	19.10	1.230	-	-	-0.17	0.671	0.826	
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376000	1880	1	18.18	19.10	1.236	-	-	-0.08	0.641	0.792	
	FR1 n2 other PA	40M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	376000	1880	1	18.22	19.10	1.225	-	-	-0.07	0.685	0.839	
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	15mm	Ant 4	-	ECI 4	376000	1880	1	22.17	24.00	1.524	-	-	-0.04	0.213	0.325	
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	-	ECI 4	376000	1880	1	22.18	24.00	1.521	-	-	-0.08	0.353	0.537	
	2600MHz																						
		LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	1	20.74	21.60	1.219	-	-	-0.04	0.974	1.187
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	20850	2510	1	20.71	21.60	1.227	-	-	-0.08	0.912	1.119	
61	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21350	2560	1	20.62	21.60	1.253	-	-	-0.07	1.030	1.291	
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	1	20.72	21.60	1.225	-	-	0.17	0.918	1.124	
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	20850	2510	1	20.68	21.60	1.236	-	-	0.18	0.899	1.111	
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	21350	2560	1	20.65	21.60	1.245	-	-	-0.04	0.886	1.103	
	LTE Band 7	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	ECI 3	21100	2535	1	20.68	21.60	1.236	-	-	-0.08	0.824	1.018	
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	1	20.74	21.60	1.219	-	-	-0.13	0.724	0.883	
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	1	20.71	21.60	1.227	-	-	-0.13	0.730	0.896	
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	1	20.62	21.60	1.253	-	-	0.06	0.743	0.931	
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	1	20.72	21.60	1.225	-	-	-0.03	0.746	0.914	
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	20850	2510	1	20.68	21.60	1.236	-	-	-0.03	0.722	0.892	
	LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	21350	2560	1	20.65	21.60	1.245	-	-	0.08	0.677	0.843	
	LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	21100	2535	1	20.68	21.60	1.236	-	-	-0.07	0.641	0.792	
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	Headset	ECI 3	21350	2560	1	20.62	21.60	1.253	-	-	0.02	1.000	1.253	
	LTE Band 7 other PA	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21350	2560	1	20.62	21.60	1.253	-	-	-0.07	0.954	1.195	
	LTE Band 7C	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	21350+21152	2560+2540.2	1	20.54	21.60	1.276	-	-	0.06	0.930	1.187	
	LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	21350	2560	1	22.20	24.00	1.514	-	-	-0.17	0.345	0.522	
	LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 1	-	ECI 4	21350	2560	1	22.20	24.00	1.514	-	-	-0.08	0.291	0.440	
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	21100	2535	1	17.13	18.10	1.250	-	-	0.05	0.251	0.314	
	LTE Band 7	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	21100	2535	1	17.10	18.10	1.259	-	-	0.03	0.199	0.251	
	LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	21100	2535	1	17.13	18.10	1.250	-	-	-0.09	0.686	0.858	
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	20850	2510	1	17.04	18.10	1.276	-	-	0.11	0.660	0.842		
LTE Band 7	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	21350	2560	1	17.07	18.10	1.268	-	-	-0.11	0.704	0.892		
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	21100	2535	1	17.10	18.10	1.259	-	-	-0.05	0.667	0.840		
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	20850	2510	1	17.01	18.10	1.285	-	-	-0.08	0.659	0.847		
LTE Band 7	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	21350	2560	1	17.04	18.10	1.276	-	-	0.16	0.638	0.814		
LTE Band 7	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	21100	2535	1	17.04	18.10	1.276	-	-	0.05	0.625	0.798		
LTE Band 7 other PA	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	21350	2560	1	17.07	18.10	1.268	-	-	-0.11	0.655	0.830		
LTE Band 7C	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	21350+21152	2560+2540.2	1	16.93	18.10	1.309	-	-	0.03	0.655	0.858		
LTE Band 7	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	ECI 4	21100	2535	1	21.62	23.00	1.374	-	-	0.11	0.214	0.294		
LTE Band 7	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	ECI 4	21350	2560	1	21.57	23.00	1.390	-	-	-0.08	0.429	0.596		
62	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	21.55	22.80	1.334	62.9	1.006	-0.09	0.959	1.287	



	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	39750	2506	1	21.52	22.80	1.343	62.9	1.006	0.01	0.834	1.127
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40185	2549.5	1	21.50	22.80	1.349	62.9	1.006	-0.15	0.869	1.179
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	41055	2636.5	1	21.48	22.80	1.355	62.9	1.006	0.19	0.893	1.217
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	41490	2680	1	21.51	22.80	1.346	62.9	1.006	0.07	0.807	1.093
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	21.50	22.80	1.349	62.9	1.006	-0.18	0.798	1.083
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	39750	2506	1	21.49	22.80	1.352	62.9	1.006	0.03	0.759	1.032
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	40185	2549.5	1	21.42	22.80	1.374	62.9	1.006	-0.15	0.752	1.039
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	41055	2636.5	1	21.44	22.80	1.368	62.9	1.006	-0.15	0.761	1.047
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 1	-	ECI 3	41490	2680	1	21.41	22.80	1.377	62.9	1.006	0.11	0.747	1.035
	LTE Band 41	20M	QPSK	100	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	21.49	22.80	1.352	62.9	1.006	-0.08	0.741	1.008
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	21.55	22.80	1.334	62.9	1.006	-0.17	0.614	0.824
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	39750	2506	1	21.52	22.80	1.343	62.9	1.006	-0.08	0.593	0.801
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	40185	2549.5	1	21.50	22.80	1.349	62.9	1.006	-0.04	0.578	0.784
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41055	2636.5	1	21.48	22.80	1.355	62.9	1.006	-0.08	0.614	0.837
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 1	-	ECI 3	41490	2680	1	21.51	22.80	1.346	62.9	1.006	0.17	0.552	0.747
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	21.50	22.80	1.349	62.9	1.006	0.18	0.390	0.529
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 1	-	ECI 3	40620	2593	1	21.49	22.80	1.352	62.9	1.006	-0.06	0.389	0.529
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	23.12	24.40	1.343	42.9	1.009	-0.06	0.866	1.173
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 1	Headset	ECI 3	40620	2593	1	21.55	22.80	1.334	62.9	1.006	0.02	0.936	1.256
	LTE Band 41 other PA	20M	QPSK	1	0	-	Front	5mm	Ant 1	-	ECI 3	40620	2593	1	21.55	22.80	1.334	62.9	1.006	-0.09	0.946	1.269
	LTE Band 41C	20M	QPSK	1	99	-	Front	5mm	Ant 1	-	ECI 3	40620+40818	2593+2612.8	1	21.43	22.80	1.371	62.9	1.006	0.06	0.863	1.190
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Front	5mm	Ant 1	-	ECI 3	40620+40818	2593+2612.8	1	23.04	24.40	1.368	42.9	1.009	0.02	0.832	1.148
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	40620	2593	1	22.52	24.00	1.406	62.9	1.006	-0.18	0.233	0.330
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 1	-	ECI 4	41055	2636.5	1	22.44	24.00	1.432	62.9	1.006	0.03	0.180	0.259
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	15mm	Ant 1	-	ECI 4	40620	2593	1	25.56	27.00	1.393	42.9	1.009	-0.15	0.313	0.440
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	15mm	Ant 1	-	ECI 4	41055	2636.5	1	25.52	27.00	1.406	42.9	1.009	-0.15	0.250	0.355
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant 4	-	ECI 3	40620	2593	1	18.22	19.30	1.282	62.9	1.006	-0.04	0.269	0.347
	LTE Band 41	20M	QPSK	50	0	-	Front	5mm	Ant 4	-	ECI 3	40620	2593	1	18.20	19.30	1.288	62.9	1.006	-0.03	0.160	0.207
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	1	18.22	19.30	1.282	62.9	1.006	-0.01	0.696	0.898
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	39750	2506	1	18.18	19.30	1.294	62.9	1.006	-0.12	0.620	0.807
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40185	2549.5	1	18.20	19.30	1.288	62.9	1.006	0.03	0.668	0.866
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	41055	2636.5	1	18.16	19.30	1.300	62.9	1.006	-0.16	0.676	0.884
	LTE Band 41	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	41490	2680	1	18.19	19.30	1.291	62.9	1.006	-0.02	0.595	0.773
	LTE Band 41	20M	QPSK	50	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	1	18.20	19.30	1.288	62.9	1.006	0.15	0.459	0.595
	LTE Band 41	20M	QPSK	100	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	1	18.18	19.30	1.294	62.9	1.006	0.16	0.439	0.572
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	1	19.81	20.90	1.285	42.9	1.009	-0.08	0.637	0.826
	LTE Band 41 other PA	20M	QPSK	1	0	-	Back	5mm	Ant 4	-	ECI 3	40620	2593	1	18.22	19.30	1.282	62.9	1.006	-0.01	0.643	0.829
	LTE Band 41C	20M	QPSK	1	99	-	Back	5mm	Ant 4	-	ECI 3	40620+40818	2593+2612.8	1	18.15	19.30	1.303	62.9	1.006	0.02	0.621	0.814
	LTE Band 41C HPUE	20M	QPSK	1	99	-	Back	5mm	Ant 4	-	ECI 3	40620+40818	2593+2612.8	1	19.73	20.90	1.309	42.9	1.009	0.06	0.603	0.797
	LTE Band 41	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	ECI 4	40620	2593	1	21.63	23.00	1.371	62.9	1.006	0.01	0.140	0.193
	LTE Band 41	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	ECI 4	40620	2593	1	21.63	23.00	1.371	62.9	1.006	-0.15	0.251	0.346
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Front	15mm	Ant 4	-	ECI 4	40620	2593	1	24.68	26.00	1.355	42.9	1.009	0.19	0.167	0.228
	LTE Band 41 HPUE	20M	QPSK	1	0	-	Back	15mm	Ant 4	-	ECI 4	40620	2593	1	24.68	26.00	1.355	42.9	1.009	0.07	0.328	0.449
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	1	21.66	22.60	1.242	-	-	0.05	0.965	1.198
63	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	1	21.62	22.60	1.253	-	-	-0.03	1.030	1.291
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant 1	-	ECI 3	507000	2535	1	21.65	22.60	1.245	-	-	-0.03	0.884	1.100
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	21.66	22.60	1.242	-	-	-0.15	0.700	0.869
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	21.62	22.60	1.253	-	-	0.02	0.747	0.936
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 1	-	ECI 3	507000	2535	1	21.65	22.60	1.245	-	-	0.07	0.572	0.712
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 1	Headset	ECI 3	507000	2535	1	21.62	22.60	1.253	-	-	0.01	0.995	1.247
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 1	-	ECI 4	507000	2535	1	22.55	24.00	1.396	-	-	-0.1	0.253	0.353
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	15mm	Ant 1	-	ECI 4	507000	2535	1	22.55	24.00	1.396	-	-	0.07	0.237	0.331
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	507000	2535	1	18.00	18.90	1.230	-	-	0.16	0.205	0.252
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant 4	-	ECI 3	507000	2535	1	17.94	18.90	1.247	-	-	0.13	0.226	0.282



	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	507000	2535	1	18.00	18.90	1.230	-	-	-0.06	0.711	0.875	
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	507000	2535	1	17.94	18.90	1.247	-	-	0.02	0.681	0.849	
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	5mm	Ant 4	-	ECI 3	507000	2535	1	17.98	18.90	1.236	-	-	0.16	0.578	0.714	
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	15mm	Ant 4	-	ECI 4	507000	2535	1	21.94	23.00	1.276	-	-	0.18	0.182	0.232	
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	15mm	Ant 4	-	ECI 4	507000	2535	1	21.96	23.00	1.271	-	-	-0.1	0.392	0.498	
64	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	1	21.91	23.10	1.315	-	-	-0.03	0.936	1.231	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	1	21.88	23.10	1.324	-	-	-0.01	0.965	1.278	
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 1	-	ECI 3	518598	2592.99	1	21.87	23.00	1.297	-	-	0.07	0.756	0.981	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	1	21.91	23.10	1.315	-	-	0.06	0.756	0.994	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	1	21.88	23.10	1.324	-	-	0.01	0.670	0.887	
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 1	-	ECI 3	518598	2592.99	1	21.87	23.00	1.297	-	-	-0.01	0.567	0.736	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 1	Headset	ECI 3	518598	2592.99	1	21.88	23.10	1.324	-	-	0.06	0.944	1.250	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 1	-	ECI 4	518598	2592.99	1	22.84	24.00	1.306	-	-	0.18	0.273	0.357	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 1	-	ECI 4	518598	2592.99	1	22.85	24.00	1.303	-	-	0.16	0.224	0.292	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	518598	2592.99	1	17.94	18.90	1.247	-	-	-0.06	0.217	0.271	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 4	-	ECI 3	518598	2592.99	1	17.89	18.90	1.262	-	-	-0.04	0.214	0.270	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	518598	2592.99	1	17.94	18.90	1.247	-	-	-0.17	0.659	0.822	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	518598	2592.99	1	17.89	18.90	1.262	-	-	0.04	0.706	0.891	
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 4	-	ECI 3	518598	2592.99	1	17.87	18.90	1.268	-	-	-0.1	0.541	0.686	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	15mm	Ant 4	-	ECI 4	518598	2592.99	1	22.38	24.00	1.452	-	-	0.12	0.152	0.221	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 4	-	ECI 4	518598	2592.99	1	22.34	24.00	1.466	-	-	0.03	0.396	0.580	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	518598	2592.99	1	19.15	20.00	1.216	-	-	0.18	0.454	0.552	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 2	-	ECI 3	518598	2592.99	1	18.96	20.00	1.271	-	-	-0.17	0.437	0.555	
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	1	19.15	20.00	1.216	-	-	-0.05	0.458	0.557	
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 2	-	ECI 3	518598	2592.99	1	18.96	20.00	1.271	-	-	-0.09	0.471	0.598	
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	1	21.29	22.00	1.178	-	-	-0.13	0.239	0.281		
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 0	-	ECI 3	518598	2592.99	1	21.25	22.00	1.189	-	-	-0.01	0.271	0.322		
FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	1	21.29	22.00	1.178	-	-	-0.01	0.679	0.800		
FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	1	21.25	22.00	1.189	-	-	-0.09	0.666	0.792		
FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 0	-	ECI 3	518598	2592.99	1	20.29	21.00	1.178	-	-	0.05	0.601	0.708		
3500-3900MHz																							
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	5mm	Ant 3	-	ECI 3	42590	3500	1	18.37	19.60	1.327	62.9	1.006	0.02	0.586	0.783	
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	5mm	Ant 3	-	ECI 3	42590	3500	1	18.35	19.60	1.334	62.9	1.006	0.06	0.470	0.631	
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 3	42590	3500	1	18.37	19.60	1.327	62.9	1.006	0.11	0.626	0.836	
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 3	42190	3460	1	18.32	19.60	1.343	62.9	1.006	-0.02	0.656	0.886	
65	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 3	42990	3540	1	18.35	19.60	1.334	62.9	1.006	0.03	0.662	0.888	
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Back	5mm	Ant 3	-	ECI 3	42590	3500	1	18.35	19.60	1.334	62.9	1.006	0.1	0.506	0.679	
LTE Band 42 Part 27Q	20M	QPSK	100	0	-	Back	5mm	Ant 3	-	ECI 3	42590	3500	1	18.32	19.60	1.343	62.9	1.006	-0.18	0.506	0.684		
LTE Band 42C Part 27Q	20M	QPSK	1	0	-	Back	5mm	Ant 3	-	ECI 3	42990+ 42792	3540+ 3520.2	1	18.17	19.60	1.390	62.9	1.006	0.01	0.603	0.843		
LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	15mm	Ant 3	-	ECI 4	42590	3500	1	22.36	24.00	1.459	62.9	1.006	-0.08	0.343	0.503		
LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Back	15mm	Ant 3	-	ECI 4	42990	3540	1	22.29	24.00	1.483	62.9	1.006	0.13	0.342	0.510		
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	656000	3840	1	19.59	20.40	1.205	-	-	-0.11	0.686	0.827		
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	656000	3840	1	19.46	20.40	1.242	-	-	-0.16	0.679	0.843		
FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 3	-	ECI 3	656000	3840	1	19.45	20.40	1.245	-	-	-0.15	0.548	0.682		
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	656000	3840	1	19.59	20.40	1.205	-	-	-0.01	0.725	0.874		
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	656000	3840	1	19.46	20.40	1.242	-	-	-0.06	0.701	0.870		
FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 3	-	ECI 3	656000	3840	1	19.45	20.40	1.245	-	-	-0.14	0.598	0.744		
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 3	-	ECI 4	656000	3840	1	25.45	27.00	1.429	-	-	0.06	0.497	0.710		
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	15mm	Ant 3	-	ECI 4	656000	3840	1	25.54	27.00	1.400	-	-	-0.09	0.472	0.661		
FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	1	19.44	20.40	1.247	-	-	-0.19	0.247	0.308		
FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 5	-	ECI 3	656000	3840	1	19.31	20.40	1.285	-	-	0.01	0.286	0.368		
FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	1	19.44	20.40	1.247	-	-	0.06	0.681	0.849		
FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	1	19.31	20.40	1.285	-	-	0.06	0.692	0.889		
FR1 n77 Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	1	19.42	20.40	1.253	-	-	0.02	0.600	0.752		
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 5	-	ECI 3	656000	3840	1	19.31	20.40	1.285	-	-	0.04	0.665	0.855		



	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 5	-	ECI 4	656000	3840	1	22.39	24.00	1.449	-	-	-0.08	0.055	0.080
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 5	-	ECI 4	656000	3840	1	22.39	24.00	1.449	-	-	0.05	0.091	0.132
	FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	656000	3840	1	18.74	19.80	1.276	-	-	-0.16	0.450	0.574
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 7	-	ECI 3	656000	3840	1	18.72	19.80	1.282	-	-	-0.12	0.463	0.594
	FR1 n77 Part 270	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	18.74	19.80	1.276	-	-	-0.02	0.641	0.818
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	18.72	19.80	1.282	-	-	0.01	0.694	0.890
	FR1 n77 Part 270	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	18.70	19.80	1.288	-	-	-0.05	0.624	0.804
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 7	-	ECI 3	656000	3840	1	18.72	19.80	1.282	-	-	0.03	0.584	0.749
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 7	-	ECI 4	656000	3840	1	22.63	24.00	1.371	-	-	0.04	0.213	0.292
	FR1 n77 Part 270	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 7	-	ECI 4	656000	3840	1	22.63	24.00	1.371	-	-	-0.01	0.355	0.487
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Front	5mm	Ant 9	-	ECI 3	656000	3840	1	22.10	23.10	1.259	-	-	0.08	0.831	1.046
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	-	ECI 3	656000	3840	1	21.92	23.10	1.312	-	-	0.16	0.930	1.220
	FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant 9	-	ECI 3	656000	3840	1	21.85	23.10	1.334	-	-	0.01	0.695	0.927
	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Back	5mm	Ant 9	-	ECI 3	656000	3840	1	22.10	23.10	1.259	-	-	-0.16	0.936	1.178
66	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	-	ECI 3	656000	3840	1	21.92	23.10	1.312	-	-	0.06	0.978	1.283
	FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	5mm	Ant 9	-	ECI 3	656000	3840	1	21.85	23.10	1.334	-	-	0.1	0.773	1.031
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant 9	Headset	ECI 3	656000	3840	1	21.92	23.10	1.312	-	-	0.06	0.911	1.195
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant 9	Headset	ECI 3	656000	3840	1	21.92	23.10	1.312	-	-	0.02	0.966	1.268
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	15mm	Ant 9	-	ECI 4	656000	3840	1	25.86	27.00	1.300	-	-	0.1	0.482	0.627
	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	15mm	Ant 9	-	ECI 4	656000	3840	1	25.86	27.00	1.300	-	-	-0.17	0.503	0.654

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)
2450MHz																	
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+8(6)	Standalone	1	2412	1	18.75	20.50	1.496	100	1.000	-0.1	0.557	0.833
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+8(6)	Standalone	11	2462	1	18.60	20.50	1.549	100	1.000	-0.15	0.411	0.637
67	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+8(6)	Standalone	1	2412	1	18.75	20.50	1.496	100	1.000	0.09	0.740	1.107
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6+8(6)	Standalone	11	2462	1	18.60	20.50	1.549	100	1.000	0.07	0.590	0.914
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+8(6)	WWAN+non DBS	1	2412	1	14.56	16.00	1.393	100	1.000	0.08	0.192	0.267
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6+8(6)	WWAN+non DBS	1	2412	1	14.56	16.00	1.393	100	1.000	-0.07	0.256	0.357
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6+8(6)	Full power	1	2412	1	19.31	21.00	1.476	100	1.000	-0.05	0.131	0.193
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6+8(6)	Full power	1	2412	1	19.31	21.00	1.476	100	1.000	0.01	0.173	0.255
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	DBS only	1	2412	1	19.31	21.00	1.476	100	1.000	0.01	0.320	0.472
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	DBS only	1	2412	1	19.31	21.00	1.476	100	1.000	-0.06	0.496	0.732
	WLAN2.4GHz	802.11b 1Mbps	Front	5mm	Ant 6	WWAN+DBS	1	2412	1	13.87	15.50	1.455	100	1.000	0.05	0.080	0.116
	WLAN2.4GHz	802.11b 1Mbps	Back	5mm	Ant 6	WWAN+DBS	1	2412	1	13.87	15.50	1.455	100	1.000	-0.11	0.124	0.180
	WLAN2.4GHz	802.11b 1Mbps	Front	15mm	Ant 6	Full power	1	2412	1	19.31	21.00	1.476	100	1.000	-0.17	0.068	0.100
	WLAN2.4GHz	802.11b 1Mbps	Back	15mm	Ant 6	Full power	1	2412	1	19.31	21.00	1.476	100	1.000	0.17	0.075	0.111
68	Bluetooth	1Mbps	Front	5mm	Ant 6	Full power	39	2441	1	16.90	18.00	1.288	76.79	1.085	-0.03	0.171	0.239
	Bluetooth	1Mbps	Back	5mm	Ant 6	Full power	39	2441	1	16.90	18.00	1.288	76.79	1.085	-0.08	0.108	0.151
5000MHz																	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 5+7(5)	Standalone	54	5270	1	14.35	16.00	1.462	93.75	1.067	0.14	0.416	0.649
69	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(5)	Standalone	54	5270	1	14.35	16.00	1.462	93.75	1.067	0.01	0.705	1.100
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 5+7(5)	Standalone	62	5310	1	11.79	13.50	1.483	93.75	1.067	0.03	0.262	0.414
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	WWAN+non DBS	58	5290	1	9.42	11.00	1.439	87.32	1.145	0.11	0.145	0.239
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	WWAN+non DBS	58	5290	1	9.42	11.00	1.439	87.32	1.145	-0.05	0.236	0.389
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	15mm	Ant 5+7(5)	Full power	60	5300	1	17.85	19.50	1.462	97.01	1.031	0.18	0.294	0.443
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	15mm	Ant 5+7(5)	Full power	60	5300	1	17.85	19.50	1.462	97.01	1.031	0.14	0.342	0.516
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	5mm	Ant 7	DBS only	54	5270	1	15.03	16.50	1.403	93.75	1.067	-0.15	0.306	0.458
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	5mm	Ant 7	DBS only	54	5270	1	15.03	16.50	1.403	93.75	1.067	0.07	0.510	0.763
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7	WWAN+DBS	58	5290	1	9.05	10.50	1.396	87.32	1.145	-0.15	0.071	0.114
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7	WWAN+DBS	58	5290	1	9.05	10.50	1.396	87.32	1.145	0.11	0.119	0.190
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	15mm	Ant 7	Full power	60	5300	1	17.89	19.50	1.449	97.01	1.031	0.11	0.219	0.327



	WLAN5.3GHz	802.11n-HT20 MCS0	Back	15mm	Ant 7	Full power	60	5300	1	17.89	19.50	1.449	97.01	1.031	-0.05	0.274	0.409
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	Standalone	138	5690	1	13.44	15.00	1.432	87.32	1.145	0.1	0.420	0.689
70	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	Standalone	138	5690	1	13.44	15.00	1.432	87.32	1.145	0.07	0.703	1.153
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	Standalone	122	5610	1	13.32	15.00	1.472	87.32	1.145	0.08	0.648	1.092
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	8.46	10.00	1.426	87.32	1.145	-0.17	0.135	0.220
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	8.46	10.00	1.426	87.32	1.145	-0.03	0.235	0.384
	WLAN5.5GHz	802.11n-HT20 MCS0	Front	15mm	Ant 5+7(5)	Full power	144	5720	1	17.80	19.50	1.479	97.01	1.031	-0.03	0.250	0.381
	WLAN5.5GHz	802.11n-HT20 MCS0	Back	15mm	Ant 5+7(5)	Full power	144	5720	1	17.80	19.50	1.479	97.01	1.031	0.14	0.419	0.639
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7	DBS only	138	5690	1	12.64	14.00	1.368	87.32	1.145	-0.08	0.292	0.457
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7	DBS only	138	5690	1	12.64	14.00	1.368	87.32	1.145	-0.17	0.501	0.785
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7	WWAN+DBS	138	5690	1	6.58	8.00	1.387	87.32	1.145	-0.08	0.070	0.111
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7	WWAN+DBS	138	5690	1	6.58	8.00	1.387	87.32	1.145	-0.04	0.123	0.195
	WLAN5.5GHz	802.11n-HT20 MCS0	Front	15mm	Ant 7	Full power	144	5720	1	18.00	19.50	1.413	97.01	1.031	0.08	0.211	0.307
	WLAN5.5GHz	802.11n-HT20 MCS0	Back	15mm	Ant 7	Full power	144	5720	1	18.00	19.50	1.413	97.01	1.031	-0.17	0.406	0.591
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	Standalone	155	5775	1	13.28	15.00	1.486	87.32	1.145	-0.08	0.356	0.606
71	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	Standalone	155	5775	1	13.28	15.00	1.486	87.32	1.145	0.01	0.691	1.176
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 5+7(5)	WWAN+non DBS	155	5775	1	8.46	10.00	1.426	87.32	1.145	0.1	0.117	0.191
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 5+7(5)	WWAN+non DBS	155	5775	1	8.46	10.00	1.426	87.32	1.145	-0.18	0.226	0.369
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant 5+7(5)	Full power	149	5745	1	17.85	19.50	1.462	96.86	1.032	0.1	0.258	0.389
	WLAN5.8GHz	802.11a 6Mbps	Back	15mm	Ant 5+7(5)	Full power	149	5745	1	17.85	19.50	1.462	96.86	1.032	0.12	0.410	0.619
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7	DBS only	155	5775	1	14.12	15.50	1.374	87.32	1.145	0.18	0.229	0.360
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7	DBS only	155	5775	1	14.12	15.50	1.374	87.32	1.145	0.07	0.481	0.757
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	5mm	Ant 7	WWAN+DBS	155	5775	1	8.08	9.50	1.387	87.32	1.145	0.14	0.055	0.087
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	5mm	Ant 7	WWAN+DBS	155	5775	1	8.08	9.50	1.387	87.32	1.145	-0.17	0.116	0.184
	WLAN5.8GHz	802.11a 6Mbps	Front	15mm	Ant 7	Full power	149	5745	1	18.09	19.50	1.384	96.86	1.032	0.1	0.238	0.340
	WLAN5.8GHz	802.11a 6Mbps	Back	15mm	Ant 7	Full power	149	5745	1	18.09	19.50	1.384	96.86	1.032	-0.18	0.414	0.591



16.4 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)	Sample	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)
750MHz																					
72	LTE Band 12	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23095	707.5	1	22.35	24.00	1.462	-	-	0.08	1.800	2.632
	LTE Band 12	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23095	707.5	2	22.35	24.00	1.462	-	-	0.02	1.630	2.383
	LTE Band 12	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	23095	707.5	1	21.39	23.00	1.449	-	-	0.01	1.440	2.086
	LTE Band 12	10M	QPSK	50	0	-	Back	0mm	Ant 0	ECI 6	23095	707.5	1	21.35	23.00	1.462	-	-	0.05	1.400	2.047
73	LTE Band 13	10M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	23230	782	1	22.52	24.00	1.406	-	-	-0.04	1.420	1.997
	LTE Band 13	10M	QPSK	25	0	-	Back	0mm	Ant 0	ECI 6	23230	782	1	21.49	23.00	1.416	-	-	-0.08	1.130	1.600
835MHz																					
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	189	836.4	1	27.87	29.00	1.297	-	-	-0.03	2.160	2.802
74	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	128	824.2	1	27.79	29.00	1.321	-	-	0.01	2.280	3.013
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	128	824.2	2	27.79	29.00	1.321	-	-	0.01	2.020	2.669
	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECI 6	251	848.8	1	27.82	29.00	1.312	-	-	-0.03	2.130	2.795
75	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4182	836.4	1	22.53	24.00	1.403	-	-	-0.09	1.510	2.118
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4132	826.4	1	22.49	24.00	1.416	-	-	0.1	1.460	2.067
	WCDMA V	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 0	ECI 6	4233	846.6	1	22.50	24.00	1.413	-	-	-0.18	1.440	2.034
76	LTE Band 26	15M	QPSK	1	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	1	22.53	24.00	1.403	-	-	-0.12	1.600	2.245
	LTE Band 26	15M	QPSK	36	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	1	21.48	23.00	1.419	-	-	-0.08	1.250	1.774
	LTE Band 26	15M	QPSK	75	0	-	Back	0mm	Ant 0	ECI 6	26865	831.5	1	21.41	23.00	1.442	-	-	-0.12	1.210	1.745
1750MHz																					
77	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	1413	1732.6	1	21.46	22.30	1.213	-	-	0.03	2.600	3.155
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	1312	1712.4	1	21.38	22.30	1.236	-	-	-0.06	2.490	3.078
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECI 6	1513	1752.6	1	21.40	22.30	1.230	-	-	-0.14	2.360	2.903
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1413	1732.6	1	21.46	22.30	1.213	-	-	-0.19	2.520	3.058
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1312	1712.4	1	21.38	22.30	1.236	-	-	0.01	2.460	3.040
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECI 6	1513	1752.6	1	21.40	22.30	1.230	-	-	0.06	2.380	2.928
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECI 6	1413	1732.6	1	21.46	22.30	1.213	-	-	0.02	1.800	2.184
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECI 6	1312	1712.4	1	21.38	22.30	1.236	-	-	0.12	1.740	2.151
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECI 6	1513	1752.6	1	21.40	22.30	1.230	-	-	-0.16	1.710	2.104
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	7mm	Ant 1	ECI 4	1413	1732.6	1	22.55	24.00	1.396	-	-	0.03	0.568	0.793
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Back	6mm	Ant 1	ECI 4	1413	1732.6	1	22.55	24.00	1.396	-	-	-0.19	0.719	1.004
	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Bottom Side	12mm	Ant 1	ECI 4	1413	1732.6	1	22.55	24.00	1.396	-	-	0.02	0.427	0.596
78	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	132322	1745	1	21.45	22.70	1.334	-	-	0.02	2.380	3.174
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	132322	1745	2	21.45	22.70	1.334	-	-	0.01	1.950	2.600
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	132072	1720	1	21.39	22.70	1.352	-	-	-0.09	2.160	2.920
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	132572	1770	1	21.35	22.70	1.365	-	-	0.07	2.300	3.139
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	132322	1745	1	21.42	22.70	1.343	-	-	-0.09	2.360	3.169
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	132072	1720	1	21.28	22.70	1.387	-	-	-0.16	2.190	3.037
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	132572	1770	1	21.29	22.70	1.384	-	-	-0.18	2.220	3.072
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 1	ECI 6	132322	1745	1	21.39	22.70	1.352	-	-	-0.07	2.260	3.056
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	132322	1745	1	21.45	22.70	1.334	-	-	0.11	2.120	2.827
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	132072	1720	1	21.39	22.70	1.352	-	-	-0.08	2.050	2.772
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	132572	1770	1	21.35	22.70	1.365	-	-	-0.1	2.010	2.743
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	132322	1745	1	21.42	22.70	1.343	-	-	-0.01	2.010	2.699
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	132072	1720	1	21.28	22.70	1.387	-	-	-0.09	2.000	2.774
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	132572	1770	1	21.29	22.70	1.384	-	-	-0.06	2.030	2.809
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 1	ECI 6	132322	1745	1	21.39	22.70	1.352	-	-	-0.17	2.020	2.731
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	132322	1745	1	21.45	22.70	1.334	-	-	-0.01	1.690	2.254
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	132072	1720	1	21.39	22.70	1.352	-	-	-0.11	1.560	2.109
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	132572	1770	1	21.35	22.70	1.365	-	-	0.14	1.730	2.361
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	132322	1745	1	21.42	22.70	1.343	-	-	0.03	1.630	2.189
	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	132072	1720	1	21.28	22.70	1.387	-	-	0.1	1.500	2.080



	LTE Band 66	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	132572	1770	1	21.29	22.70	1.384	-	-	0.16	1.670	2.311
	LTE Band 66	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	ECl 6	132322	1745	1	21.39	22.70	1.352	-	-	-0.06	1.640	2.217
	LTE Band 66 other PA	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	132322	1745	1	21.45	22.70	1.334	-	-	0.02	2.260	3.014
	LTE Band 66	20M	QPSK	1	0	-	Front	7mm	Ant 1	ECl 4	132322	1745	1	22.39	24.00	1.449	-	-	0.02	0.564	0.817
	LTE Band 66	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECl 4	132322	1745	1	22.39	24.00	1.449	-	-	0.11	0.735	1.065
	LTE Band 66	20M	QPSK	1	0	-	Bottom Side	12mm	Ant 1	ECl 4	132572	1770	1	22.33	24.00	1.469	-	-	0.14	0.427	0.627
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECl 6	132322	1745	1	19.60	20.60	1.259	-	-	-0.03	1.590	2.002
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECl 6	132072	1720	1	19.46	20.60	1.300	-	-	0.07	1.560	2.028
	LTE Band 66	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECl 6	132572	1770	1	19.39	20.60	1.321	-	-	-0.12	1.570	2.074
	LTE Band 66	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECl 6	132322	1745	1	19.58	20.60	1.265	-	-	-0.03	1.250	1.581
	LTE Band 66	20M	QPSK	100	0	-	Front	0mm	Ant 4	ECl 6	132322	1745	1	19.53	20.60	1.279	-	-	0.02	1.260	1.612
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECl 6	132322	1745	1	19.60	20.60	1.259	-	-	-0.03	1.730	2.178
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECl 6	132072	1720	1	19.46	20.60	1.300	-	-	0.03	1.680	2.184
	LTE Band 66	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECl 6	132572	1770	1	19.39	20.60	1.321	-	-	-0.1	1.630	2.154
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECl 6	132322	1745	1	19.58	20.60	1.265	-	-	0.05	1.700	2.150
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECl 6	132072	1720	1	19.48	20.60	1.294	-	-	-0.05	1.630	2.110
	LTE Band 66	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECl 6	132572	1770	1	19.55	20.60	1.274	-	-	0.07	1.660	2.114
	LTE Band 66	20M	QPSK	100	0	-	Back	0mm	Ant 4	ECl 6	132322	1745	1	19.53	20.60	1.279	-	-	0.15	1.610	2.060
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	132322	1745	1	19.60	20.60	1.259	-	-	-0.04	1.980	2.493
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	132322	1745	2	19.60	20.60	1.259	-	-	0.01	1.690	2.128
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	132072	1720	1	19.46	20.60	1.300	-	-	-0.05	1.890	2.457
	LTE Band 66	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	132572	1770	1	19.39	20.60	1.321	-	-	-0.08	1.800	2.378
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECl 6	132322	1745	1	19.58	20.60	1.265	-	-	-0.08	1.900	2.403
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECl 6	132072	1720	1	19.48	20.60	1.294	-	-	-0.13	1.900	2.459
	LTE Band 66	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECl 6	132572	1770	1	19.55	20.60	1.274	-	-	0.01	1.820	2.318
	LTE Band 66	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	ECl 6	132322	1745	1	19.53	20.60	1.279	-	-	-0.11	1.910	2.444
	LTE Band 66 other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	132322	1745	1	19.60	20.60	1.259	-	-	-0.04	1.790	2.253
	LTE Band 66	20M	QPSK	1	0	-	Front	17mm	Ant 4	ECl 4	132572	1770	1	21.63	23.00	1.371	-	-	-0.12	0.171	0.234
	LTE Band 66	20M	QPSK	1	0	-	Back	21mm	Ant 4	ECl 4	132072	1720	1	21.63	23.00	1.371	-	-	0.03	0.163	0.223
	LTE Band 66	20M	QPSK	1	0	-	Top Side	19mm	Ant 4	ECl 4	132322	1745	1	21.78	23.00	1.324	-	-	-0.04	0.232	0.307
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	349000	1745	1	22.85	24.00	1.303	-	-	-0.17	2.190	2.854
79	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	349000	1745	1	22.80	24.00	1.318	-	-	0.01	2.350	3.098
	FR1 n66	45M	QPSK	240	0	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	349000	1745	1	21.85	23.00	1.303	-	-	0.11	1.900	2.476
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	349000	1745	1	22.85	24.00	1.303	-	-	-0.05	1.880	2.450
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	349000	1745	1	22.80	24.00	1.318	-	-	-0.01	1.940	2.557
	FR1 n66	45M	QPSK	240	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	349000	1745	1	21.85	23.00	1.303	-	-	-0.14	1.560	2.033
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	349000	1745	1	22.85	24.00	1.303	-	-	-0.15	1.520	1.981
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	349000	1745	1	22.80	24.00	1.318	-	-	-0.12	1.570	2.070
	FR1 n66	45M	QPSK	240	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	349000	1745	1	21.85	23.00	1.303	-	-	-0.17	1.450	1.890
	FR1 n66 other PA	45M	QPSK	120	60	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	349000	1745	1	22.80	24.00	1.318	-	-	0.01	2.180	2.874
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 4	ECl 6	349000	1745	1	20.98	21.80	1.208	-	-	0.05	1.320	1.594
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Front	0mm	Ant 4	ECl 6	349000	1745	1	20.97	21.80	1.211	-	-	0.08	1.310	1.586
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 4	ECl 6	349000	1745	1	20.98	21.80	1.208	-	-	-0.03	1.700	2.053
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Back	0mm	Ant 4	ECl 6	349000	1745	1	20.97	21.80	1.211	-	-	-0.04	1.660	2.010
	FR1 n66	45M	QPSK	240	0	DFT-SCS-15KHz	Back	0mm	Ant 4	ECl 6	349000	1745	1	20.95	21.80	1.216	-	-	-0.09	1.310	1.593
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	349000	1745	1	20.98	21.80	1.208	-	-	-0.08	2.020	2.440
	FR1 n66	45M	QPSK	120	60	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	349000	1745	1	20.97	21.80	1.211	-	-	0.18	1.970	2.385
	FR1 n66	45M	QPSK	240	0	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	349000	1745	1	20.95	21.80	1.216	-	-	0.11	1.540	1.873
	FR1 n66 other PA	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	349000	1745	1	20.98	21.80	1.208	-	-	-0.08	1.890	2.283
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Front	17mm	Ant 4	ECl 4	349000	1745	1	22.51	24.00	1.409	-	-	0.05	0.160	0.225
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Back	21mm	Ant 4	ECl 4	349000	1745	1	22.51	24.00	1.409	-	-	-0.03	0.152	0.214
	FR1 n66	45M	QPSK	1	1	DFT-SCS-15KHz	Top Side	19mm	Ant 4	ECl 4	349000	1745	1	22.51	24.00	1.409	-	-	-0.08	0.201	0.283
	1900MHz																				
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 1	ECl 6	661	1880	1	25.22	26.50	1.343	-	-	-0.15	2.010	2.699
80	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 1	ECl 6	512	1850.2	1	25.16	26.50	1.361	-	-	0.01	2.180	2.968



	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Front	0mm	Ant 1	ECl 6	810	1909.8	1	25.18	26.50	1.355	-	-	-0.12	2.040	2.765
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 1	ECl 6	661	1880	1	25.22	26.50	1.343	-	-	-0.16	1.750	2.350
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 1	ECl 6	512	1850.2	1	25.16	26.50	1.361	-	-	-0.03	1.960	2.668
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 1	ECl 6	810	1909.8	1	25.18	26.50	1.355	-	-	0.17	1.710	2.317
	GSM1900	-	-	-	-	GPRS (4 Tx slots)	Bottom Side	0mm	Ant 1	ECl 6	661	1880	1	25.22	26.50	1.343	-	-	0.02	1.170	1.571
81	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	9400	1880	1	21.54	22.70	1.306	-	-	0.01	2.420	3.161
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	9262	1852.4	1	21.47	22.70	1.327	-	-	0.06	2.260	3.000
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	9538	1907.6	1	21.51	22.70	1.315	-	-	-0.02	2.310	3.038
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECl 6	9400	1880	1	21.54	22.70	1.306	-	-	0.07	1.990	2.599
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECl 6	9262	1852.4	1	21.47	22.70	1.327	-	-	-0.17	1.970	2.615
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant 1	ECl 6	9538	1907.6	1	21.51	22.70	1.315	-	-	0.1	1.890	2.486
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant 1	ECl 6	9400	1880	1	21.54	22.70	1.306	-	-	0.08	1.280	1.672
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	7mm	Ant 1	ECl 4	9400	1880	1	22.63	24.00	1.371	-	-	0.01	0.517	0.709
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	6mm	Ant 1	ECl 4	9262	1852.4	1	22.56	24.00	1.393	-	-	-0.17	0.574	0.800
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	12mm	Ant 1	ECl 4	9400	1880	1	22.63	24.00	1.371	-	-	0.08	0.366	0.502
82	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	1	21.38	22.60	1.324	-	-	-0.15	2.390	3.165
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	2	21.38	22.60	1.324	-	-	0.02	2.110	2.794
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26140	1860	1	21.27	22.60	1.358	-	-	0.03	2.310	3.138
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	26590	1905	1	21.23	22.60	1.371	-	-	-0.04	2.280	3.126
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	1	21.36	22.60	1.330	-	-	-0.15	1.920	2.554
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECl 6	26140	1860	1	21.25	22.60	1.365	-	-	-0.09	1.930	2.634
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECl 6	26590	1905	1	21.22	22.60	1.374	-	-	0.05	1.850	2.542
	LTE Band 25	20M	QPSK	100	0	-	Front	0mm	Ant 1	ECl 6	26340	1880	1	21.32	22.60	1.343	-	-	0.13	1.930	2.592
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	26340	1880	1	21.38	22.60	1.324	-	-	0.16	2.020	2.675
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	26140	1860	1	21.27	22.60	1.358	-	-	-0.12	2.130	2.893
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECl 6	26590	1905	1	21.23	22.60	1.371	-	-	0.15	1.950	2.673
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECl 6	26340	1880	1	21.36	22.60	1.330	-	-	-0.05	1.630	2.169
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECl 6	26140	1860	1	21.25	22.60	1.365	-	-	-0.07	1.710	2.333
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECl 6	26590	1905	1	21.22	22.60	1.374	-	-	0.1	1.510	2.075
	LTE Band 25	20M	QPSK	100	0	-	Back	0mm	Ant 1	ECl 6	26340	1880	1	21.32	22.60	1.343	-	-	-0.11	1.630	2.189
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	26340	1880	1	21.38	22.60	1.324	-	-	-0.02	1.760	2.331
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	26140	1860	1	21.27	22.60	1.358	-	-	-0.1	1.750	2.377
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECl 6	26590	1905	1	21.23	22.60	1.371	-	-	0.14	1.630	2.235
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	26340	1880	1	21.36	22.60	1.330	-	-	0.04	1.540	2.049
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	26140	1860	1	21.25	22.60	1.365	-	-	-0.05	1.550	2.115
	LTE Band 25	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECl 6	26590	1905	1	21.22	22.60	1.374	-	-	-0.04	1.570	2.157
	LTE Band 25	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	ECl 6	26340	1880	1	21.32	22.60	1.343	-	-	0.14	1.500	2.014
	LTE Band 2 other PA	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECl 6	18900	1880	1	21.28	22.60	1.355	-	-	-0.15	2.160	2.927
	LTE Band 25	20M	QPSK	1	0	-	Front	7mm	Ant 1	ECl 4	26340	1880	1	22.33	24.00	1.469	-	-	-0.15	0.535	0.786
	LTE Band 25	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECl 4	26140	1860	1	22.30	24.00	1.479	-	-	-0.12	0.712	1.053
	LTE Band 25	20M	QPSK	1	0	-	Bottom Side	12mm	Ant 1	ECl 4	26140	1860	1	22.30	24.00	1.479	-	-	-0.1	0.441	0.652
	LTE Band 25	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECl 6	26340	1880	1	17.94	19.00	1.276	-	-	-0.15	0.861	1.099
	LTE Band 25	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECl 6	26340	1880	1	17.92	19.00	1.282	-	-	0.04	0.677	0.868
	LTE Band 25	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECl 6	26340	1880	1	17.94	19.00	1.276	-	-	0.03	1.520	1.940
	LTE Band 25	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECl 6	26340	1880	1	17.92	19.00	1.282	-	-	-0.16	1.210	1.552
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	26340	1880	1	17.94	19.00	1.276	-	-	-0.05	1.840	2.349
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	26140	1860	1	17.84	19.00	1.306	-	-	-0.16	1.900	2.482
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	26140	1860	2	17.84	19.00	1.306	-	-	0.02	1.770	2.312
	LTE Band 25	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	26590	1905	1	17.87	19.00	1.297	-	-	-0.04	1.820	2.361
	LTE Band 25	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECl 6	26340	1880	1	17.92	19.00	1.282	-	-	0.01	1.470	1.885
	LTE Band 25	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	ECl 6	26340	1880	1	17.91	19.00	1.285	-	-	-0.11	1.460	1.877
	LTE Band 2 other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECl 6	18700	1860	1	17.74	19.00	1.337	-	-	-0.16	1.790	2.393
	LTE Band 25	20M	QPSK	1	0	-	Front	17mm	Ant 4	ECl 4	26340	1880	1	21.53	23.00	1.403	-	-	-0.15	0.155	0.217
	LTE Band 25	20M	QPSK	1	0	-	Back	21mm	Ant 4	ECl 4	26340	1880	1	21.53	23.00	1.403	-	-	0.03	0.168	0.236
	LTE Band 25	20M	QPSK	1	0	-	Top Side	19mm	Ant 4	ECl 4	26140	1860	1	21.39	23.00	1.449	-	-	-0.16	0.270	0.391



	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	22.78	24.00	1.324	-	-	-0.04	2.350	3.112
83	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	22.77	24.00	1.327	-	-	0.11	2.380	3.159
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	21.80	23.00	1.318	-	-	-0.12	1.990	2.623
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	22.78	24.00	1.324	-	-	-0.07	1.910	2.529
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	22.77	24.00	1.327	-	-	-0.03	1.810	2.403
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECI 6	376000	1880	1	21.80	23.00	1.318	-	-	-0.13	1.680	2.215
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	376000	1880	1	22.78	24.00	1.324	-	-	0.05	1.560	2.066
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	376000	1880	1	22.77	24.00	1.327	-	-	-0.15	1.500	1.991
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECI 6	376000	1880	1	21.80	23.00	1.318	-	-	-0.11	1.400	1.846
	FR1 n2 other PA	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant 1	ECI 6	376000	1880	1	22.77	24.00	1.327	-	-	0.11	2.160	2.867
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	376000	1880	1	19.62	20.60	1.253	-	-	-0.12	1.550	1.942
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant 4	ECI 6	376000	1880	1	19.59	20.60	1.262	-	-	-0.15	1.460	1.842
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376000	1880	1	19.62	20.60	1.253	-	-	0.08	1.950	2.444
	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376000	1880	1	19.59	20.60	1.262	-	-	-0.13	1.850	2.334
	FR1 n2	40M	QPSK	216	0	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376000	1880	1	19.57	20.60	1.268	-	-	-0.05	1.690	2.142
	FR1 n2 other PA	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECI 6	376000	1880	1	19.62	20.60	1.253	-	-	0.08	1.830	2.293
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Back	21mm	Ant 4	ECI 4	376000	1880	1	22.18	24.00	1.521	-	-	-0.12	0.118	0.179
	FR1 n2	40M	QPSK	1	1	DFT-SCS-15KHz	Top Side	19mm	Ant 4	ECI 4	376000	1880	1	22.18	24.00	1.521	-	-	0.08	0.199	0.303
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	21100	2535	1	21.16	22.10	1.242	-	-	-0.17	2.080	2.583
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	20850	2510	1	21.15	22.10	1.245	-	-	0.02	1.970	2.452
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 1	ECI 6	21350	2560	1	21.08	22.10	1.265	-	-	-0.11	2.140	2.707
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 1	ECI 6	21100	2535	1	21.12	22.10	1.253	-	-	0.18	1.550	1.942
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant 1	ECI 6	21100	2535	1	21.10	22.10	1.259	-	-	0.13	1.550	1.951
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	1	21.16	22.10	1.242	-	-	-0.03	1.620	2.011
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	20850	2510	1	21.15	22.10	1.245	-	-	0.12	1.650	2.053
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 1	ECI 6	21350	2560	1	21.08	22.10	1.265	-	-	0.19	1.720	2.175
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	1	21.12	22.10	1.253	-	-	-0.09	1.300	1.629
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant 1	ECI 6	21100	2535	1	21.10	22.10	1.259	-	-	-0.18	1.310	1.649
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	1	21.16	22.10	1.242	-	-	-0.06	2.310	2.868
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	20850	2510	1	21.15	22.10	1.245	-	-	0.07	2.220	2.763
84	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21350	2560	1	21.08	22.10	1.265	-	-	0.09	2.500	3.162
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	1	21.12	22.10	1.253	-	-	-0.15	1.740	2.180
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	20850	2510	1	21.11	22.10	1.256	-	-	-0.15	1.660	2.085
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant 1	ECI 6	21350	2560	1	21.04	22.10	1.276	-	-	-0.08	1.940	2.476
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant 1	ECI 6	21100	2535	1	21.10	22.10	1.259	-	-	-0.04	1.760	2.216
	LTE Band 7 other PA	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21350	2560	1	21.08	22.10	1.265	-	-	0.09	2.350	2.972
	LTE Band 7C	20M	QPSK	1	0	-	Bottom Side	0mm	Ant 1	ECI 6	21350+21152	2560+2540.2	1	20.98	22.10	1.294	-	-	0.09	2.310	2.990
	LTE Band 7	20M	QPSK	1	0	-	Front	7mm	Ant 1	ECI 4	21350	2560	1	22.20	24.00	1.514	-	-	-0.11	0.550	0.832
	LTE Band 7	20M	QPSK	1	0	-	Back	6mm	Ant 1	ECI 4	21350	2560	1	22.20	24.00	1.514	-	-	0.19	0.494	0.748
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	12mm	Ant 1	ECI 4	21350	2560	1	22.20	24.00	1.514	-	-	0.09	0.374	0.566
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant 4	ECI 6	21100	2535	1	17.92	18.60	1.169	-	-	0.15	0.667	0.780
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant 4	ECI 6	21100	2535	1	17.89	18.60	1.178	-	-	-0.18	0.523	0.616
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant 4	ECI 6	21100	2535	1	17.92	18.60	1.169	-	-	-0.08	1.340	1.567
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant 4	ECI 6	21100	2535	1	17.89	18.60	1.178	-	-	0.03	1.070	1.260
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	21100	2535	1	17.92	18.60	1.169	-	-	0.11	1.980	2.316
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	20850	2510	1	17.76	18.60	1.213	-	-	-0.09	2.010	2.439
	LTE Band 7	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	21350	2560	1	17.82	18.60	1.197	-	-	0.14	1.890	2.262
	LTE Band 7	20M	QPSK	50	0	-	Top Side	0mm	Ant 4	ECI 6	21100	2535	1	17.89	18.60	1.178	-	-	-0.15	1.560	1.837
	LTE Band 7	20M	QPSK	100	0	-	Top Side	0mm	Ant 4	ECI 6	21100	2535	1	17.80	18.60	1.202	-	-	-0.16	1.590	1.912
	LTE Band 7 other PA	20M	QPSK	1	0	-	Top Side	0mm	Ant 4	ECI 6	20850	2510	1	17.76	18.60	1.213	-	-	-0.09	1.890	2.293
	LTE Band 7C	20M	QPSK	1	99	-	Top Side	0mm	Ant 4	ECI 6	20850+21048	2510+2529.8	1	17.61	18.60	1.256	-	-	-0.09	1.910	2.399
	LTE Band 7	20M	QPSK	1	0	-	Front	17mm	Ant 4	ECI 4	21100	2535	1	21.62	23.00	1.374	-	-	0.15	0.098	0.135
	LTE Band 7	20M	QPSK	1	0	-	Back	21mm	Ant 4	ECI 4	21100	2535	1	21.62	23.00	1.374	-	-	-0.08	0.143	0.196



Table with columns for Band, Power, Modulation, etc. Row 85 is highlighted in yellow.



	LTE Band 41 HPUE	20M	QPSK	1	0	-	Top Side	19mm	Ant 4	ECl 4	39750	2506	1	24.52	26.00	1.406	42.9	1.009	0.12	0.163	0.231
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	507000	2535	1	22.12	22.90	1.197	-	-	0.06	1.870	2.238
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	507000	2535	1	22.01	22.90	1.227	-	-	0.18	2.040	2.504
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	0mm	Ant 1	ECl 6	507000	2535	1	21.65	22.90	1.334	-	-	0.1	1.800	2.400
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	507000	2535	1	22.12	22.90	1.197	-	-	-0.05	1.580	1.891
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	507000	2535	1	22.01	22.90	1.227	-	-	-0.01	1.680	2.062
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant 1	ECl 6	507000	2535	1	21.65	22.90	1.334	-	-	0.02	1.490	1.987
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	1	22.12	22.90	1.197	-	-	0.07	2.290	2.741
86	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	1	22.01	22.90	1.227	-	-	-0.04	2.570	3.155
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	1	21.65	22.90	1.334	-	-	-0.18	2.160	2.880
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	7mm	Ant 1	ECl 4	507000	2535	1	22.55	24.00	1.396	-	-	0.18	0.427	0.596
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	6mm	Ant 1	ECl 4	507000	2535	1	22.55	24.00	1.396	-	-	-0.01	0.439	0.613
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	12mm	Ant 1	ECl 4	507000	2535	1	22.55	24.00	1.396	-	-	0.1	0.295	0.412
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant 4	ECl 6	507000	2535	1	19.50	20.30	1.202	-	-	0.08	1.340	1.611
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant 4	ECl 6	507000	2535	1	19.48	20.30	1.208	-	-	0.03	1.520	1.836
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	507000	2535	1	19.50	20.30	1.202	-	-	0.03	2.040	2.453
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	507000	2535	1	19.48	20.30	1.208	-	-	-0.08	2.000	2.416
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Top Side	0mm	Ant 4	ECl 6	507000	2535	1	19.43	20.30	1.222	-	-	-0.16	1.590	1.943
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	21mm	Ant 4	ECl 4	507000	2535	1	21.94	23.00	1.276	-	-	0.03	0.117	0.149
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Top Side	19mm	Ant 4	ECl 4	507000	2535	1	21.96	23.00	1.271	-	-	0.03	0.156	0.198
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 1	ECl 6	518598	2592.99	1	21.39	22.30	1.233	-	-	0.04	2.110	2.602
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 1	ECl 6	518598	2592.99	1	21.38	22.30	1.236	-	-	-0.18	2.060	2.546
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant 1	ECl 6	518598	2592.99	1	21.32	22.30	1.253	-	-	-0.07	1.840	2.306
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 1	ECl 6	518598	2592.99	1	21.39	22.30	1.233	-	-	-0.14	1.680	2.072
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 1	ECl 6	518598	2592.99	1	21.38	22.30	1.236	-	-	-0.07	1.580	1.953
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 1	ECl 6	518598	2592.99	1	21.32	22.30	1.253	-	-	0.1	1.390	1.742
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	518598	2592.99	1	21.39	22.30	1.233	-	-	0.05	2.520	3.107
87	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	518598	2592.99	1	21.38	22.30	1.236	-	-	0.01	2.550	3.152
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant 1	ECl 6	518598	2592.99	1	21.32	22.30	1.253	-	-	0.18	2.020	2.531
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	7mm	Ant 1	ECl 4	518598	2592.99	1	22.85	24.00	1.303	-	-	0.04	0.430	0.560
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	6mm	Ant 1	ECl 4	518598	2592.99	1	22.85	24.00	1.303	-	-	-0.14	0.414	0.540
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	12mm	Ant 1	ECl 4	518598	2592.99	1	22.84	24.00	1.306	-	-	0.01	0.305	0.398
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	518598	2592.99	1	19.35	20.50	1.303	-	-	0.07	0.705	0.919
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant 4	ECl 6	518598	2592.99	1	19.34	20.50	1.306	-	-	0.1	0.727	0.950
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	518598	2592.99	1	19.35	20.50	1.303	-	-	0.02	1.510	1.968
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 4	ECl 6	518598	2592.99	1	19.34	20.50	1.306	-	-	0.01	1.350	1.763
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 6	518598	2592.99	1	19.35	20.50	1.303	-	-	0.03	1.910	2.489
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 6	518598	2592.99	1	19.34	20.50	1.306	-	-	-0.08	1.740	2.273
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant 4	ECl 6	518598	2592.99	1	19.32	20.50	1.312	-	-	-0.03	1.450	1.903
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Front	17mm	Ant 4	ECl 4	518598	2592.99	1	22.34	24.00	1.466	-	-	0.1	0.085	0.125
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	21mm	Ant 4	ECl 4	518598	2592.99	1	22.38	24.00	1.452	-	-	0.02	0.111	0.161
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Top Side	19mm	Ant 4	ECl 4	518598	2592.99	1	22.38	24.00	1.452	-	-	0.03	0.153	0.222
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 4	518598	2592.99	1	18.58	19.50	1.236	-	-	-0.09	2.010	2.484
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 4	518598	2592.99	2	18.58	19.50	1.236	-	-	0.01	1.890	2.336
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 4	518598	2592.99	1	18.43	19.50	1.279	-	-	-0.11	1.850	2.367
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant 2	ECl 4	518598	2592.99	1	18.06	19.00	1.242	-	-	-0.05	1.550	1.925
	FR1 n41	100M	QPSK	1	1	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	1	21.29	22.00	1.178	-	-	-0.17	1.770	2.084
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	1	21.25	22.00	1.189	-	-	-0.01	1.970	2.341
	FR1 n41	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	2	21.25	22.00	1.189	-	-	0.03	1.680	1.997
	FR1 n41	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant 0	ECl 6	518598	2592.99	1	20.29	21.00	1.178	-	-	0.15	1.640	1.931
3500 ~ 3900MHz																					
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	42590	3500	1	22.10	22.90	1.202	62.9	1.006	0.18	1.740	2.104
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	42190	3460	1	22.08	22.90	1.208	62.9	1.006	-0.07	1.720	2.090
	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Front	0mm	Ant 3	ECl 6	42990	3540	1	22.02	22.90	1.225	62.9	1.006	0.06	1.760	2.168
	LTE Band 42 Part 27Q	20M	QPSK	50	0	-	Front	0mm	Ant 3	ECl 6	42590	3500	1	22.08	22.90	1.208	62.9	1.006	-0.05	1.400	1.701



Table with 20 columns (Band, Power, Modulation, etc.) and multiple rows of test data. Row 88 and row 89 are highlighted in yellow.



FR1 n77 Part 270 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Right Side	0mm	Ant 9	ECl 4	656000	3840	1	21.32	22.60	1.343	-	-	0.17	1.930	2.592
FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Bottom Side	0mm	Ant 9	ECl 4	656000	3840	1	21.45	22.60	1.303	-	-	-0.05	0.728	0.949
FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant 9	ECl 4	656000	3840	1	21.44	22.60	1.306	-	-	0.01	0.721	0.942

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Sample	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)	
2450MHz																		
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+8(6)	Standalone	1	2412	1	19.31	21.00	1.476	100	1.000	0.08	0.451	0.666	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+8(6)	Standalone	1	2412	1	19.31	21.00	1.476	100	1.000	0.01	1.410	2.081	
90	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+8(6)	Standalone	11	2462	1	19.16	21.00	1.528	100	1.000	-0.14	1.440	2.200	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+8(6)	Standalone	11	2462	2	19.16	21.00	1.528	100	1.000	0.02	1.200	1.833	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 6+8(6)	WWAN+non DBS	1	2412	1	16.38	18.00	1.452	100	1.000	0.03	0.208	0.302	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	0mm	Ant 6+8(6)	WWAN+non DBS	1	2412	1	16.38	18.00	1.452	100	1.000	0.18	0.666	0.967	
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 6+8(6)	Full power	1	2412	1	19.31	21.00	1.476	100	1.000	0.08	0.122	0.180	
	WLAN2.4GHz	802.11b 1Mbps	Right Side	11mm	Ant 6+8(6)	Full power	1	2412	1	19.31	21.00	1.476	100	1.000	0.01	0.106	0.156	
5000MHz																		
	WLAN5.2GHz	802.11n-HT20 MCS0	Front	0mm	Ant 5+7(7)	Standalone	48	5240	1	16.85	18.50	1.462	97.01	1.031	-0.08	0.785	1.183	
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5+7(7)	Standalone	48	5240	1	16.85	18.50	1.462	97.01	1.031	-0.08	0.415	0.626	
	WLAN5.2GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+7(7)	Standalone	48	5240	1	16.85	18.50	1.462	97.01	1.031	0.01	1.090	1.643	
91	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	48	5240	1	16.85	18.50	1.462	97.01	1.031	0.1	2.030	3.060	
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	48	5240	2	16.85	18.50	1.462	97.01	1.031	0.06	1.820	2.744	
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	36	5180	1	13.29	15.00	1.483	97.01	1.031	0.08	0.811	1.240	
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	40	5200	1	17.04	19.00	1.570	97.01	1.031	0.01	1.810	2.930	
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	44	5220	1	17.29	19.00	1.483	97.01	1.031	0.03	1.850	2.828	
	WLAN5.2GHz	802.11ac-VHT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	48	5240	1	16.94	18.50	1.432	96.45	1.037	0.06	1.960	2.911	
	WLAN5.2GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(7)	WWAN+non DBS	46	5230	1	13.02	14.50	1.406	93.75	1.067	-0.1	0.246	0.369	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(7)	WWAN+non DBS	46	5230	1	13.02	14.50	1.406	93.75	1.067	0.01	0.130	0.195	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(7)	WWAN+non DBS	46	5230	1	13.02	14.50	1.406	93.75	1.067	-0.15	0.341	0.512	
	WLAN5.2GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(7)	WWAN+non DBS	46	5230	1	13.02	14.50	1.406	93.75	1.067	0.19	0.635	0.953	
	WLAN5.2GHz	802.11n-HT20 MCS0	Front	7mm	Ant 5+7(7)	Full power	48	5240	1	16.85	18.50	1.462	97.01	1.031	-0.1	0.209	0.315	
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	10mm	Ant 5+7(7)	Full power	48	5240	1	16.85	18.50	1.462	97.01	1.031	0.01	0.150	0.226	
	WLAN5.2GHz	802.11n-HT20 MCS0	Right Side	11mm	Ant 5+7(7)	Full power	48	5240	1	16.85	18.50	1.462	97.01	1.031	-0.15	0.298	0.449	
	WLAN5.2GHz	802.11n-HT20 MCS0	Top Side	7mm	Ant 5+7(7)	Full power	48	5240	1	16.85	18.50	1.462	97.01	1.031	0.19	0.315	0.475	
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	0mm	Ant 7	DBS only	40	5200	1	17.04	19.00	1.570	97.01	1.031	-0.17	0.434	0.703	
	WLAN5.2GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 7	DBS only	40	5200	1	17.04	19.00	1.570	97.01	1.031	-0.03	1.220	1.975	
	WLAN5.2GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7	WWAN+DBS	46	5230	1	11.89	13.50	1.449	93.75	1.067	0.14	0.090	0.139	
	WLAN5.2GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7	WWAN+DBS	46	5230	1	11.89	13.50	1.449	93.75	1.067	0.11	0.294	0.454	
	WLAN5.2GHz	802.11n-HT20 MCS0	Back	10mm	Ant 7	Full power	40	5200	1	17.04	19.00	1.570	97.01	1.031	0.14	0.115	0.186	
	WLAN5.2GHz	802.11n-HT20 MCS0	Right Side	11mm	Ant 7	Full power	40	5200	1	17.04	19.00	1.570	97.01	1.031	0.11	0.240	0.389	
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	0mm	Ant 5+7(5)	Standalone	60	5300	1	17.85	19.50	1.462	97.01	1.031	-0.04	1.090	1.643	
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	0mm	Ant 5+7(5)	Standalone	60	5300	1	17.85	19.50	1.462	97.01	1.031	-0.08	0.720	1.085	
	WLAN5.3GHz	802.11n-HT20 MCS0	Left Side	0mm	Ant 5+7(5)	Standalone	60	5300	1	17.85	19.50	1.462	97.01	1.031	0.17	0.177	0.267	
	WLAN5.3GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	60	5300	1	17.85	19.50	1.462	97.01	1.031	0.18	1.950	2.940	
	WLAN5.3GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	52	5260	1	17.21	19.00	1.510	97.01	1.031	-0.04	1.810	2.818	
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	60	5300	1	17.85	19.50	1.462	97.01	1.031	-0.08	2.010	3.030	
92	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	52	5260	1	17.21	19.00	1.510	97.01	1.031	0.1	2.020	3.145	
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	52	5260	2	17.21	19.00	1.510	97.01	1.031	0.06	1.910	2.974	
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	56	5280	1	17.26	19.00	1.493	97.01	1.031	-0.08	1.950	3.001	
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	64	5320	1	15.76	17.50	1.493	97.01	1.031	-0.01	1.460	2.247	
	WLAN5.3GHz	802.11ac-VHT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	60	5300	1	17.91	19.50	1.442	96.45	1.037	0.06	1.950	2.916	
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	1	12.99	14.50	1.416	93.75	1.067	-0.13	0.337	0.509	
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	1	12.99	14.50	1.416	93.75	1.067	0.01	0.222	0.335	
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	1	12.99	14.50	1.416	93.75	1.067	0.06	0.055	0.083	
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	1	12.99	14.50	1.416	93.75	1.067	-0.03	0.615	0.929	



	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5+7(5)	WWAN+non DBS	54	5270	1	12.99	14.50	1.416	93.75	1.067	-0.01	0.645	0.974
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	7mm	Ant 5+7(5)	Full power	60	5300	1	17.85	19.50	1.462	97.01	1.031	-0.1	0.265	0.399
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	10mm	Ant 5+7(5)	Full power	60	5300	1	17.85	19.50	1.462	97.01	1.031	0.01	0.216	0.326
	WLAN5.3GHz	802.11n-HT20 MCS0	Right Side	11mm	Ant 5+7(5)	Full power	60	5300	1	17.85	19.50	1.462	97.01	1.031	-0.15	0.391	0.589
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	7mm	Ant 5+7(5)	Full power	60	5300	1	17.85	19.50	1.462	97.01	1.031	0.19	0.345	0.520
	WLAN5.3GHz	802.11n-HT40 MCS0	Front	0mm	Ant 7	DBS only	54	5270	1	16.19	17.50	1.352	93.75	1.067	-0.05	0.753	1.086
	WLAN5.3GHz	802.11n-HT40 MCS0	Back	0mm	Ant 7	DBS only	54	5270	1	16.19	17.50	1.352	93.75	1.067	0.18	0.359	0.518
	WLAN5.3GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 7	DBS only	54	5270	1	16.19	17.50	1.352	93.75	1.067	0.14	0.008	0.012
	WLAN5.3GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 7	DBS only	54	5270	1	16.19	17.50	1.352	93.75	1.067	0.03	1.200	1.731
	WLAN5.3GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 7	DBS only	54	5270	1	16.19	17.50	1.352	93.75	1.067	0.17	0.186	0.268
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7	WWAN+DBS	58	5290	1	10.10	11.50	1.380	87.32	1.145	-0.05	0.190	0.300
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	WWAN+DBS	58	5290	1	10.10	11.50	1.380	87.32	1.145	0.01	0.090	0.142
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7	WWAN+DBS	58	5290	1	10.10	11.50	1.380	87.32	1.145	0.1	0.002	0.003
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	WWAN+DBS	58	5290	1	10.10	11.50	1.380	87.32	1.145	-0.17	0.302	0.477
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7	WWAN+DBS	58	5290	1	10.10	11.50	1.380	87.32	1.145	0.04	0.047	0.074
	WLAN5.3GHz	802.11n-HT20 MCS0	Front	7mm	Ant 7	Full power	60	5300	1	17.89	19.50	1.449	97.01	1.031	-0.1	0.236	0.353
	WLAN5.3GHz	802.11n-HT20 MCS0	Back	10mm	Ant 7	Full power	60	5300	1	17.89	19.50	1.449	97.01	1.031	0.01	0.172	0.257
	WLAN5.3GHz	802.11n-HT20 MCS0	Right Side	11mm	Ant 7	Full power	60	5300	1	17.89	19.50	1.449	97.01	1.031	-0.15	0.386	0.577
	WLAN5.3GHz	802.11n-HT20 MCS0	Top Side	7mm	Ant 7	Full power	60	5300	1	17.89	19.50	1.449	97.01	1.031	0.19	0.127	0.190
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 5+7(7)	Standalone	124	5620	1	17.11	19.00	1.545	96.86	1.032	-0.08	0.911	1.453
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 5+7(7)	Standalone	124	5620	1	17.11	19.00	1.545	96.86	1.032	0.05	0.637	1.016
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 5+7(7)	Standalone	124	5620	1	17.11	19.00	1.545	96.86	1.032	0.06	0.137	0.218
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(7)	Standalone	124	5620	1	17.11	19.00	1.545	96.86	1.032	-0.09	1.950	3.110
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(7)	Standalone	100	5500	1	15.66	17.50	1.528	96.86	1.032	-0.08	2.000	3.153
93	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	116	5580	1	16.82	18.50	1.472	96.86	1.032	-0.15	2.090	3.176
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	116	5580	2	16.82	18.50	1.472	96.86	1.032	0.02	1.870	2.841
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	132	5660	1	16.71	18.50	1.510	96.86	1.032	0.08	2.000	3.117
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	140	5700	1	14.85	16.50	1.462	96.86	1.032	0.01	1.920	2.897
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	144	5720	1	16.89	18.50	1.449	96.86	1.032	0.03	2.010	3.005
	WLAN5.5GHz	802.11n-HT20 MCS0	Right Side	0mm	Ant 5+7(5)	Standalone	144	5720	1	16.98	18.50	1.419	97.01	1.031	0.02	1.980	2.897
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+7(7)	Standalone	124	5620	1	17.11	19.00	1.545	96.86	1.032	0.13	1.790	2.855
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+7(5)	Standalone	116	5580	1	16.82	18.50	1.472	96.86	1.032	0.12	1.400	2.127
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	11.90	13.50	1.445	87.32	1.145	0.18	0.256	0.424
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	11.90	13.50	1.445	87.32	1.145	0.16	0.179	0.296
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	11.90	13.50	1.445	87.32	1.145	-0.1	0.039	0.065
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	11.90	13.50	1.445	87.32	1.145	0.07	0.588	0.973
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	WWAN+non DBS	138	5690	1	11.90	13.50	1.445	87.32	1.145	0.18	0.504	0.834
	WLAN5.5GHz	802.11n-HT20 MCS0	Front	7mm	Ant 5+7(5)	Full power	144	5720	1	17.80	19.50	1.479	97.01	1.031	-0.1	0.231	0.352
	WLAN5.5GHz	802.11n-HT20 MCS0	Back	10mm	Ant 5+7(5)	Full power	144	5720	1	17.80	19.50	1.479	97.01	1.031	0.01	0.259	0.395
	WLAN5.5GHz	802.11n-HT20 MCS0	Right Side	11mm	Ant 5+7(5)	Full power	144	5720	1	17.80	19.50	1.479	97.01	1.031	-0.15	0.550	0.839
	WLAN5.5GHz	802.11n-HT20 MCS0	Top Side	7mm	Ant 5+7(5)	Full power	144	5720	1	17.80	19.50	1.479	97.01	1.031	0.19	0.317	0.483
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7	DBS only	138	5690	1	15.20	16.50	1.349	87.32	1.145	-0.01	0.562	0.868
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	DBS only	138	5690	1	15.20	16.50	1.349	87.32	1.145	-0.08	0.337	0.521
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7	DBS only	138	5690	1	15.20	16.50	1.349	87.32	1.145	0.05	0.006	0.009
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	DBS only	138	5690	1	15.20	16.50	1.349	87.32	1.145	-0.08	1.250	1.931
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7	DBS only	138	5690	1	15.20	16.50	1.349	87.32	1.145	-0.09	0.180	0.278
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 7	WWAN+DBS	138	5690	1	9.18	10.50	1.355	87.32	1.145	0.12	0.142	0.220
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	WWAN+DBS	138	5690	1	9.18	10.50	1.355	87.32	1.145	0.03	0.085	0.132
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 7	WWAN+DBS	138	5690	1	9.18	10.50	1.355	87.32	1.145	0.18	0.002	0.003
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	WWAN+DBS	138	5690	1	9.18	10.50	1.355	87.32	1.145	0.16	0.316	0.490
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 7	WWAN+DBS	138	5690	1	9.18	10.50	1.355	87.32	1.145	-0.1	0.045	0.070
	WLAN5.5GHz	802.11n-HT20 MCS0	Front	7mm	Ant 7	Full power	144	5720	1	18.00	19.50	1.413	97.01	1.031	-0.1	0.187	0.272
	WLAN5.5GHz	802.11n-HT20 MCS0	Back	10mm	Ant 7	Full power	144	5720	1	18.00	19.50	1.413	97.01	1.031	0.01	0.235	0.342
	WLAN5.5GHz	802.11n-HT20 MCS0	Right Side	11mm	Ant 7	Full power	144	5720	1	18.00	19.50	1.413	97.01	1.031	-0.15	0.506	0.737
	WLAN5.5GHz	802.11n-HT20 MCS0	Top Side	7mm	Ant 7	Full power	144	5720	1	18.00	19.50	1.413	97.01	1.031	0.19	0.160	0.233



	WLAN5.8GHz	802.11a 6Mbps	Front	0mm	Ant 5+7(5)	Standalone	149	5745	1	16.82	18.50	1.472	96.86	1.032	0.08	1.020	1.550
	WLAN5.8GHz	802.11a 6Mbps	Back	0mm	Ant 5+7(5)	Standalone	149	5745	1	16.82	18.50	1.472	96.86	1.032	-0.08	0.663	1.007
94	WLAN5.8GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	149	5745	1	16.82	18.50	1.472	96.86	1.032	-0.05	1.950	2.963
	WLAN5.8GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	149	5745	2	16.82	18.50	1.472	96.86	1.032	0.06	1.790	2.720
	WLAN5.8GHz	802.11a 6Mbps	Right Side	0mm	Ant 5+7(7)	Standalone	165	5825	1	16.69	18.50	1.517	96.86	1.032	0.1	1.880	2.943
	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 5+7(5)	Standalone	149	5745	1	16.82	18.50	1.472	96.86	1.032	-0.18	1.190	1.808
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	1	11.92	13.50	1.439	87.32	1.145	0.17	0.300	0.494
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	1	11.92	13.50	1.439	87.32	1.145	-0.05	0.195	0.321
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	1	11.92	13.50	1.439	87.32	1.145	0.01	0.572	0.942
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5+7(5)	WWAN+non DBS	155	5775	1	11.92	13.50	1.439	87.32	1.145	0.1	0.349	0.575
	WLAN5.8GHz	802.11a 6Mbps	Front	7mm	Ant 5+7(5)	Full power	149	5745	1	17.85	19.50	1.462	96.86	1.032	-0.1	0.255	0.385
	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant 5+7(5)	Full power	149	5745	1	17.85	19.50	1.462	96.86	1.032	0.01	0.262	0.395
	WLAN5.8GHz	802.11a 6Mbps	Right Side	11mm	Ant 5+7(5)	Full power	149	5745	1	17.85	19.50	1.462	96.86	1.032	-0.15	0.569	0.859
	WLAN5.8GHz	802.11a 6Mbps	Top Side	7mm	Ant 5+7(5)	Full power	149	5745	1	17.85	19.50	1.462	96.86	1.032	0.19	0.331	0.499
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	DBS only	155	5775	1	15.08	16.50	1.387	87.32	1.145	0.19	0.342	0.543
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	DBS only	155	5775	1	15.08	16.50	1.387	87.32	1.145	0.07	1.210	1.921
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 7	WWAN+DBS	155	5775	1	9.10	10.50	1.380	87.32	1.145	-0.18	0.086	0.136
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 7	WWAN+DBS	155	5775	1	9.10	10.50	1.380	87.32	1.145	0.03	0.305	0.482
	WLAN5.8GHz	802.11a 6Mbps	Back	10mm	Ant 7	Full power	149	5745	1	18.09	19.50	1.384	96.86	1.032	0.14	0.224	0.320
	WLAN5.8GHz	802.11a 6Mbps	Right Side	11mm	Ant 7	Full power	149	5745	1	18.09	19.50	1.384	96.86	1.032	0.11	0.546	0.780



16.5 Repeated SAR Measurement

<1g>

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)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 9	ECl 7	656000	3840	17.98	18.70	1.180	-	-	0.05	1.080	1	1.275
2nd	FR1 n77 Part 270 HPUE	100M	QPSK	1	1	DFT-SCS-30KHz	Right Side	5mm	Ant 9	ECl 7	656000	3840	17.98	18.70	1.180	-	-	0.02	1.050	1.029	1.239
1st	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 3	23230	782	22.52	24.00	1.406	-	-	-0.05	0.887	1	1.247
2nd	LTE Band 13	10M	QPSK	1	0	-	Back	5mm	Ant 0	ECl 3	23230	782	22.52	24.00	1.406	-	-	0.06	0.875	1.014	1.230
1st	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECl 3	189	836.4	26.83	28.10	1.340	-	-	-0.04	0.962	1	1.289
2nd	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	5mm	Ant 0	ECl 3	189	836.4	26.83	28.10	1.340	-	-	0.02	0.955	1.007	1.279
1st	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECl 3	132572	1770	21.48	22.20	1.180	-	-	-0.17	1.080	1	1.275
2nd	LTE Band 66	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECl 3	132572	1770	21.48	22.20	1.180	-	-	0.03	1.030	1.049	1.216
1st	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	ECl 3	376000	1880	22.30	23.30	1.259	-	-	-0.09	1.020	1	1.284
2nd	FR1 n2	40M	QPSK	108	54	DFT-SCS-15KHz	Front	5mm	Ant 1	ECl 3	376000	1880	22.30	23.30	1.259	-	-	0.02	1.000	1.020	1.259
1st	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECl 3	21350	2560	20.62	21.60	1.253	-	-	-0.07	1.030	1	1.291
2nd	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant 1	ECl 3	21350	2560	20.62	21.60	1.253	-	-	0.03	1.010	1.020	1.266

<10g>

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 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECl 6	128	824.2	27.79	29.00	1.321	-	-	0.01	2.280	1	3.013
2nd	GSM850	-	-	-	-	GPRS (4 Tx slots)	Back	0mm	Ant 0	ECl 6	128	824.2	27.79	29.00	1.321	-	-	0.06	2.240	1.018	2.960
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	1413	1732.6	21.46	22.30	1.213	-	-	0.03	2.600	1	3.155
2nd	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	1413	1732.6	21.46	22.30	1.213	-	-	0.01	2.580	1.008	3.131
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	9400	1880	21.54	22.70	1.306	-	-	0.01	2.420	1	3.161
2nd	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant 1	ECl 6	9400	1880	21.54	22.70	1.306	-	-	0.03	2.390	1.013	3.122
1st	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	22.01	22.90	1.227	-	-	-0.04	2.570	1	3.155
2nd	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant 1	ECl 6	507000	2535	22.01	22.90	1.227	-	-	0.01	2.540	1.012	3.118
1st	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Left Side	0mm	Ant 3	ECl 6	42990	3540	22.02	22.90	1.225	62.9	1.006	0.05	2.010	1	2.476
2nd	LTE Band 42 Part 27Q	20M	QPSK	1	0	-	Left Side	0mm	Ant 3	ECl 6	42990	3540	22.02	22.90	1.225	62.9	1.006	0.01	1.980	1.015	2.439
1st	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 9	ECl 4	656000	3840	21.44	22.60	1.306	-	-	0.07	2.430	1	3.174
2nd	FR1 n77 Part 270 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant 9	ECl 4	656000	3840	21.44	22.60	1.306	-	-	0.01	2.400	1.013	3.135
1st	WLAN5.2GHz	-	-	-	-	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	48	5240	16.85	18.50	1.462	97.01	1.031	0.1	2.030	1	3.060
2nd	WLAN5.2GHz	-	-	-	-	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(7)	Standalone	48	5240	16.85	18.50	1.462	97.01	1.031	0.03	2.000	1.015	3.015
1st	WLAN5.3GHz	-	-	-	-	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	52	5260	17.21	19.00	1.510	97.01	1.031	0.1	2.020	1	3.145
2nd	WLAN5.3GHz	-	-	-	-	802.11n-HT20 MCS0	Top Side	0mm	Ant 5+7(5)	Standalone	52	5260	17.21	19.00	1.510	97.01	1.031	0.03	1.990	1.015	3.098
1st	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	116	5580	16.82	18.50	1.472	96.86	1.032	-0.15	2.090	1	3.176
2nd	WLAN5.5GHz	-	-	-	-	802.11a 6Mbps	Right Side	0mm	Ant 5+7(5)	Standalone	116	5580	16.82	18.50	1.472	96.86	1.032	0.03	2.060	1.015	3.130

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
- 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.

16.6 TDD LTE Linearity Data Analysis

General Note:

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg for 1g and < 3.5 W/kg for 10g, Separate SAR testing for Power Class 2 is not required.

LTE B41-Linearity Data for Head Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.146	0.184
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.199	
% deviation from expected linearity		-7.66%
LTE B41-Linearity Data for Body-worn Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.80	24.40
Reported 1g SAR (W/kg)	1.287	1.173
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	120.62	119.26
Linearity SAR (W/kg)	1.273	
% deviation from expected linearity		-7.82%
LTE B41-Linearity Data for Hotspot Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	21.70	23.30
Reported 1g SAR (W/kg)	1.294	1.262
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	93.63	92.57
Linearity SAR (W/kg)	1.279	
% deviation from expected linearity		-1.36%
LTE B41-Linearity Data for Extremity Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	22.30	23.90
Reported 10g SAR (W/kg)	3.172	2.985
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	107.50	106.29
Linearity SAR (W/kg)	3.136	
% deviation from expected linearity		-4.82%

LTE B41-Linearity Data for Head Ant 4		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	19.70	21.30
Reported 1g SAR (W/kg)	0.891	0.863
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	59.07	58.41
Linearity SAR (W/kg)	0.881	
% deviation from expected linearity		-2.04%
LTE B41-Linearity Data for Body-worn Ant 4		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	19.30	20.90
Reported 1g SAR (W/kg)	0.898	0.826
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	53.88	53.27
Linearity SAR (W/kg)	0.888	
% deviation from expected linearity		-6.97%
LTE B41-Linearity Data for Hotspot Ant 4		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	18.00	19.60
Reported 1g SAR (W/kg)	0.630	0.604
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	39.94	39.49
Linearity SAR (W/kg)	0.623	
% deviation from expected linearity		-3.04%
LTE B41-Linearity Data for Extremity Ant 4		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	20.10	21.70
Reported 10g SAR (W/kg)	2.498	2.399
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	64.77	64.05
Linearity SAR (W/kg)	2.470	
% deviation from expected linearity		-2.87%



Sensor off

LTE B41-Linearity Data for Body-worn Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.330	0.440
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.450	
% deviation from expected linearity		-2.31%
LTE B41-Linearity Data for Extremity Ant 1		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 10g SAR (W/kg)	0.485	0.656
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.662	
% deviation from expected linearity		-0.90%

LTE B41-Linearity Data for Body-worn Ant 4		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00
Reported 1g SAR (W/kg)	0.346	0.449
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	172.38
Linearity SAR (W/kg)	0.472	
% deviation from expected linearity		-4.92%
LTE B41-Linearity Data for Extremity Ant 4		
	LTE B41 (Power Class 3)	LTE B41 (Power Class 2)
Maximum Tune up Power (dBm)	23.00	26.00
Reported 10g SAR (W/kg)	0.167	0.231
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	126.30	172.38
Linearity SAR (W/kg)	0.228	
% deviation from expected linearity		1.35%

17. 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 + WLAN6GHz	Yes	Yes		Yes
4.	WWAN + Bluetooth	Yes	Yes	Yes	Yes
5.	WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
6.	WLAN2.4GHz + WLAN6GHz	Yes	Yes		Yes
7.	WLAN2.4GHz+ Bluetooth	Yes	Yes	Yes	Yes
8.	WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
9.	WLAN6GHz+ Bluetooth	Yes	Yes		Yes
10.	WWAN + WLAN2.4GHz + WLAN5GHz	Yes	Yes	Yes	Yes
11.	WWAN + WLAN2.4GHz + WLAN6GHz	Yes	Yes		Yes
12.	WWAN + WLAN2.4GHz+ Bluetooth	Yes	Yes	Yes	Yes
13.	WWAN + WLAN5GHz+ Bluetooth	Yes	Yes	Yes	Yes
14.	WWAN + WLAN6GHz+ Bluetooth	Yes	Yes		Yes
15.	WWAN + WLAN2.4GHz+NFC				Yes
16.	WWAN + WLAN5GHz+NFC				Yes
17.	WWAN + WLAN6GHz+NFC				Yes
18.	WWAN + Bluetooth+NFC				Yes
19.	WLAN2.4GHz + WLAN5GHz+NFC				Yes
20.	WLAN2.4GHz + WLAN6GHz+NFC				Yes
21.	WLAN2.4GHz+ Bluetooth+NFC				Yes
22.	WLAN5GHz+ Bluetooth+NFC				Yes
23.	WLAN6GHz+ Bluetooth+NFC				Yes
24.	WWAN + WLAN2.4GHz + WLAN5GHz+NFC				Yes
25.	WWAN + WLAN2.4GHz + WLAN6GHz+NFC				Yes
26.	WWAN + WLAN2.4GHz+ Bluetooth+NFC				Yes
27.	WWAN + WLAN5GHz+ Bluetooth+NFC				Yes
28.	WWAN + WLAN6GHz+ Bluetooth+NFC				Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA, LTE and 5GNR (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- The 2.4GHz/5GHz/6GHz WLAN can transmit in SISO/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.
- For EN-DC mode, MediaTek TA-SAR algorithm in WWAN adds directly the time-averaged RF exposure from 4G(LTE) and time-averaged RF exposure from 5G NR. TA-SAR algorithm controls the total RF exposure from both 4G and 5G NR to not exceed SAR exposure limit. Therefore, simultaneous transmission compliance between 4G+5G NR operation is demonstrated in the Part 2 Report during algorithm validation. In this Report, simultaneous transmission compliance was evaluated individually with other Radios (WLAN or BT) using one of 4G or 5G NR.
- 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). WLAN 6GHz has no hotspot function.
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna path and cannot transmit simultaneously. WLAN2.4GHz and Bluetooth are located on different antennas, they can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz and Bluetooth can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz/6GHz (Ant 7) and WLAN 2.4GHz (Ant 6) can transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 6GHz can't transmit simultaneously.
- NFC can transmit simultaneously with other Radios in extremity exposure condition.

14. For Headset SAR and non-Headset SAR always chose higher SAR to do co-located analysis.
15. For standalone WWAN, 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. This is the worst co-located analysis and can represent each band.
16. The maximum SAR summation is calculated based on the same configuration and test position.
17. 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.
18. 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 17.6.
19. The WLAN6GHz Sim-Tx analysis guidance with other transmitters was based on SAR test results. The simultaneous transmission and test exemption analysis was compliance with KDB 447498 D01, and the device does not support FR2 or another MPE field measurement, therefore SAR report in section 17 has no include TER analysis requirement according to KDB 987594.

17.1 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by MediaTek TA-SAR, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

TA-SAR current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x, then the exposure margin left for 5G NR is capped to y. Thus, the compliance equation for LTE + 5G NR is

$$\begin{aligned} x*A + y*B + m &\leq 1 \\ x + y &= g \leq 1 \\ g + m &\leq 1 \end{aligned}$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and $A \leq 1.0$; B is normalized reported time-averaged exposure ratio from 5G NR (i.e., PD exposure for 5G FR2 or SAR exposure for 5G FR1), and $B \leq 1.0$.

Let $m =$ normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x * A + y * B + m \leq 1.0 \quad (1)$$

$$x * A + y * B \leq x * \max(A, B) + (g-x) * \max(A, B) \leq \max(A, B)$$

$$x * A + (g-x) * B + m \leq \max(A, B) + m \leq 1.0 \quad (2)$$

If $A + m \leq 1.0$ and $B + m \leq 1.0$ can be proven, then “ $x * A + y * B + m \leq 1.0$ ”. Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

- Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1
- Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Else, if $A + m > 1.0$ and/or $B + m > 1.0$, then the followings need to hold true for compliance:

- i. A and m are decoupled based on the SPLSR criteria, and
- ii. $y * B + m \leq 1.0$, and
- iii. $x * A + y * B \leq 1.0$

Note iii. is covered in Part 2 report; i. and ii. should be addressed in Part 2 report.

Above analysis is also apply to LTE(NR) inter-band uplink, LTE(NR)1 + LTE(NR)2 + WLAN + BT simultaneous transmission, so inter-band uplink CA no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of LTE(NR) + WLAN + BT < 1.

Above analysis is also apply to NR band UL MIMO, NR(SISO1) + NR(SISO2) + WLAN + BT simultaneous transmission, so UL MIMO no need to do additional simultaneously analysis again. Only required comply with total exposure ratio (TER) of NR + WLAN + BT < 1.



17.2 Head Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12
		WWAN	WLAN2.4GHz Ant 6+8 Standalone	WLAN2.4GHz Ant 6+8 WWAN+non DBS	WLAN2.4GHz Ant 6 DBS only	WLAN2.4GHz Ant 6 WWAN+DBS	WLAN5GHz Ant 5+7 Standalone	WLAN5GHz Ant 5+7 WWAN+non DBS	WLAN5GHz Ant 7 DBS only	WLAN5GHz Ant 7 WWAN+DBS	Bluetooth Ant 6	WLAN6GHz Ant 5+7	WLAN6GHz Ant 7
		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)
GSM850 Ant 0	Right Cheek	0.235	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.144	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.353	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.196	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
GSM850 Ant 4	Right Cheek	0.888	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.661	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.389	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.358	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
GSM1900 Ant 1	Right Cheek	0.236	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.086	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.150	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.107	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
WCDMA II Ant 1	Right Cheek	0.367	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.162	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.267	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.186	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
WCDMA IV Ant 1	Right Cheek	0.249	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.156	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.258	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.135	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
WCDMA V Ant 0	Right Cheek	0.192	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.115	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.306	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.152	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
WCDMA V Ant 4	Right Cheek	0.876	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.653	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.410	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.480	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 7 Ant 1	Right Cheek	0.144	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.124	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.237	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.069	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 7 Ant 4	Right Cheek	0.713	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.886	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.662	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.722	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 12 Ant 0	Right Cheek	0.180	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.129	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.275	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.156	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 12 Ant 4	Right Cheek	0.877	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.861	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.437	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.406	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 13 Ant 0	Right Cheek	0.205	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.143	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.311	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.183	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016



LTE Band 13 Ant 4	Right Cheek	0.893	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.826	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.454	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.418	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 25 Ant 1	Right Cheek	0.401	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.147	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.310	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.175	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 25 Ant 4	Right Cheek	0.890	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.882	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.670	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.862	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 26 Ant 0	Right Cheek	0.238	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.146	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.359	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.192	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 26 Ant 4	Right Cheek	0.827	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.753	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.452	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.405	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 66 Ant 1	Right Cheek	0.229	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.132	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.240	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.112	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 66 Ant 4	Right Cheek	0.892	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.755	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.457	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.611	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 41 Ant 1	Right Cheek	0.129	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.074	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.184	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.068	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 41 Ant 4	Right Cheek	0.780	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.891	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.745	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.818	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
LTE Band 42 Part 27Q Ant 3	Right Cheek	0.889	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.332	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.233	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.130	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n2 Ant 1	Right Cheek	0.216	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.085	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.163	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.112	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n2 Ant 4	Right Cheek	0.881	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.809	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.622	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.790	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n7 Ant 1	Right Cheek	0.120	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.102	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.197	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.067	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n7 Ant 4	Right Cheek	0.783	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.889	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.720	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169



	Left Tilted	0.783	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n26 Ant 0	Right Cheek	0.104	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.065	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.155	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.090	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n26 Ant 4	Right Cheek	0.882	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.755	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.439	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.406	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n66 Ant 1	Right Cheek	0.181	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.109	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.189	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.096	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016

WWAN Band	Exposure Position	2+10	6+10	4+8	4+12	1+3+10	1+7+10	1+10+11	1+5+9	1+5+12
		Summed	Summed	Summed	Summed	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)
GSM850 Ant 0	Right Cheek	0.53	0.66	0.49	0.37	0.43	0.52	0.44	0.36	0.37
	Right Tilted	0.40	0.68	0.50	0.33	0.30	0.42	0.35	0.27	0.24
	Left Cheek	1.41	1.41	1.54	0.93	0.98	1.03	0.83	0.73	0.71
	Left Tilted	0.79	0.97	0.85	0.52	0.50	0.62	0.63	0.40	0.34
GSM850 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.09	1.17	1.09	1.01	1.02
	Right Tilted	0.40	0.68	0.50	0.33	0.82	0.94	0.86	0.78	0.76
	Left Cheek	1.41	1.41	1.54	0.93	1.02	1.06	0.86	0.77	0.75
	Left Tilted	0.79	0.97	0.85	0.52	0.66	0.78	0.79	0.57	0.50
GSM1900 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.44	0.52	0.44	0.36	0.37
	Right Tilted	0.40	0.68	0.50	0.33	0.24	0.36	0.29	0.21	0.18
	Left Cheek	1.41	1.41	1.54	0.93	0.78	0.83	0.62	0.53	0.51
	Left Tilted	0.79	0.97	0.85	0.52	0.41	0.53	0.54	0.31	0.25
WCDMA II Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.57	0.65	0.57	0.49	0.50
	Right Tilted	0.40	0.68	0.50	0.33	0.32	0.44	0.36	0.28	0.26
	Left Cheek	1.41	1.41	1.54	0.93	0.90	0.94	0.74	0.65	0.62
	Left Tilted	0.79	0.97	0.85	0.52	0.49	0.61	0.62	0.39	0.33
WCDMA IV Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.45	0.53	0.45	0.37	0.38
	Right Tilted	0.40	0.68	0.50	0.33	0.31	0.43	0.36	0.28	0.25
	Left Cheek	1.41	1.41	1.54	0.93	0.89	0.93	0.73	0.64	0.62
	Left Tilted	0.79	0.97	0.85	0.52	0.44	0.56	0.57	0.34	0.28
WCDMA V Ant 0	Right Cheek	0.53	0.66	0.49	0.37	0.39	0.47	0.40	0.31	0.32
	Right Tilted	0.40	0.68	0.50	0.33	0.27	0.39	0.32	0.24	0.21
	Left Cheek	1.41	1.41	1.54	0.93	0.93	0.98	0.78	0.69	0.66
	Left Tilted	0.79	0.97	0.85	0.52	0.46	0.57	0.59	0.36	0.29
WCDMA V Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.08	1.16	1.08	1.00	1.01
	Right Tilted	0.40	0.68	0.50	0.33	0.81	0.93	0.86	0.77	0.75
	Left Cheek	1.41	1.41	1.54	0.93	1.04	1.09	0.88	0.79	0.77
	Left Tilted	0.79	0.97	0.85	0.52	0.78	0.90	0.91	0.69	0.62
LTE Band 7 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.34	0.42	0.35	0.26	0.28
	Right Tilted	0.40	0.68	0.50	0.33	0.28	0.40	0.33	0.25	0.22
	Left Cheek	1.41	1.41	1.54	0.93	0.87	0.91	0.71	0.62	0.59
	Left Tilted	0.79	0.97	0.85	0.52	0.37	0.49	0.50	0.28	0.21
LTE Band 7 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	0.91	0.99	0.92	0.83	0.85
	Right Tilted	0.40	0.68	0.50	0.33	1.04	1.16	1.09	1.01	0.98
	Left Cheek	1.41	1.41	1.54	0.93	1.29	1.34	1.14	1.04	1.02
	Left Tilted	0.79	0.97	0.85	0.52	1.03	1.14	1.16	0.93	0.86
LTE Band 12 Ant 0	Right Cheek	0.53	0.66	0.49	0.37	0.38	0.46	0.39	0.30	0.31
	Right Tilted	0.40	0.68	0.50	0.33	0.29	0.40	0.33	0.25	0.22



	Left Cheek	1.41	1.41	1.54	0.93	0.90	0.95	0.75	0.66	0.63
	Left Tilted	0.79	0.97	0.85	0.52	0.46	0.58	0.59	0.36	0.30
LTE Band 12 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.08	1.16	1.08	1.00	1.01
	Right Tilted	0.40	0.68	0.50	0.33	1.02	1.14	1.06	0.98	0.96
	Left Cheek	1.41	1.41	1.54	0.93	1.07	1.11	0.91	0.82	0.79
	Left Tilted	0.79	0.97	0.85	0.52	0.71	0.83	0.84	0.61	0.55
LTE Band 13 Ant 0	Right Cheek	0.53	0.66	0.49	0.37	0.40	0.49	0.41	0.33	0.34
	Right Tilted	0.40	0.68	0.50	0.33	0.30	0.42	0.35	0.26	0.24
	Left Cheek	1.41	1.41	1.54	0.93	0.94	0.99	0.79	0.69	0.67
	Left Tilted	0.79	0.97	0.85	0.52	0.49	0.60	0.62	0.39	0.32
LTE Band 13 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.09	1.17	1.10	1.01	1.03
	Right Tilted	0.40	0.68	0.50	0.33	0.98	1.10	1.03	0.95	0.92
	Left Cheek	1.41	1.41	1.54	0.93	1.08	1.13	0.93	0.84	0.81
	Left Tilted	0.79	0.97	0.85	0.52	0.72	0.84	0.85	0.63	0.56
LTE Band 25 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.60	0.68	0.61	0.52	0.53
	Right Tilted	0.40	0.68	0.50	0.33	0.31	0.42	0.35	0.27	0.24
	Left Cheek	1.41	1.41	1.54	0.93	0.94	0.99	0.78	0.69	0.67
	Left Tilted	0.79	0.97	0.85	0.52	0.48	0.60	0.61	0.38	0.32
LTE Band 25 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.09	1.17	1.10	1.01	1.02
	Right Tilted	0.40	0.68	0.50	0.33	1.04	1.16	1.08	1.00	0.98
	Left Cheek	1.41	1.41	1.54	0.93	1.30	1.35	1.14	1.05	1.03
	Left Tilted	0.79	0.97	0.85	0.52	1.17	1.28	1.30	1.07	1.00
LTE Band 26 Ant 0	Right Cheek	0.53	0.66	0.49	0.37	0.44	0.52	0.44	0.36	0.37
	Right Tilted	0.40	0.68	0.50	0.33	0.30	0.42	0.35	0.27	0.24
	Left Cheek	1.41	1.41	1.54	0.93	0.99	1.03	0.83	0.74	0.72
	Left Tilted	0.79	0.97	0.85	0.52	0.50	0.61	0.63	0.40	0.33
LTE Band 26 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.03	1.11	1.03	0.95	0.96
	Right Tilted	0.40	0.68	0.50	0.33	0.91	1.03	0.96	0.87	0.85
	Left Cheek	1.41	1.41	1.54	0.93	1.08	1.13	0.93	0.83	0.81
	Left Tilted	0.79	0.97	0.85	0.52	0.71	0.83	0.84	0.61	0.55
LTE Band 66 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.43	0.51	0.43	0.35	0.36
	Right Tilted	0.40	0.68	0.50	0.33	0.29	0.41	0.33	0.25	0.23
	Left Cheek	1.41	1.41	1.54	0.93	0.87	0.92	0.71	0.62	0.60
	Left Tilted	0.79	0.97	0.85	0.52	0.42	0.53	0.55	0.32	0.25
LTE Band 66 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.09	1.17	1.10	1.01	1.02
	Right Tilted	0.40	0.68	0.50	0.33	0.91	1.03	0.96	0.88	0.85
	Left Cheek	1.41	1.41	1.54	0.93	1.09	1.13	0.93	0.84	0.81
	Left Tilted	0.79	0.97	0.85	0.52	0.92	1.03	1.05	0.82	0.75
LTE Band 41 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.33	0.41	0.33	0.25	0.26
	Right Tilted	0.40	0.68	0.50	0.33	0.23	0.35	0.28	0.20	0.17
	Left Cheek	1.41	1.41	1.54	0.93	0.81	0.86	0.66	0.57	0.54
	Left Tilted	0.79	0.97	0.85	0.52	0.37	0.49	0.50	0.28	0.21
LTE Band 41 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	0.98	1.06	0.99	0.90	0.91
	Right Tilted	0.40	0.68	0.50	0.33	1.05	1.17	1.09	1.01	0.99
	Left Cheek	1.41	1.41	1.54	0.93	1.37	1.42	1.22	1.13	1.10
	Left Tilted	0.79	0.97	0.85	0.52	1.12	1.24	1.25	1.03	0.96
LTE Band 42 Part 27Q Ant 3	Right Cheek	0.53	0.66	0.49	0.37	1.09	1.17	1.09	1.01	1.02
	Right Tilted	0.40	0.68	0.50	0.33	0.49	0.61	0.53	0.45	0.43
	Left Cheek	1.41	1.41	1.54	0.93	0.86	0.91	0.71	0.61	0.59
	Left Tilted	0.79	0.97	0.85	0.52	0.43	0.55	0.56	0.34	0.27
FR1 n2 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.42	0.50	0.42	0.34	0.35
	Right Tilted	0.40	0.68	0.50	0.33	0.24	0.36	0.29	0.21	0.18
	Left Cheek	1.41	1.41	1.54	0.93	0.79	0.84	0.64	0.54	0.52
	Left Tilted	0.79	0.97	0.85	0.52	0.42	0.53	0.55	0.32	0.25
	Right Cheek	0.53	0.66	0.49	0.37	1.08	1.16	1.09	1.00	1.01



FR1 n2 Ant 4	Right Tilted	0.40	0.68	0.50	0.33	0.97	1.08	1.01	0.93	0.90
	Left Cheek	1.41	1.41	1.54	0.93	1.25	1.30	1.10	1.00	0.98
	Left Tilted	0.79	0.97	0.85	0.52	1.09	1.21	1.22	1.00	0.93
FR1 n7 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.32	0.40	0.33	0.24	0.25
	Right Tilted	0.40	0.68	0.50	0.33	0.26	0.38	0.30	0.22	0.20
	Left Cheek	1.41	1.41	1.54	0.93	0.83	0.87	0.67	0.58	0.55
FR1 n7 Ant 4	Left Tilted	0.79	0.97	0.85	0.52	0.37	0.49	0.50	0.27	0.21
	Right Cheek	0.53	0.66	0.49	0.37	0.98	1.06	0.99	0.90	0.92
	Right Tilted	0.40	0.68	0.50	0.33	1.05	1.16	1.09	1.01	0.98
FR1 n7 Ant 4	Left Cheek	1.41	1.41	1.54	0.93	1.35	1.40	1.19	1.10	1.08
	Left Tilted	0.79	0.97	0.85	0.52	1.09	1.20	1.22	0.99	0.92
	Right Cheek	0.53	0.66	0.49	0.37	0.30	0.38	0.31	0.22	0.24
FR1 n26 Ant 0	Right Tilted	0.40	0.68	0.50	0.33	0.22	0.34	0.27	0.19	0.16
	Left Cheek	1.41	1.41	1.54	0.93	0.78	0.83	0.63	0.54	0.51
	Left Tilted	0.79	0.97	0.85	0.52	0.39	0.51	0.52	0.30	0.23
FR1 n26 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.08	1.16	1.09	1.00	1.01
	Right Tilted	0.40	0.68	0.50	0.33	0.91	1.03	0.96	0.88	0.85
	Left Cheek	1.41	1.41	1.54	0.93	1.07	1.11	0.91	0.82	0.80
FR1 n26 Ant 4	Left Tilted	0.79	0.97	0.85	0.52	0.71	0.83	0.84	0.61	0.55
	Right Cheek	0.53	0.66	0.49	0.37	0.38	0.46	0.39	0.30	0.31
	Right Tilted	0.40	0.68	0.50	0.33	0.27	0.38	0.31	0.23	0.20
FR1 n66 Ant 1	Left Cheek	1.41	1.41	1.54	0.93	0.82	0.86	0.66	0.57	0.55
	Left Tilted	0.79	0.97	0.85	0.52	0.40	0.52	0.53	0.30	0.24



WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12
		WWAN	WLAN2.4GHz Ant 6+8 Standalone	WLAN2.4GHz Ant 6+8 WWAN+non DBS	WLAN2.4GHz Ant 6 DBS only	WLAN2.4GHz Ant 6 WWAN+DBS	WLAN5GHz Ant 5+7 Standalone	WLAN5GHz Ant 5+7 WWAN+non DBS	WLAN5GHz Ant 7 DBS only	WLAN5GHz Ant 7 WWAN+DBS	Bluetooth Ant 6	WLAN6GHz Ant 5+7	WLAN6GHz Ant 7
		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)
FR1 n66 Ant 4	Right Cheek	0.859	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.888	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.543	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.754	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n41 Ant 0	Right Cheek	0.058	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.052	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.095	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.048	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n41 Ant 1	Right Cheek	0.129	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.093	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.184	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.085	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n41 Ant 2	Right Cheek	0.883	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.114	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.665	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.071	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n41 Ant 4	Right Cheek	0.785	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.891	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.722	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.843	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n77 Part 270 HPUE Ant 3	Right Cheek	0.882	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.314	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.182	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.109	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n77 Part 270 Ant 5	Right Cheek	0.582	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.740	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.700	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.882	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n77 Part 270 Ant 7	Right Cheek	0.225	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.175	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.893	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.400	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016
FR1 n77 Part 270 HPUE Ant 9	Right Cheek	0.787	0.470	0.143	0.312	0.077	0.600	0.224	0.176	0.043	0.056	0.149	0.055
	Right Tilted	0.367	0.347	0.105	0.306	0.075	0.629	0.222	0.192	0.046	0.053	0.149	0.019
	Left Cheek	0.520	1.130	0.344	0.764	0.188	1.123	0.391	0.777	0.193	0.284	0.190	0.169
	Left Tilted	0.511	0.694	0.211	0.507	0.124	0.877	0.327	0.345	0.083	0.093	0.341	0.016



WWAN Band	Exposure Position	2+10	6+10	4+8	4+12	1+3+10	1+7+10	1+10+11	1+5+9	1+5+12
		Summed	Summed	Summed	Summed	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)
FR1 n66 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	1.06	1.14	1.06	0.98	0.99
	Right Tilted	0.40	0.68	0.50	0.33	1.05	1.16	1.09	1.01	0.98
	Left Cheek	1.41	1.41	1.54	0.93	1.17	1.22	1.02	0.92	0.90
	Left Tilted	0.79	0.97	0.85	0.52	1.06	1.17	1.19	0.96	0.89
FR1 n41 Ant 0	Right Cheek	0.53	0.66	0.49	0.37	0.26	0.34	0.26	0.18	0.19
	Right Tilted	0.40	0.68	0.50	0.33	0.21	0.33	0.25	0.17	0.15
	Left Cheek	1.41	1.41	1.54	0.93	0.72	0.77	0.57	0.48	0.45
	Left Tilted	0.79	0.97	0.85	0.52	0.35	0.47	0.48	0.26	0.19
FR1 n41 Ant 1	Right Cheek	0.53	0.66	0.49	0.37	0.33	0.41	0.33	0.25	0.26
	Right Tilted	0.40	0.68	0.50	0.33	0.25	0.37	0.30	0.21	0.19
	Left Cheek	1.41	1.41	1.54	0.93	0.81	0.86	0.66	0.57	0.54
	Left Tilted	0.79	0.97	0.85	0.52	0.39	0.51	0.52	0.29	0.23
FR1 n41 Ant 2	Right Cheek	0.53	0.66	0.49	0.37	1.08	1.16	1.09	1.00	1.02
	Right Tilted	0.40	0.68	0.50	0.33	0.27	0.39	0.32	0.24	0.21
	Left Cheek	1.41	1.41	1.54	0.93	1.29	1.34	1.14	1.05	1.02
	Left Tilted	0.79	0.97	0.85	0.52	0.38	0.49	0.51	0.28	0.21
FR1 n41 Ant 4	Right Cheek	0.53	0.66	0.49	0.37	0.98	1.07	0.99	0.91	0.92
	Right Tilted	0.40	0.68	0.50	0.33	1.05	1.17	1.09	1.01	0.99
	Left Cheek	1.41	1.41	1.54	0.93	1.35	1.40	1.20	1.10	1.08
	Left Tilted	0.79	0.97	0.85	0.52	1.15	1.26	1.28	1.05	0.98
FR1 n77 Part 270 HPUE Ant 3	Right Cheek	0.53	0.66	0.49	0.37	1.08	1.16	1.09	1.00	1.01
	Right Tilted	0.40	0.68	0.50	0.33	0.47	0.59	0.52	0.44	0.41
	Left Cheek	1.41	1.41	1.54	0.93	0.81	0.86	0.66	0.56	0.54
	Left Tilted	0.79	0.97	0.85	0.52	0.41	0.53	0.54	0.32	0.25
FR1 n77 Part 270 Ant 5	Right Cheek	0.53	0.66	0.49	0.37	0.78	0.86	0.79	0.70	0.71
	Right Tilted	0.40	0.68	0.50	0.33	0.90	1.02	0.94	0.86	0.83
	Left Cheek	1.41	1.41	1.54	0.93	1.33	1.38	1.17	1.08	1.06
	Left Tilted	0.79	0.97	0.85	0.52	1.19	1.30	1.32	1.09	1.02
FR1 n77 Part 270 Ant 7	Right Cheek	0.53	0.66	0.49	0.37	0.42	0.51	0.43	0.35	0.36
	Right Tilted	0.40	0.68	0.50	0.33	0.33	0.45	0.38	0.30	0.27
	Left Cheek	1.41	1.41	1.54	0.93	1.52	1.57	1.37	1.27	1.25
	Left Tilted	0.79	0.97	0.85	0.52	0.70	0.82	0.83	0.61	0.54
FR1 n77 Part 270 HPUE Ant 9	Right Cheek	0.53	0.66	0.49	0.37	0.99	1.07	0.99	0.91	0.92
	Right Tilted	0.40	0.68	0.50	0.33	0.53	0.64	0.57	0.49	0.46
	Left Cheek	1.41	1.41	1.54	0.93	1.15	1.20	0.99	0.90	0.88
	Left Tilted	0.79	0.97	0.85	0.52	0.82	0.93	0.95	0.72	0.65



17.3 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5	SPLSR
		WWAN	WLAN2.4GHz Ant 6+8 Simultaneous	WLAN2.4GHz Ant 6 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 7 WWAN+DBS	Bluetooth Ant 6	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)	
GSM850 Ant 0	Front	0.592	0.233	0.192	0.316	0.113	0.119	0.94	1.03	0.90	
	Back	1.289	0.309	0.298	0.455	0.168	0.075	1.67	1.82	1.76	1/2/3
	Left side	0.766	0.015	0.022	0.089	0.010	0.001	0.78	0.86	0.80	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.607						0.61	0.61	0.61	
GSM850 Ant 4	Front	0.289	0.233	0.192	0.316	0.113	0.119	0.64	0.72	0.59	
	Back	0.604	0.309	0.298	0.455	0.168	0.075	0.99	1.13	1.07	
	Left side	0.331	0.015	0.022	0.089	0.010	0.001	0.35	0.42	0.36	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.515	0.177	0.306	0.619	0.042	0.228	0.92	1.36	0.86	
	Bottom side							0.00	0.00	0.00	
GSM1900 Ant 1	Front	1.078	0.233	0.192	0.316	0.113	0.119	1.43	1.51	1.38	
	Back	1.054	0.309	0.298	0.455	0.168	0.075	1.44	1.58	1.52	
	Left side	0.313	0.015	0.022	0.089	0.010	0.001	0.33	0.40	0.35	
	Right side	0.399	0.567	0.117	0.636	0.297	0.053	1.02	1.09	0.81	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.265						1.27	1.27	1.27	
WCDMA II Ant 1	Front	1.214	0.233	0.192	0.316	0.113	0.119	1.57	1.65	1.52	4
	Back	1.096	0.309	0.298	0.455	0.168	0.075	1.48	1.63	1.56	5
	Left side	0.331	0.015	0.022	0.089	0.010	0.001	0.35	0.42	0.36	
	Right side	0.392	0.567	0.117	0.636	0.297	0.053	1.01	1.08	0.81	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.272						1.27	1.27	1.27	
WCDMA IV Ant 1	Front	1.053	0.233	0.192	0.316	0.113	0.119	1.41	1.49	1.36	
	Back	0.938	0.309	0.298	0.455	0.168	0.075	1.32	1.47	1.40	
	Left side	0.278	0.015	0.022	0.089	0.010	0.001	0.29	0.37	0.31	
	Right side	0.290	0.567	0.117	0.636	0.297	0.053	0.91	0.98	0.70	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.291						1.29	1.29	1.29	
WCDMA V Ant 0	Front	0.640	0.233	0.192	0.316	0.113	0.119	0.99	1.08	0.95	
	Back	1.240	0.309	0.298	0.455	0.168	0.075	1.62	1.77	1.71	6/7/8
	Left side	0.884	0.015	0.022	0.089	0.010	0.001	0.90	0.97	0.92	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.582						0.58	0.58	0.58	
WCDMA V Ant 4	Front	0.447	0.233	0.192	0.316	0.113	0.119	0.80	0.88	0.75	
	Back	0.622	0.309	0.298	0.455	0.168	0.075	1.01	1.15	1.09	
	Left side	0.383	0.015	0.022	0.089	0.010	0.001	0.40	0.47	0.42	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.599	0.177	0.306	0.619	0.042	0.228	1.00	1.45	0.95	
	Bottom side							0.00	0.00	0.00	
LTE Band 7 Ant 1	Front	0.964	0.233	0.192	0.316	0.113	0.119	1.32	1.40	1.27	
	Back	0.665	0.309	0.298	0.455	0.168	0.075	1.05	1.20	1.13	
	Left side	0.127	0.015	0.022	0.089	0.010	0.001	0.14	0.22	0.16	
	Right side	0.191	0.567	0.117	0.636	0.297	0.053	0.81	0.88	0.61	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.268						1.27	1.27	1.27	



LTE Band 7 Ant 4	Front	0.217	0.233	0.192	0.316	0.113	0.119	0.57	0.65	0.52	
	Back	0.607	0.309	0.298	0.455	0.168	0.075	0.99	1.14	1.07	
	Left side	0.043	0.015	0.022	0.089	0.010	0.001	0.06	0.13	0.08	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.567	0.177	0.306	0.619	0.042	0.228	0.97	1.41	0.92	
	Bottom side							0.00	0.00	0.00	
LTE Band 12 Ant 0	Front	0.586	0.233	0.192	0.316	0.113	0.119	0.94	1.02	0.89	
	Back	1.221	0.309	0.298	0.455	0.168	0.075	1.61	1.75	1.69	9/10/11
	Left side	1.024	0.015	0.022	0.089	0.010	0.001	1.04	1.11	1.06	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.657						0.66	0.66	0.66	
LTE Band 12 Ant 4	Front	0.351	0.233	0.192	0.316	0.113	0.119	0.70	0.79	0.66	
	Back	0.592	0.309	0.298	0.455	0.168	0.075	0.98	1.12	1.06	
	Left side	0.422	0.015	0.022	0.089	0.010	0.001	0.44	0.51	0.45	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.628	0.177	0.306	0.619	0.042	0.228	1.03	1.48	0.98	
	Bottom side							0.00	0.00	0.00	
LTE Band 13 Ant 0	Front	0.666	0.233	0.192	0.316	0.113	0.119	1.02	1.10	0.97	
	Back	1.247	0.309	0.298	0.455	0.168	0.075	1.63	1.78	1.71	12/13/14
	Left side	1.066	0.015	0.022	0.089	0.010	0.001	1.08	1.16	1.10	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.626						0.63	0.63	0.63	
LTE Band 13 Ant 4	Front	0.329	0.233	0.192	0.316	0.113	0.119	0.68	0.76	0.63	
	Back	0.548	0.309	0.298	0.455	0.168	0.075	0.93	1.08	1.01	
	Left side	0.405	0.015	0.022	0.089	0.010	0.001	0.42	0.50	0.44	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.632	0.177	0.306	0.619	0.042	0.228	1.04	1.48	0.98	
	Bottom side							0.00	0.00	0.00	
LTE Band 25 Ant 1	Front	1.010	0.233	0.192	0.316	0.113	0.119	1.36	1.45	1.32	
	Back	0.889	0.309	0.298	0.455	0.168	0.075	1.27	1.42	1.36	
	Left side	0.196	0.015	0.022	0.089	0.010	0.001	0.21	0.29	0.23	
	Right side	0.321	0.567	0.117	0.636	0.297	0.053	0.94	1.01	0.74	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.268						1.27	1.27	1.27	
LTE Band 25 Ant 4	Front	0.445	0.233	0.192	0.316	0.113	0.119	0.80	0.88	0.75	
	Back	0.545	0.309	0.298	0.455	0.168	0.075	0.93	1.08	1.01	
	Left side	0.172	0.015	0.022	0.089	0.010	0.001	0.19	0.26	0.20	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.625	0.177	0.306	0.619	0.042	0.228	1.03	1.47	0.97	
	Bottom side							0.00	0.00	0.00	
LTE Band 26 Ant 0	Front	0.651	0.233	0.192	0.316	0.113	0.119	1.00	1.09	0.96	
	Back	1.257	0.309	0.298	0.455	0.168	0.075	1.64	1.79	1.72	15/16/17
	Left side	0.783	0.015	0.022	0.089	0.010	0.001	0.80	0.87	0.82	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.645						0.65	0.65	0.65	
LTE Band 26 Ant 4	Front	0.393	0.233	0.192	0.316	0.113	0.119	0.75	0.83	0.70	
	Back	0.624	0.309	0.298	0.455	0.168	0.075	1.01	1.15	1.09	
	Left side	0.319	0.015	0.022	0.089	0.010	0.001	0.34	0.41	0.35	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.588	0.177	0.306	0.619	0.042	0.228	0.99	1.44	0.94	
	Bottom side							0.00	0.00	0.00	
	Front	1.228	0.233	0.192	0.316	0.113	0.119	1.58	1.66	1.53	18



LTE Band 66 Ant 1	Back	0.798	0.309	0.298	0.455	0.168	0.075	1.18	1.33	1.26	
	Left side	0.231	0.015	0.022	0.089	0.010	0.001	0.25	0.32	0.26	
	Right side	0.270	0.567	0.117	0.636	0.297	0.053	0.89	0.96	0.68	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.270						1.27	1.27	1.27	
LTE Band 66 Ant 4	Front	0.372	0.233	0.192	0.316	0.113	0.119	0.72	0.81	0.68	
	Back	0.599	0.309	0.298	0.455	0.168	0.075	0.98	1.13	1.07	
	Left side	0.206	0.015	0.022	0.089	0.010	0.001	0.22	0.30	0.24	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.616	0.177	0.306	0.619	0.042	0.228	1.02	1.46	0.96	
	Bottom side							0.00	0.00	0.00	
LTE Band 41 Ant 1	Front	1.089	0.233	0.192	0.316	0.113	0.119	1.44	1.52	1.39	
	Back	0.715	0.309	0.298	0.455	0.168	0.075	1.10	1.25	1.18	
	Left side	0.127	0.015	0.022	0.089	0.010	0.001	0.14	0.22	0.16	
	Right side	0.196	0.567	0.117	0.636	0.297	0.053	0.82	0.89	0.61	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.294						1.29	1.29	1.29	
LTE Band 41 Ant 4	Front	0.243	0.233	0.192	0.316	0.113	0.119	0.60	0.68	0.55	
	Back	0.630	0.309	0.298	0.455	0.168	0.075	1.01	1.16	1.10	
	Left side	0.059	0.015	0.022	0.089	0.010	0.001	0.08	0.15	0.09	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.596	0.177	0.306	0.619	0.042	0.228	1.00	1.44	0.94	
	Bottom side							0.00	0.00	0.00	
LTE Band 42 Part 27Q Ant 3	Front	0.331	0.233	0.192	0.316	0.113	0.119	0.68	0.77	0.64	
	Back	0.327	0.309	0.298	0.455	0.168	0.075	0.71	0.86	0.79	
	Left side	0.612	0.015	0.022	0.089	0.010	0.001	0.63	0.70	0.64	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.056	0.177	0.306	0.619	0.042	0.228	0.46	0.90	0.40	
	Bottom side							0.00	0.00	0.00	
FR1 n2 Ant 1	Front	0.903	0.233	0.192	0.316	0.113	0.119	1.26	1.34	1.21	
	Back	0.840	0.309	0.298	0.455	0.168	0.075	1.22	1.37	1.31	
	Left side	0.192	0.015	0.022	0.089	0.010	0.001	0.21	0.28	0.22	
	Right side	0.318	0.567	0.117	0.636	0.297	0.053	0.94	1.01	0.73	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.283						1.28	1.28	1.28	
FR1 n2 Ant 4	Front	0.242	0.233	0.192	0.316	0.113	0.119	0.59	0.68	0.55	
	Back	0.604	0.309	0.298	0.455	0.168	0.075	0.99	1.13	1.07	
	Left side	0.192	0.015	0.022	0.089	0.010	0.001	0.21	0.28	0.22	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.619	0.177	0.306	0.619	0.042	0.228	1.02	1.47	0.97	
	Bottom side							0.00	0.00	0.00	
FR1 n7 Ant 1	Front	0.931	0.233	0.192	0.316	0.113	0.119	1.28	1.37	1.24	
	Back	0.674	0.309	0.298	0.455	0.168	0.075	1.06	1.20	1.14	
	Left side	0.118	0.015	0.022	0.089	0.010	0.001	0.13	0.21	0.15	
	Right side	0.221	0.567	0.117	0.636	0.297	0.053	0.84	0.91	0.64	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.271						1.27	1.27	1.27	
FR1 n7 Ant 4	Front	0.202	0.233	0.192	0.316	0.113	0.119	0.55	0.64	0.51	
	Back	0.626	0.309	0.298	0.455	0.168	0.075	1.01	1.16	1.09	
	Left side	0.042	0.015	0.022	0.089	0.010	0.001	0.06	0.13	0.07	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.504	0.177	0.306	0.619	0.042	0.228	0.91	1.35	0.85	
	Bottom side							0.00	0.00	0.00	
FR1 n26 Ant 0	Front	0.385	0.233	0.192	0.316	0.113	0.119	0.74	0.82	0.69	
	Back	0.702	0.309	0.298	0.455	0.168	0.075	1.09	1.23	1.17	



	Left side	0.558	0.015	0.022	0.089	0.010	0.001	0.57	0.65	0.59	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.374						0.37	0.37	0.37	
FR1 n26 Ant 4	Front	0.353	0.233	0.192	0.316	0.113	0.119	0.71	0.79	0.66	
	Back	0.619	0.309	0.298	0.455	0.168	0.075	1.00	1.15	1.09	
	Left side	0.337	0.015	0.022	0.089	0.010	0.001	0.35	0.43	0.37	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side							0.00	0.00	0.00	
FR1 n66 Ant 1	Front	0.868	0.233	0.192	0.316	0.113	0.119	1.22	1.30	1.17	
	Back	0.791	0.309	0.298	0.455	0.168	0.075	1.18	1.32	1.26	
	Left side	0.225	0.015	0.022	0.089	0.010	0.001	0.24	0.32	0.26	
	Right side	0.286	0.567	0.117	0.636	0.297	0.053	0.91	0.98	0.70	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.283						1.28	1.28	1.28	

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2+6	1+4+6	1+3+5	SPLSR
		WWAN	WLAN2.4GHz Ant 6+8 Simultaneous	WLAN2.4GHz Ant 6 WWAN+DBS	WLAN5GHz Ant 5+7 Simultaneous	WLAN5GHz Ant 7 WWAN+DBS	Bluetooth Ant 6	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)	
FR1 n66 Ant 4	Front	0.405	0.233	0.192	0.316	0.113	0.119	0.76	0.84	0.71	
	Back	0.625	0.309	0.298	0.455	0.168	0.075	1.01	1.16	1.09	
	Left side	0.197	0.015	0.022	0.089	0.010	0.001	0.21	0.29	0.23	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.574	0.177	0.306	0.619	0.042	0.228	0.98	1.42	0.92	
	Bottom side							0.00	0.00	0.00	
FR1 n41 Ant 0	Front	0.366	0.233	0.192	0.316	0.113	0.119	0.72	0.80	0.67	
	Back	0.908	0.309	0.298	0.455	0.168	0.075	1.29	1.44	1.37	
	Left side	0.206	0.015	0.022	0.089	0.010	0.001	0.22	0.30	0.24	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.494						0.49	0.49	0.49	
FR1 n41 Ant 1	Front	0.939	0.233	0.192	0.316	0.113	0.119	1.29	1.37	1.24	
	Back	0.733	0.309	0.298	0.455	0.168	0.075	1.12	1.26	1.20	
	Left side	0.136	0.015	0.022	0.089	0.010	0.001	0.15	0.23	0.17	
	Right side	0.234	0.567	0.117	0.636	0.297	0.053	0.85	0.92	0.65	
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	1.292						1.29	1.29	1.29	
FR1 n41 Ant 2	Front	0.238	0.233	0.192	0.316	0.113	0.119	0.59	0.67	0.54	
	Back	0.232	0.309	0.298	0.455	0.168	0.075	0.62	0.76	0.70	
	Left side	0.616	0.015	0.022	0.089	0.010	0.001	0.63	0.71	0.65	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.016	0.177	0.306	0.619	0.042	0.228	0.42	0.86	0.36	
	Bottom side							0.00	0.00	0.00	
FR1 n41 Ant 4	Front	0.443	0.233	0.192	0.316	0.113	0.119	0.80	0.88	0.75	
	Back	0.623	0.309	0.298	0.455	0.168	0.075	1.01	1.15	1.09	
	Left side	0.050	0.015	0.022	0.089	0.010	0.001	0.07	0.14	0.08	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	
	Top side	0.528	0.177	0.306	0.619	0.042	0.228	0.93	1.38	0.88	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 270 HPUE Ant 3	Front	0.342	0.233	0.192	0.316	0.113	0.119	0.69	0.78	0.65	
	Back	0.341	0.309	0.298	0.455	0.168	0.075	0.73	0.87	0.81	
	Left side	0.626	0.015	0.022	0.089	0.010	0.001	0.64	0.72	0.66	
	Right side		0.567	0.117	0.636	0.297	0.053	0.62	0.69	0.41	



	Top side	0.084	0.177	0.306	0.619	0.042	0.228	0.49	0.93	0.43	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 270 Ant 5	Front	0.189	0.233	0.192	0.316	0.113	0.119	0.54	0.62	0.49	
	Back	0.457	0.309	0.298	0.455	0.168	0.075	0.84	0.99	0.92	
	Left side	0.092	0.015	0.022	0.089	0.010	0.001	0.11	0.18	0.12	
	Right side	0.081	0.567	0.117	0.636	0.297	0.053	0.70	0.77	0.50	
	Top side	0.618	0.177	0.306	0.619	0.042	0.228	1.02	1.47	0.97	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 270 Ant 7	Front	0.418	0.233	0.192	0.316	0.113	0.119	0.77	0.85	0.72	
	Back	0.627	0.309	0.298	0.455	0.168	0.075	1.01	1.16	1.09	
	Left side		0.015	0.022	0.089	0.010	0.001	0.02	0.09	0.03	
	Right side	0.527	0.567	0.117	0.636	0.297	0.053	1.15	1.22	0.94	
	Top side	0.179	0.177	0.306	0.619	0.042	0.228	0.58	1.03	0.53	
	Bottom side							0.00	0.00	0.00	
FR1 n77 Part 270 HPUE Ant 9	Front	0.693	0.233	0.192	0.316	0.113	0.119	1.05	1.13	1.00	
	Back	0.728	0.309	0.298	0.455	0.168	0.075	1.11	1.26	1.19	
	Left side		0.015	0.022	0.089	0.010	0.001	0.02	0.09	0.03	
	Right side	1.275	0.567	0.117	0.636	0.297	0.053	1.90	1.96	1.69	19/20/21
	Top side		0.177	0.306	0.619	0.042	0.228	0.41	0.85	0.35	
	Bottom side	0.530						0.53	0.53	0.53	



17.4 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12
		WWAN	WLAN2.4GHz Ant 6+8 Standalone	WLAN2.4GHz Ant 6+8 WWAN+non DBS	WLAN2.4GHz Ant 6 DBS only	WLAN2.4GHz Ant 6 WWAN+DBS	WLAN5GHz Ant 5+7 Standalone	WLAN5GHz Ant 5+7 WWAN+non DBS	WLAN5GHz Ant 7 DBS only	WLAN5GHz Ant 7 WWAN+DBS	Bluetooth Ant 6	WLAN6GHz Ant 5+7	WLAN6GHz Ant 7
		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)
GSM850 Ant 0	Front	0.592	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.289	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
GSM850 Ant 4	Front	0.289	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.604	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
GSM1900 Ant 1	Front	1.281	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.241	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
WCDMA II Ant 1	Front	1.280	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.173	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
WCDMA IV Ant 1	Front	1.268	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.146	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
WCDMA V Ant 0	Front	0.640	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.240	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
WCDMA V Ant 4	Front	0.531	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.740	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 7 Ant 1	Front	1.291	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.931	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 7 Ant 4	Front	0.314	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.892	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 12 Ant 0	Front	0.586	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.221	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 12 Ant 4	Front	0.507	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.858	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 13 Ant 0	Front	0.666	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.247	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 13 Ant 4	Front	0.529	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.885	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 25 Ant 1	Front	1.272	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.131	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 25 Ant 4	Front	0.371	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.877	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 26 Ant 0	Front	0.651	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.257	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 26 Ant 4	Front	0.549	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.872	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 66 Ant 1	Front	1.275	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.859	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 66 Ant 4	Front	0.446	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.892	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 41 Ant 1	Front	1.287	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.837	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 41 Ant 4	Front	0.347	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.898	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
LTE Band 42 Part 27Q Ant 3	Front	0.783	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.888	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n2 Ant 1	Front	1.284	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.197	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
	Front	0.348	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023



FR1 n2 Ant 4	Back	0.878	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n7 Ant 1	Front	1.291	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.936	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n7 Ant 4	Front	0.282	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.875	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n26 Ant 0	Front	0.385	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.702	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n26 Ant 4	Front	0.353	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.619	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n66 Ant 1	Front	1.283	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.168	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184

WWAN Band	Exposure Position	2+10	6+10	4+8	4+12	1+3+10	1+7+10	1+10+11	1+5+9	1+5+12	SPLSR
		Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
GSM850 Ant 0	Front	1.07	0.93	0.93	0.50	1.10	1.07	0.88	0.82	0.73	
	Back	1.26	1.33	1.52	0.92	1.80	1.83	1.82	1.66	1.65	1/2/3/4/5
GSM850 Ant 4	Front	1.07	0.93	0.93	0.50	0.80	0.77	0.58	0.52	0.43	
	Back	1.26	1.33	1.52	0.92	1.11	1.14	1.14	0.98	0.97	
GSM1900 Ant 1	Front	1.07	0.93	0.93	0.50	1.79	1.76	1.57	1.51	1.42	6/7
	Back	1.26	1.33	1.52	0.92	1.75	1.78	1.77	1.62	1.61	8/9/10/11/12
WCDMA II Ant 1	Front	1.07	0.93	0.93	0.50	1.79	1.76	1.57	1.51	1.42	13/14
	Back	1.26	1.33	1.52	0.92	1.68	1.71	1.71	1.55	1.54	15/16/17
WCDMA IV Ant 1	Front	1.07	0.93	0.93	0.50	1.77	1.75	1.56	1.50	1.41	18/19
	Back	1.26	1.33	1.52	0.92	1.65	1.69	1.68	1.52	1.51	20/21/22
WCDMA V Ant 0	Front	1.07	0.93	0.93	0.50	1.15	1.12	0.93	0.87	0.78	
	Back	1.26	1.33	1.52	0.92	1.75	1.78	1.77	1.62	1.60	23/24/25/26/27
WCDMA V Ant 4	Front	1.07	0.93	0.93	0.50	1.04	1.01	0.82	0.76	0.67	
	Back	1.26	1.33	1.52	0.92	1.25	1.28	1.27	1.12	1.10	
LTE Band 7 Ant 1	Front	1.07	0.93	0.93	0.50	1.80	1.77	1.58	1.52	1.43	28/29
	Back	1.26	1.33	1.52	0.92	1.44	1.47	1.46	1.31	1.30	
LTE Band 7 Ant 4	Front	1.07	0.93	0.93	0.50	0.82	0.79	0.60	0.54	0.45	
	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.43	1.27	1.26	
LTE Band 12 Ant 0	Front	1.07	0.93	0.93	0.50	1.09	1.06	0.87	0.82	0.73	
	Back	1.26	1.33	1.52	0.92	1.73	1.76	1.75	1.60	1.59	30/31/32/33
LTE Band 12 Ant 4	Front	1.07	0.93	0.93	0.50	1.01	0.99	0.80	0.74	0.65	
	Back	1.26	1.33	1.52	0.92	1.37	1.40	1.39	1.23	1.22	
LTE Band 13 Ant 0	Front	1.07	0.93	0.93	0.50	1.17	1.14	0.95	0.90	0.81	
	Back	1.26	1.33	1.52	0.92	1.76	1.79	1.78	1.62	1.61	35/36/37/38/39
LTE Band 13 Ant 4	Front	1.07	0.93	0.93	0.50	1.04	1.01	0.82	0.76	0.67	
	Back	1.26	1.33	1.52	0.92	1.39	1.43	1.42	1.26	1.25	
LTE Band 25 Ant 1	Front	1.07	0.93	0.93	0.50	1.78	1.75	1.56	1.50	1.41	40/41
	Back	1.26	1.33	1.52	0.92	1.64	1.67	1.66	1.51	1.50	42/43/44
LTE Band 25 Ant 4	Front	1.07	0.93	0.93	0.50	0.88	0.85	0.66	0.60	0.51	
	Back	1.26	1.33	1.52	0.92	1.39	1.42	1.41	1.25	1.24	
LTE Band 26 Ant 0	Front	1.07	0.93	0.93	0.50	1.16	1.13	0.94	0.88	0.79	
	Back	1.26	1.33	1.52	0.92	1.77	1.80	1.79	1.63	1.62	45/46/47/48/49
LTE Band 26 Ant 4	Front	1.07	0.93	0.93	0.50	1.06	1.03	0.84	0.78	0.69	
	Back	1.26	1.33	1.52	0.92	1.38	1.41	1.41	1.25	1.24	
LTE Band 66 Ant 1	Front	1.07	0.93	0.93	0.50	1.78	1.75	1.56	1.51	1.41	50/51
	Back	1.26	1.33	1.52	0.92	1.37	1.40	1.39	1.23	1.22	
LTE Band 66 Ant 4	Front	1.07	0.93	0.93	0.50	0.95	0.92	0.73	0.68	0.59	
	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.43	1.27	1.26	



LTE Band 41 Ant 1	Front	1.07	0.93	0.93	0.50	1.79	1.77	1.58	1.52	1.43	52/53
	Back	1.26	1.33	1.52	0.92	1.35	1.38	1.37	1.21	1.20	
LTE Band 41 Ant 4	Front	1.07	0.93	0.93	0.50	0.85	0.83	0.64	0.58	0.49	
	Back	1.26	1.33	1.52	0.92	1.41	1.44	1.43	1.27	1.26	
LTE Band 42 Part 27Q Ant 3	Front	1.07	0.93	0.93	0.50	1.29	1.26	1.07	1.01	0.92	
	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.42	1.26	1.25	
FR1 n2 Ant 1	Front	1.07	0.93	0.93	0.50	1.79	1.76	1.57	1.51	1.42	54/55
	Back	1.26	1.33	1.52	0.92	1.71	1.74	1.73	1.57	1.56	56/57/58
FR1 n2 Ant 4	Front	1.07	0.93	0.93	0.50	0.85	0.83	0.64	0.58	0.49	
	Back	1.26	1.33	1.52	0.92	1.39	1.42	1.41	1.25	1.24	
FR1 n7 Ant 1	Front	1.07	0.93	0.93	0.50	1.80	1.77	1.58	1.52	1.43	59/60
	Back	1.26	1.33	1.52	0.92	1.44	1.48	1.47	1.31	1.30	
FR1 n7 Ant 4	Front	1.07	0.93	0.93	0.50	0.79	0.76	0.57	0.51	0.42	
	Back	1.26	1.33	1.52	0.92	1.38	1.42	1.41	1.25	1.24	
FR1 n26 Ant 0	Front	1.07	0.93	0.93	0.50	0.89	0.86	0.67	0.62	0.52	
	Back	1.26	1.33	1.52	0.92	1.21	1.24	1.24	1.08	1.07	
FR1 n26 Ant 4	Front	1.07	0.93	0.93	0.50	0.86	0.83	0.64	0.58	0.49	
	Back	1.26	1.33	1.52	0.92	1.13	1.16	1.15	0.99	0.98	
FR1 n66 Ant 1	Front	1.07	0.93	0.93	0.50	1.79	1.76	1.57	1.51	1.42	61/62
	Back	1.26	1.33	1.52	0.92	1.68	1.71	1.70	1.54	1.53	63/64/65

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	9	10	11	12
		WWAN	WLAN2.4GHz Ant 6+8 Standalone	WLAN2.4GHz Ant 6+8 WWAN+non DBS	WLAN2.4GHz Ant 6 DBS only	WLAN2.4GHz Ant 6 WWAN+DBS	WLAN5GHz Ant 5+7 Standalone	WLAN5GHz Ant 5+7 WWAN+non DBS	WLAN5GHz Ant 7 DBS only	WLAN5GHz Ant 7 WWAN+DBS	Bluetooth Ant 6	WLAN6GHz Ant 5+7	WLAN6GHz Ant 7
		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)
FR1 n66 Ant 4	Front	0.396	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.892	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n41 Ant 0	Front	0.322	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.800	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n41 Ant 1	Front	1.278	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.994	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n41 Ant 2	Front	0.555	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.598	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n41 Ant 4	Front	0.271	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.891	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n77 Part 27O HPUE Ant 3	Front	0.843	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.874	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n77 Part 27O Ant 5	Front	0.368	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.889	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n77 Part 27O Ant 7	Front	0.594	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	0.890	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184
FR1 n77 Part 27O HPUE Ant 9	Front	1.220	0.833	0.267	0.472	0.116	0.689	0.239	0.458	0.114	0.239	0.049	0.023
	Back	1.283	1.107	0.357	0.732	0.180	1.176	0.389	0.785	0.195	0.151	0.382	0.184

WWAN Band	Exposure Position	2+10	6+10	4+8	4+12	1+3+10	1+7+10	1+10+11	1+5+9	1+5+12	SPLSR
		Summed	Summed	Summed	Summed	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)	
FR1 n66 Ant 4	Front	1.07	0.93	0.93	0.50	0.90	0.87	0.68	0.63	0.54	
	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.43	1.27	1.26	
FR1 n41 Ant 0	Front	1.07	0.93	0.93	0.50	0.83	0.80	0.61	0.55	0.46	
	Back	1.26	1.33	1.52	0.92	1.31	1.34	1.33	1.18	1.16	
FR1 n41 Ant 1	Front	1.07	0.93	0.93	0.50	1.78	1.76	1.57	1.51	1.42	66/67
	Back	1.26	1.33	1.52	0.92	1.50	1.53	1.53	1.37	1.36	
FR1 n41 Ant 2	Front	1.07	0.93	0.93	0.50	1.06	1.03	0.84	0.79	0.69	



FR1 n41 Ant 4	Back	1.26	1.33	1.52	0.92	1.11	1.14	1.13	0.97	0.96	
	Front	1.07	0.93	0.93	0.50	0.78	0.75	0.56	0.50	0.41	
FR1 n77 Part 270 HPUE Ant 3	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.42	1.27	1.26	
	Front	1.07	0.93	0.93	0.50	1.35	1.32	1.13	1.07	0.98	
FR1 n77 Part 270 Ant 5	Back	1.26	1.33	1.52	0.92	1.38	1.41	1.41	1.25	1.24	
	Front	1.07	0.93	0.93	0.50	0.87	0.85	0.66	0.60	0.51	
FR1 n77 Part 270 Ant 7	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.42	1.26	1.25	
	Front	1.07	0.93	0.93	0.50	1.10	1.07	0.88	0.82	0.73	
FR1 n77 Part 270 HPUE Ant 9	Back	1.26	1.33	1.52	0.92	1.40	1.43	1.42	1.27	1.25	
	Front	1.07	0.93	0.93	0.50	1.73	1.70	1.51	1.45	1.36	68/69
	Back	1.26	1.33	1.52	0.92	1.79	1.82	1.82	1.66	1.65	70/71/72/73/74

<Sensor on>

WWAN Band	Exposure Position	1	2	3	4	1+2+3	1+2+4
		WWAN	WLAN2.4GHz Ant 6+8	WLAN5GHz Ant 5+7	WLAN6GHz Ant 5+7	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)
GSM850 Ant 0	Front	0.279	0.193	0.443	0.032	0.92	0.50
	Back	0.296	0.255	0.639	0.247	1.19	0.80
WCDMA IV Ant 1	Front	0.553	0.193	0.443	0.032	1.19	0.78
	Back	0.572	0.255	0.639	0.247	1.47	1.07
LTE Band 66 Ant 1	Front	0.568	0.193	0.443	0.032	1.20	0.79
	Back	0.615	0.255	0.639	0.247	1.51	1.12
LTE Band 66 Ant 4	Front	0.424	0.193	0.443	0.032	1.06	0.65
	Back	0.691	0.255	0.639	0.247	1.59	1.19
FR1 n66 Ant 1	Front	0.368	0.193	0.443	0.032	1.00	0.59
	Back	0.374	0.255	0.639	0.247	1.27	0.88
FR1 n66 Ant 4	Front	0.352	0.193	0.443	0.032	0.99	0.58
	Back	0.629	0.255	0.639	0.247	1.52	1.13
WCDMA II Ant 1	Front	0.382	0.193	0.443	0.032	1.02	0.61
	Back	0.440	0.255	0.639	0.247	1.33	0.94
LTE Band 25 Ant 1	Front	0.477	0.193	0.443	0.032	1.11	0.70
	Back	0.540	0.255	0.639	0.247	1.43	1.04
LTE Band 25 Ant 4	Front	0.292	0.193	0.443	0.032	0.93	0.52
	Back	0.697	0.255	0.639	0.247	1.59	1.20
FR1 n2 Ant 1	Front	0.276	0.193	0.443	0.032	0.91	0.50
	Back	0.347	0.255	0.639	0.247	1.24	0.85
FR1 n2 Ant 4	Front	0.325	0.193	0.443	0.032	0.96	0.55
	Back	0.537	0.255	0.639	0.247	1.43	1.04
LTE Band 7 Ant 1	Front	0.522	0.193	0.443	0.032	1.16	0.75
	Back	0.440	0.255	0.639	0.247	1.33	0.94
LTE Band 7 Ant 4	Front	0.294	0.193	0.443	0.032	0.93	0.52
	Back	0.596	0.255	0.639	0.247	1.49	1.10
LTE Band 41 Ant 1	Front	0.440	0.193	0.443	0.032	1.08	0.67
	Back	0.355	0.255	0.639	0.247	1.25	0.86
LTE Band 41 Ant 4	Front	0.228	0.193	0.443	0.032	0.86	0.45
	Back	0.449	0.255	0.639	0.247	1.34	0.95
FR1 n7 Ant 1	Front	0.353	0.193	0.443	0.032	0.99	0.58
	Back	0.331	0.255	0.639	0.247	1.23	0.83
FR1 n7 Ant 4	Front	0.232	0.193	0.443	0.032	0.87	0.46
	Back	0.498	0.255	0.639	0.247	1.39	1.00
FR1 n41 Ant 1	Front	0.357	0.193	0.443	0.032	0.99	0.58
	Back	0.292	0.255	0.639	0.247	1.19	0.79
FR1 n41 Ant 4	Front	0.221	0.193	0.443	0.032	0.86	0.45
	Back	0.580	0.255	0.639	0.247	1.47	1.08



LTE Band 42 Part 27Q Ant 3	Front	0.503	0.193	0.443	0.032	1.14	0.73
	Back	0.510	0.255	0.639	0.247	1.40	1.01
FR1 n77 Part 27O HPUE Ant 3	Front	0.710	0.193	0.443	0.032	1.35	0.94
	Back	0.661	0.255	0.639	0.247	1.56	1.16
FR1 n77 Part 27O Ant 5	Front	0.080	0.193	0.443	0.032	0.72	0.31
	Back	0.132	0.255	0.639	0.247	1.03	0.63
FR1 n77 Part 27O Ant 7	Front	0.292	0.193	0.443	0.032	0.93	0.52
	Back	0.487	0.255	0.639	0.247	1.38	0.99
FR1 n77 Part 27O HPUE Ant 9	Front	0.627	0.193	0.443	0.032	1.26	0.85
	Back	0.654	0.255	0.639	0.247	1.55	1.16



17.5 Product specific 10g SAR Exposure Conditions

WWAN Band	Exposure Position	1	2	3	6	7	8	9	10	11	12
		WWAN 10g SAR (W/kg)	WLAN2.4GHz Ant 6+8 Standalone 10g SAR (W/kg)	WLAN2.4GHz Ant 6+8 WWAN+non DBS 10g SAR (W/kg)	WLAN5GHz Ant 5+7 Standalone 10g SAR (W/kg)	WLAN5GHz Ant 5+7 WWAN+non DBS 10g SAR (W/kg)	WLAN5GHz Ant 7 DBS only 10g SAR (W/kg)	WLAN5GHz Ant 7 WWAN+DBS 10g SAR (W/kg)	NFC 10g SAR (W/kg)	WLAN6GHz Ant 5+7 10g SAR (W/kg)	WLAN6GHz Ant 7 10g SAR (W/kg)
GSM850 Ant 0	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	3.013	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
GSM1900 Ant 1	Front	2.968			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.668	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	1.571							0.001		
WCDMA II Ant 1	Front	3.161			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.615	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	1.672							0.001		
WCDMA IV Ant 1	Front	3.155			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	3.058	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	2.184							0.001		
LTE Band 7 Ant 1	Front	2.707			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.175	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	3.162							0.001		
LTE Band 7 Ant 4	Front	0.780			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.567	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.439			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
LTE Band 25 Ant 1	Front	3.165			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.893	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	2.377							0.001		
LTE Band 25 Ant 4	Front	1.099			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.940	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.482			3.145	0.974	0.278	0.074	0.001	0.458	0.008



	Bottom side								0.001		
LTE Band 66 Ant 1	Front	3.174			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.827	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	2.361							0.001		
LTE Band 66 Ant 4	Front	2.074			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.184	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.493			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
LTE Band 41 Ant 1	Front	2.543			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back		0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	3.172							0.001		
LTE Band 41 Ant 4	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.673	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.498			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
LTE Band 42 Part 27Q Ant 3	Front	2.168			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.402	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side	2.476			0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n2 Ant 1	Front	3.159			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.529	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	2.066							0.001		
FR1 n2 Ant 4	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.942	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.444			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n7 Ant 1	Front	2.504			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.062	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	3.155							0.001		
FR1 n7 Ant 4	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.836	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.453			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		



FR1 n66 Ant 1	Front	3.098			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.557	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	2.070							0.001		

WWAN Band	Exposure Position	2+10	6+10	8+10	12+10	1+3+10	1+7+10	1+11+10	1+9+10	1+12+10
		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)
GSM850 Ant 0	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02
	Back	0.69	1.10	0.54	0.04	3.33	3.37	3.11	3.17	3.05
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GSM1900 Ant 1	Front	0.00	1.64	1.09	0.02	2.97	3.48	3.06	3.27	2.99
	Back	0.69	1.10	0.54	0.04	2.99	3.02	2.76	2.83	2.71
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	1.57	1.57	1.57	1.57	1.57
WCDMA II Ant 1	Front	0.00	1.64	1.09	0.02	3.16	3.67	3.26	3.46	3.18
	Back	0.69	1.10	0.54	0.04	2.94	2.97	2.71	2.78	2.65
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	1.67	1.67	1.67	1.67	1.67
WCDMA IV Ant 1	Front	0.00	1.64	1.09	0.02	3.16	3.67	3.25	3.46	3.18
	Back	0.69	1.10	0.54	0.04	3.38	3.41	3.15	3.22	3.10
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	2.19	2.19	2.19	2.19	2.19
LTE Band 7 Ant 1	Front	0.00	1.64	1.09	0.02	2.71	3.22	2.80	3.01	2.73
	Back	0.69	1.10	0.54	0.04	2.50	2.53	2.27	2.34	2.21
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	3.16	3.16	3.16	3.16	3.16
LTE Band 7 Ant 4	Front	0.00	1.64	1.09	0.02	0.78	1.29	0.88	1.08	0.80
	Back	0.69	1.10	0.54	0.04	1.89	1.92	1.66	1.73	1.60
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	2.44	3.41	2.90	2.51	2.45
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 25 Ant 1	Front	0.00	1.64	1.09	0.02	3.17	3.68	3.26	3.47	3.19
	Back	0.69	1.10	0.54	0.04	3.21	3.25	2.99	3.05	2.93
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	2.38	2.38	2.38	2.38	2.38
LTE Band 25 Ant 4	Front	0.00	1.64	1.09	0.02	1.10	1.61	1.19	1.40	1.12
	Back	0.69	1.10	0.54	0.04	2.26	2.29	2.03	2.10	1.98
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00



	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	2.48	3.46	2.94	2.56	2.49
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 66 Ant 1	Front	0.00	1.64	1.09	0.02	3.18	3.68	3.27	3.48	3.20
	Back	0.69	1.10	0.54	0.04	3.15	3.18	2.92	2.99	2.86
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	2.36	2.36	2.36	2.36	2.36
LTE Band 66 Ant 4	Front	0.00	1.64	1.09	0.02	2.08	2.58	2.17	2.38	2.10
	Back	0.69	1.10	0.54	0.04	2.51	2.54	2.28	2.35	2.22
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	2.49	3.47	2.95	2.57	2.50
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 41 Ant 1	Front	0.00	1.64	1.09	0.02	2.54	3.05	2.64	2.84	2.57
	Back	0.69	1.10	0.54	0.04	0.32	0.35	0.09	0.16	0.04
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	3.17	3.17	3.17	3.17	3.17
LTE Band 41 Ant 4	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02
	Back	0.69	1.10	0.54	0.04	1.99	2.03	1.77	1.83	1.71
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	2.50	3.47	2.96	2.57	2.51
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LTE Band 42 Part 27Q Ant 3	Front	0.00	1.64	1.09	0.02	2.17	2.68	2.26	2.47	2.19
	Back	0.69	1.10	0.54	0.04	2.72	2.76	2.49	2.56	2.44
	Left side	0.00	0.27	0.01	0.00	2.48	2.74	2.49	2.49	2.48
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n2 Ant 1	Front	0.00	1.64	1.09	0.02	3.16	3.67	3.25	3.46	3.18
	Back	0.69	1.10	0.54	0.04	2.85	2.88	2.62	2.69	2.57
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	2.07	2.07	2.07	2.07	2.07
FR1 n2 Ant 4	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02
	Back	0.69	1.10	0.54	0.04	2.26	2.30	2.03	2.10	1.98
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	2.45	3.42	2.90	2.52	2.45
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n7 Ant 1	Front	0.00	1.64	1.09	0.02	2.51	3.01	2.60	2.81	2.53
	Back	0.69	1.10	0.54	0.04	2.38	2.42	2.15	2.22	2.10
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	3.16	3.16	3.16	3.16	3.16
FR1 n7 Ant 4	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02
	Back	0.69	1.10	0.54	0.04	2.16	2.19	1.93	2.00	1.87
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35



	Top side	0.00	3.15	0.28	0.01	2.45	3.43	2.91	2.53	2.46
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FR1 n66 Ant 1	Front	0.00	1.64	1.09	0.02	3.10	3.61	3.19	3.40	3.12
	Back	0.69	1.10	0.54	0.04	2.88	2.91	2.65	2.72	2.59
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01
	Bottom side	0.00	0.00	0.00	0.00	2.07	2.07	2.07	2.07	2.07

WWAN Band	Exposure Position	1	2	3	6	7	8	9	10	11	12
		WWAN	WLAN2.4GHz Ant 6+8 Standalone	WLAN2.4GHz Ant 6+8 WWAN+non DBS	WLAN5GHz Ant 5+7 Standalone	WLAN5GHz Ant 5+7 WWAN+non DBS	WLAN5GHz Ant 7 DBS only	WLAN5GHz Ant 7 WWAN+DBS	NFC	WLAN6GHz Ant 5+7	WLAN6GHz Ant 7
		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)
FR1 n66 Ant 4	Front	1.594			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.053	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.440			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n41 Ant 0	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.341	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n41 Ant 1	Front	2.602			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.072	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	3.152							0.001		
FR1 n41 Ant 2	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back		0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side	2.484			0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n41 Ant 4	Front	0.950			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.968	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.489			3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n77 Part 270 HPUE Ant 3	Front	1.936			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.361	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side	2.462			0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n77 Part 270 Ant 5	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back		0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side	2.467			3.145	0.974	0.278	0.074	0.001	0.458	0.008



	Bottom side								0.001		
FR1 n77 Part 270 Ant 7	Front	1.862			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	0.888	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side	2.454	2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
FR1 n77 Part 270 HPUE Ant 9	Front	1.733			1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.798	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side	3.174	2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side	0.949							0.001		
LTE Band 12 Ant 0	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.632	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
LTE Band 13 Ant 0	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	1.997	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
LTE Band 26 Ant 0	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.245	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		
WCDMA V Ant 0	Front				1.643	0.509	1.086	0.300	0.001	0.094	0.021
	Back	2.118	0.666	0.302	1.085	0.335	0.521	0.142	0.019	0.073	0.018
	Left side				0.267	0.267	0.012	0.012	0.001	0.013	0.002
	Right side		2.200	0.967	3.176	0.973	1.975	0.490	0.001	0.055	0.347
	Top side				3.145	0.974	0.278	0.074	0.001	0.458	0.008
	Bottom side								0.001		

WWAN Band	Exposure Position	2+10	6+10	8+10	12+10	1+3+10	1+7+10	1+11+10	1+9+10	1+12+10	SPLSR
		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)	
FR1 n66 Ant 4	Front	0.00	1.64	1.09	0.02	1.60	2.10	1.69	1.90	1.62	
	Back	0.69	1.10	0.54	0.04	2.37	2.41	2.15	2.21	2.09	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	2.44	3.42	2.90	2.52	2.45	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n41 Ant 0	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	2.66	2.70	2.43	2.50	2.38	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n41 Ant 1	Front	0.00	1.64	1.09	0.02	2.60	3.11	2.70	2.90	2.62	
	Back	0.69	1.10	0.54	0.04	2.39	2.43	2.16	2.23	2.11	



	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	3.15	3.15	3.15	3.15	3.15	
FR1 n41 Ant 2	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	0.32	0.35	0.09	0.16	0.04	
	Left side	0.00	0.27	0.01	0.00	2.49	2.75	2.50	2.50	2.49	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n41 Ant 4	Front	0.00	1.64	1.09	0.02	0.95	1.46	1.05	1.25	0.97	
	Back	0.69	1.10	0.54	0.04	2.29	2.32	2.06	2.13	2.01	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	2.49	3.46	2.95	2.56	2.50	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 270 HPUE Ant 3	Front	0.00	1.64	1.09	0.02	1.94	2.45	2.03	2.24	1.96	
	Back	0.69	1.10	0.54	0.04	2.68	2.72	2.45	2.52	2.40	
	Left side	0.00	0.27	0.01	0.00	2.46	2.73	2.48	2.48	2.47	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 270 Ant 5	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	0.32	0.35	0.09	0.16	0.04	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	2.47	3.44	2.93	2.54	2.48	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 270 Ant 7	Front	0.00	1.64	1.09	0.02	1.86	2.37	1.96	2.16	1.88	
	Back	0.69	1.10	0.54	0.04	1.21	1.24	0.98	1.05	0.93	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	3.42	3.43	2.51	2.95	2.80	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FR1 n77 Part 270 HPUE Ant 9	Front	0.00	1.64	1.09	0.02	1.73	2.24	1.83	2.03	1.76	
	Back	0.69	1.10	0.54	0.04	2.12	2.15	1.89	1.96	1.84	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	4.14	4.15	3.23	3.67	3.52	1/2
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.95	0.95	0.95	0.95	0.95	
LTE Band 12 Ant 0	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	2.95	2.99	2.72	2.79	2.67	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 13 Ant 0	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	2.32	2.35	2.09	2.16	2.03	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LTE Band 26 Ant 0	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	2.57	2.60	2.34	2.41	2.28	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	

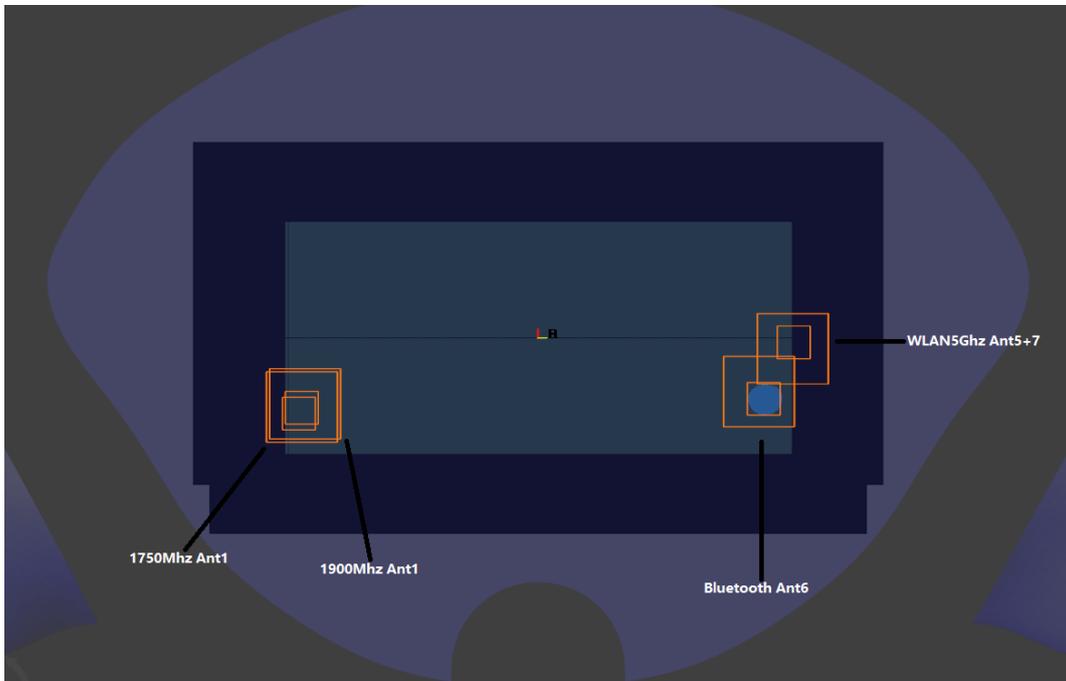


	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WCDMA V Ant 0	Front	0.00	1.64	1.09	0.02	0.00	0.51	0.10	0.30	0.02	
	Back	0.69	1.10	0.54	0.04	2.44	2.47	2.21	2.28	2.16	
	Left side	0.00	0.27	0.01	0.00	0.00	0.27	0.01	0.01	0.00	
	Right side	2.20	3.18	1.98	0.35	0.97	0.97	0.06	0.49	0.35	
	Top side	0.00	3.15	0.28	0.01	0.00	0.98	0.46	0.08	0.01	
	Bottom side	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

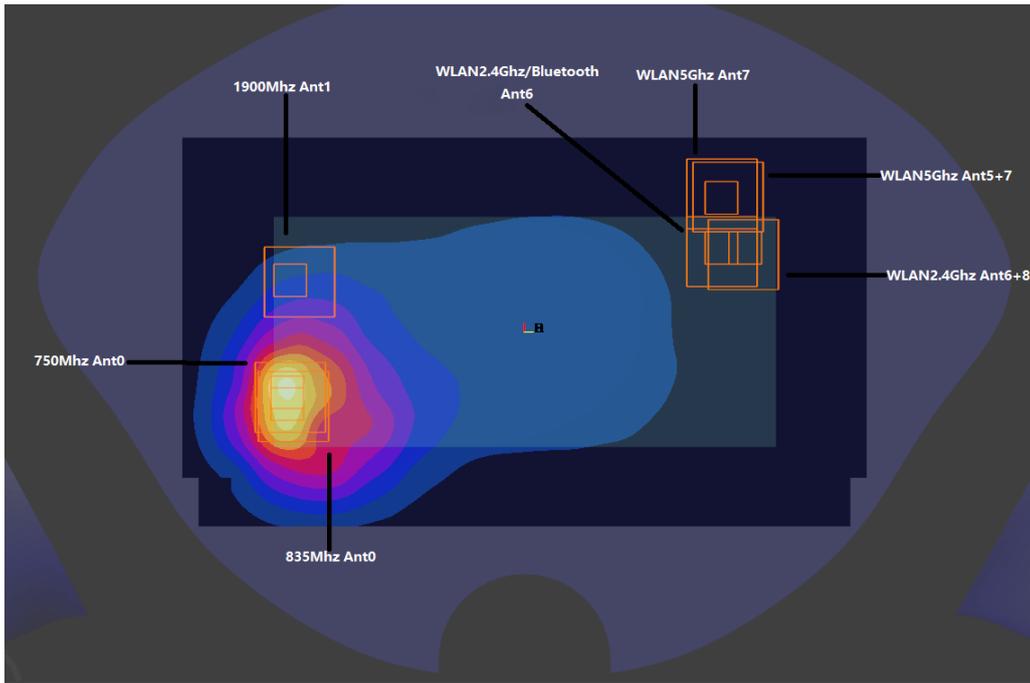
17.6 SPLSR Evaluation and Analysis

General Note:

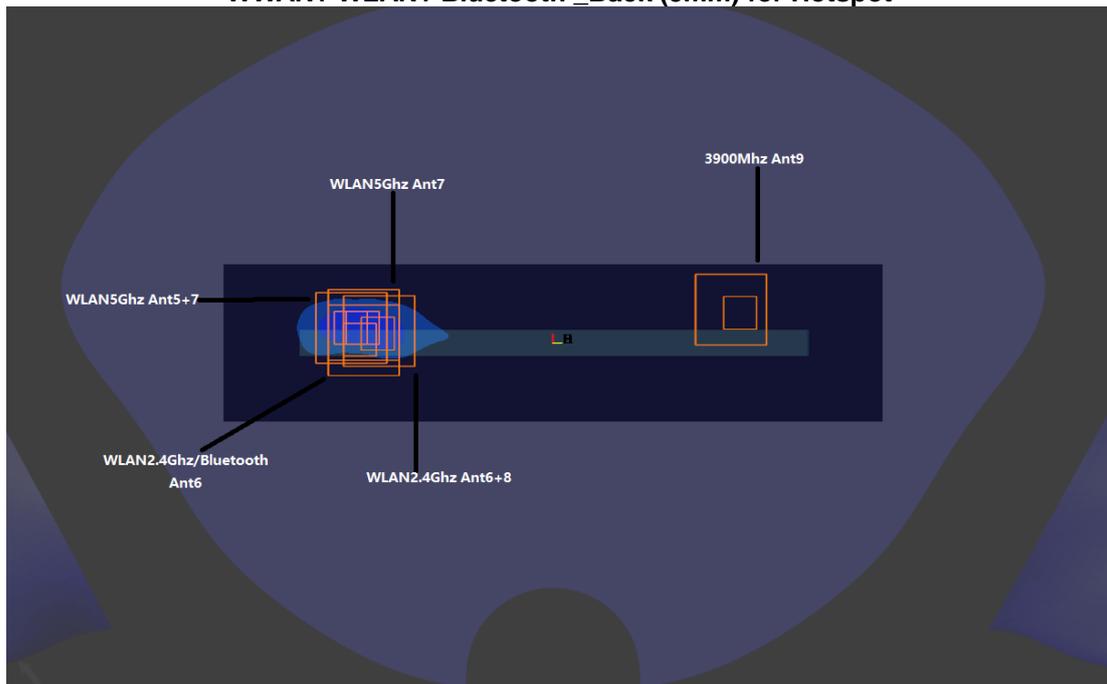
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where $(x1, y1, z1)$ and $(x2, y2, z2)$ are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR1 + SAR2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop Notes, WLAN antenna 5/7/8 was summed algebraically with the BT Antenna 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.



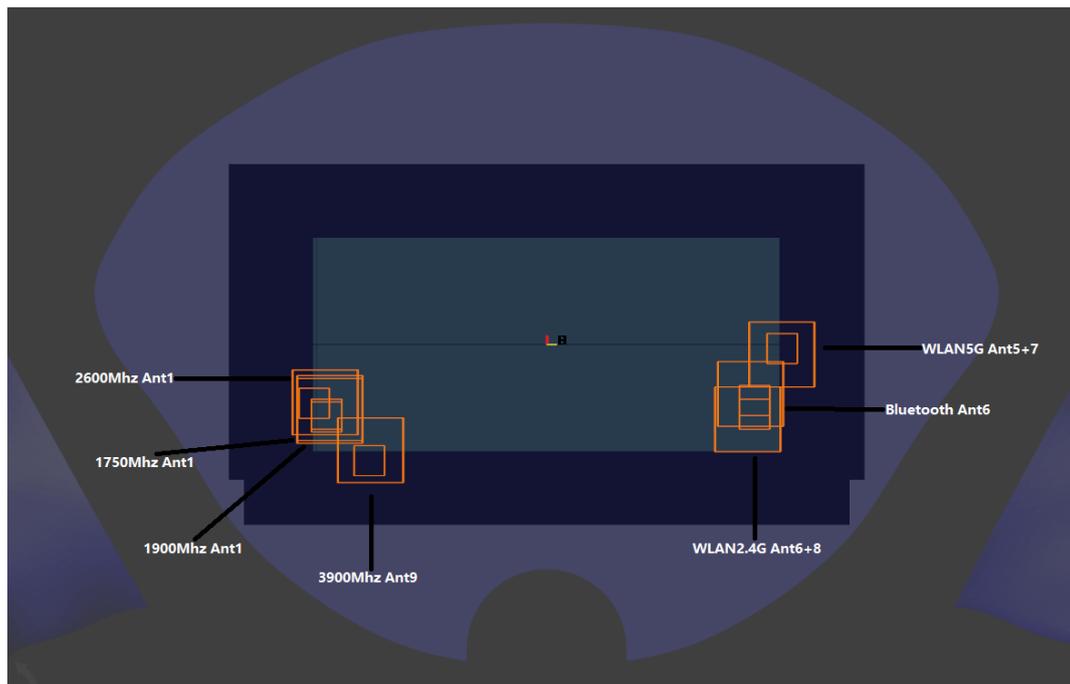
WWAN+ WLAN+ Bluetooth _Front (5mm) for Hotspot



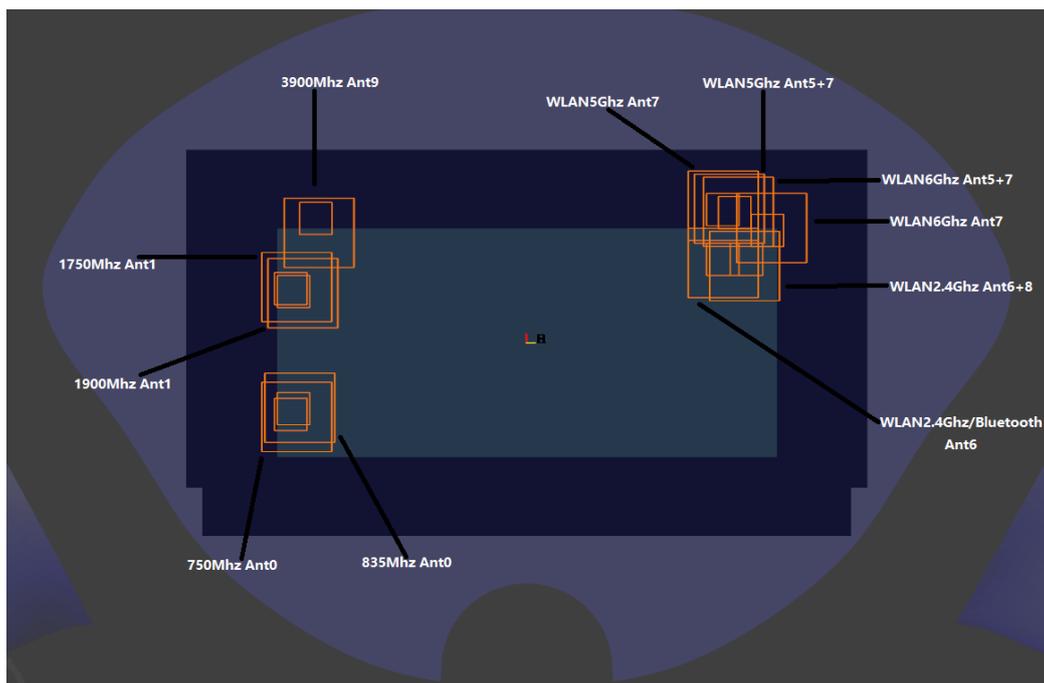
WWAN+ WLAN+ Bluetooth _Back (5mm) for Hotspot



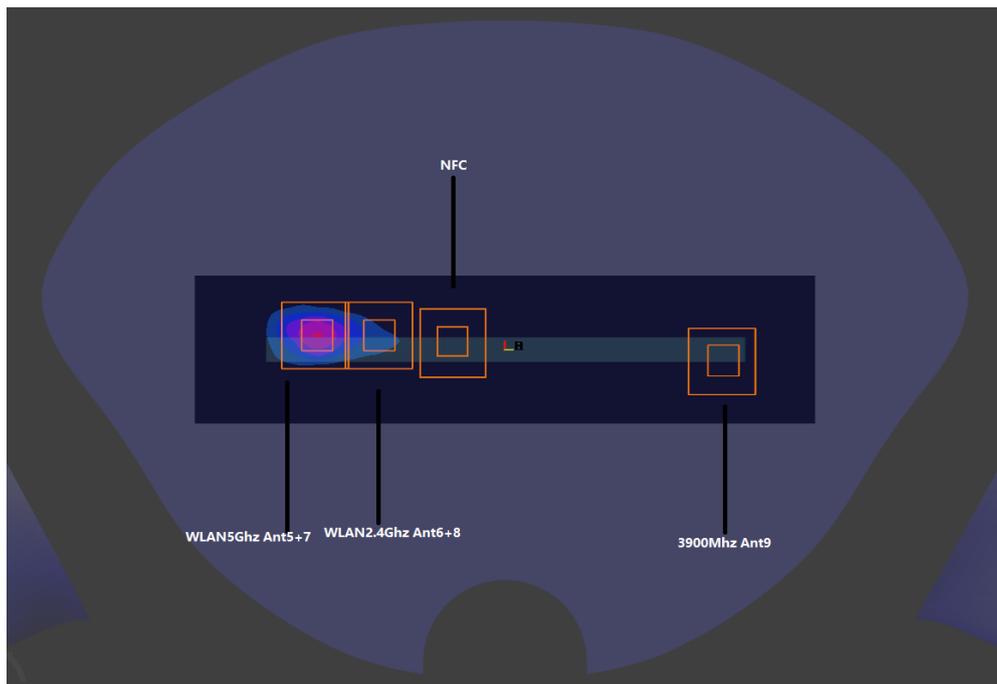
WWAN+ WLAN+ Bluetooth _Right Side (5mm) for Hotspot



WWAN+ WLAN+ Bluetooth _Front (5mm) for Body-worn



WWAN+ WLAN+ Bluetooth _Back (5mm) for Body-worn



WWAN+ WLAN+ NFC _Right Side (0mm) for Extremity



<For Hotspot>

Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	151.3	1.67	0.01	Not required
	WLAN2.4G Ant 6+8		0.309	5mm	-54	69	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 2	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	147.3	1.82	0.02	Not required
	WLAN5G Ant 5+7		0.455	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 3	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	146.4	1.76	0.02	Not required
	WLAN2.4G Ant 6		0.298	5mm	-54	69	-207				
	WLAN5G Ant 7		0.168	5mm	-64.7	58.1	-207				
Case 4	WCDMA II Ant 1	Front	1.214	5mm	-3.4	-78.1	-207	149.1	1.65	0.01	Not required
	WLAN5G Ant 5+7		0.316	5mm	-23	78	-204				
	Bluetooth Ant 6		0.119	5mm	-3.5	71	-207				
Case 5	WCDMA II Ant 1	Back	1.096	5mm	-40	-72	-204	132.5	1.63	0.02	Not required
	WLAN5G Ant 5+7		0.455	5mm	-64.7	58.1	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 6	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	149.6	1.62	0.01	Not required
	WLAN2.4G Ant 6+8		0.309	5mm	-54	69	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 7	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	145.7	1.77	0.02	Not required
	WLAN5G Ant 5+7		0.455	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 8	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	144.7	1.71	0.02	Not required
	WLAN2.4G Ant 6		0.298	5mm	-54	69	-207				
	WLAN5G Ant 7		0.168	5mm	-64.7	58.1	-207				
Case 9	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	134.9	1.61	0.02	Not required
	WLAN2.4G Ant 6+8		0.309	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 10	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	141.8	1.75	0.02	Not required
	WLAN5G Ant 5+7		0.455	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 11	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	140.9	1.69	0.02	Not required



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z					
	WLAN2.4G Ant 6		0.298	5mm	-54	69	-207				
	WLAN5G Ant 7		0.168	5mm	-64.7	58.1	-207				
Case 12	Band	Back	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			139.2	1.63	0.01	Not required
	LTE Band 13 Ant 0		1.247	5mm	-4.5	-74.3	-207				
	WLAN2.4G Ant 6+8		0.309	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 13	Band	Back	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			146.4	1.78	0.02	Not required
	LTE Band 13 Ant 0		1.247	5mm	-4.5	-74.3	-207				
	WLAN5G Ant 5+7		0.455	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 14	Band	Back	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			145.4	1.71	0.02	Not required
	LTE Band 13 Ant 0		1.247	5mm	-4.5	-74.3	-207				
	WLAN2.4G Ant 6		0.298	5mm	-54	69	-207				
	WLAN5G Ant 7		0.168	5mm	-64.7	58.1	-207				
Case 15	Band	Back	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			138.3	1.64	0.02	Not required
	LTE Band 26 Ant 0		1.257	5mm	-5.7	-73.8	-207				
	WLAN2.4G Ant 6+8		0.309	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 16	Band	Back	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			145.4	1.79	0.02	Not required
	LTE Band 26 Ant 0		1.257	5mm	-5.7	-73.8	-207				
	WLAN5G Ant 5+7		0.455	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.075	5mm	-56	67	-207				
Case 17	Band	Back	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			144.5	1.72	0.02	Not required
	LTE Band 26 Ant 0		1.257	5mm	-5.7	-73.8	-207				
	WLAN2.4G Ant 6		0.298	5mm	-54	69	-207				
	WLAN5G Ant 7		0.168	5mm	-64.7	58.1	-207				
Case 18	Band	Front	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			149.8	1.66	0.01	Not required
	LTE Band 66 Ant 1		1.228	5mm	-0.4	-78.8	-207				
	WLAN5G Ant 5+7		0.316	5mm	-23	78	-204				
	Bluetooth Ant 6		0.119	5mm	-3.5	71	-207				
Case 19	Band	Right Side	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			113.3	1.90	0.02	Not required
	FR1 n77 Ant 9		1.275	5mm	-35.3	58	-207				
	WLAN2.4G Ant 6+8		0.567	5mm	-28.2	-55	-204				
	Bluetooth Ant 6		0.053	5mm	-25.8	-60	-204				
Case 20	Band	Right Side	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			118.4	1.96	0.02	Not required
	FR1 n77 Ant 9		1.275	5mm	-35.3	58	-207				
	WLAN5G Ant 5+7		0.636	5mm	-29.8	-61	-204				
	Bluetooth Ant 6		0.053	5mm	-25.8	-60	-204				
Case 21	Band	Right Side	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			115.2	1.69	0.02	Not required
	FR1 n77 Ant 9		1.275	5mm	-35.3	58	-207				
	WLAN2.4G Ant 6		0.117	5mm	-25.8	-58	-204				
	WLAN5G Ant 7		0.297	5mm	-29.8	-57	-204				

<For Body-worn>

Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 1	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	140.1	1.80	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 2	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	147.3	1.83	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 3	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	151.3	1.82	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 4	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	146.4	1.66	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 5	GSM850 Ant 0	Back	1.289	5mm	-4.5	-75.3	-207	152.6	1.65	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN6G Ant 7		0.184	5mm	-63.4	66.6	-207				
Case 6	GSM1900 Ant 1	Front	1.281	5mm	0.1	-79.8	-207	148.9	1.79	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 7	GSM1900 Ant 1	Front	1.281	5mm	0.1	-79.8	-207	150.8	1.76	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 8	GSM1900 Ant 1	Back	1.241	5mm	-40.2	-71.8	-204	128.5	1.75	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 9	GSM1900 Ant 1	Back	1.241	5mm	-40.2	-71.8	-204	133.2	1.78	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 10	GSM1900 Ant 1	Back	1.241	5mm	-40.2	-71.8	-204	139.7	1.77	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 11	GSM1900 Ant 1	Back	1.241	5mm	-40.2	-71.8	-204	132.2	1.62	0.02	Not required



Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 12											
	GSM1900 Ant 1	Back	1.241	5mm	-40.2	-71.8	-204	140.4	1.61	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN6G Ant 7		0.184	5mm	-63.4	66.6	-207				
Case 13											
	WCDMA II Ant 1	Front	1.28	5mm	-3.4	-78.1	-207	147.1	1.79	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 14											
	WCDMA II Ant 1	Front	1.28	5mm	-3.4	-78.1	-207	149.1	1.76	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 15											
	WCDMA II Ant 1	Back	1.173	5mm	-40	-72	-204	128.7	1.68	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 16											
	WCDMA II Ant 1	Back	1.173	5mm	-40	-72	-204	133.4	1.71	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 17											
	WCDMA II Ant 1	Back	1.173	5mm	-40	-72	-204	139.9	1.71	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 18											
	WCDMA IV Ant 1	Front	1.268	5mm	-3.4	-79.1	-207	148.1	1.77	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 19											
	WCDMA IV Ant 1	Front	1.268	5mm	-3.4	-79.1	-207	150.1	1.75	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 20											
	WCDMA IV Ant 1	Back	1.146	5mm	-40	-72	-204	128.7	1.65	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 21											
	WCDMA IV Ant 1	Back	1.146	5mm	-40	-72	-204	133.4	1.69	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 22											
	WCDMA IV Ant 1	Back	1.146	5mm	-40	-72	-204	139.9	1.68	0.02	Not required



Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 23	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	138.5	1.75	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 24	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	145.7	1.78	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 25	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	149.6	1.77	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 26	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	144.7	1.62	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 27	WCDMA V Ant 0	Back	1.24	5mm	-4	-73.3	-207	150.8	1.60	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN6G Ant 7		0.184	5mm	-63.4	66.6	-207				
Case 28	LTE Band 7 Ant 1	Front	1.291	5mm	-4.5	-77.5	-207	146.5	1.80	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 29	LTE Band 7 Ant 1	Front	1.291	5mm	-4.5	-77.5	-207	148.5	1.77	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 30	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	134.9	1.73	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 31	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	141.8	1.76	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 32	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	146.1	1.75	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 33	LTE Band 12 Ant 0	Back	1.221	5mm	-10	-71.7	-207	140.9	1.60	0.01	Not required



Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 35	LTE Band 13 Ant 0	Back	1.247	5mm	-4.5	-74.3	-207	139.2	1.76	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 36	LTE Band 13 Ant 0	Back	1.247	5mm	-4.5	-74.3	-207	146.4	1.79	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 37	LTE Band 13 Ant 0	Back	1.247	5mm	-4.5	-74.3	-207	150.4	1.78	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 38	LTE Band 13 Ant 0	Back	1.247	5mm	-4.5	-74.3	-207	145.4	1.62	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 39	LTE Band 13 Ant 0	Back	1.247	5mm	-4.5	-74.3	-207	151.6	1.61	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN6G Ant 7		0.184	5mm	-63.4	66.6	-207				
Case 40	LTE Band 25 Ant 1	Front	1.272	5mm	-1.9	-78.8	-207	147.8	1.78	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 41	LTE Band 25 Ant 1	Front	1.272	5mm	-1.9	-78.8	-207	149.8	1.75	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 42	LTE Band 25 Ant 1	Back	1.131	5mm	-40	-71.6	-204	128.3	1.64	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 43	LTE Band 25 Ant 1	Back	1.131	5mm	-40	-71.6	-204	133.0	1.67	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 44	LTE Band 25 Ant 1	Back	1.131	5mm	-40	-71.6	-204	139.6	1.66	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 45	LTE Band 26 Ant 0	Back	1.257	5mm	-5.7	-73.8	-207	138.3	1.77	0.02	Not required



Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 46	LTE Band 26 Ant 0	Back	1.257	5mm	-5.7	-73.8	-207	145.4	1.80	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 47	LTE Band 26 Ant 0	Back	1.257	5mm	-5.7	-73.8	-207	149.5	1.79	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 48	LTE Band 26 Ant 0	Back	1.257	5mm	-5.7	-73.8	-207	144.5	1.63	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 49	LTE Band 26 Ant 0	Back	1.257	5mm	-5.7	-73.8	-207	150.7	1.62	0.01	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN6G Ant 7		0.184	5mm	-63.4	66.6	-207				
Case 50	LTE Band 66 Ant 1	Front	1.275	5mm	-0.4	-78.8	-207	147.9	1.78	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 51	LTE Band 66 Ant 1	Front	1.275	5mm	-0.4	-78.8	-207	149.8	1.75	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 52	LTE Band 41 Ant 1	Front	1.287	5mm	-4.5	-77.5	-207	146.5	1.79	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 53	LTE Band 41 Ant 1	Front	1.287	5mm	-4.5	-77.5	-207	148.5	1.77	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 54	FR1 n2 Ant 1	Front	1.284	5mm	-0.7	-79.3	-207	148.3	1.79	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 55	FR1 n2 Ant 1	Front	1.284	5mm	-0.7	-79.3	-207	150.3	1.76	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 56	FR1 n2 Ant 1	Back	1.197	5mm	-39.5	-71.6	-204	128.4	1.71	0.02	Not required



Case	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 57	FR1 n2 Ant 1	Back	1.197	5mm	-39.5	-71.6	-204	133.1	1.74	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 58	FR1 n2 Ant 1	Back	1.197	5mm	-39.5	-71.6	-204	139.6	1.73	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 59	FR1 n7 Ant 1	Front	1.291	5mm	-1.5	-75	-207	144.0	1.80	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 60	FR1 n7 Ant 1	Front	1.291	5mm	-1.5	-75	-207	146.0	1.77	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 61	FR1 n66 Ant 1	Front	1.283	5mm	-0.1	-79.6	-207	148.7	1.79	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 62	FR1 n66 Ant 1	Front	1.283	5mm	-0.1	-79.6	-207	150.6	1.76	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 63	FR1 n66 Ant 1	Back	1.168	5mm	-40.2	-71.4	-204	128.1	1.68	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 64	FR1 n66 Ant 1	Back	1.168	5mm	-40.2	-71.4	-204	132.8	1.71	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 65	FR1 n66 Ant 1	Back	1.168	5mm	-40.2	-71.4	-204	139.3	1.70	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 66	FR1 n41 Ant 1	Front	1.278	5mm	-2.5	-75.5	-207	144.5	1.78	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 67	FR1 n41 Ant 1	Front	1.278	5mm	-2.5	-75.5	-207	146.5	1.76	0.02	Not required



Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 68	FR1 n77 Ant 9	Front	1.22	5mm	14	-59	-204	129.1	1.73	0.02	Not required
	WLAN2.4G Ant 6+8		0.267	5mm	-3	69	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 69	FR1 n77 Ant 9	Front	1.22	5mm	14	-59	-204	131.2	1.70	0.02	Not required
	WLAN5G Ant 5+7		0.239	5mm	-23	78	-204				
	Bluetooth Ant 6		0.239	5mm	-3.5	71	-207				
Case 70	FR1 n77 Ant 9	Back	1.283	5mm	-62	-64.5	-207	120.8	1.79	0.02	Not required
	WLAN2.4G Ant 6+8		0.357	5mm	-53.5	56	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 71	FR1 n77 Ant 9	Back	1.283	5mm	-62	-64.5	-207	123.6	1.82	0.02	Not required
	WLAN5G Ant 5+7		0.389	5mm	-64.7	59.1	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 72	FR1 n77 Ant 9	Back	1.283	5mm	-62	-64.5	-207	130.5	1.82	0.02	Not required
	WLAN6G Ant 5+7		0.382	5mm	-63.6	66	-207				
	Bluetooth Ant 6		0.151	5mm	-56	67	-207				
Case 73	FR1 n77 Ant 9	Back	1.283	5mm	-62	-64.5	-207	122.6	1.66	0.02	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN5G Ant 7		0.195	5mm	-64.7	58.1	-207				
Case 74	FR1 n77 Ant 9	Back	1.283	5mm	-62	-64.5	-207	131.1	1.65	0.02	Not required
	WLAN2.4G Ant 6		0.18	5mm	-54	69	-207				
	WLAN6G Ant 7		0.184	5mm	-63.4	66.6	-207				

<For Extremity>

Case	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	FR1 n77 Ant 9	Right Side	3.174	0mm	-19.8	69.3	-207	115.4	4.14	0.07	Not required
	WLAN2.4G Ant 6+8		0.967	0mm	-28.8	-45.7	-207				
	NFC		0.001	0mm	-28	-49.6	-207				
Case 2	FR1 n77 Ant 9	Right Side	3.174	0mm	-19.8	69.3	-207	119.2	4.15	0.07	Not required
	WLAN5G Ant 5+7		0.973	0mm	-28.8	-55.7	-207				
	NFC		0.001	0mm	-28	-49.6	-207				

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18. Uncertainty Assessment

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

19. References

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- [13] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [14] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

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