



Appendix G. Supplemental Antenna Tuner Tests Results

General Note:

1. This device implements antenna tuning techniques in the several frequency band and list as below. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
2. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
3. The number of supported tune codes is different for each frequency band as shown in the following table.
4. Dynamic antenna tuning mechanism is available at Ant. 0 / 1 / 2 and for its < 3GHz LTE and NR band, details are illustrated in the operational description, all supported tuning states for each band are tested and it's verified that auto-tune state results in the highest SAR configuration.
5. For Product specific condition supplemental test results only performed required test band according part1 SAR report
6. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).

Antenna configuration	
Transmit switching diversity configuration	Support transmit antenna and band
TX 0	ANT 0: LTE B5/B12/B13/B14/B26/B71, NR n5/n12/n26/n71 ANT 2: LTE B2/B7/B25/B30/B38/B41/B66, NR n2/n7/n25/n30/n38/n41/n66
TX 1	ANT 0: LTE B2/B4/B25/B30/B66, NR n2/n25/n30/n66 ANT 1: LTE B5/B12/B13/B14/B26/B71, NR n5/n12/n26/n71

Antenna	Band	Number of tuning states
Ant0 (LB/MB/HB)	LTE B2/B25	18
	LTE B4/B66	18
	LTE B5B/26	6
	LTE B12/B17	6
	LTE B13	6
	LTE B14	6
	LTE B30	6
	LTE B71	5
	NR n2/n25	6
	NR n5/n26	6
	NR n12	6
	NR n30	6
	NR n66	6
	NR n71	5
Ant1 (LB)	LTE B5/B26	22
	LTE B12/B17	17
	LTE B13	14
	LTE B14	16
	LTE B71	11
	NR n5/n26	22
	NR n12	17
NR n71	11	
Ant2 (MB)	LTE B2/B25	82
	LTE B4/B66	49
	LTE B7	77
	LTE B30	26
	LTE B38/B41	21
	NR n2/n25	29
	NR n7	30
	NR n30	26
	NR n38/n41	8
	NR n66	18



<Supplemental Head SAR results>

Head (Ant0)	RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)											
	Band	Mode	Channel		Test Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	Default-Tuner (State)	1	2	3	4	5	6	7	8	9	10	11	12
LTE Band 12	10M_QPSK_1_0	Middle	23095	Left Cheek	0.240	0.311	2	0.300	3	1	2	3	4	5	6							
										0.226	0.300	0.295	0.158	0.292	0.157							
LTE Band 13	10M_QPSK_1_0	Middle	23230	Left Cheek	0.397	0.483	6	0.510	6	1	2	3	4	5	6							
										0.412	0.471	0.368	0.503	0.390	0.510							
LTE Band 14	10M_QPSK_1_0	Middle	23330	Left Cheek	0.452	0.499	4	0.583	3	1	2	3	4	5	6							
										0.481	0.581	0.531	0.583	0.435	0.406							
LTE Band 25	20M_QPSK_1_0	High	26590	Left Cheek	0.118	0.164	6	0.181	3	1	2	3	4	5	6	7	8	9	10	11	12	
										0.117	0.149	0.012	0.168	0.114	0.181	0.117	0.166	0.012	0.165	0.166	0.115	
										13	14	15	16	17	18							
										0.101	0.148	0.012	0.165	0.166	0.117							
LTE Band 26	15M_QPSK_1_0	Middle	26865	Left Cheek	0.398	0.485	2	0.540	1	1	2	3	4	5	6							
										0.450	0.540	0.482	0.478	0.538	0.476							
LTE Band 30	10M_QPSK_1_0	Middle	27710	Left Cheek	0.069	0.103	3	0.122	1	1	2	3	4	5	6							
										0.080	0.108	0.122	0.051	0.009	0.084							
LTE Band 66	20M_QPSK_1_0	Middle	132322	Right Cheek	0.163	0.200	14	0.257	1	1	2	3	4	5	6	7	8	9	10	11	12	
										0.004	0.255	0.124	0.248	0.230	0.221	0.003	0.254	0.063	0.213	0.161	0.255	
										13	14	15	16	17	18							
LTE Band 71	20M_QPSK_1_0	Middle	133297	Left Cheek	0.274	0.329	1	0.349	1	1	2	3	4	5								
										0.349	0.324	0.348	0.176	0.343								
FR1 n12	15M_BPSK_1_1	Middle	141500	Left Cheek	0.312	0.379	2	0.393	3	1	2	3	4	5	6							
										0.304	0.393	0.384	0.230	0.385	0.231							
FR1 n25	40M_BPSK_1_108	Middle	376500	Left Cheek	0.115	0.136	2	0.170	4	1	2	3	4	5	6							
										0.103	0.170	0.034	0.151	0.168	0.119							
FR1 n26	20M_BPSK_1_1	Middle	166300	Left Cheek	0.437	0.538	5	0.575	5	1	2	3	4	5	6							
										0.458	0.566	0.475	0.473	0.575	0.475							
FR1 n30	10M_BPSK_1_26	Middle	462000	Left Cheek	0.132	0.158	3	0.216	1	1	2	3	4	5	6							
										0.163	0.198	0.216	0.130	0.045	0.162							
FR1 n66	40M_BPSK_1_108	Middle	349000	Right Cheek	0.175	0.197	2	0.264	4	1	2	3	4	5	6							
										0.005	0.264	0.097	0.231	0.182	0.260							
FR1 n71	20M_BPSK_1_1	Middle	136100	Left Cheek	0.266	0.332	3	0.356	3	1	2	3	4	5								
										0.353	0.329	0.356	0.188	0.352								



	RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)													
	Band	Mode	Channel	Test Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	Default-Tuner (State)		1	2	3	4	5	6	7	8	9	10	11	12		
Head (Ant1)	LTE Band 12	10M_QPSK_1_0	Middle	23095	Right Tilted	0.686	0.980	1	2.150	4	1	2	3	4	5	6	7	8	9	10	11	12		
											2.150	2.100	1.850	2.090	1.700	1.770	1.800	2.110	2.100	1.090	1.310	1.640		
											13	14	15	16	17									
											0.096	0.202	0.902	2.130	2.130									
	LTE Band 13	10M_QPSK_1_0	Middle	23230	Right Cheek	0.675	0.830	14	1.730	3	1	2	3	4	5	6	7	8	9	10	11	12		
											1.620	1.660	1.320	1.630	1.290	1.340	1.660	1.680	1.660	1.720	1.710	1.690		
											13	14												
											1.710	1.730												
	LTE Band 14	10M_QPSK_1_0	Middle	23330	Right Cheek	0.565	0.822	12	1.320	8	1	2	3	4	5	6	7	8	9	10	11	12		
											1.150	1.160	1.140	0.847	1.150	1.140	1.030	0.794	0.807	0.842	1.130	1.320		
13											14	15	16											
										1.150	1.150	0.981	0.805											
LTE Band 26	15M_QPSK_1_0	Middle	26865	Right Cheek	0.597	0.817	4	1.880	5	1	2	3	4	5	6	7	8	9	10	11	12			
										1.860	1.740	1.570	1.880	1.580	1.280	1.540	1.830	1.400	0.894	1.250	1.420			
										13	14	15	16	17	18	19	20	21	22					
										1.540	0.265	0.930	1.030	1.280	0.394	0.688	0.973	0.423	0.810					
LTE Band 71	20M_QPSK_1_0	Middle	133297	Right Tilted	0.687	0.984	1	2.340	2	1	2	3	4	5	6	7	8	9	10	11	12			
										2.340	2.310	2.310	2.310	2.300	2.110	1.160	2.320	0.176	1.320	2.270				
FR1 n12	15M_BPSK_1_1	Middle	141500	Right Cheek	0.622	0.926	16	1.720	4	1	2	3	4	5	6	7	8	9	10	11	12			
										1.710	1.700	1.450	1.710	1.300	1.400	1.460	1.710	1.710	0.823	1.010	1.260			
										13	14	15	16	17										
										0.071	0.140	0.600	1.720	1.710										
FR1 n26	20M_BPSK_1_1	Middle	166300	Right Cheek	0.637	0.778	1	2.090	4	1	2	3	4	5	6	7	8	9	10	11	12			
										2.090	1.980	1.780	2.090	1.820	1.480	1.770	2.030	1.630	1.060	1.440	1.630			
										13	14	15	16	17	18	19	20	21	22					
										1.750	0.467	1.140	1.240	1.500	0.603	0.902	1.190	0.629	1.020					
FR1 n71	20M_BPSK_1_53	Middle	136100	Right Cheek	0.792	0.941	2	2.170	2	1	2	3	4	5	6	7	8	9	10	11	12			
										2.160	2.170	2.160	2.160	2.150	1.960	1.210	2.130	0.236	1.370	2.090				



RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)																								
Band	Mode	Channel	Test Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	Default-Tuner (State)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
LTE Band 7	20M_QPSK_1_0	Low	20850	Right Cheek	0.658	0.798	1	1.170	6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										1.170	0.675	0.986	0.717	0.519	0.923	0.611	0.497	0.614	0.434	1.140	0.464	0.370	0.433	0.514	0.351	0.286	0.649	0.889	1.130	1.000	0.307	0.288	0.325	
										25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
										0.349	0.197	0.771	1.120	0.608	0.870	0.377	0.415	0.966	0.878	0.775	0.688	0.334	0.956	1.140	0.586	0.559	0.552	0.566	0.577	0.274	0.929	1.160	0.880	
										49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	
										0.290	0.269	0.478	0.421	0.503	0.458	0.211	0.185	1.060	0.944	0.954	1.040	0.877	0.848	0.989	0.993	0.808	0.677	1.060	0.811	0.682	0.704	0.969	1.170	
										73	74	75	76	77																				
1.140	1.030	1.000	0.881	0.721																														
LTE Band 25	20M_QPSK_1_0	High	26590	Right Cheek	0.775	0.923	1	1.200	13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										1.200	0.722	0.519	0.888	0.520	0.496	1.150	1.160	0.843	0.483	0.397	0.460	0.476	0.790	0.566	0.513	0.363	0.321	0.339	0.446	0.412	0.214	0.231	0.451	
										25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
										0.551	0.517	0.331	0.263	0.271	0.488	1.140	0.735	0.517	0.890	0.520	0.494	1.140	1.180	0.869	0.485	0.397	0.444	0.510	0.701	0.580	0.568	0.357	0.331	
										49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	
										0.348	0.442	0.422	0.241	0.252	0.464	0.088	1.170	0.519	0.267	0.268	1.130	0.708	0.514	0.949	0.818	0.621	0.777	1.150	0.861	0.834	0.629	0.426	0.444	
										73	74	75	76	77	78	79	80	81	82															
0.465	0.891	0.853	0.824	0.311	0.247	0.462	0.798	0.833	0.827																									
LTE Band 30	10M_QPSK_1_0	Middle	27710	Right Cheek	0.508	0.647	20	0.860	8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										0.807	0.478	0.636	0.300	0.336	0.521	0.663	0.262	0.388	0.395	0.543	0.704	0.138	0.221	0.207	0.230	0.292	0.344	0.618	0.860	0.729	0.547	0.519	0.573	
										25	26																							
0.559	0.555																																	
LTE Band 41	20M_QPSK_1_0	Low	39750	Right Cheek	0.690	0.905	1	1.480	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21				
										1.480	1.170	1.240	0.854	1.060	1.440	1.440	1.430	1.220	1.190	1.200	0.909	1.100	1.190	1.180	1.200	1.220	1.200	0.932	0.813	1.200				
LTE Band 66	20M_QPSK_1_0	High	132572	Right Cheek	0.668	0.818	14	1.030	14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										0.951	0.769	0.950	0.806	0.548	0.907	1.020	0.948	0.763	0.606	0.503	0.499	0.773	1.030	1.020	0.720	0.545	0.507	0.810	0.564	0.952	0.759	0.854	0.721	
										25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
										0.525	0.779	0.959	0.974	0.636	0.507	0.499	0.833	0.618	0.543	0.504	0.531	0.696	0.512	0.934	0.786	1.030	0.947	0.791	0.986	0.841	0.790	0.979	0.795	
										49																								
0.814																																		
FR1 n7	50M_BPSK_1_1	Middle	507000	Right Cheek	0.649	0.917	30	1.100	19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										1.050	0.656	0.908	0.414	0.448	1.000	0.907	0.802	0.709	0.367	0.990	1.070	0.625	0.591	0.582	0.587	0.597	0.297	0.981	1.080	0.917	0.324	0.298	0.508	
										25	26	27	28	29	30																			
0.449	0.522	0.480	0.233	0.205	1.100																													
FR1 n25	40M_BPSK_1_1	Middle	376500	Right Cheek	0.603	0.810	26	1.190	14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										1.100	0.691	0.464	0.855	0.525	0.465	1.050	1.070	0.955	0.473	0.372	0.398	0.396	0.482	0.768	0.695	0.447	0.313	0.327	0.394	0.358	0.169	0.158	0.294	
										25	26	27	28	29																				
0.060	1.190	0.515	0.246	0.250																														
FR1 n30	10M_BPSK_1_1	Middle	462000	Right Cheek	0.539	0.677	20	0.881	19	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
										0.798	0.498	0.715	0.384	0.372	0.516	0.729	0.304	0.438	0.408	0.551	0.670	0.222	0.311	0.259	0.268	0.322	0.368	0.608	0.881	0.848	0.342	0.300	0.377	
										25	26																							
0.589	0.569																																	
FR1 n66	40M_BPSK_1_1	Middle	349000	Right Cheek	0.572	0.705	7	0.894	6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18							
										0.891	0.837	0.872	0.858	0.708	0.835	0.894	0.891	0.805	0.678	0.652	0.866	0.791	0.794	0.644	0.692	0.828	0.833							
FR1 n41	100M_BPSK_135_0	Middle	518598	Right Cheek	0.583	0.812	2	1.040	3	1	2	3	4	5	6	7	8																	
										1.010	1.040	1.010	0.784	0.976	1.010	1.010	0.960																	



<Supplemental Body SAR results>

Band	Mode	RF exposure position		Test Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	Default-Tuner (State)	Average Value of Time Sweep Single Point SAR (W/kg)												
		Channel								1	2	3	4	5	6	7	8	9	10	11	12	
LTE Band 12	10M_QPSK_1_0	Middle	23095	Bottom Side	0.418	0.542	3	0.894	3	1	2	3	4	5	6							
										0.557	0.861	0.894	0.555	0.565	0.558							
LTE Band 13	10M_QPSK_1_0	Middle	23230	Left Side	0.696	0.704	2	1.080	6	1	2	3	4	5	6							
										0.943	1.080	0.858	0.859	0.939	1.030							
LTE Band 14	10M_QPSK_1_0	Middle	23330	Left Side	0.631	0.635	6	1.510	3	1	2	3	4	5	6							
										1.400	1.500	1.320	1.320	1.400	1.510							
LTE Band 25	20M_QPSK_1_0	Middle	26340	Bottom Side	0.655	0.844	11	1.180	3	1	2	3	4	5	6	7	8	9	10	11	12	
										0.961	1.160	0.096	0.896	0.923	1.170	0.943	1.170	0.096	0.708	1.180	0.835	
										13	14	15	16	17	18							
										0.800	1.160	0.074	0.711	1.150	0.899							
LTE Band 26	15M_QPSK_1_0	Middle	26865	Bottom Side	0.589	0.718	2	1.250	1	1	2	3	4	5	6							
										1.060	1.250	1.020	1.030	1.240	1.030							
LTE Band 30	10M_QPSK_1_0	Middle	27710	Front	0.763	0.994	3	1.470	1	1	2	3	4	5	6							
										1.010	1.460	1.470	0.659	0.289	1.100							
LTE Band 66	20M_QPSK_1_0	Low	132072	Bottom Side	0.544	0.683	4	1.000	1	1	2	3	4	5	6	7	8	9	10	11	12	
										0.103	0.796	0.811	1.000	0.802	0.886	0.084	0.957	0.819	0.819	0.792	0.960	
										13	14	15	16	17	18							
										0.805	0.960	0.812	0.088	0.716	0.783							
LTE Band 71	20M_QPSK_1_0	Middle	133297	Back	0.417	0.500	1	0.809	1	1	2	3	4	5								
										0.809	0.717	0.808	0.345	0.797								
FR1 n12	15M_BPSK_1_1	Middle	141500	Back	0.408	0.495	5	0.812	3	1	2	3	4	5	6							
										0.469	0.807	0.810	0.314	0.812	0.314							
FR1 n25	40M_BPSK_1_108	Middle	376500	Bottom Side	0.846	0.846	2	1.580	4	1	2	3	4	5	6							
										1.260	1.580	0.120	1.010	1.570	1.130							
FR1 n26	20M_BPSK_1_1	Middle	166300	Bottom Side	0.704	0.790	2	1.580	5	1	2	3	4	5	6							
										1.330	1.580	1.270	1.270	1.570	1.270							
FR1 n30	10M_BPSK_1_26	Middle	462000	Bottom Side	0.641	0.833	3	1.290	1	1	2	3	4	5	6							
										0.769	1.270	1.290	0.462	0.088	0.862							
FR1 n66	40M_BPSK_108_0	Middle	349000	Bottom Side	0.749	0.810	2	1.410	4	1	2	3	4	5	6							
										0.171	1.410	1.340	1.200	1.290	1.400							
FR1 n71	20M_BPSK_1_1	Middle	136100	Left Side	0.499	0.622	3	0.812	3	1	2	3	4	5								
										0.810	0.702	0.812	0.491	0.806								



RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)																			
Band	Mode	Channel	Test Position	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	Default-Tuner (State)		1	2	3	4	5	6	7	8	9	10	11	12								
Body (Ant1)	LTE Band 12	10M_QPSK_1_0	Middle	23095	Front	0.212	0.254	4	0.285	4	0.278	0.248	0.270	0.285	0.255	0.278	0.282	0.280	0.284	0.278	0.252	0.250							
											13	14	15	16	17														
											0.250	0.252	0.250	0.235	0.262														
	LTE Band 13	10M_QPSK_1_0	Middle	23230	Back	0.330	0.371	7	0.578	3	0.575	0.550	0.574	0.510	0.524	0.530	0.578	0.507	0.492	0.501	0.539	0.521							
											13	14																	
											0.533	0.575																	
	LTE Band 14	10M_QPSK_1_0	Middle	23330	Back	0.373	0.389	7	0.669	8	0.630	0.605	0.608	0.490	0.616	0.610	0.669	0.482	0.481	0.490	0.614	0.536							
											13	14	15	16															
											0.611	0.608	0.663	0.478															
	LTE Band 26	15M_QPSK_1_0	Middle	26865	Back	0.376	0.425	10	0.688	5	0.615	0.617	0.614	0.639	0.687	0.632	0.630	0.633	0.656	0.688	0.687	0.636							
											13	14	15	16	17	18	19	20	21	22									
											0.626	0.635	0.627	0.599	0.605	0.653	0.668	0.682	0.681	0.633									
LTE Band 71	20M_QPSK_1_0	Middle	133297	Back	0.195	0.223	8	0.276	2	0.259	0.263	0.269	0.251	0.265	0.241	0.242	0.276	0.012	0.121	0.269									
										1	2	3	4	5	6	7	8	9	10	11	12								
										0.362	0.347	0.418	0.349	0.425	0.421	0.416	0.347	0.347	0.380	0.409	0.427								
FR1 n12	15M_BPSK_1_77	Middle	141500	Back	0.227	0.241	12	0.427	4	0.032	0.067	0.302	0.349	0.347															
										1	2	3	4	5	6	7	8	9	10	11	12								
										0.758	0.757	0.605	0.769	0.745	0.535	0.599	0.762	0.717	0.429	0.523	0.565								
FR1 n26	20M_BPSK_1_104	Middle	166300	Back	0.417	0.446	4	0.769	4	0.593	0.268	0.584	0.620	0.689	0.284	0.382	0.462	0.353	0.538										
										1	2	3	4	5	6	7	8	9	10	11	12								
										0.408	0.414	0.421	0.369	0.416	0.413	0.235	0.431	0.070	0.271	0.432									
FR1 n71	20M_BPSK_1_53	Middle	136100	Left Side	0.271	0.280	11	0.432	2	0.408	0.414	0.421	0.369	0.416	0.413	0.235	0.431	0.070	0.271	0.432									
										1	2	3	4	5	6	7	8	9	10	11	12								
										0.408	0.414	0.421	0.369	0.416	0.413	0.235	0.431	0.070	0.271	0.432									



<Supplemental Product Specific SAR results>

Body (Ant0)	RF exposure position										Average Value of Time Sweep Single Point SAR (W/kg)																							
	Band	Mode	Channel		Test Position	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Auto-Tuner (State)	Auto-Tuner Single Point SAR (W/kg)	Default-Tuner (State)																								
													1	2	3	4	5	6	7	8	9	10	11	12										
LTE Band 25	20M_QPSK_1_0	Middle	26340	Bottom Side	2.040	2.436	11	12.270	3																									
										9.990	12.060	1.000	9.320	9.600	12.170	9.810	12.170	1.000	7.360	12.270	8.680													
										13	14	15	16	17	18																			
												8.320	12.060	0.770	7.390	11.960	9.350																	
LTE Band 30	10M_QPSK_1_0	Middle	27710	Bottom Side	1.420	1.850	3	9.310	1																									
										1	2	3	4	5	6																			
										6.390	9.240	9.310	4.170	1.830	6.960																			
LTE Band 66	20M_QPSK_1_0	Low	132072	Bottom Side	0.733	1.133	4	5.500	1																									
										1	2	3	4	5	6	7	8	9	10	11	12													
										0.571	4.380	4.460	5.500	4.410	4.870	0.463	5.260	4.500	4.500	4.360	5.280													
												4.430	5.280	4.470	0.485	3.940	4.310																	
FR1 n30	10M_BPSK_1_26	Middle	462000	Bottom Side	1.040	1.514	3	8.130	1																									
										1	2	3	4	5	6																			
										4.840	8.000	8.130	2.910	0.552	5.430																			
FR1 n66	40M_BPSK_108_0	Middle	349000	Bottom Side	0.713	0.953	2	4.940	4																									
										1	2	3	4	5	6																			
										0.599	4.940	4.690	4.200	4.520	4.900																			



Appendix G. Supplemental SAR Tests Results

SAR test result

- 1. The test data is selected according to the worst case SAR configuration per cellular technology.
2. The test data is to demonstrate the device is in compliance with FCC requirements at 25mm when all power reduction mechanisms are OFF. The worst case body SAR at 10mm was used for simultaneous transmission SAR analysis since they are more conservative than the 25mm SAR.

Table with 16 columns: Band, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power Drift (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg). Rows include GSM1900_Ant 0, WCDMA II_Ant 0, LTE Band 25_Ant 0, FR1 n25_Ant 0, WLAN2.4GHz, WLAN5GHz, and Bluetooth.