



Appendix F. Sim-Tx SAR consideration

F.1 Sim-Tx Configuration

Exposure Condition	Tx mode	Capable TX Configurations	WWAN Power	WiFi Power	BT Power
Head	WWAN standalone	WWAN	Index 2		
	WiFi standalone	WiFi 2.4G SISO (Ant4 or Ant3)	Index 1	Index 2 (RSDB)	
		WiFi 2.4G MIMO/CDD (Ant4+3)			
		WiFi 5G MIMO (Ant4+3)			
		WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	WiFi +BT	WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)	Index 1	Index 1	
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3)			
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant4 or Ant3)	Index 3	Index 4 (RSDB)	
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)			
		WWAN + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	WWAN + BT	WWAN + Bluetooth (Ant4)	Index 3		Index 1
		WWAN + Bluetooth (Ant3)			
		WWAN + Bluetooth (Ant4+3)			
	WWAN + WiFi +BT	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)	Index 3	Index 1	
		WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)					
WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3)					



Exposure Condition	Tx mode	Capable TX Configurations	WWAN Power	WiFi Power	BT Power
Body	WWAN standalone	WWAN	Index 5		
	WiFi standalone	WiFi 2.4G SISO (Ant4 or Ant3)		Index 5	Index 6 (RSDB)
		WiFi 2.4G MIMO/CDD (Ant4+3)			
		WiFi 5G MIMO (Ant4+3)			
		WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	BT standalone	Bluetooth (Ant4)			Index 2
		Bluetooth (Ant3)			
		Bluetooth (Ant4+3)			
	WiFi +BT	WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)		Index 5	Index 3
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3)			
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant4 or Ant3)	Index 6 / Index 4 (Hotspot)	Index 7	Index 8 (RSDB)
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)			
		WWAN + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3)			
	WWAN + BT	WWAN + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)		Index 3
		WWAN + Bluetooth (Ant3)			
		WWAN + Bluetooth (Ant4+3)			
	WWAN + WiFi +BT	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)	Index 9	Index 4
WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)					
WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3)					
WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4)					
WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3)					
WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3)					



Exposure Condition	Tx mode	Capable TX Configurations	WWAN Power Index	WiFi Power Index	BT Power Index
Extremity	WWAN standalone / WWAN + NFC	WWAN / WWAN + NFC	Index 5		
	WiFi standalone / WLAN + NFC	WiFi 2.4G SISO (Ant4 or Ant3) / WiFi 2.4G SISO (Ant4 or Ant3) + NFC	Index 5	Index 6 (RSDB)	
		WiFi 2.4G MIMO/CDD (Ant4+3) / WiFi 2.4G MIMO/CDD (Ant4+3) + NFC			
		WiFi 5G MIMO (Ant4+3) / WiFi 5G MIMO (Ant4+3) + NFC			
		WiFi 6E MIMO (Ant4+3) / WiFi 6E MIMO (Ant4+3) + NFC			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3) / WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3) + NFC			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3) / WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3) + NFC			
		WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3) / WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3) + NFC			
		WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3) / WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3) + NFC			
	BT standalone / BT + NFC	Bluetooth (Ant4) / Bluetooth (Ant4) + NFC	Index 2		
		Bluetooth (Ant3) / Bluetooth (Ant3) + NFC			
		Bluetooth (Ant4+3) / Bluetooth (Ant4+3) + NFC			
	NFC standalone	NFC			
	WiFi +BT + NFC	WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4) + NFC	Index 5	Index 3	
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3) + NFC			
		WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3) + NFC			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4) + NFC			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3) + NFC			
		WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3) + NFC			
	WWAN + WiFi + NFC	WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + NFC	Index 4 / 6	Index 7	Index 8 (RSDB)
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + NFC			
		WWAN + WiFi 5G MIMO (Ant4+3) + NFC			
		WWAN + WiFi 6E MIMO (Ant4+3) + NFC			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 5G MIMO (Ant4+3) + NFC			
		WWAN + WiFi 2.4G SISO (Ant4 or Ant3) + WiFi 6E MIMO (Ant4+3) + NFC			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 5G MIMO (Ant4+3) + NFC			
		WWAN + WiFi 2.4G MIMO (Ant4+3) + WiFi 6E MIMO (Ant4+3) + NFC			
	WWAN + BT + NFC	WWAN + Bluetooth (Ant4) + NFC	Index 6 / Index 4??	Index 3	
		WWAN + Bluetooth (Ant3) + NFC			
		WWAN + Bluetooth (Ant4+3) + NFC			
WWAN + WiFi +BT + NFC	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4) + NFC	Index 4 / 6	Index 9	Index 4	
	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3) + NFC				
	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4+3) + NFC				
	WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4) + NFC				
	WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant3) + NFC				
	WWAN + WiFi 6E MIMO (Ant4+3) + Bluetooth (Ant4+3) + NFC				
Maximum Power Condition	All combinations	Index 1	Index 0	Index 0	

General Note:

1. Max Power condition use case evaluated in the appendix G.
2. This device only WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
3. The worst case reported SAR from each transmit antennas were using for SAR summation. Therefore, the following summations represent the absolute worst cases for simultaneous transmission configuration.
4. The SAR summation is calculated based on the same exposure configuration and test position from each transmit antenna worst case reported SAR results.
5. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - i) Scalar SAR summation < 1.6W/kg.
 - ii) $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - iii) If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - iv) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

F.2 5G NR + LTE + WLAN + BT Sim-Tx analysis

Samsung proprietary TAS feature manages transmitting power effectively in real time and ensures that overall average RF exposure from 4G/5G NR WWAN including 5G NR EN-DC, and LTE intra-band/inter-band uplink CA are in compliance with FCC requirements, while the RF exposure from 2G, 3G and WLAN/BT radios is managed using the legacy approach, i.e., through a fixed power back-off if needed. The test device features a TAS function to keep average RF exposure below the given limit for all cases while allowing temporarily high power transmission for better performance.

For the 5G NR EN-DC, the power ratio factors are g1 and g2 for LTE and NR respectively. The purpose of these power ratio factors is to split the available SAR budget among different RATs, so $g1 + g2 \leq 1$. The value of g1 is computed based on the need of the anchor (LTE) and can be changed if the anchor changes its power request. Based on the SAR Budget portion allocated to the anchor, the value of g2 will be computed. At steady state (where all RATs are being on for a while), the allocated power ratio factors will guarantee that the total exposure ratio never exceeds the highest exposure of either one.

$$g1 * LTE_{exposure} + g2 * NR_{exposure} \leq 1.0,$$

$$\text{then, } g1 * LTE_{exposure} + g2 * NR_{exposure} \leq \max (LTE_{exposure} , NR_{exposure})$$

In simultaneous transmission for this device, 5G NR including FR1 uplink MIMO and LTE transmission are managed and controlled by Samsung S.LSI TAS, while the RF exposure from WLAN, BT radios are managed using legacy approach, therefore, compliance of simultaneous transmission of LTE+5G NR+WiFi+BT can be justified from the compliance of LTE+WiFi +BT and 5G NR+WiFi+BT

The device also enabled Samsung Spatial TAS to improve antenna performance by applying separate SAR budgets to each predefined antenna group. There are three predefined antenna groups of AG0(Ant0, Ant6), AG1(Ant1,Ant5), AG2(Ant2, Ant7). Each antenna group is spatially separated to others. Simultaneous transmission analysis is performed per antenna group. Below analysis demonstrates the spatial separation of AG0, AG1 and AG2 and the compliance between AG0 and BT/WLAN/NFC, and between AG1 and BT/WLAN/NFC, and between AG2 and BT/WLAN/NFC

Thus, the concept was to split the SAR/TER on the transmitting RATs even they are transmitting on different antennas. Such approach is considered as a worst case scenario in terms of transmitting power. Thus, to enhance the performance of the transmission power of RATs, consider the spatial properties of each antenna and the correlations between the antennas transmissions.

	AG0	AG1	AG2	external radio
Antenna	Ant 0, Ant 6	Ant 1, Ant 5	Ant 2, Ant 7	WLAN/BT/NFC

The verification of spatial separation of the antenna groups is demonstrated through the following steps, together with WIF/BT simultaneous transmission analysis results.

- i) The highest reported SAR at P_{limit} (or P_{max} when P_{limit} > P_{max}) for each antenna should be obtained out of all supported technologies and frequency bands for each power index. Demonstrate that the sum of reported SAR of one antenna from each of the antenna groups and the sum of RF exposure from all supported radios outside of TAS feature should be less than the regulatory limit as given below for each power index.
- ii) If the sum of SAR from step i) is over 1.6 W/kg for 1g and 4 W/kg for 10g, demonstrate for a given power index that every antenna from one antenna group meets SPLSR criteria with every antenna in another antenna group for all frequency bands. SPLSR criteria must be demonstrated for all antenna pair combinations irrespective of supported simultaneous transmission scenarios, SPLSR Hotspot combination procedure (Hybrid SPLSR) also be considered for simultaneous transmission analysis.
- iii) If SPLSR evaluation and analysis is needed to determine compliance for a certain power index configuration, SPLSR is performed by taking the highest summation SAR for each of the supported technologies and bands per antenna, along with the minimum of peak SAR location distance. The minimum of peak location distance are documented in the Highest Report SAR and Hotspot Location below for each power index configuration.
- iv) In section F.7 SPLSR analysis only evaluation Sim-Tx SAR configuration are rounded to two decimal higher or equal to 1.6W/kg.
- v) The analysis addresses the simultaneous transmission and the transition among non-simultaneous transmission radios





F.3 Head Sim-Tx analysis

<WLAN Index1, BT Index1>

Exposure Position	1	2	3	4	5	6	7	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	4+7 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3+4 1g SAR (W/kg)			
Right Cheek	0.263	0.427	0.338	0.580	0.040	0.092	0.085	0.620	0.672	0.665
Right Tilted	0.030	0.508	0.469	0.295	0.001	0.116	0.107	0.296	0.411	0.402
Left Cheek	0.142	0.896	0.774	0.615	0.041	0.201	0.188	0.656	0.816	0.803
Left Tilted	0.001	1.053	1.043	0.609	0.001	0.239	0.227	0.610	0.848	0.836

<WLAN Index2>

Exposure Position	1	2	3	4	1+4 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)			
Right Cheek	0.209	0.339	0.268	0.580	0.789	0.919	0.848
Right Tilted	0.024	0.404	0.373	0.295	0.319	0.699	0.668
Left Cheek	0.113	0.712	0.615	0.615	0.728	1.327	1.230
Left Tilted	0.001	0.837	0.828	0.609	0.610	1.446	1.437

<WWAN Index2>

Exposure Position	Max Ant 0 WWAN 1g SAR (W/kg)	Max Ant 1 WWAN 1g SAR (W/kg)	Max Ant 2 WWAN 1g SAR (W/kg)	Max Ant 5 WWAN 1g SAR (W/kg)	Max Ant 6 WWAN 1g SAR (W/kg)	Max Ant 7 WWAN 1g SAR (W/kg)	Ant 0+1 Summed 1g SAR (W/kg)	Ant 0+2 Summed 1g SAR (W/kg)	Ant 0+5 Summed 1g SAR (W/kg)	Ant 0+7 Summed 1g SAR (W/kg)	Ant 1+2 Summed 1g SAR (W/kg)	Ant 1+5 Summed 1g SAR (W/kg)	Ant 1+6 Summed 1g SAR (W/kg)	Ant 1+7 Summed 1g SAR (W/kg)	Ant 2+5 Summed 1g SAR (W/kg)	Ant 2+6 Summed 1g SAR (W/kg)	Ant 5+6 Summed 1g SAR (W/kg)	Ant 5+7 Summed 1g SAR (W/kg)	Ant 6+7 Summed 1g SAR (W/kg)	Ant 1+2 SPLSR	Ant 1+2 Case No
Right Cheek	0.413	0.955	0.927	0.366	0.296	0.500	1.368	1.340	0.779	0.913	1.882	1.321	1.251	1.455	1.293	1.223	0.662	0.866	0.796	0.03	Case1
Right Tilted	0.265	0.997	0.316	0.084	0.311	0.080	1.262	0.581	0.349	0.345	1.313	1.081	1.308	1.077	0.400	0.627	0.395	0.164	0.391		
Left Cheek	0.659	0.550	0.381	0.620	0.729	0.132	1.209	1.040	1.279	0.791	0.931	1.170	1.279	0.682	1.001	1.110	1.349	0.752	0.861		
Left Tilted	0.308	0.657	0.419	0.212	0.193	0.038	0.965	0.727	0.520	0.346	1.076	0.869	0.850	0.695	0.631	0.612	0.405	0.250	0.231		



FCC SAR TEST REPORT

Report No. :FA2D0208-01F

<WWAN Index3, WLAN Index3, BT Index1>

WWAN Band	Exposure Position	0	1	2	3	4	5	6	7	8	0+1+2 Summed 1g SAR (W/kg)	0+1+3 Summed 1g SAR (W/kg)	0+1+4 Summed 1g SAR (W/kg)	0+1+5+6 Summed 1g SAR (W/kg)	0+1+5+7 Summed 1g SAR (W/kg)	0+1+5+8 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+1+3 SPLSR	0+1+3 Case No.	0+1+4 SPLSR	0+1+4 Case No.	0+1+5+6 SPLSR	0+1+5+6 Case No.	0+1+5+7 SPLSR	0+1+5+7 Case No.	0+1+5+8 SPLSR	0+1+5+8 Case No.
Ant 0+1	Right Cheek	0.413	0.813	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.340	1.420	1.374	1.580	1.632	1.625									0.04	Case2	0.04	Case3
	Right Tilted	0.265	0.849	0.010	0.230	0.207	0.147	0.001	0.116	0.107	1.124	1.344	1.321	1.262	1.377	1.368												
	Left Cheek	0.571	0.468	0.052	0.408	0.341	0.277	0.041	0.201	0.188	1.091	1.447	1.380	1.357	1.517	1.504												
	Left Tilted	0.308	0.559	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.868	1.327	1.335	1.145	1.383	1.371												
Ant 0+2	Right Cheek	0.413	0.789	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.316	1.396	1.350	1.556	1.608	1.601									0.04	Case4	0.04	Case5
	Right Tilted	0.265	0.302	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.577	0.797	0.774	0.715	0.830	0.821												
	Left Cheek	0.571	0.324	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.947	1.303	1.236	1.213	1.373	1.360												
	Left Tilted	0.308	0.356	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.665	1.124	1.132	0.942	1.180	1.168												
Ant 0+5	Right Cheek	0.413	0.311	0.114	0.194	0.148	0.314	0.040	0.092	0.085	0.838	0.918	0.872	1.078	1.130	1.123												
	Right Tilted	0.265	0.131	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.406	0.626	0.603	0.544	0.659	0.650												
	Left Cheek	0.571	0.527	0.052	0.408	0.341	0.277	0.041	0.201	0.188	1.150	1.506	1.439	1.416	1.576	1.563												
	Left Tilted	0.308	0.181	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.490	0.949	0.957	0.767	1.005	0.993												
Ant 0+7	Right Cheek	0.413	0.500	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.027	1.107	1.061	1.267	1.319	1.312												
	Right Tilted	0.265	0.080	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.355	0.575	0.552	0.493	0.608	0.599												
	Left Cheek	0.571	0.132	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.755	1.111	1.044	1.021	1.181	1.168												
	Left Tilted	0.308	0.038	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.347	0.806	0.814	0.624	0.862	0.850												
Ant 1+2	Right Cheek	0.813	0.789	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.716	1.796	1.750	1.956	2.008	2.001	0.04	Case6	0.04	Case6	0.04	Case6	0.04	Case6	0.04	Case6	0.04	Case6
	Right Tilted	0.849	0.302	0.010	0.230	0.207	0.147	0.001	0.116	0.107	1.161	1.381	1.358	1.299	1.414	1.405												
	Left Cheek	0.468	0.324	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.844	1.200	1.133	1.110	1.270	1.257												
	Left Tilted	0.559	0.356	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.916	1.375	1.383	1.193	1.431	1.419												
Ant 1+6	Right Cheek	0.813	0.252	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.179	1.259	1.213	1.419	1.471	1.464												
	Right Tilted	0.849	0.265	0.010	0.230	0.207	0.147	0.001	0.116	0.107	1.124	1.344	1.321	1.262	1.377	1.368												
	Left Cheek	0.468	0.620	0.052	0.408	0.341	0.277	0.041	0.201	0.188	1.140	1.496	1.429	1.406	1.566	1.553												
	Left Tilted	0.559	0.193	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.753	1.212	1.220	1.030	1.268	1.256												
Ant 1+7	Right Cheek	0.813	0.500	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.427	1.507	1.461	1.667	1.719	1.712							0.04	Case6	0.04	Case6	0.04	
	Right Tilted	0.849	0.080	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.939	1.159	1.136	1.077	1.192	1.183												
	Left Cheek	0.468	0.132	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.652	1.008	0.941	0.918	1.078	1.065												
	Left Tilted	0.559	0.038	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.598	1.057	1.065	0.875	1.113	1.101												
Ant 2+5	Right Cheek	0.789	0.311	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.214	1.294	1.248	1.454	1.506	1.499												
	Right Tilted	0.302	0.131	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.443	0.663	0.640	0.581	0.696	0.687												
	Left Cheek	0.324	0.527	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.903	1.259	1.192	1.169	1.329	1.316												
	Left Tilted	0.356	0.181	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.538	0.997	1.005	0.815	1.053	1.041												
Ant 2+6	Right Cheek	0.789	0.252	0.114	0.194	0.148	0.314	0.040	0.092	0.085	1.155	1.235	1.189	1.395	1.447	1.440												
	Right Tilted	0.302	0.265	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.577	0.797	0.774	0.715	0.830	0.821												
	Left Cheek	0.324	0.620	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.996	1.352	1.285	1.262	1.422	1.409												
	Left Tilted	0.356	0.193	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.550	1.009	1.017	0.827	1.065	1.053												
Ant 5+6	Right Cheek	0.311	0.252	0.114	0.194	0.148	0.314	0.040	0.092	0.085	0.677	0.757	0.711	0.917	0.969	0.962												
	Right Tilted	0.131	0.265	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.406	0.626	0.603	0.544	0.659	0.650												
	Left Cheek	0.527	0.620	0.052	0.408	0.341	0.277	0.041	0.201	0.188	1.199	1.555	1.488	1.465	1.625	1.612								0.04	Case8	0.03	Case9	
	Left Tilted	0.181	0.193	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.375	0.834	0.842	0.652	0.890	0.878												
Ant 5+7	Right Cheek	0.311	0.500	0.114	0.194	0.148	0.314	0.040	0.092	0.085	0.925	1.005	0.959	1.165	1.217	1.210												
	Right Tilted	0.131	0.080	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.221	0.441	0.418	0.359	0.474	0.465												
	Left Cheek	0.527	0.132	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.711	1.067	1.000	0.977	1.137	1.124												
	Left Tilted	0.181	0.038	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.220	0.679	0.687	0.497	0.735	0.723												
Ant 6+7	Right Cheek	0.252	0.500	0.114	0.194	0.148	0.314	0.040	0.092	0.085	0.866	0.946	0.900	1.106	1.158	1.151												
	Right Tilted	0.265	0.080	0.010	0.230	0.207	0.147	0.001	0.116	0.107	0.355	0.575	0.552	0.493	0.608	0.599												
	Left Cheek	0.620	0.132	0.052	0.408	0.341	0.277	0.041	0.201	0.188	0.804	1.160	1.093	1.070	1.230	1.217												
	Left Tilted	0.193	0.038	0.001	0.460	0.468	0.277	0.001	0.239	0.227	0.232	0.691	0.699	0.509	0.747	0.735												



<WWAN Index3, WLAN Index4>

WWAN Band	Exposure Position	0	1	2	3	4	5	0+1+2+5	0+1+3+5	0+1+4+5	0+1+2+5 SPLSR	0+1+2+5 Case No.	0+1+3+5 SPLSR	0+1+3+5 Case No.	0+1+4+5 SPLSR	0+1+4+5 Case No.
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)						
Ant 0+1	Right Cheek	0.413	0.813	0.083	0.122	0.094	0.314	1.623	1.662	1.634	0.04	Case10	0.04	Case11	0.04	Case12
	Right Tilted	0.265	0.849	0.011	0.160	0.129	0.147	1.272	1.421	1.390						
	Left Cheek	0.571	0.468	0.047	0.320	0.247	0.277	1.363	1.636	1.563			0.04	Case13		
	Left Tilted	0.308	0.559	0.001	0.269	0.341	0.277	1.145	1.413	1.485						
Ant 0+2	Right Cheek	0.413	0.789	0.083	0.122	0.094	0.314	1.599	1.638	1.610	0.04	Case14	0.04	Case15	0.04	Case16
	Right Tilted	0.265	0.302	0.011	0.160	0.129	0.147	0.725	0.874	0.843						
	Left Cheek	0.571	0.324	0.047	0.320	0.247	0.277	1.219	1.492	1.419						
	Left Tilted	0.308	0.356	0.001	0.269	0.341	0.277	0.942	1.210	1.282						
Ant 0+5	Right Cheek	0.413	0.311	0.083	0.122	0.094	0.314	1.121	1.160	1.132						
	Right Tilted	0.265	0.131	0.011	0.160	0.129	0.147	0.554	0.703	0.672						
	Left Cheek	0.571	0.527	0.047	0.320	0.247	0.277	1.422	1.695	1.622			0.04	Case17	0.04	Case18
	Left Tilted	0.308	0.181	0.001	0.269	0.341	0.277	0.767	1.035	1.107						
Ant 0+7	Right Cheek	0.413	0.500	0.083	0.122	0.094	0.314	1.310	1.349	1.321						
	Right Tilted	0.265	0.080	0.011	0.160	0.129	0.147	0.503	0.652	0.621						
	Left Cheek	0.571	0.132	0.047	0.320	0.247	0.277	1.027	1.300	1.227						
	Left Tilted	0.308	0.038	0.001	0.269	0.341	0.277	0.624	0.892	0.964						
Ant 1+2	Right Cheek	0.813	0.789	0.083	0.122	0.094	0.314	1.999	2.038	2.010	0.04	Case19	0.04	Case19	0.04	Case19
	Right Tilted	0.849	0.302	0.011	0.160	0.129	0.147	1.309	1.458	1.427						
	Left Cheek	0.468	0.324	0.047	0.320	0.247	0.277	1.116	1.389	1.316						
	Left Tilted	0.559	0.356	0.001	0.269	0.341	0.277	1.193	1.461	1.533						
Ant 1+6	Right Cheek	0.813	0.252	0.083	0.122	0.094	0.314	1.462	1.501	1.473						
	Right Tilted	0.849	0.265	0.011	0.160	0.129	0.147	1.272	1.421	1.390						
	Left Cheek	0.468	0.620	0.047	0.320	0.247	0.277	1.412	1.685	1.612			0.04	Case20	0.04	Case21
	Left Tilted	0.559	0.193	0.001	0.269	0.341	0.277	1.030	1.298	1.370						
Ant 1+7	Right Cheek	0.813	0.500	0.083	0.122	0.094	0.314	1.710	1.749	1.721	0.04	Case19	0.04	Case19	0.04	Case19
	Right Tilted	0.849	0.080	0.011	0.160	0.129	0.147	1.087	1.236	1.205						
	Left Cheek	0.468	0.132	0.047	0.320	0.247	0.277	0.924	1.197	1.124						
	Left Tilted	0.559	0.038	0.001	0.269	0.341	0.277	0.875	1.143	1.215						
Ant 2+5	Right Cheek	0.789	0.311	0.083	0.122	0.094	0.314	1.497	1.536	1.508						
	Right Tilted	0.302	0.131	0.011	0.160	0.129	0.147	0.591	0.740	0.709						
	Left Cheek	0.324	0.527	0.047	0.320	0.247	0.277	1.175	1.448	1.375						
	Left Tilted	0.356	0.181	0.001	0.269	0.341	0.277	0.815	1.083	1.155						
Ant 2+6	Right Cheek	0.789	0.252	0.083	0.122	0.094	0.314	1.438	1.477	1.449						
	Right Tilted	0.302	0.265	0.011	0.160	0.129	0.147	0.725	0.874	0.843						
	Left Cheek	0.324	0.620	0.047	0.320	0.247	0.277	1.268	1.541	1.468						
	Left Tilted	0.356	0.193	0.001	0.269	0.341	0.277	0.827	1.095	1.167						
Ant 5+6	Right Cheek	0.311	0.252	0.083	0.122	0.094	0.314	0.960	0.999	0.971						
	Right Tilted	0.131	0.265	0.011	0.160	0.129	0.147	0.554	0.703	0.672						
	Left Cheek	0.527	0.620	0.047	0.320	0.247	0.277	1.471	1.744	1.671			0.03	Case23	0.03	Case24
	Left Tilted	0.181	0.193	0.001	0.269	0.341	0.277	0.652	0.920	0.992						
Ant 5+7	Right Cheek	0.311	0.500	0.083	0.122	0.094	0.314	1.208	1.247	1.219						
	Right Tilted	0.131	0.080	0.011	0.160	0.129	0.147	0.369	0.518	0.487						
	Left Cheek	0.527	0.132	0.047	0.320	0.247	0.277	0.983	1.256	1.183						
	Left Tilted	0.181	0.038	0.001	0.269	0.341	0.277	0.497	0.765	0.837						
Ant 6+7	Right Cheek	0.252	0.500	0.083	0.122	0.094	0.314	1.149	1.188	1.160						
	Right Tilted	0.265	0.080	0.011	0.160	0.129	0.147	0.503	0.652	0.621						
	Left Cheek	0.620	0.132	0.047	0.320	0.247	0.277	1.076	1.349	1.276						
	Left Tilted	0.193	0.038	0.001	0.269	0.341	0.277	0.509	0.777	0.849						



F.4 Hotspot Sim-Tx analysis

<WWAN Index7>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	Max Ant 7	Ant 0+1 Summed 1g SAR (W/kg)	Ant 0+2 Summed 1g SAR (W/kg)	Ant 0+5 Summed 1g SAR (W/kg)	Ant 0+7 Summed 1g SAR (W/kg)	Ant 1+2 Summed 1g SAR (W/kg)	Ant 1+5 Summed 1g SAR (W/kg)	Ant 1+6 Summed 1g SAR (W/kg)	Ant 1+7 Summed 1g SAR (W/kg)	Ant 2+5 Summed 1g SAR (W/kg)	Ant 2+6 Summed 1g SAR (W/kg)	Ant 5+6 Summed 1g SAR (W/kg)	Ant 5+7 Summed 1g SAR (W/kg)	Ant 6+7 Summed 1g SAR (W/kg)
	WWAN	WWAN	WWAN	WWAN	WWAN	WWAN	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
Front at 10mm -	0.678	0.417	0.552	0.329	0.389	0.481	1.095	1.230	1.007	1.159	0.969	0.746	0.806	0.898	0.881	0.941	0.718	0.810	0.870
Back at 10mm -	0.761	0.596	0.548	0.397	0.342	0.361	1.357	1.309	1.158	1.122	1.144	0.993	0.938	0.957	0.945	0.890	0.739	0.758	0.703
Left side at 10mm -	0.709	0.458	0.103	0.012	0.840	0.078	1.167	0.812	0.721	0.787	0.561	0.470	1.298	0.536	0.115	0.943	0.852	0.090	0.918
Right side at 10mm -	0.373	0.322	0.760	0.658	0.038	0.463	0.695	1.133	1.031	0.836	1.082	0.980	0.360	0.785	1.418	0.798	0.696	1.121	0.501
Top side at 10mm -		0.815		0.060			0.815		0.060		0.815	0.875	0.815	0.815	0.060		0.060	0.060	
Bottom side at 10mm -	0.847		0.290		0.237	0.731	0.847	1.137	0.847	1.578	0.290		0.237	0.731	0.290	0.527	0.237	0.731	0.968

<WWAN Index4, WLAN Index7>

WWAN Band	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+1+3 Summed 1g SAR (W/kg)	0+1+4 Summed 1g SAR (W/kg)	0+1+5 Summed 1g SAR (W/kg)	SPLSR	Case No.
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
Ant 0+1	Front	0.678	0.417	0.109	0.368	0.344	0.179	1.204	1.463	1.439	1.274		
	Back	0.761	0.596	0.142	0.288	0.258	0.249	1.499	1.645	1.615	1.606	0.03	Case25
	Left side	0.709	0.458	0.342	0.001	0.208	0.246	1.509	1.168	1.375	1.413		
	Right side	0.373	0.322	0.004	0.106	0.101	0.262	0.699	0.801	0.796	0.957		
	Top side		0.815	0.016	0.695	0.672	0.247	0.831	1.510	1.487	1.062		
	Bottom side	0.847						0.847	0.847	0.847	0.847		
Ant 0+2	Front	0.678	0.552	0.109	0.368	0.344	0.179	1.339	1.598	1.574	1.409	0.03	Case26
	Back	0.761	0.548	0.142	0.288	0.258	0.249	1.451	1.597	1.567	1.558	0.04	Case27
	Left side	0.709	0.103	0.342	0.001	0.208	0.246	1.154	0.813	1.020	1.058		
	Right side	0.373	0.760	0.004	0.106	0.101	0.262	1.137	1.239	1.234	1.395		
	Top side			0.016	0.695	0.672	0.247	0.016	0.695	0.672	0.247		
	Bottom side	0.847	0.290					1.137	1.137	1.137	1.137		
Ant 0+5	Front	0.678	0.329	0.109	0.368	0.344	0.179	1.116	1.375	1.351	1.186		
	Back	0.761	0.397	0.142	0.288	0.258	0.249	1.300	1.446	1.416	1.407		
	Left side	0.709	0.012	0.342	0.001	0.208	0.246	1.063	0.722	0.929	0.967		
	Right side	0.373	0.658	0.004	0.106	0.101	0.262	1.035	1.137	1.132	1.293		
	Top side		0.060	0.016	0.695	0.672	0.247	0.076	0.755	0.732	0.307		
	Bottom side	0.847						0.847	0.847	0.847	0.847		
Ant 0+7	Front	0.678	0.481	0.109	0.368	0.344	0.179	1.268	1.527	1.503	1.338		
	Back	0.761	0.361	0.142	0.288	0.258	0.249	1.264	1.410	1.380	1.371		
	Left side	0.709	0.078	0.342	0.001	0.208	0.246	1.129	0.788	0.995	1.033		
	Right side	0.373	0.463	0.004	0.106	0.101	0.262	0.840	0.942	0.937	1.098		
	Top side			0.016	0.695	0.672	0.247	0.016	0.695	0.672	0.247		
	Bottom side	0.847	0.731					1.578	1.578	1.578	1.578		
Ant 1+2	Front	0.417	0.552	0.109	0.368	0.344	0.179	1.078	1.337	1.313	1.148		
	Back	0.596	0.548	0.142	0.288	0.258	0.249	1.286	1.432	1.402	1.393		
	Left side	0.458	0.103	0.342	0.001	0.208	0.246	0.903	0.562	0.769	0.807		
	Right side	0.322	0.760	0.004	0.106	0.101	0.262	1.086	1.188	1.183	1.344		
	Top side	0.815		0.016	0.695	0.672	0.247	0.831	1.510	1.487	1.062		
	Bottom side		0.290					0.290	0.290	0.290	0.290		
Ant 1+6	Front	0.417	0.389	0.109	0.368	0.344	0.179	0.915	1.174	1.150	0.985		
	Back	0.596	0.342	0.142	0.288	0.258	0.249	1.080	1.226	1.196	1.187		
	Left side	0.458	0.840	0.342	0.001	0.208	0.246	1.640	1.299	1.506	1.544	0.03	Case28
	Right side	0.322	0.038	0.004	0.106	0.101	0.262	0.364	0.466	0.461	0.622		
	Top side	0.815		0.016	0.695	0.672	0.247	0.831	1.510	1.487	1.062		
	Bottom side												



	Bottom side		0.237					0.237	0.237	0.237	0.237		
Ant 1+7	Front	0.417	0.481	0.109	0.368	0.344	0.179	1.007	1.266	1.242	1.077		
	Back	0.596	0.361	0.142	0.288	0.258	0.249	1.099	1.245	1.215	1.206		
	Left side	0.458	0.078	0.342	0.001	0.208	0.246	0.878	0.537	0.744	0.782		
	Right side	0.322	0.463	0.004	0.106	0.101	0.262	0.789	0.891	0.886	1.047		
	Top side	0.815		0.016	0.695	0.672	0.247	0.831	1.510	1.487	1.062		
	Bottom side		0.731					0.731	0.731	0.731	0.731		
Ant 2+5	Front	0.552	0.329	0.109	0.368	0.344	0.179	0.990	1.249	1.225	1.060		
	Back	0.548	0.397	0.142	0.288	0.258	0.249	1.087	1.233	1.203	1.194		
	Left side	0.103	0.012	0.342	0.001	0.208	0.246	0.457	0.116	0.323	0.361		
	Right side	0.760	0.658	0.004	0.106	0.101	0.262	1.422	1.524	1.519	1.680	0.03	Case29
	Top side		0.060	0.016	0.695	0.672	0.247	0.076	0.755	0.732	0.307		
	Bottom side	0.290						0.290	0.290	0.290	0.290		
Ant 2+6	Front	0.552	0.389	0.109	0.368	0.344	0.179	1.050	1.309	1.285	1.120		
	Back	0.548	0.342	0.142	0.288	0.258	0.249	1.032	1.178	1.148	1.139		
	Left side	0.103	0.840	0.342	0.001	0.208	0.246	1.285	0.944	1.151	1.189		
	Right side	0.760	0.038	0.004	0.106	0.101	0.262	0.802	0.904	0.899	1.060		
	Top side			0.016	0.695	0.672	0.247	0.016	0.695	0.672	0.247		
	Bottom side	0.290	0.237					0.527	0.527	0.527	0.527		
Ant 5+6	Front	0.329	0.389	0.109	0.368	0.344	0.179	0.827	1.086	1.062	0.897		
	Back	0.397	0.342	0.142	0.288	0.258	0.249	0.881	1.027	0.997	0.988		
	Left side	0.012	0.840	0.342	0.001	0.208	0.246	1.194	0.853	1.060	1.098		
	Right side	0.658	0.038	0.004	0.106	0.101	0.262	0.700	0.802	0.797	0.958		
	Top side	0.060		0.016	0.695	0.672	0.247	0.076	0.755	0.732	0.307		
	Bottom side		0.237					0.237	0.237	0.237	0.237		
Ant 5+7	Front	0.329	0.481	0.109	0.368	0.344	0.179	0.919	1.178	1.154	0.989		
	Back	0.397	0.361	0.142	0.288	0.258	0.249	0.900	1.046	1.016	1.007		
	Left side	0.012	0.078	0.342	0.001	0.208	0.246	0.432	0.091	0.298	0.336		
	Right side	0.658	0.463	0.004	0.106	0.101	0.262	1.125	1.227	1.222	1.383		
	Top side	0.060		0.016	0.695	0.672	0.247	0.076	0.755	0.732	0.307		
	Bottom side		0.731					0.731	0.731	0.731	0.731		
Ant 6+7	Front	0.389	0.481	0.109	0.368	0.344	0.179	0.979	1.238	1.214	1.049		
	Back	0.342	0.361	0.142	0.288	0.258	0.249	0.845	0.991	0.961	0.952		
	Left side	0.840	0.078	0.342	0.001	0.208	0.246	1.260	0.919	1.126	1.164		
	Right side	0.038	0.463	0.004	0.106	0.101	0.262	0.505	0.607	0.602	0.763		
	Top side			0.016	0.695	0.672	0.247	0.016	0.695	0.672	0.247		
	Bottom side	0.237	0.731					0.968	0.968	0.968	0.968		



<WWAN Index4, WLAN Index8>

WWAN Band	Exposure Position	0	1	2	3	4	5	0+1+2+5 Summed 1g SAR (W/kg)	0+1+3+5 Summed 1g SAR (W/kg)	0+1+4+5 Summed 1g SAR (W/kg)	0+1+2+5 SPLSR	0+1+2+5 Case No.	0+1+3+5 SPLSR	0+1+3+5 Case No.	0+1+4+5 SPLSR	0+1+4+5 Case No.
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)									
Ant 0+1	Front	0.678	0.417	0.048	0.204	0.210	0.179	1.322	1.478	1.484						
	Back	0.761	0.596	0.063	0.165	0.157	0.249	1.669	1.771	1.763	0.04	Case30	0.04	Case30	0.04	Case30
	Left side	0.709	0.458	0.171	0.001	0.163	0.246	1.584	1.414	1.576						
	Right side	0.373	0.322	0.001	0.052	0.060	0.262	0.958	1.009	1.017						
	Top side		0.815	0.008	0.359	0.377	0.247	1.070	1.421	1.439						
	Bottom side	0.847						0.847	0.847	0.847						
Ant 0+2	Front	0.678	0.552	0.048	0.204	0.210	0.179	1.457	1.613	1.619			0.04	Case31	0.04	Case31
	Back	0.761	0.548	0.063	0.165	0.157	0.249	1.621	1.723	1.715	0.04	Case32	0.04	Case33	0.02	Case34
	Left side	0.709	0.103	0.171	0.001	0.163	0.246	1.229	1.059	1.221						
	Right side	0.373	0.760	0.001	0.052	0.060	0.262	1.396	1.447	1.455						
	Top side			0.008	0.359	0.377	0.247	0.255	0.606	0.624						
	Bottom side	0.847	0.290					1.137	1.137	1.137						
Ant 0+5	Front	0.678	0.329	0.048	0.204	0.210	0.179	1.234	1.390	1.396						
	Back	0.761	0.397	0.063	0.165	0.157	0.249	1.470	1.572	1.564						
	Left side	0.709	0.012	0.171	0.001	0.163	0.246	1.138	0.968	1.130						
	Right side	0.373	0.658	0.001	0.052	0.060	0.262	1.294	1.345	1.353						
	Top side		0.060	0.008	0.359	0.377	0.247	0.315	0.666	0.684						
	Bottom side	0.847						0.847	0.847	0.847						
Ant 0+7	Front	0.678	0.481	0.048	0.204	0.210	0.179	1.386	1.542	1.548						
	Back	0.761	0.361	0.063	0.165	0.157	0.249	1.434	1.536	1.528						
	Left side	0.709	0.078	0.171	0.001	0.163	0.246	1.204	1.034	1.196						
	Right side	0.373	0.463	0.001	0.052	0.060	0.262	1.099	1.150	1.158						
	Top side			0.008	0.359	0.377	0.247	0.255	0.606	0.624						
	Bottom side	0.847	0.731					1.578	1.578	1.578						
Ant 1+2	Front	0.417	0.552	0.048	0.204	0.210	0.179	1.196	1.352	1.358						
	Back	0.596	0.548	0.063	0.165	0.157	0.249	1.456	1.558	1.550						
	Left side	0.458	0.103	0.171	0.001	0.163	0.246	0.978	0.808	0.970						
	Right side	0.322	0.760	0.001	0.052	0.060	0.262	1.345	1.396	1.404						
	Top side	0.815		0.008	0.359	0.377	0.247	1.070	1.421	1.439						
	Bottom side		0.290					0.290	0.290	0.290						
Ant 1+6	Front	0.417	0.389	0.048	0.204	0.210	0.179	1.033	1.189	1.195						
	Back	0.596	0.342	0.063	0.165	0.157	0.249	1.250	1.352	1.344						
	Left side	0.458	0.840	0.171	0.001	0.163	0.246	1.715	1.545	1.707	0.03	Case35			0.03	Case35
	Right side	0.322	0.038	0.001	0.052	0.060	0.262	0.623	0.674	0.682						
	Top side	0.815		0.008	0.359	0.377	0.247	1.070	1.421	1.439						
	Bottom side		0.237					0.237	0.237	0.237						
Ant 1+7	Front	0.417	0.481	0.048	0.204	0.210	0.179	1.125	1.281	1.287						
	Back	0.596	0.361	0.063	0.165	0.157	0.249	1.269	1.371	1.363						
	Left side	0.458	0.078	0.171	0.001	0.163	0.246	0.953	0.783	0.945						
	Right side	0.322	0.463	0.001	0.052	0.060	0.262	1.048	1.099	1.107						
	Top side	0.815		0.008	0.359	0.377	0.247	1.070	1.421	1.439						
	Bottom side		0.731					0.731	0.731	0.731						
Ant 2+5	Front	0.552	0.329	0.048	0.204	0.210	0.179	1.108	1.264	1.270						
	Back	0.548	0.397	0.063	0.165	0.157	0.249	1.257	1.359	1.351						
	Left side	0.103	0.012	0.171	0.001	0.163	0.246	0.532	0.362	0.524						
	Right side	0.760	0.658	0.001	0.052	0.060	0.262	1.681	1.732	1.740	0.03	Case36	0.03	Case36	0.03	Case36
	Top side		0.060	0.008	0.359	0.377	0.247	0.315	0.666	0.684						
	Bottom side	0.290						0.290	0.290	0.290						
Ant 2+6	Front	0.552	0.389	0.048	0.204	0.210	0.179	1.168	1.324	1.330						
	Back	0.548	0.342	0.063	0.165	0.157	0.249	1.202	1.304	1.296						
	Left side	0.103	0.840	0.171	0.001	0.163	0.246	1.360	1.190	1.352						



	Right side	0.760	0.038	0.001	0.052	0.060	0.262	1.061	1.112	1.120								
	Top side			0.008	0.359	0.377	0.247	0.255	0.606	0.624								
	Bottom side	0.290	0.237					0.527	0.527	0.527								
Ant 5+6	Front	0.329	0.389	0.048	0.204	0.210	0.179	0.945	1.101	1.107								
	Back	0.397	0.342	0.063	0.165	0.157	0.249	1.051	1.153	1.145								
	Left side	0.012	0.840	0.171	0.001	0.163	0.246	1.269	1.099	1.261								
	Right side	0.658	0.038	0.001	0.052	0.060	0.262	0.959	1.010	1.018								
	Top side	0.060		0.008	0.359	0.377	0.247	0.315	0.666	0.684								
	Bottom side		0.237					0.237	0.237	0.237								
Ant 5+7	Front	0.329	0.481	0.048	0.204	0.210	0.179	1.037	1.193	1.199								
	Back	0.397	0.361	0.063	0.165	0.157	0.249	1.070	1.172	1.164								
	Left side	0.012	0.078	0.171	0.001	0.163	0.246	0.507	0.337	0.499								
	Right side	0.658	0.463	0.001	0.052	0.060	0.262	1.384	1.435	1.443								
	Top side	0.060		0.008	0.359	0.377	0.247	0.315	0.666	0.684								
	Bottom side		0.731					0.731	0.731	0.731								
Ant 6+7	Front	0.389	0.481	0.048	0.204	0.210	0.179	1.097	1.253	1.259								
	Back	0.342	0.361	0.063	0.165	0.157	0.249	1.015	1.117	1.109								
	Left side	0.840	0.078	0.171	0.001	0.163	0.246	1.335	1.165	1.327								
	Right side	0.038	0.463	0.001	0.052	0.060	0.262	0.764	0.815	0.823								
	Top side			0.008	0.359	0.377	0.247	0.255	0.606	0.624								
	Bottom side	0.237	0.731					0.968	0.968	0.968								

<WWAN Index4, WLAN Index9, BT Index3,4>

WWAN Band	Exposure Position	0	1	2	3	4	5	6	7	8	0+1+5+6 Summed 1g SAR (W/kg)	0+1+5+7 Summed 1g SAR (W/kg)	0+1+5+8 Summed 1g SAR (W/kg)	0+1+5+6 SPLSR	0+1+5+6 Case No.	0+1+5+7 SPLSR	0+1+5+7 Case No.	0+1+5+8 SPLSR	0+1+5+8 Case No.	
		Maximum WWAN	Maximum WWAN	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5/6GHz Ant 3+4	Bluetooth Ant 3	Bluetooth Ant 4	Bluetooth Ant 3+4										1g SAR (W/kg)
Ant 0+1	Front	0.678	0.417	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.316	1.467	1.468							
	Back	0.761	0.596	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.661	1.747	1.720	0.04	Case37	0.04	Case37	0.04	Case37	
	Left side	0.709	0.458	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.555	1.414	1.515							
	Right side	0.373	0.322	0.004	0.106	0.101	0.262	0.001	0.044	0.037	0.958	1.001	0.994							
	Top side		0.815	0.016	0.695	0.672	0.247	0.003	0.298	0.333	1.065	1.360	1.395							
	Bottom side	0.847									0.847	0.847	0.847							
Ant 0+2	Front	0.678	0.552	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.451	1.602	1.603			0.03	Case38	0.03	Case38	
	Back	0.761	0.548	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.613	1.699	1.672	0.04	Case39	0.02	Case40	0.02	Case41	
	Left side	0.709	0.103	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.200	1.059	1.160							
	Right side	0.373	0.760	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.396	1.439	1.432							
	Top side			0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.250	0.545	0.580							
	Bottom side	0.847	0.290								1.137	1.137	1.137							
Ant 0+5	Front	0.678	0.329	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.228	1.379	1.380							
	Back	0.761	0.397	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.462	1.548	1.521							
	Left side	0.709	0.012	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.109	0.968	1.069							
	Right side	0.373	0.658	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.294	1.337	1.330							
	Top side		0.060	0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.310	0.605	0.640							
	Bottom side	0.847									0.847	0.847	0.847							
Ant 0+7	Front	0.678	0.481	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.380	1.531	1.532							
	Back	0.761	0.361	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.426	1.512	1.485							
	Left side	0.709	0.078	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.175	1.034	1.135							
	Right side	0.373	0.463	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.099	1.142	1.135							
	Top side			0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.250	0.545	0.580							
	Bottom side	0.847	0.731								1.578	1.578	1.578							
	Front	0.417	0.552	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.190	1.341	1.342							



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Ant 1+2	Back	0.596	0.548	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.448	1.534	1.507						
	Left side	0.458	0.103	0.342	0.001	0.208	0.246	0.142	0.001	0.102	0.949	0.808	0.909						
	Right side	0.322	0.760	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.345	1.388	1.381						
	Top side	0.815		0.016	0.695	0.672	0.247	0.003	0.298	0.333	1.065	1.360	1.395						
	Bottom side		0.290								0.290	0.290	0.290						
Ant 1+6	Front	0.417	0.389	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.027	1.178	1.179						
	Back	0.596	0.342	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.242	1.328	1.301						
	Left side	0.458	0.840	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.686	1.545	1.646	0.03	Case42			0.03	Case42
	Right side	0.322	0.038	0.004	0.106	0.101	0.262	0.001	0.044	0.037	0.623	0.666	0.659						
	Top side	0.815		0.016	0.695	0.672	0.247	0.003	0.298	0.333	1.065	1.360	1.395						
	Bottom side		0.237								0.237	0.237	0.237						
Ant 1+7	Front	0.417	0.481	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.119	1.270	1.271						
	Back	0.596	0.361	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.261	1.347	1.320						
	Left side	0.458	0.078	0.342	0.001	0.208	0.246	0.142	0.001	0.102	0.924	0.783	0.884						
	Right side	0.322	0.463	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.048	1.091	1.084						
	Top side	0.815		0.016	0.695	0.672	0.247	0.003	0.298	0.333	1.065	1.360	1.395						
	Bottom side		0.731								0.731	0.731	0.731						
Ant 2+5	Front	0.552	0.329	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.102	1.253	1.254						
	Back	0.548	0.397	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.249	1.335	1.308						
	Left side	0.103	0.012	0.342	0.001	0.208	0.246	0.142	0.001	0.102	0.503	0.362	0.463						
	Right side	0.760	0.658	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.681	1.724	1.717	0.03	Case43	0.03	Case43	0.03	Case43
	Top side		0.060	0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.310	0.605	0.640						
	Bottom side	0.290									0.290	0.290	0.290						
Ant 2+6	Front	0.552	0.389	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.162	1.313	1.314						
	Back	0.548	0.342	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.194	1.280	1.253						
	Left side	0.103	0.840	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.331	1.190	1.291						
	Right side	0.760	0.038	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.061	1.104	1.097						
	Top side			0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.250	0.545	0.580						
	Bottom side	0.290	0.237								0.527	0.527	0.527						
Ant 5+6	Front	0.329	0.389	0.109	0.370	0.348	0.179	0.042	0.193	0.194	0.939	1.090	1.091						
	Back	0.397	0.342	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.043	1.129	1.102						
	Left side	0.012	0.840	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.240	1.099	1.200						
	Right side	0.658	0.038	0.004	0.106	0.101	0.262	0.001	0.044	0.037	0.959	1.002	0.995						
	Top side	0.060		0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.310	0.605	0.640						
	Bottom side		0.237								0.237	0.237	0.237						
Ant 5+7	Front	0.329	0.481	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.031	1.182	1.183						
	Back	0.397	0.361	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.062	1.148	1.121						
	Left side	0.012	0.078	0.342	0.001	0.208	0.246	0.142	0.001	0.102	0.478	0.337	0.438						
	Right side	0.658	0.463	0.004	0.106	0.101	0.262	0.001	0.044	0.037	1.384	1.427	1.420						
	Top side	0.060		0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.310	0.605	0.640						
	Bottom side		0.731								0.731	0.731	0.731						
Ant 6+7	Front	0.389	0.481	0.109	0.370	0.348	0.179	0.042	0.193	0.194	1.091	1.242	1.243						
	Back	0.342	0.361	0.163	0.288	0.258	0.249	0.055	0.141	0.114	1.007	1.093	1.066						
	Left side	0.840	0.078	0.342	0.001	0.208	0.246	0.142	0.001	0.102	1.306	1.165	1.266						
	Right side	0.038	0.463	0.004	0.106	0.101	0.262	0.001	0.044	0.037	0.764	0.807	0.800						
	Top side			0.016	0.695	0.672	0.247	0.003	0.298	0.333	0.250	0.545	0.580						
	Bottom side	0.237	0.731								0.968	0.968	0.968						



F.5 Body-worn Sim-Tx analysis

<WLAN Index5/6, BT index 3>

Exposure Position	1	2	3	4	5	6	7	1+4 Summed 1g SAR (W/kg)	2+4 Summed 1g SAR (W/kg)	3+4 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	4+7 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3+4 1g SAR (W/kg)						
Front	0.196	0.687	0.557	0.283	0.042	0.193	0.194	0.479	0.970	0.840	0.325	0.476	0.477
Back	0.266	0.488	0.437	0.353	0.076	0.141	0.114	0.619	0.841	0.790	0.429	0.494	0.467

<WWAN Index5>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	Max Ant 7	Ant 0+1 Summed 1g SAR (W/kg)	Ant 0+2 Summed 1g SAR (W/kg)	Ant 0+5 Summed 1g SAR (W/kg)	Ant 0+7 Summed 1g SAR (W/kg)	Ant 1+2 Summed 1g SAR (W/kg)	Ant 1+5 Summed 1g SAR (W/kg)	Ant 1+6 Summed 1g SAR (W/kg)	Ant 1+7 Summed 1g SAR (W/kg)	Ant 2+5 Summed 1g SAR (W/kg)	Ant 2+6 Summed 1g SAR (W/kg)	Ant 5+6 Summed 1g SAR (W/kg)	Ant 5+7 Summed 1g SAR (W/kg)	Ant 6+7 Summed 1g SAR (W/kg)	SPLSR	Case No
	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)	WWAN 1g SAR (W/kg)
Front at 10mm	0.994	0.530	0.727	0.443	0.778	0.596	1.524	1.721	1.437	1.590	1.257	0.973	1.308	1.126	1.170	1.505	1.221	1.039	1.374	0.040	Case44
Back at 10mm	0.945	0.596	0.643	0.543	0.480	0.458	1.541	1.588	1.488	1.403	1.239	1.139	1.076	1.054	1.186	1.123	1.023	1.001	0.938		



<WWAN Index6, WLAN Index7>

WWAN Band	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+1+3 Summed 1g SAR (W/kg)	0+1+4 Summed 1g SAR (W/kg)	0+1+5 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+1+3 SPLSR	0+1+3 Case No.	0+1+4 SPLSR	0+1+4 Case No.	0+1+5 SPLSR	0+1+5 Case No.
		Maximum WWAN	Maximum WWAN	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5/6GHz Ant 3+4												
Ant 0+1	Front	0.846	0.451	0.109	0.370	0.348	0.283	1.406	1.667	1.645	1.580			0.02	Case64	0.02	Case64		
	Back	0.805	0.596	0.163	0.288	0.258	0.264	1.564	1.689	1.659	1.665			0.04	Case65	0.04	Case65		
Ant 0+2	Front	0.846	0.619	0.109	0.370	0.348	0.283	1.574	1.835	1.813	1.748			0.02	Case66	0.02	Case67	0.02	Case68
	Back	0.805	0.548	0.163	0.288	0.258	0.264	1.516	1.641	1.611	1.617			0.02	Case69	0.03	Case70	0.02	Case71
Ant 0+5	Front	0.846	0.377	0.109	0.370	0.348	0.283	1.332	1.593	1.571	1.506								
	Back	0.805	0.462	0.163	0.288	0.258	0.264	1.430	1.555	1.525	1.531								
Ant 0+7	Front	0.846	0.507	0.109	0.370	0.348	0.283	1.462	1.723	1.701	1.636			0.02	Case72	0.02	Case73	0.02	Case74
	Back	0.805	0.390	0.163	0.288	0.258	0.264	1.358	1.483	1.453	1.459								
Ant 1+2	Front	0.451	0.619	0.109	0.370	0.348	0.283	1.179	1.440	1.418	1.353								
	Back	0.596	0.548	0.163	0.288	0.258	0.264	1.307	1.432	1.402	1.408								
Ant 1+6	Front	0.451	0.662	0.109	0.370	0.348	0.283	1.222	1.483	1.461	1.396								
	Back	0.596	0.409	0.163	0.288	0.258	0.264	1.168	1.293	1.263	1.269								
Ant 1+7	Front	0.451	0.507	0.109	0.370	0.348	0.283	1.067	1.328	1.306	1.241								
	Back	0.596	0.390	0.163	0.288	0.258	0.264	1.149	1.274	1.244	1.250								
Ant 2+5	Front	0.619	0.377	0.109	0.370	0.348	0.283	1.105	1.366	1.344	1.279								
	Back	0.548	0.462	0.163	0.288	0.258	0.264	1.173	1.298	1.268	1.274								
Ant 2+6	Front	0.619	0.662	0.109	0.370	0.348	0.283	1.390	1.651	1.629	1.564			0.02	Case75	0.02	Case75		
	Back	0.548	0.409	0.163	0.288	0.258	0.264	1.120	1.245	1.215	1.221								
Ant 5+6	Front	0.377	0.662	0.109	0.370	0.348	0.283	1.148	1.409	1.387	1.322								
	Back	0.462	0.409	0.163	0.288	0.258	0.264	1.034	1.159	1.129	1.135								
Ant 5+7	Front	0.377	0.507	0.109	0.370	0.348	0.283	0.993	1.254	1.232	1.167								
	Back	0.462	0.390	0.163	0.288	0.258	0.264	1.015	1.140	1.110	1.116								
Ant 6+7	Front	0.662	0.507	0.109	0.370	0.348	0.283	1.278	1.539	1.517	1.452								
	Back	0.409	0.390	0.163	0.288	0.258	0.264	0.962	1.087	1.057	1.063								



<WWAN Index6, WLAN Index8>

WWAN Band	Exposure Position	0	1	2	3	4	5	0+1+2+5 Summed 1g SAR (W/kg)	0+1+3+5 Summed 1g SAR (W/kg)	0+1+4+5 Summed 1g SAR (W/kg)	0+1+2+5 SPLSR	0+1+2+5 Case No.	0+1+3+5 SPLSR	0+1+3+5 Case No.	0+1+4+5 SPLSR	0+1+4+5 Case No.
		Maximum WWAN	Maximum WWAN	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5/6GHz Ant 3+4									
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
Ant 0+1	Front	0.846	0.451	0.048	0.204	0.223	0.283	1.628	1.784	1.803	0.02	Case76	0.02	Case76	0.02	Case76
	Back	0.805	0.596	0.087	0.165	0.157	0.264	1.752	1.830	1.822	0.03	Case77	0.03	Case77	0.03	Case77
Ant 0+2	Front	0.846	0.619	0.048	0.204	0.223	0.283	1.796	1.952	1.971	0.02	Case78	0.03	Case79	0.03	Case80
	Back	0.805	0.548	0.087	0.165	0.157	0.264	1.704	1.782	1.774	0.02	Case81	0.02	Case82	0.02	Case83
Ant 0+5	Front	0.846	0.377	0.048	0.204	0.223	0.283	1.554	1.710	1.729			0.02	Case84	0.02	Case84
	Back	0.805	0.462	0.087	0.165	0.157	0.264	1.618	1.696	1.688	0.02	Case85	0.02	Case85	0.02	Case85
Ant 0+7	Front	0.846	0.507	0.048	0.204	0.223	0.283	1.684	1.840	1.859	0.02	Case86	0.02	Case87	0.03	Case88
	Back	0.805	0.390	0.087	0.165	0.157	0.264	1.546	1.624	1.616			0.04	Case89	0.04	Case89
Ant 1+2	Front	0.451	0.619	0.048	0.204	0.223	0.283	1.401	1.557	1.576						
	Back	0.596	0.548	0.087	0.165	0.157	0.264	1.495	1.573	1.565						
Ant 1+6	Front	0.451	0.662	0.048	0.204	0.223	0.283	1.444	1.600	1.619			0.02	Case90	0.02	Case90
	Back	0.596	0.409	0.087	0.165	0.157	0.264	1.356	1.434	1.426						
Ant 1+7	Front	0.451	0.507	0.048	0.204	0.223	0.283	1.289	1.445	1.464						
	Back	0.596	0.390	0.087	0.165	0.157	0.264	1.337	1.415	1.407						
Ant 2+5	Front	0.619	0.377	0.048	0.204	0.223	0.283	1.327	1.483	1.502						
	Back	0.548	0.462	0.087	0.165	0.157	0.264	1.361	1.439	1.431						
Ant 2+6	Front	0.619	0.662	0.048	0.204	0.223	0.283	1.612	1.768	1.787	0.03	Case91	0.03	Case91	0.03	Case91
	Back	0.548	0.409	0.087	0.165	0.157	0.264	1.308	1.386	1.378						
Ant 5+6	Front	0.377	0.662	0.048	0.204	0.223	0.283	1.370	1.526	1.545						
	Back	0.462	0.409	0.087	0.165	0.157	0.264	1.222	1.300	1.292						
Ant 5+7	Front	0.377	0.507	0.048	0.204	0.223	0.283	1.215	1.371	1.390						
	Back	0.462	0.390	0.087	0.165	0.157	0.264	1.203	1.281	1.273						
Ant 6+7	Front	0.662	0.507	0.048	0.204	0.223	0.283	1.500	1.656	1.675			0.03	Case92	0.03	Case92
	Back	0.409	0.390	0.087	0.165	0.157	0.264	1.150	1.228	1.220						



<WWAN Index6, WLAN Index9, BT Index3,4>

WWAN Band	Exposure Position	0	1	5	6	7	8	0+1+5+6	0+1+5+7	0+1+5+8	0+1+5+6	0+1+5+6	0+1+5+7	0+1+5+7	0+1+5+8	0+1+5+8
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN5/6GHz Ant 3+4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3+4 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.
Ant 0+1	Front	0.846	0.451	0.283	0.042	0.193	0.194	1.622	1.773	1.774	0.02	Case93	0.02	Case93	0.02	Case93
	Back	0.805	0.596	0.264	0.076	0.141	0.114	1.741	1.806	1.779	0.02	Case94	0.02	Case94	0.02	Case94
Ant 0+2	Front	0.846	0.619	0.283	0.042	0.193	0.194	1.790	1.941	1.942	0.02	Case95	0.03	Case96	0.03	Case97
	Back	0.805	0.548	0.264	0.076	0.141	0.114	1.693	1.758	1.731	0.02	Case98	0.02	Case99	0.02	Case100
Ant 0+5	Front	0.846	0.377	0.283	0.042	0.193	0.194	1.548	1.699	1.700			0.02	Case101	0.02	Case101
	Back	0.805	0.462	0.264	0.076	0.141	0.114	1.607	1.672	1.645	0.02	Case102	0.02	Case102	0.02	Case102
Ant 0+7	Front	0.846	0.507	0.283	0.042	0.193	0.194	1.678	1.829	1.830	0.02	Case103	0.02	Case104	0.02	Case105
	Back	0.805	0.390	0.264	0.076	0.141	0.114	1.535	1.600	1.573			0.04	Case106		
Ant 1+2	Front	0.451	0.619	0.283	0.042	0.193	0.194	1.395	1.546	1.547						
	Back	0.596	0.548	0.264	0.076	0.141	0.114	1.484	1.549	1.522						
Ant 1+6	Front	0.451	0.662	0.283	0.042	0.193	0.194	1.438	1.589	1.590						
	Back	0.596	0.409	0.264	0.076	0.141	0.114	1.345	1.410	1.383						
Ant 1+7	Front	0.451	0.507	0.283	0.042	0.193	0.194	1.283	1.434	1.435						
	Back	0.596	0.390	0.264	0.076	0.141	0.114	1.326	1.391	1.364						
Ant 2+5	Front	0.619	0.377	0.283	0.042	0.193	0.194	1.321	1.472	1.473						
	Back	0.548	0.462	0.264	0.076	0.141	0.114	1.350	1.415	1.388						
Ant 2+6	Front	0.619	0.662	0.283	0.042	0.193	0.194	1.606	1.757	1.758	0.03	Case107	0.03	Case107	0.03	Case107
	Back	0.548	0.409	0.264	0.076	0.141	0.114	1.297	1.362	1.335						
Ant 5+6	Front	0.377	0.662	0.283	0.042	0.193	0.194	1.364	1.515	1.516						
	Back	0.462	0.409	0.264	0.076	0.141	0.114	1.211	1.276	1.249						
Ant 5+7	Front	0.377	0.507	0.283	0.042	0.193	0.194	1.209	1.360	1.361						
	Back	0.462	0.390	0.264	0.076	0.141	0.114	1.192	1.257	1.230						
Ant 6+7	Front	0.662	0.507	0.283	0.042	0.193	0.194	1.494	1.645	1.646			0.02	Case108	0.02	Case108
	Back	0.409	0.390	0.264	0.076	0.141	0.114	1.139	1.204	1.177						

F.6 Extremity Sim-Tx analysis

<WWAN, WLAN Index7/8/9>

Exposure Position	1	2	3	1+2+3 Summed 10g SAR (W/kg)
	WWAN	WLAN5/6GHz Ant 3+4	NFC	
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Front		1.124	0.001	1.125
Back		0.487	0.131	0.618
Left side		0.918	0.001	0.919
Right side		1.436	0.001	1.437
Top side		0.511	0.001	0.512
Bottom side	2.465		0.001	2.466



F.7 SAR Peak Location Distance and SPLSR analysis

<Case 1>

SPLSR calculation for antenna 1,2

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.927	53.7	-251.4	-174.6	78.8	1.88	0.03	Not required
WWAN_Ant 1	0.955	15.2	-320.2	-174.4				

<Case 2>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Exposure Position	WWAN SAR	WLAN5/GHz Ant. 4+3	Bluetooth Ant. 4	WCDMA V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Right Check	1g SAR (W/kg)			0.413	0.395	0.405	0.412	0.063	0.081	0.200	0.245	0.277	0.291	0.103	0.374	0.069	0.341	0.313	0.197	0.111	0.278
GSM850_Ant 1	0.802	0.314	0.092	1.621	1.603	1.613	1.620	1.271	1.289	1.408	1.453	1.485	1.499	1.311	1.582	1.277	1.549	1.521	1.405	1.319	1.486
WCDMA V_Ant 1	0.572	0.314	0.092	1.391	1.373	1.383	1.390	1.041	1.059	1.178	1.223	1.255	1.269	1.081	1.352	1.047	1.319	1.291	1.175	1.089	1.256
LTE Band 2_Ant 1	0.670	0.314	0.092	1.489	1.471	1.481	1.488	1.139	1.157	1.276	1.321	1.353	1.367	1.179	1.450	1.145	1.417	1.389	1.273	1.187	1.354
LTE Band 12_Ant 1	0.797	0.314	0.092	1.616	1.598	1.608	1.615	1.266	1.284	1.403	1.448	1.480	1.494	1.306	1.577	1.272	1.544	1.516	1.400	1.314	1.481
LTE Band 13_Ant 1	0.707	0.314	0.092	1.526	1.508	1.518	1.525	1.176	1.194	1.313	1.358	1.390	1.404	1.216	1.487	1.182	1.454	1.426	1.310	1.224	1.391
LTE Band 14_Ant 1	0.700	0.314	0.092	1.519	1.501	1.511	1.518	1.169	1.187	1.306	1.351	1.383	1.397	1.209	1.480	1.175	1.447	1.419	1.303	1.217	1.384
LTE Band 26_Ant 1	0.695	0.314	0.092	1.514	1.496	1.506	1.513	1.164	1.182	1.301	1.346	1.378	1.392	1.204	1.475	1.170	1.442	1.414	1.298	1.212	1.379
LTE Band 66_Ant 1	0.728	0.314	0.092	1.547	1.529	1.539	1.546	1.197	1.215	1.334	1.379	1.411	1.425	1.237	1.508	1.203	1.475	1.447	1.331	1.245	1.412
LTE Band 71_Ant 1	0.772	0.314	0.092	1.591	1.573	1.583	1.590	1.241	1.259	1.378	1.423	1.455	1.469	1.281	1.552	1.247	1.519	1.491	1.375	1.289	1.456
FR1 n2_Ant 1	0.677	0.314	0.092	1.496	1.478	1.488	1.495	1.146	1.164	1.283	1.328	1.360	1.374	1.186	1.457	1.152	1.424	1.396	1.280	1.194	1.361
FR1 n12_Ant 1	0.788	0.314	0.092	1.607	1.589	1.599	1.606	1.257	1.275	1.394	1.439	1.471	1.485	1.297	1.568	1.263	1.535	1.507	1.391	1.305	1.472
FR1 n26_Ant 1	0.662	0.314	0.092	1.481	1.463	1.473	1.480	1.131	1.149	1.268	1.313	1.345	1.359	1.171	1.442	1.137	1.409	1.381	1.265	1.179	1.346
FR1 n41_Ant 1	0.575	0.314	0.092	1.394	1.376	1.386	1.393	1.044	1.062	1.181	1.226	1.258	1.272	1.084	1.355	1.050	1.322	1.294	1.178	1.092	1.259
FR1 n48_Ant 1	0.813	0.314	0.092	1.632	1.614	1.624	1.631	1.282	1.300	1.419	1.464	1.496	1.510	1.322	1.593	1.288	1.560	1.532	1.416	1.330	1.497
FR1 n66_Ant 1	0.753	0.314	0.092	1.572	1.554	1.564	1.571	1.222	1.240	1.359	1.404	1.436	1.450	1.262	1.533	1.228	1.500	1.472	1.356	1.270	1.437
FR1 n71_Ant 1	0.801	0.314	0.092	1.620	1.602	1.612	1.619	1.270	1.288	1.407	1.452	1.484	1.498	1.310	1.581	1.276	1.548	1.520	1.404	1.318	1.485
FR1 n77_Ant 1	0.667	0.314	0.092	1.486	1.468	1.478	1.485	1.136	1.154	1.273	1.318	1.350	1.364	1.176	1.447	1.142	1.414	1.386	1.270	1.184	1.351

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.413	63.5	-280.6	-174.7	65.0	1.226	0.02	Not required
WWAN_Ant 1	0.813	14.6	-323.4	-174.3				
WWAN_Ant 0	0.413	59.9	-274.2	-175.3	67.0	0.689	0.01	Not required
BT Ant 4 + WLAN 5G Ant 4	0.276	-5.3	-288.1	-168.6				
WLAN 5G Ant 3	0.314	55.5	-318.2	-174.5	35.6	1.127	0.03	Not required
WWAN_Ant 1	0.813	22.9	-332.5	-174.4				
WLAN5G Ant 3	0.314	55.5	-318.2	-174.5	63.0	0.590	0.01	Not required
BT Ant 4 + WLAN 5G Ant 4	0.276	-4.3	-298.8	-170.3				
WWAN_Ant 1	0.813	14.6	-323.4	-174.3	31.3	1.089	0.04	Not required
BT Ant 4 + WLAN 5G Ant 4	0.276	-4.3	-298.8	-170.3				
WWAN_Ant 0	0.413	63.5	-280.6	-174.7	38.4	0.727	0.02	Not required
WLAN 5G Ant 3	0.314	55.5	-318.2	-174.5				



<Case 3>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Exposure Position	WWAN SAR	WLAN5/GHz Ant 4+3	Bluetooth Ant 4+3	WCDMA V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n28_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Right Cheek	1g SAR (W/kg)			0.413	0.395	0.405	0.412	0.063	0.081	0.200	0.245	0.277	0.291	0.103	0.374	0.069	0.341	0.313	0.197	0.111	0.278
GSM850_Ant 1	0.802	0.314	0.085	1.614	1.596	1.606	1.613	1.264	1.282	1.401	1.446	1.478	1.492	1.304	1.575	1.270	1.542	1.514	1.398	1.312	1.479
WCDMA V_Ant 1	0.572	0.314	0.085	1.384	1.366	1.376	1.383	1.034	1.052	1.171	1.216	1.248	1.262	1.074	1.345	1.040	1.312	1.284	1.168	1.082	1.249
LTE Band 2_Ant 1	0.670	0.314	0.085	1.482	1.464	1.474	1.481	1.132	1.150	1.269	1.314	1.346	1.360	1.172	1.443	1.138	1.410	1.382	1.266	1.180	1.347
LTE Band 12_Ant 1	0.797	0.314	0.085	1.609	1.591	1.601	1.608	1.259	1.277	1.396	1.441	1.473	1.487	1.299	1.570	1.265	1.537	1.509	1.393	1.307	1.474
LTE Band 13_Ant 1	0.707	0.314	0.085	1.519	1.501	1.511	1.518	1.169	1.187	1.306	1.351	1.383	1.397	1.209	1.480	1.175	1.447	1.419	1.303	1.217	1.384
LTE Band 14_Ant 1	0.700	0.314	0.085	1.512	1.494	1.504	1.511	1.162	1.180	1.299	1.344	1.376	1.390	1.202	1.473	1.168	1.440	1.412	1.296	1.210	1.377
LTE Band 26_Ant 1	0.695	0.314	0.085	1.507	1.489	1.499	1.506	1.157	1.175	1.294	1.339	1.371	1.385	1.197	1.468	1.163	1.435	1.407	1.291	1.205	1.372
LTE Band 66_Ant 1	0.728	0.314	0.085	1.540	1.522	1.532	1.539	1.190	1.208	1.327	1.372	1.404	1.418	1.230	1.501	1.196	1.468	1.440	1.324	1.238	1.405
LTE Band 71_Ant 1	0.772	0.314	0.085	1.584	1.566	1.576	1.583	1.234	1.252	1.371	1.416	1.448	1.462	1.274	1.545	1.240	1.512	1.484	1.368	1.282	1.449
FR1 n2_Ant 1	0.677	0.314	0.085	1.489	1.471	1.481	1.488	1.139	1.157	1.276	1.321	1.353	1.367	1.179	1.450	1.145	1.417	1.389	1.273	1.187	1.354
FR1 n12_Ant 1	0.788	0.314	0.085	1.600	1.582	1.592	1.599	1.250	1.268	1.387	1.432	1.464	1.478	1.290	1.561	1.256	1.528	1.500	1.384	1.298	1.465
FR1 n25_Ant 1	0.662	0.314	0.085	1.474	1.456	1.466	1.473	1.124	1.142	1.261	1.306	1.338	1.352	1.164	1.435	1.130	1.402	1.374	1.258	1.172	1.339
FR1 n41_Ant 1	0.575	0.314	0.085	1.387	1.369	1.379	1.386	1.037	1.055	1.174	1.219	1.251	1.265	1.077	1.348	1.043	1.315	1.287	1.171	1.085	1.252
FR1 n49_Ant 1	0.813	0.314	0.085	1.625	1.607	1.617	1.624	1.275	1.293	1.412	1.457	1.489	1.503	1.315	1.586	1.281	1.553	1.525	1.409	1.323	1.490
FR1 n66_Ant 1	0.753	0.314	0.085	1.565	1.547	1.557	1.564	1.215	1.233	1.352	1.397	1.429	1.443	1.255	1.526	1.221	1.493	1.465	1.349	1.263	1.430
FR1 n71_Ant 1	0.801	0.314	0.085	1.613	1.595	1.605	1.612	1.263	1.281	1.400	1.445	1.477	1.491	1.303	1.574	1.269	1.541	1.513	1.397	1.311	1.478
FR1 n77_Ant 1	0.667	0.314	0.085	1.479	1.461	1.471	1.478	1.129	1.147	1.266	1.311	1.343	1.357	1.169	1.440	1.135	1.407	1.379	1.263	1.177	1.344

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.413	63.5	-280.6	-174.7	65.0	1.226	0.02	Not required
WWAN_Ant 1	0.813	14.6	-323.4	-174.3				
WWAN_Ant 0	0.413	63.5	-280.6	-174.7				
BT Ant 3 + WLAN 5G Ant 3	0.343	55.5	-318.2	-174.5	38.4	0.756	0.02	Not required
WWAN_Ant 0	0.413	59.9	-274.2	-175.3				
BT Ant 4 + WLAN 5G Ant 4	0.269	-5.3	-288.1	-168.6	67.0	0.682	0.01	Not required
WWAN_Ant 1	0.813	22.9	-332.5	-174.4				
BT Ant 3 + WLAN 5G Ant 3	0.343	55.5	-318.2	-174.5				
WWAN_Ant 1	0.813	14.6	-323.4	-174.3	31.8	1.082	0.04	Not required
BT Ant 4 + WLAN 5G Ant 4	0.269	-5.3	-298.9	-170.1				
BT Ant 3 + WLAN 5G Ant 3	0.343	55.5	-318.2	-174.5	63.9	0.612	0.01	Not required
BT Ant 4 + WLAN 5G Ant 4	0.269	-5.3	-298.9	-170.1				



<Case 4>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Exposure Position	WWAN SAR	WLAN5/GHz Ant 4x3	Bluetooth Ant 4x3	GSM850 Ant 0	GSM190 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n25_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n42_Ant 0	FR1 n52_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0		
Right Cheek		1g SAR (W/kg)	0.349	0.077	0.175	0.215	0.413	0.301	0.246	0.395	0.405	0.133	0.412	0.063	0.081	0.200	0.245	0.277	0.291	0.103	0.374	0.069	0.341	0.313	0.197	0.111	0.278	
GSM1900_Ant 2	0.688	0.314	0.092	1.423	1.151	1.243	1.289	1.487	1.375	1.319	1.469	1.479	1.207	1.486	1.137	1.155	1.274	1.319	1.351	1.365	1.177	1.448	1.143	1.415	1.387	1.271	1.185	1.352
WCDMA II_Ant 2	0.789	0.314	0.092	1.544	1.272	1.370	1.410	1.608	1.496	1.440	1.590	1.600	1.328	1.607	1.258	1.276	1.395	1.440	1.472	1.486	1.298	1.569	1.264	1.536	1.508	1.392	1.306	1.473
WCDMA IV_Ant 2	0.726	0.314	0.092	1.481	1.209	1.307	1.347	1.545	1.433	1.377	1.527	1.537	1.265	1.544	1.195	1.213	1.332	1.377	1.409	1.423	1.235	1.506	1.201	1.473	1.445	1.329	1.243	1.410
LTE Band 7_Ant 2	0.680	0.314	0.092	1.435	1.163	1.261	1.301	1.499	1.387	1.331	1.481	1.491	1.219	1.498	1.149	1.167	1.286	1.331	1.363	1.377	1.189	1.460	1.155	1.427	1.399	1.283	1.197	1.364
LTE Band 12_Ant 2	0.786	0.314	0.092	1.541	1.289	1.387	1.427	1.625	1.493	1.437	1.587	1.597	1.325	1.604	1.255	1.273	1.392	1.437	1.469	1.483	1.295	1.566	1.261	1.533	1.505	1.389	1.303	1.470
LTE Band 13_Ant 2	0.647	0.314	0.092	1.402	1.130	1.228	1.268	1.466	1.354	1.298	1.448	1.458	1.186	1.465	1.116	1.134	1.253	1.298	1.330	1.344	1.156	1.427	1.122	1.394	1.366	1.250	1.164	1.331
LTE Band 14_Ant 2	0.788	0.314	0.092	1.543	1.271	1.369	1.409	1.607	1.495	1.439	1.589	1.599	1.327	1.606	1.257	1.275	1.394	1.439	1.471	1.485	1.297	1.568	1.263	1.535	1.507	1.391	1.305	1.472
LTE Band 25_Ant 2	0.781	0.314	0.092	1.536	1.264	1.362	1.402	1.600	1.488	1.432	1.582	1.592	1.320	1.599	1.250	1.268	1.387	1.432	1.464	1.478	1.280	1.561	1.258	1.528	1.500	1.384	1.298	1.465
LTE Band 26_Ant 2	0.780	0.314	0.092	1.535	1.263	1.361	1.401	1.599	1.487	1.431	1.581	1.591	1.319	1.598	1.249	1.267	1.386	1.431	1.463	1.477	1.280	1.560	1.255	1.527	1.499	1.383	1.297	1.464
FR1 n25_Ant 2	0.689	0.314	0.092	1.444	1.172	1.270	1.310	1.508	1.396	1.340	1.490	1.500	1.228	1.507	1.158	1.176	1.295	1.340	1.372	1.386	1.198	1.469	1.164	1.436	1.408	1.292	1.206	1.373
FR1 n38_Ant 2	0.677	0.314	0.092	1.432	1.160	1.258	1.298	1.496	1.384	1.328	1.478	1.488	1.216	1.495	1.146	1.164	1.283	1.328	1.360	1.374	1.186	1.457	1.152	1.424	1.396	1.280	1.194	1.361
FR1 n41_Ant 2	0.691	0.314	0.092	1.446	1.174	1.272	1.312	1.510	1.398	1.342	1.492	1.502	1.230	1.509	1.160	1.178	1.297	1.342	1.374	1.388	1.200	1.471	1.165	1.438	1.410	1.294	1.208	1.376
FR1 n42_Ant 2	0.705	0.314	0.092	1.460	1.188	1.286	1.326	1.524	1.412	1.356	1.506	1.516	1.244	1.523	1.174	1.192	1.311	1.356	1.388	1.402	1.214	1.486	1.180	1.452	1.424	1.308	1.222	1.389
FR1 n66_Ant 2	0.551	0.314	0.092	1.306	1.034	1.132	1.172	1.370	1.258	1.202	1.352	1.362	1.090	1.369	1.020	1.038	1.157	1.202	1.234	1.248	1.060	1.331	1.026	1.298	1.270	1.154	1.068	1.235

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 0+2 + WLAN Ant 3	1.516	55.5	-318.2	-174.5	63.0	1.792	0.04	Not required
BT Ant 4 + WLAN5G Ant 4	0.276	-4.3	-298.8	-170.3				

<Case 5>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Exposure Position	WWAN SAR	WLAN5/GHz Ant 4x3	Bluetooth Ant 4x3	GSM850 Ant 0	WCDMA V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n42_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Right Cheek		1g SAR (W/kg)	0.349	0.413	0.395	0.405	0.412	0.374	0.341	0.313	0.197	0.111	0.278			
GSM1900_Ant 2	0.688	0.314	0.085	1.416	1.480	1.462	1.472	1.479	1.441	1.136	1.408	1.380	1.264	1.179	1.345	
WCDMA II_Ant 2	0.789	0.314	0.085	1.537	1.691	1.583	1.593	1.600	1.562	1.257	1.529	1.501	1.385	1.299	1.466	
WCDMA IV_Ant 2	0.726	0.314	0.085	1.474	1.538	1.520	1.530	1.537	1.499	1.194	1.466	1.438	1.322	1.236	1.403	
LTE Band 7_Ant 2	0.680	0.314	0.085	1.428	1.492	1.474	1.484	1.491	1.453	1.148	1.420	1.392	1.276	1.190	1.357	
LTE Band 25_Ant 2	0.786	0.314	0.085	1.534	1.598	1.580	1.590	1.597	1.559	1.254	1.526	1.498	1.382	1.296	1.463	
LTE Band 30_Ant 2	0.647	0.314	0.085	1.395	1.459	1.441	1.451	1.458	1.420	1.115	1.387	1.359	1.243	1.157	1.324	
LTE Band 41_Ant 2	0.788	0.314	0.085	1.536	1.600	1.582	1.592	1.599	1.561	1.256	1.528	1.500	1.384	1.298	1.466	
LTE Band 66_Ant 2	0.781	0.314	0.085	1.529	1.593	1.575	1.585	1.592	1.554	1.249	1.521	1.493	1.377	1.291	1.458	
FR1 n25_Ant 2	0.780	0.314	0.085	1.528	1.592	1.574	1.584	1.591	1.553	1.248	1.520	1.492	1.376	1.290	1.457	
FR1 n38_Ant 2	0.689	0.314	0.085	1.437	1.501	1.483	1.493	1.500	1.462	1.157	1.429	1.401	1.285	1.199	1.366	
FR1 n41_Ant 2	0.677	0.314	0.085	1.425	1.489	1.471	1.481	1.488	1.450	1.145	1.417	1.389	1.273	1.187	1.354	
FR1 n42_Ant 2	0.691	0.314	0.085	1.439	1.503	1.485	1.495	1.502	1.464	1.159	1.431	1.403	1.287	1.201	1.368	
FR1 n66_Ant 2	0.705	0.314	0.085	1.453	1.517	1.499	1.509	1.516	1.478	1.173	1.445	1.417	1.301	1.215	1.382	
FR1 n70_Ant 2	0.551	0.314	0.085	1.299	1.363	1.345	1.355	1.362	1.324	1.019	1.291	1.263	1.147	1.061	1.228	

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 0+2 + WLAN Ant 3	1.545	56.9	-279.8	-176.0	63.2	1.944	0.04	Not required
BT Ant 4 + WLAN5G Ant 4	0.399	-5.3	-288.1	-168.6				

<Case 6>

Hybrid SPLSR calculation for antenna 2 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 2	0.789	53.7	-251.4	-174.6	66.8	2.01	0.04	Not required
WWAN Ant 1 + WLAN Ant 3+4	1.219	55.5	-318.2	-174.5				

<Case 7>

Hybrid SPLSR calculation for antenna 7 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 7	0.500	46.2	-243.3	-174.0	68.5	1.72	0.03	Not required
WWAN Ant 1 + WLAN Ant 3+4	1.219	-5.3	-288.1	-168.6				

<Case 8>

SAR summation (blue colored) for each band of antenna 3,4,5,6

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.605	0.499	0.620
LTE Band 2_Ant 5	0.527	0.277	0.201	1.610	1.504	1.625
LTE Band 66_Ant 5	0.519	0.277	0.201	1.602	1.496	1.617
FR1 n2_Ant 5	0.527	0.277	0.201	1.610	1.504	1.625
FR1 n41_Ant 5	0.521	0.277	0.201	1.604	1.498	1.619
FR1 n48_Ant 5	0.522	0.277	0.201	1.605	1.499	1.620
FR1 n66_Ant 5	0.525	0.277	0.201	1.608	1.502	1.623
FR1 n77_Ant 5	0.526	0.277	0.201	1.609	1.503	1.624

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.527	54.0	323.1	-174.3	80.5	1.147	0.02	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	63.8	0.720	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	23.0	1.005	0.04	Not required
BT Ant 4 + WLAN5G Ant 4	0.478	31.2	338.8	-174.0				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	25.5	0.813	0.03	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	94.3	1.098	0.01	Not required
BT Ant 4 + WLAN5G Ant 4	0.478	11.6	327.8	-173.9				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	70.2	0.671	0.01	Not required
BT Ant 4 + WLAN5G Ant 4	0.478	11.6	327.8	-173.9				



<Case 9>

SAR summation (blue colored) for each band of antenna 3,4,5,6

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.605	0.620
LTE Band 2_Ant 5	0.527	0.277	0.188	1.597	1.612
LTE Band 66_Ant 5	0.519	0.277	0.188	1.589	1.604
FR1 n2_Ant 5	0.527	0.277	0.188	1.597	1.612
FR1 n41_Ant 5	0.521	0.277	0.188	1.591	1.606
FR1 n48_Ant 5	0.522	0.277	0.188	1.592	1.607
FR1 n66_Ant 5	0.525	0.277	0.188	1.595	1.610
FR1 n77_Ant 5	0.526	0.277	0.188	1.596	1.611

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.527	54.0	323.1	-174.3	81.2	1.147	0.02	Not required
WWAN_Ant 6	0.620	58.0	242.0	-174.2				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	63.8	0.720	0.01	Not required
BT Ant 3 + WLAN5G Ant 3	0.193	35.2	261.7	-174.5	23.0	0.804	0.03	Not required
WWAN_Ant 5	0.527	49.2	324.5	-174.7				
BT Ant 4 + WLAN5G Ant 4	0.277	31.2	338.8	-174.0	23.8	0.642	0.02	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
BT Ant 3 + WLAN5G Ant 3	0.022	31.0	253.4	-172.2	95.3	0.808	0.01	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
BT Ant 4 + WLAN5G Ant 4	0.188	11.5	328.8	-173.8	71.2	0.381	0.00	Not required
BT Ant 3 + WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
BT Ant 4 + WLAN5G Ant 4	0.188	11.5	328.8	-173.8				



<Case 10>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Exposure Position	WWAN SAR	WLAN2.4G Hz Ant 0	WLAN5GH z Ant 4	GSM850 Ant 0	GSM190 0 Ant 0	WCDMA U_Ant 0	WCDMA V_Ant 0	WCDMA Y_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 20_Ant 0	LTE Band 25_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 56_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n28_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n77_Ant 0
Right Cheek		1g SAR (W/kg)	0.349	0.077	0.175	0.215	0.413	0.301	0.245	0.395	0.405	0.133	0.412	0.063	0.081	0.200	0.245	0.277	0.291	0.103	0.374	0.069	0.341	0.313	0.197	0.111	0.278	
GSM850_Ant 1	0.802	0.083	0.314	1.546	1.276	1.374	1.414	1.812	1.500	1.444	1.594	1.804	1.332	1.611	1.262	1.280	1.399	1.444	1.476	1.490	1.302	1.673	1.268	1.640	1.512	1.396	1.310	1.477
WCDMA V_Ant 1	0.572	0.083	0.314	1.318	1.046	1.144	1.184	1.382	1.270	1.214	1.364	1.374	1.102	1.381	1.032	1.050	1.169	1.214	1.246	1.260	1.072	1.343	1.038	1.310	1.282	1.166	1.080	1.247
LTE Band 7_Ant 1	0.670	0.083	0.314	1.416	1.144	1.242	1.282	1.480	1.368	1.312	1.462	1.472	1.200	1.479	1.130	1.148	1.297	1.312	1.344	1.358	1.170	1.441	1.136	1.408	1.380	1.264	1.178	1.345
LTE Band 12_Ant 1	0.797	0.083	0.314	1.543	1.271	1.369	1.409	1.607	1.495	1.438	1.588	1.598	1.327	1.606	1.257	1.275	1.394	1.439	1.471	1.485	1.297	1.568	1.263	1.535	1.507	1.391	1.305	1.472
LTE Band 13_Ant 1	0.707	0.083	0.314	1.455	1.181	1.279	1.319	1.517	1.405	1.348	1.498	1.498	1.237	1.516	1.167	1.185	1.304	1.349	1.381	1.395	1.207	1.478	1.173	1.445	1.417	1.301	1.215	1.382
LTE Band 14_Ant 1	0.700	0.083	0.314	1.446	1.174	1.272	1.312	1.510	1.398	1.342	1.492	1.492	1.230	1.509	1.160	1.178	1.297	1.342	1.374	1.388	1.200	1.471	1.166	1.438	1.410	1.294	1.208	1.375
LTE Band 20_Ant 1	0.695	0.083	0.314	1.441	1.169	1.267	1.307	1.505	1.393	1.337	1.487	1.487	1.225	1.504	1.155	1.173	1.292	1.337	1.369	1.383	1.195	1.466	1.161	1.433	1.405	1.289	1.203	1.370
LTE Band 25_Ant 1	0.728	0.083	0.314	1.474	1.202	1.300	1.340	1.538	1.426	1.370	1.520	1.530	1.258	1.537	1.188	1.206	1.325	1.370	1.402	1.416	1.228	1.499	1.194	1.466	1.438	1.322	1.236	1.403
LTE Band 30_Ant 1	0.772	0.083	0.314	1.516	1.246	1.344	1.384	1.582	1.470	1.414	1.564	1.574	1.302	1.581	1.232	1.250	1.369	1.414	1.446	1.460	1.272	1.543	1.238	1.510	1.482	1.366	1.280	1.447
FR1 n7_Ant 1	0.677	0.083	0.314	1.423	1.151	1.249	1.289	1.487	1.375	1.319	1.469	1.479	1.207	1.486	1.137	1.155	1.274	1.319	1.351	1.365	1.177	1.448	1.143	1.415	1.387	1.271	1.185	1.352
FR1 n12_Ant 1	0.788	0.083	0.314	1.534	1.282	1.380	1.400	1.598	1.486	1.430	1.580	1.590	1.318	1.597	1.248	1.266	1.385	1.430	1.462	1.476	1.288	1.559	1.254	1.526	1.498	1.382	1.296	1.463
FR1 n25_Ant 1	0.662	0.083	0.314	1.405	1.136	1.234	1.274	1.472	1.360	1.304	1.454	1.464	1.192	1.471	1.122	1.140	1.259	1.304	1.336	1.350	1.162	1.433	1.128	1.400	1.372	1.256	1.170	1.337
FR1 n28_Ant 1	0.575	0.083	0.314	1.321	1.049	1.147	1.187	1.385	1.273	1.217	1.367	1.377	1.105	1.384	0.935	0.953	1.172	1.217	1.249	1.263	1.075	1.346	1.041	1.313	1.285	1.169	1.083	1.250
FR1 n30_Ant 1	0.813	0.083	0.314	1.559	1.287	1.385	1.425	1.623	1.511	1.455	1.605	1.615	1.343	1.622	1.273	1.291	1.410	1.455	1.487	1.501	1.313	1.584	1.279	1.551	1.523	1.407	1.321	1.488
FR1 n38_Ant 1	0.753	0.083	0.314	1.499	1.227	1.325	1.365	1.563	1.451	1.395	1.545	1.555	1.283	1.562	1.213	1.231	1.350	1.395	1.427	1.441	1.253	1.524	1.219	1.491	1.463	1.347	1.261	1.428
FR1 n41_Ant 1	0.801	0.083	0.314	1.547	1.275	1.373	1.413	1.611	1.499	1.443	1.593	1.603	1.331	1.610	1.261	1.279	1.398	1.443	1.475	1.489	1.301	1.572	1.267	1.539	1.511	1.395	1.309	1.476
FR1 n66_Ant 1	0.667	0.083	0.314	1.413	1.141	1.239	1.279	1.477	1.365	1.309	1.459	1.469	1.197	1.476	1.127	1.145	1.264	1.309	1.341	1.355	1.167	1.438	1.133	1.405	1.377	1.261	1.175	1.342

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.413	62.2	-279.2	-175.0	65.0	1.226	0.02	Not required
WWAN_Ant 1	0.813	14.6	-323.4	-174.3				
WWAN_Ant 0	0.413	63.5	-280.6	-174.7	38.4	0.810	0.02	Not required
WLAN 2.4G Ant 3 + 5G ANT 3	0.397	55.5	-318.2	-174.5	67.0	0.597	0.01	Not required
WWAN_Ant 0	0.413	59.9	-274.2	-175.3				
WLAN5G Ant 4	0.184	-5.3	-288.1	-168.6	32.9	1.210	0.04	Not required
WWAN_Ant 1	0.813	22.9	-332.5	-174.4				
WLAN 2.4G Ant 3 + 5G ANT 3	0.397	54.5	-323.2	-174.1	40.9	0.997	0.02	Not required
WWAN_Ant 1	0.813	14.6	-323.4	-174.3				
WLAN5G Ant 4	0.184	-5.3	-288.1	-168.6	68.1	0.581	0.01	Not required
WLAN 2.4G Ant 3 + 5G ANT 3	0.397	55.5	-318.2	-174.5				
WLAN5G Ant 4	0.184	-5.3	-288.1	-168.6				



<Case 11>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Table with columns: Exposure Position, WWAN SAR, WLAN2_4GHZ_Ant 4, WLAN5G_Ant 4, GSM850_Ant 0, GSM1900_Ant 0, WCDMA_V_Ant 0, WCDMA_V_Ant 0, WCDMA_V_Ant 0, LTE_Band_13_Ant 0, LTE_Band_14_Ant 0, LTE_Band_26_Ant 0, FR1_n7_Ant 0, FR1_n12_Ant 0, FR1_n25_Ant 0, FR1_n26_Ant 0, FR1_n35_Ant 0, FR1_n41_Ant 0, FR1_n65_Ant 0, FR1_n70_Ant 0, FR1_n77_Ant 0. Rows include Right Check and various antenna bands.

SPLSR calculation for above summation SAR>1.6W/kg

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows show combinations of WWAN and WLAN antennas.

<Case 12>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Table with columns: Exposure Position, WWAN SAR, WLAN2_4GHZ_Ant 4, WLAN5G_Ant 4, GSM850_Ant 0, GSM1900_Ant 0, WCDMA_V_Ant 0, WCDMA_V_Ant 0, WCDMA_V_Ant 0, LTE_Band_13_Ant 0, LTE_Band_14_Ant 0, LTE_Band_26_Ant 0, FR1_n7_Ant 0, FR1_n12_Ant 0, FR1_n25_Ant 0, FR1_n26_Ant 0, FR1_n35_Ant 0, FR1_n41_Ant 0, FR1_n65_Ant 0, FR1_n70_Ant 0, FR1_n77_Ant 0. Rows include Right Check and various antenna bands.

SPLSR calculation for above summation SAR>1.6W/kg

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows show combinations of WWAN and WLAN antennas.



<Case 13>

SAR summation (blue colored) for each band of antenna 0,1,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5GHz Ant 4+3	GSM850_Ant 0	WCDMA V_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Left Cheek		1g SAR (W/kg)		0.581	0.583	0.538	0.198	0.203	0.192	0.193	0.143	0.332
GSM850_Ant 1	0.487	0.320	0.277	1.625	1.647	1.602	1.222	1.267	1.256	1.217	1.207	1.396
WCDMA V_Ant 1	0.349	0.320	0.277	1.507	1.529	1.484	1.104	1.149	1.138	1.099	1.089	1.278
LTE Band 2_Ant 1	0.313	0.320	0.277	1.471	1.493	1.448	1.068	1.113	1.102	1.063	1.053	1.242
LTE Band 12_Ant 1	0.487	0.320	0.277	1.625	1.647	1.602	1.222	1.267	1.256	1.217	1.207	1.396
LTE Band 13_Ant 1	0.452	0.320	0.277	1.610	1.632	1.587	1.207	1.252	1.241	1.202	1.192	1.381
LTE Band 14_Ant 1	0.436	0.320	0.277	1.594	1.616	1.571	1.191	1.236	1.225	1.186	1.176	1.365
LTE Band 26_Ant 1	0.456	0.320	0.277	1.614	1.636	1.591	1.211	1.256	1.245	1.206	1.196	1.385
LTE Band 66_Ant 1	0.394	0.320	0.277	1.552	1.574	1.529	1.149	1.194	1.183	1.144	1.134	1.323
LTE Band 71_Ant 1	0.327	0.320	0.277	1.485	1.507	1.462	1.082	1.127	1.116	1.077	1.067	1.256
FR1 n2_Ant 1	0.330	0.320	0.277	1.488	1.510	1.465	1.085	1.130	1.119	1.080	1.070	1.259
FR1 n12_Ant 1	0.468	0.320	0.277	1.626	1.648	1.603	1.223	1.268	1.257	1.218	1.208	1.397
FR1 n26_Ant 1	0.451	0.320	0.277	1.609	1.631	1.586	1.206	1.251	1.240	1.201	1.191	1.380
FR1 n41_Ant 1	0.265	0.320	0.277	1.423	1.445	1.400	1.020	1.065	1.054	1.015	1.005	1.194
FR1 n48_Ant 1	0.440	0.320	0.277	1.598	1.620	1.575	1.195	1.240	1.229	1.190	1.180	1.369
FR1 n66_Ant 1	0.467	0.320	0.277	1.625	1.647	1.602	1.222	1.267	1.256	1.217	1.207	1.396
FR1 n71_Ant 1	0.460	0.320	0.277	1.618	1.640	1.595	1.215	1.260	1.249	1.210	1.200	1.389
FR1 n77_Ant 1	0.411	0.320	0.277	1.569	1.591	1.546	1.166	1.211	1.200	1.161	1.151	1.340

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	64.5	1.055	0.02	Not required
WWAN_Ant 1	0.468	2.2	306.3	-172.2				
WWAN_Ant 0	0.587	52.4	262.7	-175.7	17.3	0.780	0.04	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	72.0	0.907	0.01	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	72.0	0.864	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 1	0.468	-3.1	294.3	-170.0	50.5	0.661	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	20.3	0.788	0.03	Not required
WLAN2.4GHz Ant 4	0.320	9.1	325.7	-173.7				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	43.3	0.745	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	69.1	0.513	0.01	Not required
WLAN2.4GHz Ant 4	0.320	9.1	325.7	-173.7				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	77.2	0.470	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN2.4GHz Ant 4	0.320	9.1	325.7	-173.7	25.7	0.597	0.02	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				



<Case 14>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5GHz Ant 4+3	WCDMA V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0	
Right Cheek		1g SAR (W/kg)			0.413	0.395	0.405	0.412	0.374	0.069	0.341	0.313	0.197	0.111	0.278
GSM1900_Ant 2	0.668	0.083	0.314	1.478	1.460	1.470	1.477	1.438	1.134	1.406	1.378	1.262	1.176	1.343	
WCDMA II_Ant 2	0.789	0.083	0.314	1.599	1.581	1.591	1.598	1.560	1.255	1.527	1.499	1.383	1.297	1.484	
WCDMA IV_Ant 2	0.726	0.083	0.314	1.536	1.518	1.528	1.535	1.497	1.192	1.464	1.436	1.320	1.234	1.401	
LTE Band 7_Ant 2	0.680	0.083	0.314	1.490	1.472	1.482	1.489	1.451	1.146	1.418	1.390	1.274	1.188	1.355	
LTE Band 25_Ant 2	0.786	0.083	0.314	1.596	1.578	1.588	1.595	1.557	1.252	1.524	1.496	1.380	1.294	1.481	
LTE Band 30_Ant 2	0.647	0.083	0.314	1.457	1.439	1.449	1.456	1.418	1.113	1.385	1.357	1.241	1.155	1.322	
LTE Band 41_Ant 2	0.788	0.083	0.314	1.598	1.580	1.590	1.597	1.559	1.254	1.528	1.498	1.382	1.296	1.483	
LTE Band 66_Ant 2	0.781	0.083	0.314	1.591	1.573	1.583	1.590	1.552	1.247	1.519	1.491	1.375	1.289	1.456	
FR1 n7_Ant 2	0.780	0.083	0.314	1.590	1.572	1.582	1.589	1.551	1.246	1.518	1.490	1.374	1.288	1.455	
FR1 n25_Ant 2	0.689	0.083	0.314	1.499	1.481	1.491	1.498	1.460	1.155	1.427	1.399	1.283	1.197	1.364	
FR1 n30_Ant 2	0.677	0.083	0.314	1.487	1.469	1.479	1.486	1.448	1.143	1.415	1.387	1.271	1.185	1.352	
FR1 n41_Ant 2	0.691	0.083	0.314	1.501	1.483	1.493	1.500	1.462	1.157	1.429	1.401	1.285	1.199	1.366	
FR1 n66_Ant 2	0.705	0.083	0.314	1.515	1.497	1.507	1.514	1.476	1.171	1.443	1.415	1.299	1.213	1.380	
FR1 n70_Ant 2	0.551	0.083	0.314	1.361	1.343	1.353	1.360	1.322	1.077	1.289	1.261	1.145	1.059	1.226	

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2 + WLAN Ant 3	1.599	56.9	-279.8	-176.0	63.2	1.783	0.04	Not required
WLAN5G Ant 4	0.184	-5.3	-288.1	-168.6				

<Case 15>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5GHz Ant 4+3	GSM850_Ant 0	WCDMA V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	LTE Band 26_IC_Ant 0	FR1 n26_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Right Cheek		1g SAR (W/kg)			0.349	0.413	0.395	0.405	0.412	0.374	0.341	0.313	0.197	0.111	0.278
GSM1900_Ant 2	0.668	0.122	0.314	1.453	1.517	1.499	1.509	1.516	1.497	1.478	1.445	1.417	1.301	1.215	1.382
WCDMA II_Ant 2	0.789	0.122	0.314	1.574	1.638	1.620	1.630	1.637	1.618	1.599	1.566	1.538	1.422	1.336	1.503
WCDMA IV_Ant 2	0.726	0.122	0.314	1.511	1.575	1.557	1.567	1.574	1.555	1.536	1.503	1.475	1.359	1.273	1.440
LTE Band 7_Ant 2	0.680	0.122	0.314	1.465	1.529	1.511	1.521	1.528	1.509	1.490	1.457	1.429	1.313	1.227	1.394
LTE Band 25_Ant 2	0.786	0.122	0.314	1.571	1.635	1.617	1.627	1.634	1.615	1.596	1.563	1.535	1.419	1.333	1.500
LTE Band 30_Ant 2	0.647	0.122	0.314	1.432	1.496	1.478	1.488	1.495	1.476	1.457	1.424	1.396	1.280	1.194	1.361
LTE Band 41_Ant 2	0.788	0.122	0.314	1.573	1.637	1.619	1.629	1.636	1.617	1.598	1.565	1.537	1.421	1.335	1.502
LTE Band 66_Ant 2	0.781	0.122	0.314	1.566	1.630	1.612	1.622	1.629	1.610	1.591	1.558	1.530	1.414	1.328	1.495
FR1 n7_Ant 2	0.780	0.122	0.314	1.565	1.629	1.611	1.621	1.628	1.609	1.590	1.557	1.529	1.413	1.327	1.494
FR1 n25_Ant 2	0.689	0.122	0.314	1.474	1.538	1.520	1.530	1.537	1.518	1.499	1.466	1.438	1.322	1.236	1.403
FR1 n30_Ant 2	0.677	0.122	0.314	1.462	1.526	1.508	1.518	1.525	1.506	1.487	1.454	1.426	1.310	1.224	1.391
FR1 n41_Ant 2	0.691	0.122	0.314	1.476	1.540	1.522	1.532	1.539	1.520	1.501	1.468	1.440	1.324	1.238	1.405
FR1 n66_Ant 2	0.705	0.122	0.314	1.480	1.554	1.536	1.546	1.553	1.534	1.515	1.482	1.454	1.338	1.252	1.419
FR1 n70_Ant 2	0.551	0.122	0.314	1.338	1.400	1.382	1.392	1.399	1.380	1.361	1.329	1.300	1.184	1.098	1.265

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2 + WLAN Ant 3	1.516	56.9	-279.8	-176.0	63.2	1.822	0.04	Not required
WLAN2.4G Ant 4 + 5G Ant 4	0.306	-5.3	-288.1	-168.6				

<Case 16>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5GHz Ant 4+3	GSM850_Ant 0	WCDMA V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	FR1 n26_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0	
Right Cheek		1g SAR (W/kg)			0.349	0.413	0.395	0.405	0.412	0.374	0.341	0.313	0.197	0.111	0.278
GSM1900_Ant 2	0.668	0.094	0.314	1.425	1.489	1.471	1.481	1.488	1.450	1.417	1.389	1.273	1.187	1.354	
WCDMA II_Ant 2	0.789	0.094	0.314	1.546	1.610	1.592	1.602	1.609	1.571	1.538	1.510	1.394	1.308	1.475	
WCDMA IV_Ant 2	0.726	0.094	0.314	1.483	1.547	1.529	1.539	1.546	1.508	1.475	1.447	1.331	1.245	1.412	
LTE Band 7_Ant 2	0.680	0.094	0.314	1.437	1.501	1.483	1.493	1.500	1.462	1.429	1.401	1.285	1.199	1.366	
LTE Band 25_Ant 2	0.786	0.094	0.314	1.543	1.607	1.589	1.599	1.606	1.568	1.535	1.507	1.391	1.305	1.472	
LTE Band 30_Ant 2	0.647	0.094	0.314	1.404	1.468	1.450	1.460	1.467	1.429	1.396	1.368	1.252	1.166	1.333	
LTE Band 41_Ant 2	0.788	0.094	0.314	1.545	1.609	1.591	1.601	1.608	1.570	1.537	1.509	1.393	1.307	1.474	
LTE Band 66_Ant 2	0.781	0.094	0.314	1.538	1.602	1.584	1.594	1.601	1.563	1.530	1.502	1.386	1.300	1.467	
FR1 n7_Ant 2	0.780	0.094	0.314	1.537	1.601	1.583	1.593	1.600	1.562	1.529	1.501	1.385	1.299	1.466	
FR1 n25_Ant 2	0.689	0.094	0.314	1.446	1.510	1.492	1.502	1.509	1.471	1.438	1.410	1.294	1.208	1.375	
FR1 n30_Ant 2	0.677	0.094	0.314	1.434	1.498	1.480	1.490	1.497	1.459	1.426	1.398	1.282	1.196	1.363	
FR1 n41_Ant 2	0.691	0.094	0.314	1.448	1.512	1.494	1.504	1.511	1.473	1.440	1.412	1.296	1.210	1.377	
FR1 n66_Ant 2	0.705	0.094	0.314	1.462	1.526	1.508	1.518	1.525	1.487	1.454	1.426	1.310	1.224	1.391	
FR1 n70_Ant 2	0.551	0.094	0.314	1.308	1.372	1.354	1.364	1.371	1.333	1.300	1.272	1.156	1.070	1.237	

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2 + WLAN Ant 3	1.582	56.9	-279.8	-176.0	63.2	1.860	0.04	Not required
WLAN2.4G Ant 4 + 5G Ant 4	0.278	-5.3	-288.1	-168.6				



<Case 17>

SAR summation (blue colored) for each band of antenna 0,3,4,5

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5GHz Ant 4+3	GSM850_Ant 0	WCDMA_V_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 26_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n38_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Left Check				0.561	0.583	0.483	0.499	0.485	0.538	0.158	0.203	0.192	0.153	0.143	0.332
LTE Band 2_Ant 5	0.527	0.320	0.277	1.685	1.707	1.607	1.623	1.609	1.662	1.282	1.327	1.316	1.277	1.267	1.456
LTE Band 66_Ant 5	0.519	0.320	0.277	1.677	1.699	1.599	1.615	1.601	1.654	1.274	1.319	1.308	1.269	1.259	1.448
FR1 n2_Ant 5	0.527	0.320	0.277	1.685	1.707	1.607	1.623	1.609	1.662	1.282	1.327	1.316	1.277	1.267	1.456
FR1 n41_Ant 5	0.521	0.320	0.277	1.679	1.701	1.601	1.617	1.603	1.656	1.276	1.321	1.310	1.271	1.261	1.450
FR1 n48_Ant 5	0.522	0.320	0.277	1.680	1.702	1.602	1.618	1.604	1.657	1.277	1.322	1.311	1.272	1.262	1.451
FR1 n66_Ant 5	0.525	0.320	0.277	1.683	1.705	1.605	1.621	1.607	1.660	1.280	1.325	1.314	1.275	1.265	1.454
FR1 n77_Ant 5	0.526	0.320	0.277	1.684	1.706	1.606	1.622	1.608	1.661	1.281	1.326	1.315	1.276	1.266	1.455

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	51.9	1.114	0.02	Not required
WWAN_Ant 5	0.527	54.0	323.1	-174.3				
WWAN_Ant 0	0.587	52.4	262.7	-175.7	17.3	0.780	0.04	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	72.0	1.184	0.02	Not required
WLAN2.4G Ant 4	0.597	9.1	325.7	-173.7				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	72.0	0.864	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	63.8	0.720	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	40.1	0.847	0.02	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	23.0	0.804	0.03	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	69.1	0.513	0.01	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	77.2	0.470	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7	25.7	0.597	0.02	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				



<Case 18>

SAR summation (blue colored) for each band of antenna 0,3,4,5

Exposure Position	WWAN_SAR	WLAN2.4GHz_Ant 4/5	WLAN5GHz_Ant 4/5	GSM550_Ant 0	WCDMA_V_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n1_Ant 0	FR1 n2_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n36_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n77_Ant 0
Left Check			1g SAR (W/kg)	0.561	0.583	0.103	0.169	0.160	0.329	0.284	0.379	0.136	0.538	0.158	0.203	0.192	0.153	0.143	0.332
LTE Band 2_Ant 5	0.527	0.247	0.277	1.612	1.634	1.154	1.220	1.211	1.380	1.315	1.430	1.187	1.589	1.209	1.264	1.243	1.204	1.194	1.383
LTE Band 66_Ant 0	0.519	0.247	0.277	1.604	1.628	1.146	1.212	1.203	1.372	1.307	1.422	1.179	1.581	1.201	1.246	1.235	1.196	1.186	1.375
FR1 n1_Ant 5	0.527	0.247	0.277	1.612	1.634	1.154	1.220	1.211	1.380	1.315	1.430	1.187	1.589	1.209	1.264	1.243	1.204	1.194	1.383
FR1 n2_Ant 5	0.521	0.247	0.277	1.604	1.628	1.146	1.214	1.205	1.374	1.309	1.424	1.181	1.583	1.203	1.248	1.237	1.198	1.188	1.377
FR1 n25_Ant 5	0.522	0.247	0.277	1.607	1.629	1.148	1.215	1.206	1.375	1.310	1.425	1.182	1.584	1.204	1.249	1.238	1.199	1.189	1.378
FR1 n26_Ant 5	0.525	0.247	0.277	1.610	1.632	1.152	1.218	1.209	1.379	1.313	1.428	1.185	1.587	1.207	1.252	1.241	1.202	1.192	1.381
FR1 n30_Ant 5	0.526	0.247	0.277	1.611	1.633	1.153	1.219	1.210	1.379	1.314	1.428	1.186	1.588	1.208	1.253	1.242	1.203	1.193	1.382

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.587	56.2	271.3	-175.8	51.9	1.114	0.02	Not required
WWAN_Ant 5	0.527	54.0	323.1	-174.3				
WWAN_Ant 0	0.587	54.5	267.1	-180.5	28.2	0.588	0.02	Not required
WLAN2.4G Ant 3	0.001	33.4	250.2	-172.3				
WWAN_Ant 0	0.587	52.4	262.7	-175.7	17.3	0.780	0.04	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 0	0.587	54.5	267.1	-180.5	75.2	0.834	0.01	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WWAN_Ant 0	0.587	54.5	267.1	-180.5	75.7	0.864	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	76.0	0.528	0.01	Not required
WLAN2.4G Ant 3	0.001	33.4	250.2	-172.3				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	63.8	0.720	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	40.0	0.774	0.02	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	23.0	0.804	0.03	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN2.4G Ant 3	0.001	33.4	250.2	-172.3	11.8	0.194	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7	25.0	0.524	0.02	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN2.4G Ant 3	0.001	33.4	250.2	-172.3	80.3	0.248	0.00	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WLAN2.4G Ant 3	0.001	33.4	250.2	-172.3	88.6	0.278	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	77.2	0.470	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	70.1	0.440	0.00	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				



<Case 19>

SAR summation (blue colored) for each band of antenna 1,2,3,4

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 2	0.789	53.7	-251.4	-174.6	66.8	2.04	0.04	Not required
WWAN Ant 1 + WLAN Ant 3+4	1.249	55.5	-318.2	-174.5				

<Case 20>

SAR summation (blue colored) for each band of antenna 1,2,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n77_Ant 6
Left Cheek		1g SAR (W/kg)			
GSMS02_Ant 1	0.467	0.320	0.277	1.609	1.684
WCDMA_V_Ant 1	0.349	0.320	0.277	1.551	1.596
LTE Band 2_Ant 1	0.313	0.320	0.277	1.515	1.530
LTE Band 12_Ant 1	0.467	0.320	0.277	1.669	1.694
LTE Band 13_Ant 1	0.452	0.320	0.277	1.654	1.669
LTE Band 14_Ant 1	0.436	0.320	0.277	1.638	1.653
LTE Band 26_Ant 1	0.456	0.320	0.277	1.658	1.673
LTE Band 66_Ant 1	0.394	0.320	0.277	1.596	1.611
LTE Band 71_Ant 1	0.327	0.320	0.277	1.529	1.544
FR1 n2_Ant 1	0.330	0.320	0.277	1.532	1.547
FR1 n12_Ant 1	0.468	0.320	0.277	1.676	1.685
FR1 n26_Ant 1	0.451	0.320	0.277	1.653	1.668
FR1 n41_Ant 1	0.265	0.320	0.277	1.467	1.482
FR1 n48_Ant 1	0.440	0.320	0.277	1.642	1.657
FR1 n66_Ant 1	0.467	0.320	0.277	1.669	1.684
FR1 n71_Ant 1	0.460	0.320	0.277	1.662	1.677
FR1 n77_Ant 1	0.411	0.320	0.277	1.613	1.628

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.620	-3.1	294.3	-170.0	75.7	1.240	0.02	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 1	0.620	-3.1	294.3	-170.0	50.5	0.813	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	20.3	0.940	0.04	Not required
WWAN_Ant 1	0.620	2.2	306.7	-172.3				
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7	43.3	0.897	0.02	Not required
WWAN_Ant 1	0.620	2.2	306.7	-172.3				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0	21.1	0.813	0.03	Not required
WWAN_Ant 6	0.620	52.8	250.0	-174.1				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	87.4	0.940	0.01	Not required
WWAN_Ant 6	0.620	52.8	250.0	-174.1				
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7	91.4	0.897	0.01	Not required
WWAN_Ant 6	0.620	52.8	250.0	-174.1				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0	69.1	0.513	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7	77.2	0.470	0.00	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0	25.7	0.597	0.02	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				



<Case 21>

SAR summation (blue colored) for each band of antenna 1,3,4,6

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.605	0.620
GSM850_Ant 1	0.467	0.247	0.277	1.596	1.611
WCDMA V_Ant 1	0.349	0.247	0.277	1.478	1.493
LTE Band 2_Ant 1	0.313	0.247	0.277	1.442	1.457
LTE Band 12_Ant 1	0.467	0.247	0.277	1.596	1.611
LTE Band 13_Ant 1	0.452	0.247	0.277	1.581	1.596
LTE Band 14_Ant 1	0.436	0.247	0.277	1.565	1.580
LTE Band 26_Ant 1	0.456	0.247	0.277	1.585	1.600
LTE Band 66_Ant 1	0.394	0.247	0.277	1.523	1.538
LTE Band 71_Ant 1	0.327	0.247	0.277	1.456	1.471
FR1 n2_Ant 1	0.330	0.247	0.277	1.459	1.474
FR1 n12_Ant 1	0.468	0.247	0.277	1.597	1.612
FR1 n26_Ant 1	0.451	0.247	0.277	1.580	1.595
FR1 n41_Ant 1	0.265	0.247	0.277	1.394	1.409
FR1 n48_Ant 1	0.440	0.247	0.277	1.569	1.584
FR1 n66_Ant 1	0.467	0.247	0.277	1.596	1.611
FR1 n71_Ant 1	0.460	0.247	0.277	1.589	1.604
FR1 n77_Ant 1	0.411	0.247	0.277	1.540	1.555

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.620	2.2	306.3	-172.2	80.9	1.240	0.02	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 1	0.620	-3.1	294.3	-170.0				
WLAN2.4G Ant 3 + WLAN5G Ant 3	0.194	35.2	261.7	-174.5	50.5	0.814	0.01	Not required
WWAN_Ant 1	0.620	1.0	308.1	-172.1	43.1	0.897	0.02	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 1	0.620	1.0	308.1	-172.1	20.5	0.867	0.04	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WWAN_Ant 6	0.620	52.8	250.0	-174.1	21.1	0.814	0.03	Not required
WLAN2.4G Ant 3 + WLAN5G Ant 3	0.194	35.2	261.7	-174.5				
WWAN_Ant 6	0.620	52.8	250.0	-174.1	91.4	0.897	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 6	0.620	52.8	250.0	-174.1	88.3	0.867	0.01	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WLAN2.4G Ant 3 + WLAN5G Ant 3	0.194	35.2	261.7	-174.5	77.2	0.471	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN2.4G Ant 3 + WLAN5G Ant 3	0.194	35.2	261.7	-174.5	70.1	0.441	0.00	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0	25.0	0.524	0.02	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				



<Case 22>

Hybrid SPLSR calculation for antenna 7 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 7	0.500	46.2	-243.3	-174.0	68.5	1.71	0.03	Not required
WWAN Ant 1 + WLAN Ant 3+4	1.212	-5.3	-288.1	-168.6				

<Case 23>

SAR summation (blue colored) for each band of antenna 3,4,5,6

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.605	0.499	0.620
LTE Band 2_Ant 5	0.527	0.320	0.277	1.729	1.623	1.744
LTE Band 66_Ant 5	0.519	0.320	0.277	1.721	1.615	1.736
FR1 n2_Ant 5	0.527	0.320	0.277	1.729	1.623	1.744
FR1 n41_Ant 5	0.521	0.320	0.277	1.723	1.617	1.738
FR1 n48_Ant 5	0.522	0.320	0.277	1.724	1.618	1.739
FR1 n66_Ant 5	0.525	0.320	0.277	1.727	1.621	1.742
FR1 n77_Ant 5	0.526	0.320	0.277	1.728	1.622	1.743

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.527	54.0	323.1	-174.3	72.2	1.147	0.02	Not required
WWAN_Ant 6	0.620	56.8	251.0	-174.1				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	63.8	0.720	0.01	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	23.0	0.804	0.03	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	40.1	0.847	0.02	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WWAN_Ant 6	0.620	52.8	250.0	-174.1	21.1	0.813	0.03	Not required
WLAN5G Ant 3	0.193	35.2	261.7	-174.5				
WWAN_Ant 6	0.620	52.8	250.0	-174.1	91.4	0.897	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 6	0.620	52.8	250.0	-174.1	87.4	0.940	0.01	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	77.2	0.470	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN5G Ant 3	0.193	35.2	261.7	-174.5	69.1	0.513	0.01	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0	25.7	0.597	0.02	Not required
WLAN2.4G Ant 4	0.320	9.1	325.7	-173.7				



<Case 24>

SAR summation (blue colored) for each band of antenna 3,4,5,6

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.605	0.620
LTE Band 2_Ant 5	0.527	0.247	0.277	1.656	1.671
LTE Band 66_Ant 5	0.519	0.247	0.277	1.648	1.663
FR1 n2_Ant 5	0.527	0.247	0.277	1.656	1.671
FR1 n41_Ant 5	0.521	0.247	0.277	1.650	1.665
FR1 n48_Ant 5	0.522	0.247	0.277	1.651	1.666
FR1 n66_Ant 5	0.525	0.247	0.277	1.654	1.669
FR1 n77_Ant 5	0.526	0.247	0.277	1.655	1.670

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.527	54.0	323.1	-174.3	79.8	1.147	0.02	Not required
WWAN_Ant 6	0.620	57.6	243.4	-174.4				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	63.8	0.721	0.01	Not required
WLAN2.4G + WLAN5G Ant 3	0.194	35.2	261.7	-174.5				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	23.0	0.804	0.03	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	40.0	0.774	0.02	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WWAN_Ant 6	0.620	57.6	243.4	-174.4	28.9	0.814	0.03	Not required
WLAN2.4G + WLAN5G Ant 3	0.194	35.2	261.7	-174.5				
WWAN_Ant 6	0.620	57.6	243.4	-174.4	99.0	0.897	0.01	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WWAN_Ant 6	0.620	57.6	243.4	-174.4	96.4	0.867	0.01	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WLAN2.4G + WLAN5G Ant 3	0.194	35.2	261.7	-174.5	77.2	0.471	0.00	Not required
WLAN5G Ant 4	0.277	31.2	338.8	-174.0				
WLAN5G Ant 4	0.277	31.2	338.8	-174.0	25.0	0.524	0.02	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				
WLAN2.4G + WLAN5G Ant 3	0.194	35.2	261.7	-174.5	70.1	0.441	0.00	Not required
WLAN2.4G Ant 4	0.247	9.3	326.8	-173.7				

<Case 25>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 0	0.761	-17.1	-78.4	-207.0	61.1	1.65	0.03	Not required
WWAN Ant 1 + WLAN Ant 3+4	0.884	44.0	-78.5	-207.0				

<Case 26>

Hybrid SPLSR calculation for antenna (0+4) and antenna 2

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN2.4G Ant 4	1.046	-42.4	-76.4	-207.0	59.4	1.60	0.03	Not required
WWAN_Ant 2	0.552	9.5	-47.5	-207.0				

<Case 27>

Hybrid SPLSR calculation for antenna (0+4) and antenna 2

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+ WLAN2.4G Ant 4	1.049	-17.1	-78.4	-207.0	56.0	1.60	0.04	Not required
WWAN_Ant 2	0.548	-60.5	-43.0	-207.0				

<Case 28>

Hybrid SPLSR calculation for antenna (1+3) and antenna 6

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1+WLAN Ant3	0.800	-25.0	20.0	-207.0	68.5	1.64	0.03	Not required
WWAN_Ant 6	0.840	-25.0	-48.5	-207.0				

<Case 29>

Hybrid SPLSR calculation for antenna 2 and antenna (5+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.760	-25.0	57.5	-207.0	83.9	1.68	0.03	Not required
WWAN_Ant 5 + WLAN Ant 3+4	0.920	-24.4	-26.4	-207.0				

<Case 30>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 0	0.761	-25.1	-22.4	-207.0	57.9	1.77	0.04	Not required
WWAN Ant 1 + WLAN Ant 3+4	1.010	11.5	22.5	-207.0				

<Case 31>

Hybrid SPLSR calculation for antenna (0+3+4) and antenna (2)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+ WLAN Ant 3+4	1.067	-38.3	-76.9	-207.0	56.1	1.62	0.04	Not required
WWAN_Ant 2	0.552	9.5	-47.5	-207.0				



<Case 32>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4+3	WCDMA V Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.761	0.326	0.493	0.445	0.402	0.370	0.628	0.376	0.309	0.368	0.427	0.506	0.495	0.449	0.638	0.419	0.318	0.437	0.341	0.529
FR1 n7_Ant 2	0.548	0.063	0.249	1.621	1.186	1.353	1.305	1.262	1.230	1.488	1.236	1.169	1.228	1.287	1.366	1.355	1.309	1.498	1.279	1.178	1.297	1.201	1.389
FR1 n25_Ant 2	0.502	0.063	0.249	1.575	1.140	1.307	1.259	1.216	1.184	1.442	1.190	1.123	1.182	1.241	1.320	1.309	1.263	1.452	1.233	1.132	1.251	1.155	1.343
FR1 n30_Ant 2	0.340	0.063	0.249	1.413	0.978	1.145	1.097	1.054	1.022	1.280	1.028	0.961	1.020	1.079	1.158	1.147	1.101	1.290	1.071	0.970	1.089	0.993	1.181
FR1 n41_Ant 2	0.265	0.063	0.249	1.338	0.903	1.070	1.022	0.979	0.947	1.205	0.953	0.886	0.945	1.004	1.083	1.072	1.026	1.215	0.996	0.895	1.014	0.918	1.106
FR1 n66_Ant 2	0.420	0.063	0.249	1.493	1.058	1.225	1.177	1.134	1.102	1.360	1.108	1.041	1.100	1.159	1.238	1.227	1.181	1.370	1.151	1.050	1.169	1.073	1.261
FR1 n70_Ant 2	0.398	0.063	0.249	1.471	1.036	1.203	1.155	1.112	1.080	1.338	1.086	1.019	1.078	1.137	1.216	1.205	1.159	1.348	1.129	1.028	1.147	1.051	1.239
FR1 n48_Ant 1	0.388	0.063	0.249	1.461	1.026	1.193	1.145	1.102	1.070	1.328	1.076	1.009	1.068	1.127	1.206	1.195	1.149	1.338	1.119	1.018	1.137	1.041	1.229
FR1 n66_Ant 1	0.202	0.063	0.249	1.275	0.840	1.007	0.959	0.916	0.884	1.142	0.890	0.823	0.882	0.941	1.020	1.009	0.963	1.152	0.933	0.832	0.951	0.855	1.043
FR1 n71_Ant 1	0.221	0.063	0.249	1.294	0.859	1.026	0.978	0.935	0.903	1.161	0.909	0.842	0.901	0.960	1.039	1.028	0.982	1.171	0.952	0.851	0.970	0.874	1.062
FR1 n77_Ant 1	0.478	0.063	0.249	1.551	1.116	1.283	1.235	1.192	1.160	1.418	1.166	1.099	1.158	1.217	1.296	1.285	1.239	1.428	1.209	1.108	1.227	1.131	1.319

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+ WLAN Ant 3+4	0.860	-60.5	-43.0	-207.0	56.0	1.621	0.04	Not required
WWAN_Ant 2	0.761	-17.1	-78.4	-207.0				

<Case 33>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.515	0.386	0.339	0.344	0.761	0.326	0.493	0.445	0.402	0.370	0.628	0.376	0.309	0.368	0.427	0.506	0.495	0.449	0.638	0.419	0.318	0.437	0.341	0.529
LTE Band 7_Ant 2	0.508	0.165	0.249	1.437	1.308	1.261	1.266	1.683	1.248	1.415	1.367	1.324	1.292	1.550	1.298	1.231	1.290	1.349	1.428	1.417	1.371	1.560	1.341	1.240	1.359	1.263	1.451
FR1 n7_Ant 2	0.548	0.165	0.249	1.477	1.348	1.301	1.306	1.723	1.288	1.455	1.407	1.364	1.332	1.590	1.338	1.271	1.330	1.389	1.468	1.457	1.411	1.600	1.381	1.280	1.399	1.303	1.491
FR1 n25_Ant 2	0.502	0.165	0.249	1.431	1.302	1.255	1.260	1.677	1.242	1.409	1.361	1.318	1.286	1.544	1.292	1.225	1.284	1.343	1.422	1.411	1.365	1.554	1.335	1.234	1.353	1.257	1.445
FR1 n66_Ant 2	0.420	0.165	0.249	1.349	1.220	1.173	1.178	1.595	1.160	1.327	1.279	1.236	1.204	1.462	1.210	1.143	1.202	1.261	1.340	1.329	1.283	1.472	1.253	1.152	1.271	1.175	1.363

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.309	-25.1	-22.4	-207.0	64.4	1.723	0.04	Not required
WLAN2.4G Ant 4 + WLAN5G Ant 3+4	0.414	15.8	27.4	-207.0				



<Case 34>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	GSM850_Ant 0	GSM1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.515	0.386	0.339	0.344	0.761	0.326	0.493	0.445	0.402	0.370	0.628	0.376	0.309	0.368	0.427	0.506	0.495	0.449	0.638	0.419	0.318	0.437	0.341	0.529
GSM1900_Ant 2	0.341	0.157	0.249	1.262	1.133	1.086	1.091	1.508	1.073	1.240	1.192	1.149	1.117	1.375	1.123	1.056	1.115	1.174	1.253	1.242	1.196	1.385	1.166	1.065	1.184	1.088	1.276
WCDMA II_Ant 2	0.406	0.157	0.249	1.327	1.198	1.151	1.156	1.573	1.138	1.305	1.257	1.214	1.182	1.440	1.188	1.121	1.180	1.239	1.318	1.307	1.261	1.450	1.231	1.130	1.249	1.153	1.341
WCDMA IV_Ant 2	0.347	0.157	0.249	1.268	1.139	1.092	1.097	1.514	1.079	1.246	1.198	1.155	1.123	1.381	1.129	1.062	1.121	1.180	1.259	1.248	1.202	1.391	1.172	1.071	1.190	1.094	1.282
LTE Band 7_Ant 2	0.508	0.157	0.249	1.429	1.300	1.253	1.258	1.675	1.240	1.407	1.359	1.316	1.284	1.542	1.290	1.223	1.282	1.341	1.420	1.409	1.363	1.552	1.333	1.232	1.351	1.255	1.443
LTE Band 25_Ant 2	0.241	0.157	0.249	1.162	1.033	0.986	0.991	1.408	0.973	1.140	1.092	1.049	1.017	1.275	1.023	0.956	1.015	1.074	1.153	1.142	1.096	1.285	1.066	0.965	1.084	0.988	1.176
LTE Band 30_Ant 2	0.299	0.157	0.249	1.220	1.091	1.044	1.049	1.466	1.031	1.198	1.150	1.107	1.075	1.333	1.081	1.014	1.073	1.132	1.211	1.200	1.154	1.343	1.124	1.023	1.142	1.046	1.234
LTE Band 41_Ant 2	0.241	0.157	0.249	1.162	1.033	0.986	0.991	1.408	0.973	1.140	1.092	1.049	1.017	1.275	1.023	0.956	1.015	1.074	1.153	1.142	1.096	1.285	1.066	0.965	1.084	0.988	1.176
LTE Band 66_Ant 2	0.384	0.157	0.249	1.305	1.176	1.129	1.134	1.551	1.116	1.283	1.235	1.192	1.160	1.418	1.166	1.099	1.158	1.217	1.296	1.285	1.239	1.428	1.209	1.108	1.227	1.131	1.319
FR1 n7_Ant 2	0.548	0.157	0.249	1.469	1.340	1.293	1.298	1.715	1.280	1.447	1.399	1.356	1.324	1.582	1.330	1.263	1.322	1.381	1.460	1.449	1.403	1.592	1.373	1.272	1.391	1.295	1.483
FR1 n25_Ant 2	0.502	0.157	0.249	1.423	1.294	1.247	1.252	1.669	1.234	1.401	1.353	1.310	1.278	1.536	1.284	1.217	1.276	1.335	1.414	1.403	1.357	1.546	1.327	1.226	1.345	1.249	1.437
FR1 n30_Ant 2	0.340	0.157	0.249	1.261	1.132	1.085	1.090	1.507	1.072	1.239	1.191	1.148	1.116	1.374	1.122	1.055	1.114	1.173	1.252	1.241	1.195	1.384	1.165	1.064	1.183	1.087	1.275
FR1 n41_Ant 2	0.265	0.157	0.249	1.186	1.057	1.010	1.015	1.432	0.997	1.164	1.116	1.073	1.041	1.299	1.047	0.980	1.039	1.098	1.177	1.166	1.120	1.309	1.090	0.989	1.108	1.012	1.200
FR1 n66_Ant 2	0.420	0.157	0.249	1.341	1.212	1.165	1.170	1.587	1.152	1.319	1.271	1.228	1.196	1.454	1.202	1.135	1.194	1.253	1.332	1.321	1.275	1.464	1.245	1.144	1.263	1.167	1.355
FR1 n70_Ant 2	0.398	0.157	0.249	1.319	1.190	1.143	1.148	1.565	1.130	1.297	1.249	1.206	1.174	1.432	1.180	1.113	1.172	1.231	1.310	1.299	1.253	1.442	1.223	1.122	1.241	1.145	1.333

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.309	-52.5	-48.5	-207.0	95.6	1.715	0.02	Not required
WLAN2.4G Ant 3+4 + WLAN5G Ant 3+4	0.406	11.5	22.5	-207.0				

<Case 35>

Hybrid SPLSR calculation for antenna (1+3+4) and antenna 6

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1+WLAN Ant3+4	0.875	-26.0	22.0	-207.0	70.5	1.72	0.03	Not required
WWAN_Ant 6	0.840	-25.0	-48.5	-207.0				

<Case 36>

Hybrid SPLSR calculation for antenna 2 and antenna (5+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.760	-25.0	57.5	-207.0	83.9	1.74	0.03	Not required
WWAN_Ant 5 + WLAN Ant 3+4	0.980	-23.4	-26.4	-207.0				

<Case 37>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN Ant 0	0.761	-25.1	-22.4	-207.0	61.1	1.75	0.04	Not required
WWAN Ant 1 + WLAN Ant 3+4	0.986	13.5	25.0	-207.0				

<Case 38>

Hybrid SPLSR calculation for antenna (0+3+4) and antenna (2)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+ WLAN Ant 3+4	1.051	-42.4	-76.4	-207.0	59.4	1.60	0.03	Not required
WWAN_Ant 2	0.552	9.5	-47.5	-207.0				



<Case 39>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.515	0.386	0.339	0.344	0.761	0.326	0.493	0.445	0.402	0.370	0.628	0.376	0.309	0.368	0.427	0.506	0.495	0.449	0.638	0.419	0.318	0.437	0.341	0.529
GSM1900_Ant 2	0.341	0.249	0.055	1.160	1.031	0.984	0.989	1.406	0.971	1.138	1.090	1.047	1.015	1.273	1.021	0.954	1.013	1.072	1.151	1.140	1.094	1.283	1.064	0.963	1.082	0.986	1.174
WCDMA II_Ant 2	0.406	0.249	0.055	1.225	1.096	1.049	1.054	1.471	1.036	1.203	1.155	1.112	1.080	1.338	1.086	1.019	1.078	1.137	1.216	1.205	1.159	1.348	1.129	1.028	1.147	1.051	1.239
WCDMA IV_Ant 2	0.347	0.249	0.055	1.166	1.037	0.990	0.995	1.412	0.977	1.144	1.096	1.053	1.021	1.279	1.027	0.960	1.019	1.078	1.157	1.146	1.100	1.289	1.070	0.969	1.088	0.992	1.180
LTE Band 7_Ant 2	0.508	0.249	0.055	1.327	1.198	1.151	1.156	1.573	1.138	1.305	1.257	1.214	1.182	1.440	1.188	1.121	1.180	1.239	1.318	1.307	1.261	1.450	1.231	1.130	1.249	1.153	1.341
LTE Band 25_Ant 2	0.241	0.249	0.055	1.060	0.931	0.884	0.889	1.306	0.871	1.038	0.990	0.947	0.915	1.173	0.921	0.854	0.913	0.972	1.051	1.040	0.994	1.183	0.964	0.863	0.982	0.886	1.074
LTE Band 30_Ant 2	0.299	0.249	0.055	1.118	0.989	0.942	0.947	1.364	0.929	1.096	1.048	1.005	0.973	1.231	0.979	0.912	0.971	1.030	1.109	1.098	1.052	1.241	1.022	0.921	1.040	0.944	1.132
LTE Band 41_Ant 2	0.241	0.249	0.055	1.060	0.931	0.884	0.889	1.306	0.871	1.038	0.990	0.947	0.915	1.173	0.921	0.854	0.913	0.972	1.051	1.040	0.994	1.183	0.964	0.863	0.982	0.886	1.074
LTE Band 66_Ant 2	0.384	0.249	0.055	1.203	1.074	1.027	1.032	1.449	1.014	1.181	1.133	1.090	1.058	1.316	1.064	0.997	1.056	1.115	1.194	1.183	1.137	1.326	1.107	1.006	1.125	1.029	1.217
FR1 n7_Ant 2	0.548	0.249	0.055	1.367	1.238	1.191	1.196	1.613	1.178	1.345	1.297	1.254	1.222	1.480	1.228	1.161	1.220	1.279	1.358	1.347	1.301	1.490	1.271	1.170	1.289	1.193	1.381
FR1 n25_Ant 2	0.502	0.249	0.055	1.321	1.192	1.145	1.150	1.567	1.132	1.299	1.251	1.208	1.176	1.434	1.182	1.115	1.174	1.233	1.312	1.301	1.255	1.444	1.225	1.124	1.243	1.147	1.335
FR1 n30_Ant 2	0.340	0.249	0.055	1.159	1.030	0.983	0.988	1.405	0.970	1.137	1.089	1.046	1.014	1.272	1.020	0.953	1.012	1.071	1.150	1.139	1.093	1.282	1.063	0.962	1.081	0.985	1.173
FR1 n41_Ant 2	0.265	0.249	0.055	1.084	0.955	0.908	0.913	1.330	0.895	1.062	1.014	0.971	0.939	1.197	0.945	0.878	0.937	0.996	1.075	1.064	1.018	1.207	0.988	0.887	1.006	0.910	1.098
FR1 n66_Ant 2	0.420	0.249	0.055	1.239	1.110	1.063	1.068	1.485	1.050	1.217	1.169	1.126	1.094	1.352	1.100	1.033	1.092	1.151	1.230	1.219	1.173	1.362	1.143	1.042	1.161	1.065	1.253
FR1 n70_Ant 2	0.398	0.249	0.055	1.217	1.088	1.041	1.046	1.463	1.028	1.195	1.147	1.104	1.072	1.330	1.078	1.011	1.070	1.129	1.208	1.197	1.151	1.340	1.121	1.020	1.139	1.043	1.231

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2+ WLAN Ant 3+4	0.852	-60.5	-43.0	-207.0	56.0	1.613	0.04	Not required
WWAN_Ant 0	0.761	-17.1	-78.4	-207.0				

<Case 40>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.515	0.386	0.339	0.344	0.761	0.326	0.493	0.445	0.402	0.370	0.628	0.376	0.309	0.368	0.427	0.506	0.495	0.449	0.638	0.419	0.318	0.437	0.341	0.529
GSM1900_Ant 2	0.341	0.249	0.141	1.246	1.117	1.070	1.075	1.492	1.057	1.224	1.176	1.133	1.101	1.359	1.107	1.040	1.099	1.158	1.237	1.226	1.180	1.369	1.150	1.049	1.168	1.072	1.260
WCDMA II_Ant 2	0.406	0.249	0.141	1.311	1.182	1.135	1.140	1.557	1.122	1.289	1.241	1.198	1.166	1.424	1.172	1.105	1.164	1.223	1.302	1.291	1.245	1.434	1.215	1.114	1.233	1.137	1.325
WCDMA IV_Ant 2	0.347	0.249	0.141	1.252	1.123	1.076	1.081	1.498	1.063	1.230	1.182	1.139	1.107	1.365	1.113	1.046	1.105	1.164	1.243	1.232	1.186	1.375	1.156	1.055	1.174	1.078	1.266
LTE Band 7_Ant 2	0.508	0.249	0.141	1.413	1.284	1.237	1.242	1.659	1.224	1.391	1.343	1.300	1.268	1.526	1.274	1.207	1.266	1.325	1.404	1.393	1.347	1.536	1.317	1.216	1.335	1.239	1.427
LTE Band 25_Ant 2	0.241	0.249	0.141	1.146	1.017	0.970	0.975	1.392	0.957	1.124	1.076	1.033	1.001	1.259	1.007	0.940	0.999	1.058	1.137	1.126	1.080	1.269	1.050	0.949	1.068	0.972	1.160
LTE Band 30_Ant 2	0.299	0.249	0.141	1.204	1.075	1.028	1.033	1.450	1.015	1.182	1.134	1.091	1.059	1.317	1.065	0.998	1.057	1.116	1.195	1.184	1.138	1.327	1.108	1.007	1.126	1.030	1.218
LTE Band 41_Ant 2	0.241	0.249	0.141	1.146	1.017	0.970	0.975	1.392	0.957	1.124	1.076	1.033	1.001	1.259	1.007	0.940	0.999	1.058	1.137	1.126	1.080	1.269	1.050	0.949	1.068	0.972	1.160
LTE Band 66_Ant 2	0.384	0.249	0.141	1.289	1.160	1.113	1.118	1.535	1.100	1.267	1.219	1.176	1.144	1.402	1.150	1.083	1.142	1.201	1.280	1.268	1.223	1.412	1.193	1.092	1.211	1.115	1.303
FR1 n7_Ant 2	0.548	0.249	0.141	1.453	1.324	1.277	1.282	1.699	1.264	1.431	1.383	1.340	1.308	1.566	1.314	1.247	1.306	1.365	1.444	1.433	1.387	1.576	1.357	1.256	1.375	1.279	1.467
FR1 n25_Ant 2	0.502	0.249	0.141	1.407	1.278	1.231	1.236	1.653	1.218	1.385	1.337	1.294	1.262	1.520	1.268	1.201	1.260	1.319	1.398	1.387	1.341	1.530	1.311	1.210	1.329	1.233	1.421
FR1 n30_Ant 2	0.340	0.249	0.141	1.245	1.116	1.069	1.074	1.491	1.056	1.223	1.175	1.132	1.100	1.358	1.106	1.039	1.098	1.157	1.236	1.225	1.179	1.368	1.149	1.048	1.167	1.071	1.259
FR1 n41_Ant 2	0.265	0.249	0.141	1.170	1.041	0.994	0.999	1.416	0.981	1.148	1.100	1.057	1.025	1.283	1.031	0.964	1.023	1.082	1.161	1.150	1.104	1.293	1.074	0.973	1.092	0.996	1.184
FR1 n66_Ant 2	0.420	0.249	0.141	1.325	1.196	1.149	1.154	1.571	1.136	1.303	1.255	1.212	1.180	1.438	1.186	1.119	1.178	1.237	1.316	1.305	1.259	1.448	1.229	1.128	1.247	1.151	1.339
FR1 n70_Ant 2	0.398	0.249	0.141	1.303	1.174	1.127	1.132	1.549	1.114	1.281	1.233	1.190	1.158	1.416	1.164	1.097	1.156	1.215	1.294	1.283	1.237	1.426	1.207	1.106	1.225	1.129	1.317

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.309	-52.5	-48.5	-207.0	102.1	1.699	0.02	Not required
BT Ant 4 + WLAN5G Ant 3+4	0.390	15.8	27.4	-207.0				



<Case 41>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM850_Ant 0	GSM1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.515	0.386	0.339	0.344	0.761	0.326	0.493	0.445	0.402	0.370	0.628	0.376	0.309	0.368	0.427	0.506	0.495	0.449	0.638	0.419	0.318	0.437	0.341	0.529
GSM1900_Ant 2	0.341	0.249	0.114	1.219	1.090	1.043	1.048	1.465	1.030	1.197	1.149	1.106	1.074	1.332	1.080	1.013	1.072	1.131	1.210	1.199	1.153	1.342	1.123	1.022	1.141	1.045	1.233
WCDMA II_Ant 2	0.406	0.249	0.114	1.284	1.155	1.108	1.113	1.530	1.095	1.262	1.214	1.171	1.139	1.397	1.145	1.078	1.137	1.196	1.275	1.264	1.218	1.407	1.188	1.087	1.206	1.110	1.298
WCDMA IV_Ant 2	0.347	0.249	0.114	1.225	1.096	1.049	1.054	1.471	1.036	1.203	1.155	1.112	1.080	1.338	1.086	1.019	1.078	1.137	1.216	1.205	1.159	1.348	1.129	1.028	1.147	1.051	1.239
LTE Band 7_Ant 2	0.508	0.249	0.114	1.386	1.257	1.210	1.215	1.632	1.197	1.364	1.316	1.273	1.241	1.499	1.247	1.180	1.239	1.298	1.377	1.366	1.320	1.509	1.290	1.189	1.308	1.212	1.400
LTE Band 25_Ant 2	0.241	0.249	0.114	1.119	0.990	0.943	0.948	1.365	0.930	1.097	1.049	1.006	0.974	1.232	0.980	0.913	0.972	1.031	1.110	1.099	1.053	1.242	1.023	0.922	1.041	0.945	1.133
LTE Band 30_Ant 2	0.299	0.249	0.114	1.177	1.048	1.001	1.006	1.423	0.988	1.155	1.107	1.064	1.032	1.290	1.038	0.971	1.030	1.089	1.168	1.157	1.111	1.300	1.081	0.980	1.099	1.003	1.191
LTE Band 41_Ant 2	0.241	0.249	0.114	1.119	0.990	0.943	0.948	1.365	0.930	1.097	1.049	1.006	0.974	1.232	0.980	0.913	0.972	1.031	1.110	1.099	1.053	1.242	1.023	0.922	1.041	0.945	1.133
LTE Band 66_Ant 2	0.384	0.249	0.114	1.262	1.133	1.086	1.091	1.508	1.073	1.240	1.192	1.149	1.117	1.375	1.123	1.056	1.115	1.174	1.253	1.242	1.196	1.385	1.166	1.065	1.184	1.088	1.276
FR1 n7_Ant 2	0.548	0.249	0.114	1.426	1.297	1.250	1.255	1.672	1.237	1.404	1.356	1.313	1.281	1.539	1.287	1.220	1.279	1.338	1.417	1.406	1.360	1.549	1.330	1.229	1.348	1.252	1.440
FR1 n25_Ant 2	0.502	0.249	0.114	1.380	1.251	1.204	1.209	1.626	1.191	1.358	1.310	1.267	1.235	1.493	1.241	1.174	1.233	1.292	1.371	1.360	1.314	1.503	1.284	1.183	1.302	1.206	1.394
FR1 n30_Ant 2	0.340	0.249	0.114	1.218	1.089	1.042	1.047	1.464	1.029	1.196	1.148	1.105	1.073	1.331	1.079	1.012	1.071	1.130	1.209	1.198	1.152	1.341	1.122	1.021	1.140	1.044	1.232
FR1 n41_Ant 2	0.265	0.249	0.114	1.143	1.014	0.967	0.972	1.389	0.954	1.121	1.073	1.030	0.998	1.256	1.004	0.937	0.996	1.055	1.134	1.123	1.077	1.266	1.047	0.946	1.065	0.969	1.157
FR1 n66_Ant 2	0.420	0.249	0.114	1.298	1.169	1.122	1.127	1.544	1.109	1.276	1.228	1.185	1.153	1.411	1.159	1.092	1.151	1.210	1.289	1.278	1.232	1.421	1.202	1.101	1.220	1.124	1.312
FR1 n70_Ant 2	0.398	0.249	0.114	1.276	1.147	1.100	1.105	1.522	1.087	1.254	1.206	1.163	1.131	1.389	1.137	1.070	1.129	1.188	1.267	1.256	1.210	1.399	1.180	1.079	1.198	1.102	1.290

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.309	-52.5	-48.5	-207.0	98.8	1.672	0.02	Not required
BT Ant 3+4 + WLAN5G Ant 3+4	0.363	13.5	25.0	-207.0				

<Case 42>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1+WLAN Ant3+4	0.846	-21.5	23.5	-207.0	72.1	1.69	0.03	Not required
WWAN_Ant 6	0.840	-25.0	-48.5	-207.0				

<Case 43>

Hybrid SPLSR calculation for antenna 2 and antenna (5+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.760	-25.0	57.5	-207.0	83.9	1.72	0.03	Not required
WWAN_Ant 5 + WLAN Ant 3+4	0.964	-23.4	-26.4	-207.0				

<Case 44>

SPLSR calculation for antenna 0,2

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.727	11.0	-50.0	-207.0	57.7	1.72	0.04	Not required
WWAN_Ant 0	0.994	-40.5	-76.0	-207.0				
WWAN_Ant 2	0.727	11.0	-50.0	-207.0	55.3	1.72	0.04	Not required
WWAN_Ant 0	0.994	-31.9	-84.9	-207.0				



<Case 64>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.846	-43.0	-74.5	-207.0	102.0	1.67	0.02	Not required
WWAN_Ant 1 + WLAN Ant 3+4	0.821	-63.0	25.5	-207.0				

<Case 65>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-8.9	-78.4	-207.0	52.9	1.69	0.04	Not required
WWAN_Ant 1 + WLAN Ant 3+4	0.884	44.0	-78.5	-207.0				

<Case 66>

SAR summation (blue colored) for each band of antenna 0,2,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n28 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)	0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500	
GSM1900_Ant 2	0.304	0.370	1.484	1.296	1.329	1.118	1.273	1.470	1.120	1.167	1.127	1.193	1.301	1.520	1.063	1.461	1.101	1.514	1.167	1.305	1.417	1.506	1.338	1.501	1.124	1.174
WCDMA II_Ant 2	0.353	0.370	1.533	1.345	1.378	1.167	1.322	1.519	1.169	1.216	1.176	1.242	1.350	1.569	1.112	1.510	1.150	1.563	1.216	1.354	1.468	1.555	1.387	1.550	1.173	1.223
WCDMA IV_Ant 2	0.325	0.370	1.505	1.317	1.350	1.139	1.294	1.491	1.141	1.188	1.148	1.214	1.322	1.541	1.084	1.482	1.122	1.535	1.188	1.326	1.438	1.527	1.359	1.522	1.145	1.195
LTE Band 7_Ant 2	0.652	0.370	1.732	1.544	1.577	1.366	1.521	1.718	1.368	1.415	1.375	1.441	1.549	1.768	1.311	1.709	1.349	1.762	1.415	1.653	1.665	1.754	1.586	1.749	1.372	1.422
LTE Band 25_Ant 2	0.265	0.370	1.445	1.257	1.290	1.079	1.234	1.431	1.081	1.128	1.088	1.154	1.262	1.481	1.024	1.422	1.062	1.475	1.128	1.266	1.378	1.467	1.299	1.462	1.085	1.135
LTE Band 30_Ant 2	0.368	0.370	1.548	1.360	1.393	1.182	1.337	1.534	1.184	1.231	1.191	1.257	1.365	1.584	1.127	1.525	1.165	1.578	1.231	1.368	1.481	1.570	1.402	1.565	1.188	1.238
LTE Band 41_Ant 2	0.619	0.370	1.799	1.611	1.644	1.433	1.588	1.785	1.435	1.482	1.442	1.508	1.616	1.835	1.378	1.776	1.416	1.829	1.482	1.620	1.732	1.821	1.653	1.816	1.439	1.489
LTE Band 66_Ant 2	0.352	0.370	1.532	1.344	1.377	1.166	1.321	1.518	1.168	1.215	1.175	1.241	1.349	1.568	1.111	1.509	1.149	1.562	1.215	1.353	1.465	1.554	1.386	1.549	1.172	1.222
FR1 n7_Ant 2	0.466	0.370	1.646	1.458	1.491	1.280	1.435	1.632	1.282	1.329	1.289	1.355	1.463	1.682	1.225	1.623	1.263	1.676	1.329	1.467	1.579	1.668	1.500	1.663	1.286	1.336
FR1 n25_Ant 2	0.330	0.370	1.510	1.322	1.355	1.144	1.299	1.496	1.146	1.193	1.153	1.219	1.327	1.546	1.089	1.487	1.127	1.540	1.193	1.331	1.443	1.532	1.364	1.527	1.150	1.200
FR1 n30_Ant 2	0.318	0.370	1.498	1.310	1.343	1.132	1.287	1.484	1.134	1.181	1.141	1.207	1.315	1.534	1.077	1.475	1.115	1.528	1.181	1.319	1.431	1.520	1.352	1.515	1.138	1.188
FR1 n41_Ant 2	0.419	0.370	1.599	1.411	1.444	1.233	1.388	1.585	1.235	1.282	1.242	1.308	1.416	1.635	1.178	1.576	1.216	1.629	1.282	1.420	1.532	1.621	1.453	1.616	1.239	1.289
FR1 n66_Ant 2	0.312	0.370	1.492	1.304	1.337	1.126	1.281	1.478	1.128	1.175	1.135	1.201	1.309	1.528	1.071	1.469	1.109	1.522	1.175	1.313	1.425	1.514	1.346	1.509	1.132	1.182
FR1 n70_Ant 2	0.296	0.370	1.476	1.288	1.321	1.110	1.265	1.462	1.112	1.159	1.119	1.185	1.293	1.512	1.055	1.453	1.093	1.506	1.159	1.297	1.409	1.498	1.330	1.493	1.116	1.166

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	9.5	-47.5	-207.0	127.3	1.835	0.02	Not required
WLAN2.4G Ant 4	0.370	-4.5	79.0	-207.0				



<Case 67>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)	0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500	
GSM1900_Ant 2	0.304	0.348	1.462	1.274	1.307	1.096	1.251	1.448	1.098	1.145	1.105	1.171	1.279	1.498	1.041	1.439	1.079	1.492	1.145	1.283	1.395	1.484	1.316	1.479	1.102	1.152
WCDMA II_Ant 2	0.353	0.348	1.511	1.323	1.356	1.145	1.300	1.497	1.147	1.194	1.154	1.220	1.328	1.547	1.090	1.488	1.128	1.541	1.194	1.332	1.444	1.533	1.365	1.528	1.151	1.201
WCDMA IV_Ant 2	0.325	0.348	1.483	1.295	1.328	1.117	1.272	1.469	1.119	1.166	1.126	1.192	1.300	1.519	1.062	1.460	1.100	1.513	1.166	1.304	1.416	1.505	1.337	1.500	1.123	1.173
LTE Band 7_Ant 2	0.552	0.348	1.710	1.522	1.555	1.344	1.499	1.696	1.346	1.393	1.353	1.419	1.527	1.746	1.289	1.687	1.327	1.740	1.393	1.531	1.643	1.732	1.564	1.727	1.350	1.400
LTE Band 25_Ant 2	0.265	0.348	1.423	1.235	1.268	1.057	1.212	1.409	1.059	1.106	1.066	1.132	1.240	1.459	1.002	1.400	1.040	1.453	1.106	1.244	1.356	1.445	1.277	1.440	1.063	1.113
LTE Band 30_Ant 2	0.368	0.348	1.526	1.338	1.371	1.160	1.315	1.512	1.162	1.209	1.169	1.235	1.343	1.562	1.105	1.503	1.143	1.556	1.209	1.347	1.459	1.548	1.380	1.543	1.166	1.216
LTE Band 41_Ant 2	0.619	0.348	1.777	1.589	1.622	1.411	1.566	1.763	1.413	1.460	1.420	1.486	1.594	1.813	1.356	1.754	1.394	1.807	1.460	1.598	1.710	1.799	1.631	1.794	1.417	1.467
LTE Band 66_Ant 2	0.352	0.348	1.510	1.322	1.355	1.144	1.299	1.496	1.146	1.193	1.153	1.219	1.327	1.546	1.089	1.487	1.127	1.540	1.193	1.331	1.443	1.532	1.364	1.527	1.150	1.200
FR1 n7_Ant 2	0.466	0.348	1.624	1.436	1.469	1.258	1.413	1.610	1.260	1.307	1.267	1.333	1.441	1.660	1.203	1.601	1.241	1.654	1.307	1.445	1.557	1.646	1.478	1.641	1.264	1.314
FR1 n25_Ant 2	0.330	0.348	1.488	1.300	1.333	1.122	1.277	1.474	1.124	1.171	1.131	1.197	1.305	1.524	1.067	1.465	1.105	1.518	1.171	1.309	1.421	1.510	1.342	1.505	1.128	1.178
FR1 n30_Ant 2	0.318	0.348	1.476	1.288	1.321	1.110	1.265	1.462	1.112	1.159	1.119	1.185	1.293	1.512	1.055	1.453	1.093	1.506	1.159	1.297	1.409	1.498	1.330	1.493	1.116	1.166
FR1 n41_Ant 2	0.419	0.348	1.577	1.389	1.422	1.211	1.366	1.563	1.213	1.260	1.220	1.286	1.394	1.613	1.156	1.554	1.194	1.607	1.260	1.398	1.510	1.599	1.431	1.594	1.217	1.267
FR1 n66_Ant 2	0.312	0.348	1.470	1.282	1.315	1.104	1.259	1.456	1.106	1.153	1.113	1.179	1.287	1.506	1.049	1.447	1.087	1.500	1.153	1.291	1.403	1.492	1.324	1.497	1.110	1.160
FR1 n70_Ant 2	0.296	0.348	1.454	1.266	1.299	1.088	1.243	1.440	1.090	1.137	1.097	1.163	1.271	1.490	1.033	1.431	1.071	1.484	1.137	1.275	1.387	1.476	1.308	1.471	1.094	1.144

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	-43.0	-74.5	-207.0	102.0	1.813	0.02	Not required
WLAN2.4G Ant 3+4	0.348	-63.0	25.5	-207.0				

<Case 68>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 5GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)	0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500	
GSM1900_Ant 2	0.304	0.283	1.397	1.209	1.242	1.031	1.186	1.383	1.033	1.080	1.040	1.106	1.214	1.433	0.976	1.374	1.014	1.427	1.080	1.218	1.330	1.419	1.251	1.414	1.037	1.087
WCDMA II_Ant 2	0.353	0.283	1.446	1.258	1.291	1.080	1.235	1.432	1.082	1.129	1.089	1.155	1.263	1.482	1.025	1.423	1.063	1.476	1.129	1.267	1.379	1.468	1.300	1.463	1.086	1.136
WCDMA IV_Ant 2	0.325	0.283	1.418	1.230	1.263	1.052	1.207	1.404	1.054	1.101	1.061	1.127	1.235	1.454	0.997	1.395	1.035	1.448	1.101	1.239	1.351	1.440	1.272	1.435	1.058	1.108
LTE Band 7_Ant 2	0.552	0.283	1.645	1.457	1.490	1.279	1.434	1.631	1.281	1.328	1.288	1.354	1.462	1.681	1.224	1.622	1.262	1.675	1.328	1.466	1.578	1.667	1.499	1.662	1.285	1.335
LTE Band 25_Ant 2	0.265	0.283	1.358	1.170	1.203	0.992	1.147	1.344	0.994	1.041	1.001	1.067	1.175	1.394	0.937	1.335	0.975	1.388	1.041	1.179	1.291	1.380	1.212	1.375	0.998	1.048
LTE Band 30_Ant 2	0.368	0.283	1.461	1.273	1.306	1.095	1.250	1.447	1.097	1.144	1.104	1.170	1.278	1.497	1.040	1.438	1.078	1.491	1.144	1.282	1.394	1.483	1.315	1.478	1.101	1.151
LTE Band 41_Ant 2	0.619	0.283	1.712	1.524	1.557	1.346	1.501	1.698	1.348	1.395	1.355	1.421	1.529	1.748	1.291	1.689	1.329	1.742	1.395	1.533	1.645	1.734	1.566	1.729	1.352	1.402
LTE Band 66_Ant 2	0.352	0.283	1.445	1.257	1.290	1.079	1.234	1.431	1.081	1.128	1.088	1.154	1.262	1.481	1.024	1.422	1.062	1.475	1.128	1.266	1.378	1.467	1.299	1.462	1.085	1.135
FR1 n7_Ant 2	0.466	0.283	1.559	1.371	1.404	1.193	1.348	1.545	1.195	1.242	1.202	1.268	1.376	1.595	1.138	1.536	1.176	1.589	1.242	1.380	1.492	1.581	1.413	1.576	1.199	1.249
FR1 n25_Ant 2	0.330	0.283	1.423	1.235	1.268	1.057	1.212	1.409	1.059	1.106	1.066	1.132	1.240	1.459	1.002	1.400	1.040	1.453	1.106	1.244	1.356	1.445	1.277	1.440	1.063	1.113
FR1 n30_Ant 2	0.318	0.283	1.411	1.223	1.256	1.045	1.200	1.397	1.047	1.094	1.054	1.120	1.228	1.447	0.990	1.388	1.028	1.441	1.094	1.232	1.344	1.433	1.265	1.428	1.051	1.101
FR1 n41_Ant 2	0.419	0.283	1.512	1.324	1.357	1.146	1.301	1.498	1.148	1.195	1.155	1.221	1.329	1.548	1.091	1.489	1.129	1.542	1.195	1.333	1.445	1.534	1.366	1.529	1.152	1.202
FR1 n66_Ant 2	0.312	0.283	1.405	1.217	1.250	1.039	1.194	1.391	1.041	1.088	1.048	1.114	1.222	1.441	0.984	1.382	1.022	1.435	1.088	1.226	1.338	1.427	1.259	1.422	1.045	1.095
FR1 n70_Ant 2	0.296	0.283	1.389	1.201	1.234	1.023	1.178	1.375	1.025	1.072	1.032	1.098	1.206	1.425	0.968	1.366	1.006	1.419	1.072	1.210	1.322	1.411	1.243	1.406	1.029	1.079

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	9.5	-47.5	-207.0	103.7	1.748	0.02	Not required
WLAN5G Ant 3+4	0.283	-58.2	31.0	-207.0				



<Case 69>

SPLSR calculation for antenna (0+2) and antenna 4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.628	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.654	0.371	0.686	0.357	0.529	
GSM1900_Ant 2	0.457	0.288	1.550	1.258	1.193	1.144	1.459	1.340	1.238	1.280	1.147	1.184	1.373	1.375	1.321	1.490	1.245	1.293	1.240	1.261	1.444	1.399	1.116	1.431	1.102	1.274
WCDMA II_Ant 2	0.479	0.288	1.572	1.280	1.215	1.166	1.481	1.362	1.260	1.302	1.169	1.206	1.395	1.397	1.343	1.512	1.267	1.315	1.262	1.283	1.466	1.421	1.138	1.453	1.124	1.296
WCDMA IV_Ant 2	0.433	0.288	1.526	1.234	1.169	1.120	1.435	1.316	1.214	1.256	1.123	1.160	1.349	1.351	1.297	1.466	1.221	1.269	1.216	1.237	1.420	1.375	1.092	1.407	1.078	1.250
LTE Band 7_Ant 2	0.508	0.288	1.601	1.309	1.244	1.195	1.510	1.391	1.289	1.331	1.198	1.235	1.424	1.426	1.372	1.541	1.296	1.344	1.291	1.312	1.495	1.450	1.167	1.482	1.153	1.325
LTE Band 25_Ant 2	0.286	0.288	1.379	1.087	1.022	0.973	1.288	1.169	1.067	1.109	0.976	1.013	1.202	1.204	1.150	1.319	1.074	1.122	1.069	1.090	1.273	1.228	0.945	1.260	0.931	1.103
LTE Band 30_Ant 2	0.299	0.288	1.392	1.100	1.035	0.986	1.301	1.182	1.080	1.122	0.989	1.026	1.215	1.217	1.163	1.332	1.087	1.135	1.082	1.103	1.286	1.241	0.958	1.273	0.944	1.116
LTE Band 41_Ant 2	0.265	0.288	1.358	1.066	1.001	0.952	1.267	1.148	1.046	1.088	0.955	0.992	1.181	1.183	1.129	1.298	1.053	1.101	1.048	1.069	1.252	1.207	0.924	1.239	0.910	1.082
LTE Band 66_Ant 2	0.384	0.288	1.477	1.185	1.120	1.071	1.386	1.267	1.165	1.207	1.074	1.111	1.300	1.302	1.248	1.417	1.172	1.220	1.167	1.188	1.371	1.326	1.043	1.358	1.029	1.201
FR1 n7_Ant 2	0.548	0.288	1.641	1.349	1.284	1.235	1.550	1.431	1.329	1.371	1.238	1.275	1.464	1.466	1.412	1.581	1.336	1.384	1.331	1.352	1.535	1.490	1.207	1.522	1.193	1.365
FR1 n25_Ant 2	0.502	0.288	1.595	1.303	1.238	1.189	1.504	1.385	1.283	1.325	1.192	1.229	1.418	1.420	1.366	1.535	1.290	1.338	1.285	1.306	1.489	1.444	1.161	1.476	1.147	1.319
FR1 n30_Ant 2	0.357	0.288	1.450	1.158	1.093	1.044	1.359	1.240	1.138	1.180	1.047	1.084	1.273	1.275	1.221	1.390	1.145	1.193	1.140	1.161	1.344	1.299	1.016	1.331	1.002	1.174
FR1 n41_Ant 2	0.357	0.288	1.450	1.158	1.093	1.044	1.359	1.240	1.138	1.180	1.047	1.084	1.273	1.275	1.221	1.390	1.145	1.193	1.140	1.161	1.344	1.299	1.016	1.331	1.002	1.174
FR1 n66_Ant 2	0.436	0.288	1.529	1.237	1.172	1.123	1.438	1.319	1.217	1.259	1.126	1.163	1.352	1.354	1.300	1.469	1.224	1.272	1.219	1.240	1.423	1.378	1.095	1.410	1.081	1.253
FR1 n70_Ant 2	0.409	0.288	1.502	1.210	1.145	1.096	1.411	1.292	1.190	1.232	1.099	1.136	1.325	1.327	1.273	1.442	1.197	1.245	1.192	1.213	1.396	1.351	1.068	1.383	1.054	1.226

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-52.5	-48.5	-207.0	126.4	1.641	0.02	Not required
WLAN2.4G Ant 4	0.288	-42.5	77.5	-207.0				

<Case 70>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.628	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.654	0.371	0.686	0.357	0.529	
GSM1900_Ant 2	0.457	0.258	1.520	1.228	1.163	1.114	1.429	1.310	1.208	1.250	1.117	1.154	1.343	1.345	1.291	1.460	1.215	1.263	1.210	1.231	1.414	1.369	1.086	1.401	1.072	1.244
WCDMA II_Ant 2	0.479	0.258	1.542	1.250	1.185	1.136	1.451	1.332	1.230	1.272	1.139	1.176	1.365	1.367	1.313	1.482	1.237	1.285	1.232	1.253	1.436	1.391	1.108	1.423	1.094	1.266
WCDMA IV_Ant 2	0.433	0.258	1.496	1.204	1.139	1.090	1.405	1.286	1.184	1.226	1.093	1.130	1.319	1.321	1.267	1.436	1.191	1.239	1.186	1.207	1.390	1.345	1.062	1.377	1.048	1.220
LTE Band 7_Ant 2	0.508	0.258	1.571	1.279	1.214	1.165	1.480	1.361	1.259	1.301	1.168	1.205	1.394	1.396	1.342	1.511	1.266	1.314	1.261	1.282	1.465	1.420	1.137	1.452	1.123	1.295
LTE Band 25_Ant 2	0.286	0.258	1.349	1.057	0.992	0.943	1.258	1.139	1.037	1.079	0.946	0.983	1.172	1.174	1.120	1.289	1.044	1.092	1.039	1.060	1.243	1.198	0.915	1.230	0.901	1.073
LTE Band 30_Ant 2	0.299	0.258	1.362	1.070	1.005	0.956	1.271	1.152	1.050	1.092	0.959	0.996	1.185	1.187	1.133	1.302	1.057	1.105	1.052	1.073	1.256	1.211	0.928	1.243	0.914	1.086
LTE Band 41_Ant 2	0.265	0.258	1.328	1.036	0.971	0.922	1.237	1.118	1.016	1.058	0.925	0.962	1.151	1.153	1.099	1.288	1.023	1.071	1.018	1.039	1.222	1.177	0.894	1.209	0.880	1.052
LTE Band 66_Ant 2	0.384	0.258	1.447	1.155	1.090	1.041	1.356	1.237	1.135	1.177	1.044	1.081	1.270	1.272	1.218	1.387	1.142	1.190	1.137	1.158	1.341	1.296	1.013	1.328	0.999	1.171
FR1 n7_Ant 2	0.548	0.258	1.611	1.319	1.254	1.205	1.520	1.401	1.299	1.341	1.208	1.245	1.434	1.436	1.382	1.551	1.306	1.354	1.301	1.322	1.505	1.460	1.177	1.492	1.163	1.335
FR1 n25_Ant 2	0.502	0.258	1.565	1.273	1.208	1.159	1.474	1.355	1.253	1.295	1.162	1.199	1.388	1.390	1.336	1.505	1.260	1.308	1.255	1.276	1.459	1.414	1.131	1.446	1.117	1.289
FR1 n30_Ant 2	0.357	0.258	1.420	1.128	1.063	1.014	1.329	1.210	1.108	1.150	1.017	1.054	1.243	1.245	1.191	1.360	1.115	1.163	1.110	1.131	1.314	1.269	0.986	1.301	0.972	1.144
FR1 n41_Ant 2	0.357	0.258	1.420	1.128	1.063	1.014	1.329	1.210	1.108	1.150	1.017	1.054	1.243	1.245	1.191	1.360	1.115	1.163	1.110	1.131	1.314	1.269	0.986	1.301	0.972	1.144
FR1 n66_Ant 2	0.436	0.258	1.499	1.207	1.142	1.093	1.408	1.289	1.187	1.229	1.096	1.133	1.322	1.324	1.270	1.439	1.194	1.242	1.189	1.210	1.393	1.348	1.065	1.380	1.051	1.223
FR1 n70_Ant 2	0.409	0.258	1.472	1.180	1.115	1.066	1.381	1.262	1.160	1.202	1.069	1.106	1.295	1.297	1.243	1.412	1.167	1.215	1.162	1.183	1.366	1.321	1.038	1.353	1.024	1.196

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-15.6	-81.9	-207.0	59.7	1.611	0.03	Not required
WLAN2.4G Ant 3+4	0.258	44.0	-78.5	-207.0				



<Case 71>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 5GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II _Ant 0	WCDMA IV _Ant 0	WCDMA V _Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n74 Ant 0
Back	1g SAR (W/kg)	0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.628	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.654	0.371	0.686	0.357	0.529	
GSM1900_Ant 2	0.457	0.264	1.526	1.234	1.169	1.120	1.435	1.316	1.214	1.256	1.123	1.160	1.349	1.351	1.297	1.466	1.221	1.269	1.216	1.237	1.420	1.375	1.092	1.407	1.078	1.250
WCDMA II_Ant 2	0.479	0.264	1.548	1.256	1.191	1.142	1.457	1.338	1.236	1.278	1.145	1.182	1.371	1.373	1.319	1.488	1.243	1.291	1.238	1.259	1.442	1.397	1.114	1.429	1.100	1.272
WCDMA IV_Ant 2	0.433	0.264	1.502	1.210	1.145	1.096	1.411	1.292	1.190	1.232	1.099	1.136	1.325	1.327	1.273	1.442	1.197	1.245	1.192	1.213	1.396	1.351	1.068	1.383	1.054	1.226
LTE Band 7_Ant 2	0.508	0.264	1.577	1.285	1.220	1.171	1.486	1.367	1.265	1.307	1.174	1.211	1.400	1.402	1.348	1.517	1.272	1.320	1.267	1.288	1.471	1.426	1.143	1.458	1.129	1.301
LTE Band 25_Ant 2	0.286	0.264	1.355	1.063	0.998	0.949	1.264	1.145	1.043	1.085	0.952	0.989	1.178	1.180	1.126	1.295	1.050	1.098	1.045	1.066	1.249	1.204	0.921	1.236	0.907	1.079
LTE Band 30_Ant 2	0.299	0.264	1.368	1.076	1.011	0.962	1.277	1.158	1.056	1.098	0.965	1.002	1.191	1.193	1.139	1.308	1.063	1.111	1.058	1.079	1.262	1.217	0.934	1.249	0.920	1.092
LTE Band 41_Ant 2	0.265	0.264	1.334	1.042	0.977	0.928	1.243	1.124	1.022	1.064	0.931	0.968	1.157	1.159	1.105	1.274	1.029	1.077	1.024	1.045	1.228	1.183	0.900	1.215	0.886	1.058
LTE Band 66_Ant 2	0.384	0.264	1.453	1.161	1.096	1.047	1.362	1.243	1.141	1.183	1.050	1.087	1.276	1.278	1.224	1.393	1.148	1.196	1.143	1.164	1.347	1.302	1.019	1.334	1.005	1.177
FR1 n7_Ant 2	0.548	0.264	1.617	1.325	1.260	1.211	1.526	1.407	1.305	1.347	1.214	1.251	1.440	1.442	1.388	1.557	1.312	1.360	1.307	1.328	1.511	1.466	1.183	1.498	1.169	1.341
FR1 n25_Ant 2	0.502	0.264	1.571	1.279	1.214	1.165	1.480	1.361	1.259	1.301	1.168	1.205	1.394	1.396	1.342	1.511	1.266	1.314	1.261	1.282	1.465	1.420	1.137	1.452	1.123	1.295
FR1 n30_Ant 2	0.357	0.264	1.426	1.134	1.069	1.020	1.335	1.216	1.114	1.156	1.023	1.060	1.249	1.251	1.197	1.366	1.121	1.169	1.116	1.137	1.320	1.275	0.992	1.307	0.978	1.150
FR1 n41_Ant 2	0.357	0.264	1.426	1.134	1.069	1.020	1.335	1.216	1.114	1.156	1.023	1.060	1.249	1.251	1.197	1.366	1.121	1.169	1.116	1.137	1.320	1.275	0.992	1.307	0.978	1.150
FR1 n66_Ant 2	0.436	0.264	1.505	1.213	1.148	1.099	1.414	1.295	1.193	1.235	1.102	1.139	1.328	1.330	1.276	1.445	1.200	1.248	1.195	1.216	1.399	1.354	1.071	1.396	1.057	1.229
FR1 n70_Ant 2	0.409	0.264	1.478	1.186	1.121	1.072	1.387	1.268	1.166	1.208	1.075	1.112	1.301	1.303	1.249	1.418	1.173	1.221	1.168	1.189	1.372	1.327	1.044	1.359	1.030	1.202

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-19.9	-75.4	-207.0	114.9	1.617	0.02	Not required
WLAN5G Ant 3+4	0.264	13.1	34.7	-207.0				



<Case 72>

SAR summation (blue colored) for each band of antenna 0,4,7

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)	0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500	
LTE Band 48_Ant 7	0.418	0.370	1.598	1.410	1.443	1.232	1.387	1.584	1.234	1.281	1.241	1.307	1.415	1.634	1.177	1.575	1.215	1.628	1.281	1.419	1.531	1.620	1.452	1.615	1.238	1.288
FR1 n48_Ant 7	0.507	0.370	1.687	1.499	1.532	1.321	1.476	1.673	1.323	1.370	1.330	1.396	1.504	1.723	1.266	1.664	1.304	1.717	1.370	1.506	1.620	1.709	1.541	1.704	1.327	1.377
FR1 n77_Ant 7	0.481	0.370	1.661	1.473	1.506	1.295	1.450	1.647	1.297	1.344	1.304	1.370	1.478	1.697	1.240	1.638	1.278	1.691	1.344	1.482	1.594	1.683	1.515	1.678	1.301	1.351

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	2.0	-57.0	-207.0	136.2	1.723	0.02	Not required
WLAN2.4G Ant 4	0.370	-4.5	79.0	-207.0				

<Case 73>

SAR summation (blue colored) for each band of antenna 0,3,4,7

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)	0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500	
LTE Band 48_Ant 7	0.418	0.348	1.576	1.388	1.421	1.210	1.365	1.562	1.212	1.259	1.219	1.285	1.393	1.612	1.155	1.553	1.193	1.606	1.259	1.397	1.509	1.598	1.430	1.593	1.216	1.266
FR1 n48_Ant 7	0.507	0.348	1.665	1.477	1.510	1.299	1.454	1.651	1.301	1.348	1.308	1.374	1.482	1.701	1.244	1.642	1.282	1.695	1.348	1.486	1.598	1.687	1.519	1.682	1.305	1.355
FR1 n77_Ant 7	0.481	0.348	1.639	1.451	1.484	1.273	1.428	1.625	1.275	1.322	1.282	1.348	1.456	1.675	1.218	1.616	1.256	1.668	1.322	1.460	1.572	1.661	1.493	1.656	1.279	1.329

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.0	-74.5	-207.0	102.0	1.701	0.02	Not required
WLAN2.4G Ant 3+4	0.348	-63.0	25.5	-207.0				

<Case 74>

SAR summation (blue colored) for each band of antenna 0,3,4,7

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)	0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500	
LTE Band 48_Ant 7	0.418	0.283	1.511	1.323	1.356	1.145	1.300	1.497	1.147	1.194	1.154	1.220	1.328	1.547	1.090	1.488	1.128	1.541	1.194	1.332	1.444	1.533	1.365	1.528	1.151	1.201
FR1 n48_Ant 7	0.507	0.283	1.600	1.412	1.445	1.234	1.389	1.586	1.236	1.283	1.243	1.309	1.417	1.636	1.179	1.577	1.217	1.630	1.283	1.421	1.533	1.622	1.454	1.617	1.240	1.290
FR1 n77_Ant 7	0.481	0.283	1.574	1.386	1.419	1.208	1.363	1.560	1.210	1.257	1.217	1.283	1.391	1.610	1.153	1.551	1.191	1.604	1.257	1.395	1.507	1.596	1.428	1.591	1.214	1.264

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.0	-74.5	-207.0	106.6	1.636	0.02	Not required
WLAN5G Ant 3+4	0.283	-58.2	31.0	-207.0				



<Case 75>

Hybrid SPLSR calculation for antenna (2+6) and antenna 4

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2+WWAN_Ant 6	1.281	-46.0	-59.5	-207.0	86.7	1.651	0.02	Not required
WLAN2.4GHz Ant 4	0.370	-63.0	25.5	-207.0				

<Case 76>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.846	-43.0	-74.5	-207.0	97.9	1.803	0.02	Not required
WWAN_Ant 1 + WLAN Ant 3+4	0.957	-66.5	20.5	-207.0				

<Case 77>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-12.5	-72.5	-207.0	98.0	1.83	0.03	Not required
WWAN_Ant 1 + WLAN Ant 3+4	1.025	11.5	22.5	-207.0				

<Case 78>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
GSM1900_Ant 2	0.304	0.048	0.283	1.445	1.257	1.290	1.079	1.234	1.431	1.081	1.128	1.088	1.154	1.262	1.481	1.024	1.422	1.062	1.475	1.128	1.266	1.378	1.467	1.299	1.462	1.085	1.135
WCDMA II_Ant 2	0.353	0.048	0.283	1.494	1.306	1.339	1.128	1.283	1.480	1.130	1.177	1.137	1.203	1.311	1.530	1.073	1.471	1.111	1.524	1.177	1.315	1.427	1.516	1.348	1.511	1.134	1.184
WCDMA IV_Ant 2	0.325	0.048	0.283	1.466	1.278	1.311	1.100	1.255	1.452	1.102	1.149	1.109	1.175	1.283	1.502	1.045	1.443	1.083	1.496	1.149	1.287	1.399	1.488	1.320	1.483	1.106	1.156
LTE Band 7_Ant 2	0.552	0.048	0.283	1.693	1.505	1.538	1.327	1.482	1.679	1.329	1.376	1.336	1.402	1.510	1.729	1.272	1.670	1.310	1.723	1.376	1.514	1.626	1.715	1.547	1.710	1.333	1.383
LTE Band 25_Ant 2	0.265	0.048	0.283	1.406	1.218	1.251	1.040	1.195	1.392	1.042	1.089	1.049	1.115	1.223	1.442	0.985	1.383	1.023	1.436	1.089	1.227	1.339	1.428	1.260	1.423	1.046	1.096
LTE Band 30_Ant 2	0.368	0.048	0.283	1.509	1.321	1.354	1.143	1.298	1.495	1.145	1.192	1.152	1.218	1.326	1.545	1.088	1.486	1.126	1.539	1.192	1.330	1.442	1.531	1.363	1.526	1.149	1.199
LTE Band 41_Ant 2	0.619	0.048	0.283	1.760	1.572	1.605	1.394	1.549	1.746	1.396	1.443	1.403	1.469	1.577	1.796	1.339	1.737	1.377	1.790	1.443	1.581	1.693	1.782	1.614	1.777	1.400	1.450
LTE Band 66_Ant 2	0.352	0.048	0.283	1.493	1.305	1.338	1.127	1.282	1.479	1.129	1.176	1.136	1.202	1.310	1.529	1.072	1.470	1.110	1.523	1.176	1.314	1.426	1.515	1.347	1.510	1.133	1.183
FR1 n7_Ant 2	0.466	0.048	0.283	1.607	1.419	1.452	1.241	1.396	1.593	1.243	1.290	1.250	1.316	1.424	1.643	1.186	1.584	1.224	1.637	1.290	1.428	1.540	1.629	1.461	1.624	1.247	1.297
FR1 n25_Ant 2	0.330	0.048	0.283	1.471	1.283	1.316	1.105	1.260	1.457	1.107	1.154	1.114	1.180	1.288	1.507	1.050	1.448	1.088	1.501	1.154	1.292	1.404	1.493	1.325	1.488	1.111	1.161
FR1 n30_Ant 2	0.318	0.048	0.283	1.459	1.271	1.304	1.093	1.248	1.445	1.095	1.142	1.102	1.168	1.276	1.485	1.038	1.436	1.076	1.489	1.142	1.280	1.392	1.481	1.313	1.476	1.099	1.149
FR1 n41_Ant 2	0.419	0.048	0.283	1.560	1.372	1.405	1.194	1.349	1.546	1.196	1.243	1.203	1.269	1.377	1.596	1.139	1.537	1.177	1.590	1.243	1.381	1.493	1.582	1.414	1.577	1.200	1.250
FR1 n66_Ant 2	0.312	0.048	0.283	1.453	1.265	1.298	1.087	1.242	1.439	1.089	1.136	1.096	1.162	1.270	1.489	1.032	1.430	1.070	1.483	1.136	1.274	1.386	1.475	1.307	1.470	1.093	1.143
FR1 n70_Ant 2	0.296	0.048	0.283	1.437	1.249	1.282	1.071	1.226	1.423	1.073	1.120	1.080	1.146	1.254	1.473	1.016	1.414	1.054	1.467	1.120	1.258	1.370	1.459	1.291	1.454	1.077	1.127

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	-43.0	-74.5	-207.0	101.0	1.796	0.02	Not required
WLAN2.4G Ant 3 + WLAN5G Ant 3+4	0.331	-65.5	24.0	-207.0				



<Case 79>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	WLAN 5GHz Ant 4+3	GSM 850_Ant 0	GSM 1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
GSM1900_Ant 2	0.304	0.204	0.283	1.601	1.413	1.446	1.235	1.390	1.587	1.237	1.284	1.244	1.310	1.418	1.637	1.180	1.578	1.218	1.631	1.284	1.422	1.534	1.623	1.455	1.618	1.241	1.291
WCDMA II_Ant 2	0.353	0.204	0.283	1.650	1.462	1.495	1.284	1.439	1.636	1.286	1.333	1.293	1.359	1.467	1.686	1.229	1.627	1.267	1.680	1.333	1.471	1.583	1.672	1.504	1.667	1.290	1.340
WCDMA IV_Ant 2	0.325	0.204	0.283	1.622	1.434	1.467	1.256	1.411	1.608	1.258	1.305	1.265	1.331	1.439	1.658	1.201	1.599	1.239	1.652	1.305	1.443	1.555	1.644	1.476	1.639	1.262	1.312
LTE Band 7_Ant 2	0.552	0.204	0.283	1.849	1.661	1.694	1.483	1.638	1.835	1.485	1.532	1.492	1.558	1.666	1.885	1.428	1.826	1.466	1.879	1.532	1.670	1.782	1.871	1.703	1.866	1.489	1.539
LTE Band 25_Ant 2	0.285	0.204	0.283	1.562	1.374	1.407	1.196	1.351	1.548	1.198	1.245	1.205	1.271	1.379	1.598	1.141	1.539	1.179	1.592	1.245	1.383	1.495	1.584	1.416	1.579	1.202	1.252
LTE Band 30_Ant 2	0.368	0.204	0.283	1.665	1.477	1.510	1.299	1.454	1.651	1.301	1.348	1.308	1.374	1.482	1.701	1.244	1.642	1.282	1.695	1.348	1.486	1.598	1.687	1.519	1.682	1.305	1.355
LTE Band 41_Ant 2	0.619	0.204	0.283	1.916	1.728	1.761	1.550	1.705	1.902	1.552	1.599	1.559	1.625	1.733	1.952	1.495	1.893	1.533	1.946	1.599	1.737	1.849	1.938	1.770	1.933	1.556	1.606
LTE Band 66_Ant 2	0.352	0.204	0.283	1.649	1.461	1.494	1.283	1.438	1.635	1.285	1.332	1.292	1.358	1.466	1.685	1.228	1.626	1.266	1.679	1.332	1.470	1.582	1.671	1.503	1.666	1.289	1.339
FR1 n7_Ant 2	0.466	0.204	0.283	1.763	1.575	1.608	1.397	1.552	1.749	1.399	1.446	1.406	1.472	1.580	1.799	1.342	1.740	1.380	1.793	1.446	1.584	1.696	1.785	1.617	1.780	1.403	1.453
FR1 n25_Ant 2	0.330	0.204	0.283	1.627	1.439	1.472	1.261	1.416	1.613	1.263	1.310	1.270	1.336	1.444	1.663	1.206	1.604	1.244	1.657	1.310	1.448	1.560	1.649	1.481	1.644	1.267	1.317
FR1 n30_Ant 2	0.318	0.204	0.283	1.615	1.427	1.460	1.249	1.404	1.601	1.251	1.298	1.258	1.324	1.432	1.651	1.194	1.592	1.232	1.645	1.298	1.436	1.548	1.637	1.469	1.632	1.255	1.305
FR1 n41_Ant 2	0.419	0.204	0.283	1.716	1.528	1.561	1.350	1.505	1.702	1.352	1.399	1.359	1.425	1.533	1.752	1.295	1.693	1.333	1.746	1.399	1.537	1.649	1.738	1.570	1.733	1.356	1.406
FR1 n66_Ant 2	0.312	0.204	0.283	1.609	1.421	1.454	1.243	1.398	1.595	1.245	1.292	1.252	1.318	1.426	1.645	1.188	1.586	1.226	1.639	1.292	1.430	1.542	1.631	1.463	1.626	1.249	1.299
FR1 n70_Ant 2	0.296	0.204	0.283	1.593	1.405	1.438	1.227	1.382	1.579	1.229	1.276	1.236	1.302	1.410	1.629	1.172	1.570	1.210	1.623	1.276	1.414	1.526	1.615	1.447	1.610	1.233	1.283

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

SAR	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	5.6	-45.9	-207.0	99.9	1.952	0.03	Not required
WLAN2.4G Ant 4 + WLAN5G Ant 3+4	0.487	-58.2	31.0	-207.0				

<Case 80>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5GHz Ant 4+3	GSM850_Ant 0	GSM1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
GSM1900_Ant 2	0.304	0.223	0.283	1.620	1.432	1.465	1.254	1.409	1.606	1.256	1.303	1.263	1.329	1.437	1.656	1.199	1.597	1.237	1.650	1.303	1.441	1.553	1.642	1.474	1.637	1.260	1.310
WCDMA II_Ant 2	0.353	0.223	0.283	1.669	1.481	1.514	1.303	1.458	1.655	1.305	1.352	1.312	1.378	1.486	1.705	1.248	1.646	1.286	1.699	1.352	1.490	1.602	1.691	1.523	1.686	1.309	1.359
WCDMA IV_Ant 2	0.325	0.223	0.283	1.641	1.453	1.486	1.275	1.430	1.627	1.277	1.324	1.284	1.350	1.458	1.677	1.220	1.618	1.258	1.671	1.324	1.462	1.574	1.663	1.495	1.658	1.281	1.331
LTE Band 7_Ant 2	0.552	0.223	0.283	1.868	1.680	1.713	1.502	1.657	1.854	1.504	1.551	1.511	1.577	1.685	1.904	1.447	1.845	1.485	1.898	1.551	1.689	1.801	1.890	1.722	1.885	1.508	1.558
LTE Band 25_Ant 2	0.265	0.223	0.283	1.581	1.393	1.426	1.215	1.370	1.567	1.217	1.264	1.224	1.290	1.398	1.617	1.160	1.558	1.198	1.611	1.264	1.402	1.514	1.603	1.435	1.598	1.221	1.271
LTE Band 30_Ant 2	0.368	0.223	0.283	1.684	1.496	1.529	1.318	1.473	1.670	1.320	1.367	1.327	1.393	1.501	1.720	1.263	1.661	1.301	1.714	1.367	1.505	1.617	1.706	1.538	1.701	1.324	1.374
LTE Band 41_Ant 2	0.619	0.223	0.283	1.935	1.747	1.780	1.569	1.724	1.921	1.571	1.618	1.578	1.644	1.752	1.971	1.514	1.912	1.552	1.965	1.618	1.756	1.868	1.957	1.789	1.952	1.575	1.625
LTE Band 66_Ant 2	0.352	0.223	0.283	1.668	1.480	1.513	1.302	1.457	1.654	1.304	1.351	1.311	1.377	1.485	1.704	1.247	1.645	1.285	1.698	1.351	1.489	1.601	1.690	1.522	1.685	1.308	1.358
FR1 n7_Ant 2	0.466	0.223	0.283	1.782	1.594	1.627	1.416	1.571	1.768	1.418	1.465	1.425	1.491	1.599	1.818	1.361	1.759	1.399	1.812	1.465	1.603	1.715	1.804	1.636	1.799	1.422	1.472
FR1 n25_Ant 2	0.330	0.223	0.283	1.646	1.458	1.491	1.280	1.435	1.632	1.282	1.329	1.289	1.355	1.463	1.682	1.225	1.623	1.263	1.676	1.329	1.467	1.579	1.668	1.500	1.663	1.286	1.336
FR1 n30_Ant 2	0.318	0.223	0.283	1.634	1.446	1.479	1.268	1.423	1.620	1.270	1.317	1.277	1.343	1.451	1.670	1.213	1.611	1.251	1.664	1.317	1.455	1.567	1.656	1.488	1.651	1.274	1.324
FR1 n41_Ant 2	0.419	0.223	0.283	1.735	1.547	1.580	1.369	1.524	1.721	1.371	1.418	1.378	1.444	1.552	1.771	1.314	1.712	1.352	1.765	1.418	1.556	1.668	1.757	1.589	1.752	1.375	1.425
FR1 n66_Ant 2	0.312	0.223	0.283	1.628	1.440	1.473	1.262	1.417	1.614	1.264	1.311	1.271	1.337	1.445	1.664	1.207	1.605	1.245	1.658	1.311	1.449	1.561	1.650	1.482	1.645	1.268	1.318
FR1 n70_Ant 2	0.296	0.223	0.283	1.612	1.424	1.457	1.246	1.401	1.598	1.248	1.295	1.255	1.321	1.429	1.648	1.191	1.589	1.229	1.642	1.295	1.433	1.545	1.634	1.466	1.629	1.252	1.302

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	5.6	-45.9	-207.0	99.9	1.971	0.03	Not required
WLAN2.4G Ant 3+4 + WLAN5G Ant 3+4	0.506	-58.2	31.0	-207.0				



<Case 81>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 3, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71) and 23 rows of SAR data.

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Table with 8 columns: Band, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include WWAN_Ant 0+2 and WLAN2.4G Ant 3 + WLAN5G Ant 3+4.

<Case 82>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 3, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71) and 23 rows of SAR data.

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Table with 8 columns: Band, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include WWAN_Ant 0+2 and WLAN2.4G Ant 4 + WLAN5G Ant 3+4.



<Case 83>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5GHz Ant 4+3	GSM 850_Ant 0	GSM 1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 33_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.760	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.684	0.371	0.686	0.357	0.529	
GSM1900_Ant 2	0.457	0.157	0.264	1.683	1.391	1.326	1.277	1.592	1.473	1.371	1.413	1.280	1.317	1.638	1.508	1.454	1.623	1.378	1.426	1.373	1.394	1.577	1.532	1.249	1.564	1.235	1.407	
WCDMA II_Ant 2	0.479	0.157	0.264	1.705	1.413	1.348	1.299	1.614	1.495	1.393	1.435	1.302	1.339	1.660	1.530	1.476	1.645	1.400	1.448	1.395	1.415	1.599	1.554	1.271	1.586	1.257	1.429	
WCDMA IV_Ant 2	0.433	0.157	0.264	1.659	1.367	1.302	1.253	1.568	1.449	1.347	1.389	1.256	1.293	1.614	1.484	1.430	1.599	1.354	1.402	1.349	1.370	1.553	1.508	1.225	1.540	1.211	1.383	
LTE Band 7_Ant 2	0.508	0.157	0.264	1.734	1.442	1.377	1.328	1.643	1.524	1.422	1.464	1.331	1.368	1.689	1.559	1.505	1.674	1.429	1.477	1.424	1.445	1.628	1.583	1.300	1.615	1.286	1.458	
LTE Band 25_Ant 2	0.286	0.157	0.264	1.512	1.220	1.155	1.106	1.421	1.302	1.200	1.242	1.109	1.146	1.467	1.337	1.283	1.452	1.207	1.255	1.202	1.223	1.406	1.361	1.078	1.393	1.064	1.236	
LTE Band 30_Ant 2	0.299	0.157	0.264	1.525	1.233	1.168	1.119	1.434	1.315	1.213	1.255	1.122	1.159	1.480	1.350	1.296	1.465	1.220	1.268	1.215	1.236	1.419	1.374	1.091	1.406	1.077	1.249	
LTE Band 41_Ant 2	0.265	0.157	0.264	1.491	1.199	1.134	1.085	1.400	1.281	1.179	1.221	1.088	1.125	1.446	1.316	1.262	1.431	1.186	1.234	1.181	1.202	1.385	1.340	1.057	1.372	1.043	1.215	
LTE Band 66_Ant 2	0.384	0.157	0.264	1.610	1.318	1.253	1.204	1.519	1.400	1.298	1.340	1.207	1.244	1.565	1.435	1.381	1.550	1.305	1.353	1.300	1.321	1.504	1.459	1.176	1.491	1.162	1.334	
FR1 n7_Ant 2	0.548	0.157	0.264	1.774	1.482	1.417	1.368	1.683	1.564	1.462	1.504	1.371	1.408	1.729	1.599	1.545	1.714	1.469	1.517	1.464	1.485	1.668	1.623	1.340	1.655	1.326	1.498	
FR1 n25_Ant 2	0.502	0.157	0.264	1.728	1.436	1.371	1.322	1.637	1.518	1.416	1.458	1.325	1.362	1.683	1.553	1.499	1.668	1.423	1.471	1.416	1.439	1.622	1.577	1.294	1.609	1.280	1.452	
FR1 n30_Ant 2	0.357	0.157	0.264	1.583	1.291	1.226	1.177	1.492	1.373	1.271	1.313	1.180	1.217	1.538	1.408	1.354	1.523	1.278	1.326	1.273	1.294	1.477	1.432	1.149	1.464	1.135	1.307	
FR1 n41_Ant 2	0.357	0.157	0.264	1.583	1.291	1.226	1.177	1.492	1.373	1.271	1.313	1.180	1.217	1.538	1.408	1.354	1.523	1.278	1.326	1.273	1.294	1.477	1.432	1.149	1.464	1.135	1.307	
FR1 n66_Ant 2	0.436	0.157	0.264	1.662	1.370	1.305	1.256	1.571	1.452	1.350	1.392	1.259	1.296	1.617	1.487	1.433	1.602	1.357	1.405	1.352	1.373	1.556	1.511	1.228	1.543	1.214	1.386	
FR1 n70_Ant 2	0.409	0.157	0.264	1.635	1.343	1.278	1.229	1.544	1.425	1.323	1.365	1.232	1.269	1.590	1.460	1.406	1.575	1.330	1.378	1.325	1.346	1.529	1.484	1.201	1.516	1.187	1.359	

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-52.5	-48.5	-207.0	95.6	1.774	0.02	Not required
WLAN2.4G Ant 3+4 + WLAN5G Ant 3+4	0.421	11.5	22.5	-207.0				

<Case 84>

Hybrid SPLSR calculation for antenna 0 and antenna (5+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.846	-43.0	-74.5	-207.0	97.9	1.70	0.02	Not required
WWAN_Ant 5 + WLAN Ant 3+4	0.851	-66.5	20.5	-207.0				

<Case 85>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-8.9	-78.4	-207.0	102.9	1.70	0.02	Not required
WWAN_Ant 1 + WLAN Ant 3+4	0.891	11.5	22.5	-207.0				



<Case 86>

SAR summation (blue colored) for each band of antenna 0,3,4,7

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
LTE Band 48_Ant 7	0.418	0.048	0.283	1.559	1.371	1.404	1.193	1.348	1.545	1.195	1.242	1.202	1.268	1.376	1.595	1.138	1.536	1.176	1.589	1.242	1.380	1.492	1.581	1.413	1.576	1.199	1.249
FR1 n48_Ant 7	0.507	0.048	0.283	1.648	1.460	1.493	1.282	1.437	1.634	1.284	1.331	1.291	1.357	1.465	1.684	1.227	1.625	1.265	1.678	1.331	1.469	1.581	1.670	1.502	1.665	1.288	1.338
FR1 n77_Ant 7	0.481	0.048	0.283	1.622	1.434	1.467	1.256	1.411	1.608	1.258	1.305	1.265	1.331	1.439	1.658	1.201	1.599	1.239	1.652	1.305	1.443	1.555	1.644	1.476	1.639	1.262	1.312

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.0	-74.5	-207.0	101.0	1.684	0.02	Not required
WLAN2.4G Ant 3 + WLAN5G Ant 3+4	0.331	-65.5	24.0	-207.0				

<Case 87>

SAR summation (blue colored) for each band of antenna 0,3,4,7

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	WLAN 5/6GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
LTE Band 48_Ant 7	0.418	0.204	0.283	1.715	1.527	1.560	1.349	1.504	1.701	1.351	1.398	1.358	1.424	1.532	1.751	1.294	1.692	1.332	1.745	1.398	1.538	1.648	1.737	1.569	1.732	1.355	1.405
FR1 n48_Ant 7	0.507	0.204	0.283	1.804	1.616	1.649	1.438	1.593	1.790	1.440	1.487	1.447	1.513	1.621	1.840	1.383	1.781	1.421	1.834	1.487	1.625	1.737	1.826	1.658	1.821	1.444	1.494
FR1 n77_Ant 7	0.481	0.204	0.283	1.778	1.590	1.623	1.412	1.567	1.764	1.414	1.461	1.421	1.487	1.595	1.814	1.357	1.755	1.395	1.808	1.461	1.599	1.711	1.800	1.632	1.795	1.418	1.468

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.5	-74.0	-207.0	106.0	1.840	0.02	Not required
WLAN2.4G Ant 4 + WLAN5G Ant 3+4	0.487	-58.2	31.0	-207.0				

<Case 88>

SAR summation (blue colored) for each band of antenna 0,3,4,7

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
LTE Band 48_Ant 7	0.418	0.223	0.283	1.734	1.546	1.579	1.368	1.523	1.720	1.370	1.417	1.377	1.443	1.551	1.770	1.313	1.711	1.351	1.764	1.417	1.555	1.667	1.756	1.588	1.751	1.374	1.424
FR1 n48_Ant 7	0.507	0.223	0.283	1.823	1.635	1.668	1.457	1.612	1.809	1.459	1.506	1.466	1.532	1.640	1.859	1.402	1.800	1.440	1.853	1.506	1.644	1.756	1.845	1.677	1.840	1.463	1.513
FR1 n77_Ant 7	0.481	0.223	0.283	1.797	1.609	1.642	1.431	1.586	1.783	1.433	1.480	1.440	1.506	1.614	1.833	1.376	1.774	1.414	1.827	1.480	1.618	1.730	1.819	1.651	1.814	1.437	1.487

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.5	-74.0	-207.0	101.3	1.859	0.03	Not required
WLAN2.4G Ant 3+4 + WLAN5G Ant 3+4	0.506	-65.0	25.0	-207.0				

<Case 89>

Hybrid SPLSR calculation for antenna 0 and antenna (7+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-15.6	-81.9	-207.0	53.3	1.624	0.04	Not required
WWAN_Ant 7 + WLAN Ant 3+4	0.819	-59.0	-51.0	-207.0				



<Case 90>

Hybrid SPLSR calculation for antenna 6 and antenna (2+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.662	-46.0	-59.5	-207.0	86.6	1.619	0.02	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.957	-65.0	25.0	-207.0				

<Case 91>

Hybrid SPLSR calculation for antenna (2+6) and antenna (3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2+WWAN_Ant 6	1.281	-46.0	-59.5	-207.0	86.7	1.787	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.506	-63.0	25.5	-207.0				

<Case 92>

Hybrid SPLSR calculation for antenna (6+7) and antenna (3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6+WWAN_Ant 7	1.169	-46.0	-59.5	-207.0	86.7	1.675	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.506	-63.0	25.5	-207.0				

<Case 93>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.846	-43.0	-74.5	-207.0	99.4	1.774	0.02	Not required
WWAN_Ant 1 + WLAN Ant 3+4	0.928	-62.5	23.0	-207.0				

<Case 94>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-12.5	-72.5	-207.0	100.9	1.806	0.02	Not required
WWAN_Ant 1 + WLAN Ant 3+4	1.001	13.5	25.0	-207.0				



<Case 95>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
GSM1900_Ant 2	0.304	0.283	0.042	1.439	1.251	1.284	1.073	1.228	1.425	1.075	1.122	1.082	1.148	1.256	1.475	1.018	1.416	1.056	1.469	1.122	1.260	1.372	1.461	1.293	1.456	1.079	1.129
WCDMA II_Ant 2	0.353	0.283	0.042	1.488	1.300	1.333	1.122	1.277	1.474	1.124	1.171	1.131	1.197	1.305	1.524	1.067	1.465	1.105	1.518	1.171	1.309	1.421	1.510	1.342	1.505	1.128	1.178
WCDMA IV_Ant 2	0.325	0.283	0.042	1.460	1.272	1.305	1.094	1.249	1.446	1.096	1.143	1.103	1.169	1.277	1.496	1.039	1.437	1.077	1.490	1.143	1.281	1.393	1.482	1.314	1.477	1.100	1.150
LTE Band 7_Ant 2	0.552	0.283	0.042	1.687	1.499	1.532	1.321	1.476	1.673	1.323	1.370	1.330	1.396	1.504	1.723	1.266	1.664	1.304	1.717	1.370	1.508	1.620	1.709	1.541	1.704	1.327	1.377
LTE Band 25_Ant 2	0.265	0.283	0.042	1.400	1.212	1.245	1.034	1.189	1.386	1.036	1.083	1.043	1.109	1.217	1.436	0.979	1.377	1.017	1.430	1.083	1.221	1.333	1.422	1.254	1.417	1.040	1.090
LTE Band 30_Ant 2	0.368	0.283	0.042	1.503	1.315	1.348	1.137	1.292	1.489	1.139	1.186	1.146	1.212	1.320	1.539	1.082	1.480	1.120	1.533	1.186	1.324	1.436	1.525	1.357	1.520	1.143	1.193
LTE Band 41_Ant 2	0.619	0.283	0.042	1.754	1.566	1.599	1.388	1.543	1.740	1.390	1.437	1.397	1.463	1.571	1.790	1.333	1.731	1.371	1.784	1.437	1.575	1.687	1.776	1.608	1.771	1.394	1.444
LTE Band 66_Ant 2	0.352	0.283	0.042	1.487	1.299	1.332	1.121	1.276	1.473	1.123	1.170	1.130	1.196	1.304	1.523	1.066	1.464	1.104	1.517	1.170	1.308	1.420	1.509	1.341	1.504	1.127	1.177
FR1 n7_Ant 2	0.466	0.283	0.042	1.601	1.413	1.446	1.235	1.390	1.587	1.237	1.284	1.244	1.310	1.418	1.637	1.180	1.578	1.218	1.631	1.284	1.422	1.534	1.623	1.455	1.618	1.241	1.291
FR1 n25_Ant 2	0.330	0.283	0.042	1.465	1.277	1.310	1.099	1.254	1.451	1.101	1.148	1.108	1.174	1.282	1.501	1.044	1.442	1.082	1.495	1.148	1.286	1.398	1.487	1.319	1.482	1.105	1.155
FR1 n30_Ant 2	0.318	0.283	0.042	1.453	1.265	1.298	1.087	1.242	1.439	1.089	1.136	1.096	1.162	1.270	1.489	1.032	1.430	1.070	1.483	1.136	1.274	1.386	1.475	1.307	1.470	1.093	1.143
FR1 n41_Ant 2	0.419	0.283	0.042	1.554	1.366	1.399	1.188	1.343	1.540	1.190	1.237	1.197	1.263	1.371	1.590	1.133	1.531	1.171	1.584	1.237	1.375	1.487	1.576	1.408	1.571	1.194	1.244
FR1 n66_Ant 2	0.312	0.283	0.042	1.447	1.259	1.292	1.081	1.236	1.433	1.083	1.130	1.090	1.156	1.264	1.483	1.026	1.424	1.064	1.477	1.130	1.268	1.380	1.469	1.301	1.464	1.087	1.137
FR1 n70_Ant 2	0.296	0.283	0.042	1.431	1.243	1.276	1.065	1.220	1.417	1.067	1.114	1.074	1.140	1.248	1.467	1.010	1.408	1.048	1.461	1.114	1.252	1.364	1.453	1.285	1.448	1.071	1.121

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Band	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	-43.0	-74.5	-207.0	99.4	1.790	0.02	Not required
BT Ant 3 + WLAN5G Ant 3+4	0.325	-62.5	23.0	-207.0				

<Case 96>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
GSM1900_Ant 2	0.304	0.283	0.193	1.590	1.402	1.435	1.224	1.379	1.576	1.226	1.273	1.233	1.299	1.407	1.626	1.169	1.567	1.207	1.620	1.273	1.411	1.523	1.612	1.444	1.607	1.230	1.280
WCDMA II_Ant 2	0.353	0.283	0.193	1.639	1.451	1.484	1.273	1.428	1.625	1.275	1.322	1.282	1.348	1.456	1.675	1.218	1.616	1.256	1.669	1.322	1.460	1.572	1.661	1.493	1.656	1.279	1.329
WCDMA IV_Ant 2	0.325	0.283	0.193	1.611	1.423	1.456	1.245	1.400	1.597	1.247	1.294	1.254	1.320	1.428	1.647	1.190	1.588	1.228	1.641	1.294	1.432	1.544	1.633	1.465	1.628	1.251	1.301
LTE Band 7_Ant 2	0.552	0.283	0.193	1.838	1.650	1.683	1.472	1.627	1.824	1.474	1.521	1.481	1.547	1.655	1.874	1.417	1.815	1.455	1.868	1.521	1.659	1.771	1.860	1.692	1.855	1.478	1.528
LTE Band 25_Ant 2	0.265	0.283	0.193	1.551	1.363	1.396	1.185	1.340	1.537	1.187	1.234	1.194	1.260	1.368	1.587	1.130	1.528	1.168	1.581	1.234	1.372	1.484	1.573	1.405	1.568	1.191	1.241
LTE Band 30_Ant 2	0.368	0.283	0.193	1.654	1.466	1.499	1.288	1.443	1.640	1.290	1.337	1.297	1.363	1.471	1.690	1.233	1.631	1.271	1.684	1.337	1.475	1.587	1.676	1.508	1.671	1.294	1.344
LTE Band 41_Ant 2	0.619	0.283	0.193	1.905	1.717	1.750	1.539	1.694	1.891	1.541	1.588	1.548	1.614	1.722	1.941	1.484	1.882	1.522	1.935	1.588	1.726	1.838	1.927	1.759	1.922	1.545	1.595
LTE Band 66_Ant 2	0.352	0.283	0.193	1.638	1.450	1.483	1.272	1.427	1.624	1.274	1.321	1.281	1.347	1.455	1.674	1.217	1.615	1.255	1.668	1.321	1.459	1.571	1.660	1.492	1.655	1.278	1.328
FR1 n7_Ant 2	0.466	0.283	0.193	1.752	1.564	1.597	1.386	1.541	1.738	1.388	1.435	1.395	1.461	1.569	1.788	1.331	1.729	1.369	1.782	1.435	1.573	1.685	1.774	1.606	1.769	1.392	1.442
FR1 n25_Ant 2	0.330	0.283	0.193	1.616	1.428	1.461	1.250	1.405	1.602	1.252	1.299	1.259	1.325	1.433	1.652	1.195	1.593	1.233	1.646	1.299	1.437	1.549	1.638	1.470	1.633	1.256	1.306
FR1 n30_Ant 2	0.318	0.283	0.193	1.604	1.416	1.449	1.238	1.393	1.590	1.240	1.287	1.247	1.313	1.421	1.640	1.183	1.581	1.221	1.634	1.287	1.425	1.537	1.626	1.458	1.621	1.244	1.294
FR1 n41_Ant 2	0.419	0.283	0.193	1.705	1.517	1.550	1.339	1.494	1.691	1.341	1.388	1.348	1.414	1.522	1.741	1.284	1.682	1.322	1.735	1.388	1.526	1.638	1.727	1.559	1.722	1.345	1.395
FR1 n66_Ant 2	0.312	0.283	0.193	1.598	1.410	1.443	1.232	1.387	1.584	1.234	1.281	1.241	1.307	1.415	1.634	1.177	1.575	1.215	1.628	1.281	1.419	1.531	1.620	1.452	1.615	1.238	1.288
FR1 n70_Ant 2	0.296	0.283	0.193	1.582	1.394	1.427	1.216	1.371	1.568	1.218	1.265	1.225	1.291	1.399	1.618	1.161	1.559	1.199	1.612	1.265	1.403	1.515	1.604	1.436	1.599	1.222	1.272

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	5.6	-45.9	-207.0	99.9	1.941	0.03	Not required
BT Ant 4 + WLAN5G Ant 3+4	0.476	-58.2	31.0	-207.0				



<Case 97>

SAR summation (blue colored) for each band of antenna 0,2,3,4

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
GSM1900_Ant 2	0.304	0.283	0.194	1.591	1.403	1.436	1.225	1.380	1.577	1.227	1.274	1.234	1.300	1.408	1.627	1.170	1.568	1.208	1.621	1.274	1.412	1.524	1.613	1.445	1.608	1.231	1.281
WCDMA II_Ant 2	0.353	0.283	0.194	1.640	1.452	1.485	1.274	1.429	1.626	1.276	1.323	1.283	1.349	1.457	1.676	1.219	1.617	1.257	1.670	1.323	1.461	1.573	1.662	1.494	1.657	1.280	1.330
WCDMA IV_Ant 2	0.325	0.283	0.194	1.612	1.424	1.457	1.246	1.401	1.598	1.248	1.295	1.255	1.321	1.429	1.648	1.191	1.589	1.229	1.642	1.295	1.433	1.545	1.634	1.466	1.629	1.252	1.302
LTE Band 7_Ant 2	0.552	0.283	0.194	1.839	1.651	1.684	1.473	1.628	1.825	1.475	1.522	1.482	1.548	1.656	1.875	1.418	1.816	1.456	1.869	1.522	1.660	1.772	1.861	1.693	1.856	1.479	1.529
LTE Band 25_Ant 2	0.265	0.283	0.194	1.552	1.364	1.397	1.186	1.341	1.538	1.188	1.235	1.195	1.261	1.369	1.588	1.131	1.529	1.169	1.582	1.235	1.373	1.485	1.574	1.406	1.569	1.192	1.242
LTE Band 30_Ant 2	0.368	0.283	0.194	1.655	1.467	1.500	1.289	1.444	1.641	1.291	1.338	1.298	1.364	1.472	1.691	1.234	1.632	1.272	1.685	1.338	1.476	1.588	1.677	1.509	1.672	1.295	1.345
LTE Band 41_Ant 2	0.619	0.283	0.194	1.906	1.718	1.751	1.540	1.695	1.892	1.542	1.589	1.549	1.615	1.723	1.942	1.485	1.883	1.523	1.936	1.589	1.727	1.839	1.928	1.760	1.923	1.546	1.596
LTE Band 66_Ant 2	0.352	0.283	0.194	1.639	1.451	1.484	1.273	1.428	1.625	1.275	1.322	1.282	1.348	1.456	1.675	1.218	1.616	1.256	1.669	1.322	1.460	1.572	1.661	1.493	1.656	1.279	1.329
FR1 n7_Ant 2	0.466	0.283	0.194	1.753	1.565	1.598	1.387	1.542	1.739	1.389	1.436	1.396	1.462	1.570	1.789	1.332	1.730	1.370	1.783	1.436	1.574	1.686	1.775	1.607	1.770	1.393	1.443
FR1 n25_Ant 2	0.330	0.283	0.194	1.617	1.429	1.462	1.251	1.406	1.603	1.253	1.300	1.260	1.326	1.434	1.653	1.196	1.594	1.234	1.647	1.300	1.438	1.550	1.639	1.471	1.634	1.257	1.307
FR1 n30_Ant 2	0.318	0.283	0.194	1.605	1.417	1.450	1.239	1.394	1.591	1.241	1.288	1.248	1.314	1.422	1.641	1.184	1.582	1.222	1.635	1.288	1.426	1.538	1.627	1.459	1.622	1.245	1.295
FR1 n41_Ant 2	0.419	0.283	0.194	1.706	1.518	1.551	1.340	1.495	1.692	1.342	1.389	1.349	1.415	1.523	1.742	1.285	1.683	1.323	1.736	1.389	1.527	1.639	1.728	1.560	1.723	1.346	1.396
FR1 n66_Ant 2	0.312	0.283	0.194	1.599	1.411	1.444	1.233	1.388	1.585	1.235	1.282	1.242	1.308	1.416	1.635	1.178	1.576	1.216	1.629	1.282	1.420	1.532	1.621	1.453	1.616	1.239	1.289
FR1 n70_Ant 2	0.296	0.283	0.194	1.583	1.395	1.428	1.217	1.372	1.569	1.219	1.266	1.226	1.292	1.400	1.619	1.162	1.560	1.200	1.613	1.266	1.404	1.516	1.605	1.437	1.600	1.223	1.273

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.465	5.6	-45.9	-207.0	99.9	1.942	0.03	Not required
BT Ant 3+4 + WLAN5G Ant 3+4	0.477	-58.2	31.0	-207.0				

<Case 98>

SAR summation (blue colored) for each band of antenna 0, 2, 3, 4

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.628	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.654	0.371	0.686	0.357	0.529
GSM1900_Ant 2	0.457	0.264	0.076	1.602	1.310	1.245	1.196	1.511	1.392	1.290	1.332	1.199	1.236	1.425	1.427	1.373	1.542	1.297	1.345	1.292	1.313	1.496	1.451	1.168	1.483	1.154	1.326
WCDMA II_Ant 2	0.479	0.264	0.076	1.624	1.332	1.267	1.218	1.533	1.414	1.312	1.354	1.221	1.258	1.447	1.449	1.395	1.564	1.319	1.367	1.314	1.335	1.518	1.473	1.190	1.505	1.176	1.348
WCDMA IV_Ant 2	0.433	0.264	0.076	1.578	1.286	1.221	1.172	1.487	1.368	1.266	1.308	1.175	1.212	1.401	1.403	1.349	1.518	1.273	1.321	1.268	1.289	1.472	1.427	1.144	1.459	1.130	1.302
LTE Band 7_Ant 2	0.508	0.264	0.076	1.653	1.361	1.296	1.247	1.562	1.443	1.341	1.383	1.250	1.287	1.476	1.478	1.424	1.593	1.348	1.396	1.343	1.364	1.547	1.502	1.219	1.534	1.205	1.377
LTE Band 25_Ant 2	0.286	0.264	0.076	1.431	1.139	1.074	1.025	1.340	1.221	1.119	1.161	1.028	1.065	1.254	1.256	1.202	1.371	1.126	1.174	1.121	1.142	1.325	1.280	0.997	1.312	0.983	1.155
LTE Band 30_Ant 2	0.299	0.264	0.076	1.444	1.152	1.087	1.038	1.353	1.234	1.132	1.174	1.041	1.078	1.267	1.269	1.215	1.384	1.139	1.187	1.134	1.155	1.338	1.293	1.010	1.325	0.996	1.168
LTE Band 41_Ant 2	0.265	0.264	0.076	1.410	1.118	1.053	1.004	1.319	1.200	1.098	1.140	1.007	1.044	1.233	1.235	1.181	1.350	1.105	1.153	1.100	1.121	1.304	1.259	0.976	1.291	0.962	1.134
LTE Band 66_Ant 2	0.384	0.264	0.076	1.529	1.237	1.172	1.123	1.438	1.319	1.217	1.259	1.126	1.163	1.352	1.354	1.300	1.469	1.224	1.272	1.219	1.240	1.423	1.378	1.095	1.410	1.081	1.253
FR1 n7_Ant 2	0.548	0.264	0.076	1.693	1.401	1.336	1.287	1.602	1.483	1.381	1.423	1.290	1.327	1.516	1.518	1.464	1.633	1.388	1.436	1.383	1.404	1.587	1.542	1.259	1.574	1.245	1.417
FR1 n25_Ant 2	0.502	0.264	0.076	1.647	1.355	1.290	1.241	1.556	1.437	1.335	1.377	1.244	1.281	1.470	1.472	1.418	1.587	1.342	1.390	1.337	1.358	1.541	1.496	1.213	1.528	1.199	1.371
FR1 n30_Ant 2	0.357	0.264	0.076	1.502	1.210	1.145	1.096	1.411	1.292	1.190	1.232	1.099	1.136	1.325	1.327	1.273	1.442	1.197	1.245	1.192	1.213	1.396	1.351	1.068	1.383	1.054	1.226
FR1 n41_Ant 2	0.357	0.264	0.076	1.502	1.210	1.145	1.096	1.411	1.292	1.190	1.232	1.099	1.136	1.325	1.327	1.273	1.442	1.197	1.245	1.192	1.213	1.396	1.351	1.068	1.383	1.054	1.226
FR1 n66_Ant 2	0.436	0.264	0.076	1.581	1.289	1.224	1.175	1.490	1.371	1.269	1.311	1.178	1.215	1.404	1.406	1.352	1.521	1.276	1.324	1.271	1.292	1.475	1.430	1.147	1.462	1.133	1.305
FR1 n70_Ant 2	0.409	0.264	0.076	1.554	1.262	1.197	1.148	1.463	1.344	1.242	1.284	1.151	1.188	1.377	1.379	1.325	1.494	1.249	1.297	1.244	1.265	1.448	1.403	1.120	1.435	1.106	1.278

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-52.5	-48.5	-207.0	105.3	1.693	0.02	Not required
BT Ant 3 + WLAN5G Ant 3+4	0.340	13.5	33.5	-207.0				



<Case 99>

SAR summation (blue colored) for each band of antenna 0, 2, 3, 4

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850_Ant 0	GSM 1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.628	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.654	0.371	0.686	0.357	0.529
GSM1900_Ant 2	0.457	0.264	0.141	1.667	1.375	1.310	1.261	1.576	1.457	1.355	1.397	1.264	1.301	1.490	1.492	1.438	1.607	1.362	1.410	1.357	1.378	1.561	1.516	1.233	1.548	1.219	1.391
WCDMA II_Ant 2	0.479	0.264	0.141	1.689	1.397	1.332	1.283	1.598	1.479	1.377	1.419	1.286	1.323	1.512	1.514	1.460	1.629	1.384	1.432	1.379	1.400	1.583	1.538	1.255	1.570	1.241	1.413
WCDMA IV_Ant 2	0.433	0.264	0.141	1.643	1.351	1.286	1.237	1.552	1.433	1.331	1.373	1.240	1.277	1.466	1.468	1.414	1.583	1.338	1.386	1.333	1.354	1.537	1.492	1.209	1.524	1.195	1.367
LTE Band 7_Ant 2	0.508	0.264	0.141	1.718	1.426	1.361	1.312	1.627	1.508	1.406	1.448	1.315	1.352	1.541	1.543	1.489	1.658	1.413	1.461	1.408	1.429	1.612	1.567	1.284	1.599	1.270	1.442
LTE Band 25_Ant 2	0.286	0.264	0.141	1.496	1.204	1.139	1.090	1.405	1.286	1.184	1.226	1.093	1.130	1.319	1.321	1.267	1.436	1.191	1.239	1.186	1.207	1.390	1.345	1.062	1.377	1.048	1.220
LTE Band 30_Ant 2	0.299	0.264	0.141	1.509	1.217	1.152	1.103	1.418	1.299	1.197	1.239	1.106	1.143	1.332	1.334	1.280	1.449	1.204	1.252	1.199	1.220	1.403	1.358	1.075	1.390	1.061	1.233
LTE Band 41_Ant 2	0.265	0.264	0.141	1.475	1.183	1.118	1.069	1.384	1.265	1.163	1.205	1.072	1.109	1.298	1.300	1.246	1.415	1.170	1.218	1.165	1.186	1.369	1.324	1.041	1.356	1.027	1.199
LTE Band 66_Ant 2	0.384	0.264	0.141	1.594	1.302	1.237	1.188	1.503	1.384	1.282	1.324	1.191	1.228	1.417	1.419	1.365	1.534	1.289	1.337	1.284	1.305	1.488	1.443	1.160	1.475	1.146	1.318
FR1 n7_Ant 2	0.548	0.264	0.141	1.758	1.466	1.401	1.352	1.667	1.548	1.446	1.488	1.355	1.392	1.581	1.583	1.529	1.698	1.453	1.501	1.448	1.469	1.652	1.607	1.324	1.639	1.310	1.482
FR1 n25_Ant 2	0.502	0.264	0.141	1.712	1.420	1.355	1.306	1.621	1.502	1.400	1.442	1.309	1.346	1.535	1.537	1.483	1.652	1.407	1.455	1.402	1.423	1.606	1.561	1.278	1.593	1.264	1.436
FR1 n30_Ant 2	0.357	0.264	0.141	1.567	1.275	1.210	1.161	1.476	1.357	1.255	1.297	1.164	1.201	1.390	1.392	1.338	1.507	1.262	1.310	1.257	1.278	1.461	1.416	1.133	1.448	1.119	1.291
FR1 n41_Ant 2	0.357	0.264	0.141	1.567	1.275	1.210	1.161	1.476	1.357	1.255	1.297	1.164	1.201	1.390	1.392	1.338	1.507	1.262	1.310	1.257	1.278	1.461	1.416	1.133	1.448	1.119	1.291
FR1 n66_Ant 2	0.436	0.264	0.141	1.646	1.354	1.289	1.240	1.555	1.436	1.334	1.376	1.243	1.280	1.469	1.471	1.417	1.586	1.341	1.389	1.336	1.357	1.540	1.495	1.212	1.527	1.198	1.370
FR1 n70_Ant 2	0.409	0.264	0.141	1.619	1.327	1.262	1.213	1.528	1.409	1.307	1.349	1.216	1.253	1.442	1.444	1.390	1.559	1.314	1.362	1.309	1.330	1.513	1.468	1.185	1.500	1.171	1.343

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-52.5	-48.5	-207.0	106.0	1.758	0.02	Not required
BT Ant 4 + WLAN5G Ant 3+4	0.405	13.1	34.7	-207.0				

<Case 100>

SAR summation (blue colored) for each band of antenna 0, 2, 3, 4

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM 850_Ant 0	GSM 1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.805	0.513	0.448	0.399	0.714	0.595	0.493	0.535	0.402	0.439	0.628	0.630	0.576	0.745	0.500	0.548	0.495	0.516	0.699	0.654	0.371	0.686	0.357	0.529
GSM1900_Ant 2	0.457	0.264	0.114	1.640	1.348	1.283	1.234	1.549	1.430	1.328	1.370	1.237	1.274	1.463	1.465	1.411	1.580	1.335	1.383	1.330	1.351	1.534	1.489	1.206	1.521	1.192	1.364
WCDMA II_Ant 2	0.479	0.264	0.114	1.662	1.370	1.305	1.256	1.571	1.452	1.350	1.392	1.259	1.296	1.485	1.487	1.433	1.602	1.357	1.405	1.352	1.373	1.556	1.511	1.228	1.543	1.214	1.386
WCDMA IV_Ant 2	0.433	0.264	0.114	1.616	1.324	1.259	1.210	1.525	1.406	1.304	1.346	1.213	1.250	1.439	1.441	1.387	1.556	1.311	1.359	1.306	1.327	1.510	1.465	1.182	1.497	1.168	1.340
LTE Band 7_Ant 2	0.508	0.264	0.114	1.691	1.399	1.334	1.285	1.600	1.481	1.379	1.421	1.288	1.325	1.514	1.516	1.462	1.631	1.386	1.434	1.381	1.402	1.585	1.540	1.257	1.572	1.243	1.415
LTE Band 25_Ant 2	0.286	0.264	0.114	1.469	1.177	1.112	1.063	1.378	1.259	1.157	1.199	1.066	1.103	1.292	1.294	1.240	1.409	1.164	1.212	1.159	1.180	1.363	1.318	1.035	1.350	1.021	1.193
LTE Band 30_Ant 2	0.299	0.264	0.114	1.482	1.190	1.125	1.076	1.391	1.272	1.170	1.212	1.079	1.116	1.305	1.307	1.253	1.422	1.177	1.225	1.172	1.193	1.376	1.331	1.048	1.363	1.034	1.206
LTE Band 41_Ant 2	0.265	0.264	0.114	1.448	1.156	1.091	1.042	1.357	1.238	1.136	1.178	1.045	1.082	1.271	1.273	1.219	1.388	1.143	1.191	1.138	1.159	1.342	1.297	1.014	1.329	1.000	1.172
LTE Band 66_Ant 2	0.384	0.264	0.114	1.567	1.275	1.210	1.161	1.476	1.357	1.255	1.297	1.164	1.201	1.390	1.392	1.338	1.507	1.262	1.310	1.257	1.278	1.461	1.416	1.133	1.448	1.119	1.291
FR1 n7_Ant 2	0.548	0.264	0.114	1.731	1.439	1.374	1.325	1.640	1.521	1.419	1.461	1.328	1.365	1.554	1.556	1.502	1.671	1.426	1.474	1.421	1.442	1.625	1.580	1.297	1.612	1.283	1.455
FR1 n25_Ant 2	0.502	0.264	0.114	1.685	1.393	1.328	1.279	1.594	1.475	1.373	1.415	1.282	1.319	1.508	1.510	1.456	1.625	1.380	1.428	1.375	1.396	1.579	1.534	1.251	1.566	1.237	1.409
FR1 n30_Ant 2	0.357	0.264	0.114	1.540	1.248	1.183	1.134	1.449	1.330	1.228	1.270	1.137	1.174	1.363	1.365	1.311	1.480	1.235	1.283	1.230	1.251	1.434	1.389	1.106	1.421	1.092	1.264
FR1 n41_Ant 2	0.357	0.264	0.114	1.540	1.248	1.183	1.134	1.449	1.330	1.228	1.270	1.137	1.174	1.363	1.365	1.311	1.480	1.235	1.283	1.230	1.251	1.434	1.389	1.106	1.421	1.092	1.264
FR1 n66_Ant 2	0.436	0.264	0.114	1.619	1.327	1.262	1.213	1.528	1.409	1.307	1.349	1.216	1.253	1.442	1.444	1.390	1.559	1.314	1.362	1.309	1.330	1.513	1.468	1.185	1.500	1.171	1.343
FR1 n70_Ant 2	0.409	0.264	0.114	1.592	1.300	1.235	1.186	1.501	1.382	1.280	1.322	1.189	1.226	1.415	1.417	1.363	1.532	1.287	1.335	1.282	1.303	1.486	1.441	1.158	1.473	1.144	1.316

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+2	1.353	-52.5	-48.5	-207.0	106.0	1.731	0.02	Not required
BT Ant 3+4 + WLAN5G Ant 3+4	0.378	13.1	34.7	-207.0				



<Case 101>

Hybrid SPLSR calculation for antenna 0 and antenna (5+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.846	-43.0	-74.5	-207.0	104.6	1.70	0.02	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4+Bluetooth(2.0) Ant 3+4	0.854	-66.0	27.5	-207.0				

<Case 102>

Hybrid SPLSR calculation for antenna 0 and antenna (5+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-15.6	-81.9	-207.0	110.8	1.672	0.02	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4+Bluetooth(2.0) Ant 4	0.867	13.5	25.0	-207.0				

<Case 103>

SAR summation (blue colored) for each band of antenna 0, 3, 4, 7

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA I Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
LTE Band 48_Ant 7	0.418	0.283	0.042	1.553	1.365	1.398	1.187	1.342	1.539	1.189	1.236	1.196	1.262	1.370	1.589	1.132	1.530	1.170	1.583	1.236	1.374	1.486	1.575	1.407	1.570	1.193	1.243
FR1 n48_Ant 7	0.507	0.283	0.042	1.642	1.454	1.487	1.276	1.431	1.628	1.278	1.325	1.285	1.351	1.459	1.678	1.221	1.619	1.259	1.672	1.325	1.463	1.575	1.664	1.496	1.659	1.282	1.332
FR1 n77_Ant 7	0.481	0.283	0.042	1.616	1.428	1.461	1.250	1.405	1.602	1.252	1.299	1.259	1.325	1.433	1.652	1.195	1.593	1.233	1.646	1.299	1.437	1.549	1.638	1.470	1.633	1.256	1.306

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.0	-74.5	-207.0	99.4	1.678	0.02	Not required
BT Ant 3 + WLAN5G Ant 3+4	0.325	-62.5	23.0	-207.0				

<Case 104>

SAR summation (blue colored) for each band of antenna 0, 3, 4, 7

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA I Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.669	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.626	0.827	0.450	0.500
LTE Band 48_Ant 7	0.418	0.283	0.193	1.704	1.516	1.549	1.338	1.563	1.690	1.340	1.387	1.347	1.413	1.521	1.740	1.283	1.681	1.321	1.734	1.387	1.525	1.637	1.726	1.520	1.721	1.344	1.394
FR1 n48_Ant 7	0.507	0.283	0.193	1.793	1.605	1.638	1.427	1.652	1.779	1.429	1.476	1.436	1.502	1.610	1.829	1.372	1.770	1.410	1.823	1.476	1.614	1.726	1.815	1.609	1.810	1.433	1.483
FR1 n77_Ant 7	0.481	0.283	0.193	1.767	1.579	1.612	1.401	1.626	1.753	1.403	1.450	1.410	1.476	1.584	1.803	1.346	1.744	1.384	1.797	1.450	1.588	1.700	1.789	1.583	1.784	1.407	1.457

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	2.0	-57.0	-207.0	106.6	1.829	0.02	Not required
BT Ant 4 + WLAN5G Ant 3+4	0.476	-58.2	31.0	-207.0				



<Case 105>

SAR summation (blue colored) for each band of antenna 0, 3, 4, 7

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA I/L Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.810	0.622	0.655	0.444	0.599	0.796	0.446	0.493	0.453	0.519	0.627	0.846	0.389	0.787	0.427	0.840	0.493	0.631	0.743	0.832	0.664	0.827	0.450	0.500
LTE Band 48_Ant 7	0.418	0.283	0.194	1.705	1.517	1.550	1.339	1.494	1.691	1.341	1.388	1.348	1.414	1.522	1.741	1.284	1.682	1.322	1.735	1.388	1.526	1.638	1.727	1.559	1.722	1.345	1.395
FR1 n48_Ant 7	0.507	0.283	0.194	1.794	1.606	1.639	1.428	1.583	1.780	1.430	1.477	1.437	1.503	1.611	1.830	1.373	1.771	1.411	1.824	1.477	1.615	1.727	1.816	1.648	1.811	1.434	1.484
FR1 n77_Ant 7	0.481	0.283	0.194	1.768	1.580	1.613	1.402	1.557	1.754	1.404	1.451	1.411	1.477	1.585	1.804	1.347	1.745	1.385	1.798	1.451	1.589	1.701	1.790	1.622	1.785	1.408	1.458

Hybrid SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+7	1.353	-43.5	-74.0	-207.0	104.0	1.830	0.02	Not required
BT Ant 3+4 + WLAN5G Ant 3+4	0.477	-66.0	27.5	-207.0				

<Case 106>

Hybrid SPLSR calculation for antenna 0 and antenna (7+3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.805	-15.6	-81.9	-207.0	54.0	1.60	0.04	Not required
WWAN_Ant 7 + WLAN Ant 3+4	0.795	-69.5	-78.5	-207.0				

<Case 107>

Hybrid SPLSR calculation for antenna (2+6) and antenna (3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2+WWAN_Ant 6	1.281	-46.0	-59.5	-207.0	89.3	1.758	0.03	Not required
WLAN5/6GHz Ant 3+4+Bluetooth(2.0) Ant 3+4	0.477	-66.0	27.5	-207.0				

<Case 108>

Hybrid SPLSR calculation for antenna (6+7) and antenna (3+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6+WWAN_Ant 7	1.169	-46.0	-59.5	-207.0	89.3	1.646	0.02	Not required
WLAN5/6GHz Ant 3+4+Bluetooth(2.0) Ant 3+4	0.477	-66.0	27.5	-207.0				