18. Test Results List

18.1. Test Guidance

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
   a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
   b. For SAR testing of WLAN signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)".
   c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor.
   d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor.
2. Per KDB 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
   a. ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
   b. ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
   c. ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
4. Per KDB 648474 D04v01r03, when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤ 1.2 W/kg, SAR testing with a headset connected to the handset is not required.
5. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for tablet modes to compare with the 1.2 W/kg SAR test reduction threshold.
6. Per KDB248227 D01v02r02, a Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement. The test frequencies established using test mode must correspond to the actual channel frequencies required for operations in the U.S. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. In addition, a periodic

transmission duty factor is required for current generation SAR systems to measure SAR correctly. Unless it is permitted by specific KDB procedures or continuous transmission is specifically restricted by the device, the reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. When a device is not capable of sustaining continuous transmission or the output can become nonlinear, and it is limited by hardware design and unable to transmit at higher than 85% duty factor, a periodic duty factor within 15% of the maximum duty factor the device is capable of transmitting should be used. The reported SAR must be scaled to the maximum transmission duty factor to determine compliance. Descriptions of the procedures applied to establish the specific duty factor used for SAR testing are required in SAR reports to support the test results.

7. The EUT respectively defined the top and bottom antenna maximum power in the software. The top and bottom antenna will switch automatically according to the receiver signal strength and maximum transmission power level.
8. The reduced power of WLAN will be applied when the MIMO is active.
9. The 5G NR (NSA) SAR measurement procedure should be followed the TCB workshop publication in October 2020:
   a. If the signal uplink 1-g SAR values for each band are both less than 0.8 W/kg and the algebraic summation of the 1-g SAR values are less than 1.45 W/kg no additional measurements need to be performed.
   b. If one or the signal uplink 1-g SAR values is greater than 0.8 W/kg, instead of algebraically summing the 1-g SAR values, sum up the SAR distributions, similar to the enlarged zoom scan (volume scan) procedures found in FCC KDB Publication 865664 D01. And PAG is required for this case.
   c. If the algebraic sum of the 1-g SAR values is > 1.45 W/kg additional measurements may have to be made. Submit a KDB inquiry for additional guidance and PAG is required for this case.
   d. When the algebraic sum of the 1-g SAR values is > 1.6 W/kg, SPLSR analysis procedure should be applied.
10. According to the report (Report No. SZ20120168W06), the maximum E-field level at 3m which was converted to EIRP is closed to zero, therefore it is not required for RF exposure.

18.2. Head SAR Data

➢ **GSM Head SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
1#	GPRS 850(2 TX slots)	Right Cheek	189	24.30	25.00	1.175	0.571	**0.671**
	GPRS 850(2 TX slots)	Right Tilt	189	24.30	25.00	1.175	0.395	0.464
	GPRS 850(2 TX slots)	Left Cheek	189	24.30	25.00	1.175	0.321	0.377
	GPRS 850(2 TX slots)	Left Tilt	189	24.30	25.00	1.175	0.269	0.316
Bottom Ant.								
	GPRS 850(2 TX slots)	Right Cheek	189	30.82	31.50	1.169	0.200	0.234
	GPRS 850(2 TX slots)	Right Tilt	189	30.82	31.50	1.169	0.115	0.134
	GPRS 850(2 TX slots)	Left Cheek	189	30.82	31.50	1.169	0.302	0.353
	GPRS 850(2 TX slots)	Left Tilt	189	30.82	31.50	1.169	0.138	0.161
Top Ant.								
2#	GPRS 1900(2 TX slots)	Right Cheek	661	22.25	23.50	1.334	0.568	**0.757**
	GPRS 1900(2 TX slots)	Right Tilt	661	22.25	23.50	1.334	0.440	0.587
	GPRS 1900(2 TX slots)	Left Cheek	661	22.25	23.50	1.334	0.304	0.405
	GPRS 1900(2 TX slots)	Left Tilt	661	22.25	23.50	1.334	0.280	0.373
Bottom Ant.								
	GPRS 1900(2 TX slots)	Right Cheek	661	28.65	29.50	1.216	0.060	0.073
	GPRS 1900(2 TX slots)	Right Tilt	661	28.65	29.50	1.216	0.113	0.137
	GPRS 1900(2 TX slots)	Left Cheek	661	28.65	29.50	1.216	0.091	0.111
	GPRS 1900(2 TX slots)	Left Tilt	661	28.65	29.50	1.216	0.098	0.119

➢ WCDMA Head SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
3#	Band II/RMC 12.2Kbps	Right Cheek	9400	15.88	16.50	1.153	0.704	**0.812**
	Band II/RMC 12.2Kbps	Right Tilt	9400	15.88	16.50	1.153	0.527	0.608
	Band II/RMC 12.2Kbps	Left Cheek	9400	15.88	16.50	1.153	0.353	0.407
	Band II/RMC 12.2Kbps	Left Tilt	9400	15.88	16.50	1.153	0.314	0.362
	Band II/RMC 12.2Kbps	Right Cheek	9262	15.85	16.50	1.161	0.690	0.801
	Band II/RMC 12.2Kbps	Right Cheek	9538	15.86	16.50	1.159	0.662	0.767
Bottom Ant.								
	Band II/RMC 12.2Kbps	Right Cheek	9400	23.18	24.00	1.208	0.075	0.091
	Band II/RMC 12.2Kbps	Right Tilt	9400	23.18	24.00	1.208	0.055	0.066
	Band II/RMC 12.2Kbps	Left Cheek	9400	23.18	24.00	1.208	0.168	0.203
	Band II/RMC 12.2Kbps	Left Tilt	9400	23.18	24.00	1.208	0.091	0.110
Top Ant.								
4#	Band IV/RMC 12.2Kbps	Right Cheek	1413	15.34	16.00	1.164	0.670	**0.780**
	Band IV/RMC 12.2Kbps	Right Tilt	1413	15.34	16.00	1.164	0.496	0.577
	Band IV/RMC 12.2Kbps	Left Cheek	1413	15.34	16.00	1.164	0.352	0.410
	Band IV/RMC 12.2Kbps	Left Tilt	1413	15.34	16.00	1.164	0.369	0.430
Bottom Ant.								
	Band IV/RMC 12.2Kbps	Right Cheek	1413	23.21	24.00	1.199	0.076	0.091
	Band IV/RMC 12.2Kbps	Right Tilt	1413	23.21	24.00	1.199	0.046	0.055
	Band IV/RMC 12.2Kbps	Left Cheek	1413	23.21	24.00	1.199	0.116	0.139
	Band IV/RMC 12.2Kbps	Left Tilt	1413	23.21	24.00	1.199	0.076	0.091
Top Ant.								
5#	Band V/RMC 12.2Kbps	Right Cheek	4182	18.27	19.00	1.183	0.603	**0.713**
	Band V/RMC 12.2Kbps	Right Tilt	4182	18.27	19.00	1.183	0.567	0.671
	Band V/RMC 12.2Kbps	Left Cheek	4182	18.27	19.00	1.183	0.376	0.445
	Band V/RMC 12.2Kbps	Left Tilt	4182	18.27	19.00	1.183	0.357	0.422
Bottom Ant.								
	Band V/RMC 12.2Kbps	Right Cheek	4182	23.24	24.00	1.191	0.108	0.129
	Band V/RMC 12.2Kbps	Right Tilt	4182	23.24	24.00	1.191	0.067	0.080
	Band V/RMC 12.2Kbps	Left Cheek	4182	23.24	24.00	1.191	0.170	0.203
	Band V/RMC 12.2Kbps	Left Tilt	4182	23.24	24.00	1.191	0.082	0.098

➢ CDMA Head SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
6#	BC0/RTAP 153.6Kbps	Right Cheek	384	18.25	18.50	1.059	0.729	**0.772**
	BC0/RTAP 153.6Kbps	Right Tilt	384	18.25	18.50	1.059	0.632	0.669
	BC0/RTAP 153.6Kbps	Left Cheek	384	18.25	18.50	1.059	0.483	0.512
	BC0/RTAP 153.6Kbps	Left Tilt	384	18.25	18.50	1.059	0.393	0.416
Bottom Ant.								
	BC0/RTAP 153.6Kbps	Right Cheek	384	23.67	24.00	1.079	0.012	0.013
	BC0/RTAP 153.6Kbps	Right Tilt	384	23.67	24.00	1.079	0.060	0.065
	BC0/RTAP 153.6Kbps	Left Cheek	384	23.67	24.00	1.079	0.032	0.035
	BC0/RTAP 153.6Kbps	Left Tilt	384	23.67	24.00	1.079	0.016	0.017
Top Ant.								
7#	BC1/RTAP 153.6Kbps	Right Cheek	600	16.11	16.50	1.094	0.687	**0.752**
	BC1/RTAP 153.6Kbps	Right Tilt	600	16.11	16.50	1.094	0.540	0.591
	BC1/RTAP 153.6Kbps	Left Cheek	600	16.11	16.50	1.094	0.368	0.403
	BC1/RTAP 153.6Kbps	Left Tilt	600	16.11	16.50	1.094	0.373	0.408
Bottom Ant.								
	BC1/RTAP 153.6Kbps	Right Cheek	600	23.56	24.00	1.107	0.095	0.105
	BC1/RTAP 153.6Kbps	Right Tilt	600	23.56	24.00	1.107	0.013	0.014
	BC1/RTAP 153.6Kbps	Left Cheek	600	23.56	24.00	1.107	0.134	0.148
	BC1/RTAP 153.6Kbps	Left Tilt	600	23.56	24.00	1.107	0.082	0.091

➢ LTE QPSK Head SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
8#	LTE Band 2/1RB#0 20M	Right Cheek	18900	14.07	14.50	1.104	0.472	**0.521**
	LTE Band 2/1RB#0 20M	Right Tilt	18900	14.07	14.50	1.104	0.376	0.415
	LTE Band 2/1RB#0 20M	Left Cheek	18900	14.07	14.50	1.104	0.252	0.278
	LTE Band 2/1RB#0 20M	Left Tilt	18900	14.07	14.50	1.104	0.239	0.264
	LTE Band 2/50RB#0 20M	Right Cheek	18900	13.15	13.50	1.084	0.358	0.388
	LTE Band 2/50RB#0 20M	Right Tilt	18900	13.15	13.50	1.084	0.244	0.264
	LTE Band 2/50RB#0 20M	Left Cheek	18900	13.15	13.50	1.084	0.187	0.203
	LTE Band 2/50RB#0 20M	Left Tilt	18900	13.15	13.50	1.084	0.177	0.192
Bottom Ant.								
	LTE Band 2/1RB#0 20M	Right Cheek	18900	22.75	23.50	1.189	0.071	0.084
	LTE Band 2/1RB#0 20M	Right Tilt	18900	22.75	23.50	1.189	0.063	0.075
	LTE Band 2/1RB#0 20M	Left Cheek	18900	22.75	23.50	1.189	0.168	0.200
	LTE Band 2/1RB#0 20M	Left Tilt	18900	22.75	23.50	1.189	0.081	0.096
	LTE Band 2/50RB#0 20M	Right Cheek	18900	21.72	22.50	1.197	0.058	0.069
	LTE Band 2/50RB#0 20M	Right Tilt	18900	21.72	22.50	1.197	0.047	0.056
	LTE Band 2/50RB#0 20M	Left Cheek	18900	21.72	22.50	1.197	0.136	0.163
	LTE Band 2/50RB#0 20M	Left Tilt	18900	21.72	22.50	1.197	0.066	0.079
Top Ant.								
9#	LTE Band 4/1RB#0 20M	Right Cheek	20175	14.10	14.50	1.096	0.494	**0.542**
	LTE Band 4/1RB#0 20M	Right Tilt	20175	14.10	14.50	1.096	0.329	0.361
	LTE Band 4/1RB#0 20M	Left Cheek	20175	14.10	14.50	1.096	0.290	0.318
	LTE Band 4/1RB#0 20M	Left Tilt	20175	14.10	14.50	1.096	0.273	0.299
	LTE Band 4/50RB#0 20M	Right Cheek	20175	13.08	13.50	1.102	0.390	0.430
	LTE Band 4/50RB#0 20M	Right Tilt	20175	13.08	13.50	1.102	0.244	0.269
	LTE Band 4/50RB#0 20M	Left Cheek	20175	13.08	13.50	1.102	0.224	0.247
	LTE Band 4/50RB#0 20M	Left Tilt	20175	13.08	13.50	1.102	0.209	0.230

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Bottom Ant.								
	LTE Band 4/1RB#0 20M	Right Cheek	20175	22.56	23.00	1.107	0.071	0.079
	LTE Band 4/1RB#0 20M	Right Tilt	20175	22.56	23.00	1.107	0.091	0.101
	LTE Band 4/1RB#0 20M	Left Cheek	20175	22.56	23.00	1.107	0.102	0.113
	LTE Band 4/1RB#0 20M	Left Tilt	20175	22.56	23.00	1.107	0.067	0.074
	LTE Band 4/50RB#0 20M	Right Cheek	20175	21.64	22.00	1.086	0.058	0.063
	LTE Band 4/50RB#0 20M	Right Tilt	20175	21.64	22.00	1.086	0.083	0.090
	LTE Band 4/50RB#0 20M	Left Cheek	20175	21.64	22.00	1.086	0.085	0.092
	LTE Band 4/50RB#0 20M	Left Tilt	20175	21.64	22.00	1.086	0.055	0.060
Top Ant.								
10#	LTE Band 5/1RB#0 10M	Right Cheek	20525	16.99	17.50	1.125	0.392	**0.441**
	LTE Band 5/1RB#0 10M	Right Tilt	20525	16.99	17.50	1.125	0.343	0.386
	LTE Band 5/1RB#0 10M	Left Cheek	20525	16.99	17.50	1.125	0.277	0.312
	LTE Band 5/1RB#0 10M	Left Tilt	20525	16.99	17.50	1.125	0.235	0.264
	LTE Band 5/25RB#0 10M	Right Cheek	20525	16.65	17.00	1.084	0.324	0.351
	LTE Band 5/25RB#0 10M	Right Tilt	20525	16.65	17.00	1.084	0.282	0.306
	LTE Band 5/25RB#0 10M	Left Cheek	20525	16.65	17.00	1.084	0.228	0.247
	LTE Band 5/25RB#0 10M	Left Tilt	20525	16.65	17.00	1.084	0.205	0.222
Bottom Ant.								
	LTE Band 5/1RB#0 10M	Right Cheek	20525	23.22	24.00	1.197	0.111	0.133
	LTE Band 5/1RB#0 10M	Right Tilt	20525	23.22	24.00	1.197	0.067	0.080
	LTE Band 5/1RB#0 10M	Left Cheek	20525	23.22	24.00	1.197	0.161	0.193
	LTE Band 5/1RB#0 10M	Left Tilt	20525	23.22	24.00	1.197	0.074	0.089
	LTE Band 5/25RB#0 10M	Right Cheek	20525	22.32	23.00	1.169	0.089	0.104
	LTE Band 5/25RB#0 10M	Right Tilt	20525	22.32	23.00	1.169	0.054	0.063
	LTE Band 5/25RB#0 10M	Left Cheek	20525	22.32	23.00	1.169	0.130	0.152
	LTE Band 5/25RB#0 10M	Left Tilt	20525	22.32	23.00	1.169	0.060	0.070

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
11#	LTE Band 7/1RB#0 20M	Right Cheek	21100	13.64	14.00	1.086	0.463	**0.503**
	LTE Band 7/1RB#0 20M	Right Tilt	21100	13.64	14.00	1.086	0.446	0.485
	LTE Band 7/1RB#0 20M	Left Cheek	21100	13.64	14.00	1.086	0.452	0.491
	LTE Band 7/1RB#0 20M	Left Tilt	21100	13.64	14.00	1.086	0.419	0.455
	LTE Band 7/50RB#0 20M	Right Cheek	21100	12.73	13.00	1.064	0.393	0.418
	LTE Band 7/50RB#0 20M	Right Tilt	21100	12.73	13.00	1.064	0.363	0.386
	LTE Band 7/50RB#0 20M	Left Cheek	21100	12.73	13.00	1.064	0.372	0.396
	LTE Band 7/50RB#0 20M	Left Tilt	21100	12.73	13.00	1.064	0.325	0.346
Bottom Ant.								
	LTE Band 7/1RB#0 20M	Right Cheek	21100	22.37	23.00	1.156	0.033	0.038
	LTE Band 7/1RB#0 20M	Right Tilt	21100	22.37	23.00	1.156	0.023	0.027
	LTE Band 7/1RB#0 20M	Left Cheek	21100	22.37	23.00	1.156	0.046	0.053
	LTE Band 7/1RB#0 20M	Left Tilt	21100	22.37	23.00	1.156	0.029	0.034
	LTE Band 7/50RB#0 20M	Right Cheek	21100	21.62	22.00	1.091	0.026	0.028
	LTE Band 7/50RB#0 20M	Right Tilt	21100	21.62	22.00	1.091	0.019	0.021
	LTE Band 7/50RB#0 20M	Left Cheek	21100	21.62	22.00	1.091	0.041	0.045
	LTE Band 7/50RB#0 20M	Left Tilt	21100	21.62	22.00	1.091	0.022	0.024
Top Ant.								
12#	LTE Band 12/1RB#0 10M	Right Cheek	23095	17.86	18.50	1.159	0.467	**0.541**
	LTE Band 12/1RB#0 10M	Right Tilt	23095	17.86	18.50	1.159	0.351	0.407
	LTE Band 12/1RB#0 10M	Left Cheek	23095	17.86	18.50	1.159	0.264	0.306
	LTE Band 12/1RB#0 10M	Left Tilt	23095	17.86	18.50	1.159	0.246	0.285
	LTE Band 12/25RB#0 10M	Right Cheek	23095	17.05	17.50	1.109	0.371	0.412
	LTE Band 12/25RB#0 10M	Right Tilt	23095	17.05	17.50	1.109	0.290	0.322
	LTE Band 12/25RB#0 10M	Left Cheek	23095	17.05	17.50	1.109	0.202	0.224
	LTE Band 12/25RB#0 10M	Left Tilt	23095	17.05	17.50	1.109	0.193	0.214
Bottom Ant.								
	LTE Band 12/1RB#0 10M	Right Cheek	23095	23.42	24.00	1.143	0.023	0.026
	LTE Band 12/1RB#0 10M	Right Tilt	23095	23.42	24.00	1.143	0.010	0.011
	LTE Band 12/1RB#0 10M	Left Cheek	23095	23.42	24.00	1.143	0.046	0.053
	LTE Band 12/1RB#0 10M	Left Tilt	23095	23.42	24.00	1.143	0.016	0.018

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 12/25RB#0 10M	Right Cheek	23095	22.61	23.00	1.094	0.020	0.022
	LTE Band 12/25RB#0 10M	Right Tilt	23095	22.61	23.00	1.094	0.009	0.010
	LTE Band 12/25RB#0 10M	Left Cheek	23095	22.61	23.00	1.094	0.039	0.043
	LTE Band 12/25RB#0 10M	Left Tilt	23095	22.61	23.00	1.094	0.015	0.016
Top Ant.								
13#	LTE Band 18/1RB#0 15M	Right Cheek	23925	17.73	18.50	1.194	0.489	**0.584**
	LTE Band 18/1RB#0 15M	Right Tilt	23925	17.73	18.50	1.194	0.387	0.462
	LTE Band 18/1RB#0 15M	Left Cheek	23925	17.73	18.50	1.194	0.308	0.368
	LTE Band 18/1RB#0 15M	Left Tilt	23925	17.73	18.50	1.194	0.275	0.328
	LTE Band 18/36RB#0 15M	Right Cheek	23925	16.74	17.50	1.191	0.413	0.492
	LTE Band 18/36RB#0 15M	Right Tilt	23925	16.74	17.50	1.191	0.318	0.379
	LTE Band 18/36RB#0 15M	Left Cheek	23925	16.74	17.50	1.191	0.242	0.288
	LTE Band 18/36RB#0 15M	Left Tilt	23925	16.74	17.50	1.191	0.226	0.269
Bottom Ant.								
	LTE Band 18/1RB#0 15M	Right Cheek	23925	23.34	24.00	1.164	0.059	0.069
	LTE Band 18/1RB#0 15M	Right Tilt	23925	23.34	24.00	1.164	0.028	0.033
	LTE Band 18/1RB#0 15M	Left Cheek	23925	23.34	24.00	1.164	0.109	0.127
	LTE Band 18/1RB#0 15M	Left Tilt	23925	23.34	24.00	1.164	0.041	0.048
	LTE Band 18/36RB#0 15M	Right Cheek	23925	22.51	23.00	1.119	0.050	0.056
	LTE Band 18/36RB#0 15M	Right Tilt	23925	22.51	23.00	1.119	0.025	0.028
	LTE Band 18/36RB#0 15M	Left Cheek	23925	22.51	23.00	1.119	0.096	0.107
	LTE Band 18/36RB#0 15M	Left Tilt	23925	22.51	23.00	1.119	0.038	0.043
Top Ant.								
14#	LTE Band 19/1RB#0 15M	Right Cheek	24075	17.59	18.50	1.233	0.522	**0.644**
	LTE Band 19/1RB#0 15M	Right Tilt	24075	17.59	18.50	1.233	0.430	0.530
	LTE Band 19/1RB#0 15M	Left Cheek	24075	17.59	18.50	1.233	0.336	0.414
	LTE Band 19/1RB#0 15M	Left Tilt	24075	17.59	18.50	1.233	0.301	0.371
	LTE Band 19/36RB#0 15M	Right Cheek	24075	16.81	17.50	1.172	0.441	0.517
	LTE Band 19/36RB#0 15M	Right Tilt	24075	16.81	17.50	1.172	0.355	0.416
	LTE Band 19/36RB#0 15M	Left Cheek	24075	16.81	17.50	1.172	0.264	0.309
	LTE Band 19/36RB#0 15M	Left Tilt	24075	16.81	17.50	1.172	0.259	0.304

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Bottom Ant.								
	LTE Band 19/1RB#0 15M	Right Cheek	24075	23.32	24.00	1.169	0.076	0.089
	LTE Band 19/1RB#0 15M	Right Tilt	24075	23.32	24.00	1.169	0.038	0.044
	LTE Band 19/1RB#0 15M	Left Cheek	24075	23.32	24.00	1.169	0.136	0.159
	LTE Band 19/1RB#0 15M	Left Tilt	24075	23.32	24.00	1.169	0.058	0.068
	LTE Band 19/36RB#0 15M	Right Cheek	24075	22.31	23.00	1.172	0.064	0.075
	LTE Band 19/36RB#0 15M	Right Tilt	24075	22.31	23.00	1.172	0.032	0.038
	LTE Band 19/36RB#0 15M	Left Cheek	24075	22.31	23.00	1.172	0.113	0.132
	LTE Band 19/36RB#0 15M	Left Tilt	24075	22.31	23.00	1.172	0.051	0.060
Top Ant.								
15#	LTE Band 26/1RB#0 15M	Right Cheek	26865	17.73	18.50	1.194	0.478	**0.571**
	LTE Band 26/1RB#0 15M	Right Tilt	26865	17.73	18.50	1.194	0.402	0.480
	LTE Band 26/1RB#0 15M	Left Cheek	26865	17.73	18.50	1.194	0.324	0.387
	LTE Band 26/1RB#0 15M	Left Tilt	26865	17.73	18.50	1.194	0.260	0.310
	LTE Band 26/36RB#0 15M	Right Cheek	26865	16.98	17.50	1.127	0.416	0.469
	LTE Band 26/36RB#0 15M	Right Tilt	26865	16.98	17.50	1.127	0.346	0.390
	LTE Band 26/36RB#0 15M	Left Cheek	26865	16.98	17.50	1.127	0.258	0.291
	LTE Band 26/36RB#0 15M	Left Tilt	26865	16.98	17.50	1.127	0.192	0.216
Bottom Ant.								
	LTE Band 26/1RB#0 15M	Right Cheek	26865	23.15	23.50	1.084	0.072	0.078
	LTE Band 26/1RB#0 15M	Right Tilt	26865	23.15	23.50	1.084	0.033	0.036
	LTE Band 26/1RB#0 15M	Left Cheek	26865	23.15	23.50	1.084	0.113	0.122
	LTE Band 26/1RB#0 15M	Left Tilt	26865	23.15	23.50	1.084	0.055	0.060
	LTE Band 26/36RB#0 15M	Right Cheek	26865	22.24	22.50	1.062	0.059	0.063
	LTE Band 26/36RB#0 15M	Right Tilt	26865	22.24	22.50	1.062	0.028	0.030
	LTE Band 26/36RB#0 15M	Left Cheek	26865	22.24	22.50	1.062	0.100	0.106
	LTE Band 26/36RB#0 15M	Left Tilt	26865	22.24	22.50	1.062	0.047	0.050
Top Ant.								
16#	LTE Band 38/1RB#0 20M	Right Cheek	38000	15.58	16.00	1.102	0.241	**0.266**
	LTE Band 38/1RB#0 20M	Right Tilt	38000	15.58	16.00	1.102	0.238	0.263
	LTE Band 38/1RB#0 20M	Left Cheek	38000	15.58	16.00	1.102	0.216	0.238
	LTE Band 38/1RB#0 20M	Left Tilt	38000	15.58	16.00	1.102	0.205	0.226

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 38/50RB#0 20M	Right Cheek	38000	14.75	15.00	1.059	0.220	0.234
	LTE Band 38/50RB#0 20M	Right Tilt	38000	14.75	15.00	1.059	0.211	0.224
	LTE Band 38/50RB#0 20M	Left Cheek	38000	14.75	15.00	1.059	0.204	0.217
	LTE Band 38/50RB#0 20M	Left Tilt	38000	14.75	15.00	1.059	0.203	0.215
Bottom Ant.								
	LTE Band 38/1RB#0 20M	Right Cheek	38000	22.77	23.50	1.183	0.012	0.014
	LTE Band 38/1RB#0 20M	Right Tilt	38000	22.77	23.50	1.183	0.013	0.015
	LTE Band 38/1RB#0 20M	Left Cheek	38000	22.77	23.50	1.183	0.017	0.020
	LTE Band 38/1RB#0 20M	Left Tilt	38000	22.77	23.50	1.183	0.009	0.011
	LTE Band 38/50RB#0 20M	Right Cheek	38000	21.54	22.50	1.247	0.010	0.012
	LTE Band 38/50RB#0 20M	Right Tilt	38000	21.54	22.50	1.247	0.012	0.015
	LTE Band 38/50RB#0 20M	Left Cheek	38000	21.54	22.50	1.247	0.017	0.021
	LTE Band 38/50RB#0 20M	Left Tilt	38000	21.54	22.50	1.247	0.010	0.012
Top Ant.								
17#	LTE Band 40A/1RB#0 10M	Right Cheek	38750	15.62	16.00	1.091	0.289	**0.316**
	LTE Band 40A/1RB#0 10M	Right Tilt	38750	15.62	16.00	1.091	0.277	0.303
	LTE Band 40A/1RB#0 10M	Left Cheek	38750	15.62	16.00	1.091	0.225	0.246
	LTE Band 40A/1RB#0 10M	Left Tilt	38750	15.62	16.00	1.091	0.221	0.242
	LTE Band 40A/25RB#0 10M	Right Cheek	38750	14.78	15.00	1.052	0.251	0.265
	LTE Band 40A/25RB#0 10M	Right Tilt	38750	14.78	15.00	1.052	0.243	0.256
	LTE Band 40A/25RB#0 10M	Left Cheek	38750	14.78	15.00	1.052	0.180	0.190
	LTE Band 40A/25RB#0 10M	Left Tilt	38750	14.78	15.00	1.052	0.180	0.190
Bottom Ant.								
	LTE Band 40A/1RB#0 10M	Right Cheek	38750	22.79	23.50	1.178	0.017	0.020
	LTE Band 40A/1RB#0 10M	Right Tilt	38750	22.79	23.50	1.178	0.010	0.012
	LTE Band 40A/1RB#0 10M	Left Cheek	38750	22.79	23.50	1.178	0.030	0.035
	LTE Band 40A/1RB#0 10M	Left Tilt	38750	22.79	23.50	1.178	0.009	0.011
	LTE Band 40A/25RB#0 10M	Right Cheek	38750	21.91	22.50	1.146	0.014	0.016
	LTE Band 40A/25RB#0 10M	Right Tilt	38750	21.91	22.50	1.146	0.008	0.009
	LTE Band 40A/25RB#0 10M	Left Cheek	38750	21.91	22.50	1.146	0.038	0.044
	LTE Band 40A/25RB#0 10M	Left Tilt	38750	21.91	22.50	1.146	0.008	0.009

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
18#	LTE Band 40B/1RB#0 10M	Right Cheek	39200	15.58	16.00	1.102	0.296	**0.327**
	LTE Band 40B/1RB#0 10M	Right Tilt	39200	15.58	16.00	1.102	0.277	0.306
	LTE Band 40B/1RB#0 10M	Left Cheek	39200	15.58	16.00	1.102	0.252	0.278
	LTE Band 40B/1RB#0 10M	Left Tilt	39200	15.58	16.00	1.102	0.242	0.267
	LTE Band 40B/25RB#0 10M	Right Cheek	39200	14.77	15.00	1.054	0.258	0.273
	LTE Band 40B/25RB#0 10M	Right Tilt	39200	14.77	15.00	1.054	0.245	0.259
	LTE Band 40B/25RB#0 10M	Left Cheek	39200	14.77	15.00	1.054	0.208	0.220
	LTE Band 40B/25RB#0 10M	Left Tilt	39200	14.77	15.00	1.054	0.197	0.208
Bottom Ant.								
	LTE Band 40B/1RB#0 10M	Right Cheek	39200	22.75	23.50	1.189	0.018	0.021
	LTE Band 40B/1RB#0 10M	Right Tilt	39200	22.75	23.50	1.189	0.010	0.012
	LTE Band 40B/1RB#0 10M	Left Cheek	39200	22.75	23.50	1.189	0.027	0.032
	LTE Band 40B/1RB#0 10M	Left Tilt	39200	22.75	23.50	1.189	0.012	0.014
	LTE Band 40B/25RB#0 10M	Right Cheek	39200	21.88	22.50	1.153	0.015	0.017
	LTE Band 40B/25RB#0 10M	Right Tilt	39200	21.88	22.50	1.153	0.009	0.010
	LTE Band 40B/25RB#0 10M	Left Cheek	39200	21.88	22.50	1.153	0.020	0.023
	LTE Band 40B/25RB#0 10M	Left Tilt	39200	21.88	22.50	1.153	0.010	0.012
Top Ant.								
19#	LTE Band 66/1RB#0 20M	Right Cheek	132322	14.68	15.00	1.076	0.571	**0.615**
	LTE Band 66/1RB#0 20M	Right Tilt	132322	14.68	15.00	1.076	0.421	0.453
	LTE Band 66/1RB#0 20M	Left Cheek	132322	14.68	15.00	1.076	0.333	0.358
	LTE Band 66/1RB#0 20M	Left Tilt	132322	14.68	15.00	1.076	0.317	0.341
	LTE Band 66/50RB#0 20M	Right Cheek	132322	13.61	14.00	1.094	0.444	0.486
	LTE Band 66/50RB#0 20M	Right Tilt	132322	13.61	14.00	1.094	0.304	0.333
	LTE Band 66/50RB#0 20M	Left Cheek	132322	13.61	14.00	1.094	0.234	0.256
	LTE Band 66/50RB#0 20M	Left Tilt	132322	13.61	14.00	1.094	0.247	0.270
Bottom Ant.								
	LTE Band 66/1RB#0 20M	Right Cheek	132322	23.12	23.50	1.091	0.063	0.069
	LTE Band 66/1RB#0 20M	Right Tilt	132322	23.12	23.50	1.091	0.061	0.067
	LTE Band 66/1RB#0 20M	Left Cheek	132322	23.12	23.50	1.091	0.106	0.116
	LTE Band 66/1RB#0 20M	Left Tilt	132322	23.12	23.50	1.091	0.067	0.073

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 66/50RB#0 20M	Right Cheek	132322	22.24	22.50	1.062	0.052	0.055
	LTE Band 66/50RB#0 20M	Right Tilt	132322	22.24	22.50	1.062	0.049	0.052
	LTE Band 66/50RB#0 20M	Left Cheek	132322	22.24	22.50	1.062	0.091	0.096
	LTE Band 66/50RB#0 20M	Left Tilt	132322	22.24	22.50	1.062	0.060	0.064

➢ **5G NR DFT-s-QPSK Head SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
TX 1								
	NR N41/1RB#1 100M	Right Cheek	518598	23.43	24.00	1.140	0.133	0.152
	NR N41/1RB#1 100M	Right Tilt	518598	23.43	24.00	1.140	0.055	0.063
20#	NR N41/1RB#1 100M	Left Cheek	518598	23.43	24.00	1.140	0.356	**0.406**
	NR N41/1RB#1 100M	Left Tilt	518598	23.43	24.00	1.140	0.098	0.111
	NR N41/135RB#1 100M	Right Cheek	518598	23.32	24.00	1.169	0.093	0.108
	NR N41/135RB#1 100M	Right Tilt	518598	23.32	24.00	1.169	0.038	0.045
	NR N41/135RB#1 100M	Left Cheek	518598	23.32	24.00	1.169	0.264	0.309
	NR N41/135RB#1 100M	Left Tilt	518598	23.32	24.00	1.169	0.058	0.068

➢ WLAN Head SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH0								
	WLAN2.4GHz/802.11b	Right Cheek	6	12.35	12.50	1.035	0.216	0.224
	WLAN2.4GHz/802.11b	Right Tilt	6	12.35	12.50	1.035	0.108	0.112
21#	WLAN2.4GHz/802.11b	Left Cheek	6	12.35	12.50	1.035	0.617	**0.639**
	WLAN2.4GHz/802.11b	Left Tilt	6	12.35	12.50	1.035	0.378	0.391
CH1								
	WLAN2.4GHz/802.11b	Right Cheek	6	16.91	17.50	1.146	0.025	0.029
	WLAN2.4GHz/802.11b	Right Tilt	6	16.91	17.50	1.146	0.004	0.005
	WLAN2.4GHz/802.11b	Left Cheek	6	16.91	17.50	1.146	0.006	0.006
	WLAN2.4GHz/802.11b	Left Tilt	6	16.91	17.50	1.146	0.003	0.003
CH0								
	WLAN5.2GHz/802.11a	Right Cheek	48	12.96	13.50	1.132	0.040	0.045
	WLAN5.2GHz/802.11a	Right Tilt	48	12.96	13.50	1.132	0.053	0.060
	WLAN5.2GHz/802.11a	Left Cheek	48	12.96	13.50	1.132	0.185	0.209
	WLAN5.2GHz/802.11a	Left Tilt	48	12.96	13.50	1.132	0.123	0.139
CH1								
	WLAN5.2GHz/802.11a	Right Cheek	44	12.96	13.50	1.132	0.069	0.078
	WLAN5.2GHz/802.11a	Right Tilt	44	12.96	13.50	1.132	0.088	0.099
22#	WLAN5.2GHz/802.11a	Left Cheek	44	12.96	13.50	1.132	0.307	**0.348**
	WLAN5.2GHz/802.11a	Left Tilt	44	12.96	13.50	1.132	0.125	0.142
CH0								
	WLAN5.3GHz/802.11a	Right Cheek	64	10.37	11.00	1.156	0.018	0.021
	WLAN5.3GHz/802.11a	Right Tilt	64	10.37	11.00	1.156	0.080	0.092
	WLAN5.3GHz/802.11a	Left Cheek	64	10.37	11.00	1.156	0.126	0.146
	WLAN5.3GHz/802.11a	Left Tilt	64	10.37	11.00	1.156	0.125	0.145
CH1								
	WLAN5.3GHz/802.11a	Right Cheek	60	14.20	14.50	1.072	0.208	0.223
	WLAN5.3GHz/802.11a	Right Tilt	60	14.20	14.50	1.072	0.125	0.134
23#	WLAN5.3GHz/802.11a	Left Cheek	60	14.20	14.50	1.072	0.519	**0.556**
	WLAN5.3GHz/802.11a	Left Tilt	60	14.20	14.50	1.072	0.186	0.199
CH0								
	WLAN5.5GHz/802.11a	Right Cheek	100	10.37	10.50	1.030	0.228	0.235
	WLAN5.5GHz/802.11a	Right Tilt	100	10.37	10.50	1.030	0.142	0.146
	WLAN5.5GHz/802.11a	Left Cheek	100	10.37	10.50	1.030	0.244	0.251
	WLAN5.5GHz/802.11a	Left Tilt	100	10.37	10.50	1.030	0.167	0.172

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH1								
	WLAN5.5GHz/802.11a	Right Cheek	100	15.30	15.50	1.047	0.131	0.137
	WLAN5.5GHz/802.11a	Right Tilt	100	15.30	15.50	1.047	0.127	0.133
24#	WLAN5.5GHz/802.11a	Left Cheek	100	15.30	15.50	1.047	0.549	**0.575**
	WLAN5.5GHz/802.11a	Left Tilt	100	15.30	15.50	1.047	0.179	0.187
CH0								
	WLAN5.8GHz/802.11a	Right Cheek	165	10.16	10.50	1.081	0.116	0.125
	WLAN5.8GHz/802.11a	Right Tilt	165	10.16	10.50	1.081	0.082	0.089
	WLAN5.8GHz/802.11a	Left Cheek	165	10.16	10.50	1.081	0.185	0.200
	WLAN5.8GHz/802.11a	Left Tilt	165	10.16	10.50	1.081	0.099	0.107
CH1								
	WLAN5.8GHz/802.11a	Right Cheek	157	12.38	13.00	1.153	0.241	0.278
	WLAN5.8GHz/802.11a	Right Tilt	157	12.38	13.00	1.153	0.116	0.134
25#	WLAN5.8GHz/802.11a	Left Cheek	157	12.38	13.00	1.153	0.490	**0.565**
	WLAN5.8GHz/802.11a	Left Tilt	157	12.38	13.00	1.153	0.424	0.489

➢ WLAN Head SAR for MIMO Simultaneously Transmission

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH0								
	WLAN2.4GHz/802.11b	Right Cheek	6	11.87	12.50	1.156	0.066	0.077
	WLAN2.4GHz/802.11b	Right Tilt	6	11.87	12.50	1.156	0.044	0.051
26#	WLAN2.4GHz/802.11b	Left Cheek	6	11.87	12.50	1.156	0.230	**0.266**
	WLAN2.4GHz/802.11b	Left Tilt	6	11.87	12.50	1.156	0.168	0.194
CH1								
	WLAN2.4GHz/802.11b	Right Cheek	6	16.91	17.50	1.146	0.025	0.029
	WLAN2.4GHz/802.11b	Right Tilt	6	16.91	17.50	1.146	0.004	0.005
	WLAN2.4GHz/802.11b	Left Cheek	6	16.91	17.50	1.146	0.006	0.006
	WLAN2.4GHz/802.11b	Left Tilt	6	16.91	17.50	1.146	0.003	0.003
CH0								
	WLAN5.2GHz/802.11ax80	Right Cheek	42	12.88	13.50	1.153	0.040	0.046
	WLAN5.2GHz/802.11ax80	Right Tilt	42	12.88	13.50	1.153	0.053	0.061
	WLAN5.2GHz/802.11ax80	Left Cheek	42	12.88	13.50	1.153	0.185	0.213
	WLAN5.2GHz/802.11ax80	Left Tilt	42	12.88	13.50	1.153	0.123	0.142
CH1								
	WLAN5.2GHz/802.11a	Right Cheek	44	14.12	14.50	1.091	0.069	0.076
	WLAN5.2GHz/802.11a	Right Tilt	44	14.12	14.50	1.091	0.088	0.096
27#	WLAN5.2GHz/802.11a	Left Cheek	44	14.12	14.50	1.091	0.307	**0.335**
	WLAN5.2GHz/802.11a	Left Tilt	44	14.12	14.50	1.091	0.125	0.136
CH0								
	WLAN5.3GHz/802.11ax40	Right Cheek	62	13.16	13.50	1.081	0.018	0.020
	WLAN5.3GHz/802.11ax40	Right Tilt	62	13.16	13.50	1.081	0.080	0.087
	WLAN5.3GHz/802.11ax40	Left Cheek	62	13.16	13.50	1.081	0.126	0.136
	WLAN5.3GHz/802.11ax40	Left Tilt	62	13.16	13.50	1.081	0.125	0.135
CH1								
	WLAN5.3GHz/802.11a	Right Cheek	60	14.51	15.00	1.119	0.055	0.061
	WLAN5.3GHz/802.11a	Right Tilt	60	14.51	15.00	1.119	0.069	0.077
28#	WLAN5.3GHz/802.11a	Left Cheek	60	14.51	15.00	1.119	0.320	**0.358**
	WLAN5.3GHz/802.11a	Left Tilt	60	14.51	15.00	1.119	0.128	0.143
CH0								
	WLAN5.5GHz/802.11ax40	Right Cheek	102	13.93	14.50	1.140	0.168	0.192
	WLAN5.5GHz/802.11ax40	Right Tilt	102	13.93	14.50	1.140	0.142	0.162
	WLAN5.5GHz/802.11ax40	Left Cheek	102	13.93	14.50	1.140	0.290	0.331
	WLAN5.5GHz/802.11ax40	Left Tilt	102	13.93	14.50	1.140	0.245	0.279

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH1								
	WLAN5.5GHz/802.11n40	Right Cheek	102	15.51	16.00	1.119	0.125	0.140
	WLAN5.5GHz/802.11n40	Right Tilt	102	15.51	16.00	1.119	0.097	0.109
29#	WLAN5.5GHz/802.11n40	Left Cheek	102	15.51	16.00	1.119	0.299	**0.335**
	WLAN5.5GHz/802.11n40	Left Tilt	102	15.51	16.00	1.119	0.087	0.097
CH0								
	WLAN5.8GHz/802.11ax80	Right Cheek	155	13.34	13.50	1.038	0.060	0.062
	WLAN5.8GHz/802.11ax80	Right Tilt	155	13.34	13.50	1.038	0.010	0.010
	WLAN5.8GHz/802.11ax80	Left Cheek	155	13.34	13.50	1.038	0.085	0.088
	WLAN5.8GHz/802.11ax80	Left Tilt	155	13.34	13.50	1.038	0.069	0.072
CH1								
	WLAN5.8GHz/802.11ax40	Right Cheek	151	12.82	13.50	1.169	0.050	0.058
	WLAN5.8GHz/802.11ax40	Right Tilt	151	12.82	13.50	1.169	0.021	0.025
30#	WLAN5.8GHz/802.11ax40	Left Cheek	151	12.82	13.50	1.169	0.214	**0.250**
	WLAN5.8GHz/802.11ax40	Left Tilt	151	12.82	13.50	1.169	0.057	0.066

Note:

1. Per KDB 447498 D01v06, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8W/kg, other channels SAR testing is not necessary.
2. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required when the measured SAR is ≥ 0.8W/kg.
3. Per KDB 941225 D05v02r05, 100% RB allocation SAR measurement is not required when the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg.
4. Per KDB 248227 D01v02r02, for 802.11b DSSS , when the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required in that exposure configuration.
5. Per KDB 248227 D01v02r02, OFDM SAR is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
6. According to KDB 865664 D02v01r02, SAR plot is required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
7. The WLAN Reported 1g SAR (W/kg) has been calculated together with the duty cycle scaling factor 1.0 for 2.4G WLAN and 5G WLAN.

18.3. Body SAR Data

➢ GSM Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
	GPRS 850(2 TX slots)	Front Side	189	24.30	25.00	1.175	0.129	0.152
	GPRS 850(2 TX slots)	Back Side	189	24.30	25.00	1.175	0.124	0.146
	GPRS 850(2 TX slots)	Left Side	189	24.30	25.00	1.175	0.061	0.071
	GPRS 850(2 TX slots)	Right Side	189	24.30	25.00	1.175	0.016	0.019
	GPRS 850(2 TX slots)	Top Side	189	24.30	25.00	1.175	0.112	0.132
Bottom Ant.								
31#	GPRS 850(2 TX slots)	Front Side	189	30.82	31.50	1.169	0.582	**0.681**
	GPRS 850(2 TX slots)	Back Side	189	30.82	31.50	1.169	0.437	0.511
	GPRS 850(2 TX slots)	Left Side	189	30.82	31.50	1.169	0.375	0.439
	GPRS 850(2 TX slots)	Right Side	189	30.82	31.50	1.169	0.068	0.080
32#	GPRS 850(2 TX slots)	Bottom Side	189	30.82	31.50	1.169	0.610	**0.713**
Top Ant.								
	GPRS 1900(2 TX slots)	Front Side	661	22.25	23.50	1.334	0.129	0.172
	GPRS 1900(2 TX slots)	Back Side	661	22.25	23.50	1.334	0.127	0.169
	GPRS 1900(2 TX slots)	Left Side	661	22.25	23.50	1.334	0.106	0.141
	GPRS 1900(2 TX slots)	Right Side	661	22.25	23.50	1.334	0.016	0.021
	GPRS 1900(2 TX slots)	Top Side	661	22.25	23.50	1.334	0.059	0.079
Bottom Ant.								
33#	GPRS 1900(2 TX slots)	Front Side	661	28.65	29.50	1.216	0.252	**0.306**
	GPRS 1900(2 TX slots)	Back Side	661	28.65	29.50	1.216	0.210	0.255
	GPRS 1900(2 TX slots)	Left Side	661	28.65	29.50	1.216	0.183	0.223
	GPRS 1900(2 TX slots)	Right Side	661	28.65	29.50	1.216	0.057	0.069
	GPRS 1900(2 TX slots)	Bottom Side	661	28.65	29.50	1.216	0.200	0.243

➢ WCDMA Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
	Band II/RMC 12.2Kbps	Front Side	9400	15.88	16.50	1.153	0.148	0.171
	Band II/RMC 12.2Kbps	Back Side	9400	15.88	16.50	1.153	0.151	0.174
	Band II/RMC 12.2Kbps	Left Side	9400	15.88	16.50	1.153	0.120	0.138
	Band II/RMC 12.2Kbps	Right Side	9400	15.88	16.50	1.153	0.018	0.021
	Band II/RMC 12.2Kbps	Top Side	9400	15.88	16.50	1.153	0.079	0.091
Bottom Ant.								
34#	Band II/RMC 12.2Kbps	Front Side	9400	23.18	24.00	1.208	0.316	**0.382**
	Band II/RMC 12.2Kbps	Back Side	9400	23.18	24.00	1.208	0.271	0.327
	Band II/RMC 12.2Kbps	Left Side	9400	23.18	24.00	1.208	0.251	0.303
	Band II/RMC 12.2Kbps	Right Side	9400	23.18	24.00	1.208	0.073	0.088
	Band II/RMC 12.2Kbps	Bottom Side	9400	23.18	24.00	1.208	0.241	0.291
Top Ant.								
	Band IV/RMC 12.2Kbps	Front Side	1413	15.34	16.00	1.164	0.102	0.119
	Band IV/RMC 12.2Kbps	Back Side	1413	15.34	16.00	1.164	0.096	0.112
	Band IV/RMC 12.2Kbps	Left Side	1413	15.34	16.00	1.164	0.080	0.093
	Band IV/RMC 12.2Kbps	Right Side	1413	15.34	16.00	1.164	0.010	0.012
	Band IV/RMC 12.2Kbps	Top Side	1413	15.34	16.00	1.164	0.075	0.087
Bottom Ant.								
35#	Band IV/RMC 12.2Kbps	Front Side	1413	23.21	24.00	1.199	0.327	**0.392**
	Band IV/RMC 12.2Kbps	Back Side	1413	23.21	24.00	1.199	0.301	0.361
	Band IV/RMC 12.2Kbps	Left Side	1413	23.21	24.00	1.199	0.321	0.385
	Band IV/RMC 12.2Kbps	Right Side	1413	23.21	24.00	1.199	0.054	0.065
	Band IV/RMC 12.2Kbps	Bottom Side	1413	23.21	24.00	1.199	0.286	0.343
Top Ant.								
	Band V/RMC 12.2Kbps	Front Side	4182	18.27	19.00	1.183	0.150	0.177
	Band V/RMC 12.2Kbps	Back Side	4182	18.27	19.00	1.183	0.140	0.166
	Band V/RMC 12.2Kbps	Left Side	4182	18.27	19.00	1.183	0.070	0.083
	Band V/RMC 12.2Kbps	Right Side	4182	18.27	19.00	1.183	0.013	0.015
	Band V/RMC 12.2Kbps	Top Side	4182	18.27	19.00	1.183	0.135	0.160
Bottom Ant.								
36#	Band V/RMC 12.2Kbps	Front Side	4182	23.24	24.00	1.191	0.323	**0.385**
	Band V/RMC 12.2Kbps	Back Side	4182	23.24	24.00	1.191	0.291	0.347
	Band V/RMC 12.2Kbps	Left Side	4182	23.24	24.00	1.191	0.227	0.270
	Band V/RMC 12.2Kbps	Right Side	4182	23.24	24.00	1.191	0.044	0.052

37#	Band V/RMC 12.2Kbps	Bottom Side	4182	23.24	24.00	1.191	0.349	**0.416**

➢ CDMA Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
	BC0/RTAP 153.6Kbps	Front Side	384	18.25	18.50	1.059	0.181	0.192
	BC0/RTAP 153.6Kbps	Back Side	384	18.25	18.50	1.059	0.155	0.164
	BC0/RTAP 153.6Kbps	Left Side	384	18.25	18.50	1.059	0.080	0.085
	BC0/RTAP 153.6Kbps	Right Side	384	18.25	18.50	1.059	0.020	0.021
	BC0/RTAP 153.6Kbps	Top Side	384	18.25	18.50	1.059	0.156	0.165
Bottom Ant.								
38#	BC0/RTAP 153.6Kbps	Front Side	384	23.67	24.00	1.079	0.365	**0.394**
	BC0/RTAP 153.6Kbps	Back Side	384	23.67	24.00	1.079	0.333	0.359
	BC0/RTAP 153.6Kbps	Left Side	384	23.67	24.00	1.079	0.081	0.087
	BC0/RTAP 153.6Kbps	Right Side	384	23.67	24.00	1.079	0.035	0.038
	BC0/RTAP 153.6Kbps	Bottom Side	384	23.67	24.00	1.079	0.362	0.391
Top Ant.								
	BC1/RTAP 153.6Kbps	Front Side	600	16.11	16.50	1.094	0.129	0.141
	BC1/RTAP 153.6Kbps	Back Side	600	16.11	16.50	1.094	0.146	0.160
	BC1/RTAP 153.6Kbps	Left Side	600	16.11	16.50	1.094	0.110	0.120
	BC1/RTAP 153.6Kbps	Right Side	600	16.11	16.50	1.094	0.024	0.026
	BC1/RTAP 153.6Kbps	Top Side	600	16.11	16.50	1.094	0.092	0.100
Bottom Ant.								
39#	BC1/RTAP 153.6Kbps	Front Side	600	23.56	24.00	1.107	0.377	**0.417**
	BC1/RTAP 153.6Kbps	Back Side	600	23.56	24.00	1.107	0.349	0.386
	BC1/RTAP 153.6Kbps	Left Side	600	23.56	24.00	1.107	0.304	0.336
	BC1/RTAP 153.6Kbps	Right Side	600	23.56	24.00	1.107	0.036	0.040
	BC1/RTAP 153.6Kbps	Bottom Side	600	23.56	24.00	1.107	0.231	0.256

➢ **LTE QPSK Body SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Top Ant.								
	LTE Band 2/1RB#0 20M	Front Side	18900	14.07	14.50	1.104	0.090	0.099
	LTE Band 2/1RB#0 20M	Back Side	18900	14.07	14.50	1.104	0.090	0.099
	LTE Band 2/1RB#0 20M	Left Side	18900	14.07	14.50	1.104	0.080	0.088
	LTE Band 2/1RB#0 20M	Right Side	18900	14.07	14.50	1.104	0.012	0.014
	LTE Band 2/1RB#0 20M	Top Side	18900	14.07	14.50	1.104	0.059	0.066
	LTE Band 2/50RB#0 20M	Front Side	18900	13.15	13.50	1.084	0.079	0.085
	LTE Band 2/50RB#0 20M	Back Side	18900	13.15	13.50	1.084	0.070	0.076
	LTE Band 2/50RB#0 20M	Left Side	18900	13.15	13.50	1.084	0.060	0.065
	LTE Band 2/50RB#0 20M	Right Side	18900	13.15	13.50	1.084	0.010	0.011
	LTE Band 2/50RB#0 20M	Top Side	18900	13.15	13.50	1.084	0.049	0.053
Bottom Ant.								
40#	LTE Band 2/1RB#0 20M	Front Side	18900	22.75	23.50	1.189	0.291	**0.346**
	LTE Band 2/1RB#0 20M	Back Side	18900	22.75	23.50	1.189	0.241	0.286
	LTE Band 2/1RB#0 20M	Left Side	18900	22.75	23.50	1.189	0.211	0.251
	LTE Band 2/1RB#0 20M	Right Side	18900	22.75	23.50	1.189	0.068	0.081
	LTE Band 2/1RB#0 20M	Bottom Side	18900	22.75	23.50	1.189	0.230	0.273
	LTE Band 2/50RB#0 20M	Front Side	18900	21.72	22.50	1.197	0.261	0.312
	LTE Band 2/50RB#0 20M	Back Side	18900	21.72	22.50	1.197	0.232	0.278
	LTE Band 2/50RB#0 20M	Left Side	18900	21.72	22.50	1.197	0.201	0.241
	LTE Band 2/50RB#0 20M	Right Side	18900	21.72	22.50	1.197	0.058	0.069
	LTE Band 2/50RB#0 20M	Bottom Side	18900	21.72	22.50	1.197	0.199	0.238
Top Ant.								
	LTE Band 4/1RB#0 20M	Front Side	20175	14.10	14.50	1.096	0.070	0.076
	LTE Band 4/1RB#0 20M	Back Side	20175	14.10	14.50	1.096	0.053	0.059
	LTE Band 4/1RB#0 20M	Left Side	20175	14.10	14.50	1.096	0.063	0.070
	LTE Band 4/1RB#0 20M	Right Side	20175	14.10	14.50	1.096	0.015	0.016
	LTE Band 4/1RB#0 20M	Top Side	20175	14.10	14.50	1.096	0.064	0.070

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 4/50RB#0 20M	Front Side	20175	13.08	13.50	1.102	0.049	0.054
	LTE Band 4/50RB#0 20M	Back Side	20175	13.08	13.50	1.102	0.043	0.047
	LTE Band 4/50RB#0 20M	Left Side	20175	13.08	13.50	1.102	0.047	0.052
	LTE Band 4/50RB#0 20M	Right Side	20175	13.08	13.50	1.102	0.012	0.013
	LTE Band 4/50RB#0 20M	Top Side	20175	13.08	13.50	1.102	0.048	0.053
Bottom Ant.								
41#	LTE Band 4/1RB#0 20M	Front Side	20175	22.56	23.00	1.107	0.255	**0.282**
	LTE Band 4/1RB#0 20M	Back Side	20175	22.56	23.00	1.107	0.157	0.174
	LTE Band 4/1RB#0 20M	Left Side	20175	22.56	23.00	1.107	0.135	0.149
	LTE Band 4/1RB#0 20M	Right Side	20175	22.56	23.00	1.107	0.049	0.054
	LTE Band 4/1RB#0 20M	Bottom Side	20175	22.56	23.00	1.107	0.179	0.198
	LTE Band 4/50RB#0 20M	Front Side	20175	21.64	22.00	1.086	0.181	0.197
	LTE Band 4/50RB#0 20M	Back Side	20175	21.64	22.00	1.086	0.149	0.162
	LTE Band 4/50RB#0 20M	Left Side	20175	21.64	22.00	1.086	0.129	0.140
	LTE Band 4/50RB#0 20M	Right Side	20175	21.64	22.00	1.086	0.040	0.043
	LTE Band 4/50RB#0 20M	Bottom Side	20175	21.64	22.00	1.086	0.153	0.166
Top Ant.								
	LTE Band 5/1RB#0 10M	Front Side	20525	16.99	17.50	1.125	0.097	0.110
	LTE Band 5/1RB#0 10M	Back Side	20525	16.99	17.50	1.125	0.081	0.092
	LTE Band 5/1RB#0 10M	Left Side	20525	16.99	17.50	1.125	0.043	0.048
	LTE Band 5/1RB#0 10M	Right Side	20525	16.99	17.50	1.125	0.014	0.016
	LTE Band 5/1RB#0 10M	Top Side	20525	16.99	17.50	1.125	0.096	0.108
	LTE Band 5/25RB#0 10M	Front Side	20525	16.65	17.00	1.084	0.084	0.091
	LTE Band 5/25RB#0 10M	Back Side	20525	16.65	17.00	1.084	0.068	0.073
	LTE Band 5/25RB#0 10M	Left Side	20525	16.65	17.00	1.084	0.035	0.038
	LTE Band 5/25RB#0 10M	Right Side	20525	16.65	17.00	1.084	0.011	0.012
	LTE Band 5/25RB#0 10M	Top Side	20525	16.65	17.00	1.084	0.081	0.088

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
Bottom Ant.								
	LTE Band 5/1RB#0 10M	Front Side	20525	23.22	24.00	1.197	0.325	0.389
42#	LTE Band 5/1RB#0 10M	Back Side	20525	23.22	24.00	1.197	0.333	**0.399**
	LTE Band 5/1RB#0 10M	Left Side	20525	23.22	24.00	1.197	0.232	0.278
	LTE Band 5/1RB#0 10M	Right Side	20525	23.22	24.00	1.197	0.045	0.054
43#	LTE Band 5/1RB#0 10M	Bottom Side	20525	23.22	24.00	1.197	0.339	**0.406**
	LTE Band 5/25RB#0 10M	Front Side	20525	22.32	23.00	1.169	0.238	0.278
	LTE Band 5/25RB#0 10M	Back Side	20525	22.32	23.00	1.169	0.239	0.280
	LTE Band 5/25RB#0 10M	Left Side	20525	22.32	23.00	1.169	0.187	0.219
	LTE Band 5/25RB#0 10M	Right Side	20525	22.32	23.00	1.169	0.035	0.041
	LTE Band 5/25RB#0 10M	Bottom Side	20525	22.32	23.00	1.169	0.276	0.323
Top Ant.								
	LTE Band 7/1RB#0 20M	Front Side	21100	13.64	14.00	1.086	0.118	0.128
	LTE Band 7/1RB#0 20M	Back Side	21100	13.64	14.00	1.086	0.110	0.120
	LTE Band 7/1RB#0 20M	Left Side	21100	13.64	14.00	1.086	0.013	0.014
	LTE Band 7/1RB#0 20M	Right Side	21100	13.64	14.00	1.086	0.016	0.018
	LTE Band 7/1RB#0 20M	Top Side	21100	13.64	14.00	1.086	0.239	0.260
	LTE Band 7/50RB#0 20M	Front Side	21100	12.73	13.00	1.064	0.094	0.100
	LTE Band 7/50RB#0 20M	Back Side	21100	12.73	13.00	1.064	0.086	0.092
	LTE Band 7/50RB#0 20M	Left Side	21100	12.73	13.00	1.064	0.011	0.012
	LTE Band 7/50RB#0 20M	Right Side	21100	12.73	13.00	1.064	0.014	0.015
	LTE Band 7/50RB#0 20M	Top Side	21100	12.73	13.00	1.064	0.188	0.200
Bottom Ant.								
44#	LTE Band 7/1RB#0 20M	Front Side	21100	22.37	23.00	1.156	0.421	**0.487**
	LTE Band 7/1RB#0 20M	Back Side	21100	22.37	23.00	1.156	0.389	0.450
	LTE Band 7/1RB#0 20M	Left Side	21100	22.37	23.00	1.156	0.205	0.237
	LTE Band 7/1RB#0 20M	Right Side	21100	22.37	23.00	1.156	0.058	0.067
	LTE Band 7/1RB#0 20M	Bottom Side	21100	22.37	23.00	1.156	0.828	0.957
	LTE Band 7/1RB#0 20M	Bottom Side	20850	22.36	23.00	1.159	0.717	0.831
45#	LTE Band 7/1RB#0 20M	Bottom Side	21350	22.29	23.00	1.178	0.861	**1.014**
	LTE Band 7/**100RB#0** 20M	Bottom Side	21100	21.38	22.00	1.153	0.535	0.617

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 7/50RB#0 20M	Front Side	21100	21.62	22.00	1.091	0.350	0.382
	LTE Band 7/50RB#0 20M	Back Side	21100	21.62	22.00	1.091	0.312	0.341
	LTE Band 7/50RB#0 20M	Left Side	21100	21.62	22.00	1.091	0.162	0.177
	LTE Band 7/50RB#0 20M	Right Side	21100	21.62	22.00	1.091	0.047	0.051
	LTE Band 7/50RB#0 20M	Bottom Side	21100	21.62	22.00	1.091	0.588	0.642
Top Ant.								
46#	LTE Band 12/1RB#0 10M	Front Side	23095	17.86	18.50	1.159	0.107	**0.124**
	LTE Band 12/1RB#0 10M	Back Side	23095	17.86	18.50	1.159	0.085	0.099
	LTE Band 12/1RB#0 10M	Left Side	23095	17.86	18.50	1.159	0.057	0.066
	LTE Band 12/1RB#0 10M	Right Side	23095	17.86	18.50	1.159	0.019	0.022
	LTE Band 12/1RB#0 10M	Top Side	23095	17.86	18.50	1.159	0.102	0.118
	LTE Band 12/25RB#0 10M	Front Side	23095	17.05	17.50	1.109	0.093	0.103
	LTE Band 12/25RB#0 10M	Back Side	23095	17.05	17.50	1.109	0.070	0.077
	LTE Band 12/25RB#0 10M	Left Side	23095	17.05	17.50	1.109	0.047	0.052
	LTE Band 12/25RB#0 10M	Right Side	23095	17.05	17.50	1.109	0.016	0.018
	LTE Band 12/25RB#0 10M	Top Side	23095	17.05	17.50	1.109	0.093	0.103
Bottom Ant.								
	LTE Band 12/1RB#0 10M	Front Side	23095	23.42	24.00	1.143	0.061	0.069
	LTE Band 12/1RB#0 10M	Back Side	23095	23.42	24.00	1.143	0.069	0.079
	LTE Band 12/1RB#0 10M	Left Side	23095	23.42	24.00	1.143	0.043	0.050
	LTE Band 12/1RB#0 10M	Right Side	23095	23.42	24.00	1.143	0.019	0.021
	LTE Band 12/1RB#0 10M	Bottom Side	23095	23.42	24.00	1.143	0.070	0.080
	LTE Band 12/25RB#0 10M	Front Side	23095	22.61	23.00	1.094	0.049	0.054
	LTE Band 12/25RB#0 10M	Back Side	23095	22.61	23.00	1.094	0.059	0.064
	LTE Band 12/25RB#0 10M	Left Side	23095	22.61	23.00	1.094	0.037	0.041
	LTE Band 12/25RB#0 10M	Right Side	23095	22.61	23.00	1.094	0.017	0.018
	LTE Band 12/25RB#0 10M	Bottom Side	23095	22.61	23.00	1.094	0.063	0.069
Top Ant.								
	LTE Band 18/1RB#0 15M	Front Side	23925	17.73	18.50	1.194	0.107	0.128
	LTE Band 18/1RB#0 15M	Back Side	23925	17.73	18.50	1.194	0.092	0.110
	LTE Band 18/1RB#0 15M	Left Side	23925	17.73	18.50	1.194	0.048	0.057
	LTE Band 18/1RB#0 15M	Right Side	23925	17.73	18.50	1.194	0.015	0.017
	LTE Band 18/1RB#0 15M	Top Side	23925	17.73	18.50	1.194	0.105	0.125

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 18/36RB#0 15M	Front Side	23925	16.74	17.50	1.191	0.092	0.110
	LTE Band 18/36RB#0 15M	Back Side	23925	16.74	17.50	1.191	0.090	0.107
	LTE Band 18/36RB#0 15M	Left Side	23925	16.74	17.50	1.191	0.040	0.048
	LTE Band 18/36RB#0 15M	Right Side	23925	16.74	17.50	1.191	0.012	0.014
	LTE Band 18/36RB#0 15M	Top Side	23925	16.74	17.50	1.191	0.091	0.108
Bottom Ant.								
	LTE Band 18/1RB#0 15M	Front Side	23925	23.34	24.00	1.164	0.225	0.262
47#	LTE Band 18/1RB#0 15M	Back Side	23925	23.34	24.00	1.164	0.242	**0.282**
	LTE Band 18/1RB#0 15M	Left Side	23925	23.34	24.00	1.164	0.121	0.141
	LTE Band 18/1RB#0 15M	Right Side	23925	23.34	24.00	1.164	0.046	0.054
48#	LTE Band 18/1RB#0 15M	Bottom Side	23925	23.34	24.00	1.164	0.263	**0.306**
	LTE Band 18/36RB#0 15M	Front Side	23925	22.51	23.00	1.119	0.194	0.217
	LTE Band 18/36RB#0 15M	Back Side	23925	22.51	23.00	1.119	0.203	0.227
	LTE Band 18/36RB#0 15M	Left Side	23925	22.51	23.00	1.119	0.112	0.125
	LTE Band 18/36RB#0 15M	Right Side	23925	22.51	23.00	1.119	0.040	0.045
	LTE Band 18/36RB#0 15M	Bottom Side	23925	22.51	23.00	1.119	0.226	0.253
Top Ant.								
	LTE Band 19/1RB#0 15M	Front Side	24075	17.59	18.50	1.233	0.123	0.152
	LTE Band 19/1RB#0 15M	Back Side	24075	17.59	18.50	1.233	0.118	0.146
	LTE Band 19/1RB#0 15M	Left Side	24075	17.59	18.50	1.233	0.055	0.068
	LTE Band 19/1RB#0 15M	Right Side	24075	17.59	18.50	1.233	0.015	0.019
	LTE Band 19/1RB#0 15M	Top Side	24075	17.59	18.50	1.233	0.117	0.144
	LTE Band 19/36RB#0 15M	Front Side	24075	16.81	17.50	1.172	0.102	0.120
	LTE Band 19/36RB#0 15M	Back Side	24075	16.81	17.50	1.172	0.099	0.116
	LTE Band 19/36RB#0 15M	Left Side	24075	16.81	17.50	1.172	0.044	0.052
	LTE Band 19/36RB#0 15M	Right Side	24075	16.81	17.50	1.172	0.012	0.014
	LTE Band 19/36RB#0 15M	Top Side	24075	16.81	17.50	1.172	0.095	0.111
Bottom Ant.								
	LTE Band 19/1RB#0 15M	Front Side	24075	23.32	24.00	1.169	0.278	0.325
49#	LTE Band 19/1RB#0 15M	Back Side	24075	23.32	24.00	1.169	0.303	**0.354**
	LTE Band 19/1RB#0 15M	Left Side	24075	23.32	24.00	1.169	0.179	0.209
	LTE Band 19/1RB#0 15M	Right Side	24075	23.32	24.00	1.169	0.045	0.052
50#	LTE Band 19/1RB#0 15M	Bottom Side	24075	23.32	24.00	1.169	0.324	**0.379**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 19/36RB#0 15M	Front Side	24075	22.31	23.00	1.172	0.230	0.270
	LTE Band 19/36RB#0 15M	Back Side	24075	22.31	23.00	1.172	0.249	0.292
	LTE Band 19/36RB#0 15M	Left Side	24075	22.31	23.00	1.172	0.154	0.181
	LTE Band 19/36RB#0 15M	Right Side	24075	22.31	23.00	1.172	0.035	0.040
	LTE Band 19/36RB#0 15M	Bottom Side	24075	22.31	23.00	1.172	0.271	0.318
Top Ant.								
	LTE Band 26/1RB#0 15M	Front Side	26865	17.73	18.50	1.194	0.113	0.135
	LTE Band 26/1RB#0 15M	Back Side	26865	17.73	18.50	1.194	0.110	0.131
	LTE Band 26/1RB#0 15M	Left Side	26865	17.73	18.50	1.194	0.051	0.060
	LTE Band 26/1RB#0 15M	Right Side	26865	17.73	18.50	1.194	0.014	0.017
	LTE Band 26/1RB#0 15M	Top Side	26865	17.73	18.50	1.194	0.106	0.127
	LTE Band 26/36RB#0 15M	Front Side	26865	16.98	17.50	1.127	0.093	0.104
	LTE Band 26/36RB#0 15M	Back Side	26865	16.98	17.50	1.127	0.092	0.104
	LTE Band 26/36RB#0 15M	Left Side	26865	16.98	17.50	1.127	0.044	0.050
	LTE Band 26/36RB#0 15M	Right Side	26865	16.98	17.50	1.127	0.010	0.011
	LTE Band 26/36RB#0 15M	Top Side	26865	16.98	17.50	1.127	0.088	0.099
Bottom Ant.								
	LTE Band 26/1RB#0 15M	Front Side	26865	23.15	23.50	1.084	0.259	0.281
51#	LTE Band 26/1RB#0 15M	Back Side	26865	23.15	23.50	1.084	0.284	**0.308**
	LTE Band 26/1RB#0 15M	Left Side	26865	23.15	23.50	1.084	0.158	0.171
	LTE Band 26/1RB#0 15M	Right Side	26865	23.15	23.50	1.084	0.046	0.050
52#	LTE Band 26/1RB#0 15M	Bottom Side	26865	23.15	23.50	1.084	0.309	**0.335**
	LTE Band 26/36RB#0 15M	Front Side	26865	22.24	22.50	1.062	0.203	0.216
	LTE Band 26/36RB#0 15M	Back Side	26865	22.24	22.50	1.062	0.239	0.254
	LTE Band 26/36RB#0 15M	Left Side	26865	22.24	22.50	1.062	0.139	0.148
	LTE Band 26/36RB#0 15M	Right Side	26865	22.24	22.50	1.062	0.037	0.039
	LTE Band 26/36RB#0 15M	Bottom Side	26865	22.24	22.50	1.062	0.263	0.279
Top Ant.								
	LTE Band 38/1RB#0 20M	Front Side	38000	15.58	16.00	1.102	0.070	0.077
	LTE Band 38/1RB#0 20M	Back Side	38000	15.58	16.00	1.102	0.068	0.075
	LTE Band 38/1RB#0 20M	Left Side	38000	15.58	16.00	1.102	0.015	0.017
	LTE Band 38/1RB#0 20M	Right Side	38000	15.58	16.00	1.102	0.012	0.014
	LTE Band 38/1RB#0 20M	Top Side	38000	15.58	16.00	1.102	0.126	0.139

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 38/50RB#0 20M	Front Side	38000	14.75	15.00	1.059	0.058	0.062
	LTE Band 38/50RB#0 20M	Back Side	38000	14.75	15.00	1.059	0.057	0.060
	LTE Band 38/50RB#0 20M	Left Side	38000	14.75	15.00	1.059	0.012	0.013
	LTE Band 38/50RB#0 20M	Right Side	38000	14.75	15.00	1.059	0.010	0.011
	LTE Band 38/50RB#0 20M	Top Side	38000	14.75	15.00	1.059	0.100	0.106
Bottom Ant.								
53#	LTE Band 38/1RB#0 20M	Front Side	38000	22.77	23.50	1.183	0.186	**0.220**
	LTE Band 38/1RB#0 20M	Back Side	38000	22.77	23.50	1.183	0.169	0.200
	LTE Band 38/1RB#0 20M	Left Side	38000	22.77	23.50	1.183	0.091	0.108
	LTE Band 38/1RB#0 20M	Right Side	38000	22.77	23.50	1.183	0.041	0.049
54#	LTE Band 38/1RB#0 20M	Bottom Side	38000	22.77	23.50	1.183	0.376	**0.446**
	LTE Band 38/50RB#0 20M	Front Side	38000	21.54	22.50	1.247	0.155	0.194
	LTE Band 38/50RB#0 20M	Back Side	38000	21.54	22.50	1.247	0.141	0.176
	LTE Band 38/50RB#0 20M	Left Side	38000	21.54	22.50	1.247	0.074	0.092
	LTE Band 38/50RB#0 20M	Right Side	38000	21.54	22.50	1.247	0.035	0.044
	LTE Band 38/50RB#0 20M	Bottom Side	38000	21.54	22.50	1.247	0.269	0.336
Top Ant.								
	LTE Band 40A/1RB#0 10M	Front Side	38750	15.62	16.00	1.091	0.058	0.063
	LTE Band 40A/1RB#0 10M	Back Side	38750	15.62	16.00	1.091	0.054	0.059
	LTE Band 40A/1RB#0 10M	Left Side	38750	15.62	16.00	1.091	0.015	0.016
	LTE Band 40A/1RB#0 10M	Right Side	38750	15.62	16.00	1.091	0.010	0.011
	LTE Band 40A/1RB#0 10M	Top Side	38750	15.62	16.00	1.091	0.107	0.117
	LTE Band 40A/25RB#0 10M	Front Side	38750	14.78	15.00	1.052	0.047	0.049
	LTE Band 40A/25RB#0 10M	Back Side	38750	14.78	15.00	1.052	0.042	0.044
	LTE Band 40A/25RB#0 10M	Left Side	38750	14.78	15.00	1.052	0.010	0.011
	LTE Band 40A/25RB#0 10M	Right Side	38750	14.78	15.00	1.052	0.006	0.006
	LTE Band 40A/25RB#0 10M	Top Side	38750	14.78	15.00	1.052	0.086	0.091
Bottom Ant.								
55#	LTE Band 40A/1RB#0 10M	Front Side	38750	22.79	23.50	1.178	0.223	**0.263**
	LTE Band 40A/1RB#0 10M	Back Side	38750	22.79	23.50	1.178	0.220	0.260
	LTE Band 40A/1RB#0 10M	Left Side	38750	22.79	23.50	1.178	0.078	0.092
	LTE Band 40A/1RB#0 10M	Right Side	38750	22.79	23.50	1.178	0.088	0.104
56#	LTE Band 40A/1RB#0 10M	Bottom Side	38750	22.79	23.50	1.178	0.323	**0.381**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 40A/25RB#0 10M	Front Side	38750	21.91	22.50	1.146	0.179	0.205
	LTE Band 40A/25RB#0 10M	Back Side	38750	21.91	22.50	1.146	0.166	0.191
	LTE Band 40A/25RB#0 10M	Left Side	38750	21.91	22.50	1.146	0.056	0.064
	LTE Band 40A/25RB#0 10M	Right Side	38750	21.91	22.50	1.146	0.069	0.079
	LTE Band 40A/25RB#0 10M	Bottom Side	38750	21.91	22.50	1.146	0.281	0.323
Top Ant.								
	LTE Band 40B/1RB#0 10M	Front Side	39200	15.58	16.00	1.102	0.063	0.070
	LTE Band 40B/1RB#0 10M	Back Side	39200	15.58	16.00	1.102	0.059	0.065
	LTE Band 40B/1RB#0 10M	Left Side	39200	15.58	16.00	1.102	0.012	0.013
	LTE Band 40B/1RB#0 10M	Right Side	39200	15.58	16.00	1.102	0.010	0.011
	LTE Band 40B/1RB#0 10M	Top Side	39200	15.58	16.00	1.102	0.126	0.139
	LTE Band 40B/25RB#0 10M	Front Side	39200	14.77	15.00	1.054	0.050	0.053
	LTE Band 40B/25RB#0 10M	Back Side	39200	14.77	15.00	1.054	0.048	0.051
	LTE Band 40B/25RB#0 10M	Left Side	39200	14.77	15.00	1.054	0.008	0.008
	LTE Band 40B/25RB#0 10M	Right Side	39200	14.77	15.00	1.054	0.004	0.004
	LTE Band 40B/25RB#0 10M	Top Side	39200	14.77	15.00	1.054	0.100	0.106
Bottom Ant.								
57#	LTE Band 40B/1RB#0 10M	Front Side	39200	22.75	23.50	1.189	0.212	**0.252**
	LTE Band 40B/1RB#0 10M	Back Side	39200	22.75	23.50	1.189	0.203	0.242
	LTE Band 40B/1RB#0 10M	Left Side	39200	22.75	23.50	1.189	0.072	0.086
	LTE Band 40B/1RB#0 10M	Right Side	39200	22.75	23.50	1.189	0.061	0.073
58#	LTE Band 40B/1RB#0 10M	Bottom Side	39200	22.75	23.50	1.189	0.423	**0.504**
	LTE Band 40B/25RB#0 10M	Front Side	39200	21.88	22.50	1.153	0.218	0.252
	LTE Band 40B/25RB#0 10M	Back Side	39200	21.88	22.50	1.153	0.186	0.215
	LTE Band 40B/25RB#0 10M	Left Side	39200	21.88	22.50	1.153	0.056	0.065
	LTE Band 40B/25RB#0 10M	Right Side	39200	21.88	22.50	1.153	0.048	0.055
	LTE Band 40B/25RB#0 10M	Bottom Side	39200	21.88	22.50	1.153	0.332	0.384
Top Ant.								
	LTE Band 66/1RB#0 20M	Front Side	132322	14.48	15.00	1.127	0.083	0.094
	LTE Band 66/1RB#0 20M	Back Side	132322	14.48	15.00	1.127	0.080	0.090
	LTE Band 66/1RB#0 20M	Left Side	132322	14.48	15.00	1.127	0.059	0.067
	LTE Band 66/1RB#0 20M	Right Side	132322	14.48	15.00	1.127	0.013	0.015
	LTE Band 66/1RB#0 20M	Top Side	132322	14.48	15.00	1.127	0.057	0.064

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
	LTE Band 66/50RB#0 20M	Front Side	132322	13.61	14.00	1.094	0.068	0.074
	LTE Band 66/50RB#0 20M	Back Side	132322	13.61	14.00	1.094	0.063	0.069
	LTE Band 66/50RB#0 20M	Left Side	132322	13.61	14.00	1.094	0.046	0.050
	LTE Band 66/50RB#0 20M	Right Side	132322	13.61	14.00	1.094	0.011	0.012
	LTE Band 66/50RB#0 20M	Top Side	132322	13.61	14.00	1.094	0.047	0.051
Bottom Ant.								
59#	LTE Band 66/1RB#0 20M	Front Side	132322	23.12	23.50	1.091	0.290	**0.317**
	LTE Band 66/1RB#0 20M	Back Side	132322	23.12	23.50	1.091	0.272	0.297
	LTE Band 66/1RB#0 20M	Left Side	132322	23.12	23.50	1.091	0.255	0.278
	LTE Band 66/1RB#0 20M	Right Side	132322	23.12	23.50	1.091	0.042	0.046
	LTE Band 66/1RB#0 20M	Bottom Side	132322	23.12	23.50	1.091	0.257	0.281
	LTE Band 66/50RB#0 20M	Front Side	132322	22.24	22.50	1.062	0.237	0.252
	LTE Band 66/50RB#0 20M	Back Side	132322	22.24	22.50	1.062	0.221	0.235
	LTE Band 66/50RB#0 20M	Left Side	132322	22.24	22.50	1.062	0.215	0.228
	LTE Band 66/50RB#0 20M	Right Side	132322	22.24	22.50	1.062	0.030	0.032
	LTE Band 66/50RB#0 20M	Bottom Side	132322	22.24	22.50	1.062	0.216	0.229

➢ 5G NR DFT-s-QPSK Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
TX 1								
	NR N41/1RB#1 100M	Front Side	518598	23.43	24.00	1.140	0.049	0.056
60#	NR N41/1RB#1 100M	Back Side	518598	23.43	24.00	1.140	0.059	**0.067**
	NR N41/1RB#1 100M	Right Side	518598	23.43	24.00	1.140	0.111	0.127
	NR N41/1RB#1 100M	Top Side	518598	23.43	24.00	1.140	0.014	0.016
	NR N41/135RB#1 100M	Front Side	518598	23.32	24.00	1.169	0.055	0.064
	NR N41/135RB#1 100M	Back Side	518598	23.32	24.00	1.169	0.050	0.058
61#	NR N41/135RB#1 100M	Right Side	518598	23.32	24.00	1.169	0.132	**0.154**
	NR N41/135RB#1 100M	Top Side	518598	23.32	24.00	1.169	0.004	0.005

➢ WLAN Body SAR

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH 0								
	WLAN2.4GHz/802.11b	Front Side	6	12.35	12.50	1.035	0.119	0.123
	WLAN2.4GHz/802.11b	Back Side	6	12.35	12.50	1.035	0.103	0.107
	WLAN2.4GHz/802.11b	Right Side	6	12.35	12.50	1.035	0.108	0.112
	WLAN2.4GHz/802.11b	Top Side	6	12.35	12.50	1.035	0.026	0.027
CH 1								
62#	WLAN2.4GHz/802.11b	Front Side	6	16.91	17.50	1.146	0.106	**0.121**
	WLAN2.4GHz/802.11b	Back Side	6	16.91	17.50	1.146	0.096	0.110
63#	WLAN2.4GHz/802.11b	Right Side	6	16.91	17.50	1.146	0.110	**0.126**
CH 0								
	WLAN5.2GHz/802.11a	Front Side	48	12.96	13.50	1.132	0.037	0.042
64#	WLAN5.2GHz/802.11a	Back Side	48	12.96	13.50	1.132	0.436	**0.494**
CH 1								
	WLAN5.2GHz/802.11a	Front Side	44	12.96	13.50	1.132	0.101	0.114
	WLAN5.2GHz/802.11a	Back Side	44	12.96	13.50	1.132	0.222	0.251
CH 0								
	WLAN5.3GHz/802.11a	Front Side	64	10.37	11.00	1.156	0.071	0.082
65#	WLAN5.3GHz/802.11a	Back Side	64	10.37	11.00	1.156	0.425	**0.491**
CH 1								
	WLAN5.3GHz/802.11a	Front Side	60	14.20	14.50	1.072	0.074	0.079
	WLAN5.3GHz/802.11a	Back Side	60	14.20	14.50	1.072	0.197	0.211
CH 0								
	WLAN5.5GHz/802.11a	Front Side	100	10.37	10.50	1.030	0.052	0.054
66#	WLAN5.5GHz/802.11a	Back Side	100	10.37	10.50	1.030	1.010	**1.041**
	WLAN5.5GHz/802.11a	Back Side	120	10.28	10.50	1.052	0.968	1.018
	WLAN5.5GHz/802.11a	Back Side	144	10.28	10.50	1.052	0.977	1.028
CH 1								
	WLAN5.5GHz/802.11a	Front Side	100	15.30	15.50	1.047	0.053	0.056
	WLAN5.5GHz/802.11a	Back Side	100	15.30	15.50	1.047	0.163	0.171
CH 0								
	WLAN5.8GHz/802.11a	Front Side	165	10.16	10.50	1.081	0.089	0.096
67#	WLAN5.8GHz/802.11a	Back Side	165	10.16	10.50	1.081	0.363	**0.393**
CH 1								
	WLAN5.8GHz/802.11a	Front Side	157	12.38	13.00	1.153	0.078	0.090
	WLAN5.8GHz/802.11a	Back Side	157	12.38	13.00	1.153	0.212	0.245

➢ WLAN Body SAR for MIMO Simultaneous Transmission

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH 0								
	WLAN2.4GHz/802.11b	Front Side	6	11.87	12.50	1.156	0.044	0.051
	WLAN2.4GHz/802.11b	Back Side	6	11.87	12.50	1.156	0.033	0.038
	WLAN2.4GHz/802.11b	Right Side	6	11.87	12.50	1.156	0.039	0.045
	WLAN2.4GHz/802.11b	Top Side	6	11.87	12.50	1.156	0.009	0.010
CH 1								
68#	WLAN2.4GHz/802.11b	Front Side	6	16.91	17.50	1.146	0.106	**0.121**
	WLAN2.4GHz/802.11b	Back Side	6	16.91	17.50	1.146	0.096	0.110
69#	WLAN2.4GHz/802.11b	Right Side	6	16.91	17.50	1.146	0.110	**0.126**
CH 0								
	WLAN5.2GHz/802.11ax80	Front Side	42	12.88	13.50	1.153	0.029	0.033
70#	WLAN5.2GHz/802.11ax80	Back Side	42	12.88	13.50	1.153	0.199	**0.230**
CH 1								
	WLAN5.2GHz/802.11a	Front Side	44	14.12	14.50	1.091	0.049	0.054
	WLAN5.2GHz/802.11a	Back Side	44	14.12	14.50	1.091	0.108	0.118
CH 0								
	WLAN5.3GHz/802.11ax40	Front Side	62	13.16	13.50	1.081	0.015	0.016
71#	WLAN5.3GHz/802.11ax40	Back Side	62	13.16	13.50	1.081	0.221	**0.239**
CH 1								
	WLAN5.3GHz/802.11a	Front Side	60	14.51	15.00	1.119	0.039	0.044
	WLAN5.3GHz/802.11a	Back Side	60	14.51	15.00	1.119	0.105	0.118
CH 0								
	WLAN5.5GHz/802.11ax40	Front Side	102	13.93	14.50	1.140	0.022	0.025
72#	WLAN5.5GHz/802.11ax40	Back Side	102	13.93	14.50	1.140	0.225	**0.257**
CH 1								
	WLAN5.5GHz/802.11n40	Front Side	102	15.51	16.00	1.119	0.053	0.060
	WLAN5.5GHz/802.11n40	Back Side	102	15.51	16.00	1.119	0.163	0.182
CH 0								
	WLAN5.8GHz/802.11ax80	Front Side	155	13.34	13.50	1.038	0.035	0.036
73#	WLAN5.8GHz/802.11ax80	Back Side	155	13.34	13.50	1.038	0.233	**0.242**
CH 1								
	WLAN5.8GHz/802.11ax40	Front Side	151	12.82	13.50	1.169	0.035	0.040
	WLAN5.8GHz/802.11ax40	Back Side	151	12.82	13.50	1.169	0.095	0.111

➢ **Bluetooth Body SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
CH 0								
74#	Bluetooth/1Mbps	Front Side	39	17.24	18.00	1.191	0.060	**0.093**
	Bluetooth/1Mbps	Back Side	39	17.24	18.00	1.191	0.055	0.085
	Bluetooth/1Mbps	Right Side	39	17.24	18.00	1.191	0.039	0.060
	Bluetooth/1Mbps	Top Side	39	17.24	18.00	1.191	0.009	0.014

Note:

The Bluetooth Reported 1g SAR (W/kg) has been calculated together with the duty cycle scaling factor 1.302.

18.4. Repeated SAR Assessment

In accordance with published RF Exposure KDB procedure 865664 D01 SAR measurement 100 MHz to 6 GHz. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

1. Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg;
2. When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
4. Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

➢ **Repeated SAR**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{1g} (W/kg)	Reported SAR_{1g} (W/kg)
OR	LTE Band 7/1RB#0 20M	Bottom Side	21350	22.29	23.00	1.178	0.861	1.014
	LTE Band 7/1RB#0 20M	Bottom Side	21350	22.29	23.00	1.178	0.857	1.009
OR	WLAN5.5GHz/802.11a	Back Side	100	10.37	10.50	1.030	1.010	1.041
	WLAN5.5GHz/802.11a	Back Side	100	10.37	10.50	1.030	0.999	1.029

18.5. Extremity SAR Assessment

Guidance:

1. According to KDB 648747 D04v01r03 The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB Publication 865664 D01 to address interactive hand use exposure conditions.
2. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.
3. According to the user manual, the EUT diagonal size is greater than 16cm, therefore the 0mm extremity SAR of WLAN 5GHz is required.
4. There are two types of antennas in this device, only the worst condition of body SAR would be tested.
5. Test results as below:

➢ **For Full Power**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{10g} (W/kg)	Reported SAR_{10g} (W/kg)
CH0								
75#	WLAN5.2GHz/802.11a	Back Side	48	12.96	13.50	1.132	1.010	1.144
CH0								
76#	WLAN5.3GHz/802.11a	Back Side	64	10.37	11.00	1.156	0.820	0.948
CH0								
77#	WLAN5.5GHz/802.11a	Back Side	100	10.37	10.50	1.030	1.310	1.350
CH0								
78#	WLAN5.8GHz/802.11a	Back Side	165	10.16	10.50	1.081	1.080	1.168

➢ **For Reduced Power**

Plot No.	Band/Mode	Test Position	CH.	Ave. Power (dBm)	Tune-up Limit (dBm)	Tune-up Scaling Factor	Meas. SAR_{10g} (W/kg)	Reported SAR_{10g} (W/kg)
CH0								
79#	WLAN5.2GHz/802.11ax80	Back Side	42	12.88	13.50	1.153	0.550	0.634
CH0								
80#	WLAN5.3GHz/802.11ax40	Back Side	62	13.16	13.50	1.081	0.428	0.463
CH0								
81#	WLAN5.5GHz/802.11ax40	Back Side	102	13.93	14.50	1.140	0.307	0.350
CH0								
82#	WLAN5.8GHz/802.11ax80	Back Side	155	13.34	13.50	1.038	0.669	0.694

19. Simultaneous Transmission Evaluation

19.1. Simultaneous Transmission Consideration

No.	Simultaneous transmission Condition	Head	Body	Hotspot
1	WWAN (2/3/4G/SA/NSA)+WLAN 2.4GHz (SISO)	Yes	Yes	Yes
2	WWAN (2/3/4G/SA/NSA)+WLAN 5GHz (SISO)	Yes	Yes	No
3	WWAN (2/3/4G/SA/NSA)+WLAN 2.4GHz(MIMO)	Yes	Yes	Yes
4	WWAN (2/3/4G/SA/NSA)+WLAN 5GHz(MIMO)	Yes	Yes	No
5	WWAN (2/3/4G/SA/NSA)+Bluetooth	No	Yes	Yes
6	WLAN 2.4GHz CH1+Bluetooth	No	Yes	Yes
7	WLAN 5GHz CH1+Bluetooth	No	Yes	No
8	WWAN (2/3/4G/SA/NSA)+WLAN 2.4GHz CH1+Bluetooth	No	Yes	Yes
9	WWAN (2/3/4G/SA/NSA)+WLAN 5GHz CH1+Bluetooth	No	Yes	No

Note:

1. When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of the WWAN and WLAN transmitters. The "Portable Hotspot" feature on the handset was NOT activated, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal.
2. The hotspot SAR result may overlap with the body-worn accessory SAR requirements, per KDB 941225 D06, the more conservative configurations can be considered, thus excluding some unnecessary body-worn accessory SAR tests.
3. Simultaneous Transmission SAR evaluation is not required for BT and WLAN, because the software mechanism have been incorporated to guarantee that the WLAN and Bluetooth transmitters would not simultaneously operate.
4. Per KDB 447498D01v06, simultaneous transmission SAR evaluation procedures is as followed:
   Step 1: If sum of 1 g SAR < 1.6 W/kg, Simultaneous SAR measurement is not required.
   Step 2: If sum of 1 g SAR > 1.6 W/kg, ratio of SAR to peak separation distance for pair of transmitters calculated.
   Step 3: If the ratio of SAR to peak separation distance is ≤ 0.04, Simultaneous SAR measurement is not required.
   Step 4: If the ratio of SAR to peak separation distance is > 0.04, Simultaneous SAR measurement is required and simultaneous transmission SAR value is calculated.
   (The ratio is determined by: $(SAR_1 + SAR_2)^{1.5}/R_i \leq 0.04$,
   Ri is the separation distance between the peak SAR locations for the antenna pair in mm.
5. 2.4G&5G MIMO SAR were combined standalone SAR of CH0 and CH1.
6. This device does not support CA UL, therefore the EN-DC combination of 2C-n41 SAR will be combined with 2A UL.

19.2. Simultaneous Transmission Analysis

➢ Head Data for EN-DC Combination

EN-DC Combination	Exposure Position	Standalone 1g SAR (W/kg)		EN-DC Summed 1g SAR (W/kg)
		LTE Carrier	5G NR	
EN-DC_2A_n41	Right Cheek	0.521	0.152	0.673
	Right Tilt	0.415	0.063	0.478
	Left Cheek	0.278	0.406	0.684
	Left Tilt	0.264	0.111	0.375
EN-DC_2C_n41	Right Cheek	0.521	0.152	0.673
	Right Tilt	0.415	0.063	0.478
	Left Cheek	0.278	0.406	0.684
	Left Tilt	0.264	0.111	0.375
EN-DC_66A_n41	Right Cheek	0.615	0.152	0.767
	Right Tilt	0.453	0.063	0.516
	Left Cheek	0.358	0.406	0.764
	Left Tilt	0.341	0.111	0.452

➢ Head Data for WLAN SISO

Exposure Position	1	2	3	4
	2.4GHz WLAN CH 0	2.4GHz WLAN CH 1	5GHz WLAN CH 0	5GHz WLAN CH 1
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Right Cheek	0.224	0.029	0.235	0.278
Right Tilt	0.112	0.005	0.146	0.134
Left Cheek	0.639	0.006	0.251	0.575
Left Tilt	0.391	0.003	0.172	0.489

➢ Head Data for WLAN MIMO

Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	2.4GHz WLAN CH 0	2.4GHz WLAN CH 1	5GHz WLAN CH 0	5GHz WLAN CH 1		
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
Right Cheek	0.077	0.029	0.192	0.140	0.106	0.332
Right Tilt	0.051	0.005	0.162	0.109	0.056	0.271
Left Cheek	0.266	0.006	0.331	0.358	0.272	0.689
Left Tilt	0.194	0.003	0.279	0.143	0.197	0.422

➢ Head Simultaneous Transmission for WWAN(2/3/4G/SA)+WLAN(SISO)

WWAN Band		Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN	5GHz WLAN		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Right Cheek	0.671	0.224	0.278	0.895	0.949
		Right Tilt	0.464	0.112	0.146	0.576	0.610
		Left Cheek	0.377	0.639	0.575	1.016	0.952
		Left Tilt	0.316	0.391	0.489	0.707	0.805
	GSM1900	Right Cheek	0.757	0.224	0.278	0.981	1.035
		Right Tilt	0.587	0.112	0.146	0.699	0.733
		Left Cheek	0.405	0.639	0.575	1.044	0.980
		Left Tilt	0.373	0.391	0.489	0.764	0.862
WCDMA	WCDMA Band II	Right Cheek	0.812	0.224	0.278	1.036	1.090
		Right Tilt	0.608	0.112	0.146	0.720	0.754
		Left Cheek	0.407	0.639	0.575	1.046	0.982
		Left Tilt	0.362	0.391	0.489	0.753	0.851
	WCDMA Band IV	Right Cheek	0.780	0.224	0.278	1.004	1.058
		Right Tilt	0.577	0.112	0.146	0.689	0.723
		Left Cheek	0.410	0.639	0.575	1.049	0.985
		Left Tilt	0.430	0.391	0.489	0.821	0.919
	WCDMA Band V	Right Cheek	0.713	0.224	0.278	0.937	0.991
		Right Tilt	0.671	0.112	0.146	0.783	0.817
		Left Cheek	0.445	0.639	0.575	1.084	1.020
		Left Tilt	0.422	0.391	0.489	0.813	0.911
CDMA	CDMA2000 BC0	Right Cheek	0.772	0.224	0.278	0.996	1.050
		Right Tilt	0.669	0.112	0.146	0.781	0.815
		Left Cheek	0.512	0.639	0.575	1.151	1.087
		Left Tilt	0.416	0.391	0.489	0.807	0.905
	CDMA2000 BC1	Right Cheek	0.752	0.224	0.278	0.976	1.030
		Right Tilt	0.591	0.112	0.146	0.703	0.737
		Left Cheek	0.403	0.639	0.575	1.042	0.978
		Left Tilt	0.408	0.391	0.489	0.799	0.897
LTE	LTE Band 2	Right Cheek	0.521	0.224	0.278	0.745	0.799
		Right Tilt	0.415	0.112	0.146	0.527	0.561
		Left Cheek	0.278	0.639	0.575	0.917	0.853
		Left Tilt	0.264	0.391	0.489	0.655	0.753
	LTE Band 4	Right Cheek	0.542	0.224	0.278	0.766	0.820
		Right Tilt	0.361	0.112	0.146	0.473	0.507
		Left Cheek	0.318	0.639	0.575	0.957	0.893
		Left Tilt	0.299	0.391	0.489	0.690	0.788

	LTE Band 5	Right Cheek	0.441	0.224	0.278	0.665	0.719
		Right Tilt	0.386	0.112	0.146	0.498	0.532
		Left Cheek	0.312	0.639	0.575	0.951	0.887
		Left Tilt	0.264	0.391	0.489	0.655	0.753
	LTE Band 7	Right Cheek	0.503	0.224	0.278	0.727	0.781
		Right Tilt	0.485	0.112	0.146	0.597	0.631
		Left Cheek	0.491	0.639	0.575	1.130	1.066
		Left Tilt	0.455	0.391	0.489	0.846	0.944
	LTE Band 12	Right Cheek	0.541	0.224	0.278	0.765	0.819
		Right Tilt	0.407	0.112	0.146	0.519	0.553
		Left Cheek	0.306	0.639	0.575	0.945	0.881
		Left Tilt	0.285	0.391	0.489	0.676	0.774
	LTE Band 18	Right Cheek	0.584	0.224	0.278	0.808	0.862
		Right Tilt	0.462	0.112	0.146	0.574	0.608
		Left Cheek	0.368	0.639	0.575	1.007	0.943
		Left Tilt	0.328	0.391	0.489	0.719	0.817
	LTE Band 19	Right Cheek	0.644	0.224	0.278	0.868	0.922
		Right Tilt	0.530	0.112	0.146	0.642	0.676
		Left Cheek	0.414	0.639	0.575	1.053	0.989
		Left Tilt	0.371	0.391	0.489	0.762	0.860
	LTE Band 26	Right Cheek	0.571	0.224	0.278	0.795	0.849
		Right Tilt	0.480	0.112	0.146	0.592	0.626
		Left Cheek	0.387	0.639	0.575	1.026	0.962
		Left Tilt	0.310	0.391	0.489	0.701	0.799
	LTE Band 38	Right Cheek	0.266	0.224	0.278	0.490	0.544
		Right Tilt	0.263	0.112	0.146	0.375	0.409
		Left Cheek	0.238	0.639	0.575	0.877	0.813
		Left Tilt	0.226	0.391	0.489	0.617	0.715
	LTE Band 40	Right Cheek	0.327	0.224	0.278	0.551	0.605
		Right Tilt	0.306	0.112	0.146	0.418	0.452
		Left Cheek	0.278	0.639	0.575	0.917	0.853
		Left Tilt	0.267	0.391	0.489	0.658	0.756
	LTE Band 66	Right Cheek	0.615	0.224	0.278	0.839	0.893
		Right Tilt	0.453	0.112	0.146	0.565	0.599
		Left Cheek	0.358	0.639	0.575	0.997	0.933
		Left Tilt	0.341	0.391	0.489	0.732	0.830
5G NR	NR Band n41	Right Cheek	0.152	0.224	0.278	0.376	0.430
		Right Tilt	0.063	0.112	0.146	0.175	0.209
		Left Cheek	0.406	0.639	0.575	1.045	0.981
		Left Tilt	0.111	0.391	0.489	0.502	0.600

➢ Head Simultaneous Transmission for WWAN(EN-DC)+WLAN(SISO)

EN-DC Combination	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A_n41	Right Cheek	0.673	0.224	0.278	0.897	1.175
	Right Tilt	0.478	0.112	0.146	0.59	0.736
	Left Cheek	0.684	0.639	0.575	1.323	1.898
	Left Tilt	0.375	0.391	0.489	0.766	1.255
2C_n41	Right Cheek	0.673	0.224	0.278	0.897	1.175
	Right Tilt	0.478	0.112	0.146	0.59	0.736
	Left Cheek	0.684	0.639	0.575	1.323	1.898
	Left Tilt	0.375	0.391	0.489	0.766	1.255
66A_n41	Right Cheek	0.767	0.224	0.278	0.991	1.269
	Right Tilt	0.516	0.112	0.146	0.628	0.774
	Left Cheek	0.764	0.639	0.575	1.403	1.978
	Left Tilt	0.452	0.391	0.489	0.843	1.332

➢ Head Simultaneous Transmission for WWAN(2/3/4G/SA)+WLAN MIMO

WWAN Band		Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN	5GHz WLAN		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Right Cheek	0.671	0.106	0.332	0.777	1.003
		Right Tilt	0.464	0.056	0.271	0.520	0.735
		Left Cheek	0.377	0.272	0.689	0.649	1.066
		Left Tilt	0.316	0.197	0.422	0.513	0.738
	GSM1900	Right Cheek	0.757	0.106	0.332	0.863	1.089
		Right Tilt	0.587	0.056	0.271	0.643	0.858
		Left Cheek	0.405	0.272	0.689	0.677	1.094
		Left Tilt	0.373	0.197	0.422	0.570	0.795
WCDMA	WCDMA Band II	Right Cheek	0.812	0.106	0.332	0.918	1.144
		Right Tilt	0.608	0.056	0.271	0.664	0.879
		Left Cheek	0.407	0.272	0.689	0.679	1.096
		Left Tilt	0.362	0.197	0.422	0.559	0.784
	WCDMA Band IV	Right Cheek	0.780	0.106	0.332	0.886	1.112
		Right Tilt	0.577	0.056	0.271	0.633	0.848
		Left Cheek	0.410	0.272	0.689	0.682	1.099

		Left Cheek	0.410	0.272	0.689	0.682	1.099
		Left Tilt	0.430	0.197	0.422	0.627	0.852
	WCDMA Band V	Right Cheek	0.713	0.106	0.332	0.819	1.045
		Right Tilt	0.671	0.056	0.271	0.727	0.942
		Left Cheek	0.445	0.272	0.689	0.717	1.134
		Left Tilt	0.422	0.197	0.422	0.619	0.844
CDMA	CDMA2000 BC0	Right Cheek	0.772	0.106	0.332	0.878	1.104
		Right Tilt	0.669	0.056	0.271	0.725	0.940
		Left Cheek	0.512	0.272	0.689	0.784	1.201
		Left Tilt	0.416	0.197	0.422	0.613	0.838
	CDMA2000 BC1	Right Cheek	0.752	0.106	0.332	0.858	1.084
		Right Tilt	0.591	0.056	0.271	0.647	0.862
		Left Cheek	0.403	0.272	0.689	0.675	1.092
		Left Tilt	0.408	0.197	0.422	0.605	0.830
LTE	LTE Band 2	Right Cheek	0.521	0.106	0.332	0.627	0.853
		Right Tilt	0.415	0.056	0.271	0.471	0.686
		Left Cheek	0.278	0.272	0.689	0.550	0.967
		Left Tilt	0.264	0.197	0.422	0.461	0.686
	LTE Band 4	Right Cheek	0.542	0.106	0.332	0.648	0.874
		Right Tilt	0.361	0.056	0.271	0.417	0.632
		Left Cheek	0.318	0.272	0.689	0.590	1.007
		Left Tilt	0.299	0.197	0.422	0.496	0.721
	LTE Band 5	Right Cheek	0.441	0.106	0.332	0.547	0.773
		Right Tilt	0.386	0.056	0.271	0.442	0.657
		Left Cheek	0.312	0.272	0.689	0.584	1.001
		Left Tilt	0.264	0.197	0.422	0.461	0.686
	LTE Band 7	Right Cheek	0.503	0.106	0.332	0.609	0.835
		Right Tilt	0.485	0.056	0.271	0.541	0.756
		Left Cheek	0.491	0.272	0.689	0.763	1.180
		Left Tilt	0.455	0.197	0.422	0.652	0.877
	LTE Band 12	Right Cheek	0.541	0.106	0.332	0.647	0.873
		Right Tilt	0.407	0.056	0.271	0.463	0.678
		Left Cheek	0.306	0.272	0.689	0.578	0.995
		Left Tilt	0.285	0.197	0.422	0.482	0.707
	LTE Band 18	Right Cheek	0.584	0.106	0.332	0.690	0.916
		Right Tilt	0.462	0.056	0.271	0.518	0.733
		Left Cheek	0.368	0.272	0.689	0.640	1.057
		Left Tilt	0.328	0.197	0.422	0.525	0.750

	LTE Band 19	Right Cheek	0.644	0.106	0.332	0.750	0.976
		Right Tilt	0.530	0.056	0.271	0.586	0.801
		Left Cheek	0.414	0.272	0.689	0.686	1.103
		Left Tilt	0.371	0.197	0.422	0.568	0.793
	LTE Band 26	Right Cheek	0.571	0.106	0.332	0.677	0.903
		Right Tilt	0.480	0.056	0.271	0.536	0.751
		Left Cheek	0.387	0.272	0.689	0.659	1.076
		Left Tilt	0.310	0.197	0.422	0.507	0.732
	LTE Band 38	Right Cheek	0.266	0.106	0.332	0.372	0.598
		Right Tilt	0.263	0.056	0.271	0.319	0.534
		Left Cheek	0.238	0.272	0.689	0.510	0.927
		Left Tilt	0.226	0.197	0.422	0.423	0.648
	LTE Band 40	Right Cheek	0.327	0.106	0.332	0.433	0.659
		Right Tilt	0.306	0.056	0.271	0.362	0.577
		Left Cheek	0.278	0.272	0.689	0.550	0.967
		Left Tilt	0.267	0.197	0.422	0.464	0.689
	LTE Band 66	Right Cheek	0.615	0.106	0.332	0.721	0.947
		Right Tilt	0.453	0.056	0.271	0.509	0.724
		Left Cheek	0.358	0.272	0.689	0.630	1.047
		Left Tilt	0.341	0.197	0.422	0.538	0.763
5G NR	NR Band n41	Right Cheek	0.152	0.106	0.332	0.258	0.484
		Right Tilt	0.063	0.056	0.271	0.119	0.334
		Left Cheek	0.406	0.272	0.689	0.678	1.095
		Left Tilt	0.111	0.197	0.422	0.308	0.533

➢ Head Simultaneous Transmission for WWAN(EN-DC)+WLAN MIMO

EN-DC Combination	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A_n41	Right Cheek	0.673	0.106	0.332	0.779	1.005
	Right Tilt	0.478	0.056	0.271	0.534	0.749
	Left Cheek	0.684	0.272	0.689	0.956	1.373
	Left Tilt	0.375	0.197	0.422	0.572	0.797
2C_n41	Right Cheek	0.673	0.106	0.332	0.779	1.005
	Right Tilt	0.478	0.056	0.271	0.534	0.749
	Left Cheek	0.684	0.272	0.689	0.956	1.373
	Left Tilt	0.375	0.197	0.422	0.572	0.797
66A_n41	Right Cheek	0.767	0.106	0.332	0.873	1.099

	Right Tilt	0.516	0.056	0.271	0.572	0.787
	Left Cheek	0.764	0.272	0.689	1.036	1.453
	Left Tilt	0.452	0.197	0.422	0.649	0.874

➢ Body Data for WLAN MIMO

Exposure Position	1 2.4GHz WLAN CH 0 1g SAR (W/kg)	2 2.4GHz WLAN CH 1 1g SAR (W/kg)	3 5GHz WLAN CH 0 1g SAR (W/kg)	4 5GHz WLAN CH 1 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
Front Side	0.051	0.121	0.036	0.060	0.172	0.096
Back Side	0.038	0.110	0.257	0.182	0.148	0.439
Left Side	0.000	0.000	0.000	0.000	0.000	0.000
Right Side	0.045	0.126	0.000	0.000	0.171	0.000
Top Side	0.010	0.000	0.000	0.000	0.010	0.000
Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000

➢ Body Data for EN-DC Combination

EN-DC Combination	Exposure Position	Standalone 1g SAR (W/kg)		Summed 1g SAR (W/kg)
		LTE Carrier	5G NR Carrier	
EN-DC_2A_n41	Front Side	0.346	0.064	0.410
	Back Side	0.286	0.067	0.353
	Left Side	0.251	0.000	0.251
	Right Side	0.081	0.154	0.235
	Top Side	0.066	0.016	0.082
	Bottom Side	0.273	0.000	0.273
EN-DC_2C_n41	Front Side	0.346	0.064	0.410
	Back Side	0.286	0.067	0.353
	Left Side	0.251	0.000	0.251
	Right Side	0.081	0.154	0.235
	Top Side	0.066	0.016	0.082
	Bottom Side	0.273	0.000	0.273
EN-DC_66A_n41	Front Side	0.317	0.064	0.381
	Back Side	0.297	0.067	0.364
	Left Side	0.278	0.000	0.278
	Right Side	0.046	0.154	0.200
	Top Side	0.064	0.016	0.080
	Bottom Side	0.281	0.000	0.281

➢ **Body Simultaneous Transmission for WWAN(2/3/4G/SA)+WLAN(SISO)**

WWAN Band		Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN	5GHz WLAN		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Front Side	0.681	0.123	0.114	0.804	0.795
		Back Side	0.511	0.110	1.041	0.621	1.552
		Left Side	0.439	0.000	0.000	0.439	0.439
		Right Side	0.080	0.126	0.000	0.206	0.080
		Top Side	0.132	0.027	0.000	0.159	0.132
		Bottom Side	0.713	0.000	0.000	0.713	0.713
	GSM1900	Front Side	0.306	0.123	0.114	0.429	0.420
		Back Side	0.255	0.110	1.041	0.365	1.296
		Left Side	0.223	0.000	0.000	0.223	0.223
		Right Side	0.069	0.126	0.000	0.195	0.069
		Top Side	0.079	0.027	0.000	0.106	0.079
		Bottom Side	0.243	0.000	0.000	0.243	0.243
WCDMA	WCDMA Band II	Front Side	0.382	0.123	0.114	0.505	0.496
		Back Side	0.327	0.110	1.041	0.437	1.368
		Left Side	0.303	0.000	0.000	0.303	0.303
		Right Side	0.088	0.126	0.000	0.214	0.088
		Top Side	0.091	0.027	0.000	0.118	0.091
		Bottom Side	0.291	0.000	0.000	0.291	0.291
	WCDMA Band IV	Front Side	0.392	0.123	0.114	0.515	0.506
		Back Side	0.361	0.110	1.041	0.471	1.402
		Left Side	0.385	0.000	0.000	0.385	0.385
		Right Side	0.065	0.126	0.000	0.191	0.065
		Top Side	0.087	0.027	0.000	0.114	0.087
		Bottom Side	0.343	0.000	0.000	0.343	0.343
	WCDMA Band V	Front Side	0.385	0.123	0.114	0.508	0.499
		Back Side	0.347	0.110	1.041	0.457	1.388
		Left Side	0.270	0.000	0.000	0.270	0.270
		Right Side	0.052	0.126	0.000	0.178	0.052
		Top Side	0.160	0.027	0.000	0.187	0.160
		Bottom Side	0.416	0.000	0.000	0.416	0.416
CDMA	CDMA2000 BC0	Front Side	0.394	0.123	0.114	0.517	0.508
		Back Side	0.359	0.110	1.041	0.469	1.400

		Left Side	0.087	0.000	0.000	0.087	0.087
		Right Side	0.038	0.126	0.000	0.164	0.038
		Top Side	0.165	0.027	0.000	0.192	0.165
		Bottom Side	0.391	0.000	0.000	0.391	0.391
	CDMA2000 BC1	Front Side	0.417	0.123	0.114	0.540	0.531
		Back Side	0.386	0.110	1.041	0.496	1.427
		Left Side	0.336	0.000	0.000	0.336	0.336
		Right Side	0.040	0.126	0.000	0.166	0.040
		Top Side	0.100	0.027	0.000	0.127	0.100
		Bottom Side	0.256	0.000	0.000	0.256	0.256
LTE	LTE Band 2	Front Side	0.346	0.123	0.114	0.469	0.460
		Back Side	0.286	0.110	1.041	0.396	1.327
		Left Side	0.251	0.000	0.000	0.251	0.251
		Right Side	0.081	0.126	0.000	0.207	0.081
		Top Side	0.066	0.027	0.000	0.093	0.066
		Bottom Side	0.273	0.000	0.000	0.273	0.273
	LTE Band 4	Front Side	0.282	0.123	0.114	0.405	0.396
		Back Side	0.174	0.110	1.041	0.284	1.215
		Left Side	0.149	0.000	0.000	0.149	0.149
		Right Side	0.054	0.126	0.000	0.180	0.054
		Top Side	0.070	0.027	0.000	0.097	0.070
		Bottom Side	0.198	0.000	0.000	0.198	0.198
	LTE Band 5	Front Side	0.389	0.123	0.114	0.512	0.503
		Back Side	0.399	0.110	1.041	0.509	1.440
		Left Side	0.278	0.000	0.000	0.278	0.278
		Right Side	0.054	0.126	0.000	0.180	0.054
		Top Side	0.108	0.027	0.000	0.135	0.108
		Bottom Side	0.406	0.000	0.000	0.406	0.406
	LTE Band 7	Front Side	0.487	0.123	0.114	0.610	0.601
		Back Side	0.450	0.110	1.041	0.560	1.491
		Left Side	0.237	0.000	0.000	0.237	0.237
		Right Side	0.067	0.126	0.000	0.193	0.067
		Top Side	0.260	0.027	0.000	0.287	0.260
		Bottom Side	1.014	0.000	0.000	1.014	1.014
	LTE Band 12	Front Side	0.124	0.123	0.114	0.247	0.238
		Back Side	0.099	0.110	1.041	0.209	1.140
		Left Side	0.066	0.000	0.000	0.066	0.066
		Right Side	0.022	0.126	0.000	0.148	0.022

		Top Side	0.118	0.027	0.000	0.145	0.118
		Bottom Side	0.080	0.000	0.000	0.080	0.080
	LTE Band 18	Front Side	0.262	0.123	0.114	0.385	0.376
		Back Side	0.282	0.110	1.041	0.392	1.323
		Left Side	0.141	0.000	0.000	0.141	0.141
		Right Side	0.054	0.126	0.000	0.180	0.054
		Top Side	0.125	0.027	0.000	0.152	0.125
		Bottom Side	0.306	0.000	0.000	0.306	0.306
	LTE Band 19	Front Side	0.325	0.123	0.114	0.448	0.439
		Back Side	0.354	0.110	1.041	0.464	1.395
		Left Side	0.209	0.000	0.000	0.209	0.209
		Right Side	0.052	0.126	0.000	0.178	0.052
		Top Side	0.144	0.027	0.000	0.171	0.144
		Bottom Side	0.379	0.000	0.000	0.379	0.379
	LTE Band 26	Front Side	0.281	0.123	0.114	0.404	0.395
		Back Side	0.308	0.110	1.041	0.418	1.349
		Left Side	0.171	0.000	0.000	0.171	0.171
		Right Side	0.050	0.126	0.000	0.176	0.050
		Top Side	0.127	0.027	0.000	0.154	0.127
		Bottom Side	0.335	0.000	0.000	0.335	0.335
	LTE Band 38	Front Side	0.220	0.123	0.114	0.343	0.334
		Back Side	0.200	0.110	1.041	0.310	1.241
		Left Side	0.108	0.000	0.000	0.108	0.108
		Right Side	0.049	0.126	0.000	0.175	0.049
		Top Side	0.139	0.027	0.000	0.166	0.139
		Bottom Side	0.446	0.000	0.000	0.446	0.446
	LTE Band 40	Front Side	0.263	0.123	0.114	0.386	0.377
		Back Side	0.260	0.110	1.041	0.370	1.301
		Left Side	0.092	0.000	0.000	0.092	0.092
		Right Side	0.104	0.126	0.000	0.230	0.104
		Top Side	0.139	0.027	0.000	0.166	0.139
		Bottom Side	0.504	0.000	0.000	0.504	0.504
	LTE Band 66	Front Side	0.317	0.123	0.114	0.440	0.431
		Back Side	0.297	0.110	1.041	0.407	1.338
		Left Side	0.278	0.000	0.000	0.278	0.278
		Right Side	0.046	0.126	0.000	0.172	0.046
		Top Side	0.064	0.027	0.000	0.091	0.064
		Bottom Side	0.281	0.000	0.000	0.281	0.281

5G NR	NR Band n41	Front Side	0.064	0.123	0.114	0.187	0.178
		Back Side	0.067	0.110	1.041	0.177	1.108
		Left Side	0.000	0.000	0.000	0.000	0.000
		Right Side	0.154	0.126	0.000	0.280	0.154
		Top Side	0.016	0.027	0.000	0.043	0.016
		Bottom Side	0.000	0.000	0.000	0.000	0.000

➢ Body Simultaneous Transmission for WWAN(EN-DC)+WLAN(SISO)

WWAN Band	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A_n41	Front Side	0.410	0.123	0.114	0.533	0.647
	Back Side	0.353	0.110	1.041	0.463	1.504
	Left Side	0.251	0.000	0.000	0.251	0.251
	Right Side	0.235	0.126	0.000	0.361	0.361
	Top Side	0.082	0.027	0.000	0.109	0.109
	Bottom Side	0.273	0.000	0.000	0.273	0.273
2C_n41	Front Side	0.410	0.123	0.114	0.533	0.647
	Back Side	0.353	0.110	1.041	0.463	1.504
	Left Side	0.251	0.000	0.000	0.251	0.251
	Right Side	0.235	0.126	0.000	0.361	0.361
	Top Side	0.082	0.027	0.000	0.109	0.109
	Bottom Side	0.273	0.000	0.000	0.273	0.273
66A_n41	Front Side	0.381	0.123	0.114	0.504	0.618
	Back Side	0.364	0.110	1.041	0.474	1.515
	Left Side	0.278	0.000	0.000	0.278	0.278
	Right Side	0.200	0.126	0.000	0.326	0.326
	Top Side	0.080	0.027	0.000	0.107	0.107
	Bottom Side	0.281	0.000	0.000	0.281	0.281

➢ Body Simultaneous Transmission for WWAN(2/3/4G/SA)+WLAN MIMO

WWAN Band		Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN	5GHz WLAN		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Front Side	0.681	0.172	0.096	0.853	0.777
		Back Side	0.511	0.148	0.439	0.659	0.950
		Left Side	0.439	0.000	0.000	0.439	0.439
		Right Side	0.080	0.171	0.000	0.251	0.080
		Top Side	0.132	0.010	0.000	0.142	0.132
		Bottom Side	0.713	0.000	0.000	0.713	0.713
	GSM1900	Front Side	0.306	0.172	0.096	0.478	0.402
		Back Side	0.255	0.148	0.439	0.403	0.694
		Left Side	0.223	0.000	0.000	0.223	0.223
		Right Side	0.069	0.171	0.000	0.240	0.069
		Top Side	0.079	0.010	0.000	0.089	0.079
		Bottom Side	0.243	0.000	0.000	0.243	0.243
WCDMA	WCDMA Band II	Front Side	0.382	0.172	0.096	0.554	0.478
		Back Side	0.327	0.148	0.439	0.475	0.766
		Left Side	0.303	0.000	0.000	0.303	0.303
		Right Side	0.088	0.171	0.000	0.259	0.088
		Top Side	0.091	0.010	0.000	0.101	0.091
		Bottom Side	0.291	0.000	0.000	0.291	0.291
	WCDMA Band IV	Front Side	0.392	0.172	0.096	0.564	0.488
		Back Side	0.361	0.148	0.439	0.509	0.800
		Left Side	0.385	0.000	0.000	0.385	0.385
		Right Side	0.065	0.171	0.000	0.236	0.065
		Top Side	0.087	0.010	0.000	0.097	0.087
		Bottom Side	0.343	0.000	0.000	0.343	0.343
	WCDMA Band V	Front Side	0.385	0.172	0.096	0.557	0.481
		Back Side	0.347	0.148	0.439	0.495	0.786
		Left Side	0.270	0.000	0.000	0.270	0.270
		Right Side	0.052	0.171	0.000	0.223	0.052
		Top Side	0.160	0.010	0.000	0.170	0.160
		Bottom Side	0.416	0.000	0.000	0.416	0.416
CDMA	CDMA2000 BC0	Front Side	0.394	0.172	0.096	0.566	0.490
		Back Side	0.359	0.148	0.439	0.507	0.798
		Left Side	0.087	0.000	0.000	0.087	0.087
		Right Side	0.038	0.171	0.000	0.209	0.038
		Top Side	0.165	0.010	0.000	0.175	0.165
		Bottom Side	0.391	0.000	0.000	0.391	0.391

	CDMA2000 BC1	Front Side	0.417	0.172	0.096	0.589	0.513
		Back Side	0.386	0.148	0.439	0.534	0.825
		Left Side	0.336	0.000	0.000	0.336	0.336
		Right Side	0.040	0.171	0.000	0.211	0.040
		Top Side	0.100	0.010	0.000	0.110	0.100
		Bottom Side	0.256	0.000	0.000	0.256	0.256
LTE	LTE Band 2	Front Side	0.346	0.172	0.096	0.518	0.442
		Back Side	0.286	0.148	0.439	0.434	0.725
		Left Side	0.251	0.000	0.000	0.251	0.251
		Right Side	0.081	0.171	0.000	0.252	0.081
		Top Side	0.066	0.010	0.000	0.076	0.066
		Bottom Side	0.273	0.000	0.000	0.273	0.273
	LTE Band 4	Front Side	0.282	0.172	0.096	0.454	0.378
		Back Side	0.174	0.148	0.439	0.322	0.613
		Left Side	0.149	0.000	0.000	0.149	0.149
		Right Side	0.054	0.171	0.000	0.225	0.054
		Top Side	0.070	0.010	0.000	0.080	0.070
		Bottom Side	0.198	0.000	0.000	0.198	0.198
	LTE Band 5	Front Side	0.389	0.172	0.096	0.561	0.485
		Back Side	0.399	0.148	0.439	0.547	0.838
		Left Side	0.278	0.000	0.000	0.278	0.278
		Right Side	0.054	0.171	0.000	0.225	0.054
		Top Side	0.108	0.010	0.000	0.118	0.108
		Bottom Side	0.406	0.000	0.000	0.406	0.406
	LTE Band 7	Front Side	0.487	0.172	0.096	0.659	0.583
		Back Side	0.450	0.148	0.439	0.598	0.889
		Left Side	0.237	0.000	0.000	0.237	0.237
		Right Side	0.067	0.171	0.000	0.238	0.067
		Top Side	0.260	0.010	0.000	0.270	0.260
		Bottom Side	1.014	0.000	0.000	1.014	1.014
	LTE Band 12	Front Side	0.124	0.172	0.096	0.296	0.220
		Back Side	0.099	0.148	0.439	0.247	0.538
		Left Side	0.066	0.000	0.000	0.066	0.066
		Right Side	0.022	0.171	0.000	0.193	0.022
		Top Side	0.118	0.010	0.000	0.128	0.118
		Bottom Side	0.080	0.000	0.000	0.080	0.080
	LTE Band 18	Front Side	0.262	0.172	0.096	0.434	0.358
		Back Side	0.282	0.148	0.439	0.430	0.721
		Left Side	0.141	0.000	0.000	0.141	0.141
		Right Side	0.054	0.171	0.000	0.225	0.054
		Top Side	0.125	0.010	0.000	0.135	0.125

		Bottom Side	0.306	0.000	0.000	0.306	0.306
	LTE Band 19	Front Side	0.325	0.172	0.096	0.497	0.421
		Back Side	0.354	0.148	0.439	0.502	0.793
		Left Side	0.209	0.000	0.000	0.209	0.209
		Right Side	0.052	0.171	0.000	0.223	0.052
		Top Side	0.144	0.010	0.000	0.154	0.144
		Bottom Side	0.379	0.000	0.000	0.379	0.379
	LTE Band 26	Front Side	0.281	0.172	0.096	0.453	0.377
		Back Side	0.308	0.148	0.439	0.456	0.747
		Left Side	0.171	0.000	0.000	0.171	0.171
		Right Side	0.050	0.171	0.000	0.221	0.050
		Top Side	0.127	0.010	0.000	0.137	0.127
		Bottom Side	0.335	0.000	0.000	0.335	0.335
	LTE Band 38	Front Side	0.220	0.172	0.096	0.392	0.316
		Back Side	0.200	0.148	0.439	0.348	0.639
		Left Side	0.108	0.000	0.000	0.108	0.108
		Right Side	0.049	0.171	0.000	0.220	0.049
		Top Side	0.139	0.010	0.000	0.149	0.139
		Bottom Side	0.446	0.000	0.000	0.446	0.446
	LTE Band 40	Front Side	0.263	0.172	0.096	0.435	0.359
		Back Side	0.260	0.148	0.439	0.408	0.699
		Left Side	0.092	0.000	0.000	0.092	0.092
		Right Side	0.104	0.171	0.000	0.275	0.104
		Top Side	0.139	0.010	0.000	0.149	0.139
		Bottom Side	0.504	0.000	0.000	0.504	0.504
	LTE Band 66	Front Side	0.317	0.172	0.096	0.489	0.413
		Back Side	0.297	0.148	0.439	0.445	0.736
		Left Side	0.278	0.000	0.000	0.278	0.278
		Right Side	0.046	0.171	0.000	0.217	0.046
		Top Side	0.064	0.010	0.000	0.074	0.064
		Bottom Side	0.281	0.000	0.000	0.281	0.281
5G NR	NR Band n41	Front Side	0.064	0.172	0.096	0.236	0.160
		Back Side	0.067	0.148	0.439	0.215	0.506
		Left Side	0.000	0.000	0.000	0.000	0.000
		Right Side	0.154	0.171	0.000	0.325	0.154
		Top Side	0.016	0.010	0.000	0.026	0.016
		Bottom Side	0.000	0.000	0.000	0.000	0.000

➢ Body Simultaneous Transmission for WWAN(EN-DC)+WLAN MIMO

WWAN Band	Exposure Position	1	2	3	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A_n41	Front Side	0.410	0.172	0.096	0.582	0.506
	Back Side	0.353	0.148	0.439	0.501	0.792
	Left Side	0.251	0.000	0.000	0.251	0.251
	Right Side	0.235	0.171	0.000	0.406	0.235
	Top Side	0.082	0.010	0.000	0.092	0.082
	Bottom Side	0.273	0.000	0.000	0.273	0.273
2C_n41	Front Side	0.410	0.172	0.096	0.582	0.506
	Back Side	0.353	0.148	0.439	0.501	0.792
	Left Side	0.251	0.000	0.000	0.251	0.251
	Right Side	0.235	0.171	0.000	0.406	0.235
	Top Side	0.082	0.010	0.000	0.092	0.082
	Bottom Side	0.273	0.000	0.000	0.273	0.273
66A_n41	Front Side	0.381	0.172	0.096	0.553	0.477
	Back Side	0.364	0.148	0.439	0.512	0.803
	Left Side	0.278	0.000	0.000	0.278	0.278
	Right Side	0.200	0.171	0.000	0.371	0.200
	Top Side	0.080	0.010	0.000	0.090	0.080
	Bottom Side	0.281	0.000	0.000	0.281	0.281

➢ Body Simultaneous Transmission for WWAN(2/3/4G/SA)+WLAN CH1+Bluetooth

WWAN Band		Exposure Position	1	2	3	4	1+2+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
GSM	GSM850	Front Side	0.681	0.121	0.060	0.093	0.895	0.834
		Back Side	0.511	0.110	0.182	0.085	0.706	0.778
		Left Side	0.439	0.000	0.000	0.000	0.439	0.439
		Right Side	0.080	0.126	0.000	0.060	0.266	0.140
		Top Side	0.132	0.000	0.000	0.014	0.146	0.146
		Bottom Side	0.713	0.000	0.000	0.000	0.713	0.713
	GSM1900	Front Side	0.306	0.121	0.060	0.093	0.520	0.459
		Back Side	0.255	0.110	0.182	0.085	0.450	0.522
		Left Side	0.223	0.000	0.000	0.000	0.223	0.223

		Right Side	0.069	0.126	0.000	0.060	0.255	0.129
		Top Side	0.079	0.000	0.000	0.014	0.093	0.093
		Bottom Side	0.243	0.000	0.000	0.000	0.243	0.243
WCDMA	WCDMA Band II	Front Side	0.382	0.121	0.060	0.093	0.596	0.535
		Back Side	0.327	0.110	0.182	0.085	0.522	0.594
		Left Side	0.303	0.000	0.000	0.000	0.303	0.303
		Right Side	0.088	0.126	0.000	0.060	0.274	0.148
		Top Side	0.091	0.000	0.000	0.014	0.105	0.105
		Bottom Side	0.291	0.000	0.000	0.000	0.291	0.291
	WCDMA Band IV	Front Side	0.392	0.121	0.060	0.093	0.606	0.545
		Back Side	0.361	0.110	0.182	0.085	0.556	0.628
		Left Side	0.385	0.000	0.000	0.000	0.385	0.385
		Right Side	0.065	0.126	0.000	0.060	0.251	0.125
		Top Side	0.087	0.000	0.000	0.014	0.101	0.101
		Bottom Side	0.343	0.000	0.000	0.000	0.343	0.343
	WCDMA Band V	Front Side	0.385	0.121	0.060	0.093	0.599	0.538
		Back Side	0.347	0.110	0.182	0.085	0.542	0.614
		Left Side	0.270	0.000	0.000	0.000	0.270	0.270
		Right Side	0.052	0.126	0.000	0.060	0.238	0.112
		Top Side	0.160	0.000	0.000	0.014	0.174	0.174
		Bottom Side	0.416	0.000	0.000	0.000	0.416	0.416
CDMA	CDMA2000 BC0	Front Side	0.394	0.121	0.060	0.093	0.608	0.547
		Back Side	0.359	0.110	0.182	0.085	0.554	0.626
		Left Side	0.087	0.000	0.000	0.000	0.087	0.087
		Right Side	0.038	0.126	0.000	0.060	0.224	0.098
		Top Side	0.165	0.000	0.000	0.014	0.179	0.179
		Bottom Side	0.391	0.000	0.000	0.000	0.391	0.391
	CDMA2000 BC1	Front Side	0.417	0.121	0.060	0.093	0.631	0.570
		Back Side	0.386	0.110	0.182	0.085	0.581	0.653
		Left Side	0.336	0.000	0.000	0.000	0.336	0.336
		Right Side	0.040	0.126	0.000	0.060	0.226	0.100
		Top Side	0.100	0.000	0.000	0.014	0.114	0.114
		Bottom Side	0.256	0.000	0.000	0.000	0.256	0.256
LTE	LTE Band 2	Front Side	0.346	0.121	0.060	0.093	0.560	0.499
		Back Side	0.286	0.110	0.182	0.085	0.481	0.553
		Left Side	0.251	0.000	0.000	0.000	0.251	0.251
		Right Side	0.081	0.126	0.000	0.060	0.267	0.141
		Top Side	0.066	0.000	0.000	0.014	0.080	0.080

		Bottom Side	0.273	0.000	0.000	0.000	0.273	0.273
	LTE Band 4	Front Side	0.282	0.121	0.060	0.093	0.496	0.435
		Back Side	0.174	0.110	0.182	0.085	0.369	0.441
		Left Side	0.149	0.000	0.000	0.000	0.149	0.149
		Right Side	0.054	0.126	0.000	0.060	0.240	0.114
		Top Side	0.070	0.000	0.000	0.014	0.084	0.084
		Bottom Side	0.198	0.000	0.000	0.000	0.198	0.198
	LTE Band 5	Front Side	0.389	0.121	0.060	0.093	0.603	0.542
		Back Side	0.399	0.110	0.182	0.085	0.594	0.666
		Left Side	0.278	0.000	0.000	0.000	0.278	0.278
		Right Side	0.054	0.126	0.000	0.060	0.240	0.114
		Top Side	0.108	0.000	0.000	0.014	0.122	0.122
		Bottom Side	0.406	0.000	0.000	0.000	0.406	0.406
	LTE Band 7	Front Side	0.487	0.121	0.060	0.093	0.701	0.640
		Back Side	0.450	0.110	0.182	0.085	0.645	0.717
		Left Side	0.237	0.000	0.000	0.000	0.237	0.237
		Right Side	0.067	0.126	0.000	0.060	0.253	0.127
		Top Side	0.260	0.000	0.000	0.014	0.274	0.274
		Bottom Side	1.014	0.000	0.000	0.000	1.014	1.014
	LTE Band 12	Front Side	0.124	0.121	0.060	0.093	0.338	0.277
		Back Side	0.099	0.110	0.182	0.085	0.294	0.366
		Left Side	0.066	0.000	0.000	0.000	0.066	0.066
		Right Side	0.022	0.126	0.000	0.060	0.208	0.082
		Top Side	0.118	0.000	0.000	0.014	0.132	0.132
		Bottom Side	0.080	0.000	0.000	0.000	0.080	0.080
	LTE Band 18	Front Side	0.262	0.121	0.060	0.093	0.476	0.415
		Back Side	0.282	0.110	0.182	0.085	0.477	0.549
		Left Side	0.141	0.000	0.000	0.000	0.141	0.141
		Right Side	0.054	0.126	0.000	0.060	0.240	0.114
		Top Side	0.125	0.000	0.000	0.014	0.139	0.139
		Bottom Side	0.306	0.000	0.000	0.000	0.306	0.306
	LTE Band 19	Front Side	0.325	0.121	0.060	0.093	0.539	0.478
		Back Side	0.354	0.110	0.182	0.085	0.549	0.621
		Left Side	0.209	0.000	0.000	0.000	0.209	0.209
		Right Side	0.052	0.126	0.000	0.060	0.238	0.112
		Top Side	0.144	0.000	0.000	0.014	0.158	0.158
		Bottom Side	0.379	0.000	0.000	0.000	0.379	0.379
	LTE Band	Front Side	0.281	0.121	0.060	0.093	0.495	0.434

	26	Back Side	0.308	0.110	0.182	0.085	0.503	0.575
		Left Side	0.171	0.000	0.000	0.000	0.171	0.171
		Right Side	0.050	0.126	0.000	0.060	0.236	0.110
		Top Side	0.127	0.000	0.000	0.014	0.141	0.141
		Bottom Side	0.335	0.000	0.000	0.000	0.335	0.335
	LTE Band 38	Front Side	0.220	0.121	0.060	0.093	0.434	0.373
		Back Side	0.200	0.110	0.182	0.085	0.395	0.467
		Left Side	0.108	0.000	0.000	0.000	0.108	0.108
		Right Side	0.049	0.126	0.000	0.060	0.235	0.109
		Top Side	0.139	0.000	0.000	0.014	0.153	0.153
		Bottom Side	0.446	0.000	0.000	0.000	0.446	0.446
	LTE Band 40	Front Side	0.263	0.121	0.060	0.093	0.477	0.416
		Back Side	0.260	0.110	0.182	0.085	0.455	0.527
		Left Side	0.092	0.000	0.000	0.000	0.092	0.092
		Right Side	0.104	0.126	0.000	0.060	0.290	0.164
		Top Side	0.139	0.000	0.000	0.014	0.153	0.153
		Bottom Side	0.504	0.000	0.000	0.000	0.504	0.504
	LTE Band 66	Front Side	0.317	0.121	0.060	0.093	0.531	0.470
		Back Side	0.297	0.110	0.182	0.085	0.492	0.564
		Left Side	0.278	0.000	0.000	0.000	0.278	0.278
		Right Side	0.046	0.126	0.000	0.060	0.232	0.106
		Top Side	0.064	0.000	0.000	0.014	0.078	0.078
		Bottom Side	0.281	0.000	0.000	0.000	0.281	0.281
5G NR	NR Band n41	Front Side	0.064	0.121	0.060	0.093	0.278	0.217
		Back Side	0.067	0.110	0.182	0.085	0.262	0.334
		Left Side	0.000	0.000	0.000	0.000	0.000	0.000
		Right Side	0.154	0.126	0.000	0.060	0.340	0.214
		Top Side	0.016	0.000	0.000	0.014	0.030	0.030
		Bottom Side	0.000	0.000	0.000	0.000	0.000	0.000

➢ **Body Simultaneous Transmission for WWAN(EN-DC)+WLAN CH1+Bluetooth**

WWAN Band	Exposure Position	1	2	3	4	1+2+4 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
2A_n41	Front Side	0.410	0.121	0.060	0.093	0.624	0.563
	Back Side	0.353	0.110	0.182	0.085	0.548	0.620
	Left Side	0.251	0.000	0.000	0.000	0.251	0.251
	Right Side	0.235	0.126	0.000	0.060	0.421	0.295
	Top Side	0.082	0.000	0.000	0.014	0.096	0.096
	Bottom Side	0.273	0.000	0.000	0.000	0.273	0.273
2C_n41	Front Side	0.410	0.121	0.060	0.093	0.624	0.563
	Back Side	0.353	0.110	0.182	0.085	0.548	0.620
	Left Side	0.251	0.000	0.000	0.000	0.251	0.251
	Right Side	0.235	0.126	0.000	0.060	0.421	0.295
	Top Side	0.082	0.000	0.000	0.014	0.096	0.096
	Bottom Side	0.273	0.000	0.000	0.000	0.273	0.273
66A_n41	Front Side	0.381	0.121	0.060	0.093	0.595	0.534
	Back Side	0.364	0.110	0.182	0.085	0.559	0.631
	Left Side	0.278	0.000	0.000	0.000	0.278	0.278
	Right Side	0.200	0.126	0.000	0.060	0.386	0.260
	Top Side	0.080	0.000	0.000	0.014	0.094	0.094
	Bottom Side	0.281	0.000	0.000	0.000	0.281	0.281

19.3. SPLSR Assessment and Analysis

➢ **General Guidance**

1. Per KDB 447498, When standalone SAR is measured, the peak location is determined by the x, y, z coordinates of the extrapolated and interpolated results reported by the zoom scan measurement, or area scan measurement when area scan based 1-g SAR estimation is applicable.
2. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1-x_2)^2 + (y_1-y_2)^2 + (z_1-z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
3. The ratio is determined by $(SAR_1 + SAR_2)^{1.5}/R_i$, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.
4. SPLSR analysis results as below:

Band	Position	SAR (W/kg)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			X	Y	Z				
LTE Band 2	Right Cheek	0.252	0.00696	0.296	-0.169	50.6	1.16	0.02	Not required
5G NR n41		0.356	0.0489	0.324	-0.173				
5.5GHz CH1		0.549	0.0458	0.324	-0.175				

Band	Position	SAR (W/kg)	SAR peak location (cm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			X	Y	Z				
LTE Band 66	Right Cheek	0.256	0.0115	0.301	-0.172	43.9	1.16	0.03	Not required
5G NR n41		0.356	0.0489	0.324	-0.173				
5.5GHz CH1		0.549	0.0458	0.324	-0.175				

Note:

The plots of SPLSR please refer to Annex D of this report.

20. Uncertainty Assessment

The component of uncertainly may generally be categorized according to the methods used to evaluate them. The evaluation of uncertainly by the statistical analysis of a series of observations is termed a Type An evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance.

A Type A evaluation of standard uncertainty may be based on any valid statistical method for treating data. This includes calculating the standard deviation of the mean of a series of independent observations; using the method of least squares to fit a curve to the data in order to estimate the parameter of the curve and their standard deviations; or carrying out an analysis of variance in order to identify and quantify random effects in certain kinds of measurement.

A type B evaluation of standard uncertainty is typically based on scientific judgment using all of the relevant information available. These may include previous measurement data, experience, and knowledge of the behavior and properties of relevant materials and instruments, manufacture's specification, data provided in calibration reports and uncertainties assigned to reference data taken from handbooks. Broadly speaking, the uncertainty is either obtained from an outdoor source or obtained from an assumed distribution, such as the normal distribution, rectangular or triangular distributions indicated in table below.

Uncertainty	Normal	Rectangular	Triangular	U-Shape
Multi-plying Factor[a]	1/k[b]	$1/\sqrt{3}$	$1/\sqrt{6}$	$1/\sqrt{2}$

Standard Uncertainty for Assumed Distribution

(a) standard uncertainty is determined as the product of the multiplying factor and the estimated range of variations in the measured quantity

(b) κ is the coverage factor

The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances.

Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. Typically, the coverage factor ranges from 2 to 3. Using a coverage factor allows the true value of a measured quantity to be specified with a defined probability within the specified uncertainty range. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is shown in the following tables.

Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	6.0	N	1	1	1	6.0	6.0
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9
Boundary Effects	1.0	R	1.732	1	1	0.6	0.6
Linearity	4.7	R	1.732	1	1	2.7	2.7
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6
Modulation Response	3.2	R	1.732	1	1	1.8	1.8
Readout Electronics	0.3	N	1	1	1	0.3	0.3
Response Time	0.0	R	1.732	1	1	0.0	0.0
Integration Time	2.6	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2
Probe Positioning	2.9	R	1.732	1	1	1.7	1.7
Max. SAR Eval.	2.0	R	1.732	1	1	1.2	1.2
Test Sample Related							
Device Positioning	3.0	N	1	1	1	3.0	3.0
Device Holder	3.6	N	1	1	1	0.089	0.089
Power Drift	5.0	R	1.732	1	1	2.9	2.9
Power Scaling	0.0	R	1.732	1	1	0.0	0.0
Phantom and Setup							
Phantom Uncertainty	6.1	R	1.732	1	1	3.5	3.5
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.2	N	1	0.78	0.71	0.1	0.1
Liquid Conductivity (target)	5.0	R	1.732	0.78	0.71	2.3	2.0
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0
Temp. unc. - Conductivity	3.4	R	1.732	0.78	0.71	1.5	1.4
Liquid Permittivity Repeatability	0.15	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.0	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.83	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						11.4%	11.4%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						22.9%	22.7%

Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)
Measurement System							
Probe Calibration	6.55	N	1	1	1	6.0	6.0
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2
Linearity	4.7	R	1.732	1	1	2.7	2.7
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6
Modulation Response	3.2	R	1.732	1	1	1.8	1.8
Readout Electronics	0.3	N	1	1	1	0.3	0.3
Response Time	0.0	R	1.732	1	1	0.0	0.0
Integration Time	2.6	R	1.732	1	1	1.5	1.5
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3
Test Sample Related							
Device Positioning	3.0	N	1	1	1	3.0	3.0
Device Holder	3.6	N	1	1	1	0.089	0.089
Power Drift	5.0	R	1.732	1	1	2.9	2.9
Power Scaling	0.0	R	1.732	1	1	0.0	0.0
Phantom and Setup							
Phantom Uncertainty	6.1	R	1.732	1	1	3.8	3.8
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0
Liquid Conductivity Repeatability	0.2	N	1	0.78	0.71	0.1	0.1
Liquid Conductivity (target)	5.0	R	1.732	0.78	0.71	2.3	2.0
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0
Temp. unc. - Conductivity	3.4	R	1.732	0.78	0.71	1.5	1.4
Liquid Permittivity Repeatability	0.15	N	1	0.23	0.26	0.0	0.0
Liquid Permittivity (target)	5.0	R	1.732	0.23	0.26	0.7	0.8
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4
Temp. unc. - Permittivity	0.83	R	1.732	0.23	0.26	0.1	0.1
Combined Std. Uncertainty						12.5%	12.5%
Coverage Factor for 95 %						K=2	K=2
Expanded STD Uncertainty						25.1 %	25.1%

Annex A General Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.Morlab Laboratory
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

The FCC designation number is CN1192, the test firm registration number is 226174.

Note：

The main report is end here and the other Annex (B,C,D,E,F) will be submitted separately.

****** END OF MAIN REPORT ******