

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	18900/1880	20M QPSK 1RB#99	0.046	0.026	0.12	16.40	17.70	0.062	Battery 1#	/
Back Side	10mm	18900/1880	20M QPSK 1RB#99	0.074	0.040	0.19	16.40	17.70	0.099	Battery 1#	/
Left Side	10mm	18900/1880	20M QPSK 1RB#99	0.021	0.011	0.12	16.40	17.70	0.029	Battery 1#	/
Top Side	10mm	18900/1880	20M QPSK 1RB#99	0.102	0.055	0.02	16.40	17.70	0.138	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#25	0.052	0.029	-0.07	16.68	17.70	0.066	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#25	0.098	0.053	-0.14	16.68	17.70	0.124	Battery 1#	/
Left Side	10mm	18700/1860	20M QPSK 50%RB#25	0.022	0.012	0.15	16.68	17.70	0.027	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.134	0.072	-0.07	16.68	17.70	0.169	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.135	0.073	0.17	16.68	17.70	0.171	Battery 2#	/
Top Side	10mm	18900/1880	20M QPSK 50%RB#0	0.113	0.060	0.13	16.54	17.70	0.148	Battery 2#	/
Top Side	10mm	19100/1900	20M QPSK 50%RB#50	0.092	0.049	0.11	16.59	17.70	0.119	Battery 2#	/
Main Antenna											
Front Side	10mm	19100/1900	20M QPSK 1RB#99	0.217	0.124	-0.18	21.33	22.70	0.297	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 1RB#99	0.283	0.182	-0.04	21.33	22.70	0.388	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 1RB#99	0.140	0.077	0.18	21.33	22.70	0.192	Battery 1#	/
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.459	0.260	0.04	21.33	22.70	0.629	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#50	0.221	0.136	-0.08	21.58	22.70	0.286	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#50	0.323	0.209	-0.19	21.58	22.70	0.418	Battery 1#	/
Right Side	10mm	18700/1860	20M QPSK 50%RB#50	0.150	0.082	0.09	21.58	22.70	0.194	Battery 1#	/
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#50	0.489	0.280	-0.17	21.58	22.70	0.633	Battery 1#	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.473	0.269	-0.05	21.33	22.70	0.648	Battery 2#	/
Bottom Side	10mm	18700/1860	20M QPSK 1RB#99	0.420	0.236	-0.13	21.20	22.70	0.593	Battery 1#	/
Bottom Side	10mm	18900/1880	20M QPSK 1RB#99	0.415	0.232	-0.11	21.32	22.70	0.570	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.158	0.085	0.00	16.68	17.70	0.200	Battery 2#	Yes
Main Antenna											
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.173	0.097	0.01	21.33	22.70	0.237	Battery 2#	/

Table 159: Hotspot SAR test results of LTE Band 2

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	18900/1880	20M QPSK 1RB#99	0.046	0.026	0.12	16.40	21.70	0.156	Yes
Back Side	10mm	18900/1880	20M QPSK 1RB#99	0.074	0.040	0.19	16.40	21.70	0.250	Yes
Left Side	10mm	18900/1880	20M QPSK 1RB#99	0.021	0.011	0.12	16.40	21.70	0.072	Yes
Top Side	10mm	18900/1880	20M QPSK 1RB#99	0.102	0.055	0.02	16.40	21.70	0.346	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#25	0.052	0.029	-0.07	16.68	21.70	0.165	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#25	0.098	0.053	-0.14	16.68	21.70	0.312	Yes
Left Side	10mm	18700/1860	20M QPSK 50%RB#25	0.022	0.012	0.15	16.68	21.70	0.068	Yes
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.134	0.072	-0.07	16.68	21.70	0.426	Yes
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.135	0.073	0.17	16.68	21.70	0.429	Yes
Top Side	10mm	18900/1880	20M QPSK 50%RB#0	0.113	0.060	0.13	16.54	21.70	0.371	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#50	0.092	0.049	0.11	16.59	21.70	0.298	Yes
Main Antenna										
Front Side	10mm	19100/1900	20M QPSK 1RB#99	0.217	0.124	-0.18	21.33	24.70	0.471	Yes
Back Side	10mm	19100/1900	20M QPSK 1RB#99	0.283	0.182	-0.04	21.33	24.70	0.615	Yes
Right Side	10mm	19100/1900	20M QPSK 1RB#99	0.140	0.077	0.18	21.33	24.70	0.304	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.459	0.260	0.04	21.33	24.70	0.997	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#50	0.221	0.136	-0.08	21.58	23.70	0.360	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#50	0.323	0.209	-0.19	21.58	23.70	0.526	Yes
Right Side	10mm	18700/1860	20M QPSK 50%RB#50	0.150	0.082	0.09	21.58	23.70	0.244	Yes
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#50	0.489	0.280	-0.17	21.58	23.70	0.797	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.473	0.269	-0.05	21.33	24.70	1.028	Yes
Bottom Side	10mm	18700/1860	20M QPSK 1RB#99	0.420	0.236	-0.13	21.20	24.70	0.940	Yes
Bottom Side	10mm	18900/1880	20M QPSK 1RB#99	0.415	0.232	-0.11	21.32	24.70	0.904	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.158	0.085	0.00	16.68	21.70	0.502	Yes
Main Antenna										
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.173	0.097	0.01	21.33	24.70	0.376	Yes

Table 160: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.7 SAR measurement Result of LTE Band 4

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	20050/1720	20M QPSK 1RB#0	0.168	0.083	-0.17	14.24	15.20	0.210	Battery 1#	/
Left tilt	20050/1720	20M QPSK 1RB#0	0.200	0.106	-0.18	14.24	15.20	0.249	Battery 1#	/
Right cheek	20050/1720	20M QPSK 1RB#0	0.191	0.096	0.04	14.24	15.20	0.238	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.174	0.087	0.16	14.24	15.20	0.217	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.180	0.089	0.11	14.45	15.20	0.214	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.222	0.109	0.07	14.45	15.20	0.264	Battery 1#	Yes
Right cheek	20050/1720	20M QPSK 50%RB#0	0.209	0.105	0.18	14.45	15.20	0.248	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.176	0.089	0.10	14.45	15.20	0.209	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.150	0.075	0.18	14.45	15.20	0.178	Battery 2#	/
Left tilt	20175/1732.5	20M QPSK 50%RB#50	0.188	0.094	0.08	14.43	15.20	0.224	Battery 1#	/
Left tilt	20300/1745	20M QPSK 50%RB#50	0.198	0.097	0.18	14.25	15.20	0.246	Battery 1#	/
Main Antenna										
Left cheek	20300/1745	20M QPSK 1RB#99	0.217	0.139	0.19	24.13	25.20	0.278	Battery 1#	/
Left tilt	20300/1745	20M QPSK 1RB#99	0.122	0.071	0.03	24.13	25.20	0.156	Battery 1#	/
Right cheek	20300/1745	20M QPSK 1RB#99	0.158	0.097	0.10	24.13	25.20	0.202	Battery 1#	/
Right tilt	20300/1745	20M QPSK 1RB#99	0.112	0.065	0.05	24.13	25.20	0.143	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.189	0.121	0.15	23.31	24.20	0.232	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.093	0.053	0.06	23.31	24.20	0.114	Battery 1#	/
Right cheek	20050/1720	20M QPSK 50%RB#0	0.149	0.097	0.07	23.31	24.20	0.183	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.108	0.069	0.02	23.31	24.20	0.133	Battery 1#	/
Left cheek	20300/1745	20M QPSK 1RB#99	0.191	0.125	-0.03	24.13	25.20	0.244	Battery 2#	/
Left cheek	20050/1720	20M QPSK 1RB#50	0.244	0.156	-0.03	23.92	25.20	0.328	Battery 1#	Yes
Left cheek	20175/1732.5	20M QPSK 1RB#0	0.241	0.155	0.06	23.96	25.20	0.321	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left tilt	20050/1720	20M QPSK 50%RB#0	0.172	0.084	0.12	14.45	15.20	0.204	Battery 1#	/
Main Antenna										
Left cheek	20050/1720	20M QPSK 1RB#50	0.136	0.068	0.19	23.92	25.20	0.183	Battery 1#	/

Table 161: Head SAR test results of LTE Band 4

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.111	0.068	0.00	21.20	22.20	0.140	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.202	0.119	0.05	21.20	22.20	0.254	Battery 1#	/
Front Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.126	0.077	0.12	21.45	22.20	0.150	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.227	0.134	0.18	21.45	22.20	0.270	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.207	0.123	0.12	21.45	22.20	0.246	Battery 2#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.240	0.143	-0.14	21.35	22.20	0.292	Battery 1#	Yes
Back Side	15mm	20300/1745	20M QPSK 50%RB#50	0.225	0.133	-0.10	21.32	22.20	0.276	Battery 1#	/
Main Antenna											
Front Side	15mm	20300/1745	20M QPSK 1RB#99	0.299	0.200	-0.13	24.13	25.20	0.383	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	0.404	0.266	-0.12	24.13	25.20	0.517	Battery 1#	/
Front Side	15mm	20050/1720	20M QPSK 50%RB#0	0.273	0.180	-0.12	23.31	24.20	0.335	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.368	0.244	-0.19	23.31	24.20	0.452	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	0.419	0.274	-0.09	24.13	25.20	0.536	Battery 2#	Yes
Back Side	15mm	20050/1720	20M QPSK 1RB#50	0.413	0.271	-0.16	23.92	25.20	0.555	Battery 2#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#0	0.416	0.273	-0.14	23.96	25.20	0.553	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.113	0.067	-0.04	21.35	22.20	0.137	Battery 1#	/
Main Antenna											
Back Side	15mm	20050/1720	20M QPSK 1RB#50	0.220	0.137	0.07	23.92	25.20	0.295	Battery 2#	/

Table 162: Body-Worn SAR test results of LTE Band 4

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#50	0.113	0.062	-0.06	18.17	19.20	0.143	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#50	0.225	0.122	0.08	18.17	19.20	0.285	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 1RB#50	0.044	0.026	-0.19	18.17	19.20	0.055	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.270	0.148	-0.13	18.17	19.20	0.342	Battery 1#	/
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.162	0.092	0.04	18.39	19.20	0.195	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.200	0.116	-0.01	18.39	19.20	0.241	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 50%RB#0	0.046	0.026	0.08	18.39	19.20	0.056	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.280	0.155	0.06	18.39	19.20	0.337	Battery 1#	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.253	0.140	-0.10	18.17	19.20	0.321	Battery 2#	/
Top Side	10mm	20050/1720	20M QPSK 1RB#99	0.239	0.134	0.18	18.15	19.20	0.304	Battery 1#	/
Top Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.256	0.129	-0.05	18.01	19.20	0.337	Battery 1#	/
Main Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.279	0.182	-0.16	21.10	22.20	0.359	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.370	0.241	-0.09	21.10	22.20	0.477	Battery 1#	/
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.163	0.085	-0.10	21.10	22.20	0.210	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.229	0.133	0.02	21.10	22.20	0.295	Battery 1#	/
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.273	0.180	0.04	21.33	22.20	0.334	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.375	0.244	-0.13	21.33	22.20	0.458	Battery 1#	Yes
Right Side	10mm	20300/1745	20M QPSK 50%RB#0	0.182	0.093	-0.05	21.33	22.20	0.222	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#0	0.236	0.130	0.03	21.33	22.20	0.288	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.331	0.217	-0.16	21.10	22.20	0.426	Battery 2#	/
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.305	0.201	-0.13	20.95	22.20	0.407	Battery 1#	/
Back Side	10mm	20175/1732.5	20M QPSK 1RB#0	0.326	0.214	-0.09	20.93	22.20	0.437	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.222	0.119	-0.10	18.17	19.20	0.281	Battery 1#	/
Main Antenna											
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.209	0.120	-0.05	21.10	22.20	0.269	Battery 1#	/

Table 163: Hotspot SAR test results of LTE Band 4

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#50	0.113	0.062	-0.06	18.17	22.20	0.286	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#50	0.225	0.122	0.08	18.17	22.20	0.569	Yes
Left Side	10mm	20300/1745	20M QPSK 1RB#50	0.044	0.026	-0.19	18.17	22.20	0.110	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.270	0.148	-0.13	18.17	22.20	0.683	Yes
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.162	0.092	0.04	18.39	22.20	0.390	Yes
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.200	0.116	-0.01	18.39	22.20	0.481	Yes
Left Side	10mm	20300/1745	20M QPSK 50%RB#0	0.046	0.026	0.08	18.39	22.20	0.112	Yes
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.280	0.155	0.06	18.39	22.20	0.673	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.253	0.140	-0.10	18.17	22.20	0.640	Yes
Top Side	10mm	20050/1720	20M QPSK 1RB#99	0.239	0.134	0.18	18.15	22.20	0.607	Yes
Top Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.256	0.129	-0.05	18.01	22.20	0.672	Yes
Main Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.279	0.182	-0.16	21.10	25.20	0.717	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.370	0.241	-0.09	21.10	25.20	0.951	Yes
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.163	0.085	-0.10	21.10	25.20	0.419	Yes
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.229	0.133	0.02	21.10	25.20	0.589	Yes
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.273	0.180	0.04	21.33	24.20	0.529	Yes
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.375	0.244	-0.13	21.33	24.20	0.726	Yes
Right Side	10mm	20300/1745	20M QPSK 50%RB#0	0.182	0.093	-0.05	21.33	24.20	0.352	Yes
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#0	0.236	0.130	0.03	21.33	24.20	0.457	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.331	0.217	-0.16	21.10	25.20	0.851	Yes
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.305	0.201	-0.13	20.95	25.20	0.812	Yes
Back Side	10mm	20175/1732.5	20M QPSK 1RB#0	0.326	0.214	-0.09	20.93	25.20	0.871	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.222	0.119	-0.10	18.17	22.20	0.562	Yes
Main Antenna										
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.209	0.120	-0.05	21.10	25.20	0.537	Yes

Table 164: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

## 7.2.8 SAR measurement Result of LTE Band 5

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	20450/829	10M QPSK 1RB#0	0.243	0.121	0.12	17.77	18.70	0.301	Battery 1#	/
Left tilt	20450/829	10M QPSK 1RB#0	0.246	0.119	0.02	17.77	18.70	0.305	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#0	0.301	0.159	-0.07	17.77	18.70	0.373	Battery 1#	/
Right tilt	20450/829	10M QPSK 1RB#0	0.275	0.134	-0.12	17.77	18.70	0.341	Battery 1#	/
Left cheek	20450/829	10M QPSK 50%RB#25	0.273	0.136	0.04	17.77	18.70	0.338	Battery 1#	/
Left tilt	20450/829	10M QPSK 50%RB#25	0.274	0.132	-0.08	17.77	18.70	0.339	Battery 1#	/
Right cheek	20450/829	10M QPSK 50%RB#25	0.253	0.134	-0.02	17.77	18.70	0.313	Battery 1#	/
Right tilt	20450/829	10M QPSK 50%RB#25	0.231	0.111	0.12	17.77	18.70	0.286	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#0	0.293	0.149	-0.05	17.77	18.70	0.363	Battery 2#	/
Right cheek	20525/836.5	10M QPSK 1RB#49	0.348	0.177	-0.06	17.71	18.70	0.437	Battery 1#	Yes
Right cheek	20600/844	10M QPSK 1RB#0	0.340	0.174	-0.05	17.71	18.70	0.427	Battery 1#	/
Main Antenna										
Left cheek	20525/836.5	10M QPSK 1RB#0	0.115	0.084	-0.06	23.92	25.00	0.147	Battery 1#	/
Left tilt	20525/836.5	10M QPSK 1RB#0	0.055	0.042	0.18	23.92	25.00	0.071	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.115	0.091	-0.04	23.92	25.00	0.147	Battery 1#	/
Right tilt	20525/836.5	10M QPSK 1RB#0	0.051	0.039	-0.09	23.92	25.00	0.065	Battery 1#	/
Left cheek	20600/844	10M QPSK 50%RB#13	0.083	0.055	0.15	22.96	24.00	0.106	Battery 1#	/
Left tilt	20600/844	10M QPSK 50%RB#13	0.037	0.028	0.08	22.96	24.00	0.048	Battery 1#	/
Right cheek	20600/844	10M QPSK 50%RB#13	0.072	0.056	0.11	22.96	24.00	0.091	Battery 1#	/
Right tilt	20600/844	10M QPSK 50%RB#13	0.029	0.023	-0.01	22.96	24.00	0.037	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.117	0.093	0.02	23.92	25.00	0.150	Battery 2#	Yes
Right cheek	20450/829	10M QPSK 1RB#0	0.116	0.092	0.05	23.78	25.00	0.154	Battery 2#	/
Right cheek	20600/844	10M QPSK 1RB#25	0.092	0.073	0.02	23.90	25.00	0.119	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	20525/836.5	10M QPSK 1RB#49	0.313	0.160	0.04	17.71	18.70	0.393	Battery 1#	/
Main Antenna										
Right cheek	20450/829	10M QPSK 1RB#0	0.044	0.035	0.14	23.78	25.00	0.058	Battery 2#	/

Table 165: Head SAR test results of LTE Band 5

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.135	0.091	-0.06	23.87	24.70	0.163	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.189	0.132	-0.05	23.87	24.70	0.229	Battery 1#	Yes
Front Side	15mm	20600/844	10M QPSK 50%RB#0	0.132	0.088	0.06	22.85	23.70	0.161	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 50%RB#0	0.159	0.104	-0.07	22.85	23.70	0.193	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.177	0.123	-0.09	23.87	24.70	0.214	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#0	0.115	0.077	-0.10	23.61	24.70	0.148	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.133	0.089	-0.08	23.67	24.70	0.169	Battery 1#	/
Main Antenna											
Front Side	15mm	20525/836.5	10M QPSK 1RB#0	0.230	0.158	-0.16	23.92	25.00	0.295	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.339	0.243	-0.08	23.92	25.00	0.435	Battery 1#	Yes
Front Side	15mm	20600/844	10M QPSK 50%RB#13	0.179	0.123	-0.16	22.96	24.00	0.227	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 50%RB#13	0.206	0.161	0.05	22.96	24.00	0.262	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.324	0.232	-0.19	23.92	25.00	0.415	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#0	0.303	0.207	0.02	23.78	25.00	0.401	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#25	0.297	0.213	-0.11	23.90	25.00	0.383	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.162	0.113	-0.15	23.87	24.70	0.196	Battery 1#	/
Main Antenna											
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.119	0.086	-0.12	23.92	25.00	0.153	Battery 1#	/

Table 166: Body-Worn SAR test results of LTE Band 5



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.137	0.084	-0.06	20.33	21.20	0.167	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.149	0.081	0.00	20.33	21.20	0.182	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.085	0.056	0.03	20.33	21.20	0.103	Battery 1#	/
Right Side	10mm	20525/836.5	10M QPSK 1RB#0	0.010	0.007	0.19	20.33	21.20	0.013	Battery 1#	/
Top Side	10mm	20525/836.5	10M QPSK 1RB#0	0.122	0.055	-0.16	20.33	21.20	0.149	Battery 1#	/
Front Side	10mm	20600/844	10M QPSK 50%RB#0	0.137	0.075	0.00	20.33	21.20	0.167	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.151	0.082	-0.08	20.33	21.20	0.184	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 50%RB#0	0.047	0.032	-0.02	20.33	21.20	0.058	Battery 1#	/
Right Side	10mm	20600/844	10M QPSK 50%RB#0	0.014	0.009	0.09	20.33	21.20	0.017	Battery 1#	/
Top Side	10mm	20600/844	10M QPSK 50%RB#0	0.136	0.061	-0.14	20.33	21.20	0.166	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.152	0.083	-0.08	20.33	21.20	0.186	Battery 2#	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.130	0.081	-0.09	20.11	21.20	0.167	Battery 2#	/
Back Side	10mm	20525/836.5	10M QPSK 50%RB#0	0.138	0.075	-0.09	20.22	21.20	0.173	Battery 2#	/
Main Antenna											
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.211	-0.01	23.92	25.00	0.432	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.415	0.243	-0.17	23.92	25.00	0.532	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.186	0.05	23.92	25.00	0.432	Battery 1#	/
Bottom Side	10mm	20525/836.5	10M QPSK 1RB#0	0.240	0.150	-0.09	23.92	25.00	0.308	Battery 1#	/
Front Side	10mm	20600/844	10M QPSK 50%RB#13	0.224	0.140	-0.06	22.96	24.00	0.285	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#13	0.303	0.200	-0.01	22.96	24.00	0.385	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 50%RB#13	0.250	0.138	0.19	22.96	24.00	0.318	Battery 1#	/
Bottom Side	10mm	20600/844	10M QPSK 50%RB#13	0.160	0.100	-0.07	22.96	24.00	0.203	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.406	0.239	-0.03	23.92	25.00	0.521	Battery 2#	/
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.439	0.309	0.06	23.78	25.00	0.581	Battery 1#	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#25	0.382	0.225	-0.10	23.90	25.00	0.492	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.131	0.087	-0.05	20.33	21.20	0.160	Battery 2#	/
Main Antenna											
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.180	0.129	-0.09	23.78	25.00	0.238	Battery 1#	/

Table 167: Hotspot SAR test results of LTE Band 5

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.137	0.084	-0.06	20.33	24.70	0.375	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.149	0.081	0.00	20.33	24.70	0.408	Yes
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.085	0.056	0.03	20.33	24.70	0.231	Yes
Right Side	10mm	20525/836.5	10M QPSK 1RB#0	0.010	0.007	0.19	20.33	24.70	0.028	Yes
Top Side	10mm	20525/836.5	10M QPSK 1RB#0	0.122	0.055	-0.16	20.33	24.70	0.334	Yes
Front Side	10mm	20600/844	10M QPSK 50%RB#0	0.137	0.075	0.00	20.33	23.70	0.298	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.151	0.082	-0.08	20.33	23.70	0.328	Yes
Left Side	10mm	20600/844	10M QPSK 50%RB#0	0.047	0.032	-0.02	20.33	23.70	0.103	Yes
Right Side	10mm	20600/844	10M QPSK 50%RB#0	0.014	0.009	0.09	20.33	23.70	0.030	Yes
Top Side	10mm	20600/844	10M QPSK 50%RB#0	0.136	0.061	-0.14	20.33	23.70	0.295	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.152	0.083	-0.08	20.33	23.70	0.330	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.130	0.081	-0.09	20.11	23.70	0.297	Yes
Back Side	10mm	20525/836.5	10M QPSK 50%RB#0	0.138	0.075	-0.09	20.22	23.70	0.308	Yes
Main Antenna										
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.211	-0.01	23.92	25.00	0.432	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.415	0.243	-0.17	23.92	25.00	0.532	Yes
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.186	0.05	23.92	25.00	0.432	Yes
Bottom Side	10mm	20525/836.5	10M QPSK 1RB#0	0.240	0.150	-0.09	23.92	25.00	0.308	Yes
Front Side	10mm	20600/844	10M QPSK 50%RB#13	0.224	0.140	-0.06	22.96	24.00	0.285	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#13	0.303	0.200	-0.01	22.96	24.00	0.385	Yes
Left Side	10mm	20600/844	10M QPSK 50%RB#13	0.250	0.138	0.19	22.96	24.00	0.318	Yes
Bottom Side	10mm	20600/844	10M QPSK 50%RB#13	0.160	0.100	-0.07	22.96	24.00	0.203	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.406	0.239	-0.03	23.92	25.00	0.521	Yes
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.439	0.309	0.06	23.78	25.00	0.581	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#25	0.382	0.225	-0.10	23.90	25.00	0.492	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.131	0.087	-0.05	20.33	21.20	0.160	Yes
Main Antenna										
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.180	0.129	-0.09	23.78	25.00	0.238	Yes

Table 168: Product Specific 10-g SAR test reduction evaluation of LTE Band 5

Note:According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.9 SAR measurement Result of LTE Band 7

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	21100/2535	20M QPSK 1RB#50	0.100	0.046	-0.16	12.95	13.70	0.119	Battery 1#	/
Left tilt	21100/2535	20M QPSK 1RB#50	0.109	0.050	-0.13	12.95	13.70	0.130	Battery 1#	/
Right cheek	21100/2535	20M QPSK 1RB#50	0.222	0.101	-0.19	12.95	13.70	0.264	Battery 1#	/
Right tilt	21100/2535	20M QPSK 1RB#50	0.244	0.066	-0.18	12.95	13.70	0.290	Battery 1#	/
Left cheek	21100/2535	20M QPSK 50%RB#25	0.092	0.042	-0.13	13.00	13.70	0.108	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#25	0.116	0.053	-0.19	13.00	13.70	0.136	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#25	0.139	0.074	-0.12	13.00	13.70	0.163	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.187	0.083	-0.14	13.00	13.70	0.220	Battery 1#	/
Right tilt	21100/2535	20M QPSK 1RB#50	0.180	0.080	-0.19	12.95	13.70	0.214	Battery 2#	/
Right tilt	20850/2510	20M QPSK 1RB#0	0.158	0.072	-0.12	12.65	13.70	0.201	Battery 1#	/
Right tilt	21350/2560	20M QPSK 1RB#0	0.190	0.088	-0.19	12.85	13.70	0.231	Battery 1#	/
Right tilt	21100/2535(PCC)	20M QPSK 1RB#99	0.170	0.070	0.04	11.86	13.50	0.248	Battery 1#	/
	20902/2515.2(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	21350/2560	20M QPSK 1RB#50	0.095	0.054	-0.02	23.85	24.70	0.115	Battery 1#	/
Left tilt	21350/2560	20M QPSK 1RB#50	0.068	0.036	0.18	23.85	24.70	0.083	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#50	0.190	0.105	-0.04	23.85	24.70	0.231	Battery 1#	Yes
Right tilt	21350/2560	20M QPSK 1RB#50	0.039	0.019	0.07	23.85	24.70	0.047	Battery 1#	/
Left cheek	21100/2535	20M QPSK 50%RB#25	0.079	0.040	-0.10	22.94	23.70	0.094	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#25	0.052	0.026	-0.18	22.94	23.70	0.061	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#25	0.148	0.074	0.13	22.94	23.70	0.176	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.033	0.016	-0.06	22.94	23.70	0.039	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#50	0.185	0.102	0.03	23.85	24.70	0.225	Battery 2#	/
Right cheek	20850/2510	20M QPSK 1RB#50	0.185	0.103	0.15	23.59	24.70	0.239	Battery 1#	/
Right cheek	21100/2535	20M QPSK 1RB#0	0.188	0.104	-0.12	23.73	24.70	0.235	Battery 1#	/
Right cheek	21100/2535(PCC)	20M QPSK 1RB#99	0.156	0.081	0.05	22.52	24.50	0.246	Battery 1#	/
	21298/2554.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	21100/2535	20M QPSK 1RB#50	0.286	0.135	0.06	12.95	13.70	0.340	Battery 1#	Yes
Main Antenna										
Right cheek	21100/2535(PCC)	20M QPSK 1RB#99	0.141	0.075	0.11	22.52	24.50	0.222	Battery 1#	/
	21298/2554.8(SCC)	20M QPSK 1RB#0								

Table 169: Head SAR test results of LTE Band 7

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	21100/2535	20M QPSK 1RB#0	0.052	0.028	-0.17	19.51	20.20	0.061	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.056	0.032	-0.17	19.51	20.20	0.066	Battery 1#	/
Front Side	15mm	21350/2560	20M QPSK 50%RB#0	0.056	0.030	-0.09	19.77	20.20	0.061	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 50%RB#0	0.062	0.036	-0.15	19.77	20.20	0.068	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 50%RB#0	0.072	0.042	-0.13	19.77	20.20	0.079	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 50%RB#50	0.065	0.038	-0.17	19.53	20.20	0.075	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#50	0.033	0.011	0.00	19.72	20.20	0.037	Battery 2#	/
Back Side	15mm	21350/2560(PCC)	20M QPSK 1RB#0	0.070	0.041	0.11	18.25	20.00	0.105	Battery 2#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	15mm	21350/2560	20M QPSK 1RB#50	0.130	0.071	-0.19	23.85	24.70	0.158	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 1RB#50	0.229	0.127	-0.11	23.85	24.70	0.279	Battery 1#	/
Front Side	15mm	21100/2535	20M QPSK 50%RB#25	0.120	0.065	0.19	22.94	23.70	0.143	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#25	0.213	0.118	-0.09	22.94	23.70	0.254	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 1RB#50	0.236	0.131	-0.15	23.85	24.70	0.287	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#50	0.260	0.146	-0.14	23.59	24.70	0.336	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.260	0.146	-0.18	23.73	24.70	0.325	Battery 2#	/
Back Side	15mm	21100/2535(PCC)	20M QPSK 1RB#99	0.261	0.122	-0.07	22.52	24.50	0.412	Battery 2#	Yes
		21298/2554.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	21350/2560(PCC)	20M QPSK 1RB#0	0.127	0.066	-0.11	19.77	20.20	0.140	Battery 2#	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Back Side	15mm	21100/2535(PCC)	20M QPSK 1RB#99	0.081	0.041	-0.05	22.52	24.50	0.128	Battery 2#	/
		21298/2554.8(SCC)	20M QPSK 1RB#0								

Table 170: Body-Worn SAR test results of LTE Band 7

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.092	0.047	0.15	16.82	17.70	0.113	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.180	0.091	-0.16	16.82	17.70	0.220	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.112	0.042	-0.08	16.82	17.70	0.137	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.451	0.229	0.04	16.82	17.70	0.552	Battery 1#	/
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.117	0.057	-0.16	17.17	17.70	0.132	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.164	0.080	0.09	17.17	17.70	0.185	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.119	0.044	-0.12	17.17	17.70	0.134	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.510	0.259	-0.08	17.17	17.70	0.576	Battery 1#	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.441	0.225	-0.01	17.17	17.70	0.498	Battery 2#	/
Top Side	10mm	20850/2510	20M QPSK 50%RB#50	0.404	0.204	-0.19	16.93	17.70	0.482	Battery 2#	/
Top Side	10mm	21100/2535	20M QPSK 50%RB#50	0.419	0.216	-0.08	17.09	17.70	0.482	Battery 2#	/
Top Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.408	0.207	0.15	16.32	17.50	0.535	Battery 2#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.167	0.084	0.18	21.28	22.20	0.206	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.251	0.136	-0.16	21.28	22.20	0.310	Battery 1#	/
Right Side	10mm	21350/2560	20M QPSK 1RB#99	0.078	0.040	0.07	21.28	22.20	0.097	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.441	0.218	-0.04	21.28	22.20	0.545	Battery 1#	/
Front Side	10mm	21100/2535	20M QPSK 50%RB#50	0.191	0.096	-0.08	21.41	22.20	0.229	Battery 1#	/
Back Side	10mm	21100/2535	20M QPSK 50%RB#50	0.266	0.144	0.02	21.41	22.20	0.319	Battery 1#	/
Right Side	10mm	21100/2535	20M QPSK 50%RB#50	0.085	0.043	-0.09	21.41	22.20	0.102	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.469	0.233	-0.11	21.41	22.20	0.563	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.466	0.232	0.03	21.41	22.20	0.559	Battery 2#	/
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#50	0.444	0.223	-0.12	21.23	22.20	0.555	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 50%RB#50	0.423	0.210	-0.07	21.39	22.20	0.510	Battery 1#	/
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.504	0.250	0.12	21.00	22.00	0.634	Battery 1#	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.103	0.054	-0.04	17.17	17.70	0.116	Battery 1#	/
Main Antenna											
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.085	0.041	-0.03	21.00	22.00	0.107	Battery 1#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								

Table 171: Hotspot SAR test results of LTE Band 7

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.092	0.047	0.15	16.82	20.20	0.201	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.180	0.091	-0.16	16.82	20.20	0.392	Yes
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.112	0.042	-0.08	16.82	20.20	0.244	Yes
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.451	0.229	0.04	16.82	20.20	0.982	Yes
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.117	0.057	-0.16	17.17	20.20	0.235	Yes
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.164	0.080	0.09	17.17	20.20	0.329	Yes
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.119	0.044	-0.12	17.17	20.20	0.239	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.510	0.259	-0.08	17.17	20.20	1.025	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.441	0.225	-0.01	17.17	20.20	0.886	Yes
Top Side	10mm	20850/2510	20M QPSK 50%RB#50	0.404	0.204	-0.19	16.93	20.20	0.858	Yes
Top Side	10mm	21100/2535	20M QPSK 50%RB#50	0.419	0.216	-0.08	17.09	20.20	0.857	Yes
Top Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.408	0.207	0.15	16.32	20.20	0.997	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							
Main Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.167	0.084	0.18	21.28	24.70	0.367	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.251	0.136	-0.16	21.28	24.70	0.552	Yes
Right Side	10mm	21350/2560	20M QPSK 1RB#99	0.078	0.040	0.07	21.28	24.70	0.172	Yes
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.441	0.218	-0.04	21.28	24.70	0.969	Yes
Front Side	10mm	21100/2535	20M QPSK 50%RB#50	0.191	0.096	-0.08	21.41	23.70	0.324	Yes
Back Side	10mm	21100/2535	20M QPSK 50%RB#50	0.266	0.144	0.02	21.41	23.70	0.451	Yes
Right Side	10mm	21100/2535	20M QPSK 50%RB#50	0.085	0.043	-0.09	21.41	23.70	0.144	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.469	0.233	-0.11	21.41	24.70	1.000	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.466	0.232	0.03	21.41	24.70	0.994	Yes
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#50	0.444	0.223	-0.12	21.23	24.70	0.987	Yes
Bottom Side	10mm	21350/2560	20M QPSK 50%RB#50	0.423	0.210	-0.07	21.39	24.70	0.906	Yes
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.504	0.250	0.12	21.00	24.50	1.128	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.103	0.054	-0.04	17.17	20.20	0.207	Yes
Main Antenna										
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.085	0.041	-0.03	21.00	24.70	0.198	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							

Table 172: Product Specific 10-g SAR test reduction evaluation of LTE Band 7

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.10 SAR measurement Result of LTE Band 12

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	23095/707.5	10M QPSK 1RB#0	0.200	0.096	0.06	21.91	22.70	0.240	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 1RB#0	0.156	0.075	0.16	21.91	22.70	0.187	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 1RB#0	0.258	0.122	-0.05	21.91	22.70	0.309	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.405	0.160	0.13	21.91	22.70	0.486	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 50%RB#0	0.216	0.104	-0.05	21.87	22.70	0.261	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 50%RB#0	0.167	0.080	-0.08	21.87	22.70	0.202	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 50%RB#0	0.307	0.141	-0.05	21.87	22.70	0.372	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 50%RB#0	0.279	0.119	0.05	21.87	22.70	0.338	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.369	0.170	-0.03	21.91	22.70	0.443	Battery 2#	/
Right tilt	23060/704	10M QPSK 1RB#49	0.347	0.138	0.07	21.72	22.70	0.435	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#49	0.438	0.174	-0.03	21.90	22.70	0.527	Battery 1#	Yes
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#49	0.132	0.086	-0.03	24.00	25.00	0.166	Battery 1#	Yes
Left tilt	23130/711	10M QPSK 1RB#49	0.055	0.039	0.18	24.00	25.00	0.069	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#49	0.110	0.088	-0.14	24.00	25.00	0.138	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#49	0.046	0.036	0.16	24.00	25.00	0.057	Battery 1#	/
Left cheek	23130/711	10M QPSK 50%RB#0	0.105	0.072	0.15	22.99	24.00	0.132	Battery 1#	/
Left tilt	23130/711	10M QPSK 50%RB#0	0.049	0.034	0.08	22.99	24.00	0.061	Battery 1#	/
Right cheek	23130/711	10M QPSK 50%RB#0	0.107	0.085	0.00	22.99	24.00	0.135	Battery 1#	/
Right tilt	23130/711	10M QPSK 50%RB#0	0.037	0.029	0.07	22.99	24.00	0.047	Battery 1#	/
Left cheek	23130/711	10M QPSK 1RB#49	0.124	0.079	0.02	24.00	25.00	0.156	Battery 2#	/
Left cheek	23060/704	10M QPSK 1RB#49	0.105	0.068	0.11	23.89	25.00	0.136	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 1RB#49	0.111	0.071	0.05	23.93	25.00	0.142	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	23130/711	10M QPSK 1RB#49	0.290	0.144	0.01	21.90	22.70	0.349	Battery 1#	/
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#49	0.063	0.040	0.04	24.00	25.00	0.080	Battery 1#	/

Table 173: Head SAR test results of LTE Band 12

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#49	0.078	0.052	0.02	23.69	24.70	0.099	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.079	0.055	-0.08	23.69	24.70	0.100	Battery 1#	/
Front Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.047	0.032	-0.01	22.88	23.70	0.057	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.054	0.037	-0.16	22.88	23.70	0.066	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.068	0.047	0.11	23.69	24.70	0.086	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#49	0.053	0.036	-0.03	23.44	24.70	0.071	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#0	0.037	0.025	-0.03	23.61	24.70	0.047	Battery 1#	/
Main Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#49	0.202	0.137	-0.09	24.00	25.00	0.254	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.291	0.204	-0.10	24.00	25.00	0.366	Battery 1#	Yes
Front Side	15mm	23130/711	10M QPSK 50%RB#0	0.174	0.118	-0.02	22.99	24.00	0.220	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 50%RB#0	0.218	0.156	-0.08	22.99	24.00	0.275	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.258	0.183	-0.10	24.00	25.00	0.325	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#49	0.281	0.178	-0.05	23.89	25.00	0.363	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#49	0.272	0.194	-0.10	23.93	25.00	0.348	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.148	0.106	-0.10	23.69	24.70	0.187	Battery 1#	Yes
Main Antenna											
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.104	0.076	-0.06	24.00	25.00	0.131	Battery 1#	/

Table 174: Body-Worn SAR test results of LTE Band 12



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	23060/704	10M QPSK 1RB#49	0.084	0.047	-0.10	22.66	23.20	0.096	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.106	0.058	-0.08	22.66	23.20	0.120	Battery 1#	/
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.030	0.021	-0.04	22.66	23.20	0.034	Battery 1#	/
Right Side	10mm	23060/704	10M QPSK 1RB#49	0.012	0.008	0.17	22.66	23.20	0.014	Battery 1#	/
Top Side	10mm	23060/704	10M QPSK 1RB#49	0.072	0.039	0.18	22.66	23.20	0.081	Battery 1#	/
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.084	0.047	-0.03	22.64	23.20	0.096	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.097	0.054	-0.10	22.64	23.20	0.111	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.028	0.020	0.07	22.64	23.20	0.032	Battery 1#	/
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.012	0.008	0.10	22.64	23.20	0.013	Battery 1#	/
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.069	0.037	0.19	22.64	23.20	0.078	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.105	0.058	-0.01	22.66	23.20	0.119	Battery 2#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.093	0.059	-0.03	22.63	23.20	0.105	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.125	0.069	-0.02	22.62	23.20	0.143	Battery 1#	/
Main Antenna											
Front Side	10mm	23130/711	10M QPSK 1RB#49	0.347	0.228	-0.12	24.00	25.00	0.437	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#49	0.441	0.260	-0.09	24.00	25.00	0.555	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.456	0.239	0.05	24.00	25.00	0.574	Battery 1#	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#49	0.142	0.091	-0.05	24.00	25.00	0.179	Battery 1#	/
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.312	0.205	0.06	22.99	24.00	0.394	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.400	0.269	-0.06	22.99	24.00	0.505	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.388	0.236	0.09	22.99	24.00	0.490	Battery 1#	/
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.123	0.078	0.00	22.99	24.00	0.155	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.387	0.203	-0.11	24.00	25.00	0.487	Battery 2#	/
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.402	0.211	0.13	23.89	25.00	0.519	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 1RB#49	0.391	0.204	-0.04	23.93	25.00	0.500	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.148	0.087	-0.11	22.62	23.20	0.169	Battery 1#	Yes
Main Antenna											
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.103	0.056	-0.12	24.00	25.00	0.130	Battery 1#	/

Table 175: Hotspot SAR test results of LTE Band 12

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	23060/704	10M QPSK 1RB#49	0.084	0.047	-0.10	22.66	24.70	0.135	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.106	0.058	-0.08	22.66	24.70	0.170	Yes
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.030	0.021	-0.04	22.66	24.70	0.048	Yes
Right Side	10mm	23060/704	10M QPSK 1RB#49	0.012	0.008	0.17	22.66	24.70	0.019	Yes
Top Side	10mm	23060/704	10M QPSK 1RB#49	0.072	0.039	0.18	22.66	24.70	0.114	Yes
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.084	0.047	-0.03	22.64	23.70	0.107	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.097	0.054	-0.10	22.64	23.70	0.124	Yes
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.028	0.020	0.07	22.64	23.70	0.036	Yes
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.012	0.008	0.10	22.64	23.70	0.015	Yes
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.069	0.037	0.19	22.64	23.70	0.087	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.105	0.058	-0.01	22.66	24.70	0.168	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.093	0.059	-0.03	22.63	24.70	0.149	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.125	0.069	-0.02	22.62	24.70	0.202	Yes
Main Antenna										
Front Side	10mm	23130/711	10M QPSK 1RB#49	0.347	0.228	-0.12	24.00	25.00	0.437	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#49	0.441	0.260	-0.09	24.00	25.00	0.555	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.456	0.239	0.05	24.00	25.00	0.574	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#49	0.142	0.091	-0.05	24.00	25.00	0.179	Yes
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.312	0.205	0.06	22.99	24.00	0.394	Yes
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.400	0.269	-0.06	22.99	24.00	0.505	Yes
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.388	0.236	0.09	22.99	24.00	0.490	Yes
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.123	0.078	0.00	22.99	24.00	0.155	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.387	0.203	-0.11	24.00	25.00	0.487	Yes
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.402	0.211	0.13	23.89	25.00	0.519	Yes
Left Side	10mm	23095/707.5	10M QPSK 1RB#49	0.391	0.204	-0.04	23.93	25.00	0.500	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.148	0.087	-0.11	22.62	24.70	0.239	Yes
Main Antenna										
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.103	0.056	-0.12	24.00	25.00	0.130	Yes

Table 176: Product Specific 10-g SAR test reduction evaluation of LTE Band 12

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.11 SAR measurement Result of LTE Band 17

SAR for **LTE Band 17 Main Antenna**(Frequency range:704-716 MHz) is covered by LTE Band 12 (Frequency range:699-716 MHz) due to similar frequency range,same maximum tune up limit and same channel bandwidth.

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	23780/709	10M QPSK 1RB#0	0.316	0.183	-0.07	22.10	22.70	0.363	Battery 1#	/
Left tilt	23780/709	10M QPSK 1RB#0	0.291	0.170	-0.11	22.10	22.70	0.334	Battery 1#	/
Right cheek	23780/709	10M QPSK 1RB#0	0.284	0.133	-0.03	22.10	22.70	0.326	Battery 1#	/
Right tilt	23780/709	10M QPSK 1RB#0	0.343	0.141	-0.09	22.10	22.70	0.394	Battery 1#	/
Left cheek	23780/709	10M QPSK 50%RB#0	0.339	0.197	-0.06	22.12	22.70	0.387	Battery 1#	/
Left tilt	23780/709	10M QPSK 50%RB#0	0.309	0.180	-0.15	22.12	22.70	0.353	Battery 1#	/
Right cheek	23780/709	10M QPSK 50%RB#0	0.307	0.143	-0.07	22.12	22.70	0.351	Battery 1#	/
Right tilt	23780/709	10M QPSK 50%RB#0	0.370	0.152	-0.10	22.12	22.70	0.423	Battery 1#	Yes
Right tilt	23780/709	10M QPSK 50%RB#0	0.304	0.141	-0.19	22.12	22.70	0.347	Battery 2#	/
Right tilt	23790/710	10M QPSK 50%RB#0	0.329	0.153	-0.19	22.11	22.70	0.377	Battery 1#	/
Right tilt	23800/711	10M QPSK 50%RB#0	0.323	0.151	-0.09	22.08	22.70	0.373	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	23780/709	10M QPSK 50%RB#0	0.309	0.151	-0.01	22.12	22.70	0.353	Battery 1#	/

Table 177: Head SAR test results of LTE Band 17

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	23800/711	10M QPSK 1RB#49	0.054	0.038	0.02	24.05	24.70	0.062	Battery 1#	/
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.059	0.043	-0.12	24.05	24.70	0.069	Battery 1#	/
Front Side	15mm	23790/710	10M QPSK 50%RB#0	0.035	0.023	-0.18	23.13	23.70	0.039	Battery 1#	/
Back Side	15mm	23790/710	10M QPSK 50%RB#0	0.038	0.026	0.01	23.13	23.70	0.043	Battery 1#	/
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.057	0.042	-0.01	24.05	24.70	0.066	Battery 2#	/
Back Side	15mm	23780/709	10M QPSK 1RB#49	0.038	0.014	-0.05	23.82	24.70	0.046	Battery 1#	/
Back Side	15mm	23790/710	10M QPSK 1RB#49	0.049	0.036	-0.17	23.92	24.70	0.059	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.142	0.102	-0.17	24.05	24.70	0.165	Battery 1#	Yes

Table 178: Body-Worn SAR test results of LTE Band 17

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	23800/711	10M QPSK 1RB#49	0.109	0.061	0.13	24.05	24.70	0.126	Battery 1#	/
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.114	0.066	-0.05	24.05	24.70	0.132	Battery 1#	/
Left Side	10mm	23800/711	10M QPSK 1RB#49	0.039	0.026	-0.02	24.05	24.70	0.045	Battery 1#	/
Right Side	10mm	23800/711	10M QPSK 1RB#49	0.017	0.011	-0.16	24.05	24.70	0.020	Battery 1#	/
Top Side	10mm	23800/711	10M QPSK 1RB#49	0.090	0.043	-0.06	24.05	24.70	0.104	Battery 1#	/
Front Side	10mm	23790/710	10M QPSK 50%RB#0	0.071	0.044	-0.12	23.13	23.70	0.081	Battery 1#	/
Back Side	10mm	23790/710	10M QPSK 50%RB#0	0.075	0.047	-0.06	23.13	23.70	0.086	Battery 1#	/
Left Side	10mm	23790/710	10M QPSK 50%RB#0	0.020	0.013	-0.02	23.13	23.70	0.023	Battery 1#	/
Right Side	10mm	23790/710	10M QPSK 50%RB#0	0.009	0.006	-0.17	23.13	23.70	0.011	Battery 1#	/
Top Side	10mm	23790/710	10M QPSK 50%RB#0	0.051	0.025	-0.07	23.13	23.70	0.058	Battery 1#	/
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.121	0.070	-0.02	24.05	24.70	0.140	Battery 2#	/
Back Side	10mm	23780/709	10M QPSK 1RB#49	0.096	0.056	0.01	23.82	24.70	0.117	Battery 2#	/
Back Side	10mm	23790/710	10M QPSK 1RB#49	0.115	0.067	0.01	23.92	24.70	0.138	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.214	0.126	-0.10	24.05	24.70	0.248	Battery 2#	Yes

Table 179: Hotspot SAR test results of LTE Band 17

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	23800/711	10M QPSK 1RB#49	0.109	0.061	0.13	24.05	24.70	0.126	Yes
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.114	0.066	-0.05	24.05	24.70	0.132	Yes
Left Side	10mm	23800/711	10M QPSK 1RB#49	0.039	0.026	-0.02	24.05	24.70	0.045	Yes
Right Side	10mm	23800/711	10M QPSK 1RB#49	0.017	0.011	-0.16	24.05	24.70	0.020	Yes
Top Side	10mm	23800/711	10M QPSK 1RB#49	0.090	0.043	-0.06	24.05	24.70	0.104	Yes
Front Side	10mm	23790/710	10M QPSK 50%RB#0	0.071	0.044	-0.12	23.13	23.70	0.081	Yes
Back Side	10mm	23790/710	10M QPSK 50%RB#0	0.075	0.047	-0.06	23.13	23.70	0.086	Yes
Left Side	10mm	23790/710	10M QPSK 50%RB#0	0.020	0.013	-0.02	23.13	23.70	0.023	Yes
Right Side	10mm	23790/710	10M QPSK 50%RB#0	0.009	0.006	-0.17	23.13	23.70	0.011	Yes
Top Side	10mm	23790/710	10M QPSK 50%RB#0	0.051	0.025	-0.07	23.13	23.70	0.058	Yes
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.121	0.070	-0.02	24.05	24.70	0.140	Yes
Back Side	10mm	23780/709	10M QPSK 1RB#49	0.096	0.056	0.01	23.82	24.70	0.117	Yes
Back Side	10mm	23790/710	10M QPSK 1RB#49	0.115	0.067	0.01	23.92	24.70	0.138	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.214	0.150	-0.10	24.05	24.70	0.248	Yes

Table 180: Product Specific 10-g SAR test reduction evaluation of LTE Band 17

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg

### 7.2.12 SAR measurement Result of LTE Band 26

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	26965/841.5	15M QPSK 1RB#74	0.307	0.150	0.15	18.27	19.40	0.398	Battery 1#	/
Left tilt	26965/841.5	15M QPSK 1RB#74	0.253	0.123	-0.12	18.27	19.40	0.328	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.375	0.191	-0.02	18.27	19.40	0.486	Battery 1#	Yes
Right tilt	26965/841.5	15M QPSK 1RB#74	0.365	0.219	-0.04	18.27	19.40	0.473	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#0	0.229	0.132	0.08	18.35	19.40	0.292	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#0	0.210	0.121	-0.10	18.35	19.40	0.267	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#0	0.358	0.217	-0.02	18.35	19.40	0.456	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#0	0.320	0.192	-0.03	18.35	19.40	0.408	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.322	0.170	-0.01	18.27	19.40	0.418	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#38	0.221	0.115	-0.12	18.22	19.40	0.290	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#38	0.313	0.164	-0.09	18.25	19.40	0.408	Battery 1#	/
Main Antenna										
Left cheek	26865/831.5	15M QPSK 1RB#0	0.108	0.070	0.08	23.93	25.20	0.145	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 1RB#0	0.070	0.054	-0.04	23.93	25.20	0.094	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.142	0.112	0.14	23.93	25.20	0.190	Battery 1#	Yes
Right tilt	26865/831.5	15M QPSK 1RB#0	0.064	0.050	0.08	23.93	25.20	0.086	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#18	0.082	0.053	0.18	22.85	24.20	0.112	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#18	0.047	0.036	0.07	22.85	24.20	0.065	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#18	0.103	0.081	0.05	22.85	24.20	0.141	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#18	0.048	0.038	0.02	22.85	24.20	0.065	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.138	0.108	0.05	23.93	25.20	0.185	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#0	0.124	0.097	0.10	23.91	25.20	0.167	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#0	0.126	0.099	0.06	23.86	25.20	0.172	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	26965/841.5	15M QPSK 1RB#74	0.306	0.160	0.16	18.27	19.40	0.397	Battery 1#	/
Main Antenna										
Right cheek	26865/831.5	15M QPSK 1RB#0	0.053	0.041	0.06	23.93	25.20	0.071	Battery 1#	/

Table 181: Head SAR test results of LTE Band 26

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	26765/821.5	15M QPSK 1RB#74	0.097	0.064	-0.11	23.69	24.90	0.128	Battery 1#	/
Back Side	15mm	26765/821.5	15M QPSK 1RB#74	0.109	0.079	-0.14	23.69	24.90	0.144	Battery 1#	/
Front Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.096	0.064	-0.14	22.89	23.90	0.121	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.122	0.088	-0.10	22.89	23.90	0.154	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.119	0.087	-0.08	22.89	23.90	0.150	Battery 2#	/
Back Side	15mm	26765/821.5	15M QPSK 50%RB#0	0.073	0.053	-0.18	22.54	23.90	0.099	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#39	0.109	0.079	-0.12	22.81	23.90	0.140	Battery 1#	/
Main Antenna											
Front Side	15mm	26865/831.5	15M QPSK 1RB#0	0.212	0.169	-0.05	23.93	25.20	0.284	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.292	0.220	-0.05	23.93	25.20	0.391	Battery 1#	/
Front Side	15mm	26865/831.5	15M QPSK 50%RB#18	0.166	0.114	-0.03	22.85	24.20	0.227	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#18	0.214	0.146	-0.05	22.85	24.20	0.292	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.304	0.230	-0.07	23.93	25.20	0.407	Battery 2#	Yes
Back Side	15mm	26765/821.5	15M QPSK 1RB#0	0.286	0.216	-0.06	23.91	25.20	0.385	Battery 2#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#0	0.288	0.218	-0.06	23.86	25.20	0.392	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.134	0.093	-0.17	22.89	23.90	0.169	Battery 1#	Yes
Main Antenna											
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.118	0.085	-0.08	23.93	25.20	0.158	Battery 2#	/

Table 182: Body-Worn SAR test results of LTE Band 26

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#38	0.122	0.074	-0.09	21.13	21.90	0.146	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.125	0.073	-0.13	21.13	21.90	0.149	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 1RB#38	0.068	0.045	-0.12	21.13	21.90	0.082	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 1RB#38	0.007	0.005	-0.16	21.13	21.90	0.008	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 1RB#38	0.078	0.043	-0.01	21.13	21.90	0.093	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.127	0.071	-0.15	21.15	21.90	0.151	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.134	0.079	-0.18	21.15	21.90	0.159	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.074	0.048	-0.15	21.15	21.90	0.087	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.009	0.006	-0.19	21.15	21.90	0.011	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.083	0.047	-0.05	21.15	21.90	0.098	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.084	-0.16	21.15	21.90	0.196	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.116	0.067	-0.10	20.96	21.90	0.144	Battery 2#	/
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.166	0.096	-0.10	20.92	21.90	0.208	Battery 2#	Yes
Main Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.328	0.216	-0.16	23.93	25.20	0.439	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.437	0.324	-0.05	23.93	25.20	0.585	Battery 1#	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.306	0.175	-0.19	23.93	25.20	0.410	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.239	0.152	-0.12	23.93	25.20	0.320	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.257	0.166	-0.17	22.85	24.20	0.351	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.358	0.231	-0.13	22.85	24.20	0.489	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.255	0.144	-0.19	22.85	24.20	0.348	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.187	0.121	-0.13	22.85	24.20	0.255	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.421	0.258	-0.06	23.93	25.20	0.564	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 1RB#0	0.406	0.300	-0.05	23.91	25.20	0.546	Battery 1#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.410	0.263	-0.14	23.86	25.20	0.558	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.150	0.086	-0.13	20.92	21.90	0.188	Battery 2#	/
Main Antenna											
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.176	0.125	-0.02	23.93	25.20	0.236	Battery 1#	/

Table 183: Hotspot SAR test results of LTE Band 26



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#38	0.122	0.074	-0.09	21.13	24.90	0.290	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.125	0.073	-0.13	21.13	24.90	0.298	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#38	0.068	0.045	-0.12	21.13	24.90	0.163	Yes
Right Side	10mm	26865/831.5	15M QPSK 1RB#38	0.007	0.005	-0.16	21.13	24.90	0.017	Yes
Top Side	10mm	26865/831.5	15M QPSK 1RB#38	0.078	0.043	-0.01	21.13	24.90	0.185	Yes
Front Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.127	0.071	-0.15	21.15	23.90	0.239	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.134	0.079	-0.18	21.15	23.90	0.253	Yes
Left Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.074	0.048	-0.15	21.15	23.90	0.139	Yes
Right Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.009	0.006	-0.19	21.15	23.90	0.017	Yes
Top Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.083	0.047	-0.05	21.15	23.90	0.156	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.084	-0.16	21.15	23.90	0.311	Yes
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.116	0.067	-0.10	20.96	23.90	0.228	Yes
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.166	0.096	-0.10	20.92	23.90	0.330	Yes
Main Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.328	0.216	-0.16	23.93	25.20	0.439	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.437	0.324	-0.05	23.93	25.20	0.585	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.306	0.175	-0.19	23.93	25.20	0.410	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.239	0.152	-0.12	23.93	25.20	0.320	Yes
Front Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.257	0.166	-0.17	22.85	24.20	0.351	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.358	0.231	-0.13	22.85	24.20	0.489	Yes
Left Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.255	0.144	-0.19	22.85	24.20	0.348	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.187	0.121	-0.13	22.85	24.20	0.255	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.421	0.258	-0.06	23.93	25.20	0.564	Yes
Back Side	10mm	26765/821.5	15M QPSK 1RB#0	0.406	0.300	-0.05	23.91	25.20	0.546	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.410	0.263	-0.14	23.86	25.20	0.558	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.150	0.086	-0.13	20.92	23.90	0.298	Yes
Main Antenna										
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.176	0.125	-0.02	23.93	25.20	0.236	Yes

Table 184: Product Specific 10-g SAR test reduction evaluation of LTE Band 26

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.13 SAR measurement Result of LTE Band 38

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	37850/2580	20M QPSK 1RB#99	0.121	0.056	-0.15	14.81	16.00	0.159	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#99	0.156	0.073	-0.12	14.81	16.00	0.205	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.266	0.134	-0.19	14.81	16.00	0.350	Battery 1#	/
Right tilt	37850/2580	20M QPSK 1RB#99	0.319	0.145	-0.11	14.81	16.00	0.420	Battery 1#	/
Left cheek	37850/2580	20M QPSK 50%RB#0	0.132	0.061	-0.16	14.93	16.00	0.169	Battery 1#	/
Left tilt	37850/2580	20M QPSK 50%RB#0	0.166	0.078	-0.07	14.93	16.00	0.212	Battery 1#	/
Right cheek	37850/2580	20M QPSK 50%RB#0	0.289	0.144	-0.17	14.93	16.00	0.370	Battery 1#	/
Right tilt	37850/2580	20M QPSK 50%RB#0	0.344	0.159	-0.14	14.93	16.00	0.440	Battery 1#	Yes
Right tilt	37850/2580	20M QPSK 50%RB#0	0.248	0.120	-0.17	14.93	16.00	0.317	Battery 2#	/
Right tilt	38000/2595	20M QPSK 50%RB#0	0.262	0.133	-0.08	14.89	16.00	0.338	Battery 1#	/
Right tilt	38150/2610	20M QPSK 50%RB#0	0.267	0.136	-0.19	14.91	16.00	0.343	Battery 1#	/
Right tilt	38150/2610(PCC)	20M QPSK 1RB#0	0.229	0.097	0.06	14.92	16.00	0.294	Battery 1#	/
	37952/2590.2(SCC)	20M QPSK 1RB#99								
Main Antenna										
Left cheek	37850/2580	20M QPSK 1RB#50	0.052	0.027	0.17	24.08	25.00	0.064	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#50	0.044	0.022	-0.19	24.08	25.00	0.054	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#50	0.129	0.071	0.10	24.08	25.00	0.159	Battery 1#	Yes
Right tilt	37850/2580	20M QPSK 1RB#50	0.024	0.011	-0.14	24.08	25.00	0.029	Battery 1#	/
Left cheek	38000/2595	20M QPSK 50%RB#25	0.046	0.024	-0.18	23.23	24.00	0.055	Battery 1#	/
Left tilt	38000/2595	20M QPSK 50%RB#25	0.041	0.020	-0.11	23.23	24.00	0.048	Battery 1#	/
Right cheek	38000/2595	20M QPSK 50%RB#25	0.074	0.038	-0.18	23.23	24.00	0.089	Battery 1#	/
Right tilt	38000/2595	20M QPSK 50%RB#25	0.022	0.011	-0.11	23.23	24.00	0.026	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#50	0.084	0.044	-0.10	24.08	25.00	0.104	Battery 2#	/
Right cheek	38000/2595	20M QPSK 1RB#0	0.064	0.035	-0.15	23.92	25.00	0.082	Battery 1#	/
Right cheek	38150/2610	20M QPSK 1RB#0	0.062	0.033	-0.17	23.93	25.00	0.079	Battery 1#	/
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.070	0.035	-0.03	23.01	25.00	0.111	Battery 1#	/
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	37850/2580	20M QPSK 50%RB#0	0.315	0.141	0.13	14.93	16.00	0.403	Battery 1#	/
Main Antenna										
Right cheek	37850/2580	20M QPSK 1RB#50	0.086	0.045	0.05	24.08	25.00	0.107	Battery 1#	/

Table 185: Head SAR test results of LTE Band 38

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#50	0.085	0.047	-0.09	21.74	23.00	0.114	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.094	0.056	-0.19	21.74	23.00	0.126	Battery 1#	/
Front Side	15mm	38150/2610	20M QPSK 50%RB#50	0.099	0.055	-0.07	22.03	23.00	0.124	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 50%RB#50	0.117	0.067	-0.07	22.03	23.00	0.146	Battery 1#	Yes
Back Side	15mm	38150/2610	20M QPSK 50%RB#50	0.088	0.052	-0.19	22.03	23.00	0.110	Battery 2#	/
Back Side	15mm	37850/2580	20M QPSK 50%RB#50	0.084	0.047	-0.11	22.02	23.00	0.105	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#50	0.090	0.050	-0.14	22.00	23.00	0.114	Battery 1#	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.114	0.057	0.00	21.72	23.00	0.153	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#50	0.085	0.047	0.03	24.08	25.00	0.105	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.157	0.086	-0.13	24.08	25.00	0.194	Battery 1#	/
Front Side	15mm	38000/2595	20M QPSK 50%RB#25	0.082	0.045	0.03	23.23	24.00	0.098	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#25	0.142	0.078	-0.09	23.23	24.00	0.170	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.153	0.084	-0.10	24.08	25.00	0.189	Battery 2#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	0.160	0.088	0.02	23.92	25.00	0.205	Battery 1#	Yes
Back Side	15mm	38150/2610	20M QPSK 1RB#0	0.159	0.087	0.11	23.93	25.00	0.203	Battery 1#	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.158	0.087	-0.10	23.01	25.00	0.250	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.094	0.047	0.04	21.72	23.00	0.126	Battery 1#	/
		37850/2580(PCC)	20M QPSK 1RB#0								
Main Antenna											
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.098	0.051	-0.15	23.01	25.00	0.154	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								

Table 186: Body-Worn SAR test results of LTE Band 38

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.065	-0.12	20.44	21.50	0.162	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.238	0.116	0.12	20.44	21.50	0.304	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.046	0.19	20.44	21.50	0.162	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 1RB#99	0.232	0.120	-0.06	20.44	21.50	0.296	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#0	0.127	0.064	-0.06	20.64	21.50	0.155	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#0	0.264	0.125	-0.01	20.64	21.50	0.322	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 50%RB#0	0.150	0.056	-0.05	20.64	21.50	0.183	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.278	0.142	0.01	20.64	21.50	0.339	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.285	0.143	-0.11	20.64	21.50	0.347	Battery 2#	/
Top Side	10mm	37850/2580	20M QPSK 50%RB#0	0.257	0.129	-0.07	20.58	21.50	0.318	Battery 2#	/
Top Side	10mm	38000/2595	20M QPSK 50%RB#0	0.270	0.135	-0.06	20.51	21.50	0.339	Battery 2#	/
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.320	0.163	-0.01	20.26	21.50	0.426	Battery 2#	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	10mm	37850/2580	20M QPSK 1RB#50	0.109	0.056	-0.13	22.15	23.00	0.133	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 1RB#50	0.197	0.104	0.04	22.15	23.00	0.240	Battery 1#	/
Right Side	10mm	37850/2580	20M QPSK 1RB#50	0.049	0.025	-0.05	22.15	23.00	0.060	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 1RB#50	0.295	0.143	0.03	22.15	23.00	0.359	Battery 1#	/
Front Side	10mm	37850/2580	20M QPSK 50%RB#0	0.111	0.056	-0.17	22.39	23.00	0.128	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 50%RB#0	0.223	0.117	-0.04	22.39	23.00	0.257	Battery 1#	/
Right Side	10mm	37850/2580	20M QPSK 50%RB#0	0.054	0.027	0.15	22.39	23.00	0.062	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.310	0.150	0.04	22.39	23.00	0.357	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.345	0.171	-0.11	22.39	23.00	0.397	Battery 2#	/
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#0	0.331	0.163	-0.19	22.31	23.00	0.388	Battery 2#	/
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#0	0.301	0.149	-0.10	22.28	23.00	0.355	Battery 2#	/
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.388	0.150	0.00	21.20	23.00	0.587	Battery 2#	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.103	0.052	-0.08	20.26	21.50	0.137	Battery 2#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.204	0.102	0.15	21.20	23.00	0.309	Battery 2#	/
		37952/2590.2(SCC)	20M QPSK 1RB#99								

Table 187: Hotspot SAR test results of LTE Band 38

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.065	-0.12	20.44	23.00	0.229	Yes
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.238	0.116	0.12	20.44	23.00	0.429	Yes
Left Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.046	0.19	20.44	23.00	0.229	Yes
Top Side	10mm	38150/2610	20M QPSK 1RB#99	0.232	0.120	-0.06	20.44	23.00	0.418	Yes
Front Side	10mm	38150/2610	20M QPSK 50%RB#0	0.127	0.064	-0.06	20.64	23.00	0.219	Yes
Back Side	10mm	38150/2610	20M QPSK 50%RB#0	0.264	0.125	-0.01	20.64	23.00	0.455	Yes
Left Side	10mm	38150/2610	20M QPSK 50%RB#0	0.150	0.056	-0.05	20.64	23.00	0.258	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.278	0.142	0.01	20.64	23.00	0.479	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.285	0.143	-0.11	20.64	23.00	0.491	Yes
Top Side	10mm	37850/2580	20M QPSK 50%RB#0	0.257	0.129	-0.07	20.58	23.00	0.449	Yes
Top Side	10mm	38000/2595	20M QPSK 50%RB#0	0.270	0.135	-0.06	20.51	23.00	0.479	Yes
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.320	0.163	-0.01	20.26	23.00	0.601	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Main Antenna										
Front Side	10mm	37850/2580	20M QPSK 1RB#50	0.109	0.056	-0.13	22.15	25.00	0.210	Yes
Back Side	10mm	37850/2580	20M QPSK 1RB#50	0.197	0.104	0.04	22.15	25.00	0.380	Yes
Right Side	10mm	37850/2580	20M QPSK 1RB#50	0.049	0.025	-0.05	22.15	25.00	0.095	Yes
Bottom Side	10mm	37850/2580	20M QPSK 1RB#50	0.295	0.143	0.03	22.15	25.00	0.569	Yes
Front Side	10mm	37850/2580	20M QPSK 50%RB#0	0.111	0.056	-0.17	22.39	24.00	0.161	Yes
Back Side	10mm	37850/2580	20M QPSK 50%RB#0	0.223	0.117	-0.04	22.39	24.00	0.323	Yes
Right Side	10mm	37850/2580	20M QPSK 50%RB#0	0.054	0.027	0.15	22.39	24.00	0.078	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.310	0.150	0.04	22.39	24.00	0.449	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.345	0.171	-0.11	22.39	24.00	0.500	Yes
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#0	0.331	0.163	-0.19	22.31	24.00	0.488	Yes
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#0	0.301	0.149	-0.10	22.28	24.00	0.447	Yes
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.388	0.150	0.00	21.20	25.00	0.931	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99							
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.103	0.052	-0.08	20.26	23.00	0.194	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Main Antenna										
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.204	0.102	0.15	21.20	25.00	0.489	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99							

Table 188: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.14 SAR measurement Result of LTE Band 41

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g				Result(W/kg)		
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	40140/2545	20M QPSK 1RB#0	0.086	0.040	0.05	14.88	16.20	0.116	Battery 1#	/
Left tilt	40140/2545	20M QPSK 1RB#0	0.106	0.052	0.02	14.88	16.20	0.144	Battery 1#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.208	0.093	-0.05	14.88	16.20	0.282	Battery 1#	/
Right tilt	40140/2545	20M QPSK 1RB#0	0.308	0.126	-0.05	14.88	16.20	0.417	Battery 1#	Yes
Left cheek	41140/2645	20M QPSK 50%RB#25	0.123	0.057	0.16	15.12	16.20	0.158	Battery 1#	/
Left tilt	41140/2645	20M QPSK 50%RB#25	0.101	0.049	0.07	15.12	16.20	0.130	Battery 1#	/
Right cheek	41140/2645	20M QPSK 50%RB#25	0.256	0.106	-0.10	15.12	16.20	0.328	Battery 1#	/
Right tilt	41140/2645	20M QPSK 50%RB#25	0.206	0.104	-0.19	15.12	16.20	0.264	Battery 1#	/
Right tilt	40140/2545	20M QPSK 1RB#0	0.253	0.103	0.06	14.88	16.20	0.343	Battery 2#	/
Right tilt	40473/2578.3	20M QPSK 1RB#0	0.285	0.118	0.08	14.83	16.20	0.391	Battery 1#	/
Right tilt	40807/2611.7	20M QPSK 1RB#0	0.278	0.115	0.06	14.76	16.20	0.387	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.249	0.102	-0.02	14.82	16.20	0.342	Battery 1#	/
Right tilt	40473/2578.3(PCC)	20M QPSK 1RB#99	0.248	0.110	0.01	14.92	16.20	0.333	Battery 1#	/
	40671/2598.1(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	41140/2645	20M QPSK 1RB#0	0.056	0.030	0.16	24.14	25.20	0.071	Battery 1#	/
Left tilt	41140/2645	20M QPSK 1RB#0	0.042	0.021	0.13	24.14	25.20	0.054	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.096	0.050	0.00	24.14	25.20	0.123	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.019	0.007	0.16	24.14	25.20	0.024	Battery 1#	/
Left cheek	40140/2545	20M QPSK 50%RB#0	0.055	0.029	0.05	23.10	24.20	0.071	Battery 1#	/
Left tilt	40140/2545	20M QPSK 50%RB#0	0.038	0.019	0.09	23.10	24.20	0.049	Battery 1#	/
Right cheek	40140/2545	20M QPSK 50%RB#0	0.087	0.046	0.01	23.10	24.20	0.112	Battery 1#	/
Right tilt	40140/2545	20M QPSK 50%RB#0	0.020	0.010	0.19	23.10	24.20	0.026	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.097	0.049	0.04	24.14	25.20	0.123	Battery 2#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.106	0.056	0.19	24.00	25.20	0.140	Battery 2#	Yes
Right cheek	40473/2578.3	20M QPSK 1RB#0	0.103	0.054	0.18	23.98	25.20	0.136	Battery 2#	/
Right cheek	40807/2611.7	20M QPSK 1RB#0	0.100	0.052	0.11	23.99	25.20	0.132	Battery 2#	/
Right cheek	40473/2578.3(PCC)	20M QPSK 1RB#99	0.093	0.047	0.16	23.91	23.50	0.084	Battery 2#	/
	40671/2598.1(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	40140/2545	20M QPSK 1RB#0	0.180	0.079	0.07	14.88	16.20	0.244	Battery 1#	/
Main Antenna										
Right cheek	40140/2545	20M QPSK 1RB#0	0.084	0.044	0.00	24.00	25.20	0.111	Battery 2#	/

Table 189: Head SAR test results of LTE Band 41

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.117	0.063	0.09	22.95	24.20	0.156	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.135	0.069	-0.19	22.95	24.20	0.180	Battery 1#	/
Front Side	15mm	41140/2645	20M QPSK 50%RB#50	0.082	0.044	-0.12	22.00	23.20	0.108	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 50%RB#50	0.093	0.045	0.01	22.00	23.20	0.122	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.148	0.074	-0.08	22.95	24.20	0.197	Battery 2#	Yes
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.069	0.039	-0.07	22.82	24.20	0.095	Battery 2#	/
Back Side	15mm	40473/2578.3	20M QPSK 1RB#50	0.083	0.046	0.11	22.84	24.20	0.113	Battery 2#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.105	0.056	-0.13	22.79	24.20	0.145	Battery 2#	/
Back Side	15mm	41140/2645(PCC)	20M QPSK 1RB#0	0.118	0.058	-0.14	22.93	24.20	0.158	Battery 2#	/
		40942/2625.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.098	0.053	-0.17	24.14	25.20	0.125	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.183	0.099	-0.04	24.14	25.20	0.234	Battery 1#	/
Front Side	15mm	40140/2545	20M QPSK 50%RB#0	0.090	0.049	-0.06	23.10	24.20	0.116	Battery 1#	/
Back Side	15mm	40140/2545	20M QPSK 50%RB#0	0.135	0.075	0.15	23.10	24.20	0.174	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.231	0.125	-0.03	24.14	25.20	0.295	Battery 2#	/
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.233	0.128	0.00	24.00	25.20	0.307	Battery 2#	Yes
Back Side	15mm	40473/2578.3	20M QPSK 1RB#0	0.230	0.126	-0.09	23.98	25.20	0.305	Battery 2#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.178	0.097	0.06	23.99	25.20	0.235	Battery 2#	/
Back Side	15mm	40473/2578.3(PCC)	20M QPSK 1RB#99	0.161	0.088	0.02	23.91	25.20	0.217	Battery 2#	/
		40671/2598.1(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.085	0.042	-0.16	22.95	24.20	0.113	Battery 2#	/
Main Antenna											
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.103	0.054	-0.07	24.00	25.20	0.136	Battery 2#	/

Table 190: Body-Worn SAR test results of LTE Band 41

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.128	0.066	-0.18	21.48	22.70	0.170	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.173	0.092	-0.17	21.48	22.70	0.229	Battery 1#	/
Left Side	10mm	40140/2545	20M QPSK 1RB#0	0.116	0.046	0.17	21.48	22.70	0.154	Battery 1#	/
Top Side	10mm	40140/2545	20M QPSK 1RB#0	0.334	0.168	0.07	21.48	22.70	0.442	Battery 1#	/
Front Side	10mm	40140/2545	20M QPSK 50%RB#0	0.130	0.067	0.18	21.59	22.70	0.168	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#0	0.180	0.096	-0.10	21.59	22.70	0.232	Battery 1#	/
Left Side	10mm	40140/2545	20M QPSK 50%RB#0	0.137	0.054	0.16	21.59	22.70	0.177	Battery 1#	/
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.362	0.182	-0.04	21.59	22.70	0.467	Battery 1#	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.336	0.171	0.02	21.59	22.70	0.434	Battery 2#	/
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.338	0.173	0.01	21.51	22.70	0.445	Battery 1#	/
Top Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.313	0.162	-0.07	21.48	22.70	0.415	Battery 1#	/
Top Side	10mm	41140/2645	20M QPSK 50%RB#0	0.229	0.120	-0.12	21.58	22.70	0.296	Battery 1#	/
Top Side	10mm	41140/2645(PCC)	20M QPSK 1RB#0	0.243	0.127	0.04	21.36	22.70	0.331	Battery 1#	/
		40942/2625.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.124	0.065	-0.10	22.17	23.20	0.157	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.269	0.145	-0.11	22.17	23.20	0.341	Battery 1#	/
Right Side	10mm	40140/2545	20M QPSK 1RB#0	0.068	0.034	-0.04	22.17	23.20	0.086	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 1RB#0	0.375	0.188	-0.12	22.17	23.20	0.475	Battery 1#	/
Front Side	10mm	40140/2545	20M QPSK 50%RB#50	0.122	0.063	-0.12	22.22	23.20	0.153	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.243	0.131	-0.13	22.22	23.20	0.305	Battery 1#	/
Right Side	10mm	40140/2545	20M QPSK 50%RB#50	0.065	0.033	-0.13	22.22	23.20	0.081	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.378	0.189	-0.04	22.22	23.20	0.474	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.313	0.156	-0.03	22.22	23.20	0.392	Battery 2#	/
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.316	0.156	0.04	22.21	23.20	0.397	Battery 1#	/
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.369	0.180	0.13	22.11	23.20	0.474	Battery 1#	/
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.395	0.193	0.11	22.19	23.20	0.498	Battery 1#	Yes
Bottom Side	10mm	40807/2611.7(PCC)	20M QPSK 1RB#0	0.285	0.141	0.14	22.09	23.20	0.368	Battery 1#	/
		40609/2591.9(SCC)	20M QPSK 1RB#99								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.213	0.113	-0.12	21.59	22.70	0.275	Battery 1#	/
Main Antenna											
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.211	0.105	-0.07	22.19	23.20	0.266	Battery 1#	/

Table 191: Hotspot SAR test results of LTE Band 41



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.128	0.066	-0.18	21.48	24.20	0.239	Yes
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.173	0.092	-0.17	21.48	24.20	0.324	Yes
Left Side	10mm	40140/2545	20M QPSK 1RB#0	0.116	0.046	0.17	21.48	24.20	0.217	Yes
Top Side	10mm	40140/2545	20M QPSK 1RB#0	0.334	0.168	0.07	21.48	24.20	0.625	Yes
Front Side	10mm	40140/2545	20M QPSK 50%RB#0	0.130	0.067	0.18	21.59	23.20	0.188	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#0	0.180	0.096	-0.10	21.59	23.20	0.261	Yes
Left Side	10mm	40140/2545	20M QPSK 50%RB#0	0.137	0.054	0.16	21.59	23.20	0.198	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.362	0.182	-0.04	21.59	23.20	0.524	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.336	0.171	0.02	21.59	23.20	0.487	Yes
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.338	0.173	0.01	21.51	23.20	0.499	Yes
Top Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.313	0.162	-0.07	21.48	23.20	0.465	Yes
Top Side	10mm	41140/2645	20M QPSK 50%RB#0	0.229	0.120	-0.12	21.58	23.20	0.333	Yes
Top Side	10mm	41140/2645 (PCC)	20M QPSK 1RB#0	0.243	0.127	0.04	21.36	24.20	0.467	Yes
		40942/2625.2 (SCC)	20M QPSK 1RB#99							
Main Antenna										
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.124	0.065	-0.10	22.17	25.20	0.249	Yes
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.269	0.145	-0.11	22.17	25.20	0.540	Yes
Right Side	10mm	40140/2545	20M QPSK 1RB#0	0.068	0.034	-0.04	22.17	25.20	0.136	Yes
Bottom Side	10mm	40140/2545	20M QPSK 1RB#0	0.375	0.188	-0.12	22.17	25.20	0.753	Yes
Front Side	10mm	40140/2545	20M QPSK 50%RB#50	0.122	0.063	-0.12	22.22	24.20	0.192	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.243	0.131	-0.13	22.22	24.20	0.383	Yes
Right Side	10mm	40140/2545	20M QPSK 50%RB#50	0.065	0.033	-0.13	22.22	24.20	0.102	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.378	0.189	-0.04	22.22	24.20	0.596	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.313	0.156	-0.03	22.22	24.20	0.494	Yes
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.316	0.156	0.04	22.21	24.20	0.500	Yes
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.369	0.180	0.13	22.11	24.20	0.597	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.395	0.193	0.11	22.19	24.20	0.627	Yes
Bottom Side	10mm	40807/2611.7 (PCC)	20M QPSK 1RB#0	0.285	0.141	0.14	22.09	25.20	0.583	Yes
		40609/2591.9 (SCC)	20M QPSK 1RB#99							
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.213	0.113	-0.12	21.59	23.20	0.309	Yes
Main Antenna										
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.211	0.105	-0.07	22.19	24.20	0.335	Yes

Table 192: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

### 7.2.15 SAR measurement Result of LTE Band 66

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	132072/1720	20M QPSK 1RB#0	0.146	0.071	0.07	14.55	16.20	0.213	Battery 1#	/
Left tilt	132072/1720	20M QPSK 1RB#0	0.230	0.108	0.15	14.55	16.20	0.336	Battery 1#	/
Right cheek	132072/1720	20M QPSK 1RB#0	0.174	0.098	0.03	14.55	16.20	0.254	Battery 1#	/
Right tilt	132072/1720	20M QPSK 1RB#0	0.204	0.110	-0.01	14.55	16.20	0.298	Battery 1#	/
Left cheek	132572/1770	20M QPSK 50%RB#50	0.115	0.059	0.09	14.50	16.20	0.170	Battery 1#	/
Left tilt	132572/1770	20M QPSK 50%RB#50	0.195	0.093	-0.15	14.50	16.20	0.288	Battery 1#	/
Right cheek	132572/1770	20M QPSK 50%RB#50	0.179	0.099	-0.11	14.50	16.20	0.265	Battery 1#	/
Right tilt	132572/1770	20M QPSK 50%RB#50	0.253	0.122	-0.01	14.50	16.20	0.374	Battery 1#	/
Right tilt	132572/1770	20M QPSK 50%RB#50	0.262	0.128	-0.01	14.50	16.20	0.388	Battery 2#	Yes
Right tilt	132072/1720	20M QPSK 50%RB#25	0.254	0.124	-0.02	14.41	16.20	0.384	Battery 2#	/
Right tilt	132322/1745	20M QPSK 50%RB#50	0.258	0.125	-0.03	14.49	16.20	0.382	Battery 2#	/
Main Antenna										
Left cheek	132322/1745	20M QPSK 1RB#0	0.144	0.088	0.04	23.41	25.20	0.217	Battery 1#	/
Left tilt	132322/1745	20M QPSK 1RB#0	0.081	0.044	0.04	23.41	25.20	0.122	Battery 1#	/
Right cheek	132322/1745	20M QPSK 1RB#0	0.124	0.081	0.14	23.41	25.20	0.187	Battery 1#	/
Right tilt	132322/1745	20M QPSK 1RB#0	0.079	0.047	-0.12	23.41	25.20	0.120	Battery 1#	/
Left cheek	132322/1745	20M QPSK 50%RB#50	0.107	0.062	0.01	22.34	24.20	0.164	Battery 1#	/
Left tilt	132322/1745	20M QPSK 50%RB#50	0.061	0.033	0.14	22.34	24.20	0.093	Battery 1#	/
Right cheek	132322/1745	20M QPSK 50%RB#50	0.091	0.055	0.17	22.34	24.20	0.139	Battery 1#	/
Right tilt	132322/1745	20M QPSK 50%RB#50	0.063	0.037	0.17	22.34	24.20	0.097	Battery 1#	/
Left cheek	132322/1745	20M QPSK 1RB#0	0.152	0.089	0.10	23.41	25.20	0.230	Battery 2#	Yes
Left cheek	132072/1720	20M QPSK 1RB#99	0.148	0.090	0.10	23.32	25.20	0.228	Battery 2#	/
Left cheek	132572/1770	20M QPSK 1RB#99	0.138	0.074	0.08	23.38	25.20	0.210	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	132572/1770	20M QPSK 50%RB#50	0.205	0.100	0.03	14.50	16.20	0.303	Battery 2#	/
Main Antenna										
Left cheek	132322/1745	20M QPSK 1RB#0	0.097	0.047	0.14	23.41	25.20	0.146	Battery 2#	/

Table 193: Head SAR test results of LTE Band 66

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	132572/1770	20M QPSK 1RB#99	0.111	0.064	-0.18	21.60	23.20	0.161	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#99	0.197	0.121	-0.13	21.60	23.20	0.285	Battery 1#	/
Front Side	15mm	132322/1745	20M QPSK 50%RB#0	0.114	0.067	-0.09	21.53	23.20	0.168	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.226	0.139	-0.10	21.53	23.20	0.332	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.243	0.149	-0.12	21.53	23.20	0.357	Battery 2#	Yes
Back Side	15mm	132072/1720	20M QPSK 50%RB#0	0.238	0.147	-0.18	21.49	23.20	0.353	Battery 2#	/
Back Side	15mm	132572/1770	20M QPSK 50%RB#50	0.204	0.125	-0.03	21.43	23.20	0.306	Battery 2#	/
Main Antenna											
Front Side	15mm	132322/1745	20M QPSK 1RB#0	0.239	0.152	-0.19	23.41	25.20	0.361	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.314	0.218	-0.06	23.41	25.20	0.474	Battery 1#	Yes
Front Side	15mm	132322/1745	20M QPSK 50%RB#50	0.177	0.112	-0.08	22.34	24.20	0.272	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#50	0.232	0.145	-0.13	22.34	24.20	0.356	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.259	0.178	-0.12	23.41	25.20	0.391	Battery 2#	/
Back Side	15mm	132072/1720	20M QPSK 1RB#99	0.246	0.169	-0.01	23.32	25.20	0.379	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#99	0.253	0.173	-0.03	23.38	25.20	0.385	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.086	0.051	0.12	21.53	23.20	0.127	Battery 2#	/
Main Antenna											
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.120	0.073	-0.16	23.41	25.20	0.181	Battery 1#	/

Table 194: Body-Worn SAR test results of LTE Band 66

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	132572/1770	20M QPSK 1RB#99	0.098	0.056	-0.06	18.12	19.70	0.141	Battery 1#	/
Back Side	10mm	132572/1770	20M QPSK 1RB#99	0.218	0.122	0.03	18.12	19.70	0.313	Battery 1#	/
Left Side	10mm	132572/1770	20M QPSK 1RB#99	0.042	0.024	-0.03	18.12	19.70	0.061	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.291	0.157	-0.03	18.12	19.70	0.418	Battery 1#	Yes
Front Side	10mm	132572/1770	20M QPSK 50%RB#50	0.097	0.054	0.02	17.99	19.70	0.143	Battery 1#	/
Back Side	10mm	132572/1770	20M QPSK 50%RB#50	0.201	0.114	-0.16	17.99	19.70	0.298	Battery 1#	/
Left Side	10mm	132572/1770	20M QPSK 50%RB#50	0.042	0.023	0.14	17.99	19.70	0.062	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 50%RB#50	0.255	0.134	0.09	17.99	19.70	0.378	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.268	0.147	0.00	18.12	19.70	0.385	Battery 2#	/
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.287	0.161	0.04	18.08	19.70	0.417	Battery 1#	/
Top Side	10mm	132322/1745	20M QPSK 1RB#99	0.271	0.150	-0.03	18.03	19.70	0.398	Battery 1#	/
Main Antenna											
Front Side	10mm	132072/1720	20M QPSK 1RB#0	0.179	0.111	-0.17	20.50	22.20	0.265	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 1RB#0	0.218	0.148	-0.10	20.50	22.20	0.322	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 1RB#0	0.172	0.089	-0.17	20.50	22.20	0.254	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.274	0.160	-0.13	20.50	22.20	0.405	Battery 1#	/
Front Side	10mm	132322/1745	20M QPSK 50%RB#0	0.165	0.104	-0.15	20.34	22.20	0.253	Battery 1#	/
Back Side	10mm	132322/1745	20M QPSK 50%RB#0	0.218	0.147	-0.02	20.34	22.20	0.335	Battery 1#	/
Right Side	10mm	132322/1745	20M QPSK 50%RB#0	0.168	0.085	-0.14	20.34	22.20	0.258	Battery 1#	/
Bottom Side	10mm	132322/1745	20M QPSK 50%RB#0	0.252	0.147	-0.19	20.34	22.20	0.387	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.242	0.140	-0.16	20.50	22.20	0.358	Battery 2#	/
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.275	0.160	-0.16	20.46	22.20	0.411	Battery 1#	Yes
Bottom Side	10mm	132572/1770	20M QPSK 1RB#0	0.241	0.138	0.01	20.47	22.20	0.359	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.188	0.101	-0.07	18.12	19.70	0.270	Battery 1#	/
Main Antenna											
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.143	0.082	-0.12	20.46	22.20	0.214	Battery 1#	/

Table 195: Hotspot SAR test results of LTE Band 66

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	132572/1770	20M QPSK 1RB#99	0.098	0.056	-0.06	18.12	23.20	0.316	Yes
Back Side	10mm	132572/1770	20M QPSK 1RB#99	0.218	0.122	0.03	18.12	23.20	0.702	Yes
Left Side	10mm	132572/1770	20M QPSK 1RB#99	0.042	0.024	-0.03	18.12	23.20	0.136	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.291	0.157	-0.03	18.12	23.20	0.937	Yes
Front Side	10mm	132572/1770	20M QPSK 50%RB#50	0.097	0.054	0.02	17.99	23.20	0.321	Yes
Back Side	10mm	132572/1770	20M QPSK 50%RB#50	0.201	0.114	-0.16	17.99	23.20	0.668	Yes
Left Side	10mm	132572/1770	20M QPSK 50%RB#50	0.042	0.023	0.14	17.99	23.20	0.140	Yes
Top Side	10mm	132572/1770	20M QPSK 50%RB#50	0.255	0.134	0.09	17.99	23.20	0.847	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.268	0.147	0.00	18.12	23.20	0.863	Yes
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.287	0.161	0.04	18.08	23.20	0.933	Yes
Top Side	10mm	132322/1745	20M QPSK 1RB#99	0.271	0.150	-0.03	18.03	23.20	0.891	Yes
Main Antenna										
Front Side	10mm	132072/1720	20M QPSK 1RB#0	0.179	0.111	-0.17	20.50	25.20	0.528	Yes
Back Side	10mm	132072/1720	20M QPSK 1RB#0	0.218	0.148	-0.10	20.50	25.20	0.643	Yes
Right Side	10mm	132072/1720	20M QPSK 1RB#0	0.172	0.089	-0.17	20.50	25.20	0.508	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.274	0.160	-0.13	20.50	25.20	0.809	Yes
Front Side	10mm	132322/1745	20M QPSK 50%RB#0	0.165	0.104	-0.15	20.34	25.20	0.505	Yes
Back Side	10mm	132322/1745	20M QPSK 50%RB#0	0.218	0.147	-0.02	20.34	25.20	0.668	Yes
Right Side	10mm	132322/1745	20M QPSK 50%RB#0	0.168	0.085	-0.14	20.34	25.20	0.514	Yes
Bottom Side	10mm	132322/1745	20M QPSK 50%RB#0	0.252	0.147	-0.19	20.34	25.20	0.772	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.242	0.140	-0.16	20.50	25.20	0.714	Yes
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.275	0.160	-0.16	20.46	25.20	0.819	Yes
Bottom Side	10mm	132572/1770	20M QPSK 1RB#0	0.241	0.138	0.01	20.47	25.20	0.716	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.188	0.101	-0.07	18.12	19.70	0.270	Yes
Main Antenna										
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.143	0.082	-0.12	20.46	25.20	0.426	Yes

Table 196: Product Specific 10-g SAR test reduction evaluation of LTE Band 66

Note: According to the table above , Product Specific 10-g SAR test is not required for this frequency band.

## 7.2.16 SAR measurement Result of WiFi 2.4G

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Left cheek	/	11/2462	802.11b	0.398	0.383	0.157	0.06	99%	0.387	9.61	10.50	0.475	Battery 1#	/
Left tilt	/	11/2462	802.11b	0.320	0.326	0.125	0.04	99%	0.329	9.61	10.50	0.404	Battery 1#	/
Right cheek	/	11/2462	802.11b	0.147	/	/	0.08	99%	/	9.61	10.50	/	Battery 1#	/
Right tilt	/	11/2462	802.11b	0.115	/	/	0.01	99%	/	9.61	10.50	/	Battery 1#	/
Left cheek	/	11/2462	802.11b	0.423	0.412	0.167	0.11	99%	0.416	9.61	10.50	0.511	Battery 2#	Yes
Left cheek	/	1/2412	802.11b	0.219	0.189	0.082	0.02	99%	0.191	8.87	10.50	0.278	Battery 2#	/
Left cheek	/	6/2437	802.11b	0.292	0.260	0.111	0.10	99%	0.263	9.32	10.50	0.345	Battery 2#	/
Ant 6(Core 1)														
Left cheek	/	6/2437	802.11b	0.006	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Left tilt	/	6/2437	802.11b	0.006	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Right cheek	/	6/2437	802.11b	0.048	0.043	0.016	0.00	99%	0.043	9.87	10.50	0.050	Battery 1#	/
Right tilt	/	6/2437	802.11b	0.044	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Right cheek	/	6/2437	802.11b	0.057	0.040	0.015	0.00	99%	0.041	9.87	10.50	0.047	Battery 2#	/
Right cheek	/	1/2412	802.11b	0.061	0.062	0.024	0.00	99%	0.062	9.20	10.50	0.084	Battery 1#	Yes
Right cheek	/	11/2462	802.11b	0.062	0.049	0.018	0.00	99%	0.050	9.34	10.50	0.065	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Left cheek	/	11/2462	802.11b	0.177	0.216	0.086	0.10	99%	0.218	9.61	10.50	0.268	Battery 2#	/
Ant 6(Core 1)														
Right cheek	/	1/2412	802.11b	0.014	0.022	0.007	0.00	99%	0.022	9.20	10.50	0.029	Battery 1#	/

Table 197: Head SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data of WiFi 2.4G MIMO with Ant 5(Core 0)													
Left cheek	5/2432	802.11n(40M)	0.239	/	/	-0.09	95%	/	9.92	10.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	0.238	0.232	0.092	-0.06	95%	0.244	9.92	10.50	0.279	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.090	/	/	0.08	95%	/	9.92	10.50	/	Battery 1#	/
Right tilt	5/2432	802.11n(40M)	0.108	/	/	0.00	95%	/	9.92	10.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	0.231	0.244	0.096	-0.13	95%	0.257	9.92	10.50	0.294	Battery 2#	/
Left tilt	4/2427	802.11n(40M)	0.300	0.295	0.110	0.04	95%	0.311	9.89	10.50	0.357	Battery 2#	/
Left tilt	6/2437	802.11n(40M)	0.318	0.296	0.118	0.06	95%	0.312	9.69	10.50	0.375	Battery 2#	/
Test data of WiFi 2.4G MIMO with Ant 6(Core 1)													
Left cheek	5/2432	802.11n(40M)	<0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	<0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.001	0.001	0.000	0.00	95%	0.001	9.68	12.50	0.002	Battery 1#	/
Right tilt	5/2432	802.11n(40M)	0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.043	0.041	0.014	0.00	95%	0.043	9.68	12.50	0.052	Battery 2#	/
Right cheek	4/2427	802.11n(40M)	<0.001	<0.001	0.000	0.00	95%	<0.001	8.96	12.50	<0.001	Battery 2#	/
Right cheek	6/2437	802.11n(40M)	0.004	0.005	0.001	0.00	95%	0.005	9.19	12.50	0.006	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data of WiFi 2.4G MIMO with Ant 5(Core 0)													
Left tilt	6/2437	802.11n(40M)	0.058	0.063	0.027	0.18	95%	0.066	9.69	10.50	0.080	Battery 2#	/
Test data of WiFi 2.4G MIMO with Ant 6(Core 1)													
Left tilt	5/2432	802.11n(40M)	0.012	0.011	0.007	0.00	95%	0.011	9.69	10.50	0.013	Battery 2#	/

Table 198: Head SAR test results of WiFi 2.4G MIMO

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 2.4G CDD/MIMO, SAR is measured for 2.4 GHz OFDM 802.11n(40M) using the initial test position procedure. The highest reported SAR for OFDM 802.11n(40M) is adjusted by the ratio of OFDM 802.11g and OFDM 802.11n(20M) to OFDM 802.11n(40M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g and 802.11n(20M) is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD/MIMO SAR test is performed on 4CH/5CH/6CH according to the max tune-up power to ensure compliance.

Test Position of Head	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Left cheek	/	802.11n(40M)	0.375	0.052	0.427
Left tilt	/	802.11n(40M)	0.375	0.052	0.427
Right cheek	/	802.11n(40M)	0.375	0.052	0.427
Right tilt	/	802.11n(40M)	0.375	0.052	0.427

Table 199: Head SAR of WiFi 2.4G CDD/MIMO calculation

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Front Side	15mm	11/2462	802.11 b	0.137	/	/	0.15	99%	/	18.00	19.00	/	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.174	0.174	0.099	-0.11	99%	0.176	18.00	19.00	0.221	Battery 1#	Yes
Back Side	15mm	11/2462	802.11 b	0.157	0.157	0.089	-0.18	99%	0.159	18.00	19.00	0.200	Battery 2#	/
Back Side	15mm	1/2412	802.11 b	0.085	0.085	0.048	-0.17	99%	0.085	17.69	19.00	0.116	Battery 1#	/
Back Side	15mm	6/2437	802.11 b	0.103	0.102	0.059	-0.15	99%	0.103	17.82	19.00	0.135	Battery 1#	/
Ant 6(Core 1)														
Front Side	15mm	11/2462	802.11 b	0.012	/	/	0.17	99%	/	17.81	18.50	/	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.101	0.099	0.046	-0.15	99%	0.100	17.81	18.50	0.118	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.101	0.098	0.046	-0.16	99%	0.099	17.81	18.50	0.117	Battery 2#	/
Back Side	15mm	1/2412	802.11 b	0.137	0.138	0.063	0.03	99%	0.139	17.52	18.50	0.175	Battery 1#	Yes
Back Side	15mm	6/2437	802.11 b	0.089	0.092	0.043	-0.17	99%	0.093	17.07	18.50	0.129	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Back Side	15mm	11/2462	802.11 b	0.078	0.075	0.042	-0.10	99%	0.076	18.00	19.00	0.095	Battery 1#	/
Ant 6(Core 1)														
Back Side	15mm	1/2412	802.11 b	0.046	0.042	0.019	0.07	99%	0.042	17.52	18.50	0.053	Battery 1#	/

Table 200: Body-Worn SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Body SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.



Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Front Side	15mm	2/2417	802.11g	0.007	0.005	0.003	0.03	98%	0.006	16.23	18.00	0.008	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.061	0.061	0.029	-0.09	98%	0.063	16.23	18.00	0.094	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.055	0.056	0.026	0.05	98%	0.057	16.23	18.00	0.086	Battery 2#	/
Back Side	15mm	6/2437	802.11g	0.063	0.063	0.029	0.09	98%	0.064	16.17	18.00	0.098	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.059	0.059	0.028	-0.06	98%	0.061	16.22	18.00	0.091	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Front Side	15mm	10/2457	802.11g	0.048	0.048	0.028	0.09	98%	0.049	15.84	17.50	0.071	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.079	0.080	0.043	-0.11	98%	0.081	15.84	17.50	0.119	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.075	0.074	0.041	-0.01	98%	0.075	15.84	17.50	0.111	Battery 2#	/
Back Side	15mm	2/2417	802.11g	0.081	0.080	0.042	0.12	98%	0.081	15.69	17.50	0.123	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.086	0.080	0.044	0.14	98%	0.082	15.58	17.50	0.127	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Back Side	15mm	6/2437	802.11g	0.057	0.058	0.035	-0.15	98%	0.059	16.17	18.00	0.090	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Back Side	15mm	6/2437	802.11g	0.016	0.017	0.008	0.10	98%	0.017	15.58	17.50	0.026	Battery 1#	/

Table 201: Body-Worn SAR test results of WiFi 2.4G CDD

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 2.4G CDD/MIMO, SAR is measured for 2.4 GHz OFDM 802.11g using the initial test position procedure. The highest *reported* SAR for OFDM 802.11g is adjusted by the ratio of OFDM 802.11n(20M) and OFDM 802.11n(40M) to OFDM 802.11g specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11 n(20M) and 802.11n(40M) is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD 11g SAR test is performed on 2CH/6CH/10CH according to the max tune-up power to ensure compliance.

Test Position of Body-Worn	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR(W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	15mm	802.11g	0.008	0.071	0.079
Back Side	15mm	802.11g	0.098	0.127	0.225

Table 202: Body-Worn SAR of WiFi 2.4G CDD calculation

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Front Side	10mm	11/2462	802.11 b	0.240	/	/	0.05	99%	/	18.00	19.00	/	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.293	0.296	0.157	-0.13	99%	0.299	18.00	19.00	0.376	Battery 1#	/
Right Side	10mm	11/2462	802.11 b	0.231	/	/	0.16	99%	/	18.00	19.00	/	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.360	0.349	0.185	0.16	99%	0.353	18.00	19.00	0.444	Battery 1#	Yes
Top Side	10mm	11/2462	802.11 b	0.358	0.346	0.183	-0.13	99%	0.349	18.00	19.00	0.440	Battery 2#	/
Top Side	10mm	1/2412	802.11 b	0.236	0.237	0.124	0.06	99%	0.239	17.69	19.00	0.324	Battery 1#	/
Top Side	10mm	6/2437	802.11 b	0.311	0.304	0.158	-0.18	99%	0.307	17.82	19.00	0.403	Battery 1#	/
Ant 6(Core 1)														
Front Side	10mm	11/2462	802.11 b	0.026	/	/	-0.14	99%	/	17.81	18.50	/	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.148	/	/	-0.01	99%	/	17.81	18.50	/	Battery 1#	/
Left Side	10mm	11/2462	802.11 b	0.158	0.153	0.065	-0.19	99%	0.155	17.81	18.50	0.181	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.017	/	/	-0.15	99%	/	17.81	18.50	/	Battery 1#	/
Left Side	10mm	11/2462	802.11 b	0.165	0.165	0.069	0.06	99%	0.167	17.81	18.50	0.195	Battery 2#	Yes
Left Side	10mm	1/2412	802.11 b	0.122	0.114	0.042	-0.12	99%	0.115	17.52	18.50	0.144	Battery 2#	/
Left Side	10mm	6/2437	802.11 b	0.067	0.061	0.028	0.03	99%	0.062	17.07	18.50	0.086	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Top Side	10mm	11/2462	802.11 b	0.153	0.141	0.071	-0.14	99%	0.142	18.00	19.00	0.179	Battery 1#	/
Ant 6(Core 1)														
Left Side	10mm	11/2462	802.11 b	0.037	0.032	0.013	0.16	99%	0.032	17.81	18.50	0.038	Battery 2#	/

Table 203: Hotspot SAR test results of WiFi 2.4G SISO

Note:

- 1) Per KDB248227D01, for Hotspot SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for WiFi 2.4G SISO since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) WiFi 2.4G CDD/MIMO does not support hotspot function.

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 10-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Front Side	0mm	2/2417	802.11g	0.606	/	/	0.10	98%	/	16.23	18.00	/	Battery 1#	/
Back Side	0mm	2/2417	802.11g	0.763	2.090	0.724	-0.19	98%	0.739	16.23	18.00	1.110	Battery 1#	/
Left Side	0mm	2/2417	802.11g	0.111	/	/	0.16	98%	/	16.23	18.00	/	Battery 1#	/
Right Side	0mm	2/2417	802.11g	0.149	/	/	0.16	98%	/	16.23	18.00	/	Battery 1#	/
Top Side	0mm	2/2417	802.11g	0.808	2.110	0.776	-0.11	98%	0.792	16.23	18.00	1.190	Battery 1#	/
Top Side	0mm	2/2417	802.11g	0.763	1.810	0.675	0.09	98%	0.689	16.23	18.00	1.035	Battery 2#	/
Top Side	0mm	6/2437	802.11g	1.130	2.880	1.070	0.14	98%	1.092	16.17	18.00	1.664	Battery 1#	Yes
Top Side	0mm	10/2457	802.11g	0.936	2.010	0.794	-0.14	98%	0.810	16.22	18.00	1.221	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Front Side	0mm	10/2457	802.11g	0.071	/	/	0.00	98%	/	15.84	17.50	/	Battery 1#	/
Back Side	0mm	10/2457	802.11g	0.433	1.050	0.374	0.02	98%	0.382	15.84	17.50	0.559	Battery 1#	/
Left Side	0mm	10/2457	802.11g	0.221	0.667	0.229	-0.14	98%	0.234	15.84	17.50	0.342	Battery 1#	/
Right Side	0mm	10/2457	802.11g	0.111	/	/	-0.12	98%	/	15.84	17.50	/	Battery 1#	/
Top Side	0mm	10/2457	802.11g	0.187	0.434	0.155	-0.06	98%	0.158	15.84	17.50	0.232	Battery 1#	/
Back Side	0mm	10/2457	802.11g	0.442	1.260	0.436	-0.03	98%	0.445	15.84	17.50	0.652	Battery 2#	Yes
Back Side	0mm	2/2417	802.11g	0.425	1.020	0.363	0.02	98%	0.370	15.69	17.50	0.562	Battery 2#	/
Back Side	0mm	6/2437	802.11g	0.439	1.250	0.433	-0.03	98%	0.442	15.58	17.50	0.687	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Top Side	0mm	6/2437	802.11g	0.491	1.140	0.452	-0.12	98%	0.461	16.17	18.00	0.703	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Back Side	0mm	10/2457	802.11g	0.196	0.542	0.209	-0.16	98%	0.213	15.84	17.50	0.313	Battery 2#	/

Table 204: Product Specific 10-g SAR test results of WiFi 2.4G CDD

Note:

- 1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 2.4G CDD, SAR is measured for 2.4 GHz OFDM 802.11g using the initial test position procedure. The highest reported SAR for OFDM 802.11g is adjusted by the ratio of OFDM 802.11n(20M) and OFDM 802.11n(40M) to OFDM 802.11g specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11 n(20M) and 802.11n(40M) is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD 11g SAR test is performed on 2CH/6CH/10CH according to the max tune-up power to ensure compliance.

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	0mm	802.11g	1.664	0.687	2.351
Back Side	0mm	802.11g	1.664	0.687	2.351
Left Side	0mm	802.11g	1.664	0.687	2.351
Right Side	0mm	802.11g	1.664	0.687	2.351
Top Side	0mm	802.11g	1.664	0.687	2.351

Table 205: Product Specific 10-g SAR of WiFi 2.4G CDD calculation

## 7.2.17 SAR measurement Result of WiFi 5G

Test Position of Head	Dist.	Test Channel / Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Test data of U-NII-2A band														
Left cheek	/	58/5290	802.11ac(80M)	0.099	0.071	0.022	-0.15	96%	0.074	6.57	8.50	0.116	Battery 1#	/
Left tilt	/	58/5290	802.11ac(80M)	0.041	/	/	0.11	96%	/	6.57	8.50	/	Battery 1#	/
Right cheek	/	58/5290	802.11ac(80M)	0.047	/	/	-0.01	96%	/	6.57	8.50	/	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.050	/	/	-0.17	96%	/	6.57	8.50	/	Battery 1#	/
Left cheek	/	58/5290	802.11ac(80M)	0.011	0.012	0.003	0.08	96%	0.012	6.57	8.50	0.019	Battery 2#	/
Test data of U-NII-2C band														
Left cheek	/	114/5570	802.11ac(160M)	0.060	/	/	0.16	96%	0.000	7.82	8.50	0.000	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.101	0.093	0.026	-0.18	96%	0.097	7.82	8.50	0.115	Battery 1#	/
Right cheek	/	114/5570	802.11ac(160M)	0.057	/	/	0.13	96%	/	7.82	8.50	/	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.063	/	/	-0.15	96%	/	7.82	8.50	/	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.099	0.087	0.023	0.00	96%	0.090	7.82	8.50	0.105	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.119	/	/	-0.10	96%	/	7.57	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.172	0.143	0.040	-0.11	96%	0.149	7.57	8.50	0.185	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.095	/	/	-0.01	96%	/	7.57	8.50	/	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.103	/	/	0.12	96%	/	7.57	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.175	0.151	0.042	-0.01	96%	0.157	7.57	8.50	0.195	Battery 2#	/
Ant 6(Core 1)														
Test data of U-NII-2A band														
Left cheek	/	58/5290	802.11ac(80M)	0.005	/	/	0.00	96%	/	7.08	8.50	/	Battery 1#	/
Left tilt	/	58/5290	802.11ac(80M)	0.016	/	/	0.00	96%	/	7.08	8.50	/	Battery 1#	/
Right cheek	/	58/5290	802.11ac(80M)	0.025	/	/	0.12	96%	/	7.08	8.50	/	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.028	0.025	0.007	-0.19	96%	0.026	7.08	8.50	0.036	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.017	0.004	0.004	-0.10	96%	0.004	7.08	8.50	0.005	Battery 2#	/
Test data of U-NII-2C band														
Left cheek	/	114/5570	802.11ac(160M)	0.003	/	/	0.00	96%	/	7.16	8.50	/	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.011	/	/	0.00	96%	/	7.16	8.50	/	Battery 1#	/
Right cheek	/	114/5570	802.11ac(160M)	0.016	/	/	-0.18	96%	/	7.16	8.50	/	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.018	0.002	0.000	0.00	96%	0.002	7.16	8.50	0.003	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.015	0.003	0.000	0.00	96%	0.003	7.16	8.50	0.004	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.005	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.017	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.028	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.032	0.030	0.008	-0.19	96%	0.031	6.56	8.50	0.038	Battery 1#	Yes
Right tilt	/	155/5775	802.11ac(80M)	0.018	0.011	0.003	-0.05	96%	0.011	6.56	8.50	0.018	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Left tilt	/	155/5775	802.11ac(80M)	0.264	0.278	0.080	0.12	96%	0.290	7.57	8.50	0.359	Battery 2#	Yes

Ant 6(Core 1)													
Right tilt	/	155/5775	802.11ac(80M)	<0.001	<0.001	<0.001	0.00	96%	<0.001	6.56	8.50	<0.001	Battery 1# /

Table 206: Head SAR test results of WiFi 5G SISO

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2A, SAR is measured for 802.11ac (80M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of other WiFi 5G modes to 802.11ac (80M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2C, SAR is measured for 802.11ac(160M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 8 other WiFi 5G modes to 802.11ac (160M)specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 3) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2A, SAR is measured for 802.11ac (80M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of other WiFi 5G modes to 802.11ac (80M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 4) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition).

Test Position of Head	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
U-NII-1&U-NII-2A band					
Left cheek	/	802.11ac(80M)	0.116	0.036	0.152
Left tilt	/	802.11ac(80M)	0.116	0.036	0.152
Right cheek	/	802.11ac(80M)	0.116	0.036	0.152
Right tilt	/	802.11ac(80M)	0.116	0.036	0.152
U-NII-2C band					
Left cheek	/	802.11ac(160M)	0.115	0.004	0.117
Left tilt	/	802.11ac(160M)	0.115	0.004	0.117
Right cheek	/	802.11ac(160M)	0.115	0.004	0.117
Right tilt	/	802.11ac(160M)	0.115	0.004	0.117
U-NII-3 band					
Left cheek	/	802.11ac(80M)	0.359	0.038	<b>0.397</b>
Left tilt	/	802.11ac(80M)	0.359	0.038	0.397
Right cheek	/	802.11ac(80M)	0.359	0.038	0.397
Right tilt	/	802.11ac(80M)	0.359	0.038	0.397

Table 207: Head SAR of WiFi 5G CDD/MIMO

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	56/5280	802.11a	0.023	/	/	-0.060	98%	/	16.03	17.00	/	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.031	0.024	0.009	-0.15	98%	0.024	16.03	17.00	0.030	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.028	0.025	0.010	-0.19	98%	0.025	16.03	17.00	0.032	Battery 2#	/
Back Side	15mm	52/5260	802.11a	0.030	0.028	0.011	0.170	98%	0.029	15.53	17.00	0.040	Battery 2#	/
Back Side	15mm	60/5300	802.11a	0.042	0.046	0.017	0.00	98%	0.047	15.92	17.00	0.061	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	136/5680	802.11a	0.074	/	/	0.03	98%	/	16.40	17.00	/	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.139	0.139	0.050	0.14	98%	0.142	16.40	17.00	0.163	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.127	0.124	0.048	0.17	98%	0.127	16.40	17.00	0.145	Battery 2#	/
Back Side	15mm	104/5520	802.11a	0.075	0.073	0.026	0.16	98%	0.075	16.30	17.00	0.088	Battery 1#	/
Back Side	15mm	116/5580	802.11a	0.089	0.090	0.034	0.15	98%	0.092	16.14	17.00	0.112	Battery 1#	/
Test data of U-NII-3 band														
Front Side	15mm	161/5805	802.11a	0.021	/	/	0.12	98%	/	9.41	11.50	/	Battery 1#	/
Back Side	15mm	161/5805	802.11a	0.032	0.022	0.008	0.10	98%	0.023	9.41	11.50	0.036	Battery 1#	/
Back Side	15mm	161/5805	802.11a	0.034	0.022	0.008	0.13	98%	0.023	9.41	11.50	0.036	Battery 2#	/
Back Side	15mm	165/5825	802.11a	0.035	0.024	0.008	0.12	98%	0.025	9.40	11.50	0.040	Battery 1#	/
Back Side	15mm	149/5745	802.11a	0.033	0.024	0.009	0.10	98%	0.024	9.39	11.50	0.039	Battery 1#	/
Ant 6(Core 1)														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	60/5300	802.11a	0.003	/	/	0.00	98%	/	15.33	16.50	/	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.052	0.060	0.021	0.13	98%	0.061	15.33	16.50	0.080	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.069	0.063	0.023	0.00	98%	0.064	15.33	16.50	0.084	Battery 2#	Yes
Back Side	15mm	52/5260	802.11a	0.061	0.056	0.021	0.00	98%	0.057	15.28	16.50	0.075	Battery 2#	/
Back Side	15mm	56/5280	802.11a	0.065	0.058	0.023	0.13	98%	0.059	15.28	16.50	0.079	Battery 2#	/
Test data of U-NII-2C band														
Front Side	15mm	136/5680	802.11a	0.000	/	/	0.00	98%	/	15.52	16.50	/	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.007	0.018	0.006	0.14	98%	0.018	15.52	16.50	0.023	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.038	0.020	0.006	-0.17	98%	0.020	15.52	16.50	0.025	Battery 2#	/
Back Side	15mm	116/5580	802.11a	0.008	0.037	0.012	0.12	98%	0.038	15.39	16.50	0.048	Battery 2#	/
Back Side	15mm	132/5660	802.11a	0.018	0.058	0.022	0.17	98%	0.060	15.50	16.50	0.075	Battery 2#	/
Test data of U-NII-3 band														
Front Side	15mm	165/5825	802.11a	0.000	/	/	0.00	98%	/	9.24	11.50	/	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.004	0.015	0.004	0.00	98%	0.015	9.24	11.50	0.026	Battery 1#	/
Back Side	15mm	165/5825	802.11a	0.004	0.022	0.007	-0.17	98%	0.022	9.24	11.50	0.037	Battery 2#	/
Back Side	15mm	161/5805	802.11a	0.007	0.019	0.006	0.14	98%	0.020	9.09	11.50	0.034	Battery 2#	/
Back Side	15mm	157/5785	802.11a	0.007	0.019	0.006	0.13	98%	0.020	8.82	11.50	0.036	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20200307011001-2)														
Ant 5(Core 0)														
Back Side	15mm	136/5680	802.11a	0.186	0.174	0.066	-0.09	98%	0.178	16.40	17.00	0.204	Battery 1#	Yes
Ant 6(Core 1)														
Back Side	15mm	60/5300	802.11a	0.074	0.061	0.023	0.00	98%	0.062	15.33	16.50	0.081	Battery 2#	/

Table 208: Body-Worn SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

3) Per KDB 248227D01v02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation

Test Position of Body-Worn	Dist.	Test Mode	WiFi 5G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
Test data of U-NII-1&U-NII-2A band					
Front Side	15mm	802.11a	0.061	0.084	0.145
Back Side	15mm	802.11a	0.061	0.084	0.145
U-NII-2C band					
Front Side	15mm	802.11a	0.204	0.075	<b>0.279</b>
Back Side	15mm	802.11a	0.204	0.075	0.279
U-NII-3 band					
Front Side	15mm	802.11a	0.040	0.037	0.077
Back Side	15mm	802.11a	0.040	0.037	0.077

Table 209: Body-Worn SAR of WiFi 5G CDD calculation



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Test data of U-NII-1 band														
Front Side	10mm	40/5200	802.11a	0.041	/	/	0.00	98%	/	15.96	17.00	/	Battery 1#	/
Back Side	10mm	40/5200	802.11a	0.069	/	/	0.19	98%	/	15.96	17.00	/	Battery 1#	/
Left Side	10mm	40/5200	802.11a	<0.001	/	/	-0.16	98%	/	15.96	17.00	/	Battery 1#	/
Right Side	10mm	40/5200	802.11a	0.019	/	/	-0.16	98%	/	15.96	17.00	/	Battery 1#	/
Top Side	10mm	40/5200	802.11a	0.066	0.071	0.025	-0.12	98%	0.072	15.96	17.00	0.092	Battery 1#	/
Top Side	10mm	40/5200	802.11a	0.083	0.086	0.032	0.190	98%	0.088	15.96	17.00	0.112	Battery 2#	/
Top Side	10mm	44/5220	802.11a	0.075	0.079	0.029	0.14	98%	0.081	15.90	17.00	0.104	Battery 2#	/
Top Side	10mm	48/5240	802.11a	0.076	0.077	0.028	0.09	98%	0.078	15.81	17.00	0.103	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	161/5805	802.11a	0.022	/	/	0.18	98%	/	9.41	11.50	/	Battery 1#	/
Back Side	10mm	161/5805	802.11a	0.048	/	/	-0.12	98%	/	9.41	11.50	/	Battery 1#	/
Left Side	10mm	40/5200	802.11a	<0.001	/	/	0.18	98%	/	9.41	11.50	/	Battery 1#	/
Right Side	10mm	161/5805	802.11a	0.022	/	/	0.01	98%	/	9.41	11.50	/	Battery 1#	/
Top Side	10mm	161/5805	802.11a	0.081	0.086	0.030	0.16	98%	0.087	9.41	11.50	0.141	Battery 1#	/
Top Side	10mm	161/5805	802.11a	0.086	0.089	0.031	-0.18	98%	0.091	9.41	11.50	0.147	Battery 2#	/
Top Side	10mm	165/5825	802.11a	0.088	0.095	0.034	0.07	98%	0.097	9.40	11.50	0.157	Battery 1#	/
Top Side	10mm	149/5745	802.11a	0.073	0.076	0.026	-0.16	98%	0.078	9.39	11.50	0.126	Battery 1#	/
Ant 6(Core 1)														
Test data of U-NII-1 band														
Front Side	10mm	40/5200	802.11a	0.000	/	/	0.17	98%	/	15.57	16.50	/	Battery 1#	/
Back Side	10mm	40/5200	802.11a	0.010	0.045	0.013	0.15	98%	0.045	15.57	16.50	0.056	Battery 1#	/
Left Side	10mm	40/5200	802.11a	0.021	/	/	0.14	98%	/	15.57	16.50	/	Battery 1#	/
Right Side	10mm	40/5200	802.11a	<0.001	/	/	0.10	98%	/	15.57	16.50	/	Battery 1#	/
Top Side	10mm	40/5200	802.11a	0.001	/	/	0.00	98%	/	15.57	16.50	/	Battery 1#	/
Back Side	10mm	40/5200	802.11a	0.105	0.091	0.030	-0.18	98%	0.093	15.57	16.50	0.115	Battery 2#	/
Back Side	10mm	44/5220	802.11a	0.100	0.094	0.029	-0.15	98%	0.096	15.49	16.50	0.121	Battery 2#	/
Back Side	10mm	48/5240	802.11a	0.068	0.098	0.031	-0.17	98%	0.100	15.30	16.50	0.132	Battery 2#	Yes
Test data of U-NII-3 band														
Front Side	10mm	165/5825	802.11a	0.000	/	/	0.00	98%	/	9.24	11.50	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.004	0.015	0.004	0.00	98%	0.015	9.24	11.50	0.026	Battery 1#	/
Left Side	10mm	165/5825	802.11a	0.003	/	/	0.11	98%	/	9.24	11.50	/	Battery 1#	/
Right Side	10mm	40/5200	802.11a	<0.001	/	/	-0.09	98%	/	9.24	11.50	/	Battery 1#	/
Top Side	10mm	165/5825	802.11a	0.001	/	/	0.19	98%	/	9.24	11.50	/	Battery 1#	/
Back Side	10mm	165/5825	802.11a	0.013	0.062	0.018	0.16	98%	0.063	9.24	11.50	0.107	Battery 2#	/
Back Side	10mm	161/5805	802.11a	0.007	0.019	0.006	0.14	98%	0.020	9.09	11.50	0.034	Battery 2#	/
Back Side	10mm	157/5785	802.11a	0.005	0.015	0.003	0.00	98%	0.015	8.82	11.50	0.028	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20200307011001-2)														
Ant 5(Core 0)														
Top Side	10mm	165/5825	802.11a	0.138	0.122	0.042	-0.07	98%	0.124	9.40	11.50	0.202	Battery 1#	Yes
Ant 6(Core 1)														
Back Side	10mm	48/5240	802.11a	0.067	0.048	0.018	0.00	98%	0.049	15.30	16.50	0.064	Battery 2#	/

Table 210: Hotspot SAR test results of WiFi 5G SISO

Note:

- 1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for U-NII-1 and U-NII-3 since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) The device do not support hotspot function at U-NII-2A & U-NII-2C band.
- 4) Per KDB 248227D01v02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation

Test Position of Hotspot	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
U-NII-1 band					
Front Side	10mm	802.11a	0.112	0.132	0.244
Back Side	10mm	802.11a	0.112	0.132	0.244
Left Side	10mm	802.11a	0.112	0.132	0.244
Right Side	10mm	802.11a	0.112	0.132	0.244
Top Side	10mm	802.11a	0.112	0.132	0.244
U-NII-3 band					
Front Side	10mm	802.11a	0.202	0.107	0.309
Back Side	10mm	802.11a	0.202	0.107	0.309
Left Side	10mm	802.11a	0.202	0.107	0.309
Right Side	10mm	802.11a	0.202	0.107	0.309
Top Side	10mm	802.11a	0.202	0.107	<b>0.309</b>

Table 211: Hotspot SAR of WiFi 5G CDD

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 10-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Test data of U-NII-2A band														
Front Side	0mm	56/5280	802.11a	0.047	/	/	0.00	98%	/	16.03	17.00	/	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.167	/	/	0.12	98%	/	16.03	17.00	/	Battery 1#	/
Left Side	0mm	56/5280	802.11a	0.010	/	/	-0.12	98%	/	16.03	17.00	/	Battery 1#	/
Right Side	0mm	56/5280	802.11a	0.042	/	/	0.06	98%	/	16.03	17.00	/	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.542	2.960	0.710	0.14	98%	0.724	16.03	17.00	0.906	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.543	3.140	0.745	0.16	98%	0.760	16.03	17.00	0.950	Battery 2#	/
Top Side	0mm	52/5260	802.11a	0.530	2.970	0.696	0.04	98%	0.710	15.53	17.00	0.996	Battery 2#	/
Top Side	0mm	60/5300	802.11a	0.525	2.690	0.644	0.18	98%	0.657	15.92	17.00	0.843	Battery 2#	/
Test data of U-NII-2C band														
Front Side	0mm	136/5680	802.11a	0.237	/	/	-0.07	98%	/	16.40	17.00	/	Battery 1#	/
Back Side	0mm	136/5680	802.11a	0.220	/	/	0.10	98%	/	16.40	17.00	/	Battery 1#	/
Left Side	0mm	136/5680	802.11a	0.039	/	/	-0.17	98%	/	16.40	17.00	/	Battery 1#	/
Right Side	0mm	136/5680	802.11a	0.045	/	/	-0.17	98%	/	16.40	17.00	/	Battery 1#	/
Top Side	0mm	136/5680	802.11a	0.789	4.200	0.991	0.19	98%	1.011	16.40	17.00	1.161	Battery 1#	/
Top Side	0mm	136/5680	802.11a	1.080	6.880	1.490	0.01	98%	1.520	16.40	17.00	1.746	Battery 2#	Yes
Top Side	0mm	104/5520	802.11a	0.871	4.850	1.080	0.12	98%	1.102	16.30	17.00	1.295	Battery 2#	/
Top Side	0mm	116/5580	802.11a	0.912	5.010	1.150	0.04	98%	1.173	16.14	17.00	1.430	Battery 2#	/
Ant 6(Core 1)														
Test data of U-NII-2A band														
Front Side	0mm	60/5300	802.11a	0.110	/	/	-0.04	98%	/	15.33	16.50	/	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.322	1.740	0.406	-0.17	98%	0.414	15.33	16.50	0.542	Battery 1#	/
Left Side	0mm	60/5300	802.11a	0.054	/	/	-0.04	98%	/	15.33	16.50	/	Battery 1#	/
Right Side	0mm	56/5280	802.11a	0.007	/	/	0.14	98%	/	15.33	16.50	/	Battery 1#	/
Top Side	0mm	60/5300	802.11a	0.060	/	/	-0.16	98%	/	15.33	16.50	/	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.339	0.201	0.472	0.01	98%	0.482	15.33	16.50	0.631	Battery 2#	/
Back Side	0mm	52/5260	802.11a	0.297	2.100	0.471	-0.18	98%	0.481	15.28	16.50	0.636	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.279	2.250	0.521	-0.17	98%	0.532	15.28	16.50	0.704	Battery 1#	Yes
Test data of U-NII-2C band														
Front Side	0mm	136/5680	802.11a	0.013	/	/	0.14	98%	/	15.52	16.50	/	Battery 1#	/
Back Side	0mm	136/5680	802.11a	0.134	1.140	0.236	-0.10	98%	0.241	15.52	16.50	0.302	Battery 1#	/
Left Side	0mm	136/5680	802.11a	0.038	/	/	-0.18	98%	/	15.52	16.50	/	Battery 1#	/
Right Side	0mm	136/5680	802.11a	<0.001	/	/	0.11	98%	/	15.52	16.50	/	Battery 1#	/
Top Side	0mm	136/5680	802.11a	0.012	/	/	-0.03	98%	/	15.52	16.50	/	Battery 1#	/
Back Side	0mm	136/5680	802.11a	0.354	1.660	0.377	-0.11	98%	0.385	15.52	16.50	0.482	Battery 2#	/
Back Side	0mm	116/5580	802.11a	0.321	1.630	0.356	-0.15	98%	0.363	15.39	16.50	0.469	Battery 2#	/
Back Side	0mm	132/5660	802.11a	0.383	2.310	0.523	-0.17	98%	0.534	15.50	16.50	0.672	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20200307011001-2)														
Ant 5(Core 0)														
Top Side	0mm	136/5680	802.11a	0.681	2.930	0.747	-0.14	98%	0.762	16.40	17.00	0.875	Battery 2#	/
Ant 6(Core 1)														
Back Side	0mm	132/5660	802.11a	0.140	0.573	0.134	0.00	98%	0.137	15.50	16.50	0.172	Battery 2#	/

Table 212: Product Specific 10-g SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G, SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G modes are not required.

2) Per KDB 248227D01v02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
Test data of U-NII-2A band					
Front Side	0mm	802.11a	0.996	0.704	1.700
Back Side	0mm	802.11a	0.996	0.704	1.700
Left Side	0mm	802.11a	0.996	0.704	1.700
Right Side	0mm	802.11a	0.996	0.704	1.700
Top Side	0mm	802.11a	0.996	0.704	1.700
Test data of U-NII-2C band					
Front Side	0mm	802.11a	1.746	0.672	2.418
Back Side	0mm	802.11a	1.746	0.672	2.418
Left Side	0mm	802.11a	1.746	0.672	2.418
Right Side	0mm	802.11a	1.746	0.672	2.418
Top Side	0mm	802.11a	1.746	0.672	<b>2.418</b>

Table 213: Product Specific 10-g SAR of WiFi 5G CDD calculation

### 7.2.18 SAR measurement Result of BT

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Low duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g									
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Power level A with low duty cycle														
Left cheek	/	11/2413	DH5	0.586	0.259	-0.02	77%	2%	0.015	16.07	17.01	0.019	Battery 1#	/
Left tilt	/	11/2413	DH5	0.674	0.277	-0.07	77%	2%	0.018	16.07	17.01	0.022	Battery 1#	/
Right cheek	/	11/2413	DH5	0.255	0.132	-0.12	77%	2%	0.007	16.07	17.01	0.008	Battery 1#	/
Right tilt	/	11/2413	DH5	0.352	0.178	-0.05	77%	2%	0.009	16.07	17.01	0.011	Battery 1#	/
Left tilt	/	11/2413	DH5	0.668	0.271	-0.05	77%	2%	0.017	16.07	17.01	0.022	Battery 2#	/
Left tilt	/	22/2424	DH5	0.949	0.393	-0.09	77%	2%	0.025	15.33	17.01	0.036	Battery 1#	/
Left Tilt Repeat	/	22/2424	DH5	0.941	0.386	-0.06	77%	2%	0.024	15.33	17.01	0.036	Battery 1#	/
Left tilt	/	33/2435	DH5	0.713	0.291	-0.03	77%	2%	0.019	15.65	17.01	0.025	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Power level A with low duty cycle														
Left tilt	/	22/2424	DH5	0.476	0.189	0.01	77%	2%	0.012	15.33	17.01	0.018	Battery 1#	/

Table 214: Head SAR test results of BT power level A(Scaled to 2% duty cycle )

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Power level B with High duty cycle													
Left cheek	/	39/2441	DH5	0.133	0.056	-0.11	77%	0.173	9.71	11.00	0.232	Battery 1#	/
Left tilt	/	39/2441	DH5	0.139	0.056	-0.16	77%	0.181	9.71	11.00	0.243	Battery 1#	/
Right cheek	/	39/2441	DH5	0.061	0.029	0.12	77%	0.079	9.71	11.00	0.107	Battery 1#	/
Right tilt	/	39/2441	DH5	0.062	0.030	0.00	77%	0.081	9.71	11.00	0.109	Battery 1#	/
Left tilt	/	39/2441	DH5	0.156	0.061	0.01	77%	0.203	9.71	11.00	0.273	Battery 2#	Yes
Left tilt	/	11/2413	DH5	0.094	0.038	-0.06	77%	0.122	9.17	11.00	0.186	Battery 1#	/
Left tilt	/	67/2469	DH5	0.150	0.058	-0.09	77%	0.195	9.04	11.00	0.306	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Power level B with High duty cycle													
Left tilt	/	33/2435	DH5	0.112	0.043	0.14	77%	0.145	9.04	11.00	0.228	Battery 1#	/

Table 215: Head SAR test results of BT power level B(Scaled to 100% duty cycle )

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Front Side	15mm	11/2413	DH5	0.039	0.022	0.06	77%	0.051	16.07	17.01	0.063	Battery 1#	/
Back Side	15mm	11/2413	DH5	0.047	0.027	-0.15	77%	0.061	16.07	17.01	0.075	Battery 1#	/
Back Side	15mm	11/2413	DH5	0.046	0.026	0.08	77%	0.060	16.07	17.01	0.074	Battery 2#	/
Back Side	15mm	22/2424	DH5	0.087	0.049	-0.10	77%	0.112	15.33	17.01	0.166	Battery 1#	Yes
Back Side	15mm	32/2434	DH5	0.068	0.039	-0.19	77%	0.088	15.65	17.01	0.121	Battery 1#	/
Test data for power level B													
Front Side	15mm	39/2441	DH5	0.012	0.013	0.01	77%	0.016	9.71	11.00	0.022	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.016	0.008	-0.15	77%	0.021	9.71	11.00	0.028	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.015	0.008	0.17	77%	0.019	9.71	11.00	0.026	Battery 2#	/
Back Side	15mm	11/2413	DH5	0.012	0.007	0.14	77%	0.016	9.17	11.00	0.024	Battery 1#	/
Back Side	15mm	67/2469	DH5	0.018	0.010	0.11	77%	0.023	9.04	11.00	0.037	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Back Side	15mm	22/2424	DH5	0.034	0.020	-0.02	77%	0.045	15.33	17.01	0.066	Battery 1#	/
Test data for power level B													
Back Side	15mm	67/2469	DH5	0.008	0.004	-0.19	77%	0.010	9.04	11.00	0.016	Battery 1#	/

Table 216: Body-Worn SAR test results of BT(Scaled to 100% duty cycle )

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR (W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Front Side	10mm	11/2413	DH5	0.084	0.046	-0.01	77%	0.109	16.07	17.01	0.136	Battery 1#	/
Back Side	10mm	11/2413	DH5	0.109	0.061	-0.08	77%	0.142	16.07	17.01	0.135	Battery 1#	/
Right Side	10mm	11/2413	DH5	0.064	0.027	0.05	77%	0.083	16.07	17.01	0.080	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.172	0.090	0.14	77%	0.223	16.07	17.01	0.214	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.140	0.073	-0.14	77%	0.182	16.07	17.01	0.174	Battery 2#	/
Top Side	10mm	22/2424	DH5	0.232	0.127	-0.13	77%	0.301	15.33	17.01	0.342	Battery 1#	Yes
Top Side	10mm	32/2434	DH5	0.229	0.121	-0.11	77%	0.297	15.65	17.01	0.313	Battery 1#	/
Test data for power level B													
Front Side	10mm	39/2441	DH5	0.016	0.009	-0.09	77%	0.021	9.71	11.00	0.028	Battery 1#	/
Back Side	10mm	39/2441	DH5	0.027	0.012	-0.17	77%	0.035	9.71	11.00	0.036	Battery 1#	/
Right Side	10mm	39/2441	DH5	0.019	0.006	0.17	77%	0.025	9.71	11.00	0.026	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.032	0.016	0.00	77%	0.041	9.71	11.00	0.043	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.029	0.015	-0.12	77%	0.037	9.71	11.00	0.038	Battery 2#	/
Top Side	10mm	11/2413	DH5	0.025	0.013	-0.04	77%	0.033	9.17	11.00	0.038	Battery 1#	/
Top Side	10mm	67/2469	DH5	0.031	0.015	-0.18	77%	0.041	9.04	11.00	0.049	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Top Side	10mm	22/2424	DH5	0.062	0.035	0.06	77%	0.080	15.33	17.01	0.091	Battery 1#	/
Test data for power level B													
Top Side	10mm	67/2469	DH5	0.014	0.007	-0.14	77%	0.018	9.04	11.00	0.022	Battery 1#	/

Table 217: Hotspot SAR test results of BT(Scaled to 100% duty cycle )

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

### 7.3 Multiple Transmitter Evaluation

The detailed location of the Tx antennas inside the device refers to Appendix E.

The list information of following tables which is relevant for the decision if a simultaneous transmit evaluation is necessary according to FCC KDB 447498D01 General RF Exposure Guidance.

Mode	Exposure Condition	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
MHB Main Ant (Ant 1)	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	No	Yes
LB Main Ant (Ant 2)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	No	Yes
Up MHB Ant (Ant 3)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
Up LB Ant (Ant 4)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No
WiFi 2.4G/5G Core 0/BT Ant (Ant 5)	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	Yes	No
WiFi 2.4G/5G Core 1 ant (Ant 6)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
WiFi 2.4G/5G CDD/MIMO	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No

Table 218: Sides for Hotspot/Product specific 10g SAR testing

Note:

- 1) Per KDB 648474 D04, because the diagonal distance of this device is  $\geq 160\text{mm}$ , so it is a phablet .
- 2) Per KDB 941225 D06 and KDB 648474 D04, particular DUT edges were not required to be evaluated for Hotspot SAR if the antenna-to-edge distance is greater than 2.5cm;
- 3) WiFi 2.4G CDD/MIMO does not support hotspot function, therefore WiFi 2.4G CDD/MIMO were not evaluated for hotspot SAR.



### 7.3.1 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1or 2) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1or 2) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 3or 4) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 3or 4)+ BT	N/A	Yes	Yes	Yes
5	GSM Voice(Ant 1or 2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi- Fi 2.4G CDD/MIMO	Yes	Yes	N/A	Yes
6	GSM DATA(Ant 1or2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	N/A	Yes	Yes	Yes
7	GSM Voice(Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	N/A	Yes
8	GSM DATA (Ant 3or 4)+ Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	N/A	Yes	Yes	Yes
9	UMTS (Ant 1 or 2) + BT	Yes	Yes	Yes	Yes
10	UMTS (Ant 3 or 4) + BT	Yes	Yes	Yes	Yes
11	UMTS (Ant 1 or 2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
12	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
13	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
14	LTE(Ant 1or2) + BT	Yes	Yes	Yes	Yes
15	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
22	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
25	GSM Voice(Ant 1or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi- Fi 5G CDD/MIMO	N/A	Yes	Yes	Yes
27	GSM Voice(Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 3 or 4) + Wi-Fi 5G (Ant 5(Core 0))/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	N/A	Yes	Yes	Yes
29	UMTS (Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
30	UMTS (Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes

31	LTE (Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
32	LTE (Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
33	GSM Voice(Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1 or 2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	N/A	Yes	Yes	Yes
35	GSM Voice(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	N/A	Yes
36	GSM DATA(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	N/A	Yes	Yes	Yes
37	UMTS (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
38	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
39	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
40	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
41	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	N/A	Yes
42	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	N/A	Yes	Yes	Yes
43	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	N/A	Yes
44	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 5/Ant 6/CDD/MIMO)	N/A	Yes	Yes	Yes
45	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
46	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/Ant 6/CDD/MIMO)	Yes	Yes	Yes	Yes
47	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/ Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
48	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/ Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
49	GSM DATA(Ant 1or2)+Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+ BT	Yes	Yes	N/A	Yes
50	GSM DATA(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	N/A	Yes	Yes	Yes
51	GSM Voice (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+ BT	Yes	Yes	N/A	Yes
52	GSM Voice (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	N/A	Yes	Yes	Yes
53	UMTS (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
54	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
55	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
56	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes

Table 219: Simultaneous Transmission Possibilities

Note:

1) Wi-Fi 2.4G Ant6(Core1) can transmit simultaneously with Bluetooth.

- 2) Wi-Fi 5G Ant5(Core0) can transmit simultaneously with Bluetooth and Ant6(Core1) also can transmit simultaneously with Bluetooth.
- 3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2\*2 CDD/MIMO function.
- 4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2\*2 CDD/MIMO function.
- 5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant6(Core1) station mode and Wi-Fi 5G Ant5(Core0) P-to-P mode or Wi-Fi 2.4G Ant6(Core1) P-to-P mode and Wi-Fi 5G Ant5(Core0) station mode can transmit simultaneously.
- 6) The device does not support DTM function.
- 7) \* VoLTE or pre-installed VOIP applications are considered.
- 8) The Main Antenna (Ant1&2) and Second Antenna (Ant 3&4) can't transmit simultaneously.
- 9) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 10) The device supports Vo-WIFI function.
- 11) WiFi 2.4G hotspot does not support CDD/MIMO mode.
- 12) Ant 5=WiFi Core 0/ BT; Ant 6 = WiFi Core 1.

The simultaneous transmission possibilities for BT at lower power level B and high power level A are different. The simultaneous transmission possibilities for BT high power level A is as below table:

NO.	Simultaneous TX Combination	Head	Body- worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1or 2) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1or 2) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 3or 4) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 3or 4)+ BT	N/A	Yes	Yes	Yes
5	UMTS (Ant 1 or 2) + BT	Yes	Yes	Yes	Yes
6	UMTS (Ant 1or 2) + BT	Yes	Yes	Yes	Yes
7	LTE(Ant 1or2) + BT	Yes	Yes	Yes	Yes
8	LTE (Ant 3or4) + BT	Yes	Yes	Yes	Yes
9	GSM Voice(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
10	GSM DATA(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
11	GSM Voice(Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
12	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
13	UMTS (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes

14	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
15	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
22	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes

Table 220: Simultaneous Transmission Possibilities with BT Power Level A

- 1) When BT is in high power level A, BT and Wi-Fi 5G Ant 5(Core 0)/WIFI 5G CDD/MIMO cannot transmit simultaneously because BT occupies Wifi 5G Ant 5(Core 0) 's RF channel. They are time division multiplexing.
- 2) When WiFi 2.4G and 5G are both on at the same time, BT can only work at power B. BT High Power A will be limited by design.
- 3) Ant5=WiFi Core 0/BT; Ant6=WiFi Core 1.

### 7.3.2 SAR Summation Scenario

Test Position		Second antenna SAR <sub>Max</sub>															Second antenna MaxSAR
		GSM850	GSM1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	LTE Band 66	
Head	Left cheek	0.306	0.141	0.130	0.191	0.235	0.163	0.214	0.338	0.119	0.261	0.387	0.398	0.169	0.158	0.213	0.398
	Left tilt	0.283	0.193	0.177	0.321	0.201	0.203	0.264	0.339	0.136	0.202	0.353	0.328	0.212	0.144	0.336	0.353
	Right cheek	0.298	0.228	0.330	0.220	0.281	0.296	0.248	0.437	0.264	0.372	0.351	0.486	0.370	0.328	0.265	0.486
	Right tilt	0.273	0.403	0.234	0.451	0.247	0.370	0.217	0.341	0.340	0.527	0.423	0.473	0.440	0.417	0.388	0.527
Body Worn	Front Side	0.047	0.018	0.102	0.198	0.150	0.040	0.150	0.163	0.061	0.099	0.062	0.128	0.124	0.156	0.168	0.198
	Back Side	0.054	0.031	0.193	0.354	0.204	0.168	0.292	0.229	0.140	0.187	0.165	0.169	0.153	0.197	0.357	0.357
Hotspot	Front Side	0.126	0.052	0.086	0.125	0.149	0.066	0.195	0.167	0.132	0.096	0.126	0.151	0.162	0.170	0.143	0.195
	Back Side	0.118	0.070	0.138	0.360	0.192	0.124	0.285	0.186	0.220	0.169	0.248	0.208	0.322	0.232	0.313	0.360
	Left Side	0.074	0.018	0.014	0.060	0.090	0.029	0.056	0.103	0.137	0.034	0.045	0.087	0.183	0.177	0.062	0.183
	Right Side	0.011	/	/	/	0.015	/	/	0.017	/	0.014	0.020	0.011	/	/	/	0.020
	Top Side	0.082	0.150	0.205	0.365	0.126	0.200	0.342	0.166	0.576	0.081	0.104	0.098	0.426	0.467	0.418	0.576
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 221: Second antenna Max SAR

Test Position		Main antenna SAR <sub>Max</sub>														Main antenna MaxSAR	
		GSM 850	GSM 1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41		LTE Band 66
Head	Left cheek	0.092	0.160	0.220	0.294	0.117	0.257	0.328	0.147	0.115	0.166	/	0.145	0.064	0.071	0.230	0.328
	Left tilt	0.042	0.044	0.102	0.180	0.060	0.095	0.156	0.071	0.083	0.069	/	0.094	0.054	0.054	0.122	0.180
	Right cheek	0.107	0.070	0.174	0.251	0.141	0.166	0.202	0.154	0.246	0.138	/	0.190	0.159	0.140	0.187	0.251
	Right tilt	0.044	0.041	0.105	0.172	0.056	0.093	0.143	0.065	0.047	0.057	/	0.086	0.029	0.026	0.120	0.172
Body Worn	Front Side	0.216	0.102	0.277	0.514	0.243	0.231	0.383	0.295	0.158	0.254	/	0.284	0.105	0.125	0.361	0.514
	Back Side	0.321	0.158	0.414	0.477	0.369	0.368	0.555	0.435	0.412	0.366	/	0.407	0.250	0.307	0.474	0.555
Hotspot	Front Side	0.330	0.231	0.253	0.389	0.312	0.297	0.359	0.432	0.229	0.437	/	0.439	0.133	0.157	0.265	0.439
	Back Side	0.537	0.298	0.404	0.512	0.432	0.418	0.477	0.581	0.319	0.555	/	0.585	0.257	0.341	0.335	0.585
	Left Side	0.341	/	/	/	0.359	/	/	0.432	/	0.574	/	0.410	/	/	/	0.574
	Right Side	/	0.153	0.186	0.085	/	0.194	0.222	/	0.102	/	/	/	0.062	0.086	0.258	0.258
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	0.285	0.593	/	0.684	0.234	0.648	0.295	0.308	0.634	0.179	/	0.320	0.587	0.498	0.411	0.684
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	1.817	/	/	/	/	/	/	/	/	/	/	/	/

Table 222: Main antenna Max SAR

Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneously Transmission SAR						
		1	2	3	4	5	6	7	8	1+8	1+MAX (2/3/4)	1+3+8	1+max (5/6/7)	1+3+5	1+max (5/6/7)+8	1+3+5+8
Head	Left cheek	0.398	0.511	0.084	0.427	0.395	0.048	0.397	0.232	0.630	0.909	0.714	0.795	0.877	1.027	1.109
	Left tilt	0.353	0.404	0.084	0.427	0.395	0.048	0.397	0.306	0.659	0.780	0.743	0.750	0.832	1.056	1.138
	Right cheek	0.486	0.511	0.084	0.427	0.395	0.048	0.397	0.107	0.593	0.997	0.677	0.883	0.965	0.990	1.072
	Right tilt	0.527	0.511	0.084	0.427	0.395	0.048	0.397	0.109	0.636	1.038	0.720	0.924	1.006	1.033	1.115
Body Worn	Front Side	0.198	0.221	0.175	0.079	0.204	0.084	0.279	0.016	0.214	0.419	0.389	0.477	0.577	0.493	0.593
	Back Side	0.357	0.221	0.175	0.225	0.204	0.084	0.279	0.023	0.380	0.582	0.555	0.636	0.736	0.659	0.759
Hotspot	Front Side	0.195	0.444	0.195	/	0.202	0.132	0.309	0.021	0.216	0.639	0.411	0.504	0.592	0.525	0.613
	Back Side	0.360	0.376	0.195	/	0.202	0.132	0.309	0.035	0.395	0.736	0.590	0.669	0.757	0.704	0.792
	Left Side	0.183	/	0.195	/	0.202	0.132	0.309	/	0.183	0.378	0.378	0.492	0.580	0.492	0.580
	Right Side	0.020	0.444	/	/	0.202	0.132	0.309	0.025	0.045	0.464	0.045	0.329	0.222	0.354	0.247
	Top Side	0.576	0.444	0.195	/	0.202	0.132	0.309	0.041	0.617	1.020	0.812	0.885	0.973	0.926	1.014
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Top Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 223: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level B)

Test Position		Main antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneously Transmission SAR						
										1	2	3	4	5	6	7
Head	Left cheek	0.328	0.511	0.084	0.427	0.195	0.048	0.243	0.232	0.560	0.839	0.644	0.571	0.607	0.803	0.839
	Left tilt	0.180	0.404	0.084	0.427	0.195	0.048	0.243	0.306	0.486	0.607	0.570	0.423	0.459	0.729	0.765
	Right cheek	0.251	0.511	0.084	0.427	0.195	0.048	0.243	0.107	0.358	0.762	0.442	0.494	0.530	0.601	0.637
	Right tilt	0.172	0.511	0.084	0.427	0.195	0.048	0.243	0.109	0.281	0.683	0.365	0.415	0.451	0.524	0.560
Body Worn	Front Side	0.514	0.221	0.175	0.079	0.163	0.084	0.238	0.016	0.530	0.735	0.705	0.752	0.852	0.768	0.868
	Back Side	0.555	0.221	0.175	0.225	0.163	0.084	0.238	0.023	0.578	0.780	0.753	0.793	0.893	0.816	0.916
Hotspot	Front Side	0.439	0.444	0.195	/	0.157	0.132	0.264	0.021	0.460	0.883	0.655	0.703	0.791	0.724	0.812
	Back Side	0.585	0.376	0.195	/	0.157	0.132	0.264	0.035	0.620	0.961	0.815	0.849	0.937	0.884	0.972
	Left Side	0.574	/	0.195	/	0.157	0.132	0.264	/	0.574	0.769	0.769	0.838	0.926	0.838	0.926
	Right Side	0.258	0.444	/	/	0.157	/	0.264	0.025	0.283	0.702	0.283	0.522	0.415	0.547	0.440
	Top Side	/	0.444	0.195	/	0.157	0.132	0.264	0.041	0.041	0.444	0.236	0.264	0.352	0.305	0.393
	Bottom Side	0.684	/	/	/	/	/	/	/	0.684	0.684	0.684	0.684	0.684	0.684	0.684
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Top Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Bottom Side	1.817	/	/	/	/	/	/	/	/	1.817	1.817	1.817	1.817	1.817	1.817

Table 224: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level B)



Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneously Transmission SAR				
		1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8	1+6+8
Head	Left cheek	0.398	0.511	0.084	0.427	0.395	0.048	0.397	0.015	0.413	0.099	0.063	0.497	0.461
	Left tilt	0.353	0.404	0.084	0.427	0.395	0.048	0.397	0.025	0.378	0.109	0.073	0.462	0.426
	Right cheek	0.486	0.511	0.084	0.427	0.395	0.048	0.397	0.007	0.493	0.091	0.055	0.577	0.541
	Right tilt	0.527	0.511	0.084	0.427	0.395	0.048	0.397	0.009	0.536	0.093	0.057	0.620	0.584
Body Worn	Front Side	0.198	0.221	0.175	0.079	0.204	0.084	0.279	0.063	0.261	0.238	0.147	0.436	0.345
	Back Side	0.357	0.221	0.175	0.225	0.204	0.084	0.279	0.166	0.523	0.341	0.250	0.698	0.607
Hotspot	Front Side	0.195	0.444	0.195	/	0.202	0.132	0.309	0.136	0.331	0.331	0.268	0.526	0.463
	Back Side	0.360	0.376	0.195	/	0.202	0.132	0.309	0.135	0.495	0.330	0.267	0.690	0.627
	Left Side	0.183	/	0.195	/	0.202	0.132	0.309	/	0.183	0.195	0.132	0.378	0.315
	Right Side	0.020	0.444	/	/	0.202	0.132	0.309	0.080	0.100	0.080	0.212	0.100	0.232
	Top Side	0.576	0.444	0.195	/	0.202	0.132	0.309	0.342	0.918	0.537	0.474	1.113	1.050
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Top Side	/	/	/	2.351	1.746	0.704	<b>2.418</b>	/	/	/	0.704	/	0.704
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 225: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level A)

Test Position		main antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneously Transmission SAR				
			1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8
Head	Left cheek	0.328	0.511	0.084	0.427	0.195	0.048	0.243	0.015	0.343	0.099	0.063	0.427	0.391
	Left tilt	0.180	0.404	0.084	0.427	0.195	0.048	0.243	0.025	0.205	0.109	0.073	0.289	0.253
	Right cheek	0.251	0.511	0.084	0.427	0.195	0.048	0.243	0.007	0.258	0.091	0.055	0.342	0.306
	Right tilt	0.172	0.511	0.084	0.427	0.195	0.048	0.243	0.009	0.181	0.093	0.057	0.265	0.229
Body Worn	Front Side	0.514	0.221	0.175	0.079	0.163	0.084	0.238	0.063	0.577	0.238	0.147	0.752	0.661
	Back Side	0.555	0.221	0.175	0.225	0.163	0.084	0.238	0.166	0.721	0.341	0.250	0.896	0.805
Hotspot	Front Side	0.439	0.444	0.195	/	0.157	0.132	0.264	0.136	0.575	0.331	0.268	0.770	0.707
	Back Side	0.585	0.376	0.195	/	0.157	0.132	0.264	0.135	0.720	0.330	0.267	0.915	0.852
	Left Side	0.574	/	0.195	/	0.157	0.132	0.264	/	0.574	0.195	0.132	0.769	0.706
	Right Side	0.258	0.444	/	/	0.157	/	0.264	0.080	0.338	0.080	0.080	0.338	0.338
	Top Side	/	0.444	0.195	/	0.157	0.132	0.264	0.342	0.342	0.537	0.474	0.537	0.474
	Bottom Side	0.684	/	/	/	/	/	/	/	0.684	/	/	0.684	0.684
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Top Side	/	/	/	2.351	1.746	0.704	<b>2.418</b>	/	/	/	0.704	/	0.704
	Bottom Side	1.817	/	/	/	/	/	/	/	1.817	/	/	1.817	1.817

Table 226: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level A)

### 7.3.3 Simultaneous Transmission Conclusion

The above numeral summed SAR results and RF exposure ratio calculation results are sufficient to determine that simultaneous transmission RF exposure test exclusion applies per KDB 447498 D01.

**Appendix A. System Check Plots**

(Please See Appendix No.: SYBH(Z-SAR)20200307011001-2A, total: 71 pages)

**Appendix B. SAR Measurement Plots**

(Please See Appendix No.: SYBH(Z-SAR)20200307011001-2B, total: 117 pages)

**Appendix C. Calibration Certificate**

(Please See Appendix No.: SYBH(Z-SAR)20200307011001-2C, total: 343 pages)

**Appendix D. Photo documentation**

(Please See Appendix No.: SYBH(Z-SAR)20200307011001-2D, total: 10 pages)

**Appendix E. Antenna Location**

(Please See Appendix No.: SYBH(Z-SAR)20200307011001-2E, total: 1 pages)

---

**End**