

Appendix D. Sim-Tx SAR consideration

D.1 Sim-Tx Configuration

Exposure Condition	Tx mode	Capable TX Configurations	WWAN Power Index	WiFi Power Index	BT Power Index
Head	WWAN standalone	WWAN	Index 2		
	WiFi standalone	WiFi 2.4G SISO (Ant4 or Ant3)		Index 1	
		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)		Index 2 (RSDB)	
		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	
		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)		Index 4 (RSDB)	
		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 Index	WiFi Power Index	BT Power Index	
Body	WWAN standalone	WWAN	Index 5			
	WiFi standalone	WiFi 2.4G SISO (Ant4 or Ant3)		Index 5		
		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)		Index 6 (RSDB)		
		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		
		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)		Index 8 (RSDB)		
		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		
		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		Index 6 (RSDB)		
		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		
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3) + NFC				
		WWAN + WiFi 5G MIMO (Ant4+3) + NFC				
		WWAN + WiFi 6E MIMO (Ant4+3) + NFC		Index 8 (RSDB)		
		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 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:

- Max Power condition use case were evaluated in the reference model GKWS6, the report exhibit of GKWS6_Part 1 SAR Report_Appendix G
- This device only WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
- 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.
- The SAR summation is calculated based on the same exposure configuration and test position from each transmit antenna worst case reported SAR results.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation < 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\min. \text{ separation distance, mm})$, 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.
 - If $SPLSR \leq 0.04$, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

**D.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 g_1 and g_2 for LTE and NR respectively. The purpose of these power ratio factors is to split the available SAR budget among different RATs, so $g_1 + g_2 \leq 1$. The value of g_1 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 g_2 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.

$$g_1 * LTE_{exposure} + g_2 * NR_{exposure} \leq 1.0,$$

$$\text{then, } g_1 * LTE_{exposure} + g_2 * NR_{exposure} \leq \max (LTE_{exposure}, NR_{exposure})$$

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.

- 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.
- 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.
- 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.
- In section D.7 SPLSR analysis only evaluation Sim-Tx SAR configuration are rounded to two decimal higher or equal to 1.6W/kg.
- The analysis addresses the simultaneous transmission and the transition among non-simultaneous transmission radios

D.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	0.233	0.305	0.320	0.948	0.082	0.100	0.100	1.030	1.048	1.048
Right Tilted	0.017	0.342	0.057	0.467	0.008	0.098	0.162	0.475	0.565	0.629
Left Cheek	0.110	0.701	0.724	0.783	0.053	0.311	0.344	0.836	1.094	1.127
Left Tilted	0.012	1.100	1.033	0.646	0.005	0.340	0.437	0.651	0.986	1.083

<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	0.185	0.242	0.254	0.948	1.133	1.190	1.202
Right Tilted	0.014	0.272	0.045	0.467	0.481	0.739	0.512
Left Cheek	0.087	0.557	0.575	0.783	0.870	1.340	1.358
Left Tilted	0.009	0.874	0.820	0.646	0.655	1.520	1.466

<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. :FA2D0208-07D

<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+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.
		Maximum WWAN	Maximum WWAN	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5GHz Ant 3+4	Bluetooth Ant 3	Bluetooth Ant 4	Bluetooth 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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																	
Ant 0+1	Right Cheek	0.413	0.813	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.344	1.382	1.387	1.546	1.564	1.564											
	Right Tilted	0.265	0.849	0.009	0.181	0.184	0.158	0.008	0.098	0.162	1.123	1.295	1.298	1.280	1.370	1.434											
	Left Cheek	0.571	0.468	0.059	0.337	0.358	0.231	0.053	0.311	0.344	1.098	1.376	1.397	1.323	1.581	1.614								0.04	Case2		
	Left Tilted	0.308	0.559	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.872	1.336	1.336	1.082	1.417	1.514											
Ant 0+2	Right Cheek	0.413	0.789	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.320	1.358	1.363	1.522	1.540	1.540											
	Right Tilted	0.265	0.302	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.576	0.748	0.751	0.733	0.823	0.887											
	Left Cheek	0.571	0.324	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.954	1.232	1.253	1.179	1.437	1.470											
	Left Tilted	0.308	0.356	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.669	1.133	1.133	0.879	1.214	1.311											
Ant 0+5	Right Cheek	0.413	0.311	0.118	0.156	0.161	0.238	0.082	0.100	0.100	0.842	0.880	0.885	1.044	1.062	1.062											
	Right Tilted	0.265	0.131	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.405	0.577	0.580	0.562	0.652	0.716											
	Left Cheek	0.571	0.527	0.059	0.337	0.358	0.231	0.053	0.311	0.344	1.157	1.435	1.456	1.382	1.640	1.673							0.04	Case3	0.04	Case4	
	Left Tilted	0.308	0.181	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.494	0.958	0.958	0.704	1.039	1.136											
Ant 0+7	Right Cheek	0.413	0.500	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.031	1.069	1.074	1.233	1.251	1.251											
	Right Tilted	0.265	0.080	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.354	0.526	0.529	0.511	0.601	0.665											
	Left Cheek	0.571	0.132	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.762	1.040	1.061	0.987	1.245	1.278											
	Left Tilted	0.308	0.038	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.351	0.815	0.815	0.561	0.896	0.993											
Ant 1+2	Right Cheek	0.813	0.789	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.720	1.758	1.763	1.922	1.940	1.940	0.04	Case5	0.04	Case5	0.04	Case5	0.04	Case5	0.04	Case5	
	Right Tilted	0.849	0.302	0.009	0.181	0.184	0.158	0.008	0.098	0.162	1.160	1.332	1.335	1.317	1.407	1.471											
	Left Cheek	0.468	0.324	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.851	1.129	1.150	1.076	1.334	1.367											
	Left Tilted	0.559	0.356	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.920	1.384	1.384	1.130	1.465	1.562											
Ant 1+6	Right Cheek	0.813	0.252	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.183	1.221	1.226	1.385	1.403	1.403											
	Right Tilted	0.849	0.265	0.009	0.181	0.184	0.158	0.008	0.098	0.162	1.123	1.295	1.298	1.280	1.370	1.434											
	Left Cheek	0.468	0.620	0.059	0.337	0.358	0.231	0.053	0.311	0.344	1.147	1.425	1.446	1.372	1.630	1.663							0.04	Case6	0.04	Case7	
	Left Tilted	0.559	0.193	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.757	1.221	1.221	0.967	1.302	1.399											
Ant 1+7	Right Cheek	0.813	0.500	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.431	1.469	1.474	1.633	1.651	1.651						0.03	Case8	0.03	Case8	0.03	Case8
	Right Tilted	0.849	0.080	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.938	1.110	1.113	1.095	1.185	1.249											
	Left Cheek	0.468	0.132	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.659	0.937	0.958	0.884	1.142	1.175											
	Left Tilted	0.559	0.038	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.602	1.066	1.066	0.812	1.147	1.244											
Ant 2+5	Right Cheek	0.789	0.311	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.218	1.256	1.261	1.420	1.438	1.438											
	Right Tilted	0.302	0.131	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.442	0.614	0.617	0.599	0.689	0.753											
	Left Cheek	0.324	0.527	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.910	1.188	1.209	1.135	1.393	1.426											
	Left Tilted	0.356	0.181	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.542	1.006	1.006	0.752	1.087	1.184											
Ant 2+6	Right Cheek	0.789	0.252	0.118	0.156	0.161	0.238	0.082	0.100	0.100	1.159	1.197	1.202	1.361	1.379	1.379											
	Right Tilted	0.302	0.265	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.576	0.748	0.751	0.733	0.823	0.887											
	Left Cheek	0.324	0.620	0.059	0.337	0.358	0.231	0.053	0.311	0.344	1.003	1.281	1.302	1.228	1.486	1.519											
	Left Tilted	0.356	0.193	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.554	1.018	1.018	0.764	1.099	1.196											
Ant 5+6	Right Cheek	0.311	0.252	0.118	0.156	0.161	0.238	0.082	0.100	0.100	0.681	0.719	0.724	0.883	0.901	0.901											
	Right Tilted	0.131	0.265	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.405	0.577	0.580	0.562	0.652	0.716											
	Left Cheek	0.527	0.620	0.059	0.337	0.358	0.231	0.053	0.311	0.344	1.206	1.484	1.505	1.431	1.689	1.722							0.04	Case9	0.04	Case10	
	Left Tilted	0.181	0.193	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.379	0.843	0.843	0.589	0.924	1.021											
Ant 5+7	Right Cheek	0.311	0.500	0.118	0.156	0.161	0.238	0.082	0.100	0.100	0.929	0.967	0.972	1.131	1.149	1.149											
	Right Tilted	0.131	0.080	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.220	0.392	0.395	0.377	0.467	0.531											
	Left Cheek	0.527	0.132	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.718	0.996	1.017	0.943	1.201	1.234											
	Left Tilted	0.181	0.038	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.224	0.688	0.688	0.434	0.769	0.866											
Ant 6+7	Right Cheek	0.252	0.500	0.118	0.156	0.161	0.238	0.082	0.100	0.100	0.870	0.908	0.913	1.072	1.090	1.090											
	Right Tilted	0.265	0.080	0.009	0.181	0.184	0.158	0.008	0.098	0.162	0.354	0.526	0.529	0.511	0.601	0.665											
	Left Cheek	0.620	0.132	0.059	0.337	0.358	0.231	0.053	0.311	0.344	0.811	1.089	1.110	1.036	1.294	1.327											
	Left Tilted	0.193	0.038	0.005	0.469	0.469	0.210	0.005	0.340	0.437	0.236	0.700	0.700	0.446	0.781	0.878											



FCC SAR TEST REPORT

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<WWAN Index3, WLAN Index4>

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	1+3+5 Case No.	0+1+4+5 SPLSR	1+4+5 Case No.
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz z Ant 3+4 1g SAR (W/kg)	WLAN 5/6GH z Ant 3+4 1g SAR (W/kg)									
Ant 0+1	Right Cheek	0.413	0.813	0.118	0.156	0.161	0.238	1.582	1.620	1.625			0.04	Case11	0.04	Case12
	Right Tilted	0.265	0.849	0.009	0.181	0.184	0.158	1.281	1.453	1.456						
	Left Cheek	0.571	0.468	0.059	0.337	0.358	0.231	1.329	1.607	1.628			0.04	Case13	0.04	Case14
	Left Tilted	0.308	0.559	0.005	0.469	0.469	0.210	1.082	1.546	1.546						
Ant 0+2	Right Cheek	0.413	0.789	0.118	0.156	0.161	0.238	1.558	1.596	1.601			0.03	Case15	0.04	Case16
	Right Tilted	0.265	0.302	0.009	0.181	0.184	0.158	0.734	0.906	0.909						
	Left Cheek	0.571	0.324	0.059	0.337	0.358	0.231	1.185	1.463	1.484						
	Left Tilted	0.308	0.356	0.005	0.469	0.469	0.210	0.879	1.343	1.343						
Ant 0+5	Right Cheek	0.413	0.311	0.118	0.156	0.161	0.238	1.080	1.118	1.123						
	Right Tilted	0.265	0.131	0.009	0.181	0.184	0.158	0.563	0.735	0.738						
	Left Cheek	0.571	0.527	0.059	0.337	0.358	0.231	1.388	1.666	1.687			0.04	Case17	0.04	Case18
	Left Tilted	0.308	0.181	0.005	0.469	0.469	0.210	0.704	1.168	1.168						
Ant 0+7	Right Cheek	0.413	0.500	0.118	0.156	0.161	0.238	1.269	1.307	1.312						
	Right Tilted	0.265	0.080	0.009	0.181	0.184	0.158	0.512	0.684	0.687						
	Left Cheek	0.571	0.132	0.059	0.337	0.358	0.231	0.993	1.271	1.292						
	Left Tilted	0.308	0.038	0.005	0.469	0.469	0.210	0.561	1.025	1.025						
Ant 1+2	Right Cheek	0.813	0.789	0.118	0.156	0.161	0.238	1.958	1.996	2.001	0.04	Case19	0.04	Case19	0.04	Case19
	Right Tilted	0.849	0.302	0.009	0.181	0.184	0.158	1.318	1.490	1.493						
	Left Cheek	0.468	0.324	0.059	0.337	0.358	0.231	1.082	1.360	1.381						
	Left Tilted	0.559	0.356	0.005	0.469	0.469	0.210	1.130	1.594	1.594						
Ant 1+6	Right Cheek	0.813	0.252	0.118	0.156	0.161	0.238	1.421	1.459	1.464						
	Right Tilted	0.849	0.265	0.009	0.181	0.184	0.158	1.281	1.453	1.456						
	Left Cheek	0.468	0.620	0.059	0.337	0.358	0.231	1.378	1.656	1.677			0.03	Case20	0.04	Case21
	Left Tilted	0.559	0.193	0.005	0.469	0.469	0.210	0.967	1.431	1.431						
Ant 1+7	Right Cheek	0.813	0.500	0.118	0.156	0.161	0.238	1.669	1.707	1.712	0.03	Case22	0.03	Case22	0.03	Case22
	Right Tilted	0.849	0.080	0.009	0.181	0.184	0.158	1.096	1.268	1.271						
	Left Cheek	0.468	0.132	0.059	0.337	0.358	0.231	0.890	1.168	1.189						
	Left Tilted	0.559	0.038	0.005	0.469	0.469	0.210	0.812	1.276	1.276						
Ant 2+5	Right Cheek	0.789	0.311	0.118	0.156	0.161	0.238	1.456	1.494	1.499						
	Right Tilted	0.302	0.131	0.009	0.181	0.184	0.158	0.600	0.772	0.775						
	Left Cheek	0.324	0.527	0.059	0.337	0.358	0.231	1.141	1.419	1.440						
	Left Tilted	0.356	0.181	0.005	0.469	0.469	0.210	0.752	1.216	1.216						
Ant 2+6	Right Cheek	0.789	0.252	0.118	0.156	0.161	0.238	1.397	1.435	1.440						
	Right Tilted	0.302	0.265	0.009	0.181	0.184	0.158	0.734	0.906	0.909						
	Left Cheek	0.324	0.620	0.059	0.337	0.358	0.231	1.234	1.512	1.533						
	Left Tilted	0.356	0.193	0.005	0.469	0.469	0.210	0.764	1.228	1.228						
Ant 5+6	Right Cheek	0.311	0.252	0.118	0.156	0.161	0.238	0.919	0.957	0.962						
	Right Tilted	0.131	0.265	0.009	0.181	0.184	0.158	0.563	0.735	0.738						
	Left Cheek	0.527	0.620	0.059	0.337	0.358	0.231	1.437	1.715	1.736			0.04	Case23	0.04	Case24
	Left Tilted	0.181	0.193	0.005	0.469	0.469	0.210	0.589	1.053	1.053						
Ant 5+7	Right Cheek	0.311	0.500	0.118	0.156	0.161	0.238	1.167	1.205	1.210						
	Right Tilted	0.131	0.080	0.009	0.181	0.184	0.158	0.378	0.550	0.553						
	Left Cheek	0.527	0.132	0.059	0.337	0.358	0.231	0.949	1.227	1.248						
	Left Tilted	0.181	0.038	0.005	0.469	0.469	0.210	0.434	0.898	0.898						
Ant 6+7	Right Cheek	0.252	0.500	0.118	0.156	0.161	0.238	1.108	1.146	1.151						
	Right Tilted	0.265	0.080	0.009	0.181	0.184	0.158	0.512	0.684	0.687						
	Left Cheek	0.620	0.132	0.059	0.337	0.358	0.231	1.042	1.320	1.341						
	Left Tilted	0.193	0.038	0.005	0.469	0.469	0.210	0.446	0.910	0.910						

D.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													
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)	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	0.678	0.417	0.143	0.314	0.317	0.316	1.238	1.409	1.412	1.411								
	Back	0.761	0.596	0.140	0.267	0.265	0.464	1.497	1.624	1.622	1.821			0.03	Case25	0.03	Case25	0.03	Case25
	Left side	0.709	0.458	0.334	0.008	0.303	0.397	1.501	1.175	1.470	1.564								
	Right side	0.373	0.322	0.002	0.055	0.093	0.304	0.697	0.750	0.788	0.999								
	Top side		0.815	0.020	0.696	0.645	0.447	0.835	1.511	1.460	1.262								
	Bottom side	0.847						0.847	0.847	0.847	0.847								
Ant 0+2	Front	0.678	0.552	0.143	0.314	0.317	0.316	1.373	1.544	1.547	1.546								
	Back	0.761	0.548	0.140	0.267	0.265	0.464	1.449	1.576	1.574	1.773							0.03	Case26
	Left side	0.709	0.103	0.334	0.008	0.303	0.397	1.146	0.820	1.115	1.209								
	Right side	0.373	0.760	0.002	0.055	0.093	0.304	1.135	1.188	1.226	1.437								
	Top side			0.020	0.696	0.645	0.447	0.020	0.696	0.645	0.447								
	Bottom side	0.847	0.290					1.137	1.137	1.137	1.137								
Ant 0+5	Front	0.678	0.329	0.143	0.314	0.317	0.316	1.150	1.321	1.324	1.323								
	Back	0.761	0.397	0.140	0.267	0.265	0.464	1.298	1.425	1.423	1.622							0.02	Case27
	Left side	0.709	0.012	0.334	0.008	0.303	0.397	1.055	0.729	1.024	1.118								
	Right side	0.373	0.658	0.002	0.055	0.093	0.304	1.033	1.086	1.124	1.335								
	Top side		0.060	0.020	0.696	0.645	0.447	0.080	0.756	0.705	0.507								
	Bottom side	0.847						0.847	0.847	0.847	0.847								
Ant 0+7	Front	0.678	0.481	0.143	0.314	0.317	0.316	1.302	1.473	1.476	1.475								
	Back	0.761	0.361	0.140	0.267	0.265	0.464	1.262	1.389	1.387	1.586								
	Left side	0.709	0.078	0.334	0.008	0.303	0.397	1.121	0.795	1.090	1.184								
	Right side	0.373	0.463	0.002	0.055	0.093	0.304	0.838	0.891	0.929	1.140								
	Top side			0.020	0.696	0.645	0.447	0.020	0.696	0.645	0.447								
	Bottom side	0.847	0.731					1.578	1.578	1.578	1.578								
Ant 1+2	Front	0.417	0.552	0.143	0.314	0.317	0.316	1.112	1.283	1.286	1.285								
	Back	0.596	0.548	0.140	0.267	0.265	0.464	1.284	1.411	1.409	1.608							0.02	Case28
	Left side	0.458	0.103	0.334	0.008	0.303	0.397	0.895	0.569	0.864	0.958								
	Right side	0.322	0.760	0.002	0.055	0.093	0.304	1.084	1.137	1.175	1.386								
	Top side	0.815		0.020	0.696	0.645	0.447	0.835	1.511	1.460	1.262								
	Bottom side		0.290					0.290	0.290	0.290	0.290								
Ant 1+6	Front	0.417	0.389	0.143	0.314	0.317	0.316	0.949	1.120	1.123	1.122								
	Back	0.596	0.342	0.140	0.267	0.265	0.464	1.078	1.205	1.203	1.402								
	Left side	0.458	0.840	0.334	0.008	0.303	0.397	1.632	1.306	1.601	1.695	0.03	Case29			0.03	Case29	0.03	Case29
	Right side	0.322	0.038	0.002	0.055	0.093	0.304	0.362	0.415	0.453	0.664								



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	Top side	0.815		0.020	0.696	0.645	0.447	0.835	1.511	1.460	1.262							
	Bottom side		0.237					0.237	0.237	0.237	0.237							
Ant 1+7	Front	0.417	0.481	0.143	0.314	0.317	0.316	1.041	1.212	1.215	1.214							
	Back	0.596	0.361	0.140	0.267	0.265	0.464	1.097	1.224	1.222	1.421							
	Left side	0.458	0.078	0.334	0.008	0.303	0.397	0.870	0.544	0.839	0.933							
	Right side	0.322	0.463	0.002	0.055	0.093	0.304	0.787	0.840	0.878	1.089							
	Top side	0.815		0.020	0.696	0.645	0.447	0.835	1.511	1.460	1.262							
	Bottom side		0.731					0.731	0.731	0.731	0.731							
Ant 2+5	Front	0.552	0.329	0.143	0.314	0.317	0.316	1.024	1.195	1.198	1.197							
	Back	0.548	0.397	0.140	0.267	0.265	0.464	1.085	1.212	1.210	1.409							
	Left side	0.103	0.012	0.334	0.008	0.303	0.397	0.449	0.123	0.418	0.512							
	Right side	0.760	0.658	0.002	0.055	0.093	0.304	1.420	1.473	1.511	1.722						0.03	Case30
	Top side		0.060	0.020	0.696	0.645	0.447	0.080	0.756	0.705	0.507							
	Bottom side	0.290						0.290	0.290	0.290	0.290							
Ant 2+6	Front	0.552	0.389	0.143	0.314	0.317	0.316	1.084	1.255	1.258	1.257							
	Back	0.548	0.342	0.140	0.267	0.265	0.464	1.030	1.157	1.155	1.354							
	Left side	0.103	0.840	0.334	0.008	0.303	0.397	1.277	0.951	1.246	1.340							
	Right side	0.760	0.038	0.002	0.055	0.093	0.304	0.800	0.853	0.891	1.102							
	Top side			0.020	0.696	0.645	0.447	0.020	0.696	0.645	0.447							
	Bottom side	0.290	0.237					0.527	0.527	0.527	0.527							
Ant 5+6	Front	0.329	0.389	0.143	0.314	0.317	0.316	0.861	1.032	1.035	1.034							
	Back	0.397	0.342	0.140	0.267	0.265	0.464	0.879	1.006	1.004	1.203							
	Left side	0.012	0.840	0.334	0.008	0.303	0.397	1.186	0.860	1.155	1.249							
	Right side	0.658	0.038	0.002	0.055	0.093	0.304	0.698	0.751	0.789	1.000							
	Top side	0.060		0.020	0.696	0.645	0.447	0.080	0.756	0.705	0.507							
	Bottom side		0.237					0.237	0.237	0.237	0.237							
Ant 5+7	Front	0.329	0.481	0.143	0.314	0.317	0.316	0.953	1.124	1.127	1.126							
	Back	0.397	0.361	0.140	0.267	0.265	0.464	0.898	1.025	1.023	1.222							
	Left side	0.012	0.078	0.334	0.008	0.303	0.397	0.424	0.098	0.393	0.487							
	Right side	0.658	0.463	0.002	0.055	0.093	0.304	1.123	1.176	1.214	1.425							
	Top side	0.060		0.020	0.696	0.645	0.447	0.080	0.756	0.705	0.507							
	Bottom side		0.731					0.731	0.731	0.731	0.731							
Ant 6+7	Front	0.389	0.481	0.143	0.314	0.317	0.316	1.013	1.184	1.187	1.186							
	Back	0.342	0.361	0.140	0.267	0.265	0.464	0.843	0.970	0.968	1.167							
	Left side	0.840	0.078	0.334	0.008	0.303	0.397	1.252	0.926	1.221	1.315							
	Right side	0.038	0.463	0.002	0.055	0.093	0.304	0.503	0.556	0.594	0.805							
	Top side			0.020	0.696	0.645	0.447	0.020	0.696	0.645	0.447							
	Bottom side	0.237	0.731					0.968	0.968	0.968	0.968							



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<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)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN 5/6GHz Ant 3+4 1g SAR (W/kg)									
Ant 0+1	Front	0.678	0.417	0.071	0.150	0.167	0.134	1.300	1.379	1.396						
	Back	0.761	0.596	0.078	0.122	0.132	0.319	1.754	1.798	1.808	0.04	Case31	0.04	Case31	0.04	Case31
	Left side	0.709	0.458	0.159	0.001	0.140	0.153	1.479	1.321	1.460						
	Right side	0.373	0.322	0.001	0.038	0.050	0.177	0.873	0.910	0.922						
	Top side		0.815	0.008	0.403	0.402	0.266	1.089	1.484	1.483						
	Bottom side	0.847						0.847	0.847	0.847						
Ant 0+2	Front	0.678	0.552	0.071	0.150	0.167	0.134	1.435	1.514	1.531						
	Back	0.761	0.548	0.078	0.122	0.132	0.319	1.706	1.750	1.760	0.02	Case32	0.04	Case33	0.04	Case34
	Left side	0.709	0.103	0.159	0.001	0.140	0.153	1.124	0.966	1.105						
	Right side	0.373	0.760	0.001	0.038	0.050	0.177	1.311	1.348	1.360						
	Top side			0.008	0.403	0.402	0.266	0.274	0.669	0.668						
	Bottom side	0.847	0.290					1.137	1.137	1.137						
Ant 0+5	Front	0.678	0.329	0.071	0.150	0.167	0.134	1.212	1.291	1.308						
	Back	0.761	0.397	0.078	0.122	0.132	0.319	1.555	1.599	1.609			0.02	Case35	0.02	Case35
	Left side	0.709	0.012	0.159	0.001	0.140	0.153	1.033	0.875	1.014						
	Right side	0.373	0.658	0.001	0.038	0.050	0.177	1.209	1.246	1.258						
	Top side		0.060	0.008	0.403	0.402	0.266	0.334	0.729	0.728						
	Bottom side	0.847						0.847	0.847	0.847						
Ant 0+7	Front	0.678	0.481	0.071	0.150	0.167	0.134	1.364	1.443	1.460						
	Back	0.761	0.361	0.078	0.122	0.132	0.319	1.519	1.563	1.573						
	Left side	0.709	0.078	0.159	0.001	0.140	0.153	1.099	0.941	1.080						
	Right side	0.373	0.463	0.001	0.038	0.050	0.177	1.014	1.051	1.063						
	Top side			0.008	0.403	0.402	0.266	0.274	0.669	0.668						
	Bottom side	0.847	0.731					1.578	1.578	1.578						
Ant 1+2	Front	0.417	0.552	0.071	0.150	0.167	0.134	1.174	1.253	1.270						
	Back	0.596	0.548	0.078	0.122	0.132	0.319	1.541	1.585	1.595					0.02	Case36
	Left side	0.458	0.103	0.159	0.001	0.140	0.153	0.873	0.715	0.854						
	Right side	0.322	0.760	0.001	0.038	0.050	0.177	1.260	1.297	1.309						
	Top side	0.815		0.008	0.403	0.402	0.266	1.089	1.484	1.483						
	Bottom side		0.290					0.290	0.290	0.290						
Ant 1+6	Front	0.417	0.389	0.071	0.150	0.167	0.134	1.011	1.090	1.107						
	Back	0.596	0.342	0.078	0.122	0.132	0.319	1.335	1.379	1.389						
	Left side	0.458	0.840	0.159	0.001	0.140	0.153	1.610	1.452	1.591	0.03	Case37				
	Right side	0.322	0.038	0.001	0.038	0.050	0.177	0.538	0.575	0.587						
	Top side	0.815		0.008	0.403	0.402	0.266	1.089	1.484	1.483						
	Bottom side		0.237					0.237	0.237	0.237						
Ant 1+7	Front	0.417	0.481	0.071	0.150	0.167	0.134	1.103	1.182	1.199						
	Back	0.596	0.361	0.078	0.122	0.132	0.319	1.354	1.398	1.408						
	Left side	0.458	0.078	0.159	0.001	0.140	0.153	0.848	0.690	0.829						
	Right side	0.322	0.463	0.001	0.038	0.050	0.177	0.963	1.000	1.012						
	Top side	0.815		0.008	0.403	0.402	0.266	1.089	1.484	1.483						
	Bottom side		0.731					0.731	0.731	0.731						
Ant 2+5	Front	0.552	0.329	0.071	0.150	0.167	0.134	1.086	1.165	1.182						
	Back	0.548	0.397	0.078	0.122	0.132	0.319	1.342	1.386	1.396						
	Left side	0.103	0.012	0.159	0.001	0.140	0.153	0.427	0.269	0.408						
	Right side	0.760	0.658	0.001	0.038	0.050	0.177	1.596	1.633	1.645	0.03	Case38	0.03	Case38	0.03	Case38
	Top side		0.060	0.008	0.403	0.402	0.266	0.334	0.729	0.728						
	Bottom side	0.290						0.290	0.290	0.290						
Ant	Front	0.552	0.389	0.071	0.150	0.167	0.134	1.146	1.225	1.242						



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2+6	Back	0.548	0.342	0.078	0.122	0.132	0.319	1.287	1.331	1.341						
	Left side	0.103	0.840	0.159	0.001	0.140	0.153	1.255	1.097	1.236						
	Right side	0.760	0.038	0.001	0.038	0.050	0.177	0.976	1.013	1.025						
	Top side			0.008	0.403	0.402	0.266	0.274	0.669	0.668						
	Bottom side	0.290	0.237					0.527	0.527	0.527						
Ant 5+6	Front	0.329	0.389	0.071	0.150	0.167	0.134	0.923	1.002	1.019						
	Back	0.397	0.342	0.078	0.122	0.132	0.319	1.136	1.180	1.190						
	Left side	0.012	0.840	0.159	0.001	0.140	0.153	1.164	1.006	1.145						
	Right side	0.658	0.038	0.001	0.038	0.050	0.177	0.874	0.911	0.923						
	Top side	0.060		0.008	0.403	0.402	0.266	0.334	0.729	0.728						
	Bottom side		0.237					0.237	0.237	0.237						
Ant 5+7	Front	0.329	0.481	0.071	0.150	0.167	0.134	1.015	1.094	1.111						
	Back	0.397	0.361	0.078	0.122	0.132	0.319	1.155	1.199	1.209						
	Left side	0.012	0.078	0.159	0.001	0.140	0.153	0.402	0.244	0.383						
	Right side	0.658	0.463	0.001	0.038	0.050	0.177	1.299	1.336	1.348						
	Top side	0.060		0.008	0.403	0.402	0.266	0.334	0.729	0.728						
	Bottom side		0.731					0.731	0.731	0.731						
Ant 6+7	Front	0.389	0.481	0.071	0.150	0.167	0.134	1.075	1.154	1.171						
	Back	0.342	0.361	0.078	0.122	0.132	0.319	1.100	1.144	1.154						
	Left side	0.840	0.078	0.159	0.001	0.140	0.153	1.230	1.072	1.211						
	Right side	0.038	0.463	0.001	0.038	0.050	0.177	0.679	0.716	0.728						
	Top side			0.008	0.403	0.402	0.266	0.274	0.669	0.668						
	Bottom side	0.237	0.731					0.968	0.968	0.968						



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<WWAN Index4, 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)	WLAN 5/6GHz 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	0.678	0.417	0.134	0.045	0.181	0.167	1.274	1.410	1.396						
	Back	0.761	0.596	0.319	0.046	0.152	0.113	1.722	1.828	1.789	0.04	Case39	0.04	Case39	0.04	Case39
	Left side	0.709	0.458	0.153	0.158	0.001	0.138	1.478	1.321	1.458						
	Right side	0.373	0.322	0.177	0.001	0.044	0.040	0.873	0.916	0.912						
	Top side		0.815	0.266	0.004	0.335	0.472	1.085	1.416	1.553						
	Bottom side	0.847						0.847	0.847	0.847						
Ant 0+2	Front	0.678	0.552	0.134	0.045	0.181	0.167	1.409	1.545	1.531						
	Back	0.761	0.548	0.319	0.046	0.152	0.113	1.674	1.780	1.741	0.02	Case40	0.04	Case41	0.04	Case42
	Left side	0.709	0.103	0.153	0.158	0.001	0.138	1.123	0.966	1.103						
	Right side	0.373	0.760	0.177	0.001	0.044	0.040	1.311	1.354	1.350						
	Top side			0.266	0.004	0.335	0.472	0.270	0.601	0.738						
	Bottom side	0.847	0.290					1.137	1.137	1.137						
Ant 0+5	Front	0.678	0.329	0.134	0.045	0.181	0.167	1.186	1.322	1.308						
	Back	0.761	0.397	0.319	0.046	0.152	0.113	1.523	1.629	1.590			0.02	Case43		
	Left side	0.709	0.012	0.153	0.158	0.001	0.138	1.032	0.875	1.012						
	Right side	0.373	0.658	0.177	0.001	0.044	0.040	1.209	1.252	1.248						
	Top side		0.060	0.266	0.004	0.335	0.472	0.330	0.661	0.798						
	Bottom side	0.847						0.847	0.847	0.847						
Ant 0+7	Front	0.678	0.481	0.134	0.045	0.181	0.167	1.338	1.474	1.460						
	Back	0.761	0.361	0.319	0.046	0.152	0.113	1.487	1.593	1.554						
	Left side	0.709	0.078	0.153	0.158	0.001	0.138	1.098	0.941	1.078						
	Right side	0.373	0.463	0.177	0.001	0.044	0.040	1.014	1.057	1.053						
	Top side			0.266	0.004	0.335	0.472	0.270	0.601	0.738						
	Bottom side	0.847	0.731					1.578	1.578	1.578						
Ant 1+2	Front	0.417	0.552	0.134	0.045	0.181	0.167	1.148	1.284	1.270						
	Back	0.596	0.548	0.319	0.046	0.152	0.113	1.509	1.615	1.576			0.02	Case44		
	Left side	0.458	0.103	0.153	0.158	0.001	0.138	0.872	0.715	0.852						
	Right side	0.322	0.760	0.177	0.001	0.044	0.040	1.260	1.303	1.299						
	Top side	0.815		0.266	0.004	0.335	0.472	1.085	1.416	1.553						
	Bottom side		0.290					0.290	0.290	0.290						
Ant 1+6	Front	0.417	0.389	0.134	0.045	0.181	0.167	0.985	1.121	1.107						
	Back	0.596	0.342	0.319	0.046	0.152	0.113	1.303	1.409	1.370						
	Left side	0.458	0.840	0.153	0.158	0.001	0.138	1.609	1.452	1.589	0.03	Case45				
	Right side	0.322	0.038	0.177	0.001	0.044	0.040	0.538	0.581	0.577						
	Top side	0.815		0.266	0.004	0.335	0.472	1.085	1.416	1.553						
	Bottom side		0.237					0.237	0.237	0.237						
Ant 1+7	Front	0.417	0.481	0.134	0.045	0.181	0.167	1.077	1.213	1.199						
	Back	0.596	0.361	0.319	0.046	0.152	0.113	1.322	1.428	1.389						
	Left side	0.458	0.078	0.153	0.158	0.001	0.138	0.847	0.690	0.827						
	Right side	0.322	0.463	0.177	0.001	0.044	0.040	0.963	1.006	1.002						
	Top side	0.815		0.266	0.004	0.335	0.472	1.085	1.416	1.553						
	Bottom side		0.731					0.731	0.731	0.731						
Ant 2+5	Front	0.552	0.329	0.134	0.045	0.181	0.167	1.060	1.196	1.182						
	Back	0.548	0.397	0.319	0.046	0.152	0.113	1.310	1.416	1.377						
	Left side	0.103	0.012	0.153	0.158	0.001	0.138	0.426	0.269	0.406						
	Right side	0.760	0.658	0.177	0.001	0.044	0.040	1.596	1.639	1.635	0.03	Case46	0.03	Case46	0.03	Case46
	Top side		0.060	0.266	0.004	0.335	0.472	0.330	0.661	0.798						
	Bottom side	0.290						0.290	0.290	0.290						
Ant 2+6	Front	0.552	0.389	0.134	0.045	0.181	0.167	1.120	1.256	1.242						
	Back	0.548	0.342	0.319	0.046	0.152	0.113	1.255	1.361	1.322						



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	Left side	0.103	0.840	0.153	0.158	0.001	0.138	1.254	1.097	1.234						
	Right side	0.760	0.038	0.177	0.001	0.044	0.040	0.976	1.019	1.015						
	Top side			0.266	0.004	0.335	0.472	0.270	0.601	0.738						
	Bottom side	0.290	0.237					0.527	0.527	0.527						
Ant 5+6	Front	0.329	0.389	0.134	0.045	0.181	0.167	0.897	1.033	1.019						
	Back	0.397	0.342	0.319	0.046	0.152	0.113	1.104	1.210	1.171						
	Left side	0.012	0.840	0.153	0.158	0.001	0.138	1.163	1.006	1.143						
	Right side	0.658	0.038	0.177	0.001	0.044	0.040	0.874	0.917	0.913						
	Top side	0.060		0.266	0.004	0.335	0.472	0.330	0.661	0.798						
	Bottom side		0.237					0.237	0.237	0.237						
Ant 5+7	Front	0.329	0.481	0.134	0.045	0.181	0.167	0.989	1.125	1.111						
	Back	0.397	0.361	0.319	0.046	0.152	0.113	1.123	1.229	1.190						
	Left side	0.012	0.078	0.153	0.158	0.001	0.138	0.401	0.244	0.381						
	Right side	0.658	0.463	0.177	0.001	0.044	0.040	1.299	1.342	1.338						
	Top side	0.060		0.266	0.004	0.335	0.472	0.330	0.661	0.798						
	Bottom side		0.731					0.731	0.731	0.731						
Ant 6+7	Front	0.389	0.481	0.134	0.045	0.181	0.167	1.049	1.185	1.171						
	Back	0.342	0.361	0.319	0.046	0.152	0.113	1.068	1.174	1.135						
	Left side	0.840	0.078	0.153	0.158	0.001	0.138	1.229	1.072	1.209						
	Right side	0.038	0.463	0.177	0.001	0.044	0.040	0.679	0.722	0.718						
	Top side			0.266	0.004	0.335	0.472	0.270	0.601	0.738						
	Bottom side	0.237	0.731					0.968	0.968	0.968						

D.5 Body-worn Sim-Tx analysis
<WLAN Index6>

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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5/6GHz Ant 3+4			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Front	0.288	0.954	0.928	0.451	0.739	1.405	1.379
Back	0.531	0.557	0.739	0.592	1.123	1.149	1.331

<WLAN Index5/6, BT index 3>

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	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5/6GHz Ant 3+4	Bluetooth Ant 3	Bluetooth Ant 4	Bluetooth 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)	1g SAR (W/kg)			
Front	0.288	0.954	0.928	0.506	0.042	0.181	0.176	0.548	0.687	0.682
Back	0.531	0.557	0.739	0.786	0.084	0.152	0.123	0.870	0.938	0.909

<WWAN Index5>

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)	SPLSR	Case No
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	0.04	Case47
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												
		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	0.164	0.419	0.393	0.427	1.461	1.716	1.690	1.724			0.02	Case48	0.02	Case48	0.02	Case48
	Back	0.805	0.596	0.140	0.267	0.265	0.557	1.541	1.668	1.666	1.958			0.03	Case49	0.03	Case49	0.03	Case49
Ant 0+2	Front	0.846	0.619	0.164	0.419	0.393	0.427	1.629	1.884	1.858	1.892	0.03	Case50	0.03	Case50	0.03	Case50	0.03	Case50
	Back	0.805	0.548	0.140	0.267	0.265	0.557	1.493	1.620	1.618	1.910			0.01	Case51	0.02	Case52	0.03	Case53
Ant 0+5	Front	0.846	0.377	0.164	0.419	0.393	0.427	1.387	1.642	1.616	1.650			0.02	Case54	0.02	Case54	0.02	Case54
	Back	0.805	0.462	0.140	0.267	0.265	0.557	1.407	1.534	1.532	1.824							0.02	Case55
Ant 0+7	Front	0.846	0.507	0.164	0.419	0.393	0.427	1.517	1.772	1.746	1.780			0.02	Case56	0.02	Case57	0.02	Case58
	Back	0.805	0.390	0.140	0.267	0.265	0.557	1.335	1.462	1.460	1.752							0.02	Case59
Ant 1+2	Front	0.451	0.619	0.164	0.419	0.393	0.427	1.234	1.489	1.463	1.497								
	Back	0.596	0.548	0.140	0.267	0.265	0.557	1.284	1.411	1.409	1.701							0.02	Case60
Ant 1+6	Front	0.451	0.662	0.164	0.419	0.393	0.427	1.277	1.532	1.506	1.540								
	Back	0.596	0.409	0.140	0.267	0.265	0.557	1.145	1.272	1.270	1.562								
Ant 1+7	Front	0.451	0.507	0.164	0.419	0.393	0.427	1.122	1.377	1.351	1.385								
	Back	0.596	0.390	0.140	0.267	0.265	0.557	1.126	1.253	1.251	1.543								
Ant 2+5	Front	0.619	0.377	0.164	0.419	0.393	0.427	1.160	1.415	1.389	1.423								
	Back	0.548	0.462	0.140	0.267	0.265	0.557	1.150	1.277	1.275	1.567								
Ant 2+6	Front	0.619	0.662	0.164	0.419	0.393	0.427	1.445	1.700	1.674	1.708			0.04	Case61	0.04	Case61	0.04	Case61
	Back	0.548	0.409	0.140	0.267	0.265	0.557	1.097	1.224	1.222	1.514								
Ant 5+6	Front	0.377	0.662	0.164	0.419	0.393	0.427	1.203	1.458	1.432	1.466								
	Back	0.462	0.409	0.140	0.267	0.265	0.557	1.011	1.138	1.136	1.428								
Ant 5+7	Front	0.377	0.507	0.164	0.419	0.393	0.427	1.048	1.303	1.277	1.311								
	Back	0.462	0.390	0.140	0.267	0.265	0.557	0.992	1.119	1.117	1.409								
Ant 6+7	Front	0.662	0.507	0.164	0.419	0.393	0.427	1.333	1.588	1.562	1.596							0.04	Case62
	Back	0.409	0.390	0.140	0.267	0.265	0.557	0.939	1.066	1.064	1.356								



<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 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN 5/6GHz Ant 3+4 1g SAR (W/kg)									
Ant 0+1	Front	0.846	0.451	0.071	0.207	0.226	0.295	1.663	1.799	1.818	0.03	Case63	0.03	Case63	0.03	Case63
	Back	0.805	0.596	0.088	0.122	0.132	0.557	2.046	2.080	2.090	0.03	Case64	0.03	Case64	0.03	Case64
Ant 0+2	Front	0.846	0.619	0.071	0.207	0.226	0.295	1.831	1.967	1.986	0.03	Case65	0.03	Case66	0.03	Case67
	Back	0.805	0.548	0.088	0.122	0.132	0.557	1.998	2.032	2.042	0.03	Case68	0.03	Case69	0.03	Case70
Ant 0+5	Front	0.846	0.377	0.071	0.207	0.226	0.295	1.589	1.725	1.744			0.02	Case71	0.02	Case71
	Back	0.805	0.462	0.088	0.122	0.132	0.557	1.912	1.946	1.956	0.03	Case72	0.03	Case72	0.03	Case72
Ant 0+7	Front	0.846	0.507	0.071	0.207	0.226	0.295	1.719	1.855	1.874	0.02	Case73	0.02	Case74	0.03	Case75
	Back	0.805	0.390	0.088	0.122	0.132	0.557	1.840	1.874	1.884	0.02	Case76	0.02	Case77	0.03	Case78
Ant 1+2	Front	0.451	0.619	0.071	0.207	0.226	0.295	1.436	1.572	1.591						
	Back	0.596	0.548	0.088	0.122	0.132	0.557	1.789	1.823	1.833	0.03	Case79	0.03	Case79	0.03	Case79
Ant 1+6	Front	0.451	0.662	0.071	0.207	0.226	0.295	1.479	1.615	1.634			0.03	Case80	0.03	Case80
	Back	0.596	0.409	0.088	0.122	0.132	0.557	1.650	1.684	1.694	0.03	Case81	0.03	Case81	0.03	Case81
Ant 1+7	Front	0.451	0.507	0.071	0.207	0.226	0.295	1.324	1.460	1.479						
	Back	0.596	0.390	0.088	0.122	0.132	0.557	1.631	1.665	1.675	0.02	Case82	0.02	Case82	0.02	Case82
Ant 2+5	Front	0.619	0.377	0.071	0.207	0.226	0.295	1.362	1.498	1.517						
	Back	0.548	0.462	0.088	0.122	0.132	0.557	1.655	1.689	1.699	0.03	Case83	0.03	Case83	0.03	Case83
Ant 2+6	Front	0.619	0.662	0.071	0.207	0.226	0.295	1.647	1.783	1.802	0.03	Case84	0.03	Case84	0.03	Case84
	Back	0.548	0.409	0.088	0.122	0.132	0.557	1.602	1.636	1.646	0.03	Case85	0.03	Case86	0.03	Case87
Ant 5+6	Front	0.377	0.662	0.071	0.207	0.226	0.295	1.405	1.541	1.560						
	Back	0.462	0.409	0.088	0.122	0.132	0.557	1.516	1.550	1.560						
Ant 5+7	Front	0.377	0.507	0.071	0.207	0.226	0.295	1.250	1.386	1.405						
	Back	0.462	0.390	0.088	0.122	0.132	0.557	1.497	1.531	1.541						
Ant 6+7	Front	0.662	0.507	0.071	0.207	0.226	0.295	1.535	1.671	1.690			0.03	Case88	0.03	Case88
	Back	0.409	0.390	0.088	0.122	0.132	0.557	1.444	1.478	1.488						



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

WWAN Band	Exposure Position	0	1	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 5/6GHz Ant 3+4	Bluetooth Ant 3	Bluetooth Ant 4	Bluetooth 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	0.295	0.045	0.181	0.176	1.637	1.773	1.768	0.02	Case89	0.02	Case89	0.02	Case89
	Back	0.805	0.596	0.557	0.084	0.152	0.123	2.042	2.110	2.081	0.03	Case90	0.03	Case90	0.03	Case90
Ant 0+2	Front	0.846	0.619	0.295	0.045	0.181	0.176	1.805	1.941	1.936	0.02	Case91	0.03	Case92	0.03	Case93
	Back	0.805	0.548	0.557	0.084	0.152	0.123	1.994	2.062	2.033	0.03	Case94	0.03	Case95	0.03	Case96
Ant 0+5	Front	0.846	0.377	0.295	0.045	0.181	0.176	1.563	1.699	1.694			0.02	Case97	0.02	Case97
	Back	0.805	0.462	0.557	0.084	0.152	0.123	1.908	1.976	1.947	0.03	Case98	0.03	Case98	0.03	Case98
Ant 0+7	Front	0.846	0.507	0.295	0.045	0.181	0.176	1.693	1.829	1.824	0.02	Case99	0.02	Case100	0.02	Case101
	Back	0.805	0.390	0.557	0.084	0.152	0.123	1.836	1.904	1.875	0.03	Case102	0.02	Case103	0.03	Case104
Ant 1+2	Front	0.451	0.619	0.295	0.045	0.181	0.176	1.410	1.546	1.541						
	Back	0.596	0.548	0.557	0.084	0.152	0.123	1.785	1.853	1.824	0.03	Case105	0.03	Case105	0.03	Case105
Ant 1+6	Front	0.451	0.662	0.295	0.045	0.181	0.176	1.453	1.589	1.584						
	Back	0.596	0.409	0.557	0.084	0.152	0.123	1.646	1.714	1.685	0.03	Case106	0.03	Case106	0.03	Case106
Ant 1+7	Front	0.451	0.507	0.295	0.045	0.181	0.176	1.298	1.434	1.429						
	Back	0.596	0.390	0.557	0.084	0.152	0.123	1.627	1.695	1.666	0.02	Case107	0.02	Case107	0.02	Case107
Ant 2+5	Front	0.619	0.377	0.295	0.045	0.181	0.176	1.336	1.472	1.467						
	Back	0.548	0.462	0.557	0.084	0.152	0.123	1.651	1.719	1.690	0.03	Case108	0.03	Case108	0.03	Case108
Ant 2+6	Front	0.619	0.662	0.295	0.045	0.181	0.176	1.621	1.757	1.752	0.03	Case109	0.03	Case109	0.03	Case109
	Back	0.548	0.409	0.557	0.084	0.152	0.123	1.598	1.666	1.637	0.03	Case110	0.03	Case111	0.03	Case112
Ant 5+6	Front	0.377	0.662	0.295	0.045	0.181	0.176	1.379	1.515	1.510						
	Back	0.462	0.409	0.557	0.084	0.152	0.123	1.512	1.580	1.551						
Ant 5+7	Front	0.377	0.507	0.295	0.045	0.181	0.176	1.224	1.360	1.355						
	Back	0.462	0.390	0.557	0.084	0.152	0.123	1.493	1.561	1.532						
Ant 6+7	Front	0.662	0.507	0.295	0.045	0.181	0.176	1.509	1.645	1.640			0.04	Case113	0.04	Case113
	Back	0.409	0.390	0.557	0.084	0.152	0.123	1.440	1.508	1.479						

D.6 Product Specific Exposure Conditions

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		1.162	0.001	1.163
Back		0.900	0.128	1.028
Left side		1.137	0.001	1.138
Right side		1.342	0.001	1.343
Top side		0.678	0.001	0.679
Bottom side	2.465		0.001	2.466

D.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	1.882	0.03	Not required
WWAN_Ant 1	0.955	15.2	-320.2	-174.4				



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<Case 2>

SAR summation (blue colored) for each band of antenna 0+1+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 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)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	0.379	0.136	0.538	0.158	0.203	0.192	0.153	0.143	0.332
GSM850_Ant 1	0.467	0.231	0.344	1.603	1.155	1.185	1.198	1.613	1.286	1.353	1.525	1.541	1.206	1.527	1.145	1.211	1.202	1.371	1.306	1.421	1.178	1.580	1.200	1.245	1.234	1.195	1.185	1.374
WCDMA V_Ant 1	0.349	0.231	0.344	1.485	1.037	1.067	1.080	1.495	1.168	1.235	1.407	1.423	1.088	1.409	1.027	1.093	1.084	1.253	1.188	1.303	1.060	1.462	1.082	1.127	1.116	1.077	1.067	1.256
LTE Band 2_Ant 1 Sub	0.313	0.231	0.344	1.449	1.001	1.031	1.044	1.459	1.132	1.199	1.371	1.387	1.052	1.373	0.991	1.057	1.048	1.217	1.152	1.267	1.024	1.426	1.046	1.091	1.080	1.041	1.031	1.220
LTE Band 12_Ant 1	0.467	0.231	0.344	1.603	1.155	1.185	1.198	1.613	1.286	1.353	1.525	1.541	1.206	1.527	1.145	1.211	1.202	1.371	1.306	1.421	1.178	1.580	1.200	1.245	1.234	1.195	1.185	1.374
LTE Band 13_Ant 1	0.452	0.231	0.344	1.588	1.140	1.170	1.183	1.598	1.271	1.338	1.510	1.526	1.191	1.512	1.130	1.196	1.187	1.356	1.291	1.406	1.163	1.565	1.185	1.230	1.219	1.180	1.170	1.359
LTE Band 14_Ant 1	0.436	0.231	0.344	1.572	1.124	1.154	1.167	1.582	1.255	1.322	1.494	1.510	1.175	1.496	1.114	1.180	1.171	1.340	1.275	1.390	1.147	1.549	1.169	1.214	1.203	1.164	1.154	1.343
LTE Band 26_Ant 1	0.456	0.231	0.344	1.592	1.144	1.174	1.187	1.602	1.275	1.342	1.514	1.530	1.195	1.516	1.134	1.200	1.191	1.360	1.295	1.410	1.167	1.569	1.189	1.234	1.223	1.184	1.174	1.363
LTE Band 66_Ant 1 Sub	0.394	0.231	0.344	1.530	1.082	1.112	1.125	1.540	1.213	1.280	1.452	1.468	1.133	1.454	1.072	1.138	1.129	1.298	1.233	1.348	1.105	1.507	1.127	1.172	1.161	1.122	1.112	1.301
LTE Band 71_Ant 1	0.327	0.231	0.344	1.463	1.015	1.045	1.058	1.473	1.146	1.213	1.385	1.401	1.066	1.387	1.005	1.071	1.062	1.231	1.166	1.281	1.038	1.440	1.060	1.105	1.094	1.055	1.045	1.234
FR1 n2_Ant 1 Sub	0.330	0.231	0.344	1.466	1.018	1.048	1.061	1.476	1.149	1.216	1.388	1.404	1.069	1.390	1.008	1.074	1.065	1.234	1.169	1.284	1.041	1.443	1.063	1.108	1.097	1.058	1.048	1.237
FR1 n12_Ant 1	0.468	0.231	0.344	1.604	1.156	1.186	1.199	1.614	1.287	1.354	1.526	1.542	1.207	1.528	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 n26_Ant 1	0.451	0.231	0.344	1.587	1.139	1.169	1.182	1.597	1.270	1.337	1.509	1.525	1.190	1.511	1.129	1.195	1.186	1.355	1.290	1.405	1.162	1.564	1.184	1.229	1.218	1.179	1.169	1.358
FR1 n41_Ant 1 Sub	0.265	0.231	0.344	1.401	0.953	0.983	0.996	1.411	1.084	1.151	1.323	1.339	1.004	1.325	0.943	1.009	1.000	1.169	1.104	1.219	0.976	1.378	0.998	1.043	1.032	0.993	0.983	1.172
FR1 n48_Ant 1 Sub	0.440	0.231	0.344	1.576	1.128	1.158	1.171	1.586	1.259	1.326	1.498	1.514	1.179	1.500	1.118	1.184	1.175	1.344	1.279	1.394	1.151	1.553	1.173	1.218	1.207	1.168	1.158	1.347
FR1 n66_Ant 1 Sub	0.467	0.231	0.344	1.603	1.155	1.185	1.198	1.613	1.286	1.353	1.525	1.541	1.206	1.527	1.145	1.211	1.202	1.371	1.306	1.421	1.178	1.580	1.200	1.245	1.234	1.195	1.185	1.374
FR1 n71_Ant 1	0.460	0.231	0.344	1.596	1.148	1.178	1.191	1.606	1.279	1.346	1.518	1.534	1.199	1.520	1.138	1.204	1.195	1.364	1.299	1.414	1.171	1.573	1.193	1.238	1.227	1.188	1.178	1.367
FR1 n77_Ant 1 Sub	0.411	0.231	0.344	1.547	1.099	1.129	1.142	1.557	1.230	1.297	1.469	1.485	1.150	1.471	1.089	1.155	1.146	1.315	1.250	1.365	1.122	1.524	1.144	1.189	1.178	1.139	1.129	1.318

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	0.571	52.4	262.7	-175.7	66.6	1.039	0.02	Not required
WWAN_Ant 1	0.468	2.2	306.3	-172.2				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 0	0.571	54.5	259.6	-175.3	20.9	0.617	0.02	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	74.2	0.802	0.01	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	76.5	0.915	0.01	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
WWAN_Ant 1	0.468	-6.5	295.4	-169.4	56.7	0.659	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 1	0.468	-6.5	295.4	-169.4	63.6	0.514	0.01	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WWAN_Ant 1	0.468	1.0	308.1	-172.1	31.0	0.699	0.02	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 1	0.468	1.0	308.1	-172.1	21.3	0.812	0.03	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	11.1	0.237	0.01	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.3	0.422	0.00	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.1	0.535	0.01	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0	82.9	0.277	0.00	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0	82.2	0.390	0.00	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5	12.0	0.575	0.04	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				

<Case 3>

SAR summation (blue colored) for each band of antenna 0+5+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 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)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	0.379	0.136	0.538	0.158	0.203	0.192	0.153	0.143	0.332
LTE Band 2_Ant 5 Sub	0.527	0.231	0.311	1.630	1.182	1.212	1.225	1.640	1.313	1.380	1.552	1.568	1.233	1.554	1.172	1.238	1.229	1.398	1.333	1.448	1.205	1.607	1.227	1.272	1.261	1.222	1.212	1.401
LTE Band 66_Ant 5 Sub	0.519	0.231	0.311	1.622	1.174	1.204	1.217	1.632	1.305	1.372	1.544	1.560	1.225	1.546	1.164	1.230	1.221	1.390	1.325	1.440	1.197	1.599	1.219	1.264	1.253	1.214	1.204	1.393
FR1 n2_Ant 5 Sub	0.527	0.231	0.311	1.630	1.182	1.212	1.225	1.640	1.313	1.380	1.552	1.568	1.233	1.554	1.172	1.238	1.229	1.398	1.333	1.448	1.205	1.607	1.227	1.272	1.261	1.222	1.212	1.401
FR1 n41_Ant 5 Sub	0.521	0.231	0.311	1.624	1.176	1.206	1.219	1.634	1.307	1.374	1.546	1.562	1.227	1.548	1.166	1.232	1.223	1.392	1.327	1.442	1.199	1.601	1.221	1.266	1.255	1.216	1.206	1.395
FR1 n48_Ant 5 Sub	0.522	0.231	0.311	1.625	1.177	1.207	1.220	1.635	1.308	1.375	1.547	1.563	1.228	1.549	1.167	1.233	1.224	1.393	1.328	1.443	1.200	1.602	1.222	1.267	1.256	1.217	1.207	1.396
FR1 n66_Ant 5 Sub	0.525	0.231	0.311	1.628	1.180	1.210	1.223	1.638	1.311	1.378	1.550	1.566	1.231	1.552	1.170	1.236	1.227	1.396	1.331	1.446	1.203	1.605	1.225	1.270	1.259	1.220	1.210	1.399
FR1 n77_Ant 5 Sub	0.526	0.231	0.311	1.629	1.181	1.211	1.224	1.639	1.312	1.379	1.551	1.567	1.232	1.553	1.171	1.237	1.228	1.397	1.332	1.447	1.204	1.606	1.226	1.271	1.260	1.221	1.211	1.400

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	0.571	56.2	271.3	-175.8	51.9	1.098	0.02	Not required
WWAN_Ant 5	0.527	54.0	323.1	-174.3				
WWAN_Ant 0	0.571	56.2	271.3	-175.8	68.2	1.113	0.02	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.542	22.3	330.5	-174.5				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	65.3	0.718	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	71.5	0.733	0.01	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.542	12.7	326.9	-174.0				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	27.6	1.069	0.04	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.542	22.3	330.5	-174.5				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				



<Case 4>

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

Exposure Position	WWAN SAR	WLAN5G GHz Ant 4+3	Bluetooth Ant 4+3	GSM850 Ant 10	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 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)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	0.379	0.136	0.538	0.158	0.203	0.192	0.153	0.143	0.332
LTE Band 2_Ant 5 Sub	0.527	0.231	0.344	1.663	1.215	1.245	1.258	1.673	1.346	1.413	1.585	1.601	1.266	1.587	1.205	1.271	1.262	1.431	1.366	1.481	1.238	1.640	1.260	1.305	1.294	1.255	1.245	1.434
LTE Band 66_Ant 5 Sub	0.519	0.231	0.344	1.655	1.207	1.237	1.250	1.665	1.338	1.405	1.577	1.593	1.258	1.579	1.197	1.263	1.254	1.423	1.358	1.473	1.230	1.632	1.252	1.297	1.286	1.247	1.237	1.426
FR1 n2_Ant 5 Sub	0.527	0.231	0.344	1.663	1.215	1.245	1.258	1.673	1.346	1.413	1.585	1.601	1.266	1.587	1.205	1.271	1.262	1.431	1.366	1.481	1.238	1.640	1.260	1.305	1.294	1.255	1.245	1.434
FR1 n41_Ant 5 Sub	0.521	0.231	0.344	1.657	1.209	1.239	1.252	1.667	1.340	1.407	1.579	1.595	1.260	1.581	1.199	1.265	1.256	1.425	1.360	1.475	1.232	1.634	1.254	1.299	1.288	1.249	1.239	1.428
FR1 n48_Ant 5 Sub	0.522	0.231	0.344	1.658	1.210	1.240	1.253	1.668	1.341	1.408	1.580	1.596	1.261	1.582	1.200	1.266	1.257	1.426	1.361	1.476	1.233	1.635	1.255	1.300	1.289	1.250	1.240	1.429
FR1 n66_Ant 5 Sub	0.525	0.231	0.344	1.661	1.213	1.243	1.256	1.671	1.344	1.411	1.583	1.599	1.264	1.585	1.203	1.269	1.260	1.429	1.364	1.479	1.236	1.638	1.258	1.303	1.292	1.253	1.243	1.432
FR1 n77_Ant 5 Sub	0.526	0.231	0.344	1.662	1.214	1.244	1.257	1.672	1.345	1.412	1.584	1.600	1.265	1.586	1.204	1.270	1.261	1.430	1.365	1.480	1.237	1.639	1.259	1.304	1.293	1.254	1.244	1.433

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	0.571	56.2	271.3	-175.8	51.9	1.098	0.02	Not required
WWAN_Ant 5	0.527	54.0	323.1	-174.3				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 0	0.571	54.5	259.6	-175.3	20.9	0.617	0.02	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WWAN_Ant 0	0.571	56.2	271.3	-175.8	68.2	1.146	0.02	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.575	22.3	330.5	-174.5				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	65.3	0.718	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 5	0.527	49.5	323.9	-174.8	76.1	0.573	0.01	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WWAN_Ant 5	0.527	49.2	324.5	-174.7	27.6	1.102	0.04	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.575	22.3	330.5	-174.5				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	11.1	0.237	0.01	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.1	0.766	0.01	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.575	10.9	326.9	-173.8				
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0	82.2	0.621	0.01	Not required
Bluetooth_Ant 4 + WLAN5G_Ant 4	0.575	10.9	326.9	-173.8				

<Case 5>

Hybrid SPLSR calculation for antenna (1+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 1 + WLAN5G_Ant 3 + Bluetooth_Ant 4	1.151	58.9	-317.0	-174.0	65.6	1.940	0.04	Not required
WWAN_Ant 2	0.789	63.0	-251.5	-172.8				

<Case 6>

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

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
GSM850_Ant 1	0.467	0.231	0.311	1.614	1.508	1.629
WCDMA V_Ant 1	0.349	0.231	0.311	1.496	1.390	1.511
LTE Band 2_Ant 1 Sub	0.313	0.231	0.311	1.460	1.354	1.475
LTE Band 12_Ant 1	0.467	0.231	0.311	1.614	1.508	1.629
LTE Band 13_Ant 1	0.452	0.231	0.311	1.599	1.493	1.614
LTE Band 14_Ant 1	0.436	0.231	0.311	1.583	1.477	1.598
LTE Band 26_Ant 1	0.456	0.231	0.311	1.603	1.497	1.618
LTE Band 66_Ant 1 Sub	0.394	0.231	0.311	1.541	1.435	1.556
LTE Band 71_Ant 1	0.327	0.231	0.311	1.474	1.368	1.489
FR1 n2_Ant 1 Sub	0.330	0.231	0.311	1.477	1.371	1.492
FR1 n12_Ant 1	0.468	0.231	0.311	1.615	1.509	1.630
FR1 n26_Ant 1	0.451	0.231	0.311	1.598	1.492	1.613
FR1 n41_Ant 1 Sub	0.265	0.231	0.311	1.412	1.306	1.427
FR1 n48_Ant 1 Sub	0.440	0.231	0.311	1.587	1.481	1.602
FR1 n66_Ant 1 Sub	0.467	0.231	0.311	1.614	1.508	1.629
FR1 n71_Ant 1	0.460	0.231	0.311	1.607	1.501	1.622
FR1 n77_Ant 1 Sub	0.411	0.231	0.311	1.558	1.452	1.573

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	0.468	1.2	305.0	-172.0	80.5	1.088	0.01	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7	57.9	0.659	0.01	Not required
WWAN_Ant 1	0.468	1.2	305.0	-172.0				
WLAN5/6GHz_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	22.8	1.010	0.04	Not required
WLAN5/6GHz_Ant 4+Bluetooth_Ant 4	0.542	12.7	326.9	-174.0	22.7	0.811	0.03	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WLAN5/6GHz_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	92.8	1.162	0.01	Not required
WLAN5/6GHz_Ant 4+Bluetooth_Ant 4	0.542	22.3	330.5	-174.5	71.5	0.733	0.01	Not required
WLAN5/6GHz_Ant 3	0.191	37.3	259.8	-174.8				
WLAN5/6GHz_Ant 4+Bluetooth_Ant 4	0.542	12.7	326.9	-174.0				

<Case 7>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth 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
GSM850_Ant 1	0.467	0.231	0.344	1.647	1.541	1.662
WCDMA V_Ant 1	0.349	0.231	0.344	1.529	1.423	1.544
LTE Band 2_Ant 1 Sub	0.313	0.231	0.344	1.493	1.387	1.508
LTE Band 12_Ant 1	0.467	0.231	0.344	1.647	1.541	1.662
LTE Band 13_Ant 1	0.452	0.231	0.344	1.632	1.526	1.647
LTE Band 14_Ant 1	0.436	0.231	0.344	1.616	1.510	1.631
LTE Band 26_Ant 1	0.456	0.231	0.344	1.636	1.530	1.651
LTE Band 66_Ant 1 Sub	0.394	0.231	0.344	1.574	1.468	1.589
LTE Band 71_Ant 1	0.327	0.231	0.344	1.507	1.401	1.522
FR1 n2_Ant 1 Sub	0.330	0.231	0.344	1.510	1.404	1.525
FR1 n12_Ant 1	0.468	0.231	0.344	1.648	1.542	1.663
FR1 n26_Ant 1	0.451	0.231	0.344	1.631	1.525	1.646
FR1 n41_Ant 1 Sub	0.265	0.231	0.344	1.445	1.339	1.460
FR1 n48_Ant 1 Sub	0.440	0.231	0.344	1.620	1.514	1.635
FR1 n66_Ant 1 Sub	0.467	0.231	0.344	1.647	1.541	1.662
FR1 n71_Ant 1	0.460	0.231	0.344	1.640	1.534	1.655
FR1 n77_Ant 1 Sub	0.411	0.231	0.344	1.591	1.485	1.606

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	0.468	-6.5	295.4	-169.4	79.0	1.088	0.01	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 1	0.468	-6.5	295.4	-169.4	56.7	0.659	0.01	Not required
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 1	0.468	-6.5	295.4	-169.4	63.6	0.514	0.01	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	31.2	0.699	0.02	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	22.0	0.812	0.03	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	22.7	0.811	0.03	Not required
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	16.7	0.666	0.03	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	92.8	0.851	0.01	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	93.8	0.964	0.01	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8	11.1	0.237	0.01	Not required
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8	72.3	0.422	0.00	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8	72.1	0.535	0.01	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0	82.9	0.277	0.00	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
Bluetooth_Ant 3	0.046	36.7	248.9	-173.0	82.2	0.390	0.00	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5	12.0	0.575	0.04	Not required
Bluetooth_Ant 4	0.344	10.9	326.9	-173.8				

<Case 8>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1 + WLAN5G_Ant 3 + Bluetooth_Ant 4	1.151	-6.5	-286.7	-168.0	68.5	1.651	0.03	Not required
WWAN_Ant 7	0.500	46.2	-243.3	-174.0				

<Case 9>

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

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 Sub	0.527	0.231	0.311	1.674	1.568	1.689
LTE Band 66_Ant 5 Sub	0.519	0.231	0.311	1.666	1.560	1.681
FR1 n2_Ant 5 Sub	0.527	0.231	0.311	1.674	1.568	1.689
FR1 n41_Ant 5 Sub	0.521	0.231	0.311	1.668	1.562	1.683
FR1 n48_Ant 5 Sub	0.522	0.231	0.311	1.669	1.563	1.684
FR1 n66_Ant 5 Sub	0.525	0.231	0.311	1.672	1.566	1.687
FR1 n77_Ant 5 Sub	0.526	0.231	0.311	1.673	1.567	1.688

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 5 + Bluetooth_Ant 4 + WLAN 5G_Ant 4	1.069	49.5	323.9	-174.8	65.3	1.880	0.04	Not required
WWAN_Ant 6 + WLAN5G_Ant 3	0.811	37.3	259.8	-174.8				

<Case 10>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth 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 Sub	0.527	0.231	0.344	1.707	1.601	1.722
LTE Band 66_Ant 5 Sub	0.519	0.231	0.344	1.699	1.593	1.714
FR1 n2_Ant 5 Sub	0.527	0.231	0.344	1.707	1.601	1.722
FR1 n41_Ant 5 Sub	0.521	0.231	0.344	1.701	1.595	1.716
FR1 n48_Ant 5 Sub	0.522	0.231	0.344	1.702	1.596	1.717
FR1 n66_Ant 5 Sub	0.525	0.231	0.344	1.705	1.599	1.720
FR1 n77_Ant 5 Sub	0.526	0.231	0.344	1.706	1.600	1.721

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 5 + Bluetooth_Ant 4 + WLAN 5G_Ant 4	1.102	49.5	323.9	-174.8	65.3	1.959	0.04	Not required
WWAN_Ant 6 + Bluetooth_Ant 3 + WLAN 5G_Ant 3	0.857	37.3	259.8	-174.8				



<Case 11>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5G 6GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA A II Ant 0	WCDMA A IV Ant 0	WCDMA A 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 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	0.077	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	0.156	0.238	1.545	1.273	1.371	1.411	1.609	1.497	1.441	1.591	1.601	1.329	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
WCDMA V Ant 1	0.572	0.156	0.238	1.315	1.043	1.141	1.181	1.379	1.267	1.211	1.361	1.371	1.099	1.378	1.029	1.047	1.166	1.211	1.243	1.257	1.069	1.340	1.035	1.307	1.279	1.163	1.077	1.244
LTE Band 2 Ant 1 Sub	0.670	0.156	0.238	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
LTE Band 12 Ant 1	0.797	0.156	0.238	1.540	1.268	1.366	1.406	1.604	1.492	1.436	1.586	1.596	1.324	1.603	1.254	1.272	1.391	1.436	1.468	1.482	1.294	1.565	1.260	1.532	1.504	1.388	1.302	1.469
LTE Band 13 Ant 1	0.707	0.156	0.238	1.450	1.178	1.276	1.316	1.514	1.402	1.346	1.496	1.506	1.234	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 14 Ant 1	0.700	0.156	0.238	1.443	1.171	1.269	1.309	1.507	1.395	1.339	1.489	1.499	1.227	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 26 Ant 1	0.695	0.156	0.238	1.438	1.166	1.264	1.304	1.502	1.390	1.334	1.484	1.494	1.222	1.501	1.152	1.170	1.289	1.334	1.366	1.380	1.192	1.463	1.158	1.430	1.402	1.286	1.200	1.367
LTE Band 66 Ant 1 Sub	0.728	0.156	0.238	1.471	1.199	1.297	1.337	1.535	1.423	1.367	1.517	1.527	1.255	1.534	1.185	1.203	1.322	1.367	1.399	1.413	1.225	1.496	1.191	1.463	1.435	1.319	1.233	1.400
LTE Band 71 Ant 1	0.772	0.156	0.238	1.515	1.243	1.341	1.381	1.579	1.467	1.411	1.561	1.571	1.299	1.578	1.229	1.247	1.366	1.411	1.443	1.457	1.269	1.540	1.235	1.507	1.479	1.363	1.277	1.444
FR1 n2 Ant 1 Sub	0.677	0.156	0.238	1.420	1.148	1.246	1.286	1.484	1.372	1.316	1.466	1.476	1.204	1.483	1.134	1.152	1.271	1.316	1.348	1.362	1.174	1.445	1.140	1.412	1.384	1.268	1.182	1.349
FR1 n12 Ant 1	0.788	0.156	0.238	1.531	1.259	1.357	1.397	1.595	1.483	1.427	1.577	1.587	1.315	1.594	1.245	1.263	1.382	1.427	1.459	1.473	1.285	1.556	1.251	1.523	1.495	1.379	1.293	1.460
FR1 n26 Ant 1	0.662	0.156	0.238	1.405	1.133	1.231	1.271	1.469	1.357	1.301	1.451	1.461	1.189	1.468	1.119	1.137	1.256	1.301	1.333	1.347	1.159	1.430	1.125	1.397	1.369	1.253	1.167	1.334
FR1 n41 Ant 1 Sub	0.575	0.156	0.238	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
FR1 n48 Ant 1 Sub	0.813	0.156	0.238	1.556	1.284	1.382	1.422	1.620	1.508	1.452	1.602	1.612	1.340	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 n66 Ant 1 Sub	0.753	0.156	0.238	1.496	1.224	1.322	1.362	1.560	1.448	1.392	1.542	1.552	1.280	1.559	1.210	1.228	1.347	1.392	1.424	1.438	1.250	1.521	1.216	1.488	1.460	1.344	1.258	1.425
FR1 n71 Ant 1	0.801	0.156	0.238	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
FR1 n77 Ant 1 Sub	0.667	0.156	0.238	1.410	1.138	1.236	1.276	1.474	1.362	1.306	1.456	1.466	1.194	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

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	61.6	-276.2	-175.0	66.6	1.215	0.02	Not required
WWAN_Ant 1	0.802	14.6	-323.4	-174.3				
WWAN_Ant 0	0.413	61.6	-276.2	-175.0	40.9	0.807	0.02	Not required
WLAN2.4G Ant 4 + WLAN5G_Ant 3+4	0.394	58.9	-317.0	-174.0				
WWAN_Ant 1	0.802	14.6	-323.4	-174.3	32.7	1.196	0.04	Not required
WLAN2.4G Ant 4 + WLAN5G_Ant 3+4	0.394	-5.4	-297.9	-170.0				



<Case 12>

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

Exposure Position	WWAN SAR	WLAN2.4 GHz Ant 4+3	WLAN5G/6 GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA A II Ant 0	WCDMA A IV Ant 0	WCDMA A 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 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	0.077	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	0.161	0.238	1.550	1.278	1.376	1.416	1.614	1.502	1.446	1.596	1.606	1.334	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	0.161	0.238	1.320	1.048	1.146	1.186	1.384	1.272	1.216	1.366	1.376	1.104	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 Sub	0.670	0.161	0.238	1.418	1.146	1.244	1.284	1.482	1.370	1.314	1.464	1.474	1.202	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	0.161	0.238	1.545	1.273	1.371	1.411	1.609	1.497	1.441	1.591	1.601	1.329	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	0.161	0.238	1.455	1.183	1.281	1.321	1.519	1.407	1.351	1.501	1.511	1.239	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	0.161	0.238	1.448	1.176	1.274	1.314	1.512	1.400	1.344	1.494	1.504	1.232	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	0.161	0.238	1.443	1.171	1.269	1.309	1.507	1.395	1.339	1.489	1.499	1.227	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 Sub	0.728	0.161	0.238	1.476	1.204	1.302	1.342	1.540	1.428	1.372	1.522	1.532	1.260	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	0.161	0.238	1.520	1.248	1.346	1.386	1.584	1.472	1.416	1.566	1.576	1.304	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 Sub	0.677	0.161	0.238	1.425	1.153	1.251	1.291	1.489	1.377	1.321	1.471	1.481	1.209	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	0.161	0.238	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	1.290	1.561	1.256	1.528	1.500	1.384	1.298	1.465
FR1 n26 Ant 1	0.662	0.161	0.238	1.410	1.138	1.236	1.276	1.474	1.362	1.306	1.456	1.466	1.194	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 Sub	0.575	0.161	0.238	1.323	1.051	1.149	1.189	1.387	1.275	1.219	1.369	1.379	1.107	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 n48 Ant 1 Sub	0.813	0.161	0.238	1.561	1.289	1.387	1.427	1.625	1.513	1.457	1.607	1.617	1.345	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 Sub	0.753	0.161	0.238	1.501	1.229	1.327	1.367	1.565	1.453	1.397	1.547	1.557	1.285	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	0.161	0.238	1.549	1.277	1.375	1.415	1.613	1.501	1.445	1.595	1.605	1.333	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 Sub	0.667	0.161	0.238	1.415	1.143	1.241	1.281	1.479	1.367	1.311	1.461	1.471	1.199	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	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	36.7	0.812	0.02	Not required
WLAN2.4G_Ant 3 + WLAN5G_Ant 3	0.399	58.9	-317.0	-174.0				
WWAN_Ant 1	0.813	14.6	-323.4	-174.3	33.0	1.212	0.04	Not required
WLAN2.4G_Ant 3+4 + WLAN5G_Ant 3+4	0.399	-4.8	-297.0	-170.0				



<Case 13>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	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 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)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	0.379	0.136	0.538	0.158	0.203	0.192	0.153	0.143	0.332
GSM850_Ant 1	0.467	0.337	0.231	1.596	1.148	1.178	1.191	1.606	1.279	1.346	1.518	1.534	1.199	1.520	1.138	1.204	1.195	1.364	1.299	1.414	1.171	1.573	1.193	1.238	1.227	1.188	1.178	1.367
WCDMA V_Ant 1	0.349	0.337	0.231	1.478	1.030	1.060	1.073	1.488	1.161	1.228	1.400	1.416	1.081	1.402	1.020	1.086	1.077	1.246	1.181	1.296	1.053	1.455	1.075	1.120	1.109	1.070	1.060	1.249
LTE Band 2_Ant 1	0.313	0.337	0.231	1.442	0.994	1.024	1.037	1.452	1.125	1.192	1.364	1.380	1.045	1.366	0.984	1.050	1.041	1.210	1.145	1.260	1.017	1.419	1.039	1.084	1.073	1.034	1.024	1.213
LTE Band 12_Ant 1	0.467	0.337	0.231	1.596	1.148	1.178	1.191	1.606	1.279	1.346	1.518	1.534	1.199	1.520	1.138	1.204	1.195	1.364	1.299	1.414	1.171	1.573	1.193	1.238	1.227	1.188	1.178	1.367
LTE Band 13_Ant 1	0.452	0.337	0.231	1.581	1.133	1.163	1.176	1.591	1.264	1.331	1.503	1.519	1.184	1.505	1.123	1.189	1.180	1.349	1.284	1.399	1.156	1.558	1.178	1.223	1.212	1.173	1.163	1.352
LTE Band 14_Ant 1	0.436	0.337	0.231	1.565	1.117	1.147	1.160	1.575	1.248	1.315	1.487	1.503	1.168	1.489	1.107	1.173	1.164	1.333	1.268	1.383	1.140	1.542	1.162	1.207	1.196	1.157	1.147	1.336
LTE Band 26_Ant 1	0.456	0.337	0.231	1.585	1.137	1.167	1.180	1.595	1.268	1.335	1.507	1.523	1.188	1.509	1.127	1.193	1.184	1.353	1.288	1.403	1.160	1.562	1.182	1.227	1.216	1.177	1.167	1.356
LTE Band 66_Ant 1	0.394	0.337	0.231	1.523	1.075	1.105	1.118	1.533	1.206	1.273	1.445	1.461	1.126	1.447	1.065	1.131	1.122	1.291	1.226	1.341	1.098	1.500	1.120	1.165	1.154	1.115	1.105	1.294
LTE Band 71_Ant 1	0.327	0.337	0.231	1.456	1.008	1.038	1.051	1.466	1.139	1.206	1.378	1.394	1.059	1.380	0.998	1.064	1.055	1.224	1.159	1.274	1.031	1.433	1.053	1.098	1.087	1.048	1.038	1.227
FR1 n2_Ant 1	0.330	0.337	0.231	1.459	1.011	1.041	1.054	1.469	1.142	1.209	1.381	1.397	1.062	1.383	1.001	1.067	1.058	1.227	1.162	1.277	1.034	1.436	1.056	1.101	1.090	1.051	1.041	1.230
FR1 n12_Ant 1	0.468	0.337	0.231	1.597	1.149	1.179	1.192	1.607	1.280	1.347	1.519	1.535	1.200	1.521	1.139	1.205	1.196	1.365	1.300	1.415	1.172	1.574	1.194	1.239	1.228	1.189	1.179	1.368
FR1 n26_Ant 1	0.451	0.337	0.231	1.580	1.132	1.162	1.175	1.590	1.263	1.330	1.502	1.518	1.183	1.504	1.122	1.188	1.179	1.348	1.283	1.398	1.155	1.557	1.177	1.222	1.211	1.172	1.162	1.351
FR1 n41_Ant 1	0.265	0.337	0.231	1.394	0.946	0.976	0.989	1.404	1.077	1.144	1.316	1.332	0.997	1.318	0.936	1.002	0.993	1.162	1.097	1.212	0.969	1.371	0.991	1.036	1.025	0.986	0.976	1.165
FR1 n48_Ant 1	0.440	0.337	0.231	1.569	1.121	1.151	1.164	1.579	1.252	1.319	1.491	1.507	1.172	1.493	1.111	1.177	1.168	1.337	1.272	1.387	1.144	1.546	1.166	1.211	1.200	1.161	1.151	1.340
FR1 n66_Ant 1	0.467	0.337	0.231	1.596	1.148	1.178	1.191	1.606	1.279	1.346	1.518	1.534	1.199	1.520	1.138	1.204	1.195	1.364	1.299	1.414	1.171	1.573	1.193	1.238	1.227	1.188	1.178	1.367
FR1 n71_Ant 1	0.460	0.337	0.231	1.589	1.141	1.171	1.184	1.599	1.272	1.339	1.511	1.527	1.192	1.513	1.131	1.197	1.188	1.357	1.292	1.407	1.164	1.566	1.186	1.231	1.220	1.181	1.171	1.360
FR1 n77_Ant 1	0.411	0.337	0.231	1.540	1.092	1.122	1.135	1.550	1.223	1.290	1.462	1.478	1.143	1.464	1.082	1.148	1.139	1.308	1.243	1.358	1.115	1.517	1.137	1.182	1.171	1.132	1.122	1.311

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	0.571	52.4	262.7	-175.7	66.6	1.039	0.02	Not required
WWAN_Ant 1	0.468	2.2	306.3	-172.2				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	77.6	0.908	0.01	Not required
WLAN2.4G_Ant 4	0.337	10.3	327.8	-173.8				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	74.2	0.802	0.01	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 1	0.468	-6.5	295.4	-169.4	56.7	0.659	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	22.7	0.805	0.03	Not required
WLAN2.4G_Ant 4	0.337	10.3	327.8	-173.8				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	31.2	0.699	0.02	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	73.2	0.528	0.01	Not required
WLAN2.4G_Ant 4	0.337	10.3	327.8	-173.8				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.3	0.422	0.00	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				



<Case 14>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+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 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)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	0.379	0.136	0.538	0.158	0.203	0.192	0.153	0.143	0.332
GSM850_Ant 1	0.467	0.358	0.231	1.617	1.169	1.199	1.212	1.627	1.300	1.367	1.539	1.555	1.220	1.541	1.159	1.225	1.216	1.385	1.320	1.435	1.192	1.594	1.214	1.259	1.248	1.209	1.199	1.388
WCDMA V_Ant 1	0.349	0.358	0.231	1.499	1.051	1.081	1.094	1.509	1.182	1.249	1.421	1.437	1.102	1.423	1.041	1.107	1.098	1.267	1.202	1.317	1.074	1.476	1.096	1.141	1.130	1.091	1.081	1.270
LTE Band 2_Ant 1	0.313	0.358	0.231	1.463	1.015	1.045	1.058	1.473	1.146	1.213	1.385	1.401	1.066	1.387	1.005	1.071	1.062	1.231	1.166	1.281	1.038	1.440	1.060	1.105	1.094	1.055	1.045	1.234
LTE Band 12_Ant 1	0.467	0.358	0.231	1.617	1.169	1.199	1.212	1.627	1.300	1.367	1.539	1.555	1.220	1.541	1.159	1.225	1.216	1.385	1.320	1.435	1.192	1.594	1.214	1.259	1.248	1.209	1.199	1.388
LTE Band 13_Ant 1	0.452	0.358	0.231	1.602	1.154	1.184	1.197	1.612	1.285	1.352	1.524	1.540	1.205	1.526	1.144	1.210	1.201	1.370	1.305	1.420	1.177	1.579	1.199	1.244	1.233	1.194	1.184	1.373
LTE Band 14_Ant 1	0.436	0.358	0.231	1.586	1.138	1.168	1.181	1.596	1.269	1.336	1.508	1.524	1.189	1.510	1.128	1.194	1.185	1.354	1.289	1.404	1.161	1.563	1.183	1.228	1.217	1.178	1.168	1.357
LTE Band 26_Ant 1	0.456	0.358	0.231	1.606	1.158	1.188	1.201	1.616	1.289	1.356	1.528	1.544	1.209	1.530	1.148	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
LTE Band 66_Ant 1	0.394	0.358	0.231	1.544	1.096	1.126	1.139	1.554	1.227	1.294	1.466	1.482	1.147	1.468	1.086	1.152	1.143	1.312	1.247	1.362	1.119	1.521	1.141	1.186	1.175	1.136	1.126	1.315
LTE Band 71_Ant 1	0.327	0.358	0.231	1.477	1.029	1.059	1.072	1.487	1.160	1.227	1.399	1.415	1.080	1.401	1.019	1.085	1.076	1.245	1.180	1.295	1.052	1.454	1.074	1.119	1.108	1.069	1.059	1.248
FR1 n2_Ant 1	0.330	0.358	0.231	1.480	1.032	1.062	1.075	1.490	1.163	1.230	1.402	1.418	1.083	1.404	1.022	1.088	1.079	1.248	1.183	1.298	1.055	1.457	1.077	1.122	1.111	1.072	1.062	1.251
FR1 n12_Ant 1	0.468	0.358	0.231	1.618	1.170	1.200	1.213	1.628	1.301	1.368	1.540	1.556	1.221	1.542	1.160	1.226	1.217	1.386	1.321	1.436	1.193	1.595	1.215	1.260	1.249	1.210	1.200	1.389
FR1 n26_Ant 1	0.451	0.358	0.231	1.601	1.153	1.183	1.196	1.611	1.284	1.351	1.523	1.539	1.204	1.525	1.143	1.209	1.200	1.369	1.304	1.419	1.176	1.578	1.198	1.243	1.232	1.193	1.183	1.372
FR1 n41_Ant 1	0.265	0.358	0.231	1.415	0.967	0.997	1.010	1.425	1.098	1.165	1.337	1.353	1.018	1.339	0.957	1.023	1.014	1.183	1.118	1.233	0.990	1.392	1.012	1.057	1.046	1.007	0.997	1.186
FR1 n48_Ant 1	0.440	0.358	0.231	1.590	1.142	1.172	1.185	1.600	1.273	1.340	1.512	1.528	1.193	1.514	1.132	1.198	1.189	1.358	1.293	1.408	1.165	1.567	1.187	1.232	1.221	1.182	1.172	1.361
FR1 n66_Ant 1	0.467	0.358	0.231	1.617	1.169	1.199	1.212	1.627	1.300	1.367	1.539	1.555	1.220	1.541	1.159	1.225	1.216	1.385	1.320	1.435	1.192	1.594	1.214	1.259	1.248	1.209	1.199	1.388
FR1 n71_Ant 1	0.460	0.358	0.231	1.610	1.162	1.192	1.205	1.620	1.293	1.360	1.532	1.548	1.213	1.534	1.152	1.218	1.209	1.378	1.313	1.428	1.185	1.587	1.207	1.252	1.241	1.202	1.192	1.381
FR1 n77_Ant 1	0.411	0.358	0.231	1.561	1.113	1.143	1.156	1.571	1.244	1.311	1.483	1.499	1.164	1.485	1.103	1.169	1.160	1.329	1.264	1.379	1.136	1.538	1.158	1.203	1.192	1.153	1.143	1.332

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	0.571	56.2	271.3	-175.8	64.5	1.039	0.02	Not required
WWAN_Ant 1	0.468	2.2	306.3	-172.2				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	23.5	0.649	0.02	Not required
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 0	0.571	56.2	271.3	-175.8	72.8	0.929	0.01	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WWAN_Ant 0	0.571	56.2	271.3	-175.8	68.2	0.802	0.01	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 1	0.468	-2.4	302.7	-171.1	62.6	0.546	0.01	Not required
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1				
WWAN_Ant 1	0.468	1.2	305.0	-172.0	57.9	0.659	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	22.0	0.826	0.03	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	31.2	0.699	0.02	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1	10.6	0.269	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1	79.9	0.436	0.00	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1	80.5	0.309	0.00	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.9	0.549	0.01	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.3	0.422	0.00	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7	12.9	0.589	0.03	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				



<Case 15>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5G 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 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	0.077	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
GSM1900_Ant 2	0.668	0.156	0.238	1.411	1.139	1.237	1.277	1.475	1.363	1.307	1.457	1.467	1.195	1.474	1.125	1.143	1.262	1.307	1.339	1.353	1.165	1.436	1.131	1.403	1.375	1.259	1.173	1.340
WCDMA II_Ant 2	0.789	0.156	0.238	1.532	1.260	1.358	1.398	1.596	1.484	1.428	1.578	1.588	1.316	1.595	1.246	1.264	1.383	1.428	1.460	1.474	1.286	1.557	1.252	1.524	1.496	1.380	1.294	1.461
WCDMA IV_Ant 2	0.726	0.156	0.238	1.469	1.197	1.295	1.335	1.533	1.421	1.365	1.515	1.525	1.253	1.532	1.183	1.201	1.320	1.365	1.397	1.411	1.223	1.494	1.189	1.461	1.433	1.317	1.231	1.398
LTE Band 7_Ant 2	0.680	0.156	0.238	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
LTE Band 25_Ant 2	0.786	0.156	0.238	1.529	1.257	1.355	1.395	1.593	1.481	1.425	1.575	1.585	1.313	1.592	1.243	1.261	1.380	1.425	1.457	1.471	1.283	1.554	1.249	1.521	1.493	1.377	1.291	1.458
LTE Band 30_Ant 2	0.647	0.156	0.238	1.390	1.118	1.216	1.256	1.454	1.342	1.286	1.436	1.446	1.174	1.453	1.104	1.122	1.241	1.286	1.318	1.332	1.144	1.415	1.110	1.382	1.354	1.238	1.152	1.319
LTE Band 41_Ant 2	0.788	0.156	0.238	1.531	1.259	1.357	1.397	1.595	1.483	1.427	1.577	1.587	1.315	1.594	1.245	1.263	1.382	1.427	1.459	1.473	1.285	1.556	1.251	1.523	1.495	1.379	1.293	1.460
LTE Band 66_Ant 2	0.781	0.156	0.238	1.524	1.252	1.350	1.390	1.588	1.476	1.420	1.570	1.580	1.308	1.587	1.238	1.256	1.375	1.420	1.452	1.466	1.278	1.549	1.244	1.516	1.488	1.372	1.286	1.453
FR1 n7_Ant 2	0.780	0.156	0.238	1.523	1.251	1.349	1.389	1.587	1.475	1.419	1.569	1.579	1.307	1.586	1.237	1.255	1.374	1.419	1.451	1.465	1.277	1.548	1.243	1.515	1.487	1.371	1.285	1.452
FR1 n25_Ant 2	0.689	0.156	0.238	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 n30_Ant 2	0.677	0.156	0.238	1.420	1.148	1.246	1.286	1.484	1.372	1.316	1.466	1.476	1.204	1.483	1.134	1.152	1.271	1.316	1.348	1.362	1.174	1.445	1.140	1.412	1.384	1.268	1.182	1.349
FR1 n41_Ant 2	0.691	0.156	0.238	1.434	1.162	1.260	1.300	1.498	1.386	1.330	1.480	1.490	1.218	1.497	1.148	1.166	1.285	1.330	1.362	1.376	1.188	1.459	1.154	1.426	1.398	1.282	1.196	1.363
FR1 n66_Ant 2	0.705	0.156	0.238	1.448	1.176	1.274	1.314	1.512	1.400	1.344	1.494	1.504	1.232	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
FR1 n70_Ant 2	0.551	0.156	0.238	1.294	1.022	1.120	1.160	1.358	1.246	1.190	1.340	1.350	1.078	1.357	1.008	1.026	1.145	1.190	1.222	1.236	1.048	1.319	1.014	1.286	1.258	1.142	1.056	1.223

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 + WWAN_Ant 2 + WLAN5G_Ant 3	1.440	58.9	-317.0	-174.0	67.2	1.74	0.03	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.300	-5.4	-297.9	-170.0				

<Case 16>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5G 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 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	0.077	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
GSM1900_Ant 2	0.668	0.161	0.238	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	1.267	1.312	1.344	1.358	1.170	1.441	1.136	1.408	1.380	1.264	1.178	1.345
WCDMA II_Ant 2	0.789	0.161	0.238	1.537	1.265	1.363	1.403	1.601	1.489	1.433	1.583	1.593	1.321	1.600	1.251	1.269	1.388	1.433	1.465	1.479	1.291	1.562	1.257	1.529	1.501	1.385	1.299	1.466
WCDMA IV_Ant 2	0.726	0.161	0.238	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 7_Ant 2	0.680	0.161	0.238	1.428	1.156	1.254	1.294	1.492	1.380	1.324	1.474	1.484	1.212	1.491	1.142	1.160	1.279	1.324	1.356	1.370	1.182	1.453	1.148	1.420	1.392	1.276	1.190	1.357
LTE Band 25_Ant 2	0.786	0.161	0.238	1.534	1.262	1.360	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	1.558	1.254	1.526	1.498	1.382	1.296	1.463
LTE Band 30_Ant 2	0.647	0.161	0.238	1.395	1.123	1.221	1.261	1.459	1.347	1.291	1.441	1.451	1.179	1.458	1.109	1.127	1.246	1.291	1.323	1.337	1.149	1.420	1.115	1.387	1.359	1.243	1.157	1.324
LTE Band 41_Ant 2	0.788	0.161	0.238	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	1.290	1.561	1.256	1.528	1.500	1.384	1.298	1.465
LTE Band 66_Ant 2	0.781	0.161	0.238	1.529	1.257	1.355	1.395	1.593	1.481	1.425	1.575	1.585	1.313	1.592	1.243	1.261	1.380	1.425	1.457	1.471	1.283	1.554	1.249	1.521	1.493	1.377	1.291	1.458
FR1 n7_Ant 2	0.780	0.161	0.238	1.528	1.256	1.354	1.394	1.592	1.480	1.424	1.574	1.584	1.312	1.591	1.242	1.260	1.379	1.424	1.456	1.470	1.282	1.553	1.248	1.520	1.492	1.376	1.290	1.457
FR1 n25_Ant 2	0.689	0.161	0.238	1.437	1.165	1.263	1.303	1.501	1.389	1.333	1.483	1.493	1.221	1.500	1.151	1.169	1.288	1.333	1.365	1.379	1.191	1.462	1.157	1.429	1.401	1.285	1.199	1.366
FR1 n30_Ant 2	0.677	0.161	0.238	1.425	1.153	1.251	1.291	1.489	1.377	1.321	1.471	1.481	1.209	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 n41_Ant 2	0.691	0.161	0.238	1.439	1.167	1.265	1.305	1.503	1.391	1.335	1.485	1.495	1.223	1.502	1.153	1.171	1.290	1.335	1.367	1.381	1.193	1.464	1.159	1.431	1.403	1.287	1.201	1.368
FR1 n66_Ant 2	0.705	0.161	0.238	1.453	1.181	1.279	1.319	1.517	1.405	1.349	1.499	1.509	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
FR1 n70_Ant 2	0.551	0.161	0.238	1.299	1.027	1.125	1.165	1.363	1.251	1.195	1.345	1.355	1.083	1.362	1.013	1.031	1.150	1.195	1.227	1.241	1.053	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 + WWAN_Ant 2 + WLAN5G_Ant 3	1.542	58.9	-317.0	-174.0	67.2	1.842	0.04	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.300	-5.4	-297.9	-170.0				



<Case 17>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5G Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA Ant 0	WCDMA Ant 0	WCDMA 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 n71 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
Left Cheek	1g SAR (W/kg)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	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	0.337	0.231	1.656	1.208	1.238	1.251	1.666	1.339	1.406	1.578	1.594	1.259	1.580	1.198	1.264	1.255	1.424	1.359	1.474	1.231	1.633	1.253	1.298	1.287	1.248	1.238	1.427
LTE Band 66 Ant 5	0.519	0.337	0.231	1.648	1.200	1.230	1.243	1.658	1.331	1.398	1.570	1.596	1.251	1.572	1.190	1.256	1.247	1.416	1.351	1.466	1.223	1.625	1.245	1.290	1.279	1.240	1.230	1.419
FR1 n2 Ant 5	0.527	0.337	0.231	1.656	1.208	1.238	1.251	1.666	1.339	1.406	1.578	1.594	1.259	1.580	1.198	1.264	1.255	1.424	1.359	1.474	1.231	1.633	1.253	1.298	1.287	1.248	1.238	1.427
FR1 n41 Ant 5	0.521	0.337	0.231	1.650	1.202	1.232	1.245	1.660	1.333	1.400	1.572	1.588	1.253	1.574	1.192	1.258	1.249	1.418	1.353	1.468	1.225	1.627	1.247	1.292	1.281	1.242	1.232	1.421
FR1 n48 Ant 5	0.522	0.337	0.231	1.651	1.203	1.233	1.246	1.661	1.334	1.401	1.573	1.589	1.254	1.575	1.193	1.259	1.250	1.419	1.354	1.469	1.226	1.628	1.248	1.293	1.282	1.243	1.233	1.422
FR1 n66 Ant 5	0.525	0.337	0.231	1.654	1.206	1.236	1.249	1.664	1.337	1.404	1.576	1.592	1.257	1.578	1.196	1.262	1.253	1.422	1.357	1.472	1.229	1.631	1.251	1.296	1.285	1.246	1.236	1.425
FR1 n77 Ant 5	0.526	0.337	0.231	1.655	1.207	1.237	1.250	1.665	1.338	1.405	1.577	1.593	1.258	1.579	1.197	1.263	1.254	1.423	1.358	1.473	1.230	1.632	1.252	1.297	1.286	1.247	1.237	1.426

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	0.571	56.2	271.3	-175.8	51.9	1.039	0.02	Not required
WWAN_Ant 5	0.468	54.0	323.1	-174.3				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 0	0.571	56.2	271.3	-175.8	68.2	1.139	0.02	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.568	22.3	330.5	-174.5				
WWAN_Ant 5	0.468	49.5	323.9	-174.8	65.3	0.659	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 5	0.468	49.2	324.5	-174.7	27.6	1.036	0.04	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.568	22.3	330.5	-174.5				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.3	0.759	0.01	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.568	22.3	330.5	-174.5				

<Case 18>

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

Exposure Position	WW SAR	WLAN2.4 GHz Ant 4+3	WLAN5G GHz Ant 4+3	GSM850 Ant 10	GSM1900 Ant 0	WCDMA Ant 0	WCDMA Ant 0	WCDMA 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 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)			0.561	0.113	0.143	0.156	0.571	0.244	0.311	0.483	0.499	0.164	0.485	0.103	0.169	0.160	0.329	0.264	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	0.358	0.231	1.677	1.229	1.259	1.272	1.687	1.360	1.427	1.599	1.615	1.280	1.601	1.219	1.285	1.276	1.445	1.380	1.495	1.252	1.654	1.274	1.319	1.308	1.269	1.259	1.448
LTE Band 66 Ant 5	0.519	0.358	0.231	1.669	1.221	1.251	1.264	1.679	1.352	1.419	1.591	1.607	1.272	1.593	1.211	1.277	1.268	1.437	1.372	1.487	1.244	1.646	1.266	1.311	1.300	1.261	1.251	1.440
FR1 n2 Ant 5	0.527	0.358	0.231	1.677	1.229	1.259	1.272	1.687	1.360	1.427	1.599	1.615	1.280	1.601	1.219	1.285	1.276	1.445	1.380	1.495	1.252	1.654	1.274	1.319	1.308	1.269	1.259	1.448
FR1 n41 Ant 5	0.521	0.358	0.231	1.671	1.223	1.253	1.266	1.681	1.354	1.421	1.593	1.609	1.274	1.595	1.213	1.279	1.270	1.439	1.374	1.489	1.246	1.648	1.268	1.313	1.302	1.263	1.253	1.442
FR1 n48 Ant 5	0.522	0.358	0.231	1.672	1.224	1.254	1.267	1.682	1.355	1.422	1.594	1.610	1.275	1.596	1.214	1.280	1.271	1.440	1.375	1.490	1.247	1.649	1.269	1.314	1.303	1.264	1.254	1.443
FR1 n66 Ant 5	0.525	0.358	0.231	1.675	1.227	1.257	1.270	1.685	1.358	1.425	1.597	1.613	1.278	1.599	1.217	1.283	1.274	1.443	1.378	1.493	1.250	1.652	1.272	1.317	1.306	1.267	1.257	1.446
FR1 n77 Ant 5	0.526	0.358	0.231	1.676	1.228	1.258	1.271	1.686	1.359	1.426	1.598	1.614	1.279	1.600	1.218	1.284	1.275	1.444	1.379	1.494	1.251	1.653	1.273	1.318	1.307	1.268	1.258	1.447

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	0.571	56.2	271.3	-175.8	51.9	1.098	0.02	Not required
WWAN_Ant 5	0.527	54.0	323.1	-174.3				
WWAN_Ant 0	0.571	54.0	257.7	-175.2	22.8	0.649	0.02	Not required
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1				
WWAN_Ant 0	0.571	52.4	262.7	-175.7	15.4	0.762	0.04	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 0	0.571	56.2	271.3	-175.8	68.2	1.160	0.02	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.589	22.3	330.5	-174.5				
WWAN_Ant 5	0.468	49.5	323.9	-174.8	75.2	0.546	0.01	Not required
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1				
WWAN_Ant 5	0.468	49.5	323.9	-174.8	65.3	0.659	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 5	0.468	49.2	324.5	-174.7	27.6	1.057	0.04	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.589	22.3	330.5	-174.5				
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1	10.6	0.269	0.01	Not required
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8				
WLAN2.4G_Ant 3	0.078	32.5	250.7	-172.1	79.9	0.667	0.01	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.589	9.8	327.3	-173.7				
WLAN5G_Ant 3	0.191	37.3	259.8	-174.8	72.3	0.780	0.01	Not required
WLAN2.4G_Ant 4 + WLAN5G_Ant 4	0.589	22.3	330.5	-174.5				

<Case 19>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)+2

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1 + WLAN2.4G_Ant 4 + WLAN5G_Ant 3	1.212	58.9	-317.0	-174.0	65.6	2.00	0.04	Not required
WWAN_Ant 2	0.789	63.0	-251.5	-172.8				

<Case 20>

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

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
GSM850_Ant 1	0.467	0.337	0.231	1.640	1.534	1.655
WCDMA V_Ant 1	0.349	0.337	0.231	1.522	1.416	1.537
LTE Band 2_Ant 1	0.313	0.337	0.231	1.486	1.380	1.501
LTE Band 12_Ant 1	0.467	0.337	0.231	1.640	1.534	1.655
LTE Band 13_Ant 1	0.452	0.337	0.231	1.625	1.519	1.640
LTE Band 14_Ant 1	0.436	0.337	0.231	1.609	1.503	1.624
LTE Band 26_Ant 1	0.456	0.337	0.231	1.629	1.523	1.644
LTE Band 66_Ant 1	0.394	0.337	0.231	1.567	1.461	1.582
LTE Band 71_Ant 1	0.327	0.337	0.231	1.500	1.394	1.515
FR1 n2_Ant 1	0.330	0.337	0.231	1.503	1.397	1.518
FR1 n12_Ant 1	0.468	0.337	0.231	1.641	1.535	1.656
FR1 n26_Ant 1	0.451	0.337	0.231	1.624	1.518	1.639
FR1 n41_Ant 1	0.265	0.337	0.231	1.438	1.332	1.453
FR1 n48_Ant 1	0.440	0.337	0.231	1.613	1.507	1.628
FR1 n66_Ant 1	0.467	0.337	0.231	1.640	1.534	1.655
FR1 n71_Ant 1	0.460	0.337	0.231	1.633	1.527	1.648
FR1 n77_Ant 1	0.411	0.337	0.231	1.584	1.478	1.599

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	0.468	-6.5	295.4	-169.4	79.0	1.088	0.01	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 1	0.468	-3.1	294.3	-170.0				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8	53.3	0.659	0.01	Not required
WWAN_Ant 1	0.468	2.2	306.7	-172.3				
WLAN2.4G_Ant 4	0.337	10.3	327.8	-173.8				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	22.7	0.805	0.03	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 1	0.468	2.2	306.7	-172.3	31.2	0.699	0.02	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	22.7	0.811	0.03	Not required
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8				
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	94.9	0.957	0.01	Not required
WLAN2.4G_Ant 4	0.337	10.3	327.8	-173.8				
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 6	0.620	52.1	242.6	-173.7	92.8	0.851	0.01	Not required
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8	73.2	0.528	0.01	Not required
WLAN2.4G_Ant 4	0.337	10.3	327.8	-173.8				
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8				
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5	72.3	0.422	0.00	Not required
WLAN5/6G_Ant 3	0.191	37.3	259.8	-174.8				
WLAN5/6G_Ant 4	0.231	22.3	330.5	-174.5				

<Case 21>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	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
GSM850_Ant 1	0.467	0.358	0.231	1.661	1.555	1.676
WCDMA V_Ant 1	0.349	0.358	0.231	1.543	1.437	1.558
LTE Band 2_Ant 1	0.313	0.358	0.231	1.507	1.401	1.522
LTE Band 12_Ant 1	0.467	0.358	0.231	1.661	1.555	1.676
LTE Band 13_Ant 1	0.452	0.358	0.231	1.646	1.540	1.661
LTE Band 14_Ant 1	0.436	0.358	0.231	1.630	1.524	1.645
LTE Band 26_Ant 1	0.456	0.358	0.231	1.650	1.544	1.665
LTE Band 66_Ant 1	0.394	0.358	0.231	1.588	1.482	1.603
LTE Band 71_Ant 1	0.327	0.358	0.231	1.521	1.415	1.536
FR1 n2_Ant 1	0.330	0.358	0.231	1.524	1.418	1.539
FR1 n12_Ant 1	0.468	0.358	0.231	1.662	1.556	1.677
FR1 n26_Ant 1	0.451	0.358	0.231	1.645	1.539	1.660
FR1 n41_Ant 1	0.265	0.358	0.231	1.459	1.353	1.474
FR1 n48_Ant 1	0.440	0.358	0.231	1.634	1.528	1.649
FR1 n66_Ant 1	0.467	0.358	0.231	1.661	1.555	1.676
FR1 n71_Ant 1	0.460	0.358	0.231	1.654	1.548	1.669
FR1 n77_Ant 1	0.411	0.358	0.231	1.605	1.499	1.620

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	0.468	-6.5	295.4	-169.4	79.0	1.088	0.01	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WWAN_Ant 1	0.468	-3.1	294.3	-170.0				
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	37.3	259.8	-174.8	53.3	0.737	0.01	Not required
WWAN_Ant 1	0.468	2.2	306.7	-172.3	22.0	0.826	0.03	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WWAN_Ant 1	0.468	2.2	306.7	-172.3				
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5	31.2	0.699	0.02	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7	21.3	0.889	0.04	Not required
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	32.5	250.7	-172.1				
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7	94.7	0.978	0.01	Not required
WWAN_Ant 6	0.620	52.1	242.6	-173.7				
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	32.5	250.7	-172.1	79.9	0.627	0.01	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	32.5	250.7	-172.1				
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5	80.5	0.500	0.00	Not required
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	37.3	259.8	-174.8				
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	37.3	259.8	-174.8	72.9	0.627	0.01	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WLAN5/6GHz_Ant 3+WLAN2.4GHz_Ant 3	0.269	37.3	259.8	-174.8				
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5	72.3	0.500	0.00	Not required
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7				
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				
WLAN2.4G_Ant 4	0.358	9.8	327.3	-173.7	12.9	0.589	0.03	Not required
WLAN5G_Ant 4	0.231	22.3	330.5	-174.5				

<Case 22>

Hybrid SPLSR calculation for antenna 0 and antenna (1+3+4)+7

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1 + WLAN2.4G_Ant 4 + WLAN5G_Ant 3	1.212	-6.5	-286.7	-168.0	68.5	1.712	0.03	Not required
WWAN_Ant 7	0.500	46.2	-243.3	-174.0				

<Case 23>

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

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	0.337	0.231	1.700	1.594	1.715
LTE Band 66_Ant 5	0.519	0.337	0.231	1.692	1.586	1.707
FR1 n2_Ant 5	0.527	0.337	0.231	1.700	1.594	1.715
FR1 n41_Ant 5	0.521	0.337	0.231	1.694	1.588	1.709
FR1 n48_Ant 5	0.522	0.337	0.231	1.695	1.589	1.710
FR1 n66_Ant 5	0.525	0.337	0.231	1.698	1.592	1.713
FR1 n77_Ant 5	0.526	0.337	0.231	1.699	1.593	1.714

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 5 + WLAN2.4G_Ant 4 + WLAN5G_Ant 4	1.095	49.5	323.9	-174.8	65.3	1.906	0.04	Not required
WWAN_Ant 6 + WLAN5G_Ant 3	0.811	37.3	259.8	-174.8				

<Case 24>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	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	0.358	0.231	1.721	1.615	1.736
LTE Band 66_Ant 5	0.519	0.358	0.231	1.713	1.607	1.728
FR1 n2_Ant 5	0.527	0.358	0.231	1.721	1.615	1.736
FR1 n41_Ant 5	0.521	0.358	0.231	1.715	1.609	1.730
FR1 n48_Ant 5	0.522	0.358	0.231	1.716	1.610	1.731
FR1 n66_Ant 5	0.525	0.358	0.231	1.719	1.613	1.734
FR1 n77_Ant 5	0.526	0.358	0.231	1.720	1.614	1.735

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 5 + WLAN2.4G_Ant 4 + WLAN5G_Ant 4	1.116	49.5	323.9	-174.8	65.3	2.01	0.04	Not required
WWAN_Ant 6 + WLAN2.4G_Ant 3 + WLAN5G_Ant 3	0.889	37.3	259.8	-174.8				

<Case 25>

Hybrid SPLSR calculation for antenna 0 and antenna 0+(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	70.3	1.821	0.03	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4	1.060	17.3	33.7	-207.0				

<Case 26>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)		0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.464	1.320	1.385	1.326	1.487	1.220	1.278	1.220	1.363	1.527	1.481	1.319	1.244	1.399	1.377
GSM1900_Ant 0	0.386	0.464	1.191	1.256	1.197	1.358	1.091	1.149	1.091	1.234	1.398	1.352	1.190	1.115	1.270	1.248
WCDMA II_Ant 0	0.339	0.464	1.144	1.209	1.150	1.311	1.044	1.102	1.044	1.187	1.351	1.305	1.143	1.068	1.223	1.201
WCDMA IV_Ant 0	0.344	0.464	1.149	1.214	1.155	1.316	1.049	1.107	1.049	1.192	1.356	1.310	1.148	1.073	1.228	1.206
WCDMA V_Ant 0	0.761	0.464	1.566	1.631	1.572	1.733	1.466	1.524	1.466	1.609	1.773	1.727	1.565	1.490	1.645	1.623
LTE Band 7_Ant 0	0.326	0.464	1.131	1.196	1.137	1.298	1.031	1.089	1.031	1.174	1.338	1.292	1.130	1.055	1.210	1.188
LTE Band 12_Ant 0	0.493	0.464	1.298	1.363	1.304	1.465	1.198	1.256	1.198	1.341	1.505	1.459	1.297	1.222	1.377	1.355
LTE Band 13_Ant 0	0.445	0.464	1.250	1.315	1.256	1.417	1.150	1.208	1.150	1.293	1.457	1.411	1.249	1.174	1.329	1.307
LTE Band 14_Ant 0	0.402	0.464	1.207	1.272	1.213	1.374	1.107	1.165	1.107	1.250	1.414	1.368	1.206	1.131	1.286	1.264
LTE Band 25_Ant 0	0.370	0.464	1.175	1.240	1.181	1.342	1.075	1.133	1.075	1.218	1.382	1.336	1.174	1.099	1.254	1.232
LTE Band 26_Ant 0	0.628	0.464	1.433	1.498	1.439	1.600	1.333	1.391	1.333	1.476	1.640	1.594	1.432	1.357	1.512	1.490
LTE Band 30_Ant 0	0.376	0.464	1.181	1.246	1.187	1.348	1.081	1.139	1.081	1.224	1.388	1.342	1.180	1.105	1.260	1.238
LTE Band 41_Ant 0	0.309	0.464	1.114	1.179	1.120	1.281	1.014	1.072	1.014	1.157	1.321	1.275	1.113	1.038	1.193	1.171
LTE Band 66_Ant 0	0.368	0.464	1.173	1.238	1.179	1.340	1.073	1.131	1.073	1.216	1.380	1.334	1.172	1.097	1.252	1.230
LTE Band 71_Ant 0	0.427	0.464	1.232	1.297	1.238	1.399	1.132	1.190	1.132	1.275	1.439	1.393	1.231	1.156	1.311	1.289
FR1 n7_Ant 0	0.506	0.464	1.311	1.376	1.317	1.478	1.211	1.269	1.211	1.354	1.518	1.472	1.310	1.235	1.390	1.368
FR1 n12_Ant 0	0.495	0.464	1.300	1.365	1.306	1.467	1.200	1.258	1.200	1.343	1.507	1.461	1.299	1.224	1.379	1.357
FR1 n25_Ant 0	0.449	0.464	1.254	1.319	1.260	1.421	1.154	1.212	1.154	1.297	1.461	1.415	1.253	1.178	1.333	1.311
FR1 n26_Ant 0	0.638	0.464	1.443	1.508	1.449	1.610	1.343	1.401	1.343	1.486	1.650	1.604	1.442	1.367	1.522	1.500
FR1 n30_Ant 0	0.419	0.464	1.224	1.289	1.230	1.391	1.124	1.182	1.124	1.267	1.431	1.385	1.223	1.148	1.303	1.281
FR1 n41_Ant 0	0.318	0.464	1.123	1.188	1.129	1.290	1.023	1.081	1.023	1.166	1.330	1.284	1.122	1.047	1.202	1.180
FR1 n66_Ant 0	0.437	0.464	1.242	1.307	1.248	1.409	1.142	1.200	1.142	1.285	1.449	1.403	1.241	1.166	1.321	1.299
FR1 n70_Ant 0	0.341	0.464	1.146	1.211	1.152	1.313	1.046	1.104	1.046	1.189	1.353	1.307	1.145	1.070	1.225	1.203
FR1 n71_Ant 0	0.529	0.464	1.334	1.399	1.340	1.501	1.234	1.292	1.234	1.377	1.541	1.495	1.333	1.258	1.413	1.391

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+WWAN_Ant 2	1.309	-25.1	-22.4	-207.0	70.3	1.773	0.03	Not required
WLAN5/6GHz Ant 3+4	0.464	17.3	33.7	-207.0				

<Case 27>

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 5+WLAN5/6GHz Ant 3+4	0.861	-64.4	24.1	-207.0	112.9	1.622	0.02	Not required
WWAN_Ant 0	0.761	-17.1	-78.4	-207.0				

<Case 28>

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 1+WLAN5/6GHz Ant 3+4	1.060	17.3	33.7	-207.0	109.3	1.608	0.02	Not required
WWAN_Ant 2	0.548	-60.5	-43.0	-207.0				

<Case 29>

Hybrid SPLSR calculation for antenna 6 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+WLAN5/6GHz Ant 3+4	0.855	-23.5	25.0	-207.0	73.5	1.695	0.03	Not required
WWAN_Ant 6	0.840	-25.0	-48.5	-207.0				

<Case 30>

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 5+WLAN5/6GHz Ant 3+4	0.962	-23.4	-26.4	-207.0	83.9	1.722	0.03	Not required
WWAN_Ant 2	0.760	-25.0	57.5	-207.0				

<Case 31>

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	58.2	1.808	0.04	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.047	12.5	22.0	-207.0				

<Case 32>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	WLAN2.4GHz Ant 3	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.319	0.078	1.253	1.318	1.259	1.420	1.153	1.211	1.153	1.296	1.460	1.414	1.252	1.177	1.332	1.310
GSM1900_Ant 0	0.386	0.319	0.078	1.124	1.189	1.130	1.291	1.024	1.082	1.024	1.167	1.331	1.285	1.123	1.048	1.203	1.181
WCDMA II_Ant 0	0.339	0.319	0.078	1.077	1.142	1.083	1.244	0.977	1.035	0.977	1.120	1.284	1.238	1.076	1.001	1.156	1.134
WCDMA IV_Ant 0	0.344	0.319	0.078	1.082	1.147	1.088	1.249	0.982	1.040	0.982	1.125	1.289	1.243	1.081	1.006	1.161	1.139
WCDMA V_Ant 0	0.761	0.319	0.078	1.499	1.564	1.505	1.666	1.399	1.457	1.399	1.542	1.706	1.660	1.498	1.423	1.578	1.556
LTE Band 7_Ant 0	0.326	0.319	0.078	1.064	1.129	1.070	1.231	0.964	1.022	0.964	1.107	1.271	1.225	1.063	0.988	1.143	1.121
LTE Band 12_Ant 0	0.493	0.319	0.078	1.231	1.296	1.237	1.398	1.131	1.189	1.131	1.274	1.438	1.392	1.230	1.155	1.310	1.288
LTE Band 13_Ant 0	0.445	0.319	0.078	1.183	1.248	1.189	1.350	1.083	1.141	1.083	1.226	1.390	1.344	1.182	1.107	1.262	1.240
LTE Band 14_Ant 0	0.402	0.319	0.078	1.140	1.205	1.146	1.307	1.040	1.098	1.040	1.183	1.347	1.301	1.139	1.064	1.219	1.197
LTE Band 25_Ant 0	0.370	0.319	0.078	1.108	1.173	1.114	1.275	1.008	1.066	1.008	1.151	1.315	1.269	1.107	1.032	1.187	1.165
LTE Band 26_Ant 0	0.628	0.319	0.078	1.366	1.431	1.372	1.533	1.266	1.324	1.266	1.409	1.573	1.527	1.365	1.290	1.445	1.423
LTE Band 30_Ant 0	0.376	0.319	0.078	1.114	1.179	1.120	1.281	1.014	1.072	1.014	1.157	1.321	1.275	1.113	1.038	1.193	1.171
LTE Band 41_Ant 0	0.309	0.319	0.078	1.047	1.112	1.053	1.214	0.947	1.005	0.947	1.090	1.254	1.208	1.046	0.971	1.126	1.104
LTE Band 66_Ant 0	0.368	0.319	0.078	1.106	1.171	1.112	1.273	1.006	1.064	1.006	1.149	1.313	1.267	1.105	1.030	1.185	1.163
LTE Band 71_Ant 0	0.427	0.319	0.078	1.165	1.230	1.171	1.332	1.065	1.123	1.065	1.208	1.372	1.326	1.164	1.089	1.244	1.222
FR1 n7_Ant 0	0.506	0.319	0.078	1.244	1.309	1.250	1.411	1.144	1.202	1.144	1.287	1.451	1.405	1.243	1.168	1.323	1.301
FR1 n12_Ant 0	0.495	0.319	0.078	1.233	1.298	1.239	1.400	1.133	1.191	1.133	1.276	1.440	1.394	1.232	1.157	1.312	1.290
FR1 n25_Ant 0	0.449	0.319	0.078	1.187	1.252	1.193	1.354	1.087	1.145	1.087	1.230	1.394	1.348	1.186	1.111	1.266	1.244
FR1 n26_Ant 0	0.638	0.319	0.078	1.376	1.441	1.382	1.543	1.276	1.334	1.276	1.419	1.583	1.537	1.375	1.300	1.455	1.433
FR1 n30_Ant 0	0.419	0.319	0.078	1.157	1.222	1.163	1.324	1.057	1.115	1.057	1.200	1.364	1.318	1.156	1.081	1.236	1.214
FR1 n41_Ant 0	0.318	0.319	0.078	1.056	1.121	1.062	1.223	0.956	1.014	0.956	1.099	1.263	1.217	1.055	0.980	1.135	1.113
FR1 n66_Ant 0	0.437	0.319	0.078	1.175	1.240	1.181	1.342	1.075	1.133	1.075	1.218	1.382	1.336	1.174	1.099	1.254	1.232
FR1 n71_Ant 0	0.529	0.319	0.078	1.267	1.332	1.273	1.434	1.167	1.225	1.167	1.310	1.474	1.428	1.266	1.191	1.346	1.324

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+WWAN_Ant 2	1.309	-52.5	-48.5	-207.0	98.4	1.706	0.02	Not required
WLAN5/6GHz Ant 3+4+WLAN2.4GHz Ant 3	0.397	14.0	24.0	-207.0				

<Case 33>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	WLAN2.4GHz Ant 4	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.319	0.122	1.297	1.362	1.303	1.464	1.197	1.255	1.197	1.340	1.504	1.458	1.296	1.221	1.376	1.354
GSM1900_Ant 0	0.386	0.319	0.122	1.168	1.233	1.174	1.335	1.068	1.126	1.068	1.211	1.375	1.329	1.167	1.092	1.247	1.225
WCDMA II_Ant 0	0.339	0.319	0.122	1.121	1.186	1.127	1.288	1.021	1.079	1.021	1.164	1.328	1.282	1.120	1.045	1.200	1.178
WCDMA IV_Ant 0	0.344	0.319	0.122	1.126	1.191	1.132	1.293	1.026	1.084	1.026	1.169	1.333	1.287	1.125	1.050	1.205	1.183
WCDMA V_Ant 0	0.761	0.319	0.122	1.543	1.608	1.549	1.710	1.443	1.501	1.443	1.586	1.750	1.704	1.542	1.467	1.622	1.600
LTE Band 7_Ant 0	0.326	0.319	0.122	1.108	1.173	1.114	1.275	1.008	1.066	1.008	1.151	1.315	1.269	1.107	1.032	1.187	1.165
LTE Band 12_Ant 0	0.493	0.319	0.122	1.275	1.340	1.281	1.442	1.175	1.233	1.175	1.318	1.482	1.436	1.274	1.199	1.354	1.332
LTE Band 13_Ant 0	0.445	0.319	0.122	1.227	1.292	1.233	1.394	1.127	1.185	1.127	1.270	1.434	1.388	1.226	1.151	1.306	1.284
LTE Band 14_Ant 0	0.402	0.319	0.122	1.184	1.249	1.190	1.351	1.084	1.142	1.084	1.227	1.391	1.345	1.183	1.108	1.263	1.241
LTE Band 25_Ant 0	0.370	0.319	0.122	1.152	1.217	1.158	1.319	1.052	1.110	1.052	1.195	1.359	1.313	1.151	1.076	1.231	1.209
LTE Band 26_Ant 0	0.628	0.319	0.122	1.410	1.475	1.416	1.577	1.310	1.368	1.310	1.453	1.617	1.571	1.409	1.334	1.489	1.467
LTE Band 30_Ant 0	0.376	0.319	0.122	1.158	1.223	1.164	1.325	1.058	1.116	1.058	1.201	1.365	1.319	1.157	1.082	1.237	1.215
LTE Band 41_Ant 0	0.309	0.319	0.122	1.091	1.156	1.097	1.258	0.991	1.049	0.991	1.134	1.298	1.252	1.090	1.015	1.170	1.148
LTE Band 66_Ant 0	0.368	0.319	0.122	1.150	1.215	1.156	1.317	1.050	1.108	1.050	1.193	1.357	1.311	1.149	1.074	1.229	1.207
LTE Band 71_Ant 0	0.427	0.319	0.122	1.209	1.274	1.215	1.376	1.109	1.167	1.109	1.252	1.416	1.370	1.208	1.133	1.288	1.266
FR1 n7_Ant 0	0.506	0.319	0.122	1.288	1.353	1.294	1.455	1.188	1.246	1.188	1.331	1.495	1.449	1.287	1.212	1.367	1.345
FR1 n12_Ant 0	0.495	0.319	0.122	1.277	1.342	1.283	1.444	1.177	1.235	1.177	1.320	1.484	1.438	1.276	1.201	1.356	1.334
FR1 n25_Ant 0	0.449	0.319	0.122	1.231	1.296	1.237	1.398	1.131	1.189	1.131	1.274	1.438	1.392	1.230	1.155	1.310	1.288
FR1 n26_Ant 0	0.638	0.319	0.122	1.420	1.485	1.426	1.587	1.320	1.378	1.320	1.463	1.627	1.581	1.419	1.344	1.499	1.477
FR1 n30_Ant 0	0.419	0.319	0.122	1.201	1.266	1.207	1.368	1.101	1.159	1.101	1.244	1.408	1.362	1.200	1.125	1.280	1.258
FR1 n41_Ant 0	0.318	0.319	0.122	1.100	1.165	1.106	1.267	1.000	1.058	1.000	1.143	1.307	1.261	1.099	1.024	1.179	1.157
FR1 n66_Ant 0	0.437	0.319	0.122	1.219	1.284	1.225	1.386	1.119	1.177	1.119	1.262	1.426	1.380	1.218	1.143	1.298	1.276
FR1 n70_Ant 0	0.341	0.319	0.122	1.123	1.188	1.129	1.290	1.023	1.081	1.023	1.166	1.330	1.284	1.122	1.047	1.202	1.180
FR1 n71_Ant 0	0.529	0.319	0.122	1.311	1.376	1.317	1.478	1.211	1.269	1.211	1.354	1.518	1.472	1.310	1.235	1.390	1.368

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+WWAN_Ant 2	1.309	-25.1	-22.4	-207.0	67.4	1.750	0.03	Not required
WLAN5/6GHz Ant 3+4+WLAN2.4GHz Ant 4	0.441	10.8	34.7	-207.0				

<Case 34>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	WLAN2.4GHz Ant 4+3	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.319	0.132	1.307	1.372	1.313	1.474	1.207	1.265	1.207	1.350	1.514	1.468	1.306	1.231	1.386	1.364
GSM1900_Ant 0	0.386	0.319	0.132	1.178	1.243	1.184	1.345	1.078	1.136	1.078	1.221	1.385	1.339	1.177	1.102	1.257	1.235
WCDMA II_Ant 0	0.339	0.319	0.132	1.131	1.196	1.137	1.298	1.031	1.089	1.031	1.174	1.338	1.292	1.130	1.055	1.210	1.188
WCDMA IV_Ant 0	0.344	0.319	0.132	1.136	1.201	1.142	1.303	1.036	1.094	1.036	1.179	1.343	1.297	1.135	1.060	1.215	1.193
WCDMA V_Ant 0	0.761	0.319	0.132	1.553	1.618	1.559	1.720	1.453	1.511	1.453	1.596	1.760	1.714	1.552	1.477	1.632	1.610
LTE Band 7_Ant 0	0.326	0.319	0.132	1.118	1.183	1.124	1.285	1.018	1.076	1.018	1.161	1.325	1.279	1.117	1.042	1.197	1.175
LTE Band 12_Ant 0	0.493	0.319	0.132	1.285	1.350	1.291	1.452	1.185	1.243	1.185	1.328	1.492	1.446	1.284	1.209	1.364	1.342
LTE Band 13_Ant 0	0.445	0.319	0.132	1.237	1.302	1.243	1.404	1.137	1.195	1.137	1.280	1.444	1.398	1.236	1.161	1.316	1.294
LTE Band 14_Ant 0	0.402	0.319	0.132	1.194	1.259	1.200	1.361	1.094	1.152	1.094	1.237	1.401	1.355	1.193	1.118	1.273	1.251
LTE Band 25_Ant 0	0.370	0.319	0.132	1.162	1.227	1.168	1.329	1.062	1.120	1.062	1.205	1.369	1.323	1.161	1.086	1.241	1.219
LTE Band 26_Ant 0	0.628	0.319	0.132	1.420	1.485	1.426	1.587	1.320	1.378	1.320	1.463	1.627	1.581	1.419	1.344	1.499	1.477
LTE Band 30_Ant 0	0.376	0.319	0.132	1.168	1.233	1.174	1.335	1.068	1.126	1.068	1.211	1.375	1.329	1.167	1.092	1.247	1.225
LTE Band 41_Ant 0	0.309	0.319	0.132	1.101	1.166	1.107	1.268	1.001	1.059	1.001	1.144	1.308	1.262	1.100	1.025	1.180	1.158
LTE Band 66_Ant 0	0.368	0.319	0.132	1.160	1.225	1.166	1.327	1.060	1.118	1.060	1.203	1.367	1.321	1.159	1.084	1.239	1.217
LTE Band 71_Ant 0	0.427	0.319	0.132	1.219	1.284	1.225	1.386	1.119	1.177	1.119	1.262	1.426	1.380	1.218	1.143	1.298	1.276
FR1 n7_Ant 0	0.506	0.319	0.132	1.298	1.363	1.304	1.465	1.198	1.256	1.198	1.341	1.505	1.459	1.297	1.222	1.377	1.355
FR1 n12_Ant 0	0.495	0.319	0.132	1.287	1.352	1.293	1.454	1.187	1.245	1.187	1.330	1.494	1.448	1.286	1.211	1.366	1.344
FR1 n25_Ant 0	0.449	0.319	0.132	1.241	1.306	1.247	1.408	1.141	1.199	1.141	1.284	1.448	1.402	1.240	1.165	1.320	1.298
FR1 n26_Ant 0	0.638	0.319	0.132	1.430	1.495	1.436	1.597	1.330	1.388	1.330	1.473	1.637	1.591	1.429	1.354	1.509	1.487
FR1 n30_Ant 0	0.419	0.319	0.132	1.211	1.276	1.217	1.378	1.111	1.169	1.111	1.254	1.418	1.372	1.210	1.135	1.290	1.268
FR1 n41_Ant 0	0.318	0.319	0.132	1.110	1.175	1.116	1.277	1.010	1.068	1.010	1.153	1.317	1.271	1.109	1.034	1.189	1.167
FR1 n66_Ant 0	0.437	0.319	0.132	1.229	1.294	1.235	1.396	1.129	1.187	1.129	1.272	1.436	1.390	1.228	1.153	1.308	1.286
FR1 n70_Ant 0	0.341	0.319	0.132	1.133	1.198	1.139	1.300	1.033	1.091	1.033	1.176	1.340	1.294	1.132	1.057	1.212	1.190
FR1 n71_Ant 0	0.529	0.319	0.132	1.321	1.386	1.327	1.488	1.221	1.279	1.221	1.364	1.528	1.482	1.320	1.245	1.400	1.378

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+WWAN_Ant 2	1.309	-25.1	-22.4	-207.0	58.2	1.760	0.04	Not required
WLAN5/6GHz Ant 3+4+WLAN2.4GHz Ant 3+4	0.451	12.5	22.0	-207.0				

<Case 35>

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 5+WLAN2.4GHz_Ant 3+4+WLAN5/6GHz Ant 3+4	0.848	12.5	22.0	-207.0	104.7	1.609	0.02	Not required
WWAN_Ant 0	0.761	-17.1	-78.4	-207.0				

<Case 36>

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 1+WLAN5/6GHz Ant 3+4	1.047	12.5	22.0	-207.0	97.7	1.595	0.02	Not required
WWAN_Ant 2	0.548	-60.5	-43.0	-207.0				

<Case 37>

Hybrid SPLSR calculation for antenna 6 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+WLAN2.4GHz_Ant 3+WLAN5/6GHz Ant 3+4	0.770	-25.5	23.0	-207.0	74.1	1.610	0.03	Not required
WWAN_Ant 6	0.840	-22.0	-51.0	-207.0				

<Case 38>

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 5+WLAN2.4GHz+WLAN5/6GHz Ant 3+4	0.885	-24.4	-26.4	-207.0	83.9	1.645	0.03	Not required
WWAN_Ant 2	0.760	-25.0	57.5	-207.0				

<Case 39>

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	56.1	1.828	0.04	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4+Bluetooth Ant 4	1.067	11.0	20.5	-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 3	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.319	0.046	1.221	1.286	1.227	1.388	1.121	1.179	1.121	1.264	1.428	1.382	1.220	1.145	1.300	1.278
GSM1900_Ant 0	0.386	0.319	0.046	1.092	1.157	1.098	1.259	0.992	1.050	0.992	1.135	1.299	1.253	1.091	1.016	1.171	1.149
WCDMA II_Ant 0	0.339	0.319	0.046	1.045	1.110	1.051	1.212	0.945	1.003	0.945	1.088	1.252	1.206	1.044	0.969	1.124	1.102
WCDMA IV_Ant 0	0.344	0.319	0.046	1.050	1.115	1.056	1.217	0.950	1.008	0.950	1.093	1.257	1.211	1.049	0.974	1.129	1.107
WCDMA V_Ant 0	0.761	0.319	0.046	1.467	1.532	1.473	1.634	1.367	1.425	1.367	1.510	1.674	1.628	1.466	1.391	1.546	1.524
LTE Band 7_Ant 0	0.326	0.319	0.046	1.032	1.097	1.038	1.199	0.932	0.990	0.932	1.075	1.239	1.193	1.031	0.956	1.111	1.089
LTE Band 12_Ant 0	0.493	0.319	0.046	1.199	1.264	1.205	1.366	1.099	1.157	1.099	1.242	1.406	1.360	1.198	1.123	1.278	1.256
LTE Band 13_Ant 0	0.445	0.319	0.046	1.151	1.216	1.157	1.318	1.051	1.109	1.051	1.194	1.358	1.312	1.150	1.075	1.230	1.208
LTE Band 14_Ant 0	0.402	0.319	0.046	1.108	1.173	1.114	1.275	1.008	1.066	1.008	1.151	1.315	1.269	1.107	1.032	1.187	1.165
LTE Band 25_Ant 0	0.370	0.319	0.046	1.076	1.141	1.082	1.243	0.976	1.034	0.976	1.119	1.283	1.237	1.075	1.000	1.155	1.133
LTE Band 26_Ant 0	0.628	0.319	0.046	1.334	1.399	1.340	1.501	1.234	1.292	1.234	1.377	1.541	1.495	1.333	1.258	1.413	1.391
LTE Band 30_Ant 0	0.376	0.319	0.046	1.082	1.147	1.088	1.249	0.982	1.040	0.982	1.125	1.289	1.243	1.081	1.006	1.161	1.139
LTE Band 41_Ant 0	0.309	0.319	0.046	1.015	1.080	1.021	1.182	0.915	0.973	0.915	1.058	1.222	1.176	1.014	0.939	1.094	1.072
LTE Band 66_Ant 0	0.368	0.319	0.046	1.074	1.139	1.080	1.241	0.974	1.032	0.974	1.117	1.281	1.235	1.073	0.998	1.153	1.131
LTE Band 71_Ant 0	0.427	0.319	0.046	1.133	1.198	1.139	1.300	1.033	1.091	1.033	1.176	1.340	1.294	1.132	1.057	1.212	1.190
FR1 n7_Ant 0	0.506	0.319	0.046	1.212	1.277	1.218	1.379	1.112	1.170	1.112	1.255	1.419	1.373	1.211	1.136	1.291	1.269
FR1 n12_Ant 0	0.495	0.319	0.046	1.201	1.266	1.207	1.368	1.101	1.159	1.101	1.244	1.408	1.362	1.200	1.125	1.280	1.258
FR1 n25_Ant 0	0.449	0.319	0.046	1.155	1.220	1.161	1.322	1.055	1.113	1.055	1.198	1.362	1.316	1.154	1.079	1.234	1.212
FR1 n26_Ant 0	0.638	0.319	0.046	1.344	1.409	1.350	1.511	1.244	1.302	1.244	1.387	1.551	1.505	1.343	1.268	1.423	1.401
FR1 n30_Ant 0	0.419	0.319	0.046	1.125	1.190	1.131	1.292	1.025	1.083	1.025	1.168	1.332	1.286	1.124	1.049	1.204	1.182
FR1 n41_Ant 0	0.318	0.319	0.046	1.024	1.089	1.030	1.191	0.924	0.982	0.924	1.067	1.231	1.185	1.023	0.948	1.103	1.081
FR1 n66_Ant 0	0.437	0.319	0.046	1.143	1.208	1.149	1.310	1.043	1.101	1.043	1.186	1.350	1.304	1.142	1.067	1.222	1.200
FR1 n71_Ant 0	0.529	0.319	0.046	1.235	1.300	1.241	1.402	1.135	1.193	1.135	1.278	1.442	1.396	1.234	1.159	1.314	1.292

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+WWAN_Ant 2	1.309	-52.5	-48.5	-207.0	94.9	1.674	0.02	Not required
WLAN5/6GHz Ant 3+4+Bluetooth Ant 3	0.365	10.5	22.5	-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	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.319	0.152	1.327	1.392	1.333	1.494	1.227	1.285	1.227	1.370	1.534	1.488	1.326	1.251	1.406	1.384
GSM1900_Ant 0	0.386	0.319	0.152	1.198	1.263	1.204	1.365	1.098	1.156	1.098	1.241	1.405	1.359	1.197	1.122	1.277	1.255
WCDMA II_Ant 0	0.339	0.319	0.152	1.151	1.216	1.157	1.318	1.051	1.109	1.051	1.194	1.358	1.312	1.150	1.075	1.230	1.208
WCDMA IV_Ant 0	0.344	0.319	0.152	1.156	1.221	1.162	1.323	1.056	1.114	1.056	1.199	1.363	1.317	1.155	1.080	1.235	1.213
WCDMA V_Ant 0	0.761	0.319	0.152	1.573	1.638	1.579	1.740	1.473	1.531	1.473	1.616	1.780	1.734	1.572	1.497	1.652	1.630
LTE Band 7_Ant 0	0.326	0.319	0.152	1.138	1.203	1.144	1.305	1.038	1.096	1.038	1.181	1.345	1.299	1.137	1.062	1.217	1.195
LTE Band 12_Ant 0	0.493	0.319	0.152	1.305	1.370	1.311	1.472	1.205	1.263	1.205	1.348	1.512	1.466	1.304	1.229	1.384	1.362
LTE Band 13_Ant 0	0.445	0.319	0.152	1.257	1.322	1.263	1.424	1.157	1.215	1.157	1.300	1.464	1.418	1.256	1.181	1.336	1.314
LTE Band 14_Ant 0	0.402	0.319	0.152	1.214	1.279	1.220	1.381	1.114	1.172	1.114	1.257	1.421	1.375	1.213	1.138	1.293	1.271
LTE Band 25_Ant 0	0.370	0.319	0.152	1.182	1.247	1.188	1.349	1.082	1.140	1.082	1.225	1.389	1.343	1.181	1.106	1.261	1.239
LTE Band 26_Ant 0	0.628	0.319	0.152	1.440	1.505	1.446	1.607	1.340	1.398	1.340	1.483	1.647	1.601	1.439	1.364	1.519	1.497
LTE Band 30_Ant 0	0.376	0.319	0.152	1.188	1.253	1.194	1.355	1.088	1.146	1.088	1.231	1.395	1.349	1.187	1.112	1.267	1.245
LTE Band 41_Ant 0	0.309	0.319	0.152	1.121	1.186	1.127	1.288	1.021	1.079	1.021	1.164	1.328	1.282	1.120	1.045	1.200	1.178
LTE Band 66_Ant 0	0.368	0.319	0.152	1.180	1.245	1.186	1.347	1.080	1.138	1.080	1.223	1.387	1.341	1.179	1.104	1.259	1.237
LTE Band 71_Ant 0	0.427	0.319	0.152	1.239	1.304	1.245	1.406	1.139	1.197	1.139	1.282	1.446	1.400	1.238	1.163	1.318	1.296
FR1 n7_Ant 0	0.506	0.319	0.152	1.318	1.383	1.324	1.485	1.218	1.276	1.218	1.361	1.525	1.479	1.317	1.242	1.397	1.375
FR1 n12_Ant 0	0.495	0.319	0.152	1.307	1.372	1.313	1.474	1.207	1.265	1.207	1.350	1.514	1.468	1.306	1.231	1.386	1.364
FR1 n25_Ant 0	0.449	0.319	0.152	1.261	1.326	1.267	1.428	1.161	1.219	1.161	1.304	1.468	1.422	1.260	1.185	1.340	1.318
FR1 n26_Ant 0	0.638	0.319	0.152	1.450	1.515	1.456	1.617	1.350	1.408	1.350	1.493	1.657	1.611	1.449	1.374	1.529	1.507
FR1 n30_Ant 0	0.419	0.319	0.152	1.231	1.296	1.237	1.398	1.131	1.189	1.131	1.274	1.438	1.392	1.230	1.155	1.310	1.288
FR1 n41_Ant 0	0.318	0.319	0.152	1.130	1.195	1.136	1.297	1.030	1.088	1.030	1.173	1.337	1.291	1.129	1.054	1.209	1.187
FR1 n66_Ant 0	0.437	0.319	0.152	1.249	1.314	1.255	1.416	1.149	1.207	1.149	1.292	1.456	1.410	1.248	1.173	1.328	1.306
FR1 n70_Ant 0	0.341	0.319	0.152	1.153	1.218	1.159	1.320	1.053	1.111	1.053	1.196	1.360	1.314	1.152	1.077	1.232	1.210
FR1 n71_Ant 0	0.529	0.319	0.152	1.341	1.406	1.347	1.508	1.241	1.299	1.241	1.384	1.548	1.502	1.340	1.265	1.420	1.398

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+WWAN_Ant 2	1.309	-25.1	-22.4	-207.0	67.4	1.780	0.04	Not required
WLAN5/6GHz Ant 3+4+Bluetooth Ant 4	0.471	10.8	34.7	-207.0				

<Case 42>

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	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.341	0.406	0.347	0.508	0.241	0.299	0.241	0.384	0.548	0.502	0.340	0.265	0.420	0.398
GSM850_Ant 0	0.515	0.319	0.113	1.288	1.353	1.294	1.455	1.188	1.246	1.188	1.331	1.495	1.449	1.287	1.212	1.367	1.345
GSM1900_Ant 0	0.386	0.319	0.113	1.159	1.224	1.165	1.326	1.059	1.117	1.059	1.202	1.366	1.320	1.158	1.083	1.238	1.216
WCDMA II_Ant 0	0.339	0.319	0.113	1.112	1.177	1.118	1.279	1.012	1.070	1.012	1.155	1.319	1.273	1.111	1.036	1.191	1.169
WCDMA IV_Ant 0	0.344	0.319	0.113	1.117	1.182	1.123	1.284	1.017	1.075	1.017	1.160	1.324	1.278	1.116	1.041	1.196	1.174
WCDMA V_Ant 0	0.761	0.319	0.113	1.534	1.599	1.540	1.701	1.434	1.492	1.434	1.577	1.741	1.695	1.533	1.458	1.613	1.591
LTE Band 7_Ant 0	0.326	0.319	0.113	1.099	1.164	1.105	1.266	0.999	1.057	0.999	1.142	1.306	1.260	1.098	1.023	1.178	1.156
LTE Band 12_Ant 0	0.493	0.319	0.113	1.266	1.331	1.272	1.433	1.166	1.224	1.166	1.309	1.473	1.427	1.265	1.190	1.345	1.323
LTE Band 13_Ant 0	0.445	0.319	0.113	1.218	1.283	1.224	1.385	1.118	1.176	1.118	1.261	1.425	1.379	1.217	1.142	1.297	1.275
LTE Band 14_Ant 0	0.402	0.319	0.113	1.175	1.240	1.181	1.342	1.075	1.133	1.075	1.218	1.382	1.336	1.174	1.099	1.254	1.232
LTE Band 25_Ant 0	0.370	0.319	0.113	1.143	1.208	1.149	1.310	1.043	1.101	1.043	1.186	1.350	1.304	1.142	1.067	1.222	1.200
LTE Band 26_Ant 0	0.628	0.319	0.113	1.401	1.466	1.407	1.568	1.301	1.359	1.301	1.444	1.608	1.562	1.400	1.325	1.480	1.458
LTE Band 30_Ant 0	0.376	0.319	0.113	1.149	1.214	1.155	1.316	1.049	1.107	1.049	1.192	1.356	1.310	1.148	1.073	1.228	1.206
LTE Band 41_Ant 0	0.309	0.319	0.113	1.082	1.147	1.088	1.249	0.982	1.040	0.982	1.125	1.289	1.243	1.081	1.006	1.161	1.139
LTE Band 66_Ant 0	0.368	0.319	0.113	1.141	1.206	1.147	1.308	1.041	1.099	1.041	1.184	1.348	1.302	1.140	1.065	1.220	1.198
LTE Band 71_Ant 0	0.427	0.319	0.113	1.200	1.265	1.206	1.367	1.100	1.158	1.100	1.243	1.407	1.361	1.199	1.124	1.279	1.257
FR1 n7_Ant 0	0.506	0.319	0.113	1.279	1.344	1.285	1.446	1.179	1.237	1.179	1.322	1.486	1.440	1.278	1.203	1.358	1.336
FR1 n12_Ant 0	0.495	0.319	0.113	1.268	1.333	1.274	1.435	1.168	1.226	1.168	1.311	1.475	1.429	1.267	1.192	1.347	1.325
FR1 n25_Ant 0	0.449	0.319	0.113	1.222	1.287	1.228	1.389	1.122	1.180	1.122	1.265	1.429	1.383	1.221	1.146	1.301	1.279
FR1 n26_Ant 0	0.638	0.319	0.113	1.411	1.476	1.417	1.578	1.311	1.369	1.311	1.454	1.618	1.572	1.410	1.335	1.490	1.468
FR1 n30_Ant 0	0.419	0.319	0.113	1.192	1.257	1.198	1.359	1.092	1.150	1.092	1.235	1.399	1.353	1.191	1.116	1.271	1.249
FR1 n41_Ant 0	0.318	0.319	0.113	1.091	1.156	1.097	1.258	0.991	1.049	0.991	1.134	1.298	1.252	1.090	1.015	1.170	1.148
FR1 n66_Ant 0	0.437	0.319	0.113	1.210	1.275	1.216	1.377	1.110	1.168	1.110	1.253	1.417	1.371	1.209	1.134	1.289	1.267
FR1 n70_Ant 0	0.341	0.319	0.113	1.114	1.179	1.120	1.281	1.014	1.072	1.014	1.157	1.321	1.275	1.113	1.038	1.193	1.171
FR1 n71_Ant 0	0.529	0.319	0.113	1.302	1.367	1.308	1.469	1.202	1.260	1.202	1.345	1.509	1.463	1.301	1.226	1.381	1.359

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+WWAN_Ant 2	1.309	-25.1	-22.4	-207.0	61.0	1.741	0.04	Not required
WLAN5/6GHz Ant 3+4+Bluetooth_Ant 3+4	0.432	12.0	26.0	-207.0				

<Case 43>

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 5+WLAN5/6GHz Ant 3+4+Bluetooth_Ant 4	0.868	-64.4	24.1	-207.0	112.9	1.629	0.02	Not required
WWAN_Ant 0	0.761	-17.1	-78.4	-207.0				

<Case 44>

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 1+WLAN5/6GHz Ant 3+4+Bluetooth_Ant 4	1.067	12.3	35.9	-207.0	107.4	1.615	0.02	Not required
WWAN_Ant 2	0.548	-60.5	-43.0	-207.0				

<Case 45>

Hybrid SPLSR calculation for antenna 6 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+WLAN5/6GHz Ant 3+4+Bluetooth_Ant 3	0.769	-25.5	24.5	-207.0	75.6	1.609	0.03	Not required
WWAN_Ant 6	0.840	-22.0	-51.0	-207.0				

<Case 46>

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 5+WLAN5/6GHz Ant 3+4+Bluetooth_Ant 4	0.879	-24.4	-26.4	-207.0	83.9	1.639	0.03	Not required
WWAN_Ant 2	0.760	-25.0	57.5	-207.0				

<Case 47>

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 48>

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	98.8	1.724	0.02	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4	0.878	-64.0	22.0	-207.0				

<Case 49>

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	104.7	1.958	0.03	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4	1.153	13.0	24.0	-207.0				

<Case 50>

Hybrid SPLSR calculation for antenna (0+2) 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 0+WWAN_Ant 2	1.465	5.6	-45.9	-207.0	96.9	1.892	0.03	Not required
WLAN5/6GHz Ant 3+4	0.427	-56.9	28.2	-207.0				

<Case 51>

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

	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
	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	
	0.457	0.267	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
2	0.479	0.267	1.551	1.259	1.194	1.145	1.460	1.341	1.239	1.281	1.148	1.185	1.374	1.376	1.322	1.491	1.246	1.294	1.241	1.262	1.445	1.400	1.117	1.432	1.103	1.275
2	0.433	0.267	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	1.386	1.057	1.229
2	0.508	0.267	1.580	1.288	1.223	1.174	1.489	1.370	1.268	1.310	1.177	1.214	1.403	1.405	1.351	1.520	1.275	1.323	1.270	1.291	1.474	1.429	1.146	1.461	1.132	1.304
2	0.286	0.267	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
2	0.299	0.267	1.371	1.079	1.014	0.965	1.280	1.161	1.059	1.101	0.968	1.005	1.194	1.196	1.142	1.311	1.066	1.114	1.061	1.082	1.265	1.220	0.937	1.252	0.923	1.095
2	0.265	0.267	1.337	1.045	0.980	0.931	1.246	1.127	1.025	1.067	0.934	0.971	1.160	1.162	1.108	1.277	1.032	1.080	1.027	1.048	1.231	1.186	0.903	1.218	0.889	1.061
2	0.384	0.267	1.456	1.164	1.099	1.050	1.365	1.246	1.144	1.186	1.053	1.090	1.279	1.281	1.227	1.396	1.151	1.199	1.146	1.167	1.350	1.305	1.022	1.337	1.008	1.180
	0.548	0.267	1.620	1.328	1.263	1.214	1.529	1.410	1.308	1.350	1.217	1.254	1.443	1.445	1.391	1.560	1.315	1.363	1.310	1.331	1.514	1.469	1.186	1.501	1.172	1.344
	0.502	0.267	1.574	1.282	1.217	1.168	1.483	1.364	1.262	1.304	1.171	1.208	1.397	1.399	1.345	1.514	1.269	1.317	1.264	1.285	1.468	1.423	1.140	1.455	1.126	1.298
	0.357	0.267	1.429	1.137	1.072	1.023	1.338	1.219	1.117	1.159	1.026	1.063	1.252	1.254	1.200	1.369	1.124	1.172	1.119	1.140	1.323	1.278	0.995	1.310	0.981	1.153
	0.357	0.267	1.429	1.137	1.072	1.023	1.338	1.219	1.117	1.159	1.026	1.063	1.252	1.254	1.200	1.369	1.124	1.172	1.119	1.140	1.323	1.278	0.995	1.310	0.981	1.153
	0.436	0.267	1.508	1.216	1.151	1.102	1.417	1.298	1.196	1.238	1.105	1.142	1.331	1.333	1.279	1.448	1.203	1.251	1.198	1.219	1.402	1.357	1.074	1.389	1.060	1.232
	0.409	0.267	1.481	1.189	1.124	1.075	1.390	1.271	1.169	1.211	1.078	1.115	1.304	1.306	1.252	1.421	1.176	1.224	1.171	1.192	1.375	1.330	1.047	1.362	1.033	1.205

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+WWAN_Ant 2	1.353	-19.9	-75.4	-207.0	157.2	1.620	0.01	Not required
WLAN2.4GHz_Ant 4	0.267	-43.5	80.0	-207.0				



<Case 52>

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	0.265	1.527	1.235	1.170	1.121	1.436	1.317	1.215	1.257	1.124	1.161	1.350	1.352	1.298	1.467	1.222	1.270	1.217	1.238	1.421	1.376	1.093	1.408	1.079	1.251
WCDMA II_Ant 2	0.479	0.265	1.549	1.257	1.192	1.143	1.458	1.339	1.237	1.279	1.146	1.183	1.372	1.374	1.320	1.489	1.244	1.292	1.239	1.260	1.443	1.398	1.115	1.430	1.101	1.273
WCDMA IV_Ant 2	0.433	0.265	1.503	1.211	1.146	1.097	1.412	1.293	1.191	1.233	1.100	1.137	1.326	1.328	1.274	1.443	1.198	1.246	1.193	1.214	1.397	1.352	1.069	1.384	1.055	1.227
LTE Band 7_Ant 2	0.508	0.265	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 25_Ant 2	0.286	0.265	1.356	1.064	0.999	0.950	1.265	1.146	1.044	1.086	0.953	0.990	1.179	1.181	1.127	1.296	1.051	1.099	1.046	1.067	1.250	1.205	0.922	1.237	0.908	1.080
LTE Band 30_Ant 2	0.299	0.265	1.369	1.077	1.012	0.963	1.278	1.159	1.057	1.099	0.966	1.003	1.192	1.194	1.140	1.309	1.064	1.112	1.059	1.080	1.263	1.218	0.935	1.250	0.921	1.093
LTE Band 41_Ant 2	0.265	0.265	1.335	1.043	0.978	0.929	1.244	1.125	1.023	1.065	0.932	0.969	1.158	1.160	1.106	1.275	1.030	1.078	1.025	1.046	1.229	1.184	0.901	1.216	0.887	1.059
LTE Band 66_Ant 2	0.384	0.265	1.454	1.162	1.097	1.048	1.363	1.244	1.142	1.184	1.051	1.088	1.277	1.279	1.225	1.394	1.149	1.197	1.144	1.165	1.348	1.303	1.020	1.335	1.006	1.178
FR1 n7_Ant 2	0.548	0.265	1.618	1.326	1.261	1.212	1.527	1.408	1.306	1.348	1.215	1.252	1.441	1.443	1.389	1.558	1.313	1.361	1.308	1.329	1.512	1.467	1.184	1.499	1.170	1.342
FR1 n25_Ant 2	0.502	0.265	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
FR1 n30_Ant 2	0.357	0.265	1.427	1.135	1.070	1.021	1.336	1.217	1.115	1.157	1.024	1.061	1.250	1.252	1.198	1.367	1.122	1.170	1.117	1.138	1.321	1.276	0.993	1.308	0.979	1.151
FR1 n41_Ant 2	0.357	0.265	1.427	1.135	1.070	1.021	1.336	1.217	1.115	1.157	1.024	1.061	1.250	1.252	1.198	1.367	1.122	1.170	1.117	1.138	1.321	1.276	0.993	1.308	0.979	1.151
FR1 n66_Ant 2	0.436	0.265	1.506	1.214	1.149	1.100	1.415	1.296	1.194	1.236	1.103	1.140	1.329	1.331	1.277	1.446	1.201	1.249	1.196	1.217	1.400	1.355	1.072	1.387	1.058	1.230
FR1 n70_Ant 2	0.409	0.265	1.479	1.187	1.122	1.073	1.388	1.269	1.167	1.209	1.076	1.113	1.302	1.304	1.250	1.419	1.174	1.222	1.169	1.190	1.373	1.328	1.045	1.360	1.031	1.203

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+WWAN_Ant 2	1.353	-19.9	-75.4	-207.0	104.7	1.618	0.02	Not required
WLAN2.4GHz_Ant 3+4	0.265	13.0	24.0	-207.0				

<Case 53>

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

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
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	0.557	1.819	1.527	1.462	1.413	1.728	1.609	1.507	1.549	1.416	1.453	1.642	1.644	1.590	1.759	1.514	1.562	1.509	1.530	1.713	1.668	1.385	1.700	1.371	1.543
WCDMA II_Ant 2	0.479	0.557	1.841	1.549	1.484	1.435	1.750	1.631	1.529	1.571	1.438	1.475	1.664	1.666	1.612	1.781	1.536	1.584	1.531	1.552	1.735	1.690	1.407	1.722	1.393	1.565
WCDMA IV_Ant 2	0.433	0.557	1.795	1.503	1.438	1.389	1.704	1.585	1.483	1.525	1.392	1.429	1.618	1.620	1.566	1.735	1.490	1.538	1.485	1.506	1.689	1.644	1.361	1.676	1.347	1.519
LTE Band 7_Ant 2	0.508	0.557	1.870	1.578	1.513	1.464	1.779	1.660	1.558	1.600	1.467	1.504	1.693	1.695	1.641	1.810	1.565	1.613	1.560	1.581	1.764	1.719	1.436	1.751	1.422	1.594
LTE Band 25_Ant 2	0.286	0.557	1.648	1.356	1.291	1.242	1.557	1.438	1.336	1.378	1.245	1.282	1.471	1.473	1.419	1.588	1.343	1.391	1.338	1.359	1.542	1.497	1.214	1.529	1.200	1.372
LTE Band 30_Ant 2	0.299	0.557	1.661	1.369	1.304	1.255	1.570	1.451	1.349	1.391	1.258	1.295	1.484	1.486	1.432	1.601	1.356	1.404	1.351	1.372	1.555	1.510	1.227	1.542	1.213	1.385
LTE Band 41_Ant 2	0.265	0.557	1.627	1.335	1.270	1.221	1.536	1.417	1.315	1.357	1.224	1.261	1.450	1.452	1.398	1.567	1.322	1.370	1.317	1.338	1.521	1.476	1.193	1.508	1.179	1.351
LTE Band 66_Ant 2	0.384	0.557	1.746	1.454	1.389	1.340	1.655	1.536	1.434	1.476	1.343	1.380	1.569	1.571	1.517	1.686	1.441	1.489	1.436	1.457	1.640	1.595	1.312	1.627	1.298	1.470
FR1 n7_Ant 2	0.548	0.557	1.910	1.618	1.553	1.504	1.819	1.700	1.598	1.640	1.507	1.544	1.733	1.735	1.681	1.850	1.605	1.653	1.600	1.621	1.804	1.759	1.476	1.791	1.462	1.634
FR1 n25_Ant 2	0.502	0.557	1.864	1.572	1.507	1.458	1.773	1.654	1.552	1.594	1.461	1.498	1.687	1.689	1.635	1.804	1.559	1.607	1.554	1.575	1.758	1.713	1.430	1.745	1.416	1.588
FR1 n30_Ant 2	0.357	0.557	1.719	1.427	1.362	1.313	1.628	1.509	1.407	1.449	1.316	1.353	1.542	1.544	1.490	1.659	1.414	1.462	1.409	1.430	1.613	1.568	1.285	1.600	1.271	1.443
FR1 n41_Ant 2	0.357	0.557	1.719	1.427	1.362	1.313	1.628	1.509	1.407	1.449	1.316	1.353	1.542	1.544	1.490	1.659	1.414	1.462	1.409	1.430	1.613	1.568	1.285	1.600	1.271	1.443
FR1 n66_Ant 2	0.436	0.557	1.798	1.506	1.441	1.392	1.707	1.588	1.486	1.528	1.395	1.432	1.621	1.623	1.569	1.738	1.493	1.541	1.488	1.509	1.692	1.647	1.364	1.679	1.350	1.522
FR1 n70_Ant 2	0.409	0.557	1.771	1.479	1.414	1.365	1.680	1.561	1.459	1.501	1.368	1.405	1.594	1.596	1.542	1.711	1.466	1.514	1.461	1.482	1.665	1.620	1.337	1.652	1.323	1.495

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+WWAN_Ant 2	1.353	-55.0	-42.0	-204.0	104.7	1.910	0.03	Not required
WLAN5/6GHz_Ant 3+4	0.557	17.3	33.7	-207.0				

<Case 54>

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	98.8	1.650	0.02	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4	0.804	-64.0	22.0	-207.0				

<Case 55>

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 5+WLAN5GHz_Ant 3+4	1.019	-64.4	24.1	-207.0	108.7	1.824	0.02	Not required
WWAN_Ant 0	0.805	-22.9	-76.4	-207.0				

<Case 56>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)		0.418	0.507	0.481
GSM850_Ant 0	0.810	0.419	1.647	1.736	1.710
GSM1900_Ant 0	0.622	0.419	1.459	1.548	1.522
WCDMA II_Ant 0	0.655	0.419	1.492	1.581	1.555
WCDMA IV_Ant 0	0.444	0.419	1.281	1.370	1.344
WCDMA V_Ant 0	0.599	0.419	1.436	1.525	1.499
LTE Band 7_Ant 0	0.796	0.419	1.633	1.722	1.696
LTE Band 12_Ant 0	0.446	0.419	1.283	1.372	1.346
LTE Band 13_Ant 0	0.493	0.419	1.330	1.419	1.393
LTE Band 14_Ant 0	0.453	0.419	1.290	1.379	1.353
LTE Band 25_Ant 0	0.519	0.419	1.356	1.445	1.419
LTE Band 26_Ant 0	0.627	0.419	1.464	1.553	1.527
LTE Band 30_Ant 0	0.846	0.419	1.683	1.772	1.746
LTE Band 41_Ant 0	0.389	0.419	1.226	1.315	1.289
LTE Band 66_Ant 0	0.787	0.419	1.624	1.713	1.687
LTE Band 71_Ant 0	0.427	0.419	1.264	1.353	1.327
FR1 n7_Ant 0	0.840	0.419	1.677	1.766	1.740
FR1 n12_Ant 0	0.493	0.419	1.330	1.419	1.393
FR1 n25_Ant 0	0.631	0.419	1.468	1.557	1.531
FR1 n26_Ant 0	0.743	0.419	1.580	1.669	1.643
FR1 n30_Ant 0	0.832	0.419	1.669	1.758	1.732
FR1 n41_Ant 0	0.664	0.419	1.501	1.590	1.564
FR1 n66_Ant 0	0.827	0.419	1.664	1.753	1.727
FR1 n70_Ant 0	0.450	0.419	1.287	1.376	1.350
FR1 n71_Ant 0	0.500	0.419	1.337	1.426	1.400

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+WWAN_Ant 7	1.353	2.0	-57.0	-207.0	139.7	1.772	0.02	Not required
WLAN2.4GHz Ant 4	0.419	-5.5	82.5	-207.0				

<Case 57>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)		0.418	0.507	0.481
GSM850_Ant 0	0.810	0.393	1.621	1.710	1.684
GSM1900_Ant 0	0.622	0.393	1.433	1.522	1.496
WCDMA II_Ant 0	0.655	0.393	1.466	1.555	1.529
WCDMA IV_Ant 0	0.444	0.393	1.255	1.344	1.318
WCDMA V_Ant 0	0.599	0.393	1.410	1.499	1.473
LTE Band 7_Ant 0	0.796	0.393	1.607	1.696	1.670
LTE Band 12_Ant 0	0.446	0.393	1.257	1.346	1.320
LTE Band 13_Ant 0	0.493	0.393	1.304	1.393	1.367
LTE Band 14_Ant 0	0.453	0.393	1.264	1.353	1.327
LTE Band 25_Ant 0	0.519	0.393	1.330	1.419	1.393
LTE Band 26_Ant 0	0.627	0.393	1.438	1.527	1.501
LTE Band 30_Ant 0	0.846	0.393	1.657	1.746	1.720
LTE Band 41_Ant 0	0.389	0.393	1.200	1.289	1.263
LTE Band 66_Ant 0	0.787	0.393	1.598	1.687	1.661
LTE Band 71_Ant 0	0.427	0.393	1.238	1.327	1.301
FR1 n7_Ant 0	0.840	0.393	1.651	1.740	1.714
FR1 n12_Ant 0	0.493	0.393	1.304	1.393	1.367
FR1 n25_Ant 0	0.631	0.393	1.442	1.531	1.505
FR1 n26_Ant 0	0.743	0.393	1.554	1.643	1.617
FR1 n30_Ant 0	0.832	0.393	1.643	1.732	1.706
FR1 n41_Ant 0	0.664	0.393	1.475	1.564	1.538
FR1 n66_Ant 0	0.827	0.393	1.638	1.727	1.701
FR1 n70_Ant 0	0.450	0.393	1.261	1.350	1.324
FR1 n71_Ant 0	0.500	0.393	1.311	1.400	1.374

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+WWAN_Ant 7	1.353	-43.0	-74.5	-207.0	98.8	1.746	0.02	Not required
WLAN2.4GHz Ant 3+4	0.393	-64.0	22.0	-207.0				

<Case 58>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)		0.418	0.507	0.481
GSM850_Ant 0	0.810	0.427	1.655	1.744	1.718
GSM1900_Ant 0	0.622	0.427	1.467	1.556	1.530
WCDMA II_Ant 0	0.655	0.427	1.500	1.589	1.563
WCDMA IV_Ant 0	0.444	0.427	1.289	1.378	1.352
WCDMA V_Ant 0	0.599	0.427	1.444	1.533	1.507
LTE Band 7_Ant 0	0.796	0.427	1.641	1.730	1.704
LTE Band 12_Ant 0	0.446	0.427	1.291	1.380	1.354
LTE Band 13_Ant 0	0.493	0.427	1.338	1.427	1.401
LTE Band 14_Ant 0	0.453	0.427	1.298	1.387	1.361
LTE Band 25_Ant 0	0.519	0.427	1.364	1.453	1.427
LTE Band 26_Ant 0	0.627	0.427	1.472	1.561	1.535
LTE Band 30_Ant 0	0.846	0.427	1.691	1.780	1.754
LTE Band 41_Ant 0	0.389	0.427	1.234	1.323	1.297
LTE Band 66_Ant 0	0.787	0.427	1.632	1.721	1.695
LTE Band 71_Ant 0	0.427	0.427	1.272	1.361	1.335
FR1 n7_Ant 0	0.840	0.427	1.685	1.774	1.748
FR1 n12_Ant 0	0.493	0.427	1.338	1.427	1.401
FR1 n25_Ant 0	0.631	0.427	1.476	1.565	1.539
FR1 n26_Ant 0	0.743	0.427	1.588	1.677	1.651
FR1 n30_Ant 0	0.832	0.427	1.677	1.766	1.740
FR1 n41_Ant 0	0.664	0.427	1.509	1.598	1.572
FR1 n66_Ant 0	0.827	0.427	1.672	1.761	1.735
FR1 n70_Ant 0	0.450	0.427	1.295	1.384	1.358
FR1 n71_Ant 0	0.500	0.427	1.345	1.434	1.408

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+WWAN_Ant 7	1.353	-43.5	-74.0	-207.0	103.1	1.780	0.02	Not required
WLAN5/6GHz Ant 3+4	0.427	-56.9	28.2	-207.0				

<Case 59>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.309	0.390	0.361
GSM850_Ant 0	0.805	0.557	1.671	1.752	1.723
GSM1900_Ant 0	0.513	0.557	1.379	1.460	1.431
WCDMA II_Ant 0	0.448	0.557	1.314	1.395	1.366
WCDMA IV_Ant 0	0.399	0.557	1.265	1.346	1.317
WCDMA V_Ant 0	0.714	0.557	1.580	1.661	1.632
LTE Band 7_Ant 0	0.595	0.557	1.461	1.542	1.513
LTE Band 12_Ant 0	0.493	0.557	1.359	1.440	1.411
LTE Band 13_Ant 0	0.535	0.557	1.401	1.482	1.453
LTE Band 14_Ant 0	0.402	0.557	1.268	1.349	1.320
LTE Band 25_Ant 0	0.439	0.557	1.305	1.386	1.357
LTE Band 26_Ant 0	0.628	0.557	1.494	1.575	1.546
LTE Band 30_Ant 0	0.630	0.557	1.496	1.577	1.548
LTE Band 41_Ant 0	0.576	0.557	1.442	1.523	1.494
LTE Band 66_Ant 0	0.745	0.557	1.611	1.692	1.663
LTE Band 71_Ant 0	0.500	0.557	1.366	1.447	1.418
FR1 n7_Ant 0	0.548	0.557	1.414	1.495	1.466
FR1 n12_Ant 0	0.495	0.557	1.361	1.442	1.413
FR1 n25_Ant 0	0.516	0.557	1.382	1.463	1.434
FR1 n26_Ant 0	0.699	0.557	1.565	1.646	1.617
FR1 n30_Ant 0	0.654	0.557	1.520	1.601	1.572
FR1 n41_Ant 0	0.371	0.557	1.237	1.318	1.289
FR1 n66_Ant 0	0.686	0.557	1.552	1.633	1.604
FR1 n70_Ant 0	0.357	0.557	1.223	1.304	1.275
FR1 n71_Ant 0	0.529	0.557	1.395	1.476	1.447

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	110.3	1.752	0.02	Not required
WLAN5/6GHz Ant 3+4	0.557	17.3	33.7	-207.0				

<Case 60>

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	0.548	-52.5	-48.5	-207.0	107.8	1.701	0.02	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4	1.153	17.3	33.7	-207.0				

<Case 61>

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	56.8	1.708	0.04	Not required
WWAN_Ant 2+WLAN5/6GHz Ant 3+4	1.046	9.5	-47.5	-207.0				

<Case 62>

Hybrid SPLSR calculation for antenna 7 and antenna (6+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	0.507	5.0	-77.5	-207.0	54.1	1.596	0.04	Not required
WWAN_Ant 6 + WLAN5/6GHz Ant 3+4	1.089	-46.0	-59.5	-207.0				

<Case 63>

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	94.6	1.818	0.03	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.972	-63.0	18.0	-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	0.805	-12.5	-72.5	-207.0	97.8	2.090	0.03	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.285	12.5	22.0	-207.0				



<Case 65>

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	0.071	0.295	1.480	1.292	1.325	1.114	1.269	1.466	1.116	1.163	1.123	1.189	1.297	1.516	1.059	1.457	1.097	1.510	1.163	1.301	1.413	1.502	1.334	1.497	1.120	1.170
WCDMA II_Ant 2	0.353	0.071	0.295	1.529	1.341	1.374	1.163	1.318	1.515	1.165	1.212	1.172	1.238	1.346	1.565	1.108	1.506	1.146	1.559	1.212	1.350	1.462	1.551	1.383	1.546	1.169	1.219
WCDMA IV_Ant 2	0.325	0.071	0.295	1.501	1.313	1.346	1.135	1.290	1.487	1.137	1.184	1.144	1.210	1.318	1.537	1.080	1.478	1.118	1.531	1.184	1.322	1.434	1.523	1.355	1.518	1.141	1.191
LTE Band 7_Ant 2	0.552	0.071	0.295	1.728	1.540	1.573	1.362	1.517	1.714	1.364	1.411	1.371	1.437	1.545	1.764	1.307	1.705	1.345	1.758	1.411	1.549	1.661	1.750	1.582	1.745	1.368	1.418
LTE Band 25_Ant 2	0.265	0.071	0.295	1.441	1.253	1.286	1.075	1.230	1.427	1.077	1.124	1.084	1.150	1.258	1.477	1.020	1.418	1.058	1.471	1.124	1.262	1.374	1.463	1.295	1.458	1.081	1.131
LTE Band 30_Ant 2	0.368	0.071	0.295	1.544	1.356	1.389	1.178	1.333	1.530	1.180	1.227	1.187	1.253	1.361	1.580	1.123	1.521	1.161	1.574	1.227	1.365	1.477	1.566	1.398	1.561	1.184	1.234
LTE Band 41_Ant 2	0.619	0.071	0.295	1.795	1.607	1.640	1.429	1.584	1.781	1.431	1.478	1.438	1.504	1.612	1.831	1.374	1.772	1.412	1.825	1.478	1.616	1.728	1.817	1.649	1.812	1.435	1.485
LTE Band 66_Ant 2	0.352	0.071	0.295	1.528	1.340	1.373	1.162	1.317	1.514	1.164	1.211	1.171	1.237	1.345	1.564	1.107	1.505	1.145	1.558	1.211	1.349	1.461	1.550	1.382	1.545	1.168	1.218
FR1 n7_Ant 2	0.466	0.071	0.295	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 n25_Ant 2	0.330	0.071	0.295	1.506	1.318	1.351	1.140	1.295	1.492	1.142	1.189	1.149	1.215	1.323	1.542	1.085	1.483	1.123	1.536	1.189	1.327	1.439	1.528	1.360	1.523	1.146	1.196
FR1 n30_Ant 2	0.318	0.071	0.295	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
FR1 n41_Ant 2	0.419	0.071	0.295	1.595	1.407	1.440	1.229	1.384	1.581	1.231	1.278	1.238	1.304	1.412	1.631	1.174	1.572	1.212	1.625	1.278	1.416	1.528	1.617	1.449	1.612	1.235	1.285
FR1 n66_Ant 2	0.312	0.071	0.295	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 n70_Ant 2	0.296	0.071	0.295	1.472	1.284	1.317	1.106	1.261	1.458	1.108	1.155	1.115	1.181	1.289	1.508	1.051	1.449	1.089	1.502	1.155	1.293	1.405	1.494	1.326	1.489	1.112	1.162

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+WWAN_Ant 2	1.465	-43.5	-74.0	-207.0	94.0	1.831	0.03	Not required
WLAN2.4GHz Ant 3+WLAN5/6GHz Ant 3+4	0.366	-63.0	18.0	-207.0				

<Case 66>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	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	0.207	0.295	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
WCDMA II_Ant 2	0.353	0.207	0.295	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
WCDMA IV_Ant 2	0.325	0.207	0.295	1.637	1.449	1.482	1.271	1.426	1.623	1.273	1.320	1.280	1.346	1.454	1.673	1.216	1.614	1.254	1.667	1.320	1.458	1.570	1.659	1.491	1.654	1.277	1.327
LTE Band 7_Ant 2	0.552	0.207	0.295	1.864	1.676	1.709	1.498	1.653	1.850	1.500	1.547	1.507	1.573	1.681	1.900	1.443	1.841	1.481	1.894	1.547	1.685	1.797	1.886	1.718	1.881	1.504	1.554
LTE Band 25_Ant 2	0.265	0.207	0.295	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
LTE Band 30_Ant 2	0.368	0.207	0.295	1.680	1.492	1.525	1.314	1.469	1.666	1.316	1.363	1.323	1.389	1.497	1.716	1.259	1.657	1.297	1.710	1.363	1.501	1.613	1.702	1.534	1.697	1.320	1.370
LTE Band 41_Ant 2	0.619	0.207	0.295	1.931	1.743	1.776	1.565	1.720	1.917	1.567	1.614	1.574	1.640	1.748	1.967	1.510	1.908	1.548	1.961	1.614	1.752	1.864	1.953	1.785	1.948	1.571	1.621
LTE Band 66_Ant 2	0.352	0.207	0.295	1.664	1.476	1.509	1.298	1.453	1.650	1.300	1.347	1.307	1.373	1.481	1.700	1.243	1.641	1.281	1.694	1.347	1.485	1.597	1.686	1.518	1.681	1.304	1.354
FR1 n7_Ant 2	0.466	0.207	0.295	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
FR1 n25_Ant 2	0.330	0.207	0.295	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 n30_Ant 2	0.318	0.207	0.295	1.630	1.442	1.475	1.264	1.419	1.616	1.266	1.313	1.273	1.339	1.447	1.666	1.209	1.607	1.247	1.660	1.313	1.451	1.563	1.652	1.484	1.647	1.270	1.320
FR1 n41_Ant 2	0.419	0.207	0.295	1.731	1.543	1.576	1.365	1.520	1.717	1.367	1.414	1.374	1.440	1.548	1.767	1.310	1.708	1.348	1.761	1.414	1.552	1.664	1.753	1.585	1.748	1.371	1.421
FR1 n66_Ant 2	0.312	0.207	0.295	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 n70_Ant 2	0.296	0.207	0.295	1.608	1.420	1.453	1.242	1.397	1.594	1.244	1.291	1.251	1.317	1.425	1.644	1.187	1.585	1.225	1.638	1.291	1.429	1.541	1.630	1.462	1.625	1.248	1.298

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+WWAN_Ant 2	1.465	5.6	-45.9	-207.0	96.9	1.967	0.03	Not required
WLAN2.4GHz Ant 4+WLAN5/6GHz Ant 3+4	0.502	-56.9	28.2	-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	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	0.226	0.295	1.635	1.447	1.480	1.269	1.424	1.621	1.271	1.318	1.278	1.344	1.452	1.671	1.214	1.612	1.252	1.665	1.318	1.456	1.568	1.657	1.489	1.652	1.275	1.325
WCDMA II_Ant 2	0.353	0.226	0.295	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
WCDMA IV_Ant 2	0.325	0.226	0.295	1.656	1.468	1.501	1.290	1.445	1.642	1.292	1.339	1.299	1.365	1.473	1.692	1.235	1.633	1.273	1.686	1.339	1.477	1.589	1.678	1.510	1.673	1.296	1.346
LTE Band 7_Ant 2	0.552	0.226	0.295	1.883	1.695	1.728	1.517	1.672	1.869	1.519	1.566	1.526	1.592	1.700	1.919	1.462	1.860	1.500	1.913	1.566	1.704	1.816	1.905	1.737	1.900	1.523	1.573
LTE Band 25_Ant 2	0.265	0.226	0.295	1.596	1.408	1.441	1.230	1.385	1.582	1.232	1.279	1.239	1.305	1.413	1.632	1.175	1.573	1.213	1.626	1.279	1.417	1.529	1.618	1.450	1.613	1.236	1.286
LTE Band 30_Ant 2	0.368	0.226	0.295	1.699	1.511	1.544	1.333	1.488	1.685	1.335	1.382	1.342	1.408	1.516	1.735	1.278	1.676	1.316	1.729	1.382	1.520	1.632	1.721	1.553	1.716	1.339	1.389
LTE Band 41_Ant 2	0.619	0.226	0.295	1.950	1.762	1.795	1.584	1.739	1.936	1.586	1.633	1.593	1.659	1.767	1.986	1.529	1.927	1.567	1.980	1.633	1.771	1.883	1.972	1.804	1.967	1.590	1.640
LTE Band 66_Ant 2	0.352	0.226	0.295	1.683	1.495	1.528	1.317	1.472	1.669	1.319	1.366	1.326	1.392	1.500	1.719	1.262	1.660	1.300	1.713	1.366	1.504	1.616	1.705	1.537	1.700	1.323	1.373
FR1 n7_Ant 2	0.466	0.226	0.295	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
FR1 n25_Ant 2	0.330	0.226	0.295	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
FR1 n30_Ant 2	0.318	0.226	0.295	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 n41_Ant 2	0.419	0.226	0.295	1.750	1.562	1.595	1.384	1.539	1.736	1.386	1.433	1.393	1.459	1.567	1.786	1.329	1.727	1.367	1.780	1.433	1.571	1.683	1.772	1.604	1.767	1.390	1.440
FR1 n66_Ant 2	0.312	0.226	0.295	1.643	1.455	1.488	1.277	1.432	1.629	1.279	1.326	1.286	1.352	1.460	1.679	1.222	1.620	1.260	1.673	1.326	1.464	1.576	1.665	1.497	1.660	1.283	1.333
FR1 n70_Ant 2	0.296	0.226	0.295	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

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+WWAN_Ant 2	1.465	5.6	-45.9	-207.0	95.5	1.986	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.521	-63.5	20.0	-207.0				

<Case 68>

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
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	0.088	0.557	1.907	1.615	1.550	1.501	1.816	1.697	1.595	1.637	1.504	1.541	1.730	1.732	1.678	1.847	1.602	1.650	1.597	1.618	1.801	1.756	1.473	1.788	1.459	1.631
WCDMA II_Ant 2	0.479	0.088	0.557	1.929	1.637	1.572	1.523	1.838	1.719	1.617	1.659	1.526	1.563	1.752	1.754	1.700	1.869	1.624	1.672	1.619	1.640	1.823	1.778	1.495	1.810	1.481	1.653
WCDMA IV_Ant 2	0.433	0.088	0.557	1.883	1.591	1.526	1.477	1.792	1.673	1.571	1.613	1.480	1.517	1.706	1.708	1.654	1.823	1.578	1.626	1.573	1.594	1.777	1.732	1.449	1.764	1.435	1.607
LTE Band 7_Ant 2	0.508	0.088	0.557	1.958	1.666	1.601	1.552	1.867	1.748	1.646	1.688	1.555	1.592	1.781	1.783	1.729	1.898	1.653	1.701	1.648	1.669	1.852	1.807	1.524	1.839	1.510	1.682
LTE Band 25_Ant 2	0.286	0.088	0.557	1.736	1.444	1.379	1.330	1.645	1.526	1.424	1.466	1.333	1.370	1.559	1.561	1.507	1.676	1.431	1.479	1.426	1.447	1.630	1.585	1.302	1.617	1.288	1.460
LTE Band 30_Ant 2	0.299	0.088	0.557	1.749	1.457	1.392	1.343	1.658	1.539	1.437	1.479	1.346	1.383	1.572	1.574	1.520	1.689	1.444	1.492	1.439	1.460	1.643	1.598	1.315	1.630	1.301	1.473
LTE Band 41_Ant 2	0.265	0.088	0.557	1.715	1.423	1.358	1.309	1.624	1.505	1.403	1.445	1.312	1.349	1.538	1.540	1.486	1.655	1.410	1.458	1.405	1.426	1.609	1.564	1.281	1.596	1.267	1.439
LTE Band 66_Ant 2	0.384	0.088	0.557	1.834	1.542	1.477	1.428	1.743	1.624	1.522	1.564	1.431	1.468	1.657	1.659	1.605	1.774	1.529	1.577	1.524	1.545	1.728	1.683	1.400	1.715	1.386	1.558
FR1 n7_Ant 2	0.548	0.088	0.557	1.998	1.706	1.641	1.592	1.907	1.788	1.686	1.728	1.595	1.632	1.821	1.823	1.769	1.938	1.693	1.741	1.688	1.709	1.892	1.847	1.564	1.879	1.550	1.722
FR1 n25_Ant 2	0.502	0.088	0.557	1.952	1.660	1.595	1.546	1.861	1.742	1.640	1.682	1.549	1.586	1.775	1.777	1.723	1.892	1.647	1.695	1.642	1.663	1.846	1.801	1.518	1.833	1.504	1.676
FR1 n30_Ant 2	0.357	0.088	0.557	1.807	1.515	1.450	1.401	1.716	1.597	1.495	1.537	1.404	1.441	1.630	1.632	1.578	1.747	1.502	1.550	1.497	1.518	1.701	1.656	1.373	1.688	1.359	1.531
FR1 n41_Ant 2	0.357	0.088	0.557	1.807	1.515	1.450	1.401	1.716	1.597	1.495	1.537	1.404	1.441	1.630	1.632	1.578	1.747	1.502	1.550	1.497	1.518	1.701	1.656	1.373	1.688	1.359	1.531
FR1 n66_Ant 2	0.436	0.088	0.557	1.886	1.594	1.529	1.480	1.795	1.676	1.574	1.616	1.483	1.520	1.709	1.711	1.657	1.826	1.581	1.629	1.576	1.597	1.780	1.735	1.452	1.767	1.438	1.610
FR1 n70_Ant 2	0.409	0.088	0.557	1.859	1.567	1.502	1.453	1.768	1.649	1.547	1.589	1.456	1.493	1.682	1.684	1.630	1.799	1.554	1.602	1.549	1.570	1.753	1.708	1.425	1.740	1.411	1.583

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+WWAN_Ant 2	1.353	-55.0	-42.0	-204.0	95.5	1.998	0.03	Not required
WLAN2.4GHz_Ant 3+WLAN5/6GHz_Ant 3+4	0.645	14.0	24.0	-207.0				



FCC SAR TEST REPORT

Report No. :FA2D0208-07D

<Case 69>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	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
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	0.122	0.557	1.941	1.649	1.584	1.535	1.850	1.731	1.629	1.671	1.538	1.575	1.764	1.766	1.712	1.881	1.636	1.684	1.631	1.652	1.835	1.790	1.507	1.822	1.493	1.665
WCDMA II_Ant 2	0.479	0.122	0.557	1.963	1.671	1.606	1.557	1.872	1.753	1.651	1.693	1.560	1.597	1.786	1.788	1.734	1.903	1.658	1.706	1.653	1.674	1.857	1.812	1.529	1.844	1.515	1.687
WCDMA IV_Ant 2	0.433	0.122	0.557	1.917	1.625	1.560	1.511	1.826	1.707	1.605	1.647	1.514	1.551	1.740	1.742	1.688	1.857	1.612	1.660	1.607	1.628	1.811	1.766	1.483	1.798	1.469	1.641
LTE Band 7_Ant 2	0.508	0.122	0.557	1.992	1.700	1.635	1.586	1.901	1.782	1.680	1.722	1.589	1.626	1.815	1.817	1.763	1.932	1.687	1.735	1.682	1.703	1.886	1.841	1.558	1.873	1.544	1.716
LTE Band 25_Ant 2	0.286	0.122	0.557	1.770	1.478	1.413	1.364	1.679	1.560	1.458	1.500	1.367	1.404	1.593	1.595	1.541	1.710	1.465	1.513	1.460	1.481	1.664	1.619	1.336	1.651	1.322	1.494
LTE Band 30_Ant 2	0.299	0.122	0.557	1.783	1.491	1.426	1.377	1.692	1.573	1.471	1.513	1.380	1.417	1.606	1.608	1.554	1.723	1.478	1.526	1.473	1.494	1.677	1.632	1.349	1.664	1.335	1.507
LTE Band 41_Ant 2	0.265	0.122	0.557	1.749	1.457	1.392	1.343	1.658	1.539	1.437	1.479	1.346	1.383	1.572	1.574	1.520	1.689	1.444	1.492	1.439	1.460	1.643	1.598	1.315	1.630	1.301	1.473
LTE Band 66_Ant 2	0.384	0.122	0.557	1.868	1.576	1.511	1.462	1.777	1.658	1.556	1.598	1.465	1.502	1.691	1.693	1.639	1.808	1.563	1.611	1.558	1.579	1.762	1.717	1.434	1.749	1.420	1.592
FR1 n7_Ant 2	0.548	0.122	0.557	2.032	1.740	1.675	1.626	1.941	1.822	1.720	1.762	1.629	1.666	1.855	1.857	1.803	1.972	1.727	1.775	1.722	1.743	1.926	1.881	1.598	1.913	1.584	1.756
FR1 n25_Ant 2	0.502	0.122	0.557	1.986	1.694	1.629	1.580	1.895	1.776	1.674	1.716	1.583	1.620	1.809	1.811	1.757	1.926	1.681	1.729	1.676	1.697	1.880	1.835	1.552	1.867	1.538	1.710
FR1 n30_Ant 2	0.357	0.122	0.557	1.841	1.549	1.484	1.435	1.750	1.631	1.529	1.571	1.438	1.475	1.664	1.666	1.612	1.781	1.536	1.584	1.531	1.552	1.735	1.690	1.407	1.722	1.393	1.565
FR1 n41_Ant 2	0.357	0.122	0.557	1.841	1.549	1.484	1.435	1.750	1.631	1.529	1.571	1.438	1.475	1.664	1.666	1.612	1.781	1.536	1.584	1.531	1.552	1.735	1.690	1.407	1.722	1.393	1.565
FR1 n66_Ant 2	0.436	0.122	0.557	1.920	1.628	1.563	1.514	1.829	1.710	1.608	1.650	1.517	1.554	1.743	1.745	1.691	1.860	1.615	1.663	1.610	1.631	1.814	1.769	1.486	1.801	1.472	1.644
FR1 n70_Ant 2	0.409	0.122	0.557	1.893	1.601	1.536	1.487	1.802	1.683	1.581	1.623	1.490	1.527	1.716	1.718	1.664	1.833	1.588	1.636	1.583	1.604	1.787	1.742	1.459	1.774	1.445	1.617

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+WWAN_Ant 2	1.353	-55.0	-42.0	-204.0	101.1	2.032	0.03	Not required
WLAN2.4GHz_Ant 4+WLAN5/6GHz_Ant 3+4	0.679	10.8	34.7	-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	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
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	0.132	0.557	1.951	1.659	1.594	1.545	1.860	1.741	1.639	1.681	1.548	1.585	1.774	1.776	1.722	1.891	1.646	1.694	1.641	1.662	1.845	1.800	1.517	1.832	1.503	1.675
WCDMA II_Ant 2	0.479	0.132	0.557	1.973	1.681	1.616	1.567	1.882	1.763	1.661	1.703	1.570	1.607	1.796	1.798	1.744	1.913	1.668	1.716	1.663	1.684	1.867	1.822	1.539	1.854	1.525	1.697
WCDMA IV_Ant 2	0.433	0.132	0.557	1.927	1.635	1.570	1.521	1.836	1.717	1.615	1.657	1.524	1.561	1.750	1.752	1.698	1.867	1.622	1.670	1.617	1.638	1.821	1.776	1.493	1.808	1.479	1.651
LTE Band 7_Ant 2	0.508	0.132	0.557	2.002	1.710	1.645	1.596	1.911	1.792	1.690	1.732	1.599	1.636	1.825	1.827	1.773	1.942	1.697	1.745	1.692	1.713	1.896	1.851	1.568	1.883	1.554	1.726
LTE Band 25_Ant 2	0.286	0.132	0.557	1.780	1.488	1.423	1.374	1.689	1.570	1.468	1.510	1.377	1.414	1.603	1.605	1.551	1.720	1.475	1.523	1.470	1.491	1.674	1.629	1.346	1.661	1.332	1.504
LTE Band 30_Ant 2	0.299	0.132	0.557	1.793	1.501	1.436	1.387	1.702	1.583	1.481	1.523	1.390	1.427	1.616	1.618	1.564	1.733	1.488	1.536	1.483	1.504	1.687	1.642	1.359	1.674	1.345	1.517
LTE Band 41_Ant 2	0.265	0.132	0.557	1.759	1.467	1.402	1.353	1.668	1.549	1.447	1.489	1.356	1.393	1.582	1.584	1.530	1.699	1.454	1.502	1.449	1.470	1.653	1.608	1.325	1.640	1.311	1.483
LTE Band 66_Ant 2	0.384	0.132	0.557	1.878	1.586	1.521	1.472	1.787	1.668	1.566	1.608	1.475	1.512	1.701	1.703	1.649	1.818	1.573	1.621	1.568	1.589	1.772	1.727	1.444	1.759	1.430	1.602
FR1 n7_Ant 2	0.548	0.132	0.557	2.042	1.750	1.685	1.636	1.951	1.832	1.730	1.772	1.639	1.676	1.865	1.867	1.813	1.982	1.737	1.785	1.732	1.753	1.936	1.891	1.608	1.923	1.594	1.766
FR1 n25_Ant 2	0.502	0.132	0.557	1.996	1.704	1.639	1.590	1.905	1.786	1.684	1.726	1.593	1.630	1.819	1.821	1.767	1.936	1.691	1.739	1.686	1.707	1.890	1.845	1.562	1.877	1.548	1.720
FR1 n30_Ant 2	0.357	0.132	0.557	1.851	1.559	1.494	1.445	1.760	1.641	1.539	1.581	1.448	1.485	1.674	1.676	1.622	1.791	1.546	1.594	1.541	1.562	1.745	1.700	1.417	1.732	1.403	1.575
FR1 n41_Ant 2	0.357	0.132	0.557	1.851	1.559	1.494	1.445	1.760	1.641	1.539	1.581	1.448	1.485	1.674	1.676	1.622	1.791	1.546	1.594	1.541	1.562	1.745	1.700	1.417	1.732	1.403	1.575
FR1 n66_Ant 2	0.436	0.132	0.557	1.930	1.638	1.573	1.524	1.839	1.720	1.618	1.660	1.527	1.564	1.753	1.755	1.701	1.870	1.625	1.673	1.620	1.641	1.824	1.779	1.496	1.811	1.482	1.654
FR1 n70_Ant 2	0.409	0.132	0.557	1.903	1.611	1.546	1.497	1.812	1.693	1.591	1.633	1.500	1.537	1.726	1.728	1.674	1.843	1.598	1.646	1.593	1.614	1.797	1.752	1.469	1.784	1.455	1.627

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+WWAN_Ant 2	1.353	-12.5	-72.5	-207.0	97.8	2.042	0.03	Not required
WLAN2.4GHz_Ant 3+4+WLAN5/6GHz_Ant 3+4	0.689	12.5	22.0	-207.0				

<Case 71>

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	96.7	1.744	0.02	Not required
WWAN_Ant 5+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.898	-63.5	20.0	-207.0				

<Case 72>

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	-12.5	-72.5	-207.0	97.8	1.956	0.03	Not required
WWAN_Ant 5+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.151	12.5	22.0	-207.0				

<Case 73>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)			0.418	0.507	0.481
GSM850_Ant 0	0.810	0.071	0.295	1.594	1.683	1.657
GSM1900_Ant 0	0.622	0.071	0.295	1.406	1.495	1.469
WCDMA II_Ant 0	0.655	0.071	0.295	1.439	1.528	1.502
WCDMA IV_Ant 0	0.444	0.071	0.295	1.228	1.317	1.291
WCDMA V_Ant 0	0.599	0.071	0.295	1.383	1.472	1.446
LTE Band 7_Ant 0	0.796	0.071	0.295	1.580	1.669	1.643
LTE Band 12_Ant 0	0.446	0.071	0.295	1.230	1.319	1.293
LTE Band 13_Ant 0	0.493	0.071	0.295	1.277	1.366	1.340
LTE Band 14_Ant 0	0.453	0.071	0.295	1.237	1.326	1.300
LTE Band 25_Ant 0	0.519	0.071	0.295	1.303	1.392	1.366
LTE Band 26_Ant 0	0.627	0.071	0.295	1.411	1.500	1.474
LTE Band 30_Ant 0	0.846	0.071	0.295	1.630	1.719	1.693
LTE Band 41_Ant 0	0.389	0.071	0.295	1.173	1.262	1.236
LTE Band 66_Ant 0	0.787	0.071	0.295	1.571	1.660	1.634
LTE Band 71_Ant 0	0.427	0.071	0.295	1.211	1.300	1.274
FR1 n7_Ant 0	0.840	0.071	0.295	1.624	1.713	1.687
FR1 n12_Ant 0	0.493	0.071	0.295	1.277	1.366	1.340
FR1 n25_Ant 0	0.631	0.071	0.295	1.415	1.504	1.478
FR1 n26_Ant 0	0.743	0.071	0.295	1.527	1.616	1.590
FR1 n30_Ant 0	0.832	0.071	0.295	1.616	1.705	1.679
FR1 n41_Ant 0	0.664	0.071	0.295	1.448	1.537	1.511
FR1 n66_Ant 0	0.827	0.071	0.295	1.611	1.700	1.674
FR1 n70_Ant 0	0.450	0.071	0.295	1.234	1.323	1.297
FR1 n71_Ant 0	0.500	0.071	0.295	1.284	1.373	1.347

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+WWAN_Ant 7	1.353	-43.0	-74.5	-207.0	94.6	1.719	0.02	Not required
WLAN2.4GHz_Ant 3+WLAN5GHz_Ant 3+4	0.366	-63.0	18.0	-207.0				

<Case 74>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)			0.418	0.507	0.481
GSM850_Ant 0	0.810	0.207	0.295	1.730	1.819	1.793
GSM1900_Ant 0	0.622	0.207	0.295	1.542	1.631	1.605
WCDMA II_Ant 0	0.655	0.207	0.295	1.575	1.664	1.638
WCDMA IV_Ant 0	0.444	0.207	0.295	1.364	1.453	1.427
WCDMA V_Ant 0	0.599	0.207	0.295	1.519	1.608	1.582
LTE Band 7_Ant 0	0.796	0.207	0.295	1.716	1.805	1.779
LTE Band 12_Ant 0	0.446	0.207	0.295	1.366	1.455	1.429
LTE Band 13_Ant 0	0.493	0.207	0.295	1.413	1.502	1.476
LTE Band 14_Ant 0	0.453	0.207	0.295	1.373	1.462	1.436
LTE Band 25_Ant 0	0.519	0.207	0.295	1.439	1.528	1.502
LTE Band 26_Ant 0	0.627	0.207	0.295	1.547	1.636	1.610
LTE Band 30_Ant 0	0.846	0.207	0.295	1.766	1.855	1.829
LTE Band 41_Ant 0	0.389	0.207	0.295	1.309	1.398	1.372
LTE Band 66_Ant 0	0.787	0.207	0.295	1.707	1.796	1.770
LTE Band 71_Ant 0	0.427	0.207	0.295	1.347	1.436	1.410
FR1 n7_Ant 0	0.840	0.207	0.295	1.760	1.849	1.823
FR1 n12_Ant 0	0.493	0.207	0.295	1.413	1.502	1.476
FR1 n25_Ant 0	0.631	0.207	0.295	1.551	1.640	1.614
FR1 n26_Ant 0	0.743	0.207	0.295	1.663	1.752	1.726
FR1 n30_Ant 0	0.832	0.207	0.295	1.752	1.841	1.815
FR1 n41_Ant 0	0.664	0.207	0.295	1.584	1.673	1.647
FR1 n66_Ant 0	0.827	0.207	0.295	1.747	1.836	1.810
FR1 n70_Ant 0	0.450	0.207	0.295	1.370	1.459	1.433
FR1 n71_Ant 0	0.500	0.207	0.295	1.420	1.509	1.483

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+WWAN_Ant 7	1.353	-43.5	-74.0	-207.0	103.1	1.855	0.02	Not required
WLAN2.4GHz Ant 4+WLAN5GHz_Ant 3+4	0.502	-56.9	28.2	-207.0				

<Case 75>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)			0.418	0.507	0.481
GSM850_Ant 0	0.810	0.226	0.295	1.749	1.838	1.812
GSM1900_Ant 0	0.622	0.226	0.295	1.561	1.650	1.624
WCDMA II_Ant 0	0.655	0.226	0.295	1.594	1.683	1.657
WCDMA IV_Ant 0	0.444	0.226	0.295	1.383	1.472	1.446
WCDMA V_Ant 0	0.599	0.226	0.295	1.538	1.627	1.601
LTE Band 7_Ant 0	0.796	0.226	0.295	1.735	1.824	1.798
LTE Band 12_Ant 0	0.446	0.226	0.295	1.385	1.474	1.448
LTE Band 13_Ant 0	0.493	0.226	0.295	1.432	1.521	1.495
LTE Band 14_Ant 0	0.453	0.226	0.295	1.392	1.481	1.455
LTE Band 25_Ant 0	0.519	0.226	0.295	1.458	1.547	1.521
LTE Band 26_Ant 0	0.627	0.226	0.295	1.566	1.655	1.629
LTE Band 30_Ant 0	0.846	0.226	0.295	1.785	1.874	1.848
LTE Band 41_Ant 0	0.389	0.226	0.295	1.328	1.417	1.391
LTE Band 66_Ant 0	0.787	0.226	0.295	1.726	1.815	1.789
LTE Band 71_Ant 0	0.427	0.226	0.295	1.366	1.455	1.429
FR1 n7_Ant 0	0.840	0.226	0.295	1.779	1.868	1.842
FR1 n12_Ant 0	0.493	0.226	0.295	1.432	1.521	1.495
FR1 n25_Ant 0	0.631	0.226	0.295	1.570	1.659	1.633
FR1 n26_Ant 0	0.743	0.226	0.295	1.682	1.771	1.745
FR1 n30_Ant 0	0.832	0.226	0.295	1.771	1.860	1.834
FR1 n41_Ant 0	0.664	0.226	0.295	1.603	1.692	1.666
FR1 n66_Ant 0	0.827	0.226	0.295	1.766	1.855	1.829
FR1 n70_Ant 0	0.450	0.226	0.295	1.389	1.478	1.452
FR1 n71_Ant 0	0.500	0.226	0.295	1.439	1.528	1.502

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+WWAN_Ant 7	1.353	-43.5	-74.0	-207.0	96.1	1.874	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5GHz Ant 3+4	0.521	-63.5	20.0	-207.0				

<Case 76>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.309	0.390	0.361
GSM850_Ant 0	0.805	0.088	0.557	1.759	1.840	1.811
GSM1900_Ant 0	0.513	0.088	0.557	1.467	1.548	1.519
WCDMA II_Ant 0	0.448	0.088	0.557	1.402	1.483	1.454
WCDMA IV_Ant 0	0.399	0.088	0.557	1.353	1.434	1.405
WCDMA V_Ant 0	0.714	0.088	0.557	1.668	1.749	1.720
LTE Band 7_Ant 0	0.595	0.088	0.557	1.549	1.630	1.601
LTE Band 12_Ant 0	0.493	0.088	0.557	1.447	1.528	1.499
LTE Band 13_Ant 0	0.535	0.088	0.557	1.489	1.570	1.541
LTE Band 14_Ant 0	0.402	0.088	0.557	1.356	1.437	1.408
LTE Band 25_Ant 0	0.439	0.088	0.557	1.393	1.474	1.445
LTE Band 26_Ant 0	0.628	0.088	0.557	1.582	1.663	1.634
LTE Band 30_Ant 0	0.630	0.088	0.557	1.584	1.665	1.636
LTE Band 41_Ant 0	0.576	0.088	0.557	1.530	1.611	1.582
LTE Band 66_Ant 0	0.745	0.088	0.557	1.699	1.780	1.751
LTE Band 71_Ant 0	0.500	0.088	0.557	1.454	1.535	1.506
FR1 n7_Ant 0	0.548	0.088	0.557	1.502	1.583	1.554
FR1 n12_Ant 0	0.495	0.088	0.557	1.449	1.530	1.501
FR1 n25_Ant 0	0.516	0.088	0.557	1.470	1.551	1.522
FR1 n26_Ant 0	0.699	0.088	0.557	1.653	1.734	1.705
FR1 n30_Ant 0	0.654	0.088	0.557	1.608	1.689	1.660
FR1 n41_Ant 0	0.371	0.088	0.557	1.325	1.406	1.377
FR1 n66_Ant 0	0.686	0.088	0.557	1.640	1.721	1.692
FR1 n70_Ant 0	0.357	0.088	0.557	1.311	1.392	1.363
FR1 n71_Ant 0	0.529	0.088	0.557	1.483	1.564	1.535

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	100.1	1.840	0.02	Not required
WLAN2.4GHz Ant 3+WLAN5/6GHz Ant 3+4	0.645	14.0	24.0	-207.0				

<Case 77>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.309	0.390	0.361
GSM850_Ant 0	0.805	0.122	0.557	1.793	1.874	1.845
GSM1900_Ant 0	0.513	0.122	0.557	1.501	1.582	1.553
WCDMA II_Ant 0	0.448	0.122	0.557	1.436	1.517	1.488
WCDMA IV_Ant 0	0.399	0.122	0.557	1.387	1.468	1.439
WCDMA V_Ant 0	0.714	0.122	0.557	1.702	1.783	1.754
LTE Band 7_Ant 0	0.595	0.122	0.557	1.583	1.664	1.635
LTE Band 12_Ant 0	0.493	0.122	0.557	1.481	1.562	1.533
LTE Band 13_Ant 0	0.535	0.122	0.557	1.523	1.604	1.575
LTE Band 14_Ant 0	0.402	0.122	0.557	1.390	1.471	1.442
LTE Band 25_Ant 0	0.439	0.122	0.557	1.427	1.508	1.479
LTE Band 26_Ant 0	0.628	0.122	0.557	1.616	1.697	1.668
LTE Band 30_Ant 0	0.630	0.122	0.557	1.618	1.699	1.670
LTE Band 41_Ant 0	0.576	0.122	0.557	1.564	1.645	1.616
LTE Band 66_Ant 0	0.745	0.122	0.557	1.733	1.814	1.785
LTE Band 71_Ant 0	0.500	0.122	0.557	1.488	1.569	1.540
FR1 n7_Ant 0	0.548	0.122	0.557	1.536	1.617	1.588
FR1 n12_Ant 0	0.495	0.122	0.557	1.483	1.564	1.535
FR1 n25_Ant 0	0.516	0.122	0.557	1.504	1.585	1.556
FR1 n26_Ant 0	0.699	0.122	0.557	1.687	1.768	1.739
FR1 n30_Ant 0	0.654	0.122	0.557	1.642	1.723	1.694
FR1 n41_Ant 0	0.371	0.122	0.557	1.359	1.440	1.411
FR1 n66_Ant 0	0.686	0.122	0.557	1.674	1.755	1.726
FR1 n70_Ant 0	0.357	0.122	0.557	1.345	1.426	1.397
FR1 n71_Ant 0	0.529	0.122	0.557	1.517	1.598	1.569

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	109.7	1.874	0.02	Not required
WLAN2.4GHz Ant 4+WLAN5/6GHz Ant 3+4	0.679	10.8	34.7	-207.0				

<Case 78>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.309	0.390	0.361
GSM850_Ant 0	0.805	0.132	0.557	1.803	1.884	1.855
GSM1900_Ant 0	0.513	0.132	0.557	1.511	1.592	1.563
WCDMA II_Ant 0	0.448	0.132	0.557	1.446	1.527	1.498
WCDMA IV_Ant 0	0.399	0.132	0.557	1.397	1.478	1.449
WCDMA V_Ant 0	0.714	0.132	0.557	1.712	1.793	1.764
LTE Band 7_Ant 0	0.595	0.132	0.557	1.593	1.674	1.645
LTE Band 12_Ant 0	0.493	0.132	0.557	1.491	1.572	1.543
LTE Band 13_Ant 0	0.535	0.132	0.557	1.533	1.614	1.585
LTE Band 14_Ant 0	0.402	0.132	0.557	1.400	1.481	1.452
LTE Band 25_Ant 0	0.439	0.132	0.557	1.437	1.518	1.489
LTE Band 26_Ant 0	0.628	0.132	0.557	1.626	1.707	1.678
LTE Band 30_Ant 0	0.630	0.132	0.557	1.628	1.709	1.680
LTE Band 41_Ant 0	0.576	0.132	0.557	1.574	1.655	1.626
LTE Band 66_Ant 0	0.745	0.132	0.557	1.743	1.824	1.795
LTE Band 71_Ant 0	0.500	0.132	0.557	1.498	1.579	1.550
FR1 n7_Ant 0	0.548	0.132	0.557	1.546	1.627	1.598
FR1 n12_Ant 0	0.495	0.132	0.557	1.493	1.574	1.545
FR1 n25_Ant 0	0.516	0.132	0.557	1.514	1.595	1.566
FR1 n26_Ant 0	0.699	0.132	0.557	1.697	1.778	1.749
FR1 n30_Ant 0	0.654	0.132	0.557	1.652	1.733	1.704
FR1 n41_Ant 0	0.371	0.132	0.557	1.369	1.450	1.421
FR1 n66_Ant 0	0.686	0.132	0.557	1.684	1.765	1.736
FR1 n70_Ant 0	0.357	0.132	0.557	1.355	1.436	1.407
FR1 n71_Ant 0	0.529	0.132	0.557	1.527	1.608	1.579

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	97.8	1.884	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.689	12.5	22.0	-207.0				

<Case 79>

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	0.548	-54.0	-46.0	-207.0	95.1	1.833	0.03	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.285	12.5	22.0	-207.0				

<Case 80>

Hybrid SPLSR calculation for antenna 6 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 6	0.662	-46.0	-59.5	-207.0	81.4	1.634	0.03	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.972	-63.5	20.0	-207.0				

<Case 81>

Hybrid SPLSR calculation for antenna 6 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 6	0.409	9.0	-46.0	-207.0	68.1	1.694	0.03	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.285	12.5	22.0	-207.0				

<Case 82>

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	0.390	-59.0	-51.0	-207.0	102.2	1.675	0.02	Not required
WWAN_Ant 1+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.285	12.5	22.0	-207.0				

<Case 83>

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	0.548	-52.5	-48.5	-207.0	73.6	1.699	0.03	Not required
WWAN_Ant 5+WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	1.151	-64.4	24.1	-207.0				

<Case 84>

Hybrid SPLSR calculation for antenna (2+6)+(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	81.4	1.802	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.521	-63.5	20.0	-207.0				

<Case 85>

SAR summation (blue colored) for each band of antenna (2+6)+(3+4)

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.284	0.357	0.409
GSM1900_Ant 2	0.457	0.088	0.557	1.386	1.459	1.511
WCDMA II_Ant 2	0.479	0.088	0.557	1.408	1.481	1.533
WCDMA IV_Ant 2	0.433	0.088	0.557	1.362	1.435	1.487
LTE Band 7_Ant 2	0.508	0.088	0.557	1.437	1.510	1.562
LTE Band 25_Ant 2	0.286	0.088	0.557	1.215	1.288	1.340
LTE Band 30_Ant 2	0.299	0.088	0.557	1.228	1.301	1.353
LTE Band 41_Ant 2	0.265	0.088	0.557	1.194	1.267	1.319
LTE Band 66_Ant 2	0.384	0.088	0.557	1.313	1.386	1.438
FR1 n7_Ant 2	0.548	0.088	0.557	1.477	1.550	1.602
FR1 n25_Ant 2	0.502	0.088	0.557	1.431	1.504	1.556
FR1 n30_Ant 2	0.357	0.088	0.557	1.286	1.359	1.411
FR1 n41_Ant 2	0.357	0.088	0.557	1.286	1.359	1.411
FR1 n66_Ant 2	0.436	0.088	0.557	1.365	1.438	1.490
FR1 n70_Ant 2	0.409	0.088	0.557	1.338	1.411	1.463

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+WWAN_Ant 6	0.957	9.0	-46.0	-207.0	70.2	1.602	0.03	Not required
WLAN2.4GHz Ant 3+WLAN5/6GHz Ant 3+4	0.645	14.0	24.0	-207.0				

<Case 86>

SAR summation (blue colored) for each band of antenna (2+6)+(3+4)

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
Back	1g SAR (W/kg)			0.284	0.357	0.409
GSM1900_Ant 2	0.457	0.122	0.557	1.420	1.493	1.545
WCDMA II_Ant 2	0.479	0.122	0.557	1.442	1.515	1.567
WCDMA IV_Ant 2	0.433	0.122	0.557	1.396	1.469	1.521
LTE Band 7_Ant 2	0.508	0.122	0.557	1.471	1.544	1.596
LTE Band 25_Ant 2	0.286	0.122	0.557	1.249	1.322	1.374
LTE Band 30_Ant 2	0.299	0.122	0.557	1.262	1.335	1.387
LTE Band 41_Ant 2	0.265	0.122	0.557	1.228	1.301	1.353
LTE Band 66_Ant 2	0.384	0.122	0.557	1.347	1.420	1.472
FR1 n7_Ant 2	0.548	0.122	0.557	1.511	1.584	1.636
FR1 n25_Ant 2	0.502	0.122	0.557	1.465	1.538	1.590
FR1 n30_Ant 2	0.357	0.122	0.557	1.320	1.393	1.445
FR1 n41_Ant 2	0.357	0.122	0.557	1.320	1.393	1.445
FR1 n66_Ant 2	0.436	0.122	0.557	1.399	1.472	1.524
FR1 n70_Ant 2	0.409	0.122	0.557	1.372	1.445	1.497

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+WWAN_Ant 6	0.957	9.0	-46.0	-207.0	80.7	1.636	0.03	Not required
WLAN2.4GHz Ant 4+WLAN5/6GHz Ant 3+4	0.679	10.8	34.7	-207.0				

<Case 87>

SAR summation (blue colored) for each band of antenna (2+6)+(3+4)

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.284	0.357	0.409
GSM1900_Ant 2	0.457	0.132	0.557	1.430	1.503	1.555
WCDMA II_Ant 2	0.479	0.132	0.557	1.452	1.525	1.577
WCDMA IV_Ant 2	0.433	0.132	0.557	1.406	1.479	1.531
LTE Band 7_Ant 2	0.508	0.132	0.557	1.481	1.554	1.606
LTE Band 25_Ant 2	0.286	0.132	0.557	1.259	1.332	1.384
LTE Band 30_Ant 2	0.299	0.132	0.557	1.272	1.345	1.397
LTE Band 41_Ant 2	0.265	0.132	0.557	1.238	1.311	1.363
LTE Band 66_Ant 2	0.384	0.132	0.557	1.357	1.430	1.482
FR1 n7_Ant 2	0.548	0.132	0.557	1.521	1.594	1.646
FR1 n25_Ant 2	0.502	0.132	0.557	1.475	1.548	1.600
FR1 n30_Ant 2	0.357	0.132	0.557	1.330	1.403	1.455
FR1 n41_Ant 2	0.357	0.132	0.557	1.330	1.403	1.455
FR1 n66_Ant 2	0.436	0.132	0.557	1.409	1.482	1.534
FR1 n70_Ant 2	0.409	0.132	0.557	1.382	1.455	1.507

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+WWAN_Ant 6	0.957	9.0	-46.0	-207.0	68.1	1.646	0.03	Not required
WLAN2.4GHz Ant 3+4+WLAN5/6GHz Ant 3+4	0.689	12.5	22.0	-207.0				

<Case 88>

Hybrid SPLSR calculation for antenna (7+6)+(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	81.4	1.690	0.03	Not required
WLAN2.4GHz Ant 3+4 + WLAN5/6GHz Ant 3+4	0.521	-63.5	20.0	-207.0				

<Case 89>

Hybrid SPLSR calculation for antenna 0+(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	100.0	1.773	0.02	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4+ Bluetooth_Ant 4	0.927	-65.0	23.0	-207.0				

<Case 90>

Hybrid SPLSR calculation for antenna 0+(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	97.7	2.110	0.03	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4+ Bluetooth_Ant 4	1.305	10.5	22.5	-207.0				



<Case 91>

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	0.295	0.045	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
WCDMA II_Ant 2	0.353	0.295	0.045	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
WCDMA IV_Ant 2	0.325	0.295	0.045	1.475	1.287	1.320	1.109	1.264	1.461	1.111	1.158	1.118	1.184	1.292	1.511	1.054	1.452	1.092	1.505	1.158	1.296	1.408	1.497	1.329	1.492	1.115	1.165
LTE Band 7_Ant 2	0.552	0.295	0.045	1.702	1.514	1.547	1.336	1.491	1.688	1.338	1.385	1.345	1.411	1.519	1.738	1.281	1.679	1.319	1.732	1.385	1.523	1.635	1.724	1.556	1.719	1.342	1.392
LTE Band 25_Ant 2	0.265	0.295	0.045	1.415	1.227	1.260	1.049	1.204	1.401	1.051	1.098	1.058	1.124	1.232	1.451	0.994	1.392	1.032	1.445	1.098	1.236	1.348	1.437	1.269	1.432	1.055	1.105
LTE Band 30_Ant 2	0.368	0.295	0.045	1.518	1.330	1.363	1.152	1.307	1.504	1.154	1.201	1.161	1.227	1.335	1.554	1.097	1.495	1.135	1.548	1.201	1.339	1.451	1.540	1.372	1.535	1.158	1.208
LTE Band 41_Ant 2	0.619	0.295	0.045	1.769	1.581	1.614	1.403	1.558	1.755	1.405	1.452	1.412	1.478	1.586	1.805	1.348	1.746	1.386	1.799	1.452	1.590	1.702	1.791	1.623	1.786	1.409	1.459
LTE Band 66_Ant 2	0.352	0.295	0.045	1.502	1.314	1.347	1.136	1.291	1.488	1.138	1.185	1.145	1.211	1.319	1.538	1.081	1.479	1.119	1.532	1.185	1.323	1.435	1.524	1.356	1.519	1.142	1.192
FR1 n7_Ant 2	0.466	0.295	0.045	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 n25_Ant 2	0.330	0.295	0.045	1.480	1.292	1.325	1.114	1.269	1.466	1.116	1.163	1.123	1.189	1.297	1.516	1.059	1.457	1.097	1.510	1.163	1.301	1.413	1.502	1.334	1.497	1.120	1.170
FR1 n30_Ant 2	0.318	0.295	0.045	1.468	1.280	1.313	1.102	1.257	1.454	1.104	1.151	1.111	1.177	1.285	1.504	1.047	1.445	1.085	1.498	1.151	1.289	1.401	1.490	1.322	1.485	1.108	1.158
FR1 n41_Ant 2	0.419	0.295	0.045	1.569	1.381	1.414	1.203	1.358	1.555	1.205	1.252	1.212	1.278	1.386	1.605	1.148	1.546	1.186	1.599	1.252	1.390	1.502	1.591	1.423	1.586	1.209	1.259
FR1 n66_Ant 2	0.312	0.295	0.045	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
FR1 n70_Ant 2	0.296	0.295	0.045	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

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+WWAN_Ant 2	1.465	-43.5	-74.0	-207.0	99.4	1.805	0.02	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth_Ant 3	0.340	-65.0	23.0	-207.0				

<Case 92>

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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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	0.295	0.181	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+WWAN_Ant 2	1.465	5.6	-45.9	-207.0	96.9	1.941	0.03	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth_Ant 4	0.476	-56.9	28.2	-207.0				



FCC SAR TEST REPORT

Report No. :FA2D0208-07D

<Case 93>

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	0.295	0.176	1.585	1.397	1.430	1.219	1.374	1.571	1.221	1.268	1.228	1.294	1.402	1.621	1.164	1.562	1.202	1.615	1.268	1.406	1.518	1.607	1.439	1.602	1.225	1.275
WCDMA II_Ant 2	0.353	0.295	0.176	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
WCDMA IV_Ant 2	0.325	0.295	0.176	1.606	1.418	1.451	1.240	1.395	1.592	1.242	1.289	1.249	1.315	1.423	1.642	1.185	1.583	1.223	1.636	1.289	1.427	1.539	1.628	1.460	1.623	1.246	1.296
LTE Band 7_Ant 2	0.552	0.295	0.176	1.833	1.645	1.678	1.467	1.622	1.819	1.469	1.516	1.476	1.542	1.650	1.869	1.412	1.810	1.450	1.863	1.516	1.654	1.766	1.855	1.687	1.850	1.473	1.523
LTE Band 25_Ant 2	0.265	0.295	0.176	1.546	1.358	1.391	1.180	1.335	1.532	1.182	1.229	1.189	1.255	1.363	1.582	1.125	1.523	1.163	1.576	1.229	1.367	1.479	1.568	1.400	1.563	1.186	1.236
LTE Band 30_Ant 2	0.368	0.295	0.176	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
LTE Band 41_Ant 2	0.619	0.295	0.176	1.900	1.712	1.745	1.534	1.689	1.886	1.536	1.583	1.543	1.609	1.717	1.936	1.479	1.877	1.517	1.930	1.583	1.721	1.833	1.922	1.754	1.917	1.540	1.590
LTE Band 66_Ant 2	0.352	0.295	0.176	1.633	1.445	1.478	1.267	1.422	1.619	1.269	1.316	1.276	1.342	1.450	1.669	1.212	1.610	1.250	1.663	1.316	1.454	1.566	1.655	1.487	1.650	1.273	1.323
FR1 n7_Ant 2	0.466	0.295	0.176	1.747	1.559	1.592	1.381	1.536	1.733	1.383	1.430	1.390	1.456	1.564	1.783	1.326	1.724	1.364	1.777	1.430	1.568	1.680	1.769	1.601	1.764	1.387	1.437
FR1 n25_Ant 2	0.330	0.295	0.176	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
FR1 n30_Ant 2	0.318	0.295	0.176	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 n41_Ant 2	0.419	0.295	0.176	1.700	1.512	1.545	1.334	1.489	1.686	1.336	1.383	1.343	1.409	1.517	1.736	1.279	1.677	1.317	1.730	1.383	1.521	1.633	1.722	1.554	1.717	1.340	1.390
FR1 n66_Ant 2	0.312	0.295	0.176	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
FR1 n70_Ant 2	0.296	0.295	0.176	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

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+WWAN_Ant 2	1.465	5.6	-45.9	-207.0	96.9	1.936	0.03	Not required
WLAN5GHz_Ant 3+4+Bluetooth_Ant 3+4	0.471	-56.9	28.2	-207.0				

<Case 94>

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	0.557	0.084	1.903	1.611	1.546	1.497	1.812	1.693	1.591	1.633	1.500	1.537	1.726	1.728	1.674	1.843	1.598	1.646	1.593	1.614	1.797	1.752	1.469	1.784	1.455	1.627
WCDMA II_Ant 2	0.479	0.557	0.084	1.925	1.633	1.568	1.519	1.834	1.715	1.613	1.655	1.522	1.559	1.748	1.750	1.696	1.865	1.620	1.668	1.615	1.636	1.819	1.774	1.491	1.806	1.477	1.649
WCDMA IV_Ant 2	0.433	0.557	0.084	1.879	1.587	1.522	1.473	1.788	1.669	1.567	1.609	1.476	1.513	1.702	1.704	1.650	1.819	1.574	1.622	1.569	1.590	1.773	1.728	1.445	1.760	1.431	1.603
LTE Band 7_Ant 2	0.508	0.557	0.084	1.954	1.662	1.597	1.548	1.863	1.744	1.642	1.684	1.551	1.588	1.777	1.779	1.725	1.894	1.649	1.697	1.644	1.665	1.848	1.803	1.520	1.835	1.506	1.678
LTE Band 25_Ant 2	0.286	0.557	0.084	1.732	1.440	1.375	1.326	1.641	1.522	1.420	1.462	1.329	1.366	1.555	1.557	1.503	1.672	1.427	1.475	1.422	1.443	1.626	1.581	1.298	1.613	1.284	1.456
LTE Band 30_Ant 2	0.299	0.557	0.084	1.745	1.453	1.388	1.339	1.654	1.535	1.433	1.475	1.342	1.379	1.568	1.570	1.516	1.685	1.440	1.488	1.435	1.456	1.639	1.594	1.311	1.626	1.297	1.469
LTE Band 41_Ant 2	0.265	0.557	0.084	1.711	1.419	1.354	1.305	1.620	1.501	1.399	1.441	1.308	1.345	1.534	1.536	1.482	1.651	1.406	1.454	1.401	1.422	1.605	1.560	1.277	1.592	1.263	1.435
LTE Band 66_Ant 2	0.384	0.557	0.084	1.830	1.538	1.473	1.424	1.739	1.620	1.518	1.560	1.427	1.464	1.653	1.655	1.601	1.770	1.525	1.573	1.520	1.541	1.724	1.679	1.396	1.711	1.382	1.554
FR1 n7_Ant 2	0.548	0.557	0.084	1.994	1.702	1.637	1.588	1.903	1.784	1.682	1.724	1.591	1.628	1.817	1.819	1.765	1.934	1.689	1.737	1.684	1.705	1.888	1.843	1.560	1.875	1.546	1.718
FR1 n25_Ant 2	0.502	0.557	0.084	1.948	1.656	1.591	1.542	1.857	1.738	1.636	1.678	1.545	1.582	1.771	1.773	1.719	1.888	1.643	1.691	1.638	1.659	1.842	1.797	1.514	1.829	1.500	1.672
FR1 n30_Ant 2	0.357	0.557	0.084	1.803	1.511	1.446	1.397	1.712	1.593	1.491	1.533	1.400	1.437	1.626	1.628	1.574	1.743	1.498	1.546	1.493	1.514	1.697	1.652	1.369	1.684	1.355	1.527
FR1 n41_Ant 2	0.357	0.557	0.084	1.803	1.511	1.446	1.397	1.712	1.593	1.491	1.533	1.400	1.437	1.626	1.628	1.574	1.743	1.498	1.546	1.493	1.514	1.697	1.652	1.369	1.684	1.355	1.527
FR1 n66_Ant 2	0.436	0.557	0.084	1.882	1.590	1.525	1.476	1.791	1.672	1.570	1.612	1.479	1.516	1.705	1.707	1.653	1.822	1.577	1.625	1.572	1.593	1.776	1.731	1.448	1.763	1.434	1.606
FR1 n70_Ant 2	0.409	0.557	0.084	1.855	1.563	1.498	1.449	1.764	1.645	1.543	1.585	1.452	1.489	1.678	1.680	1.626	1.795	1.550	1.598	1.545	1.566	1.749	1.704	1.421	1.736	1.407	1.579

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+WWAN_Ant 2	1.353	-55.0	-42.0	-204.0	92.0	1.994	0.03	Not required
WLAN5/6GHz_Ant 3+4+ Bluetooth_Ant 3	0.641	10.5	22.5	-207.0				



FCC SAR TEST REPORT

Report No. :FA2D0208-07D

<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 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	0.557	0.152	1.971	1.679	1.614	1.565	1.880	1.761	1.659	1.701	1.568	1.605	1.794	1.796	1.742	1.911	1.666	1.714	1.661	1.682	1.865	1.820	1.537	1.852	1.523	1.695
WCDMA II_Ant 2	0.479	0.557	0.152	1.993	1.701	1.636	1.587	1.902	1.783	1.681	1.723	1.590	1.627	1.816	1.818	1.764	1.933	1.688	1.736	1.683	1.704	1.887	1.842	1.559	1.874	1.545	1.717
WCDMA IV_Ant 2	0.433	0.557	0.152	1.947	1.655	1.590	1.541	1.856	1.737	1.635	1.677	1.544	1.581	1.770	1.772	1.718	1.887	1.642	1.690	1.637	1.658	1.841	1.796	1.513	1.828	1.499	1.671
LTE Band 7_Ant 2	0.508	0.557	0.152	2.022	1.730	1.665	1.616	1.931	1.812	1.710	1.752	1.619	1.656	1.845	1.847	1.793	1.962	1.717	1.765	1.712	1.733	1.916	1.871	1.588	1.903	1.574	1.746
LTE Band 25_Ant 2	0.286	0.557	0.152	1.800	1.508	1.443	1.394	1.709	1.590	1.488	1.530	1.397	1.434	1.623	1.625	1.571	1.740	1.495	1.543	1.490	1.511	1.694	1.649	1.366	1.681	1.352	1.524
LTE Band 30_Ant 2	0.299	0.557	0.152	1.813	1.521	1.456	1.407	1.722	1.603	1.501	1.543	1.410	1.447	1.636	1.638	1.584	1.753	1.508	1.556	1.503	1.524	1.707	1.662	1.379	1.694	1.365	1.537
LTE Band 41_Ant 2	0.265	0.557	0.152	1.779	1.487	1.422	1.373	1.688	1.569	1.467	1.509	1.376	1.413	1.602	1.604	1.550	1.719	1.474	1.522	1.469	1.490	1.673	1.628	1.345	1.660	1.331	1.503
LTE Band 66_Ant 2	0.384	0.557	0.152	1.898	1.606	1.541	1.492	1.807	1.688	1.586	1.628	1.495	1.532	1.721	1.723	1.669	1.838	1.593	1.641	1.588	1.609	1.792	1.747	1.464	1.779	1.450	1.622
FR1 n7_Ant 2	0.548	0.557	0.152	2.062	1.770	1.705	1.656	1.971	1.852	1.750	1.792	1.659	1.696	1.885	1.887	1.833	2.002	1.757	1.805	1.752	1.773	1.956	1.911	1.628	1.943	1.614	1.786
FR1 n25_Ant 2	0.502	0.557	0.152	2.016	1.724	1.659	1.610	1.925	1.806	1.704	1.746	1.613	1.650	1.839	1.841	1.787	1.956	1.711	1.759	1.706	1.727	1.910	1.865	1.582	1.897	1.568	1.740
FR1 n30_Ant 2	0.357	0.557	0.152	1.871	1.579	1.514	1.465	1.780	1.661	1.559	1.601	1.468	1.505	1.694	1.696	1.642	1.811	1.566	1.614	1.561	1.582	1.765	1.720	1.437	1.752	1.423	1.595
FR1 n41_Ant 2	0.357	0.557	0.152	1.871	1.579	1.514	1.465	1.780	1.661	1.559	1.601	1.468	1.505	1.694	1.696	1.642	1.811	1.566	1.614	1.561	1.582	1.765	1.720	1.437	1.752	1.423	1.595
FR1 n66_Ant 2	0.436	0.557	0.152	1.950	1.658	1.593	1.544	1.859	1.740	1.638	1.680	1.547	1.584	1.773	1.775	1.721	1.890	1.645	1.693	1.640	1.661	1.844	1.799	1.516	1.831	1.502	1.674
FR1 n70_Ant 2	0.409	0.557	0.152	1.923	1.631	1.566	1.517	1.832	1.713	1.611	1.653	1.520	1.557	1.746	1.748	1.694	1.863	1.618	1.666	1.613	1.634	1.817	1.772	1.489	1.804	1.475	1.647

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+WWAN_Ant 2	1.353	-55.0	-42.0	-204.0	101.1	2.062	0.03	Not required
WLAN5/6GHz_Ant 3+4+Bluetooth_Ant 4	0.709	10.8	34.7	-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
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	0.557	0.123	1.942	1.650	1.585	1.536	1.851	1.732	1.630	1.672	1.539	1.576	1.765	1.767	1.713	1.882	1.637	1.685	1.632	1.653	1.836	1.791	1.508	1.823	1.494	1.666
WCDMA II_Ant 2	0.479	0.557	0.123	1.964	1.672	1.607	1.558	1.873	1.754	1.652	1.694	1.561	1.598	1.787	1.789	1.735	1.904	1.659	1.707	1.654	1.675	1.858	1.813	1.530	1.845	1.516	1.688
WCDMA IV_Ant 2	0.433	0.557	0.123	1.918	1.626	1.561	1.512	1.827	1.708	1.606	1.648	1.515	1.552	1.741	1.743	1.689	1.858	1.613	1.661	1.608	1.629	1.812	1.767	1.484	1.799	1.470	1.642
LTE Band 7_Ant 2	0.508	0.557	0.123	1.993	1.701	1.636	1.587	1.902	1.783	1.681	1.723	1.590	1.627	1.816	1.818	1.764	1.933	1.688	1.736	1.683	1.704	1.887	1.842	1.559	1.874	1.545	1.717
LTE Band 25_Ant 2	0.286	0.557	0.123	1.771	1.479	1.414	1.365	1.680	1.561	1.459	1.501	1.368	1.405	1.594	1.596	1.542	1.711	1.466	1.514	1.461	1.482	1.665	1.620	1.337	1.652	1.323	1.495
LTE Band 30_Ant 2	0.299	0.557	0.123	1.784	1.492	1.427	1.378	1.693	1.574	1.472	1.514	1.381	1.418	1.607	1.609	1.555	1.724	1.479	1.527	1.474	1.495	1.678	1.633	1.350	1.665	1.336	1.508
LTE Band 41_Ant 2	0.265	0.557	0.123	1.750	1.458	1.393	1.344	1.659	1.540	1.438	1.480	1.347	1.384	1.573	1.575	1.521	1.690	1.445	1.493	1.440	1.461	1.644	1.599	1.316	1.631	1.302	1.474
LTE Band 66_Ant 2	0.384	0.557	0.123	1.869	1.577	1.512	1.463	1.778	1.659	1.557	1.599	1.466	1.503	1.692	1.694	1.640	1.809	1.564	1.612	1.559	1.580	1.763	1.718	1.435	1.750	1.421	1.593
FR1 n7_Ant 2	0.548	0.557	0.123	2.033	1.741	1.676	1.627	1.942	1.823	1.721	1.763	1.630	1.667	1.856	1.858	1.804	1.973	1.728	1.776	1.723	1.744	1.927	1.882	1.599	1.914	1.585	1.757
FR1 n25_Ant 2	0.502	0.557	0.123	1.987	1.695	1.630	1.581	1.896	1.777	1.675	1.717	1.584	1.621	1.810	1.812	1.758	1.927	1.682	1.730	1.677	1.698	1.881	1.836	1.553	1.868	1.539	1.711
FR1 n30_Ant 2	0.357	0.557	0.123	1.842	1.550	1.485	1.436	1.751	1.632	1.530	1.572	1.439	1.476	1.665	1.667	1.613	1.782	1.537	1.585	1.532	1.553	1.736	1.691	1.408	1.723	1.394	1.566
FR1 n41_Ant 2	0.357	0.557	0.123	1.842	1.550	1.485	1.436	1.751	1.632	1.530	1.572	1.439	1.476	1.665	1.667	1.613	1.782	1.537	1.585	1.532	1.553	1.736	1.691	1.408	1.723	1.394	1.566
FR1 n66_Ant 2	0.436	0.557	0.123	1.921	1.629	1.564	1.515	1.830	1.711	1.609	1.651	1.518	1.555	1.744	1.746	1.692	1.861	1.616	1.664	1.611	1.632	1.815	1.770	1.487	1.802	1.473	1.645
FR1 n70_Ant 2	0.409	0.557	0.123	1.894	1.602	1.537	1.488	1.803	1.684	1.582	1.624	1.491	1.528	1.717	1.719	1.665	1.834	1.589	1.637	1.584	1.605	1.788	1.743	1.460	1.775	1.446	1.618

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+WWAN_Ant 2	1.353	-55.0	-42.0	-204.0	95.5	2.033	0.03	Not required
WLAN5/6GHz_Ant 3+4+Bluetooth_Ant 3+4	0.680	12.0	26.0	-207.0				

<Case 97>

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	103.6	1.699	0.02	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4+ Bluetooth_Ant 4	0.853	-56.9	28.2	-207.0				

<Case 98>

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	-12.5	-72.5	-207.0	97.7	1.976	0.03	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4+ Bluetooth_Ant 4	1.171	10.5	22.5	-207.0				

<Case 99>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)			0.418	0.507	0.481
GSM850_Ant 0	0.810	0.295	0.045	1.568	1.657	1.631
GSM1900_Ant 0	0.622	0.295	0.045	1.380	1.469	1.443
WCDMA II_Ant 0	0.655	0.295	0.045	1.413	1.502	1.476
WCDMA IV_Ant 0	0.444	0.295	0.045	1.202	1.291	1.265
WCDMA V_Ant 0	0.599	0.295	0.045	1.357	1.446	1.420
LTE Band 7_Ant 0	0.796	0.295	0.045	1.554	1.643	1.617
LTE Band 12_Ant 0	0.446	0.295	0.045	1.204	1.293	1.267
LTE Band 13_Ant 0	0.493	0.295	0.045	1.251	1.340	1.314
LTE Band 14_Ant 0	0.453	0.295	0.045	1.211	1.300	1.274
LTE Band 25_Ant 0	0.519	0.295	0.045	1.277	1.366	1.340
LTE Band 26_Ant 0	0.627	0.295	0.045	1.385	1.474	1.448
LTE Band 30_Ant 0	0.846	0.295	0.045	1.604	1.693	1.667
LTE Band 41_Ant 0	0.389	0.295	0.045	1.147	1.236	1.210
LTE Band 66_Ant 0	0.787	0.295	0.045	1.545	1.634	1.608
LTE Band 71_Ant 0	0.427	0.295	0.045	1.185	1.274	1.248
FR1 n7_Ant 0	0.840	0.295	0.045	1.598	1.687	1.661
FR1 n12_Ant 0	0.493	0.295	0.045	1.251	1.340	1.314
FR1 n25_Ant 0	0.631	0.295	0.045	1.389	1.478	1.452
FR1 n26_Ant 0	0.743	0.295	0.045	1.501	1.590	1.564
FR1 n30_Ant 0	0.832	0.295	0.045	1.590	1.679	1.653
FR1 n41_Ant 0	0.664	0.295	0.045	1.422	1.511	1.485
FR1 n66_Ant 0	0.827	0.295	0.045	1.585	1.674	1.648
FR1 n70_Ant 0	0.450	0.295	0.045	1.208	1.297	1.271
FR1 n71_Ant 0	0.500	0.295	0.045	1.258	1.347	1.321

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+WWAN_Ant 7	1.353	-43.0	-74.5	-207.0	100.0	1.693	0.02	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 3	0.340	-65.0	23.0	-207.0				

<Case 100>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)			0.418	0.507	0.481
GSM850_Ant 0	0.810	0.295	0.181	1.704	1.793	1.767
GSM1900_Ant 0	0.622	0.295	0.181	1.516	1.605	1.579
WCDMA II_Ant 0	0.655	0.295	0.181	1.549	1.638	1.612
WCDMA IV_Ant 0	0.444	0.295	0.181	1.338	1.427	1.401
WCDMA V_Ant 0	0.599	0.295	0.181	1.493	1.582	1.556
LTE Band 7_Ant 0	0.796	0.295	0.181	1.690	1.779	1.753
LTE Band 12_Ant 0	0.446	0.295	0.181	1.340	1.429	1.403
LTE Band 13_Ant 0	0.493	0.295	0.181	1.387	1.476	1.450
LTE Band 14_Ant 0	0.453	0.295	0.181	1.347	1.436	1.410
LTE Band 25_Ant 0	0.519	0.295	0.181	1.413	1.502	1.476
LTE Band 26_Ant 0	0.627	0.295	0.181	1.521	1.610	1.584
LTE Band 30_Ant 0	0.846	0.295	0.181	1.740	1.829	1.803
LTE Band 41_Ant 0	0.389	0.295	0.181	1.283	1.372	1.346
LTE Band 66_Ant 0	0.787	0.295	0.181	1.681	1.770	1.744
LTE Band 71_Ant 0	0.427	0.295	0.181	1.321	1.410	1.384
FR1 n7_Ant 0	0.840	0.295	0.181	1.734	1.823	1.797
FR1 n12_Ant 0	0.493	0.295	0.181	1.387	1.476	1.450
FR1 n25_Ant 0	0.631	0.295	0.181	1.525	1.614	1.588
FR1 n26_Ant 0	0.743	0.295	0.181	1.637	1.726	1.700
FR1 n30_Ant 0	0.832	0.295	0.181	1.726	1.815	1.789
FR1 n41_Ant 0	0.664	0.295	0.181	1.558	1.647	1.621
FR1 n66_Ant 0	0.827	0.295	0.181	1.721	1.810	1.784
FR1 n70_Ant 0	0.450	0.295	0.181	1.344	1.433	1.407
FR1 n71_Ant 0	0.500	0.295	0.181	1.394	1.483	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+WWAN_Ant 7	1.353	-43.5	-74.0	-207.0	103.1	1.829	0.02	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 4	0.476	-56.9	28.2	-207.0				

<Case 101>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Front	1g SAR (W/kg)			0.418	0.507	0.481
GSM850_Ant 0	0.810	0.295	0.176	1.699	1.788	1.762
GSM1900_Ant 0	0.622	0.295	0.176	1.511	1.600	1.574
WCDMA II_Ant 0	0.655	0.295	0.176	1.544	1.633	1.607
WCDMA IV_Ant 0	0.444	0.295	0.176	1.333	1.422	1.396
WCDMA V_Ant 0	0.599	0.295	0.176	1.488	1.577	1.551
LTE Band 7_Ant 0	0.796	0.295	0.176	1.685	1.774	1.748
LTE Band 12_Ant 0	0.446	0.295	0.176	1.335	1.424	1.398
LTE Band 13_Ant 0	0.493	0.295	0.176	1.382	1.471	1.445
LTE Band 14_Ant 0	0.453	0.295	0.176	1.342	1.431	1.405
LTE Band 25_Ant 0	0.519	0.295	0.176	1.408	1.497	1.471
LTE Band 26_Ant 0	0.627	0.295	0.176	1.516	1.605	1.579
LTE Band 30_Ant 0	0.846	0.295	0.176	1.735	1.824	1.798
LTE Band 41_Ant 0	0.389	0.295	0.176	1.278	1.367	1.341
LTE Band 66_Ant 0	0.787	0.295	0.176	1.676	1.765	1.739
LTE Band 71_Ant 0	0.427	0.295	0.176	1.316	1.405	1.379
FR1 n7_Ant 0	0.840	0.295	0.176	1.729	1.818	1.792
FR1 n12_Ant 0	0.493	0.295	0.176	1.382	1.471	1.445
FR1 n25_Ant 0	0.631	0.295	0.176	1.520	1.609	1.583
FR1 n26_Ant 0	0.743	0.295	0.176	1.632	1.721	1.695
FR1 n30_Ant 0	0.832	0.295	0.176	1.721	1.810	1.784
FR1 n41_Ant 0	0.664	0.295	0.176	1.553	1.642	1.616
FR1 n66_Ant 0	0.827	0.295	0.176	1.716	1.805	1.779
FR1 n70_Ant 0	0.450	0.295	0.176	1.339	1.428	1.402
FR1 n71_Ant 0	0.500	0.295	0.176	1.389	1.478	1.452

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+WWAN_Ant 7	1.353	-43.5	-74.0	-207.0	103.1	1.824	0.02	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 3+4	0.471	-56.9	28.2	-207.0				

<Case 102>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.309	0.390	0.361
GSM850_Ant 0	0.805	0.557	0.084	1.755	1.836	1.807
GSM1900_Ant 0	0.513	0.557	0.084	1.463	1.544	1.515
WCDMA II_Ant 0	0.448	0.557	0.084	1.398	1.479	1.450
WCDMA IV_Ant 0	0.399	0.557	0.084	1.349	1.430	1.401
WCDMA V_Ant 0	0.714	0.557	0.084	1.664	1.745	1.716
LTE Band 7_Ant 0	0.595	0.557	0.084	1.545	1.626	1.597
LTE Band 12_Ant 0	0.493	0.557	0.084	1.443	1.524	1.495
LTE Band 13_Ant 0	0.535	0.557	0.084	1.485	1.566	1.537
LTE Band 14_Ant 0	0.402	0.557	0.084	1.352	1.433	1.404
LTE Band 25_Ant 0	0.439	0.557	0.084	1.389	1.470	1.441
LTE Band 26_Ant 0	0.628	0.557	0.084	1.578	1.659	1.630
LTE Band 30_Ant 0	0.630	0.557	0.084	1.580	1.661	1.632
LTE Band 41_Ant 0	0.576	0.557	0.084	1.526	1.607	1.578
LTE Band 66_Ant 0	0.745	0.557	0.084	1.695	1.776	1.747
LTE Band 71_Ant 0	0.500	0.557	0.084	1.450	1.531	1.502
FR1 n7_Ant 0	0.548	0.557	0.084	1.498	1.579	1.550
FR1 n12_Ant 0	0.495	0.557	0.084	1.445	1.526	1.497
FR1 n25_Ant 0	0.516	0.557	0.084	1.466	1.547	1.518
FR1 n26_Ant 0	0.699	0.557	0.084	1.649	1.730	1.701
FR1 n30_Ant 0	0.654	0.557	0.084	1.604	1.685	1.656
FR1 n41_Ant 0	0.371	0.557	0.084	1.321	1.402	1.373
FR1 n66_Ant 0	0.686	0.557	0.084	1.636	1.717	1.688
FR1 n70_Ant 0	0.357	0.557	0.084	1.307	1.388	1.359
FR1 n71_Ant 0	0.529	0.557	0.084	1.479	1.560	1.531

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	97.7	1.836	0.03	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 3	0.641	10.5	22.5	-207.0				

<Case 103>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.309	0.390	0.361
GSM850_Ant 0	0.805	0.557	0.152	1.823	1.904	1.875
GSM1900_Ant 0	0.513	0.557	0.152	1.531	1.612	1.583
WCDMA II_Ant 0	0.448	0.557	0.152	1.466	1.547	1.518
WCDMA IV_Ant 0	0.399	0.557	0.152	1.417	1.498	1.469
WCDMA V_Ant 0	0.714	0.557	0.152	1.732	1.813	1.784
LTE Band 7_Ant 0	0.595	0.557	0.152	1.613	1.694	1.665
LTE Band 12_Ant 0	0.493	0.557	0.152	1.511	1.592	1.563
LTE Band 13_Ant 0	0.535	0.557	0.152	1.553	1.634	1.605
LTE Band 14_Ant 0	0.402	0.557	0.152	1.420	1.501	1.472
LTE Band 25_Ant 0	0.439	0.557	0.152	1.457	1.538	1.509
LTE Band 26_Ant 0	0.628	0.557	0.152	1.646	1.727	1.698
LTE Band 30_Ant 0	0.630	0.557	0.152	1.648	1.729	1.700
LTE Band 41_Ant 0	0.576	0.557	0.152	1.594	1.675	1.646
LTE Band 66_Ant 0	0.745	0.557	0.152	1.763	1.844	1.815
LTE Band 71_Ant 0	0.500	0.557	0.152	1.518	1.599	1.570
FR1 n7_Ant 0	0.548	0.557	0.152	1.566	1.647	1.618
FR1 n12_Ant 0	0.495	0.557	0.152	1.513	1.594	1.565
FR1 n25_Ant 0	0.516	0.557	0.152	1.534	1.615	1.586
FR1 n26_Ant 0	0.699	0.557	0.152	1.717	1.798	1.769
FR1 n30_Ant 0	0.654	0.557	0.152	1.672	1.753	1.724
FR1 n41_Ant 0	0.371	0.557	0.152	1.389	1.470	1.441
FR1 n66_Ant 0	0.686	0.557	0.152	1.704	1.785	1.756
FR1 n70_Ant 0	0.357	0.557	0.152	1.375	1.456	1.427
FR1 n71_Ant 0	0.529	0.557	0.152	1.547	1.628	1.599

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	109.7	1.904	0.02	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 4	0.709	10.8	34.7	-207.0				

<Case 104>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.309	0.390	0.361
GSM850_Ant 0	0.805	0.557	0.123	1.794	1.875	1.846
GSM1900_Ant 0	0.513	0.557	0.123	1.502	1.583	1.554
WCDMA II_Ant 0	0.448	0.557	0.123	1.437	1.518	1.489
WCDMA IV_Ant 0	0.399	0.557	0.123	1.388	1.469	1.440
WCDMA V_Ant 0	0.714	0.557	0.123	1.703	1.784	1.755
LTE Band 7_Ant 0	0.595	0.557	0.123	1.584	1.665	1.636
LTE Band 12_Ant 0	0.493	0.557	0.123	1.482	1.563	1.534
LTE Band 13_Ant 0	0.535	0.557	0.123	1.524	1.605	1.576
LTE Band 14_Ant 0	0.402	0.557	0.123	1.391	1.472	1.443
LTE Band 25_Ant 0	0.439	0.557	0.123	1.428	1.509	1.480
LTE Band 26_Ant 0	0.628	0.557	0.123	1.617	1.698	1.669
LTE Band 30_Ant 0	0.630	0.557	0.123	1.619	1.700	1.671
LTE Band 41_Ant 0	0.576	0.557	0.123	1.565	1.646	1.617
LTE Band 66_Ant 0	0.745	0.557	0.123	1.734	1.815	1.786
LTE Band 71_Ant 0	0.500	0.557	0.123	1.489	1.570	1.541
FR1 n7_Ant 0	0.548	0.557	0.123	1.537	1.618	1.589
FR1 n12_Ant 0	0.495	0.557	0.123	1.484	1.565	1.536
FR1 n25_Ant 0	0.516	0.557	0.123	1.505	1.586	1.557
FR1 n26_Ant 0	0.699	0.557	0.123	1.688	1.769	1.740
FR1 n30_Ant 0	0.654	0.557	0.123	1.643	1.724	1.695
FR1 n41_Ant 0	0.371	0.557	0.123	1.360	1.441	1.412
FR1 n66_Ant 0	0.686	0.557	0.123	1.675	1.756	1.727
FR1 n70_Ant 0	0.357	0.557	0.123	1.346	1.427	1.398
FR1 n71_Ant 0	0.529	0.557	0.123	1.518	1.599	1.570

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+WWAN_Ant 7	1.195	-12.5	-72.5	-207.0	101.5	1.875	0.03	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 3+4	0.680	12.0	26.0	-207.0				

<Case 105>

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	0.548	-52.5	-48.5	-207.0	94.9	1.853	0.03	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4+ Bluetooth Ant 4	1.305	10.5	22.5	-207.0				

<Case 106>

Hybrid SPLSR calculation for antenna 6 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 6	0.409	9.0	-46.0	-207.0	68.5	1.714	0.03	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4+ Bluetooth Ant 4	1.305	10.5	22.5	-207.0				

<Case 107>

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	0.390	-59.0	-51.0	-207.0	101.2	1.695	0.02	Not required
WWAN_Ant 1+WLAN5/6GHz Ant 3+4+ Bluetooth Ant 4	1.305	10.5	22.5	-207.0				

<Case 108>

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	0.548	-52.5	-48.5	-207.0	73.6	1.719	0.03	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4+Bluetooth Ant 4	1.171	-64.4	24.1	-207.0				

<Case 108>

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	0.548	-52.5	-48.5	-207.0	73.6	1.719	0.03	Not required
WWAN_Ant 5+WLAN5/6GHz Ant 3+4+Bluetooth Ant 4	1.171	-64.4	24.1	-207.0				

<Case 109>

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	88.4	1.757	0.03	Not required
WLAN5/6GHz Ant 3+4+ Bluetooth Ant 4	0.476	-56.9	28.2	-207.0				

<Case 110>

SAR summation (blue colored) for each band of antenna (2+6)+(3+4)

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.284	0.357	0.409
GSM1900_Ant 2	0.457	0.557	0.084	1.382	1.455	1.507
WCDMA II_Ant 2	0.479	0.557	0.084	1.404	1.477	1.529
WCDMA IV_Ant 2	0.433	0.557	0.084	1.358	1.431	1.483
LTE Band 7_Ant 2	0.508	0.557	0.084	1.433	1.506	1.558
LTE Band 25_Ant 2	0.286	0.557	0.084	1.211	1.284	1.336
LTE Band 30_Ant 2	0.299	0.557	0.084	1.224	1.297	1.349
LTE Band 41_Ant 2	0.265	0.557	0.084	1.190	1.263	1.315
LTE Band 66_Ant 2	0.384	0.557	0.084	1.309	1.382	1.434
FR1 n7_Ant 2	0.548	0.557	0.084	1.473	1.546	1.598
FR1 n25_Ant 2	0.502	0.557	0.084	1.427	1.500	1.552
FR1 n30_Ant 2	0.357	0.557	0.084	1.282	1.355	1.407
FR1 n41_Ant 2	0.357	0.557	0.084	1.282	1.355	1.407
FR1 n66_Ant 2	0.436	0.557	0.084	1.361	1.434	1.486
FR1 n70_Ant 2	0.409	0.557	0.084	1.334	1.407	1.459

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+WWAN_Ant 6	0.957	9.0	-46.0	-207.0	68.5	1.598	0.03	Not required
WLAN5/6GHz Ant 3+4 + Bluetooth Ant 3	0.641	10.5	22.5	-207.0				

<Case 111>

SAR summation (blue colored) for each band of antenna (2+6)+(3+4)

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
Back	1g SAR (W/kg)			0.284	0.357	0.409
GSM1900_Ant 2	0.457	0.557	0.152	1.450	1.523	1.575
WCDMA II_Ant 2	0.479	0.557	0.152	1.472	1.545	1.597
WCDMA IV_Ant 2	0.433	0.557	0.152	1.426	1.499	1.551
LTE Band 7_Ant 2	0.508	0.557	0.152	1.501	1.574	1.626
LTE Band 25_Ant 2	0.286	0.557	0.152	1.279	1.352	1.404
LTE Band 30_Ant 2	0.299	0.557	0.152	1.292	1.365	1.417
LTE Band 41_Ant 2	0.265	0.557	0.152	1.258	1.331	1.383
LTE Band 66_Ant 2	0.384	0.557	0.152	1.377	1.450	1.502
FR1 n7_Ant 2	0.548	0.557	0.152	1.541	1.614	1.666
FR1 n25_Ant 2	0.502	0.557	0.152	1.495	1.568	1.620
FR1 n30_Ant 2	0.357	0.557	0.152	1.350	1.423	1.475
FR1 n41_Ant 2	0.357	0.557	0.152	1.350	1.423	1.475
FR1 n66_Ant 2	0.436	0.557	0.152	1.429	1.502	1.554
FR1 n70_Ant 2	0.409	0.557	0.152	1.402	1.475	1.527

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+WWAN_Ant 6	0.957	9.0	-46.0	-207.0	80.7	1.666	0.03	Not required
WLAN5/6GHz Ant 3+4 + Bluetooth Ant 4	0.709	10.8	34.7	-207.0				

<Case 112>

SAR summation (blue colored) for each band of antenna (2+6)+(3+4)

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.284	0.357	0.409
GSM1900_Ant 2	0.457	0.557	0.123	1.421	1.494	1.546
WCDMA II_Ant 2	0.479	0.557	0.123	1.443	1.516	1.568
WCDMA IV_Ant 2	0.433	0.557	0.123	1.397	1.470	1.522
LTE Band 7_Ant 2	0.508	0.557	0.123	1.472	1.545	1.597
LTE Band 25_Ant 2	0.286	0.557	0.123	1.250	1.323	1.375
LTE Band 30_Ant 2	0.299	0.557	0.123	1.263	1.336	1.388
LTE Band 41_Ant 2	0.265	0.557	0.123	1.229	1.302	1.354
LTE Band 66_Ant 2	0.384	0.557	0.123	1.348	1.421	1.473
FR1 n7_Ant 2	0.548	0.557	0.123	1.512	1.585	1.637
FR1 n25_Ant 2	0.502	0.557	0.123	1.466	1.539	1.591
FR1 n30_Ant 2	0.357	0.557	0.123	1.321	1.394	1.446
FR1 n41_Ant 2	0.357	0.557	0.123	1.321	1.394	1.446
FR1 n66_Ant 2	0.436	0.557	0.123	1.400	1.473	1.525
FR1 n70_Ant 2	0.409	0.557	0.123	1.373	1.446	1.498

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+WWAN_Ant 6	0.957	9.0	-46.0	-207.0	72.1	1.637	0.03	Not required
WLAN5/6GHz Ant 3+4 + Bluetooth Ant 3+4	0.680	12.0	26.0	-207.0				

<Case 113>

Hybrid SPLSR calculation for antenna 7 and antenna (6+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	0.507	2.0	-57.0	-207.0	48.1	1.645	0.04	Not required
WWAN_Ant 6 + WLAN5/6GHz Ant 3+4 + Bluetooth Ant 4	1.138	-46.0	-59.5	-207.0				