

Appendix F. Sim-Tx SAR consideration

F.1 Sim-Tx Configuration

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

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

General Note:

- 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.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, 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.

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

Samsung proprietary TAS feature manages transmitting power effectively in real time and ensures that overall average RF exposure from 3G/4G/5G NR WWAN including 5GNR EN-DC, and LTE intra-band/inter-band uplink CA are in compliance with FCC requirements, while the RF exposure from 2G 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 5GNR EN-DC, the power ratio factors are g1 and g2 for LTE and NR respectively. The purpose of these power ratio factors is to split the available SAR budget among different RATs, so $g1 + g2 \leq 1$. The value of g1 is computed based on the need of the anchor (LTE) and can be changed if the anchor changes its power request. Based on the SAR Budget portion allocated to the anchor, the value of g2 will be computed. At steady state (where all RATs are being on for a while), the allocated power ratio factors will guarantee that the total exposure ratio never exceeds the highest exposure of either one.

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

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

In simultaneous transmission for this device, 5G NR 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+5GNR+WiFi+BT can be justified from the compliance of LTE+WiFi +BT and 5GNR+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), 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, AG2 and the compliance between AG0 and BT/WLAN/NFC, 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	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 Plimit (or Pmax when Plimit > Pmax) 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, 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 F.6 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

F.3 Head Sim-Tx analysis
<WLAN Index1, BT Index1>

Exposure Position	1	2	3	4	5	6	7	1	2	3	4+6	5+6	5+7
	WLAN2.4GHz Ant 4 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN5/6GHz Ant 4 1g SAR (W/kg)	WLAN5/6GHz Ant 4+3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)
Right Cheek	0.321	0.408	0.264	0.313	1.095	0.115	0.108	0.321	0.408	0.264	0.428	1.210	1.203
Right Tilted	0.329	0.066	0.300	0.288	0.238	0.135	0.017	0.329	0.066	0.300	0.423	0.373	0.255
Left Cheek	0.795	0.268	0.702	0.765	0.787	0.290	0.060	0.795	0.268	0.702	1.055	1.077	0.847
Left Tilted	0.778	0.052	0.664	0.700	0.496	0.283	0.008	0.778	0.052	0.664	0.983	0.779	0.504

<WLAN Index2>

Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4	
	1g SAR (W/kg)	1g SAR (W/kg)	
Right Cheek	0.408	0.313	0.721
Right Tilted	0.066	0.288	0.354
Left Cheek	0.268	0.765	1.033
Left Tilted	0.052	0.700	0.752

<WWAN Index2>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	Ant 0+1	Ant 0+2	Ant 0+5	Ant 1+2	Ant 1+6	Ant 2+5	Ant 2+6	Ant 5+6	Ant 0+5	Ant 0+5	Ant 1+2	Ant 1+2	Ant 5+6	Ant 5+6
	WWAN	WWAN	WWAN	WWAN	WWAN	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 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.
Right Cheek	0.513	0.993	0.994	0.354	0.558	1.506	1.507	0.867	1.987	1.551	1.348	1.552	0.912			0.04	Case1		
Right Tilted	0.415	0.991	0.354	0.101	0.542	1.406	0.769	0.516	1.345	1.533	0.455	0.896	0.643						
Left Cheek	0.918	0.601	0.519	0.993	0.910	1.519	1.437	1.911	1.120	1.511	1.512	1.429	1.903	0.04	Case2			0.04	Case3
Left Tilted	0.375	0.560	0.440	0.268	0.316	0.935	0.815	0.643	1.000	0.876	0.708	0.756	0.584						



FCC SAR TEST REPORT

Report No. :FA380307B

<WWAN Index3, WLAN Index3, BT Index1>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+5+8 Summed 1g SAR (W/kg)	1+6+7 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2 SPLSR	1+2 Case No.	1+3 SPLSR	1+3 Case No.	1+4 SPLSR	1+4 Case No.	1+5+7 SPLSR	1+5+7 Case No.	1+5+8 SPLSR	1+5+8 Case No.	1+6+7 SPLSR	1+6+7 Case No.	1+6+8 SPLSR	1+6+8 Case No.	
		WWAN	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 5	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	Bluetooth Ant 3																						
		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	1.104	0.168	0.242	0.125	0.076	0.327	0.115	0.108	1.272	1.346	1.229	1.295	1.288	1.546	1.539															
	Right Tilted	1.203	0.174	0.038	0.125	0.066	0.031	0.135	0.017	1.377	1.241	1.328	1.404	1.286	1.369	1.251															
	Left Cheek	1.192	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.667	1.351	1.499	1.655	1.425	1.644	1.414	0.03	Case4					0.03	Case5			0.03	Case6			
	Left Tilted	0.658	0.379	0.031	0.318	0.107	0.114	0.283	0.008	1.037	0.689	0.976	1.048	0.773	1.055	0.780															
Ant 0+2	Right Cheek	1.185	0.168	0.242	0.125	0.076	0.327	0.115	0.108	1.353	1.427	1.310	1.376	1.369	1.627	1.620											0.03	Case7	0.03	Case8	
	Right Tilted	0.723	0.174	0.038	0.125	0.066	0.031	0.135	0.017	0.897	0.761	0.848	0.924	0.806	0.889	0.771															
	Left Cheek	1.256	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.731	1.415	1.563	1.719	1.489	1.708	1.478	0.04	Case9				0.04	Case10			0.03	Case11				
	Left Tilted	0.695	0.379	0.031	0.318	0.107	0.114	0.283	0.008	1.074	0.726	1.013	1.085	0.810	1.092	0.817															
Ant 0+5	Right Cheek	0.607	0.168	0.242	0.125	0.076	0.327	0.115	0.108	0.775	0.849	0.732	0.798	0.791	1.049	1.042															
	Right Tilted	0.418	0.174	0.038	0.125	0.066	0.031	0.135	0.017	0.592	0.456	0.543	0.619	0.501	0.584	0.466															
	Left Cheek	1.184	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.659	1.343	1.491	1.647	1.417	1.636	1.406	0.03	Case12				0.03	Case13			0.02	Case14				
	Left Tilted	0.411	0.379	0.031	0.318	0.107	0.114	0.283	0.008	0.790	0.442	0.729	0.801	0.526	0.808	0.533															
Ant 1+2	Right Cheek	1.353	0.168	0.242	0.125	0.076	0.327	0.115	0.108	1.521	1.595	1.478	1.544	1.537	1.795	1.788			0.03	Case15							0.04	Case16	0.04	Case17	
	Right Tilted	1.168	0.174	0.038	0.125	0.066	0.031	0.135	0.017	1.342	1.206	1.293	1.369	1.251	1.334	1.216															
	Left Cheek	0.840	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.315	0.999	1.147	1.303	1.073	1.292	1.062															
	Left Tilted	0.737	0.379	0.031	0.318	0.107	0.114	0.283	0.008	1.116	0.768	1.055	1.127	0.852	1.134	0.859															
Ant 1+6	Right Cheek	1.122	0.168	0.242	0.125	0.076	0.327	0.115	0.108	1.290	1.364	1.247	1.313	1.306	1.564	1.557															
	Right Tilted	1.355	0.174	0.038	0.125	0.066	0.031	0.135	0.017	1.529	1.393	1.480	1.556	1.438	1.521	1.403															
	Left Cheek	1.180	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.655	1.339	1.487	1.643	1.413	1.632	1.402	0.03	Case18				0.03	Case19			0.03	Case20				
	Left Tilted	0.625	0.379	0.031	0.318	0.107	0.114	0.283	0.008	1.004	0.656	0.943	1.015	0.740	1.022	0.747															
Ant 2+5	Right Cheek	0.856	0.168	0.242	0.125	0.076	0.327	0.115	0.108	1.024	1.098	0.981	1.047	1.040	1.298	1.291															
	Right Tilted	0.383	0.174	0.038	0.125	0.066	0.031	0.135	0.017	0.557	0.421	0.508	0.584	0.466	0.549	0.431															
	Left Cheek	0.832	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.307	0.991	1.139	1.295	1.065	1.284	1.054															
	Left Tilted	0.490	0.379	0.031	0.318	0.107	0.114	0.283	0.008	0.869	0.521	0.808	0.880	0.605	0.887	0.612															
Ant 2+6	Right Cheek	1.203	0.168	0.242	0.125	0.076	0.327	0.115	0.108	1.371	1.445	1.328	1.394	1.387	1.645	1.638											0.04	Case21	0.04	Case22	
	Right Tilted	0.875	0.174	0.038	0.125	0.066	0.031	0.135	0.017	1.049	0.913	1.000	1.076	0.958	1.041	0.923															
	Left Cheek	1.244	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.719	1.403	1.551	1.707	1.477	1.696	1.466	0.04	Case23				0.04	Case24			0.03	Case25				
	Left Tilted	0.662	0.379	0.031	0.318	0.107	0.114	0.283	0.008	1.041	0.693	0.980	1.052	0.777	1.059	0.784															
Ant 5+6	Right Cheek	0.625	0.168	0.242	0.125	0.076	0.327	0.115	0.108	0.793	0.867	0.750	0.816	0.809	1.067	1.060															
	Right Tilted	0.570	0.174	0.038	0.125	0.066	0.031	0.135	0.017	0.744	0.608	0.695	0.771	0.653	0.736	0.618															
	Left Cheek	1.172	0.475	0.159	0.307	0.173	0.162	0.290	0.060	1.647	1.331	1.479	1.635	1.405	1.624	1.394	0.03	Case26				0.03	Case27			0.02	Case28				
	Left Tilted	0.378	0.379	0.031	0.318	0.107	0.114	0.283	0.008	0.757	0.409	0.696	0.768	0.493	0.775	0.500															



<WWAN Index3, WLAN Index4>

WWAN Band	Exposure Position	1	2	3	1+2+3 Summed 1g SAR (W/kg)	1+2+3 SPLSR	1+2+3 Case No.
		WWAN	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 0+1	Right Cheek	1.104	0.242	0.106	1.452		
	Right Tilted	1.203	0.038	0.112	1.353		
	Left Cheek	1.192	0.159	0.347	1.698	0.03	Case29
	Left Tilted	0.658	0.031	0.243	0.932		
Ant 0+2	Right Cheek	1.185	0.242	0.106	1.533		
	Right Tilted	0.723	0.038	0.112	0.873		
	Left Cheek	1.256	0.159	0.347	1.762	0.03	Case30
	Left Tilted	0.695	0.031	0.243	0.969		
Ant 0+5	Right Cheek	0.607	0.242	0.106	0.955		
	Right Tilted	0.418	0.038	0.112	0.568		
	Left Cheek	1.184	0.159	0.347	1.690	0.03	Case31
	Left Tilted	0.411	0.031	0.243	0.685		
Ant 1+2	Right Cheek	1.353	0.242	0.106	1.701	0.04	Case32
	Right Tilted	1.168	0.038	0.112	1.318		
	Left Cheek	0.840	0.159	0.347	1.346		
	Left Tilted	0.737	0.031	0.243	1.011		
Ant 1+6	Right Cheek	1.122	0.242	0.106	1.470		
	Right Tilted	1.355	0.038	0.112	1.505		
	Left Cheek	1.180	0.159	0.347	1.686	0.03	Case33
	Left Tilted	0.625	0.031	0.243	0.899		
Ant 2+5	Right Cheek	0.856	0.242	0.106	1.204		
	Right Tilted	0.383	0.038	0.112	0.533		
	Left Cheek	0.832	0.159	0.347	1.338		
	Left Tilted	0.490	0.031	0.243	0.764		
Ant 2+6	Right Cheek	1.203	0.242	0.106	1.551		
	Right Tilted	0.875	0.038	0.112	1.025		
	Left Cheek	1.244	0.159	0.347	1.750	0.03	Case34
	Left Tilted	0.662	0.031	0.243	0.936		
Ant 5+6	Right Cheek	0.625	0.242	0.106	0.973		
	Right Tilted	0.570	0.038	0.112	0.720		
	Left Cheek	1.172	0.159	0.347	1.678	0.03	Case35
	Left Tilted	0.378	0.031	0.243	0.652		

F.4 Hotspot Sim-Tx analysis

<WWAN Index4>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	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 1+2 Summed 1g SAR (W/kg)	Ant 1+6 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)
	WWAN	WWAN	WWAN	WWAN	WWAN								
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)								
Front at 10mm -	0.618	0.333	0.678	0.270	0.395	0.951	1.296	0.888	1.011	0.728	0.948	1.073	0.665
Back at 10mm -	0.590	0.431	0.712	0.301	0.394	1.021	1.302	0.891	1.143	0.825	1.013	1.106	0.695
Left side at 10mm -	0.830	0.351	0.154	0.017	0.773	1.181	0.984	0.847	0.505	1.124	0.171	0.927	0.790
Right side at 10mm -	0.470	0.302	0.721	0.545	0.009	0.772	1.191	1.015	1.023	0.311	1.266	0.730	0.554
Top side at 10mm -		0.564		0.058		0.564		0.058	0.564	0.564	0.058		0.058
Bottom side at 10mm -	0.757		0.592		0.086	0.757	1.349	0.757	0.592	0.086	0.592	0.678	0.086



<WWAN Index4, WLAN Index7>

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)	1+2 SPLSR	1+2 Case No.	1+3 SPLSR	1+3 SPLSR	1+4 Case No.	1+4 SPLSR	1+5 Case No.	1+5 SPLSR	1+6 Case No.	1+6 SPLSR
		WWAN	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3															
		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	0.951	0.363	0.120	0.274	0.130	0.285	1.314	1.079	1.225	1.081	1.236										
	Back	1.021	0.312	0.106	0.253	0.319	0.266	1.333	1.143	1.274	1.340	1.287										
	Left side	1.181	0.001	0.174	0.165	0.067	0.287	1.182	1.407	1.346	1.248	1.468										
	Right side	0.772	0.108	0.001	0.106	0.346	0.299	0.880	0.773	0.878	1.118	1.071										
	Top side	0.564	0.479	0.001	0.411	0.195	0.212	1.043	0.565	0.975	0.759	0.776										
	Bottom side	0.757						0.757	0.757	0.757	0.757	0.757										
Ant 0+2	Front	1.296	0.363	0.120	0.274	0.130	0.285	1.659	1.416	1.570	1.426	1.581	0.04	Case36								
	Back	1.240	0.312	0.106	0.253	0.319	0.266	1.552	1.346	1.493	1.559	1.506										
	Left side	0.984	0.001	0.174	0.165	0.067	0.287	0.985	1.158	1.149	1.051	1.271										
	Right side	1.191	0.108	0.001	0.106	0.346	0.299	1.299	1.192	1.297	1.537	1.490										
	Top side		0.479	0.001	0.411	0.195	0.212	0.479	0.001	0.411	0.195	0.212										
	Bottom side	1.349						1.349	1.349	1.349	1.349	1.349										
Ant 0+5	Front	0.888	0.363	0.120	0.274	0.130	0.285	1.251	1.008	1.162	1.018	1.173										
	Back	0.891	0.312	0.106	0.253	0.319	0.266	1.203	0.997	1.144	1.210	1.157										
	Left side	0.847	0.001	0.174	0.165	0.067	0.287	0.848	1.021	1.012	0.914	1.134										
	Right side	1.015	0.108	0.001	0.106	0.346	0.299	1.123	1.016	1.121	1.361	1.314										
	Top side	0.058	0.479	0.001	0.411	0.195	0.212	0.537	0.059	0.469	0.253	0.270										
	Bottom side	0.757						0.757	0.757	0.757	0.757	0.757										
Ant 1+2	Front	1.011	0.363	0.120	0.274	0.130	0.285	1.374	1.131	1.285	1.141	1.296										
	Back	1.081	0.312	0.106	0.253	0.319	0.266	1.393	1.187	1.334	1.400	1.347										
	Left side	0.505	0.001	0.174	0.165	0.067	0.287	0.506	0.679	0.670	0.572	0.792										
	Right side	1.023	0.108	0.001	0.106	0.346	0.299	1.131	1.024	1.129	1.369	1.322										
	Top side	0.564	0.479	0.001	0.411	0.195	0.212	1.043	0.565	0.975	0.759	0.776										
	Bottom side	0.592						0.592	0.592	0.592	0.592	0.592										
Ant 1+6	Front	0.728	0.363	0.120	0.274	0.130	0.285	1.091	0.848	1.002	0.858	1.013										
	Back	0.825	0.312	0.106	0.253	0.319	0.266	1.137	0.931	1.078	1.144	1.091										
	Left side	1.124	0.001	0.174	0.165	0.067	0.287	1.125	1.298	1.289	1.191	1.411										
	Right side	0.311	0.108	0.001	0.106	0.346	0.299	0.419	0.312	0.417	0.657	0.610										
	Top side	0.564	0.479	0.001	0.411	0.195	0.212	1.043	0.565	0.975	0.759	0.776										
	Bottom side	0.086						0.086	0.086	0.086	0.086	0.086										
Ant 2+5	Front	0.948	0.363	0.120	0.274	0.130	0.285	1.311	1.068	1.222	1.078	1.233										
	Back	0.951	0.312	0.106	0.253	0.319	0.266	1.263	1.057	1.204	1.270	1.217										
	Left side	0.171	0.001	0.174	0.165	0.067	0.287	0.172	0.345	0.336	0.238	0.458										
	Right side	1.266	0.108	0.001	0.106	0.346	0.299	1.374	1.267	1.372	1.612	1.565							0.02	Case37		
	Top side	0.058	0.479	0.001	0.411	0.195	0.212	0.537	0.059	0.469	0.253	0.270										
	Bottom side	0.592						0.592	0.592	0.592	0.592	0.592										
Ant 2+6	Front	1.073	0.363	0.120	0.274	0.130	0.285	1.436	1.193	1.347	1.203	1.358										
	Back	1.044	0.312	0.106	0.253	0.319	0.266	1.356	1.150	1.297	1.363	1.310										
	Left side	0.927	0.001	0.174	0.165	0.067	0.287	0.928	1.101	1.092	0.994	1.214										
	Right side	0.730	0.108	0.001	0.106	0.346	0.299	0.838	0.731	0.836	1.076	1.029										
	Top side		0.479	0.001	0.411	0.195	0.212	0.479	0.001	0.411	0.195	0.212										
	Bottom side	0.678						0.678	0.678	0.678	0.678	0.678										
Ant 5+6	Front	0.665	0.363	0.120	0.274	0.130	0.285	1.028	0.785	0.939	0.795	0.950										
	Back	0.695	0.312	0.106	0.253	0.319	0.266	1.007	0.801	0.948	1.014	0.961										
	Left side	0.790	0.001	0.174	0.165	0.067	0.287	0.791	0.964	0.955	0.857	1.077										
	Right side	0.554	0.108	0.001	0.106	0.346	0.299	0.662	0.555	0.660	0.900	0.853										
	Top side	0.058	0.479	0.001	0.411	0.195	0.212	0.537	0.059	0.469	0.253	0.270										
	Bottom side	0.086						0.086	0.086	0.086	0.086	0.086										



<WWAN Index4, WLAN Index8>

WWAN Band	Exposure Position	1	2	3	1+2+3 Summed 1g SAR (W/kg)	1+2+3 SPLSR	1+2+3 Case No.
		WWAN 1g SAR (W/kg)	WLAN2.4GHz Ant 3 1g SAR (W/kg)	WLAN5/6GHz Ant 4 1g SAR (W/kg)			
Ant 0+1	Front	0.951	0.128	0.185	1.264		
	Back	1.021	0.122	0.319	1.462		
	Left side	1.181	0.226	0.054	1.461		
	Right side	0.772	0.001	0.352	1.125		
	Top side	0.564	0.001	0.195	0.760		
	Bottom side	0.757			0.757		
Ant 0+2	Front	1.296	0.128	0.185	1.609	0.04	Case38
	Back	1.240	0.122	0.319	1.681	0.04	Case39
	Left side	0.984	0.226	0.054	1.264		
	Right side	1.191	0.001	0.352	1.544		
	Top side		0.001	0.195	0.196		
	Bottom side	1.349			1.349		
Ant 0+5	Front	0.888	0.128	0.185	1.201		
	Back	0.891	0.122	0.319	1.332		
	Left side	0.847	0.226	0.054	1.127		
	Right side	1.015	0.001	0.352	1.368		
	Top side	0.058	0.001	0.195	0.254		
	Bottom side	0.757			0.757		
Ant 1+2	Front	1.011	0.128	0.185	1.324		
	Back	1.081	0.122	0.319	1.522		
	Left side	0.505	0.226	0.054	0.785		
	Right side	1.023	0.001	0.352	1.376		
	Top side	0.564	0.001	0.195	0.760		
	Bottom side	0.592			0.592		
Ant 1+6	Front	0.728	0.128	0.185	1.041		
	Back	0.825	0.122	0.319	1.266		
	Left side	1.124	0.226	0.054	1.404		
	Right side	0.311	0.001	0.352	0.664		
	Top side	0.564	0.001	0.195	0.760		
	Bottom side	0.086			0.086		
Ant 2+5	Front	0.948	0.128	0.185	1.261		
	Back	0.951	0.122	0.319	1.392		
	Left side	0.171	0.226	0.054	0.451		
	Right side	1.266	0.001	0.352	1.619	0.02	Case40
	Top side	0.058	0.001	0.195	0.254		
	Bottom side	0.592			0.592		
Ant 2+6	Front	1.073	0.128	0.185	1.386		
	Back	1.044	0.122	0.319	1.485		
	Left side	0.927	0.226	0.054	1.207		
	Right side	0.730	0.001	0.352	1.083		
	Top side		0.001	0.195	0.196		
	Bottom side	0.678			0.678		
Ant 5+6	Front	0.665	0.128	0.185	0.978		
	Back	0.695	0.122	0.319	1.136		
	Left side	0.790	0.226	0.054	1.070		
	Right side	0.554	0.001	0.352	0.907		
	Top side	0.058	0.001	0.195	0.254		
	Bottom side	0.086			0.086		



FCC SAR TEST REPORT

Report No. :FA380307B

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

WWAN Band	Exposure Position	1	2	3	4	5	1+2+4 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+2+4 SPLSR	1+2+4 Case No.	1+2+5 SPLSR	1+2+5 Case No.	1+3+4 SPLSR	1+3+4 Case No.	1+3+5 SPLSR	1+3+5 Case No.
		WWAN	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	Bluetooth Ant 3												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)												
Ant 0+1	Front	0.951	0.091	0.150	0.196	0.087	1.238	1.129	1.297	1.188								
	Back	1.021	0.206	0.223	0.175	0.075	1.402	1.302	1.419	1.319								
	Left side	1.181	0.067	0.259	0.007	0.142	1.255	1.390	1.447	1.582								
	Right side	0.772	0.346	0.299	0.067	0.001	1.185	1.119	1.138	1.072								
	Top side	0.564	0.106	0.164	0.264	0.009	0.934	0.679	0.992	0.737								
	Bottom side	0.757					0.757	0.757	0.757	0.757								
Ant 0+2	Front	1.296	0.091	0.150	0.196	0.087	1.583	1.474	1.642	1.533					0.04	Case41		
	Back	1.240	0.206	0.223	0.175	0.075	1.621	1.521	1.638	1.538	0.04	Case42			0.04	Case43		
	Left side	0.984	0.067	0.259	0.007	0.142	1.058	1.193	1.250	1.385								
	Right side	1.191	0.346	0.299	0.067	0.001	1.604	1.538	1.557	1.491	0.04	Case44						
	Top side		0.106	0.164	0.264	0.009	0.370	0.115	0.428	0.173								
	Bottom side	1.349					1.349	1.349	1.349	1.349								
Ant 0+5	Front	0.888	0.091	0.150	0.196	0.087	1.175	1.066	1.234	1.125								
	Back	0.891	0.206	0.223	0.175	0.075	1.272	1.172	1.289	1.189								
	Left side	0.847	0.067	0.259	0.007	0.142	0.921	1.056	1.113	1.248								
	Right side	1.015	0.346	0.299	0.067	0.001	1.428	1.362	1.381	1.315								
	Top side	0.058	0.106	0.164	0.264	0.009	0.428	0.173	0.486	0.231								
	Bottom side	0.757					0.757	0.757	0.757	0.757								
Ant 1+2	Front	1.011	0.091	0.150	0.196	0.087	1.298	1.189	1.357	1.248								
	Back	1.081	0.206	0.223	0.175	0.075	1.462	1.362	1.479	1.379								
	Left side	0.505	0.067	0.259	0.007	0.142	0.579	0.714	0.771	0.906								
	Right side	1.023	0.346	0.299	0.067	0.001	1.436	1.370	1.389	1.323								
	Top side	0.564	0.106	0.164	0.264	0.009	0.934	0.679	0.992	0.737								
	Bottom side	0.592					0.592	0.592	0.592	0.592								
Ant 1+6	Front	0.728	0.091	0.150	0.196	0.087	1.015	0.906	1.074	0.965								
	Back	0.825	0.206	0.223	0.175	0.075	1.206	1.106	1.223	1.123								
	Left side	1.124	0.067	0.259	0.007	0.142	1.198	1.333	1.390	1.525								
	Right side	0.311	0.346	0.299	0.067	0.001	0.724	0.658	0.677	0.611								
	Top side	0.564	0.106	0.164	0.264	0.009	0.934	0.679	0.992	0.737								
	Bottom side	0.086					0.086	0.086	0.086	0.086								
Ant 2+5	Front	0.948	0.091	0.150	0.196	0.087	1.235	1.126	1.294	1.185								
	Back	0.951	0.206	0.223	0.175	0.075	1.332	1.232	1.349	1.249								
	Left side	0.171	0.067	0.259	0.007	0.142	0.245	0.380	0.437	0.572								
	Right side	1.266	0.346	0.299	0.067	0.001	1.679	1.613	1.632	1.566	0.03	Case45	0.02	Case46	0.02	Case47		
	Top side	0.058	0.106	0.164	0.264	0.009	0.428	0.173	0.486	0.231								
	Bottom side	0.592					0.592	0.592	0.592	0.592								
Ant 2+6	Front	1.073	0.091	0.150	0.196	0.087	1.360	1.251	1.419	1.310								
	Back	1.044	0.206	0.223	0.175	0.075	1.425	1.325	1.442	1.342								
	Left side	0.927	0.067	0.259	0.007	0.142	1.001	1.136	1.193	1.328								
	Right side	0.730	0.346	0.299	0.067	0.001	1.143	1.077	1.096	1.030								
	Top side		0.106	0.164	0.264	0.009	0.370	0.115	0.428	0.173								
	Bottom side	0.678					0.678	0.678	0.678	0.678								
Ant 5+6	Front	0.665	0.091	0.150	0.196	0.087	0.952	0.843	1.011	0.902								
	Back	0.695	0.206	0.223	0.175	0.075	1.076	0.976	1.093	0.993								
	Left side	0.790	0.067	0.259	0.007	0.142	0.864	0.999	1.056	1.191								
	Right side	0.554	0.346	0.299	0.067	0.001	0.967	0.901	0.920	0.854								
	Top side	0.058	0.106	0.164	0.264	0.009	0.428	0.173	0.486	0.231								
	Bottom side	0.086					0.086	0.086	0.086	0.086								

F.5 Body-worn Sim-Tx analysis
<WLAN Index5, BT index 3>

Exposure Position	1	2	3	4	5	6	7	1 Summed 1g SAR (W/kg)	2 Summed 1g SAR (W/kg)	3 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	4+7 Summed 1g SAR (W/kg)	5+6 Summed 1g SAR (W/kg)	5+7 Summed 1g SAR (W/kg)
	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4+3 1g SAR (W/kg)	WLAN 5/6GHz Ant 4 1g SAR (W/kg)	WLAN 5/6GHz Ant 4+3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)							
Front	0.488	0.543	0.579	0.241	0.285	0.289	0.369	0.488	0.543	0.579	0.530	0.610	0.574	0.654
Back	0.464	0.252	0.573	0.344	0.385	0.285	0.279	0.464	0.252	0.573	0.629	0.623	0.670	0.664

<WLAN Index6>

Exposure Position	1	2	1+2 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4	
	1g SAR (W/kg)	1g SAR (W/kg)	
Front	0.543	0.241	0.784
Back	0.252	0.344	0.596

<WWAN Index5>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6																						
	WWAN	WWAN	WWAN	WWAN	WWAN	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 1+2 Summed 1g SAR (W/kg)	Ant 1+6 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 0+1 SPLSR Case No.	Ant 0+2 SPLSR Case No.	Ant 0+5 SPLSR Case No.	Ant 1+2 SPLSR Case No.	Ant 1+6 SPLSR Case No.	Ant 2+5 SPLSR Case No.	Ant 2+6 SPLSR Case No.	Ant 5+6 SPLSR Case No.						
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																						
Front at 10mm	0.991	0.490	0.795	0.993	0.778	1.481	1.786	1.984	1.285	1.268	1.788	1.573	1.771		0.04	Case48	0.04	Case49			0.03	Case50			0.02	Case51	
Back at 10mm	0.857	0.642	0.960	0.820	0.783	1.499	1.817	1.677	1.602	1.425	1.780	1.743	1.603		0.04	Case52	0.02	Case53	0.01	Case54		0.03	Case55	0.04	Case56	0.02	Case57

<WWAN Index6, WLAN Index7>

WWAN Band	Exposure Position	1	2	3	4	5	6	1+2 Summed 1g SAR (W/kg)	1+3 Summed 1g SAR (W/kg)	1+4 Summed 1g SAR (W/kg)	1+5 Summed 1g SAR (W/kg)	1+6 Summed 1g SAR (W/kg)	Ant 1+2 SPLSR	Ant 1+2 Case No.	Ant 1+3 SPLSR	Ant 1+3 Case No.	Ant 1+4 SPLSR	Ant 1+4 Case No.	Ant 1+5 SPLSR	Ant 1+5 Case No.	Ant 1+6 SPLSR	Ant 1+6 Case No.
		WWAN	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3															
		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	1.314	0.363	0.120	0.279	0.241	0.285	1.677	1.434	1.593	1.555	1.599	0.02	Case58							0.02	Case59
	Back	1.355	0.312	0.106	0.253	0.344	0.385	1.667	1.461	1.608	1.699	1.740	0.02	Case60			0.02	Case61	0.02	Case62	0.04	Case63
Ant 0+2	Front	1.421	0.363	0.120	0.279	0.241	0.285	1.784	1.541	1.700	1.662	1.706	0.04	Case64			0.04	Case65	0.04	Case66	0.04	Case67
	Back	1.458	0.312	0.106	0.253	0.344	0.385	1.770	1.564	1.711	1.802	1.843	0.04	Case68			0.04	Case69	0.04	Case70	0.04	Case71
Ant 0+5	Front	1.457	0.363	0.120	0.279	0.241	0.285	1.820	1.577	1.736	1.698	1.742	0.02	Case72			0.02	Case73	0.02	Case74	0.02	Case75
	Back	1.220	0.312	0.106	0.253	0.344	0.385	1.532	1.326	1.473	1.564	1.605								0.03	Case76	
Ant 1+2	Front	1.087	0.363	0.120	0.279	0.241	0.285	1.450	1.207	1.366	1.328	1.372										
	Back	1.387	0.312	0.106	0.253	0.344	0.385	1.699	1.493	1.640	1.731	1.772	0.02	Case77			0.02	Case78	0.02	Case79	0.02	Case80
Ant 1+6	Front	1.169	0.363	0.120	0.279	0.241	0.285	1.532	1.289	1.448	1.410	1.454										
	Back	1.325	0.312	0.106	0.253	0.344	0.385	1.637	1.431	1.578	1.669	1.710	0.02	Case81					0.02	Case82	0.03	Case83
Ant 2+5	Front	1.230	0.363	0.120	0.279	0.241	0.285	1.593	1.350	1.509	1.471	1.515										
	Back	1.252	0.312	0.106	0.253	0.344	0.385	1.564	1.358	1.505	1.596	1.637							0.02	Case84	0.02	Case85
Ant 2+6	Front	1.276	0.363	0.120	0.279	0.241	0.285	1.639	1.396	1.555	1.517	1.561	0.04	Case86								
	Back	1.428	0.312	0.106	0.253	0.344	0.385	1.740	1.534	1.681	1.772	1.813	0.03	Case87			0.03	Case88	0.04	Case89	0.04	Case90
Ant 5+6	Front	1.312	0.363	0.120	0.279	0.241	0.285	1.675	1.432	1.591	1.553	1.597	0.02	Case91							0.02	Case92
	Back	1.190	0.312	0.106	0.253	0.344	0.385	1.502	1.296	1.443	1.534	1.575										

<WWAN Index6, WLAN Index8>

WWAN Band	Exposure Position	1	2	3	1+2+3 Summed 1g SAR (W/kg)	1+2+3 SPLSR	1+2+3 Case No.
		WWAN	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4			
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Ant 0+1	Front	1.314	0.128	0.181	1.623	0.02	Case93
	Back	1.355	0.122	0.262	1.739	0.02	Case94
Ant 0+2	Front	1.421	0.128	0.181	1.730	0.04	Case95
	Back	1.458	0.122	0.262	1.842	0.04	Case96
Ant 0+5	Front	1.457	0.128	0.181	1.766	0.03	Case97
	Back	1.220	0.122	0.262	1.604	0.02	Case98
Ant 1+2	Front	1.087	0.128	0.181	1.396		
	Back	1.387	0.122	0.262	1.771	0.02	Case99
Ant 1+6	Front	1.169	0.128	0.181	1.478		
	Back	1.325	0.122	0.262	1.709	0.02	Case100
Ant 2+5	Front	1.230	0.128	0.181	1.539		
	Back	1.252	0.122	0.262	1.636	0.02	Case101
Ant 2+6	Front	1.276	0.128	0.181	1.585		
	Back	1.428	0.122	0.262	1.812	0.04	Case102
Ant 5+6	Front	1.312	0.128	0.181	1.621	0.02	Case103
	Back	1.190	0.122	0.262	1.574		

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

WWAN Band	Exposure Position	1	2	3	4	5	1+2+4 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+2+4 SPLSR	1+2+4 Case No.	1+2+5 SPLSR	1+2+5 Case No.	1+3+4 SPLSR	1+3+4 Case No.	1+3+5 SPLSR	1+3+5 Case No.
		WWAN	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	Bluetooth Ant 3												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)												
Ant 0+1	Front	1.314	0.241	0.240	0.196	0.098	1.751	1.653	1.750	1.652	0.02	Case104	0.02	Case105	0.02	Case106	0.02	Case107
	Back	1.355	0.344	0.385	0.175	0.075	1.874	1.774	1.915	1.815	0.04	Case108	0.04	Case109	0.04	Case110	0.04	Case111
Ant 0+2	Front	1.421	0.241	0.240	0.196	0.098	1.858	1.760	1.857	1.759	0.03	Case112	0.04	Case113	0.03	Case114	0.04	Case115
	Back	1.458	0.344	0.385	0.175	0.075	1.977	1.877	2.018	1.918	0.04	Case116	0.04	Case117	0.04	Case118	0.04	Case119
Ant 0+5	Front	1.457	0.241	0.240	0.196	0.098	1.894	1.796	1.893	1.795	0.04	Case120	0.03	Case121	0.04	Case122	0.03	Case123
	Back	1.220	0.344	0.385	0.175	0.075	1.739	1.639	1.780	1.680	0.03	Case124	0.03	Case125	0.04	Case126	0.03	Case127
Ant 1+2	Front	1.087	0.241	0.240	0.196	0.098	1.524	1.426	1.523	1.425								
	Back	1.387	0.344	0.385	0.175	0.075	1.906	1.806	1.947	1.847	0.02	Case128	0.02	Case129	0.03	Case130	0.02	Case131
Ant 1+6	Front	1.169	0.241	0.240	0.196	0.098	1.606	1.508	1.605	1.507	0.02	Case132			0.02	Case133		
	Back	1.325	0.344	0.385	0.175	0.075	1.844	1.744	1.885	1.785	0.02	Case134	0.03	Case135	0.03	Case136	0.03	Case137
Ant 2+5	Front	1.230	0.241	0.240	0.196	0.098	1.667	1.569	1.666	1.568	0.03	Case138			0.03	Case139		
	Back	1.252	0.344	0.385	0.175	0.075	1.771	1.671	1.812	1.712	0.03	Case140	0.02	Case141	0.03	Case142	0.02	Case143
Ant 2+6	Front	1.276	0.241	0.240	0.196	0.098	1.713	1.615	1.712	1.614	0.04	Case144	0.04	Case145	0.04	Case146	0.04	Case147
	Back	1.428	0.344	0.385	0.175	0.075	1.947	1.847	1.988	1.888	0.04	Case148	0.04	Case149	0.04	Case150	0.04	Case151
Ant 5+6	Front	1.312	0.241	0.240	0.196	0.098	1.749	1.651	1.748	1.650	0.02	Case152	0.02	Case153	0.02	Case154	0.02	Case155
	Back	1.190	0.344	0.385	0.175	0.075	1.709	1.609	1.750	1.650	0.02	Case156	0.03	Case157	0.03	Case158	0.03	Case159

F.7 SAR Peak Location Distance and SPLSR analysis
<Case 1>

SPLSR calculation for antenna 1,2

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.993	48.9	-257.3	-175.6	77.2	1.99	0.04	Not required
WWAN_Ant 2	0.994	14.9	-326.6	-174.2				

<Case 2>

SPLSR calculation for antenna 0,5

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.918	56.2	261.6	-175.2	59.6	1.91	0.04	Not required
WWAN_Ant 5	0.993	58.3	321.1	-173.7				

<Case 3>

SPLSR calculation for antenna 5,6

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.993	52.5	250.2	-174.6	71.1	1.90	0.04	Not required
WWAN_Ant 6	0.91	58.3	321.1	-173.7				

<Case 4>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.804	53.2	246.9	-174.1	72.5	1.67	0.03	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.863	-1.0	294.9	-170.5				

<Case 5>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.804	53.2	246.9	-174.1	72.5	1.66	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	0.851	-1.0	294.9	-170.5				



<Case 6>

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	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
Left Cheek	1g SAR (W/kg)			0.575	0.611	0.651	0.491	0.402	0.674	0.311	0.454	0.453	0.670	0.462	0.610	0.507	0.524	0.291	0.621	0.362	0.637	0.502	0.804	0.682	0.529	0.148	0.279
GSM850_Ant 1	0.388	0.162	0.290	1.415	1.451	1.491	1.331	1.242	1.514	1.151	1.294	1.293	1.510	1.302	1.450	1.347	1.364	1.131	1.461	1.202	1.477	1.342	1.644	1.522	1.369	0.988	1.119
WCDMA V_Ant 1	0.370	0.162	0.290	1.397	1.433	1.473	1.313	1.224	1.496	1.133	1.276	1.275	1.492	1.284	1.432	1.329	1.346	1.113	1.443	1.184	1.459	1.324	1.626	1.504	1.351	0.970	1.101
LTE Band 2_Ant 1	0.253	0.162	0.290	1.280	1.316	1.356	1.196	1.107	1.379	1.016	1.159	1.158	1.375	1.167	1.315	1.212	1.229	0.996	1.326	1.067	1.342	1.207	1.509	1.387	1.234	0.853	0.984
LTE Band 12_Ant 1	0.293	0.162	0.290	1.320	1.356	1.396	1.236	1.147	1.419	1.056	1.199	1.198	1.415	1.207	1.355	1.252	1.269	1.036	1.366	1.107	1.382	1.247	1.549	1.427	1.274	0.893	1.024
LTE Band 13_Ant 1	0.321	0.162	0.290	1.348	1.384	1.424	1.264	1.175	1.447	1.084	1.227	1.226	1.443	1.235	1.383	1.280	1.297	1.064	1.394	1.135	1.410	1.275	1.577	1.455	1.302	0.921	1.052
LTE Band 14_Ant 1	0.351	0.162	0.290	1.378	1.414	1.454	1.294	1.205	1.477	1.114	1.257	1.256	1.473	1.265	1.413	1.310	1.327	1.094	1.424	1.165	1.440	1.305	1.607	1.485	1.332	0.951	1.082
LTE Band 26_Ant 1	0.316	0.162	0.290	1.343	1.379	1.419	1.259	1.170	1.442	1.079	1.222	1.221	1.438	1.230	1.378	1.275	1.292	1.059	1.389	1.130	1.405	1.270	1.572	1.450	1.297	0.916	1.047
LTE Band 66_Ant 1	0.258	0.162	0.290	1.285	1.321	1.361	1.201	1.112	1.384	1.021	1.164	1.163	1.380	1.172	1.320	1.217	1.234	1.001	1.331	1.072	1.347	1.212	1.514	1.392	1.239	0.858	0.989
LTE Band 71_Ant 1	0.315	0.162	0.290	1.342	1.378	1.418	1.258	1.169	1.441	1.078	1.221	1.220	1.437	1.229	1.377	1.274	1.291	1.058	1.388	1.129	1.404	1.269	1.571	1.449	1.296	0.915	1.046
FR1 n12_Ant 1	0.215	0.162	0.290	1.242	1.278	1.318	1.158	1.069	1.341	0.978	1.121	1.120	1.337	1.129	1.277	1.174	1.191	0.958	1.288	1.029	1.304	1.169	1.471	1.349	1.196	0.815	0.946
FR1 n26_Ant 1	0.341	0.162	0.290	1.368	1.404	1.444	1.284	1.195	1.467	1.104	1.247	1.246	1.463	1.255	1.403	1.300	1.317	1.084	1.414	1.155	1.430	1.295	1.597	1.475	1.322	0.941	1.072
FR1 n71_Ant 1	0.239	0.162	0.290	1.266	1.302	1.342	1.182	1.093	1.365	1.002	1.145	1.144	1.361	1.153	1.301	1.198	1.215	0.982	1.312	1.053	1.328	1.193	1.495	1.373	1.220	0.839	0.970
FR1 n77_Ant 1	0.131	0.162	0.290	1.158	1.194	1.234	1.074	0.985	1.257	0.894	1.037	1.036	1.253	1.045	1.193	1.090	1.107	0.874	1.204	0.945	1.220	1.085	1.387	1.265	1.112	0.731	0.862

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 + WLAN5/6G_Ant 3	0.966	38.4	257.0	-174.7	54.8	1.35	0.03	Not required
WWAN_Ant 1	0.388	-1.0	294.9	-170.5				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.966	38.4	257.0	-174.7	78.9	1.42	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 1	0.388	0.2	296.5	-170.9	38.3	0.84	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.452	14.1	332.1	-173.9				



<Case 7>

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
Right Cheek	1g SAR (W/kg)			0.428	0.349	0.344	0.275	0.357	0.295	0.251	0.393	0.417	0.355	0.383	0.351	0.243	0.276	0.236	0.253	0.275	0.314	0.362	0.468	0.294	0.217	0.078	0.257
GSM1900_Ant 2	0.617	0.327	0.115	1.487	1.408	1.403	1.334	1.416	1.354	1.310	1.452	1.476	1.414	1.442	1.410	1.302	1.335	1.295	1.312	1.334	1.373	1.421	1.527	1.353	1.276	1.137	1.316
WCDMA II_Ant 2	0.698	0.327	0.115	1.568	1.489	1.484	1.415	1.497	1.435	1.391	1.533	1.557	1.495	1.523	1.491	1.383	1.416	1.376	1.393	1.415	1.454	1.502	1.608	1.434	1.357	1.218	1.397
WCDMA IV_Ant 2	0.602	0.327	0.115	1.472	1.393	1.388	1.319	1.401	1.339	1.295	1.437	1.461	1.399	1.427	1.395	1.287	1.320	1.280	1.297	1.319	1.358	1.406	1.512	1.338	1.261	1.122	1.301
LTE Band 7_Ant 2	0.604	0.327	0.115	1.474	1.395	1.390	1.321	1.403	1.341	1.297	1.439	1.463	1.401	1.429	1.397	1.289	1.322	1.282	1.299	1.321	1.360	1.408	1.514	1.340	1.263	1.124	1.303
LTE Band 25_Ant 2	0.664	0.327	0.115	1.534	1.455	1.450	1.381	1.463	1.401	1.357	1.499	1.523	1.461	1.489	1.457	1.349	1.382	1.342	1.359	1.381	1.420	1.468	1.574	1.400	1.323	1.184	1.363
LTE Band 30_Ant 2	0.705	0.327	0.115	1.575	1.496	1.491	1.422	1.504	1.442	1.398	1.540	1.564	1.502	1.530	1.498	1.390	1.423	1.383	1.400	1.422	1.461	1.509	1.615	1.441	1.364	1.225	1.404
LTE Band 41_Ant 2	0.429	0.327	0.115	1.299	1.220	1.215	1.146	1.228	1.166	1.122	1.264	1.288	1.226	1.254	1.222	1.114	1.147	1.107	1.124	1.146	1.185	1.233	1.339	1.165	1.088	0.949	1.128
LTE Band 48_Ant 2	0.562	0.327	0.115	1.432	1.353	1.348	1.279	1.361	1.299	1.255	1.397	1.421	1.359	1.387	1.355	1.247	1.280	1.240	1.257	1.279	1.318	1.366	1.472	1.298	1.221	1.082	1.261
LTE Band 66_Ant 2	0.620	0.327	0.115	1.490	1.411	1.406	1.337	1.419	1.357	1.313	1.455	1.479	1.417	1.445	1.413	1.305	1.338	1.298	1.315	1.337	1.376	1.424	1.530	1.356	1.279	1.140	1.319
FR1 n7_Ant 2	0.671	0.327	0.115	1.541	1.462	1.457	1.388	1.470	1.408	1.364	1.506	1.530	1.468	1.496	1.464	1.356	1.389	1.349	1.366	1.388	1.427	1.475	1.581	1.407	1.330	1.191	1.370
FR1 n25_Ant 2	0.717	0.327	0.115	1.587	1.508	1.503	1.434	1.516	1.454	1.410	1.552	1.576	1.514	1.542	1.510	1.402	1.435	1.395	1.412	1.434	1.473	1.521	1.627	1.453	1.376	1.237	1.416
FR1 n30_Ant 2	0.630	0.327	0.115	1.500	1.421	1.416	1.347	1.429	1.367	1.323	1.465	1.489	1.427	1.455	1.423	1.315	1.348	1.308	1.325	1.347	1.386	1.434	1.540	1.366	1.289	1.150	1.329
FR1 n41_Ant 2	0.681	0.327	0.115	1.551	1.472	1.467	1.398	1.480	1.418	1.374	1.516	1.540	1.478	1.506	1.474	1.366	1.399	1.359	1.376	1.398	1.437	1.485	1.591	1.417	1.340	1.201	1.380
FR1 n48_Ant 2	0.510	0.327	0.115	1.380	1.301	1.296	1.227	1.309	1.247	1.203	1.345	1.369	1.307	1.335	1.303	1.195	1.228	1.188	1.205	1.227	1.266	1.314	1.420	1.246	1.169	1.030	1.209
FR1 n66_Ant 2	0.635	0.327	0.115	1.505	1.426	1.421	1.352	1.434	1.372	1.328	1.470	1.494	1.432	1.460	1.428	1.320	1.353	1.313	1.330	1.352	1.391	1.439	1.545	1.371	1.294	1.155	1.334
FR1 n70_Ant 2	0.622	0.327	0.115	1.492	1.413	1.408	1.339	1.421	1.359	1.315	1.457	1.481	1.419	1.447	1.415	1.307	1.340	1.300	1.317	1.339	1.378	1.426	1.532	1.358	1.281	1.142	1.321
FR1 n77_Ant 2	0.667	0.327	0.115	1.537	1.458	1.453	1.384	1.466	1.404	1.360	1.502	1.526	1.464	1.492	1.460	1.352	1.385	1.345	1.362	1.384	1.423	1.471	1.577	1.403	1.326	1.187	1.366

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+WLAN5/6GHz_Ant 4+3(3)	0.795	55.0	-312.1	-175.3	61.1	1.51	0.03	Not required
WWAN_Ant 2	0.717	56.0	-251.0	-174.2				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.795	61.3	-311.2	-174.1	70.4	0.93	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.134	-4.5	-286.7	-168.5				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.795	61.3	-311.2	-174.1	70.0	0.93	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.134	-6.8	-295.8	-169.4				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.795	53.5	-318.2	-174.9	67.3	1.51	0.03	Not required
WWAN_Ant 2	0.717	56.0	-251.0	-174.2				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.795	53.5	-318.2	-174.9	66.3	0.93	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.134	-4.5	-286.7	-168.5				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.795	53.5	-318.2	-174.9	64.6	0.93	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.134	-6.8	-295.8	-169.4				
WWAN_Ant 2	0.717	56.0	-251.0	-174.2	70.5	0.85	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.134	-4.5	-286.7	-168.5				
WWAN_Ant 2	0.717	56.0	-251.0	-174.2	77.3	0.85	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.134	-6.8	-295.8	-169.4				



<Case 8>

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	GSM 850_Ant 0	GSM1900_Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Right Cheek	1g SAR (W/kg)			0.428	0.349	0.344	0.275	0.357	0.295	0.251	0.393	0.417	0.355	0.383	0.351	0.243	0.276	0.236	0.253	0.275	0.314	0.362	0.468	0.294	0.217	0.078	0.257
GSM1900_Ant 2	0.617	0.327	0.108	1.480	1.401	1.396	1.327	1.409	1.347	1.303	1.445	1.469	1.407	1.435	1.403	1.295	1.328	1.288	1.305	1.327	1.366	1.414	1.520	1.346	1.269	1.130	1.309
WCDMA II_Ant 2	0.698	0.327	0.108	1.561	1.482	1.477	1.408	1.490	1.428	1.384	1.526	1.550	1.488	1.516	1.484	1.376	1.409	1.369	1.386	1.408	1.447	1.495	1.601	1.427	1.350	1.211	1.390
WCDMA IV_Ant 2	0.602	0.327	0.108	1.465	1.386	1.381	1.312	1.394	1.332	1.288	1.430	1.454	1.392	1.420	1.388	1.280	1.313	1.273	1.290	1.312	1.351	1.399	1.505	1.331	1.254	1.115	1.294
LTE Band 7_Ant 2	0.604	0.327	0.108	1.467	1.388	1.383	1.314	1.396	1.334	1.290	1.432	1.456	1.394	1.422	1.390	1.282	1.315	1.275	1.292	1.314	1.353	1.401	1.507	1.333	1.256	1.117	1.296
LTE Band 25_Ant 2	0.664	0.327	0.108	1.527	1.448	1.443	1.374	1.456	1.394	1.350	1.492	1.516	1.454	1.482	1.450	1.342	1.375	1.335	1.352	1.374	1.413	1.461	1.567	1.393	1.316	1.177	1.356
LTE Band 30_Ant 2	0.705	0.327	0.108	1.568	1.489	1.484	1.415	1.497	1.435	1.391	1.533	1.557	1.495	1.523	1.491	1.383	1.416	1.376	1.393	1.415	1.454	1.502	1.608	1.434	1.357	1.218	1.397
LTE Band 41_Ant 2	0.429	0.327	0.108	1.292	1.213	1.208	1.139	1.221	1.159	1.115	1.257	1.281	1.219	1.247	1.215	1.107	1.140	1.100	1.117	1.139	1.178	1.226	1.332	1.158	1.081	0.942	1.121
LTE Band 48_Ant 2	0.562	0.327	0.108	1.425	1.346	1.341	1.272	1.354	1.292	1.248	1.390	1.414	1.352	1.380	1.348	1.240	1.273	1.233	1.250	1.272	1.311	1.359	1.465	1.291	1.214	1.075	1.254
LTE Band 66_Ant 2	0.620	0.327	0.108	1.483	1.404	1.399	1.330	1.412	1.350	1.306	1.448	1.472	1.410	1.438	1.406	1.298	1.331	1.291	1.308	1.330	1.369	1.417	1.523	1.349	1.272	1.133	1.312
FR1 n7_Ant 2	0.671	0.327	0.108	1.534	1.455	1.450	1.381	1.463	1.401	1.357	1.499	1.523	1.461	1.489	1.457	1.349	1.382	1.342	1.359	1.381	1.420	1.468	1.574	1.400	1.323	1.184	1.363
FR1 n25_Ant 2	0.717	0.327	0.108	1.580	1.501	1.496	1.427	1.509	1.447	1.403	1.545	1.569	1.507	1.535	1.503	1.395	1.428	1.388	1.405	1.427	1.466	1.514	1.620	1.446	1.369	1.230	1.409
FR1 n30_Ant 2	0.630	0.327	0.108	1.493	1.414	1.409	1.340	1.422	1.360	1.316	1.458	1.482	1.420	1.448	1.416	1.308	1.341	1.301	1.318	1.340	1.379	1.427	1.533	1.359	1.282	1.143	1.322
FR1 n41_Ant 2	0.681	0.327	0.108	1.544	1.465	1.460	1.391	1.473	1.411	1.367	1.509	1.533	1.471	1.499	1.467	1.359	1.392	1.352	1.369	1.391	1.430	1.478	1.584	1.410	1.333	1.194	1.373
FR1 n48_Ant 2	0.510	0.327	0.108	1.373	1.294	1.289	1.220	1.302	1.240	1.196	1.338	1.362	1.300	1.328	1.296	1.188	1.221	1.181	1.198	1.220	1.259	1.307	1.413	1.239	1.162	1.023	1.202
FR1 n66_Ant 2	0.635	0.327	0.108	1.498	1.419	1.414	1.345	1.427	1.365	1.321	1.463	1.487	1.425	1.453	1.421	1.313	1.346	1.306	1.323	1.345	1.384	1.432	1.538	1.364	1.287	1.148	1.327
FR1 n70_Ant 2	0.622	0.327	0.108	1.485	1.406	1.401	1.332	1.414	1.352	1.308	1.450	1.474	1.412	1.440	1.408	1.300	1.333	1.293	1.310	1.332	1.371	1.419	1.525	1.351	1.274	1.135	1.314
FR1 n77_Ant 2	0.667	0.327	0.108	1.530	1.451	1.446	1.377	1.459	1.397	1.353	1.495	1.519	1.457	1.485	1.453	1.345	1.378	1.338	1.355	1.377	1.416	1.464	1.570	1.396	1.319	1.180	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+WLAN5/6GHz_Ant 4+3(3)+BT_Ant 3	0.903	55.0	-312.1	-175.3	61.1	1.62	0.03	Not required
WWAN_Ant 2	0.717	56.0	-251.0	-174.2				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)+BT_Ant 3	0.903	61.3	-311.2	-174.1	70.4	0.92	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)	0.019	-4.5	-286.7	-168.5				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)+BT_Ant 3	0.903	53.5	-318.2	-174.9	67.3	1.62	0.03	Not required
WWAN_Ant 2	0.717	56.0	-251.0	-174.2				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)+BT_Ant 3	0.903	53.5	-318.2	-174.9	66.3	0.92	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)	0.019	-4.5	-286.7	-168.5				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)+BT_Ant 3	0.903	57.2	-323.2	-173.7	72.2	1.62	0.03	Not required
WWAN_Ant 2	0.717	56.0	-251.0	-174.2				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)+BT_Ant 3	0.903	57.2	-323.2	-173.7	71.9	0.92	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)	0.019	-4.5	-286.7	-168.5				
WWAN_Ant 2	0.717	56.0	-251.0	-174.2	70.5	0.74	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)	0.019	-4.5	-286.7	-168.5				



<Case 9>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.804	53.2	246.9	-174.1	59.5	1.73	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4	0.927	64.2	305.4	-173.9				

<Case 10>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.804	53.2	246.9	-174.1	59.5	1.72	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 4	0.915	64.2	305.4	-173.9				

<Case 11>

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

SAR summation (value below) for each band of antenna 1,2,3,4																											
Exposure Position	WWAN SAR	WLAN/ 6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCD MA Ant 0	WCD MA IV Ant 0	WCD MA 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
Left Cheek	1g SAR (W/kg)			0.575	0.611	0.651	0.491	0.402	0.674	0.311	0.454	0.453	0.670	0.462	0.610	0.507	0.524	0.291	0.621	0.362	0.637	0.502	0.804	0.682	0.529	0.148	0.279
GSM1900_Ant 2	0.309	0.162	0.290	1.336	1.372	1.412	1.252	1.163	1.435	1.072	1.215	1.214	1.431	1.223	1.371	1.268	1.285	1.052	1.382	1.123	1.398	1.263	1.565	1.443	1.290	0.909	1.040
WCDMA II_Ant 2	0.377	0.162	0.290	1.404	1.440	1.480	1.320	1.231	1.503	1.140	1.283	1.282	1.499	1.291	1.439	1.336	1.353	1.120	1.450	1.191	1.466	1.331	1.633	1.511	1.358	0.977	1.108
WCDMA IV_Ant 2	0.316	0.162	0.290	1.343	1.379	1.419	1.259	1.170	1.442	1.079	1.222	1.221	1.438	1.230	1.378	1.275	1.292	1.059	1.389	1.130	1.405	1.270	1.572	1.450	1.297	0.916	1.047
LTE Band 7_Ant 2	0.222	0.162	0.290	1.249	1.285	1.325	1.165	1.076	1.348	0.985	1.128	1.127	1.344	1.136	1.284	1.181	1.198	0.965	1.295	1.036	1.311	1.176	1.478	1.356	1.203	0.822	0.953
LTE Band 25_Ant 2	0.363	0.162	0.290	1.390	1.426	1.466	1.306	1.217	1.489	1.126	1.269	1.268	1.485	1.277	1.425	1.322	1.339	1.106	1.436	1.177	1.452	1.317	1.619	1.497	1.344	0.963	1.094
LTE Band 30_Ant 2	0.434	0.162	0.290	1.461	1.497	1.537	1.377	1.288	1.560	1.197	1.340	1.339	1.556	1.348	1.496	1.393	1.410	1.177	1.507	1.248	1.523	1.388	1.690	1.568	1.415	1.034	1.165
LTE Band 41_Ant 2	0.180	0.162	0.290	1.207	1.243	1.283	1.123	1.034	1.306	0.943	1.086	1.085	1.302	1.094	1.242	1.139	1.156	0.923	1.253	0.994	1.269	1.134	1.436	1.314	1.161	0.780	0.911
LTE Band 48_Ant 2	0.221	0.162	0.290	1.248	1.284	1.324	1.164	1.075	1.347	0.984	1.127	1.126	1.343	1.135	1.283	1.180	1.197	0.964	1.294	1.035	1.310	1.175	1.477	1.355	1.202	0.821	0.952
LTE Band 66_Ant 2	0.400	0.162	0.290	1.427	1.463	1.503	1.343	1.254	1.526	1.163	1.306	1.305	1.522	1.314	1.462	1.359	1.376	1.143	1.473	1.214	1.489	1.354	1.656	1.534	1.381	1.000	1.131
FR1 n7_Ant 2	0.262	0.162	0.290	1.289	1.325	1.365	1.205	1.116	1.388	1.025	1.168	1.167	1.384	1.176	1.324	1.221	1.238	1.005	1.335	1.076	1.351	1.216	1.518	1.396	1.243	0.862	0.993
FR1 n25_Ant 2	0.452	0.162	0.290	1.479	1.515	1.555	1.395	1.306	1.578	1.215	1.358	1.357	1.574	1.366	1.514	1.411	1.428	1.195	1.525	1.266	1.541	1.406	1.708	1.586	1.433	1.052	1.183
FR1 n30_Ant 2	0.343	0.162	0.290	1.370	1.406	1.446	1.286	1.197	1.469	1.106	1.249	1.248	1.465	1.257	1.405	1.302	1.319	1.086	1.416	1.157	1.432	1.297	1.599	1.477	1.324	0.943	1.074
FR1 n41_Ant 2	0.272	0.162	0.290	1.299	1.335	1.375	1.215	1.126	1.398	1.035	1.178	1.177	1.394	1.186	1.334	1.231	1.248	1.015	1.345	1.086	1.361	1.226	1.528	1.406	1.253	0.872	1.003
FR1 n48_Ant 2	0.254	0.162	0.290	1.281	1.317	1.357	1.197	1.108	1.380	1.017	1.160	1.159	1.376	1.168	1.316	1.213	1.230	0.997	1.327	1.068	1.343	1.208	1.510	1.388	1.235	0.854	0.985
FR1 n66_Ant 2	0.378	0.162	0.290	1.405	1.441	1.481	1.321	1.232	1.504	1.141	1.284	1.283	1.500	1.292	1.440	1.337	1.354	1.121	1.451	1.192	1.467	1.332	1.634	1.512	1.359	0.978	1.109
FR1 n70_Ant 2	0.372	0.162	0.290	1.399	1.435	1.475	1.315	1.226	1.498	1.135	1.278	1.277	1.494	1.286	1.434	1.331	1.348	1.115	1.445	1.186	1.461	1.326	1.628	1.506	1.353	0.972	1.103
FR1 n77_Ant 2	0.326	0.162	0.290	1.353	1.389	1.429	1.269	1.180	1.452	1.089	1.232	1.231	1.448	1.240	1.388	1.285	1.302	1.069	1.399	1.140	1.415	1.280	1.582	1.460	1.307	0.926	1.057

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+WLAN5/6GHz_Ant 4+3(3)	0.885	53.2	246.9	-174.1	59.5	1.34	0.03	Not required
WWAN_Ant 2	0.452	64.2	305.4	-173.9				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.885	54.1	246.6	-173.7	94.3	1.34	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.885	54.1	246.6	-173.7	94.4	1.34	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.885	38.4	257.0	-174.7	54.1	1.34	0.03	Not required
WWAN_Ant 2	0.452	58.7	307.1	-175.0				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.885	38.4	257.0	-174.7	80.8	1.34	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 0+WLAN5/6GHz_Ant 4+3(3)	0.885	38.4	257.0	-174.7	78.9	1.34	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 2	0.452	57.8	315.3	-174.5	37.7	0.90	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 2	0.452	57.8	315.3	-174.5	46.8	0.90	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				

<Case 12>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.804	53.2	246.9	-174.1	74.4	1.66	0.03	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 4	0.855	58.3	321.1	-173.7				

<Case 13>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.804	53.2	246.9	-174.1	74.4	1.65	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	0.843	58.3	321.1	-173.7				

<Case 14>

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

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	FR 1 n7 Ant 0	FR 1 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
Left Cheek	1g SAR (W/kg)			0.575	0.611	0.651	0.491	0.402	0.674	0.311	0.454	0.453	0.670	0.462	0.610	0.507	0.524	0.291	0.621	0.362	0.637	0.502	0.804	0.682	0.529	0.148	0.279
LTE Band 2_Ant 5	0.304	0.162	0.290	1.331	1.367	1.407	1.247	1.158	1.430	1.067	1.210	1.209	1.426	1.218	1.366	1.263	1.280	1.047	1.377	1.118	1.393	1.258	1.560	1.438	1.285	0.904	1.035
LTE Band 66_Ant 5	0.360	0.162	0.290	1.387	1.423	1.463	1.303	1.214	1.486	1.123	1.266	1.265	1.482	1.274	1.422	1.319	1.336	1.103	1.433	1.174	1.449	1.314	1.616	1.494	1.341	0.960	1.091
FR1 n77_Ant 5	0.380	0.162	0.290	1.407	1.443	1.483	1.323	1.234	1.506	1.143	1.286	1.285	1.502	1.294	1.442	1.339	1.356	1.123	1.453	1.194	1.469	1.334	1.636	1.514	1.361	0.980	1.111

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 + WLAN5/6G_Ant 3	0.966	38.4	257.0	-174.7	67.1	1.35	0.02	Not required
WWAN_Ant 5	0.380	58.3	321.1	-173.7				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.966	38.4	257.0	-174.7	78.9	1.42	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 5	0.380	56.9	321.6	-173.9	33.7	0.83	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.452	27.1	336.9	-177.7				

<Case 15>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.717	56.3	-247.2	-176.6	72.3	1.60	0.03	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 3	0.878	56.8	-319.5	-174.2				

<Case 16>

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	0.717	48.9	-257.3	-175.6	61.1	1.80	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.078	53.5	-318.2	-174.9				

<Case 17>

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	0.717	48.9	-257.3	-175.6	61.1	1.79	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.071	53.5	-318.2	-174.9				

<Case 18>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.792	52.5	250.2	-174.6	69.8	1.66	0.03	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.863	-1.0	294.9	-170.5				

<Case 19>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.792	52.5	250.2	-174.6	69.8	1.64	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	0.851	-1.0	294.9	-170.5				

<Case 20>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.787	0.792	0.555
GSM850_Ant 1	0.388	0.162	0.290	1.627	1.632	1.395
WCDMA V_Ant 1	0.370	0.162	0.290	1.609	1.614	1.377
LTE Band 2_Ant 1	0.253	0.162	0.290	1.492	1.497	1.260
LTE Band 12_Ant 1	0.293	0.162	0.290	1.532	1.537	1.300
LTE Band 13_Ant 1	0.321	0.162	0.290	1.560	1.565	1.328
LTE Band 14_Ant 1	0.351	0.162	0.290	1.590	1.595	1.358
LTE Band 26_Ant 1	0.316	0.162	0.290	1.555	1.560	1.323
LTE Band 66_Ant 1	0.258	0.162	0.290	1.497	1.502	1.265
LTE Band 71_Ant 1	0.315	0.162	0.290	1.554	1.559	1.322
FR1 n12_Ant 1	0.215	0.162	0.290	1.454	1.459	1.222
FR1 n26_Ant 1	0.341	0.162	0.290	1.580	1.585	1.348
FR1 n71_Ant 1	0.239	0.162	0.290	1.478	1.483	1.246
FR1 n77_Ant 1	0.131	0.162	0.290	1.370	1.375	1.138

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 6+WLAN5/6GHz Ant_4+3(3)	0.873	52.5	250.2	-174.6	69.8	1.26	0.02	Not required
WWAN_Ant 1	0.388	-1.0	294.9	-170.5				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	52.5	250.2	-174.6	90.4	1.33	0.02	Not required
WLAN5/6GHz Ant_4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	52.5	250.2	-174.6	90.5	1.33	0.02	Not required
WLAN5/6GHz Ant_4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	38.4	257.0	-174.7	54.8	1.26	0.03	Not required
WWAN_Ant 1	0.388	-1.0	294.9	-170.5				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	38.4	257.0	-174.7	80.8	1.33	0.02	Not required
WLAN5/6GHz Ant_4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	38.4	257.0	-174.7	78.9	1.33	0.02	Not required
WLAN5/6GHz Ant_4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 1	0.388	0.2	296.5	-170.9	49.0	0.84	0.02	Not required
WLAN5/6GHz Ant_4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 1	0.388	0.2	296.5	-170.9	38.3	0.84	0.02	Not required
WLAN5/6GHz Ant_4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				

<Case 21>

Hybrid SPLSR calculation for antenna 2 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 2	0.717	48.9	-257.3	-175.6	48.6	1.65	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3 + BT_Ant 4	0.928	56.9	-305.2	-175.5				

<Case 22>

Hybrid SPLSR calculation for antenna 2 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 2	0.717	51.9	-252.8	-174.9	52.6	1.64	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3 + BT_Ant 4	0.921	56.9	-305.2	-175.5				

<Case 23>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.792	52.5	250.2	-174.6	56.4	1.72	0.04	Not required
WWAN_Ant 2 + WLAN2.4GHz_Ant 4	0.927	64.2	305.4	-173.9				

<Case 24>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.792	52.5	250.2	-174.6	56.4	1.71	0.04	Not required
WWAN_Ant 2 + WLAN5/6GHz_Ant 4 + BT_Ant 4	0.915	64.2	305.4	-173.9				

<Case 25>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.787	0.792	0.555
GSM1900_Ant 2	0.309	0.162	0.290	1.548	1.553	1.316
WCDMA II_Ant 2	0.377	0.162	0.290	1.616	1.621	1.384
WCDMA IV_Ant 2	0.316	0.162	0.290	1.555	1.560	1.323
LTE Band 7_Ant 2	0.222	0.162	0.290	1.461	1.466	1.229
LTE Band 25_Ant 2	0.363	0.162	0.290	1.602	1.607	1.370
LTE Band 30_Ant 2	0.434	0.162	0.290	1.673	1.678	1.441
LTE Band 41_Ant 2	0.180	0.162	0.290	1.419	1.424	1.187
LTE Band 48_Ant 2	0.221	0.162	0.290	1.460	1.465	1.228
LTE Band 66_Ant 2	0.400	0.162	0.290	1.639	1.644	1.407
FR1 n7_Ant 2	0.262	0.162	0.290	1.501	1.506	1.269
FR1 n25_Ant 2	0.452	0.162	0.290	1.691	1.696	1.459
FR1 n30_Ant 2	0.343	0.162	0.290	1.582	1.587	1.350
FR1 n41_Ant 2	0.272	0.162	0.290	1.511	1.516	1.279
FR1 n48_Ant 2	0.254	0.162	0.290	1.493	1.498	1.261
FR1 n66_Ant 2	0.378	0.162	0.290	1.617	1.622	1.385
FR1 n70_Ant 2	0.372	0.162	0.290	1.611	1.616	1.379
FR1 n77_Ant 2	0.326	0.162	0.290	1.565	1.570	1.333

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 6+WLAN5/6GHz_Ant 4+3(3)	0.873	52.5	250.2	-174.6	56.4	1.33	0.03	Not required
WWAN_Ant 2	0.452	62.8	305.7	-174.2				
WWAN_Ant 6+WLAN5/6GHz_Ant 4+3(3)	0.873	52.5	250.2	-174.6	90.4	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 6+WLAN5/6GHz_Ant 4+3(3)	0.873	52.5	250.2	-174.6	90.5	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 6+WLAN5/6GHz_Ant 4+3(3)	0.873	38.4	257.0	-174.7	54.1	1.33	0.03	Not required
WWAN_Ant 2	0.452	58.7	307.1	-175.0				
WWAN_Ant 6+WLAN5/6GHz_Ant 4+3(3)	0.873	38.4	257.0	-174.7	80.8	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 6+WLAN5/6GHz_Ant 4+3(3)	0.873	38.4	257.0	-174.7	78.9	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 2	0.452	57.8	315.3	-174.5	37.7	0.90	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 2	0.452	57.8	315.3	-174.5	46.8	0.90	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				

<Case 26>

Hybrid SPLSR calculation for antenna 6 and antenna (5+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.792	52.5	250.2	-174.6	71.1	1.65	0.03	Not required
WWAN_Ant 5 + WLAN5/6GHz Ant_4	0.855	58.3	321.1	-173.7				

<Case 27>

Hybrid SPLSR calculation for antenna 6 and antenna (5+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.792	52.5	250.2	-174.6	71.1	1.64	0.03	Not required
WWAN_Ant 5 + WLAN5/6GHz Ant_4 + BT_Ant 4	0.843	58.3	321.1	-173.7				

<Case 28>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.787	0.792	0.555
LTE Band 2_Ant 5	0.304	0.162	0.290	1.543	1.548	1.311
LTE Band 66_Ant 5	0.360	0.162	0.290	1.599	1.604	1.367
FR1 n77_Ant 5	0.380	0.162	0.290	1.619	1.624	1.387

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 6+WLAN5/6GHz Ant_4+3(3)	0.873	51.2	248.6	-174.5	73.2	1.25	0.02	Not required
WWAN_Ant 5	0.380	56.9	321.6	-173.9				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	52.5	250.2	-174.6	90.4	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	52.5	250.2	-174.6	90.5	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	38.4	257.0	-174.7	67.1	1.25	0.02	Not required
WWAN_Ant 5	0.380	58.3	321.1	-173.7				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	38.4	257.0	-174.7	80.8	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 6+WLAN5/6GHz Ant_4+3(3)	0.873	38.4	257.0	-174.7	78.9	1.33	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				
WWAN_Ant 5	0.380	56.9	321.6	-173.9	33.7	0.83	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	27.1	336.9	-177.7				
WWAN_Ant 5	0.380	56.9	321.6	-173.9	44.1	0.83	0.02	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.452	14.1	332.1	-173.9				

<Case 29>

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

Exposure Position	WWAN SAR	WLAN 2.4GH z Ant 3	WLAN 5/6GH z 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
Left Cheek	1g SAR (W/kg)			0.575	0.611	0.651	0.491	0.402	0.674	0.311	0.454	0.453	0.670	0.462	0.610	0.507	0.524	0.291	0.621	0.362	0.637	0.502	0.804	0.682	0.529	0.148	0.279
GSM850_Ant 1	0.388	0.159	0.347	1.469	1.505	1.545	1.385	1.296	1.568	1.205	1.348	1.347	1.564	1.356	1.504	1.401	1.418	1.185	1.515	1.256	1.531	1.396	1.698	1.576	1.423	1.042	1.173
WCDMA V_Ant 1	0.370	0.159	0.347	1.451	1.487	1.527	1.367	1.278	1.550	1.187	1.330	1.329	1.546	1.338	1.486	1.383	1.400	1.167	1.497	1.238	1.513	1.378	1.680	1.558	1.405	1.024	1.155
LTE Band 2_Ant 1	0.253	0.159	0.347	1.334	1.370	1.410	1.250	1.161	1.433	1.070	1.213	1.212	1.429	1.221	1.369	1.266	1.283	1.050	1.380	1.121	1.396	1.261	1.563	1.441	1.288	0.907	1.038
LTE Band 12_Ant 1	0.293	0.159	0.347	1.374	1.410	1.450	1.290	1.201	1.473	1.110	1.253	1.252	1.469	1.261	1.409	1.306	1.323	1.090	1.420	1.161	1.436	1.301	1.603	1.481	1.328	0.947	1.078
LTE Band 13_Ant 1	0.321	0.159	0.347	1.402	1.438	1.478	1.318	1.229	1.501	1.138	1.281	1.280	1.497	1.289	1.437	1.334	1.351	1.118	1.448	1.189	1.464	1.329	1.631	1.509	1.356	0.975	1.106
LTE Band 14_Ant 1	0.351	0.159	0.347	1.432	1.468	1.508	1.348	1.259	1.531	1.168	1.311	1.310	1.527	1.319	1.467	1.364	1.381	1.148	1.478	1.219	1.494	1.359	1.661	1.539	1.386	1.005	1.136
LTE Band 26_Ant 1	0.316	0.159	0.347	1.397	1.433	1.473	1.313	1.224	1.496	1.133	1.276	1.275	1.492	1.284	1.432	1.329	1.346	1.113	1.443	1.184	1.459	1.324	1.626	1.504	1.351	0.970	1.101
LTE Band 66_Ant 1	0.258	0.159	0.347	1.339	1.375	1.415	1.255	1.166	1.438	1.075	1.218	1.217	1.434	1.226	1.374	1.271	1.288	1.055	1.385	1.126	1.401	1.266	1.568	1.446	1.293	0.912	1.043
LTE Band 71_Ant 1	0.315	0.159	0.347	1.396	1.432	1.472	1.312	1.223	1.495	1.132	1.275	1.274	1.491	1.283	1.431	1.328	1.345	1.112	1.442	1.183	1.458	1.323	1.625	1.503	1.350	0.969	1.100
FR1 n12_Ant 1	0.215	0.159	0.347	1.296	1.332	1.372	1.212	1.123	1.395	1.032	1.175	1.174	1.391	1.183	1.331	1.228	1.245	1.012	1.342	1.083	1.358	1.223	1.525	1.403	1.250	0.869	1.000
FR1 n26_Ant 1	0.341	0.159	0.347	1.422	1.458	1.498	1.338	1.249	1.521	1.158	1.301	1.300	1.517	1.309	1.457	1.354	1.371	1.138	1.468	1.209	1.484	1.349	1.651	1.529	1.376	0.995	1.126
FR1 n71_Ant 1	0.239	0.159	0.347	1.320	1.356	1.396	1.236	1.147	1.419	1.056	1.199	1.198	1.415	1.207	1.355	1.252	1.269	1.036	1.366	1.107	1.382	1.247	1.549	1.427	1.274	0.893	1.024
FR1 n77_Ant 1	0.131	0.159	0.347	1.212	1.248	1.288	1.128	1.039	1.311	0.948	1.091	1.090	1.307	1.099	1.247	1.144	1.161	0.928	1.258	0.999	1.274	1.139	1.441	1.319	1.166	0.785	0.916

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 + WLAN2.4G_Ant 3	0.963	28.4	255.2	-171.8	49.4	1.35	0.03	Not required
WWAN_Ant 1	0.388	-1.0	294.9	-170.5				
WWAN_Ant 0 + WLAN2.4G_Ant 3	0.963	28.4	255.2	-171.8	80.2	1.31	0.02	Not required
WLAN5/6G_Ant 4	0.347	22.2	335.1	-174.2				
WWAN_Ant 1	0.388	0.2	296.5	-170.9	44.6	0.74	0.01	Not required
WLAN5/6G_Ant 4	0.347	22.2	335.1	-174.2				



<Case 30>

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	GSM 850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Cheek	1g SAR (W/kg)			0.575	0.611	0.651	0.491	0.402	0.674	0.311	0.454	0.453	0.670	0.462	0.610	0.507	0.524	0.291	0.621	0.362	0.637	0.502	0.804	0.682	0.529	0.148	0.279
GSM1900_Ant 2	0.309	0.159	0.347	1.390	1.426	1.466	1.306	1.217	1.489	1.126	1.269	1.268	1.485	1.277	1.425	1.322	1.339	1.106	1.436	1.177	1.452	1.317	1.619	1.497	1.344	0.963	1.094
WCDMA II_Ant 2	0.377	0.159	0.347	1.458	1.494	1.534	1.374	1.285	1.557	1.194	1.337	1.336	1.553	1.345	1.493	1.390	1.407	1.174	1.504	1.245	1.520	1.385	1.687	1.565	1.412	1.031	1.162
WCDMA IV_Ant 2	0.316	0.159	0.347	1.397	1.433	1.473	1.313	1.224	1.496	1.133	1.276	1.275	1.492	1.284	1.432	1.329	1.346	1.113	1.443	1.184	1.459	1.324	1.626	1.504	1.351	0.970	1.101
LTE Band 7_Ant 2	0.222	0.159	0.347	1.303	1.339	1.379	1.219	1.130	1.402	1.039	1.182	1.181	1.398	1.190	1.338	1.235	1.252	1.019	1.349	1.090	1.365	1.230	1.532	1.410	1.257	0.876	1.007
LTE Band 25_Ant 2	0.363	0.159	0.347	1.444	1.480	1.520	1.360	1.271	1.543	1.180	1.323	1.322	1.539	1.331	1.479	1.376	1.393	1.160	1.490	1.231	1.506	1.371	1.673	1.551	1.398	1.017	1.148
LTE Band 30_Ant 2	0.434	0.159	0.347	1.515	1.551	1.591	1.431	1.342	1.614	1.251	1.394	1.393	1.610	1.402	1.550	1.447	1.464	1.231	1.561	1.302	1.577	1.442	1.744	1.622	1.469	1.088	1.219
LTE Band 41_Ant 2	0.180	0.159	0.347	1.261	1.297	1.337	1.177	1.088	1.360	0.997	1.140	1.139	1.356	1.148	1.296	1.193	1.210	0.977	1.307	1.048	1.323	1.188	1.490	1.368	1.215	0.834	0.965
LTE Band 48_Ant 2	0.221	0.159	0.347	1.302	1.338	1.378	1.218	1.129	1.401	1.038	1.181	1.180	1.397	1.189	1.337	1.234	1.251	1.018	1.348	1.089	1.364	1.229	1.531	1.409	1.256	0.875	1.006
LTE Band 66_Ant 2	0.400	0.159	0.347	1.481	1.517	1.557	1.397	1.308	1.580	1.217	1.360	1.359	1.576	1.368	1.516	1.413	1.430	1.197	1.527	1.268	1.543	1.408	1.710	1.588	1.435	1.054	1.185
FR1 n7_Ant 2	0.262	0.159	0.347	1.343	1.379	1.419	1.259	1.170	1.442	1.079	1.222	1.221	1.438	1.230	1.378	1.275	1.292	1.059	1.389	1.130	1.405	1.270	1.572	1.450	1.297	0.916	1.047
FR1 n25_Ant 2	0.452	0.159	0.347	1.533	1.569	1.609	1.449	1.360	1.632	1.269	1.412	1.411	1.628	1.420	1.568	1.465	1.482	1.249	1.579	1.320	1.595	1.460	1.762	1.640	1.487	1.106	1.237
FR1 n30_Ant 2	0.343	0.159	0.347	1.424	1.460	1.500	1.340	1.251	1.523	1.160	1.303	1.302	1.519	1.311	1.459	1.356	1.373	1.140	1.470	1.211	1.486	1.351	1.653	1.531	1.378	0.997	1.128
FR1 n41_Ant 2	0.272	0.159	0.347	1.353	1.389	1.429	1.269	1.180	1.452	1.089	1.232	1.231	1.448	1.240	1.388	1.285	1.302	1.069	1.399	1.140	1.415	1.280	1.582	1.460	1.307	0.926	1.057
FR1 n48_Ant 2	0.254	0.159	0.347	1.335	1.371	1.411	1.251	1.162	1.434	1.071	1.214	1.213	1.430	1.222	1.370	1.267	1.284	1.051	1.381	1.122	1.397	1.262	1.564	1.442	1.289	0.908	1.039
FR1 n66_Ant 2	0.378	0.159	0.347	1.459	1.495	1.535	1.375	1.286	1.558	1.195	1.338	1.337	1.554	1.346	1.494	1.391	1.408	1.175	1.505	1.246	1.521	1.386	1.688	1.566	1.413	1.032	1.163
FR1 n70_Ant 2	0.372	0.159	0.347	1.453	1.489	1.529	1.369	1.280	1.552	1.189	1.332	1.331	1.548	1.340	1.488	1.385	1.402	1.169	1.499	1.240	1.515	1.380	1.682	1.560	1.407	1.026	1.157
FR1 n77_Ant 2	0.326	0.159	0.347	1.407	1.443	1.483	1.323	1.234	1.506	1.143	1.286	1.285	1.502	1.294	1.442	1.339	1.356	1.123	1.453	1.194	1.469	1.334	1.636	1.514	1.361	0.980	1.111

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+WLAN2.4GHz_Ant 3	0.963	50.7	250.8	-174.8	56.2	1.42	0.03	Not required
WWAN_Ant 2	0.452	62.8	305.7	-174.2				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.963	54.0	245.0	-173.8	95.5	1.31	0.02	Not required
WLAN5/6GHz_Ant 4	0.347	22.2	335.1	-174.2				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.963	28.4	255.2	-171.8	60.2	1.42	0.03	Not required
WWAN_Ant 2	0.452	58.7	307.1	-175.0				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.963	28.4	255.2	-171.8	80.2	1.31	0.02	Not required
WLAN5/6GHz_Ant 4	0.347	22.2	335.1	-174.2				
WWAN_Ant 2	0.452	57.8	315.3	-174.5	40.7	0.80	0.02	Not required
WLAN5/6GHz_Ant 4	0.347	22.2	335.1	-174.2				

<Case 31>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4	GSM 850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Cheek	1g SAR (W/kg)			0.575	0.611	0.651	0.491	0.402	0.674	0.311	0.454	0.453	0.670	0.462	0.610	0.507	0.524	0.291	0.621	0.362	0.637	0.502	0.804	0.682	0.529	0.148	0.279
LTE Band 2_Ant 5	0.304	0.159	0.347	1.385	1.421	1.461	1.301	1.212	1.484	1.121	1.264	1.263	1.480	1.272	1.420	1.317	1.334	1.101	1.431	1.172	1.447	1.312	1.614	1.492	1.339	0.958	1.089
LTE Band 66_Ant 5	0.360	0.159	0.347	1.441	1.477	1.517	1.357	1.268	1.540	1.177	1.320	1.319	1.536	1.328	1.476	1.373	1.390	1.157	1.487	1.228	1.503	1.368	1.670	1.548	1.395	1.014	1.145
FR1 n77_Ant 5	0.380	0.159	0.347	1.461	1.497	1.537	1.377	1.288	1.560	1.197	1.340	1.339	1.556	1.348	1.496	1.393	1.410	1.177	1.507	1.248	1.523	1.388	1.690	1.568	1.415	1.034	1.165

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 + WLAN2.4G_Ant 3	0.963	28.4	255.2	-171.8	56.3	1.34	0.03	Not required
WWAN_Ant 5	0.380	6.9	307.2	-173.0				
WWAN_Ant 0 + WLAN2.4G_Ant 3	0.963	28.4	255.2	-171.8	80.2	1.31	0.02	Not required
WLAN5/6G_Ant 4	0.347	22.2	335.1	-174.2				
WWAN_Ant 5	0.380	6.9	307.2	-173.0	31.8	0.73	0.02	Not required
WLAN5/6G_Ant 4	0.347	22.2	335.1	-174.2				

<Case 32>

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	0.717	48.9	-257.3	-175.6	58.4	1.70	0.04	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	0.984	0.5	-289.5	-170.2				

<Case 33>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.787	0.792	0.555
GSM850_Ant 1	0.388	0.159	0.347	1.681	1.686	1.449
WCDMA V_Ant 1	0.370	0.159	0.347	1.663	1.668	1.431
LTE Band 2_Ant 1	0.253	0.159	0.347	1.546	1.551	1.314
LTE Band 12_Ant 1	0.293	0.159	0.347	1.586	1.591	1.354
LTE Band 13_Ant 1	0.321	0.159	0.347	1.614	1.619	1.382
LTE Band 14_Ant 1	0.351	0.159	0.347	1.644	1.649	1.412
LTE Band 26_Ant 1	0.316	0.159	0.347	1.609	1.614	1.377
LTE Band 66_Ant 1	0.258	0.159	0.347	1.551	1.556	1.319
LTE Band 71_Ant 1	0.315	0.159	0.347	1.608	1.613	1.376
FR1 n12_Ant 1	0.215	0.159	0.347	1.508	1.513	1.276
FR1 n26_Ant 1	0.341	0.159	0.347	1.634	1.639	1.402
FR1 n71_Ant 1	0.239	0.159	0.347	1.532	1.537	1.300
FR1 n77_Ant 1	0.131	0.159	0.347	1.424	1.429	1.192

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 6+WLAN2.4GHz Ant_3	0.951	52.5	250.2	-174.6	69.8	1.34	0.02	Not required
WWAN_Ant 1	0.388	-1.0	294.9	-170.5				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	52.5	250.2	-174.6	90.1	1.30	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	28.4	255.2	-171.8	49.4	1.34	0.03	Not required
WWAN_Ant 1	0.388	-1.0	294.9	-170.5				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	28.4	255.2	-171.8	80.2	1.30	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				
WWAN_Ant 1	0.388	0.2	296.5	-170.9	44.6	0.74	0.01	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				

<Case 34>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.787	0.792	0.555
GSM1900_Ant 2	0.309	0.159	0.347	1.602	1.607	1.370
WCDMA II_Ant 2	0.377	0.159	0.347	1.670	1.675	1.438
WCDMA IV_Ant 2	0.316	0.159	0.347	1.609	1.614	1.377
LTE Band 7_Ant 2	0.222	0.159	0.347	1.515	1.520	1.283
LTE Band 25_Ant 2	0.363	0.159	0.347	1.656	1.661	1.424
LTE Band 30_Ant 2	0.434	0.159	0.347	1.727	1.732	1.495
LTE Band 41_Ant 2	0.180	0.159	0.347	1.473	1.478	1.241
LTE Band 48_Ant 2	0.221	0.159	0.347	1.514	1.519	1.282
LTE Band 66_Ant 2	0.400	0.159	0.347	1.693	1.698	1.461
FR1 n7_Ant 2	0.262	0.159	0.347	1.555	1.560	1.323
FR1 n25_Ant 2	0.452	0.159	0.347	1.745	1.750	1.513
FR1 n30_Ant 2	0.343	0.159	0.347	1.636	1.641	1.404
FR1 n41_Ant 2	0.272	0.159	0.347	1.565	1.570	1.333
FR1 n48_Ant 2	0.254	0.159	0.347	1.547	1.552	1.315
FR1 n66_Ant 2	0.378	0.159	0.347	1.671	1.676	1.439
FR1 n70_Ant 2	0.372	0.159	0.347	1.665	1.670	1.433
FR1 n77_Ant 2	0.326	0.159	0.347	1.619	1.624	1.387

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 6+WLAN2.4GHz Ant_3	0.951	52.5	250.2	-174.6	56.4	1.40	0.03	Not required
WWAN_Ant 2	0.452	64.2	305.4	-173.9				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	52.5	250.2	-174.6	90.1	1.30	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	28.4	255.2	-171.8	60.2	1.40	0.03	Not required
WWAN_Ant 2	0.452	58.7	307.1	-175.0				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	28.4	255.2	-171.8	80.2	1.30	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				
WWAN_Ant 2	0.452	57.8	315.3	-174.5	40.7	0.80	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				

<Case 35>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.787	0.792	0.555
LTE Band 2_Ant 5	0.304	0.159	0.347	1.597	1.602	1.365
LTE Band 66_Ant 5	0.360	0.159	0.347	1.653	1.658	1.421
FR1 n77_Ant 5	0.380	0.159	0.347	1.673	1.678	1.441

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 6+WLAN2.4GHz Ant_3	0.951	52.5	250.2	-174.6	71.1	1.33	0.02	Not required
WWAN_Ant 5	0.380	58.3	321.1	-173.7				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	52.5	250.2	-174.6	90.1	1.30	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	28.4	255.2	-171.8	56.3	1.33	0.03	Not required
WWAN_Ant 5	0.380	6.9	307.2	-173.0				
WWAN_Ant 6+WLAN2.4GHz Ant_3	0.951	28.4	255.2	-171.8	80.2	1.30	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				
WWAN_Ant 5	0.380	6.9	307.2	-173.0	31.8	0.73	0.02	Not required
WLAN5/6GHz Ant_4	0.347	22.2	335.1	-174.2				

<Case 36>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz 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 48_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n48_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2	FR1 n77_Ant 2
Front	1g SAR (W/kg)		0.661	0.678	0.675	0.323	0.541	0.641	0.222	0.274	0.657	0.384	0.536	0.589	0.387	0.258	0.594	0.595	0.346
GSM850_Ant 0	0.548	0.363	1.572	1.589	1.586	1.234	1.452	1.552	1.133	1.185	1.568	1.295	1.447	1.500	1.298	1.169	1.505	1.506	1.257
GSM1900_Ant 0	0.526	0.363	1.550	1.567	1.564	1.212	1.430	1.530	1.111	1.163	1.546	1.273	1.425	1.478	1.276	1.147	1.483	1.484	1.235
WCDMA II_Ant 0	0.449	0.363	1.473	1.490	1.487	1.135	1.353	1.453	1.034	1.086	1.469	1.196	1.348	1.401	1.199	1.070	1.406	1.407	1.158
WCDMA IV_Ant 0	0.441	0.363	1.465	1.482	1.479	1.127	1.345	1.445	1.026	1.078	1.461	1.188	1.340	1.393	1.191	1.062	1.398	1.399	1.150
WCDMA V_Ant 0	0.413	0.363	1.437	1.454	1.451	1.099	1.317	1.417	0.998	1.050	1.433	1.160	1.312	1.365	1.163	1.034	1.370	1.371	1.122
LTE Band 7_Ant 0	0.527	0.363	1.551	1.568	1.565	1.213	1.431	1.531	1.112	1.164	1.547	1.274	1.426	1.479	1.277	1.148	1.484	1.485	1.236
LTE Band 12_Ant 0	0.417	0.363	1.441	1.458	1.455	1.103	1.321	1.421	1.002	1.054	1.437	1.164	1.316	1.369	1.167	1.038	1.374	1.375	1.126
LTE Band 13_Ant 0	0.481	0.363	1.505	1.522	1.519	1.167	1.385	1.485	1.066	1.118	1.501	1.228	1.380	1.433	1.231	1.102	1.438	1.439	1.190
LTE Band 14_Ant 0	0.459	0.363	1.483	1.500	1.497	1.145	1.363	1.463	1.044	1.096	1.479	1.206	1.358	1.411	1.209	1.080	1.416	1.417	1.168
LTE Band 25_Ant 0	0.524	0.363	1.548	1.565	1.562	1.210	1.428	1.528	1.109	1.161	1.544	1.271	1.423	1.476	1.274	1.145	1.481	1.482	1.233
LTE Band 26_Ant 0	0.508	0.363	1.532	1.549	1.546	1.194	1.412	1.512	1.093	1.145	1.528	1.255	1.407	1.460	1.258	1.129	1.465	1.466	1.217
LTE Band 30_Ant 0	0.552	0.363	1.576	1.593	1.590	1.238	1.456	1.556	1.137	1.189	1.572	1.299	1.451	1.504	1.302	1.173	1.509	1.510	1.261
LTE Band 41_Ant 0	0.426	0.363	1.450	1.467	1.464	1.112	1.330	1.430	1.011	1.063	1.446	1.173	1.325	1.378	1.176	1.047	1.383	1.384	1.135
LTE Band 66_Ant 0	0.501	0.363	1.525	1.542	1.539	1.187	1.405	1.505	1.086	1.138	1.521	1.248	1.400	1.453	1.251	1.122	1.458	1.459	1.210
LTE Band 71_Ant 0	0.400	0.363	1.424	1.441	1.438	1.086	1.304	1.404	0.985	1.037	1.420	1.147	1.299	1.352	1.150	1.021	1.357	1.358	1.109
FR1 n7_Ant 0	0.497	0.363	1.521	1.538	1.535	1.183	1.401	1.501	1.082	1.134	1.517	1.244	1.396	1.449	1.247	1.118	1.454	1.455	1.206
FR1 n12_Ant 0	0.442	0.363	1.466	1.483	1.480	1.128	1.346	1.446	1.027	1.079	1.462	1.189	1.341	1.394	1.192	1.063	1.399	1.400	1.151
FR1 n25_Ant 0	0.528	0.363	1.552	1.569	1.566	1.214	1.432	1.532	1.113	1.165	1.548	1.275	1.427	1.480	1.278	1.149	1.485	1.486	1.237
FR1 n26_Ant 0	0.466	0.363	1.490	1.507	1.504	1.152	1.370	1.470	1.051	1.103	1.486	1.213	1.365	1.418	1.216	1.087	1.423	1.424	1.175
FR1 n30_Ant 0	0.560	0.363	1.584	1.601	1.598	1.246	1.464	1.564	1.145	1.197	1.580	1.307	1.459	1.512	1.310	1.181	1.517	1.518	1.269
FR1 n41_Ant 0	0.390	0.363	1.414	1.431	1.428	1.076	1.294	1.394	0.975	1.027	1.410	1.137	1.289	1.342	1.140	1.011	1.347	1.348	1.099
FR1 n66_Ant 0	0.618	0.363	1.642	1.659	1.656	1.304	1.522	1.622	1.203	1.255	1.638	1.365	1.517	1.570	1.368	1.239	1.575	1.576	1.327
FR1 n70_Ant 0	0.442	0.363	1.466	1.483	1.480	1.128	1.346	1.446	1.027	1.079	1.462	1.189	1.341	1.394	1.192	1.063	1.399	1.400	1.151
FR1 n71_Ant 0	0.393	0.363	1.417	1.434	1.431	1.079	1.297	1.397	0.978	1.030	1.413	1.140	1.292	1.345	1.143	1.014	1.350	1.351	1.102

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	0.618	-22.9	-51.9	-209.1	35.2	1.30	0.04	Not required
WWAN_Ant 2	0.678	11.1	-60.8	-207.0				
WWAN_Ant 0	0.618	-22.9	-51.9	-209.1	133.6	0.98	0.01	Not required
WLAN2.4GHz Ant 4	0.363	-5.0	80.5	-207.0				
WWAN_Ant 2	0.678	12.1	-59.6	-207.0	141.1	1.04	0.01	Not required
WLAN2.4GHz Ant 4	0.363	-5.0	80.5	-207.0				

<Case 37>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.721	-25	51.5	-207	89.0	1.61	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4	0.891	-24.5	-37.5	-207				

<Case 38>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz 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 48_Ant 2	LTE Band 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n48_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2	FR1 n77_Ant 2
Front	1g SAR (W/kg)			0.661	0.678	0.675	0.323	0.541	0.641	0.222	0.274	0.657	0.384	0.536	0.589	0.387	0.258	0.594	0.595	0.346
GSM850_Ant 0	0.548	0.128	0.185	1.522	1.539	1.536	1.184	1.402	1.502	1.083	1.135	1.518	1.245	1.397	1.450	1.248	1.119	1.455	1.456	1.207
GSM1900_Ant 0	0.526	0.128	0.185	1.500	1.517	1.514	1.162	1.380	1.480	1.061	1.113	1.496	1.223	1.375	1.428	1.226	1.097	1.433	1.434	1.185
WCDMA II_Ant 0	0.449	0.128	0.185	1.423	1.440	1.437	1.085	1.303	1.403	0.984	1.036	1.419	1.146	1.298	1.351	1.149	1.020	1.356	1.357	1.108
WCDMA IV_Ant 0	0.441	0.128	0.185	1.415	1.432	1.429	1.077	1.295	1.395	0.976	1.028	1.411	1.138	1.290	1.343	1.141	1.012	1.348	1.349	1.100
WCDMA V_Ant 0	0.413	0.128	0.185	1.387	1.404	1.401	1.049	1.267	1.367	0.948	1.000	1.383	1.110	1.262	1.315	1.113	0.984	1.320	1.321	1.072
LTE Band 7_Ant 0	0.527	0.128	0.185	1.501	1.518	1.515	1.163	1.381	1.481	1.062	1.114	1.497	1.224	1.376	1.429	1.227	1.098	1.434	1.435	1.186
LTE Band 12_Ant 0	0.417	0.128	0.185	1.391	1.408	1.405	1.053	1.271	1.371	0.952	1.004	1.387	1.114	1.266	1.319	1.117	0.988	1.324	1.325	1.076
LTE Band 13_Ant 0	0.481	0.128	0.185	1.455	1.472	1.469	1.117	1.335	1.435	1.016	1.068	1.451	1.178	1.330	1.383	1.181	1.052	1.388	1.389	1.140
LTE Band 14_Ant 0	0.459	0.128	0.185	1.433	1.450	1.447	1.095	1.313	1.413	0.994	1.046	1.429	1.156	1.308	1.361	1.159	1.030	1.366	1.367	1.118
LTE Band 25_Ant 0	0.524	0.128	0.185	1.498	1.515	1.512	1.160	1.378	1.478	1.059	1.111	1.494	1.221	1.373	1.426	1.224	1.095	1.431	1.432	1.183
LTE Band 26_Ant 0	0.508	0.128	0.185	1.482	1.499	1.496	1.144	1.362	1.462	1.043	1.095	1.478	1.205	1.357	1.410	1.208	1.079	1.415	1.416	1.167
LTE Band 30_Ant 0	0.552	0.128	0.185	1.526	1.543	1.540	1.188	1.406	1.506	1.087	1.139	1.522	1.249	1.401	1.454	1.252	1.123	1.459	1.460	1.211
LTE Band 41_Ant 0	0.426	0.128	0.185	1.400	1.417	1.414	1.062	1.280	1.380	0.961	1.013	1.396	1.123	1.275	1.328	1.126	0.997	1.333	1.334	1.085
LTE Band 66_Ant 0	0.501	0.128	0.185	1.475	1.492	1.489	1.137	1.355	1.455	1.036	1.088	1.471	1.198	1.350	1.403	1.201	1.072	1.408	1.409	1.160
LTE Band 71_Ant 0	0.400	0.128	0.185	1.374	1.391	1.388	1.036	1.254	1.354	0.935	0.987	1.370	1.097	1.249	1.302	1.100	0.971	1.307	1.308	1.059
FR1 n7_Ant 0	0.497	0.128	0.185	1.471	1.488	1.485	1.133	1.351	1.451	1.032	1.084	1.467	1.194	1.346	1.399	1.197	1.068	1.404	1.405	1.156
FR1 n12_Ant 0	0.442	0.128	0.185	1.416	1.433	1.430	1.078	1.296	1.396	0.977	1.029	1.412	1.139	1.291	1.344	1.142	1.013	1.349	1.350	1.101
FR1 n25_Ant 0	0.528	0.128	0.185	1.502	1.519	1.516	1.164	1.382	1.482	1.063	1.115	1.498	1.225	1.377	1.430	1.228	1.099	1.435	1.436	1.187
FR1 n26_Ant 0	0.466	0.128	0.185	1.440	1.457	1.454	1.102	1.320	1.420	1.001	1.053	1.436	1.163	1.315	1.368	1.166	1.037	1.373	1.374	1.125
FR1 n30_Ant 0	0.560	0.128	0.185	1.534	1.551	1.548	1.196	1.414	1.514	1.095	1.147	1.530	1.257	1.409	1.462	1.260	1.131	1.467	1.468	1.219
FR1 n41_Ant 0	0.390	0.128	0.185	1.364	1.381	1.378	1.026	1.244	1.344	0.925	0.977	1.360	1.087	1.239	1.292	1.090	0.961	1.297	1.298	1.049
FR1 n66_Ant 0	0.618	0.128	0.185	1.592	1.609	1.606	1.254	1.472	1.572	1.153	1.205	1.588	1.315	1.467	1.520	1.318	1.189	1.525	1.526	1.277
FR1 n70_Ant 0	0.442	0.128	0.185	1.416	1.433	1.430	1.078	1.296	1.396	0.977	1.029	1.412	1.139	1.291	1.344	1.142	1.013	1.349	1.350	1.101
FR1 n71_Ant 0	0.393	0.128	0.185	1.367	1.384	1.381	1.029	1.247	1.347	0.928	0.980	1.363	1.090	1.242	1.295	1.093	0.964	1.300	1.301	1.052

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	0.618	-22.9	-51.9	-209.1	35.9	1.30	0.04	Not required
WWAN_Ant 2	0.678	12.1	-59.6	-207.0				
WWAN_Ant 0	0.618	-22.9	-51.9	-209.1	92.1	0.75	0.01	Not required
WLAN2.4GHz Ant 3	0.128	-66.0	29.5	-207.0				
WWAN_Ant 0	0.618	-22.9	-51.9	-209.1	127.6	0.80	0.01	Not required
WLAN5/6GHz Ant 4	0.185	-7.4	74.7	-207.0				
WWAN_Ant 2	0.678	12.1	-59.6	-207.0	118.5	0.81	0.01	Not required
WLAN2.4GHz Ant 3	0.128	-66.0	29.5	-207.0				
WWAN_Ant 2	0.678	12.1	-59.6	-207.0	135.7	0.86	0.01	Not required
WLAN5/6GHz Ant 4	0.185	-7.4	74.7	-207.0				
WLAN2.4GHz Ant 3	0.128	-66.0	29.5	-207.0	74.0	0.31	0.00	Not required
WLAN5/6GHz Ant 4	0.185	-7.4	74.7	-207.0				

**<Case 39>**

Hybrid SPLSR calculation for antenna 2 and antenna (0+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	0.650	-53.6	-60.3	-207.0	57.9	1.68	0.04	Not required
WWAN_Ant 0 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.031	-3.0	-32.2	-209.2				

<Case 40>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.721	-25	51.5	-207	89.0	1.62	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/64G_Ant 4	0.898	-24.5	-37.5	-207				

<Case 41>

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	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.548	0.526	0.449	0.441	0.413	0.527	0.417	0.481	0.459	0.524	0.508	0.552	0.426	0.501	0.400	0.497	0.442	0.528	0.466	0.560	0.390	0.618	0.442	0.393
GSM1900_Ant 2	0.661	0.150	0.196	1.555	1.533	1.456	1.448	1.420	1.534	1.424	1.488	1.466	1.531	1.515	1.559	1.433	1.508	1.407	1.504	1.449	1.535	1.473	1.567	1.397	1.625	1.449	1.400
WCDMA II_Ant 2	0.678	0.150	0.196	1.572	1.550	1.473	1.465	1.437	1.551	1.441	1.505	1.483	1.548	1.532	1.576	1.450	1.525	1.424	1.521	1.466	1.552	1.490	1.584	1.414	1.642	1.466	1.417
WCDMA IV_Ant 2	0.675	0.150	0.196	1.569	1.547	1.470	1.462	1.434	1.548	1.438	1.502	1.480	1.545	1.529	1.573	1.447	1.522	1.421	1.518	1.463	1.549	1.487	1.581	1.411	1.639	1.463	1.414
LTE Band 7_Ant 2	0.323	0.150	0.196	1.217	1.195	1.118	1.110	1.082	1.196	1.086	1.150	1.128	1.193	1.177	1.221	1.095	1.170	1.069	1.166	1.111	1.197	1.135	1.229	1.059	1.287	1.111	1.062
LTE Band 25_Ant 2	0.541	0.150	0.196	1.435	1.413	1.336	1.328	1.300	1.414	1.304	1.368	1.346	1.411	1.395	1.439	1.313	1.388	1.287	1.384	1.329	1.415	1.353	1.447	1.277	1.505	1.329	1.280
LTE Band 30_Ant 2	0.641	0.150	0.196	1.535	1.513	1.436	1.428	1.400	1.514	1.404	1.468	1.446	1.511	1.495	1.539	1.413	1.488	1.387	1.484	1.429	1.515	1.453	1.547	1.377	1.605	1.429	1.380
LTE Band 41_Ant 2	0.222	0.150	0.196	1.116	1.094	1.017	1.009	0.981	1.095	0.985	1.049	1.027	1.092	1.076	1.120	0.994	1.069	0.968	1.065	1.010	1.096	1.034	1.128	0.958	1.186	1.010	0.961
LTE Band 48_Ant 2	0.274	0.150	0.196	1.168	1.146	1.069	1.061	1.033	1.147	1.037	1.101	1.079	1.144	1.128	1.172	1.046	1.121	1.020	1.117	1.062	1.148	1.086	1.180	1.010	1.238	1.062	1.013
LTE Band 66_Ant 2	0.657	0.150	0.196	1.551	1.529	1.452	1.444	1.416	1.530	1.420	1.484	1.462	1.527	1.511	1.555	1.429	1.504	1.403	1.500	1.445	1.531	1.469	1.563	1.393	1.621	1.445	1.396
FR1 n7_Ant 2	0.384	0.150	0.196	1.278	1.256	1.179	1.171	1.143	1.257	1.147	1.211	1.189	1.254	1.238	1.282	1.156	1.231	1.130	1.227	1.172	1.258	1.196	1.290	1.120	1.348	1.172	1.123
FR1 n25_Ant 2	0.536	0.150	0.196	1.430	1.408	1.331	1.323	1.295	1.409	1.299	1.363	1.341	1.406	1.390	1.434	1.308	1.383	1.282	1.379	1.324	1.410	1.348	1.442	1.272	1.500	1.324	1.275
FR1 n30_Ant 2	0.589	0.150	0.196	1.483	1.461	1.384	1.376	1.348	1.462	1.352	1.416	1.394	1.459	1.443	1.487	1.361	1.436	1.335	1.432	1.377	1.463	1.401	1.495	1.325	1.553	1.377	1.328
FR1 n41_Ant 2	0.387	0.150	0.196	1.281	1.259	1.182	1.174	1.146	1.260	1.150	1.214	1.192	1.257	1.241	1.285	1.159	1.234	1.133	1.230	1.175	1.261	1.199	1.293	1.123	1.351	1.175	1.126
FR1 n48_Ant 2	0.258	0.150	0.196	1.152	1.130	1.053	1.045	1.017	1.131	1.021	1.085	1.063	1.128	1.112	1.156	1.030	1.105	1.004	1.101	1.046	1.132	1.070	1.164	0.994	1.222	1.046	0.997
FR1 n66_Ant 2	0.594	0.150	0.196	1.488	1.466	1.389	1.381	1.353	1.467	1.357	1.421	1.399	1.464	1.448	1.492	1.366	1.441	1.340	1.437	1.382	1.468	1.406	1.500	1.330	1.558	1.382	1.333
FR1 n70_Ant 2	0.595	0.150	0.196	1.489	1.467	1.390	1.382	1.354	1.468	1.358	1.422	1.400	1.465	1.449	1.493	1.367	1.442	1.341	1.438	1.383	1.469	1.407	1.501	1.331	1.559	1.383	1.334
FR1 n77_Ant 2	0.346	0.150	0.196	1.240	1.218	1.141	1.133	1.105	1.219	1.109	1.173	1.151	1.216	1.200	1.244	1.118	1.193	1.092	1.189	1.134	1.220	1.158	1.252	1.082	1.310	1.134	1.085

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	0.618	-22.9	-51.9	-209.1	35.2	1.30	0.04	Not required
WWAN_Ant 2	0.678	11.1	-60.8	-207.0				
WWAN_Ant 0	0.618	-22.9	-51.9	-209.1	92.4	0.77	0.01	Not required
WLAN5/6G_Ant 3	0.150	-59.2	33.0	-207.0				
WWAN_Ant 0	0.618	-22.9	-51.9	-209.1	115.3	0.89	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.269	-20.2	63.3	-207.0				
WWAN_Ant 2	0.678	12.1	-59.6	-207.0	116.9	0.83	0.01	Not required
WLAN5/6G_Ant 3	0.150	-59.2	33.0	-207.0				
WWAN_Ant 2	0.678	12.1	-59.6	-207.0	127.1	0.95	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.269	-20.2	63.3	-207.0				
WLAN5/6G_Ant 3	0.150	-59.2	33.0	-207.0	49.4	0.42	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.269	-20.2	63.3	-207.0				

<Case 42>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.650	-54.6	-58.8	-207.0	58.1	1.62	0.04	Not required
WWAN_Ant 0 + WLAN5/6G_Ant 4 + BT_Ant 4	0.971	-3.0	-32.2	-209.2				

<Case 43>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.650	-53.6	-60.3	-207.0	57.9	1.64	0.04	Not required
WWAN_Ant 0 + WLAN5/6G_Ant 4+3 + BT_Ant 4	0.988	-3.0	-32.2	-209.2				

<Case 44>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.721	-25.0	51.5	-207.0	54.7	1.60	0.04	Not required
WWAN_Ant 0 + WLAN5/6G_Ant 4 + BT_Ant 4	0.883	-24.9	-3.2	-207.0				

<Case 45>

Hybrid SPLSR calculation for antenna 6 and antenna (4+5)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.721	-25	51.5	-207	83.9	1.68	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	0.958	-24.4	-32.4	-207				

<Case 46>

Hybrid SPLSR calculation for antenna 6 and antenna (3+4+5)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.721	-25	51.5	-207	89.0	1.61	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.892	-24.5	-37.5	-207				

<Case 47>

Hybrid SPLSR calculation for antenna 6 and antenna (3+4+5)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.721	-25	51.5	-207	89.0	1.63	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	0.911	-24.5	-37.5	-207				

<Case 48>

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 0	0.991	-48.5	-62.5	-207	56.0	1.79	0.04	Not required
WWAN_Ant 2	0.795	7.5	-62	-207				

<Case 49>

SPLSR calculation for antenna 0,5

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.991	-48.5	-62.5	-207	111.6	1.75	0.02	Not required
WWAN_Ant 5	0.761	13.4	30.4	-207				
WWAN_Ant 0	0.674	-31.3	-1.8	-207	57.1	1.67	0.04	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.606	-48.1	-26.6	-207	85.6	1.60	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.609	-18.2	-59.8	-207	95.8	1.60	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.777	-46	-65	-207	113.3	1.77	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.62	-23.5	-6	-207	53.5	1.61	0.04	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.633	-26.2	-2.2	-207	53.2	1.63	0.04	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.659	-49.6	-27.6	-207	87.3	1.65	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.78	-40.5	-60.5	-207	106.5	1.77	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.712	-46	-61	-207	110.0	1.71	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.776	-20.2	-59.1	-207	95.9	1.77	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.794	-45.5	-59	-207	108.1	1.79	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.603	-48.6	-32.1	-207	89.6	1.60	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.789	-43	-65	-207	111.7	1.78	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.991	-48.5	-62.5	-207	112.6	1.98	0.02	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				
WWAN_Ant 0	0.797	-22.9	-51.9	-209.1	90.5	1.79	0.03	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				

<Case 50>

SPLSR calculation for antenna 2,5

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.795	8.1	-55.3	-207	85.2	1.79	0.03	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207				

<Case 51>

SPLSR calculation for antenna 5,6

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.993	16.5	29.5	-207	109.4	1.77	0.02	Not required
WWAN_Ant 6	0.778	-45	-61	-207				

<Case 52>

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 0	0.857	-54.6	-58.8	-207	58.1	1.82	0.04	Not required
WWAN_Ant 2	0.96	-3	-32.2	-209.2				

<Case 53>

SPLSR calculation for antenna 0,5

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.857	-58	25	-207	94.4	1.68	0.02	Not required
WWAN_Ant 5	0.82	8.5	-42	-207				

<Case 54>

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 1	0.642	-54	-68.5	-207	150.2	1.60	0.01	Not required
WWAN_Ant 2	0.96	3	70.5	-207				

<Case 55>

SPLSR calculation for antenna 2,5

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.96	-54.6	-58.8	-207	83.9	1.78	0.03	Not required
WWAN_Ant 5	0.82	-58	25	-207				

<Case 56>

SPLSR calculation for antenna 2,6

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.96	-54.6	-58.8	-207	65.7	1.74	0.04	Not required
WWAN_Ant 6	0.783	9.5	-44.5	-207				

<Case 57>

SPLSR calculation for antenna 5,6

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.82	-58	25	-207	96.9	1.60	0.02	Not required
WWAN_Ant 6	0.783	9.5	-44.5	-207				

<Case 58>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-48.5	-62.5	-207.0	134.5	1.68	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.853	-47.5	72.0	-207.0				

<Case 59>

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	0.824	-48.5	-62.5	-207.0	97.0	1.60	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	0.775	-58.2	34.0	-207.0				

<Case 60>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	15.0	-39.5	-207.0	110.7	1.67	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.954	3.0	70.5	-207.0				

<Case 61>

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	0.713	15.0	-39.5	-207.0	107.9	1.61	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4+3	0.895	-12.0	65.0	-207.0				

<Case 62>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	15.0	-39.5	-207.0	110.7	1.70	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	0.986	3.0	70.5	-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	0.713	7.6	-28.1	-207.0	55.1	1.74	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	1.027	4.8	26.9	-207.0				

<Case 64>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-48.5	-62.5	-207.0	53.4	1.78	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4	0.960	4.5	-69.0	-207.0				

<Case 65>

Hybrid SPLSR calculation for antenna 0 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 0	0.824	-48.5	-62.5	-207.0	56.0	1.70	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4+3	0.876	7.5	-62.0	-207.0				

<Case 66>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-48.5	-62.5	-207.0	57.1	1.66	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4	0.838	8.1	-55.3	-207.0				

<Case 67>

Hybrid SPLSR calculation for antenna 0 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 0	0.824	-48.5	-62.5	-207.0	56.0	1.71	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4+3	0.882	7.5	-62.0	-207.0				

<Case 68>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	4.3	-64.4	-207.0	58.0	1.77	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4	1.057	-53.5	-69.0	-207.0				

<Case 69>

Hybrid SPLSR calculation for antenna 0 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 0	0.713	4.3	-64.4	-207.0	58.4	1.71	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4+3	0.998	-54.0	-68.5	-207.0				

<Case 70>

SPLSR calculation for antenna 0+2+4

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	-9.4	-78.1	-207.0	45.6	1.46	0.04	Not required
WWAN_Ant 2	0.745	-54.0	-68.5	-207.0				
WWAN_Ant 0	0.713	-9.4	-78.1	-207.0	139.8	1.06	0.01	Not required
WLAN5/6G_Ant 4	0.344	-52.1	55.0	-207.0				
WWAN_Ant 2	0.745	-54.0	-68.5	-207.0	123.5	1.09	0.01	Not required
WLAN5/6G_Ant 4	0.344	-52.1	55.0	-207.0				



<Case 71>

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)	0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469	
GSM1900_Ant 2	0.561	0.385	1.433	1.562	1.523	1.379	1.403	1.364	1.399	1.411	1.434	1.440	1.425	1.351	1.370	1.364	1.419	1.427	1.417	1.465	1.428	1.589	1.659	1.477	1.469	1.415
WCDMA II_Ant 2	0.536	0.385	1.408	1.537	1.498	1.354	1.378	1.339	1.374	1.386	1.409	1.415	1.400	1.326	1.345	1.339	1.394	1.402	1.392	1.440	1.403	1.564	1.634	1.452	1.444	1.390
WCDMA IV_Ant 2	0.509	0.385	1.381	1.510	1.471	1.327	1.351	1.312	1.347	1.359	1.382	1.388	1.373	1.299	1.318	1.312	1.367	1.375	1.365	1.413	1.376	1.537	1.607	1.425	1.417	1.363
LTE Band 7_Ant 2	0.571	0.385	1.443	1.572	1.533	1.389	1.413	1.374	1.409	1.421	1.444	1.450	1.435	1.361	1.380	1.374	1.429	1.437	1.427	1.475	1.438	1.599	1.669	1.487	1.479	1.425
LTE Band 25_Ant 2	0.479	0.385	1.351	1.480	1.441	1.297	1.321	1.282	1.317	1.329	1.352	1.358	1.343	1.269	1.288	1.282	1.337	1.345	1.335	1.383	1.346	1.507	1.577	1.395	1.387	1.333
LTE Band 30_Ant 2	0.527	0.385	1.399	1.528	1.489	1.345	1.369	1.330	1.365	1.377	1.400	1.406	1.391	1.317	1.336	1.330	1.385	1.393	1.383	1.431	1.394	1.555	1.625	1.443	1.435	1.381
LTE Band 41_Ant 2	0.745	0.385	1.617	1.746	1.707	1.563	1.587	1.548	1.583	1.595	1.618	1.624	1.609	1.535	1.554	1.548	1.603	1.611	1.601	1.649	1.612	1.773	1.843	1.661	1.653	1.599
LTE Band 48_Ant 2	0.510	0.385	1.382	1.511	1.472	1.328	1.352	1.313	1.348	1.360	1.383	1.389	1.374	1.300	1.319	1.313	1.368	1.376	1.366	1.414	1.377	1.538	1.608	1.426	1.418	1.364
LTE Band 66_Ant 2	0.555	0.385	1.427	1.556	1.517	1.373	1.397	1.358	1.393	1.405	1.428	1.434	1.419	1.345	1.364	1.358	1.413	1.421	1.411	1.459	1.422	1.583	1.653	1.471	1.463	1.409
FR1 n7_Ant 2	0.686	0.385	1.558	1.687	1.648	1.504	1.528	1.489	1.524	1.536	1.559	1.565	1.550	1.476	1.495	1.489	1.544	1.552	1.542	1.590	1.553	1.714	1.784	1.602	1.594	1.540
FR1 n25_Ant 2	0.566	0.385	1.438	1.567	1.528	1.384	1.408	1.369	1.404	1.416	1.439	1.445	1.430	1.356	1.375	1.369	1.424	1.432	1.422	1.470	1.433	1.594	1.664	1.482	1.474	1.420
FR1 n30_Ant 2	0.644	0.385	1.516	1.645	1.606	1.462	1.486	1.447	1.482	1.494	1.517	1.523	1.508	1.434	1.453	1.447	1.502	1.510	1.500	1.548	1.511	1.672	1.742	1.560	1.552	1.498
FR1 n41_Ant 2	0.720	0.385	1.592	1.721	1.682	1.538	1.562	1.523	1.558	1.570	1.593	1.599	1.584	1.510	1.529	1.523	1.578	1.586	1.576	1.624	1.587	1.748	1.818	1.636	1.628	1.574
FR1 n48_Ant 2	0.519	0.385	1.391	1.520	1.481	1.337	1.361	1.322	1.357	1.369	1.392	1.398	1.383	1.309	1.328	1.322	1.377	1.385	1.375	1.423	1.386	1.547	1.617	1.435	1.427	1.373
FR1 n66_Ant 2	0.608	0.385	1.480	1.609	1.570	1.426	1.450	1.411	1.446	1.458	1.481	1.487	1.472	1.398	1.417	1.411	1.466	1.474	1.464	1.512	1.475	1.636	1.706	1.524	1.516	1.462
FR1 n70_Ant 2	0.650	0.385	1.522	1.651	1.612	1.468	1.492	1.453	1.488	1.500	1.523	1.529	1.514	1.440	1.459	1.453	1.508	1.516	1.506	1.554	1.517	1.678	1.748	1.566	1.558	1.504
FR1 n77_Ant 2	0.491	0.385	1.363	1.492	1.453	1.309	1.333	1.294	1.329	1.341	1.364	1.370	1.355	1.281	1.300	1.294	1.349	1.357	1.347	1.395	1.358	1.519	1.589	1.407	1.399	1.345

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	0.713	-8.9	-76.1	-207.0	44.1	1.46	0.04	Not required
WWAN_Ant 2	0.745	-53.0	-75.0	-207.0				
WWAN_Ant 0	0.713	-7.2	6.5	-207.0	23.7	0.97	0.04	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.2	1.10	0.02	Not required
WLAN5/6G_Ant 4	0.385	-51.1	55.5	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	104.3	1.00	0.01	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	114.4	1.13	0.01	Not required
WLAN5/6G_Ant 4	0.385	-51.1	55.5	-207.0				
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0	62.8	0.64	0.01	Not required
WLAN5/6G_Ant 4	0.385	-51.1	55.5	-207.0				

<Case 72>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-40.5	-60.5	-207.0	105.7	1.82	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 4	0.996	13.4	30.4	-207.0				

<Case 73>

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	0.824	-48.5	-62.5	-207.0	94.3	1.74	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 4+3	0.912	-64.0	30.5	-207.0				

<Case 74>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-48.5	-62.5	-207.0	111.6	1.70	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4	0.874	13.4	30.4	-207.0				

<Case 75>

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	0.824	-48.5	-62.5	-207.0	97.0	1.74	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3	0.918	-58.2	34.0	-207.0				

<Case 76>

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	0.713	15.0	-39.5	-207.0	67.2	1.61	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3	0.892	4.8	26.9	-207.0				

<Case 77>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	139.0	1.70	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.954	-47.5	80.0	-207.0				

<Case 78>

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	0.745	-54.0	-68.5	-207.0	140.0	1.64	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4+3	0.895	-12.0	65.0	-207.0				

<Case 79>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	113.8	1.73	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	0.986	-52.1	55.0	-207.0				

<Case 80>

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	0.745	-54.6	-58.8	-207.0	104.3	1.77	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	1.027	4.8	26.9	-207.0				

<Case 81>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	115.2	1.64	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.954	3	70.5	-207				

<Case 82>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	115.2	1.67	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	0.986	3	70.5	-207				

<Case 83>

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	0.683	9.5	-44.5	-207	71.6	1.71	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	1.027	4.8	26.9	-207				

<Case 84>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-54	-68.5	-207	96.7	1.60	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4	0.851	-64.4	27.6	-207				

<Case 85>

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	0.745	-54	-68.5	-207	93.6	1.64	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3	0.892	-58	25	-207				

<Case 86>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44	-63	-207	53.5	1.64	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4	0.960	8.8	-71.4	-207				

<Case 87>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	67.1	1.74	0.03	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4	1.057	-55.9	-59.6	-207				

<Case 88>

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	0.683	9.5	-44.5	-207	67.6	1.68	0.03	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4+3	0.998	-53.5	-69	-207				

<Case 89>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	67.1	1.77	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4	1.089	-55.9	-59.6	-207				

<Case 90>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	67.1	1.81	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4+3	1.13	-55.9	-59.6	-207				

<Case 91>

Hybrid SPLSR calculation for antenna 6 and antenna (5+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44	-63	-207	109.6	1.68	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 4	0.996	13.4	30.4	-207				

<Case 92>

Hybrid SPLSR calculation for antenna 6 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 6	0.679	-44	-63	-207	98.0	1.60	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3	0.918	-58.2	34	-207				

<Case 93>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-48.5	-62.5	-207.0	93.6	1.62	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	0.799	-66.0	29.5	-207.0				

<Case 94>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	7.6	-28.1	-207.0	95.1	1.74	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.026	-12.0	65.0	-207.0				

<Case 95>

Hybrid SPLSR calculation for antenna 0 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 0	0.824	-48.5	-62.5	-207.0	56.0	1.73	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	0.906	7.5	-62.0	-207.0				



<Case 96>

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	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)			0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469
GSM1900_Ant 2	0.561	0.122	0.262	1.432	1.561	1.522	1.378	1.402	1.363	1.398	1.410	1.433	1.439	1.424	1.350	1.369	1.363	1.418	1.426	1.416	1.464	1.427	1.588	1.658	1.476	1.468	1.414
WCDMA II_Ant 2	0.536	0.122	0.262	1.407	1.536	1.497	1.353	1.377	1.338	1.373	1.385	1.408	1.414	1.399	1.325	1.344	1.338	1.393	1.401	1.391	1.439	1.402	1.563	1.633	1.451	1.443	1.389
WCDMA IV_Ant 2	0.509	0.122	0.262	1.380	1.509	1.470	1.326	1.350	1.311	1.346	1.358	1.381	1.387	1.372	1.298	1.317	1.311	1.366	1.374	1.364	1.412	1.375	1.536	1.606	1.424	1.416	1.362
LTE Band 7_Ant 2	0.571	0.122	0.262	1.442	1.571	1.532	1.388	1.412	1.373	1.408	1.420	1.443	1.449	1.434	1.360	1.379	1.373	1.428	1.436	1.426	1.474	1.437	1.598	1.668	1.486	1.478	1.424
LTE Band 25_Ant 2	0.479	0.122	0.262	1.350	1.479	1.440	1.296	1.320	1.281	1.316	1.328	1.351	1.357	1.342	1.268	1.287	1.281	1.336	1.344	1.334	1.382	1.345	1.506	1.576	1.394	1.386	1.332
LTE Band 30_Ant 2	0.527	0.122	0.262	1.398	1.527	1.488	1.344	1.368	1.329	1.364	1.376	1.399	1.405	1.390	1.316	1.335	1.329	1.384	1.392	1.382	1.430	1.393	1.554	1.624	1.442	1.434	1.380
LTE Band 41_Ant 2	0.745	0.122	0.262	1.616	1.745	1.706	1.562	1.586	1.547	1.582	1.594	1.617	1.623	1.608	1.534	1.553	1.547	1.602	1.610	1.600	1.648	1.611	1.772	1.842	1.660	1.652	1.598
LTE Band 48_Ant 2	0.510	0.122	0.262	1.381	1.510	1.471	1.327	1.351	1.312	1.347	1.359	1.382	1.388	1.373	1.299	1.318	1.312	1.367	1.375	1.365	1.413	1.376	1.537	1.607	1.425	1.417	1.363
LTE Band 66_Ant 2	0.555	0.122	0.262	1.426	1.555	1.516	1.372	1.396	1.357	1.392	1.404	1.427	1.433	1.418	1.344	1.363	1.357	1.412	1.420	1.410	1.458	1.421	1.582	1.652	1.470	1.462	1.408
FR1 n7_Ant 2	0.686	0.122	0.262	1.557	1.686	1.647	1.503	1.527	1.488	1.523	1.535	1.558	1.564	1.549	1.475	1.494	1.488	1.543	1.551	1.541	1.589	1.552	1.713	1.783	1.601	1.593	1.539
FR1 n25_Ant 2	0.566	0.122	0.262	1.437	1.566	1.527	1.383	1.407	1.368	1.403	1.415	1.438	1.444	1.429	1.355	1.374	1.368	1.423	1.431	1.421	1.469	1.432	1.593	1.663	1.481	1.473	1.419
FR1 n30_Ant 2	0.644	0.122	0.262	1.515	1.644	1.605	1.461	1.485	1.446	1.481	1.493	1.516	1.522	1.507	1.433	1.452	1.446	1.501	1.509	1.499	1.547	1.510	1.671	1.741	1.559	1.551	1.497
FR1 n41_Ant 2	0.720	0.122	0.262	1.591	1.720	1.681	1.537	1.561	1.522	1.557	1.569	1.592	1.598	1.583	1.509	1.528	1.522	1.577	1.585	1.575	1.623	1.586	1.747	1.817	1.635	1.627	1.573
FR1 n48_Ant 2	0.519	0.122	0.262	1.390	1.519	1.480	1.336	1.360	1.321	1.356	1.368	1.391	1.397	1.382	1.308	1.327	1.321	1.376	1.384	1.374	1.422	1.385	1.546	1.616	1.434	1.426	1.372
FR1 n66_Ant 2	0.608	0.122	0.262	1.479	1.608	1.569	1.425	1.449	1.410	1.445	1.457	1.480	1.486	1.471	1.397	1.416	1.410	1.465	1.473	1.463	1.511	1.474	1.635	1.705	1.523	1.515	1.461
FR1 n70_Ant 2	0.650	0.122	0.262	1.521	1.650	1.611	1.467	1.491	1.452	1.487	1.499	1.522	1.528	1.513	1.439	1.458	1.452	1.507	1.515	1.505	1.553	1.516	1.677	1.747	1.565	1.557	1.503
FR1 n77_Ant 2	0.491	0.122	0.262	1.362	1.491	1.452	1.308	1.332	1.293	1.328	1.340	1.363	1.369	1.354	1.280	1.299	1.293	1.348	1.356	1.346	1.394	1.357	1.518	1.588	1.406	1.398	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	0.713	-8.9	-76.1	-207.0	44.1	1.46	0.04	Not required
WWAN_Ant 2	0.745	-53.0	-75.0	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	58.3	0.84	0.01	Not required
WLAN2.4G_Ant 3	0.122	-12.0	65.0	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	68.8	0.98	0.01	Not required
WLAN5/6G_Ant 4	0.262	-59.6	53.6	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	130.9	0.87	0.01	Not required
WLAN2.4G_Ant 3	0.122	-12.0	65.0	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	112.5	1.01	0.01	Not required
WLAN5/6G_Ant 4	0.262	-59.6	53.6	-207.0				
WLAN2.4G_Ant 3	0.122	-12.0	65.0	-207.0	48.9	0.38	0.00	Not required
WLAN5/6G_Ant 4	0.262	-59.6	53.6	-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	0.824	-48.5	-62.5	-207.0	93.6	1.77	0.03	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	0.942	-66.0	29.5	-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	0.713	15.0	-39.5	-207.0	104.0	1.60	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	0.891	-64.4	27.6	-207.0				

<Case 99>

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	0.745	-54.6	-58.8	-207.0	112.5	1.77	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.026	-59.6	53.6	-207.0				

<Case 100>

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	0.683	9.5	-44.5	-207	111.6	1.71	0.02	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.026	-12	65	-207				

<Case 101>

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	0.745	-54	-68.5	-207	93.6	1.64	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	0.891	-58	25	-207				

<Case 102>

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	0.683	9.5	-44.5	-207	67.1	1.81	0.04	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.129	-55.9	-59.6	-207				

<Case 103>

Hybrid SPLSR calculation for antenna 6 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 6	0.679	-44	-63	-207	95.1	1.62	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3	0.942	-66	29.5	-207				

<Case 104>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-48.5	-62.5	-207.0	134.5	1.75	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	0.927	-47.5	72.0	-207.0				

<Case 105>

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	0.824	-48.5	-62.5	-207.0	92.4	1.65	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	0.829	-64.5	28.5	-207.0				

<Case 106>

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	0.824	-48.5	-62.5	-207.0	103.0	1.75	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	0.926	-63.1	39.5	-207.0				

<Case 107>

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	0.824	-48.5	-62.5	-207.0	92.4	1.65	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.828	-64.5	28.5	-207.0				

<Case 108>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.5	1.87	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	1.161	-52.1	55.0	-207.0				

<Case 109>

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	0.713	7.6	-28.1	-207.0	63.4	1.77	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	1.061	17.5	34.5	-207.0				



<Case 110>

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	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469
GSM850_Ant 1	0.431	0.385	0.175	1.478	1.607	1.568	1.424	1.448	1.409	1.444	1.456	1.479	1.485	1.470	1.396	1.415	1.409	1.464	1.472	1.462	1.510	1.473	1.634	1.704	1.522	1.514	1.460
WCDMA V_Ant 1	0.388	0.385	0.175	1.435	1.564	1.525	1.381	1.405	1.366	1.401	1.413	1.436	1.442	1.427	1.353	1.372	1.366	1.421	1.429	1.419	1.467	1.430	1.591	1.661	1.479	1.471	1.417
LTE Band 2_Ant 1	0.424	0.385	0.175	1.471	1.600	1.561	1.417	1.441	1.402	1.437	1.449	1.472	1.478	1.463	1.389	1.408	1.402	1.457	1.465	1.455	1.503	1.466	1.627	1.697	1.515	1.507	1.453
LTE Band 12_Ant 1	0.321	0.385	0.175	1.368	1.497	1.458	1.314	1.338	1.299	1.334	1.346	1.369	1.375	1.360	1.286	1.305	1.299	1.354	1.362	1.352	1.400	1.363	1.524	1.594	1.412	1.404	1.350
LTE Band 13_Ant 1	0.382	0.385	0.175	1.429	1.558	1.519	1.375	1.399	1.360	1.395	1.407	1.430	1.436	1.421	1.347	1.366	1.360	1.415	1.423	1.413	1.461	1.424	1.585	1.655	1.473	1.465	1.411
LTE Band 14_Ant 1	0.361	0.385	0.175	1.408	1.537	1.498	1.354	1.378	1.339	1.374	1.386	1.409	1.415	1.400	1.326	1.345	1.339	1.394	1.402	1.392	1.440	1.403	1.564	1.634	1.452	1.444	1.390
LTE Band 26_Ant 1	0.330	0.385	0.175	1.377	1.506	1.467	1.323	1.347	1.308	1.343	1.355	1.378	1.384	1.369	1.295	1.314	1.308	1.363	1.371	1.361	1.409	1.372	1.533	1.603	1.421	1.413	1.359
LTE Band 66_Ant 1	0.410	0.385	0.175	1.457	1.586	1.547	1.403	1.427	1.388	1.423	1.435	1.458	1.464	1.449	1.375	1.394	1.388	1.443	1.451	1.441	1.489	1.452	1.613	1.683	1.501	1.493	1.439
LTE Band 71_Ant 1	0.287	0.385	0.175	1.334	1.463	1.424	1.280	1.304	1.265	1.300	1.312	1.335	1.341	1.326	1.252	1.271	1.265	1.320	1.328	1.318	1.366	1.329	1.490	1.560	1.378	1.370	1.316
FR1 n12_Ant 1	0.318	0.385	0.175	1.365	1.494	1.455	1.311	1.335	1.296	1.331	1.343	1.366	1.372	1.357	1.283	1.302	1.296	1.351	1.359	1.349	1.397	1.360	1.521	1.591	1.409	1.401	1.347
FR1 n26_Ant 1	0.347	0.385	0.175	1.394	1.523	1.484	1.340	1.364	1.325	1.360	1.372	1.395	1.401	1.386	1.312	1.331	1.325	1.380	1.388	1.378	1.426	1.389	1.550	1.620	1.438	1.430	1.376
FR1 n71_Ant 1	0.276	0.385	0.175	1.323	1.452	1.413	1.269	1.293	1.254	1.289	1.301	1.324	1.330	1.315	1.241	1.260	1.254	1.309	1.317	1.307	1.355	1.318	1.479	1.549	1.367	1.359	1.305
FR1 n77_Ant 1	0.642	0.385	0.175	1.689	1.818	1.779	1.635	1.659	1.620	1.655	1.667	1.690	1.696	1.681	1.607	1.626	1.620	1.675	1.683	1.673	1.721	1.684	1.845	1.915	1.733	1.725	1.671

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	0.713	-7.2	6.5	-207.0	50.3	1.36	0.03	Not required
WWAN_Ant 1	0.642	-0.2	56.3	-207.0				
WWAN_Ant 0	0.713	-7.2	6.5	-207.0	23.7	0.97	0.04	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.2	1.27	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.560	-51.1	55.5	-207.0				
WWAN_Ant 1	0.642	-0.2	56.3	-207.0	29.8	0.90	0.03	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 1	0.642	-2.7	80.4	-207.0	49.8	1.20	0.03	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.560	-52.5	81.0	-207.0				
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0	62.8	0.82	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.560	-51.1	55.5	-207.0				

<Case 111>

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	0.713	1.6	-25.1	-207.0	52.1	1.74	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	1.027	4.8	26.9	-207.0				
WWAN_Ant 0	0.713	1.6	-25.1	-207.0	61.7	1.43	0.03	Not required
WWAN_Ant 1 + BT_Ant 3	0.717	17.5	34.5	-207.0				
WLAN5/6G_Ant 4+3	0.385	4.8	26.9	-207.0	14.8	0.46	0.02	Not required
BT_Ant 3	0.075	17.5	34.5	-207.0				

<Case 112>

SPLSR calculation for antenna 0+2+4

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-40.5	-60.5	-207.0	48.9	1.42	0.03	Not required
WWAN_Ant 2	0.597	8.1	-55.3	-207.0				
WWAN_Ant 0	0.824	-40.5	-60.5	-207.0	138.5	1.26	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.437	10.1	68.4	-207.0				
WWAN_Ant 2	0.597	8.1	-55.3	-207.0	123.7	1.03	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.437	10.1	68.4	-207.0				

<Case 113>

Hybrid SPLSR calculation for antenna 0 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 0	0.824	-48.5	-62.5	-207.0	56.0	1.76	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 3	0.936	7.5	-62.0	-207.0				

<Case 114>

SPLSR calculation for antenna 0+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 0	0.824	-40.5	-60.5	-207.0	48.9	1.42	0.03	Not required
WWAN_Ant 2	0.597	8.1	-55.3	-207.0				
WWAN_Ant 0	0.824	-40.5	-60.5	-207.0	102.5	1.26	0.01	Not required
WLAN5/6G_Ant 4+3 + BT_Ant 4	0.436	-63.1	39.5	-207.0				
WWAN_Ant 2	0.597	8.1	-55.3	-207.0	118.6	1.03	0.01	Not required
WLAN5/6G_Ant 4+3 + BT_Ant 4	0.436	-63.1	39.5	-207.0				

<Case 115>

Hybrid SPLSR calculation for antenna 0 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 0	0.824	-48.5	-62.5	-207.0	56.0	1.76	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.935	7.5	-62.0	-207.0				



FCC SAR TEST REPORT

Report No. :FA380307B

<Case 116>

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

Exposure Position	WWAN SAR	WLAN 5/GHz Ant 4	Bluetooth Ant 4	GSM850_Ant 0	GSM1900_Ant 0	WCDMA A 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)			0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469
GSM1900_Ant 2	0.561	0.344	0.175	1.567	1.696	1.657	1.513	1.537	1.498	1.533	1.545	1.568	1.574	1.559	1.485	1.504	1.498	1.553	1.561	1.551	1.599	1.562	1.723	1.793	1.611	1.603	1.549
WCDMA II_Ant 2	0.536	0.344	0.175	1.542	1.671	1.632	1.488	1.512	1.473	1.508	1.520	1.543	1.549	1.534	1.460	1.479	1.473	1.528	1.536	1.526	1.574	1.537	1.698	1.768	1.586	1.578	1.524
WCDMA IV_Ant 2	0.509	0.344	0.175	1.515	1.644	1.605	1.461	1.485	1.446	1.481	1.493	1.516	1.522	1.507	1.433	1.452	1.446	1.501	1.509	1.499	1.547	1.510	1.671	1.741	1.559	1.551	1.497
LTE Band 7_Ant 2	0.571	0.344	0.175	1.577	1.706	1.667	1.523	1.547	1.508	1.543	1.555	1.578	1.584	1.569	1.495	1.514	1.508	1.563	1.571	1.561	1.609	1.572	1.733	1.803	1.621	1.613	1.559
LTE Band 25_Ant 2	0.479	0.344	0.175	1.485	1.614	1.575	1.431	1.455	1.416	1.451	1.463	1.486	1.492	1.477	1.403	1.422	1.416	1.471	1.479	1.469	1.517	1.480	1.641	1.711	1.529	1.521	1.467
LTE Band 30_Ant 2	0.527	0.344	0.175	1.533	1.662	1.623	1.479	1.503	1.464	1.499	1.511	1.534	1.540	1.525	1.451	1.470	1.464	1.519	1.527	1.517	1.565	1.528	1.689	1.759	1.577	1.569	1.515
LTE Band 41_Ant 2	0.745	0.344	0.175	1.751	1.880	1.841	1.697	1.721	1.682	1.717	1.729	1.752	1.758	1.743	1.669	1.688	1.682	1.737	1.745	1.735	1.783	1.746	1.907	1.977	1.795	1.787	1.733
LTE Band 48_Ant 2	0.510	0.344	0.175	1.516	1.645	1.606	1.462	1.486	1.447	1.482	1.494	1.517	1.523	1.508	1.434	1.453	1.447	1.502	1.510	1.500	1.548	1.511	1.672	1.742	1.560	1.552	1.498
LTE Band 66_Ant 2	0.555	0.344	0.175	1.561	1.690	1.651	1.507	1.531	1.492	1.527	1.539	1.562	1.568	1.553	1.479	1.498	1.492	1.547	1.555	1.545	1.593	1.556	1.717	1.787	1.605	1.597	1.543
FR1 n7_Ant 2	0.686	0.344	0.175	1.692	1.821	1.782	1.638	1.662	1.623	1.658	1.670	1.693	1.699	1.684	1.610	1.629	1.623	1.678	1.686	1.676	1.724	1.687	1.848	1.918	1.736	1.728	1.674
FR1 n25_Ant 2	0.566	0.344	0.175	1.572	1.701	1.662	1.518	1.542	1.503	1.538	1.550	1.573	1.579	1.564	1.490	1.509	1.503	1.558	1.566	1.556	1.604	1.567	1.728	1.798	1.616	1.608	1.554
FR1 n30_Ant 2	0.644	0.344	0.175	1.650	1.779	1.740	1.596	1.620	1.581	1.616	1.628	1.651	1.657	1.642	1.568	1.587	1.581	1.636	1.644	1.634	1.682	1.645	1.806	1.876	1.694	1.686	1.632
FR1 n41_Ant 2	0.720	0.344	0.175	1.726	1.855	1.816	1.672	1.696	1.657	1.692	1.704	1.727	1.733	1.718	1.644	1.663	1.657	1.712	1.720	1.710	1.758	1.721	1.882	1.952	1.770	1.762	1.708
FR1 n48_Ant 2	0.519	0.344	0.175	1.525	1.654	1.615	1.471	1.495	1.456	1.491	1.503	1.526	1.532	1.517	1.443	1.462	1.456	1.511	1.519	1.509	1.557	1.520	1.681	1.751	1.569	1.561	1.507
FR1 n66_Ant 2	0.608	0.344	0.175	1.614	1.743	1.704	1.560	1.584	1.545	1.580	1.592	1.615	1.621	1.606	1.532	1.551	1.545	1.600	1.608	1.598	1.646	1.609	1.770	1.840	1.658	1.650	1.596
FR1 n70_Ant 2	0.650	0.344	0.175	1.656	1.785	1.746	1.602	1.626	1.587	1.622	1.634	1.657	1.663	1.648	1.574	1.593	1.587	1.642	1.650	1.640	1.688	1.651	1.812	1.882	1.700	1.692	1.638
FR1 n77_Ant 2	0.491	0.344	0.175	1.497	1.626	1.587	1.443	1.467	1.428	1.463	1.475	1.498	1.504	1.489	1.415	1.434	1.428	1.483	1.491	1.481	1.529	1.492	1.653	1.723	1.541	1.533	1.479

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	0.713	-8.9	-76.1	-207.0	44.1	1.46	0.04	Not required
WWAN_Ant 2	0.745	-53.0	-75.0	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.5	1.23	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.519	-52.1	55.0	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	113.8	1.26	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.519	-52.1	55.0	-207.0				



<Case 117>

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

Exposure Position	WWAN SAR	WLAN5/6 GHz Ant 4	Bluetooth Ant 3	GSM 850_Ant 0	GSM 1900_Ant 0	WCD MA II_Ant 0	WCD MA IV_Ant 0	WCD MA 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)			0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469
GSM1900_Ant 2	0.561	0.344	0.075	1.467	1.596	1.557	1.413	1.437	1.398	1.433	1.445	1.468	1.474	1.459	1.385	1.404	1.398	1.453	1.461	1.451	1.499	1.462	1.623	1.693	1.511	1.503	1.449
WCDMA II_Ant 2	0.536	0.344	0.075	1.442	1.571	1.532	1.388	1.412	1.373	1.408	1.420	1.443	1.449	1.434	1.360	1.379	1.373	1.428	1.436	1.426	1.474	1.437	1.598	1.668	1.486	1.478	1.424
WCDMA IV_Ant 2	0.509	0.344	0.075	1.415	1.544	1.505	1.361	1.385	1.346	1.381	1.393	1.416	1.422	1.407	1.333	1.352	1.346	1.401	1.409	1.399	1.447	1.410	1.571	1.641	1.459	1.451	1.397
LTE Band 7_Ant 2	0.571	0.344	0.075	1.477	1.606	1.567	1.423	1.447	1.408	1.443	1.455	1.478	1.484	1.469	1.395	1.414	1.408	1.463	1.471	1.461	1.509	1.472	1.633	1.703	1.521	1.513	1.459
LTE Band 25_Ant 2	0.479	0.344	0.075	1.385	1.514	1.475	1.331	1.355	1.316	1.351	1.363	1.386	1.392	1.377	1.303	1.322	1.316	1.371	1.379	1.369	1.417	1.380	1.541	1.611	1.429	1.421	1.367
LTE Band 30_Ant 2	0.527	0.344	0.075	1.433	1.562	1.523	1.379	1.403	1.364	1.399	1.411	1.434	1.440	1.425	1.351	1.370	1.364	1.419	1.427	1.417	1.465	1.428	1.589	1.659	1.477	1.469	1.415
LTE Band 41_Ant 2	0.745	0.344	0.075	1.651	1.780	1.741	1.597	1.621	1.582	1.617	1.629	1.652	1.658	1.643	1.569	1.588	1.582	1.637	1.645	1.635	1.683	1.646	1.807	1.877	1.695	1.687	1.633
LTE Band 48_Ant 2	0.510	0.344	0.075	1.416	1.545	1.506	1.362	1.386	1.347	1.382	1.394	1.417	1.423	1.408	1.334	1.353	1.347	1.402	1.410	1.400	1.448	1.411	1.572	1.642	1.460	1.452	1.398
LTE Band 66_Ant 2	0.555	0.344	0.075	1.461	1.590	1.551	1.407	1.431	1.392	1.427	1.439	1.462	1.468	1.453	1.379	1.398	1.392	1.447	1.455	1.445	1.493	1.456	1.617	1.687	1.505	1.497	1.443
FR1 n7_Ant 2	0.686	0.344	0.075	1.592	1.721	1.682	1.538	1.562	1.523	1.558	1.570	1.593	1.599	1.584	1.510	1.529	1.523	1.578	1.586	1.576	1.624	1.587	1.748	1.818	1.636	1.628	1.574
FR1 n25_Ant 2	0.566	0.344	0.075	1.472	1.601	1.562	1.418	1.442	1.403	1.438	1.450	1.473	1.479	1.464	1.390	1.409	1.403	1.458	1.466	1.456	1.504	1.467	1.628	1.698	1.516	1.508	1.454
FR1 n30_Ant 2	0.644	0.344	0.075	1.550	1.679	1.640	1.496	1.520	1.481	1.516	1.528	1.551	1.557	1.542	1.468	1.487	1.481	1.536	1.544	1.534	1.582	1.545	1.706	1.776	1.594	1.586	1.532
FR1 n41_Ant 2	0.720	0.344	0.075	1.626	1.755	1.716	1.572	1.596	1.557	1.592	1.604	1.627	1.633	1.618	1.544	1.563	1.557	1.612	1.620	1.610	1.658	1.621	1.782	1.852	1.670	1.662	1.608
FR1 n48_Ant 2	0.519	0.344	0.075	1.425	1.554	1.515	1.371	1.395	1.356	1.391	1.403	1.426	1.432	1.417	1.343	1.362	1.356	1.411	1.419	1.409	1.457	1.420	1.581	1.651	1.469	1.461	1.407
FR1 n66_Ant 2	0.608	0.344	0.075	1.514	1.643	1.604	1.460	1.484	1.445	1.480	1.492	1.515	1.521	1.506	1.432	1.451	1.445	1.500	1.508	1.498	1.546	1.509	1.670	1.740	1.558	1.550	1.496
FR1 n70_Ant 2	0.650	0.344	0.075	1.556	1.685	1.646	1.502	1.526	1.487	1.522	1.534	1.557	1.563	1.548	1.474	1.493	1.487	1.542	1.550	1.540	1.588	1.551	1.712	1.782	1.600	1.592	1.538
FR1 n77_Ant 2	0.491	0.344	0.075	1.397	1.526	1.487	1.343	1.367	1.328	1.363	1.375	1.398	1.404	1.389	1.315	1.334	1.328	1.383	1.391	1.381	1.429	1.392	1.553	1.623	1.441	1.433	1.379

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	0.713	-8.9	-76.1	-207.0	44.1	1.46	0.04	Not required
WWAN_Ant 2	0.745	-53.0	-75.0	-207.0				
WWAN_Ant 0	0.713	-7.2	6.5	-207.0	37.3	0.79	0.02	Not required
BT_Ant 3	0.075	17.5	34.5	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.5	1.06	0.02	Not required
WLAN5/6G_Ant 4	0.344	-52.1	55.0	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	117.9	0.82	0.01	Not required
BT_Ant 3	0.075	17.5	34.5	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	113.8	1.09	0.01	Not required
WLAN5/6G_Ant 4	0.344	-52.1	55.0	-207.0				
BT_Ant 3	0.075	17.5	34.5	-207.0	72.6	0.42	0.00	Not required
WLAN5/6G_Ant 4	0.344	-52.1	55.0	-207.0				



<Case 118>

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 A II Ant 0	WCDMA MA IV Ant 0	WCDMA MA 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)			0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469
GSM1900_Ant 2	0.561	0.385	0.175	1.608	1.737	1.698	1.554	1.578	1.539	1.574	1.586	1.609	1.615	1.600	1.526	1.545	1.539	1.594	1.602	1.592	1.640	1.603	1.764	1.834	1.652	1.644	1.590
WCDMA II_Ant 2	0.536	0.385	0.175	1.583	1.712	1.673	1.529	1.553	1.514	1.549	1.561	1.584	1.590	1.575	1.501	1.520	1.514	1.569	1.577	1.567	1.615	1.578	1.739	1.809	1.627	1.619	1.565
WCDMA IV_Ant 2	0.509	0.385	0.175	1.556	1.685	1.646	1.502	1.526	1.487	1.522	1.534	1.557	1.563	1.548	1.474	1.493	1.487	1.542	1.550	1.540	1.588	1.551	1.712	1.782	1.600	1.592	1.538
LTE Band 7_Ant 2	0.571	0.385	0.175	1.618	1.747	1.708	1.564	1.588	1.549	1.584	1.596	1.619	1.625	1.610	1.536	1.555	1.549	1.604	1.612	1.602	1.650	1.613	1.774	1.844	1.662	1.654	1.600
LTE Band 25_Ant 2	0.479	0.385	0.175	1.526	1.655	1.616	1.472	1.496	1.457	1.492	1.504	1.527	1.533	1.518	1.444	1.463	1.457	1.512	1.520	1.510	1.558	1.521	1.682	1.752	1.570	1.562	1.508
LTE Band 30_Ant 2	0.527	0.385	0.175	1.574	1.703	1.664	1.520	1.544	1.505	1.540	1.552	1.575	1.581	1.566	1.492	1.511	1.505	1.560	1.568	1.558	1.606	1.569	1.730	1.800	1.618	1.610	1.556
LTE Band 41_Ant 2	0.745	0.385	0.175	1.792	1.921	1.882	1.738	1.762	1.723	1.758	1.770	1.793	1.799	1.784	1.710	1.729	1.723	1.778	1.786	1.776	1.824	1.787	1.948	2.018	1.836	1.828	1.774
LTE Band 48_Ant 2	0.510	0.385	0.175	1.557	1.686	1.647	1.503	1.527	1.488	1.523	1.535	1.558	1.564	1.549	1.475	1.494	1.488	1.543	1.551	1.541	1.589	1.552	1.713	1.783	1.601	1.593	1.539
LTE Band 66_Ant 2	0.555	0.385	0.175	1.602	1.731	1.692	1.548	1.572	1.533	1.568	1.580	1.603	1.609	1.594	1.520	1.539	1.533	1.588	1.596	1.586	1.634	1.597	1.758	1.828	1.646	1.638	1.584
FR1 n7_Ant 2	0.686	0.385	0.175	1.733	1.862	1.823	1.679	1.703	1.664	1.699	1.711	1.734	1.740	1.725	1.651	1.670	1.664	1.719	1.727	1.717	1.765	1.728	1.889	1.959	1.777	1.769	1.715
FR1 n25_Ant 2	0.566	0.385	0.175	1.613	1.742	1.703	1.559	1.583	1.544	1.579	1.591	1.614	1.620	1.605	1.531	1.550	1.544	1.599	1.607	1.597	1.645	1.608	1.769	1.839	1.657	1.649	1.595
FR1 n30_Ant 2	0.644	0.385	0.175	1.691	1.820	1.781	1.637	1.661	1.622	1.657	1.669	1.692	1.698	1.683	1.609	1.628	1.622	1.677	1.685	1.675	1.723	1.686	1.847	1.917	1.735	1.727	1.673
FR1 n41_Ant 2	0.720	0.385	0.175	1.767	1.896	1.857	1.713	1.737	1.698	1.733	1.745	1.768	1.774	1.759	1.685	1.704	1.698	1.753	1.761	1.751	1.799	1.762	1.923	1.993	1.811	1.803	1.749
FR1 n48_Ant 2	0.519	0.385	0.175	1.566	1.695	1.656	1.512	1.536	1.497	1.532	1.544	1.567	1.573	1.558	1.484	1.503	1.497	1.552	1.560	1.550	1.598	1.561	1.722	1.792	1.610	1.602	1.548
FR1 n66_Ant 2	0.608	0.385	0.175	1.655	1.784	1.745	1.601	1.625	1.586	1.621	1.633	1.656	1.662	1.647	1.573	1.592	1.586	1.641	1.649	1.639	1.687	1.650	1.811	1.881	1.699	1.691	1.637
FR1 n70_Ant 2	0.650	0.385	0.175	1.697	1.826	1.787	1.643	1.667	1.628	1.663	1.675	1.698	1.704	1.689	1.615	1.634	1.628	1.683	1.691	1.681	1.729	1.692	1.853	1.923	1.741	1.733	1.679
FR1 n77_Ant 2	0.491	0.385	0.175	1.538	1.667	1.628	1.484	1.508	1.469	1.504	1.516	1.539	1.545	1.530	1.456	1.475	1.469	1.524	1.532	1.522	1.570	1.533	1.694	1.764	1.582	1.574	1.520

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	0.713	-8.9	-76.1	-207.0	44.1	1.46	0.04	Not required
WWAN_Ant 2	0.745	-53.0	-75.0	-207.0				
WWAN_Ant 0	0.713	-7.2	6.5	-207.0	23.7	0.97	0.04	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.2	1.27	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.560	-51.1	55.5	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	104.3	1.00	0.01	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	114.4	1.31	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.560	-51.1	55.5	-207.0				
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0	62.8	0.82	0.01	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.560	-51.1	55.5	-207.0				



<Case 119>

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 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	WCDMA IV 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)			0.487	0.616	0.577	0.433	0.457	0.418	0.453	0.465	0.488	0.494	0.479	0.405	0.424	0.418	0.473	0.481	0.471	0.519	0.482	0.643	0.713	0.531	0.523	0.469
GSM1900_Ant 2	0.561	0.385	0.075	1.508	1.637	1.598	1.454	1.478	1.439	1.474	1.486	1.509	1.515	1.500	1.426	1.445	1.439	1.494	1.502	1.492	1.540	1.503	1.664	1.734	1.552	1.544	1.490
WCDMA II_Ant 2	0.536	0.385	0.075	1.483	1.612	1.573	1.429	1.453	1.414	1.449	1.461	1.484	1.490	1.475	1.401	1.420	1.414	1.469	1.477	1.467	1.515	1.478	1.639	1.709	1.527	1.519	1.465
WCDMA IV_Ant 2	0.509	0.385	0.075	1.456	1.585	1.546	1.402	1.426	1.387	1.422	1.434	1.457	1.463	1.448	1.374	1.393	1.387	1.442	1.450	1.440	1.488	1.451	1.612	1.682	1.500	1.492	1.438
LTE Band 7_Ant 2	0.571	0.385	0.075	1.518	1.647	1.608	1.464	1.488	1.449	1.484	1.496	1.519	1.525	1.510	1.436	1.455	1.449	1.504	1.512	1.502	1.550	1.513	1.674	1.744	1.562	1.554	1.500
LTE Band 25_Ant 2	0.479	0.385	0.075	1.426	1.555	1.516	1.372	1.396	1.357	1.392	1.404	1.427	1.433	1.418	1.344	1.363	1.357	1.412	1.420	1.410	1.458	1.421	1.582	1.652	1.470	1.462	1.408
LTE Band 30_Ant 2	0.527	0.385	0.075	1.474	1.603	1.564	1.420	1.444	1.405	1.440	1.452	1.475	1.481	1.466	1.392	1.411	1.405	1.460	1.468	1.458	1.506	1.469	1.630	1.700	1.518	1.510	1.456
LTE Band 41_Ant 2	0.745	0.385	0.075	1.692	1.821	1.782	1.638	1.662	1.623	1.658	1.670	1.693	1.699	1.684	1.610	1.629	1.623	1.678	1.686	1.676	1.724	1.687	1.848	1.918	1.736	1.728	1.674
LTE Band 48_Ant 2	0.510	0.385	0.075	1.457	1.586	1.547	1.403	1.427	1.388	1.423	1.435	1.458	1.464	1.449	1.375	1.394	1.388	1.443	1.451	1.441	1.489	1.452	1.613	1.683	1.501	1.493	1.439
LTE Band 66_Ant 2	0.555	0.385	0.075	1.502	1.631	1.592	1.448	1.472	1.433	1.468	1.480	1.503	1.509	1.494	1.420	1.439	1.433	1.488	1.496	1.486	1.534	1.497	1.658	1.728	1.546	1.538	1.484
FR1 n7_Ant 2	0.686	0.385	0.075	1.633	1.762	1.723	1.579	1.603	1.564	1.599	1.611	1.634	1.640	1.625	1.551	1.570	1.564	1.619	1.627	1.617	1.665	1.628	1.789	1.859	1.677	1.669	1.615
FR1 n25_Ant 2	0.566	0.385	0.075	1.513	1.642	1.603	1.459	1.483	1.444	1.479	1.491	1.514	1.520	1.505	1.431	1.450	1.444	1.499	1.507	1.497	1.545	1.508	1.669	1.739	1.557	1.549	1.495
FR1 n30_Ant 2	0.644	0.385	0.075	1.591	1.720	1.681	1.537	1.561	1.522	1.557	1.569	1.592	1.598	1.583	1.509	1.528	1.522	1.577	1.585	1.575	1.623	1.586	1.747	1.817	1.635	1.627	1.573
FR1 n41_Ant 2	0.720	0.385	0.075	1.667	1.796	1.757	1.613	1.637	1.598	1.633	1.645	1.668	1.674	1.659	1.585	1.604	1.598	1.653	1.661	1.651	1.699	1.662	1.823	1.893	1.711	1.703	1.649
FR1 n48_Ant 2	0.519	0.385	0.075	1.466	1.595	1.556	1.412	1.436	1.397	1.432	1.444	1.467	1.473	1.458	1.384	1.403	1.397	1.452	1.460	1.450	1.498	1.461	1.622	1.692	1.510	1.502	1.448
FR1 n66_Ant 2	0.608	0.385	0.075	1.555	1.684	1.645	1.501	1.525	1.486	1.521	1.533	1.556	1.562	1.547	1.473	1.492	1.486	1.541	1.549	1.539	1.587	1.550	1.711	1.781	1.599	1.591	1.537
FR1 n70_Ant 2	0.650	0.385	0.075	1.597	1.726	1.687	1.543	1.567	1.528	1.563	1.575	1.598	1.604	1.589	1.515	1.534	1.528	1.583	1.591	1.581	1.629	1.592	1.753	1.823	1.641	1.633	1.579
FR1 n77_Ant 2	0.491	0.385	0.075	1.438	1.567	1.528	1.384	1.408	1.369	1.404	1.416	1.439	1.445	1.430	1.356	1.375	1.369	1.424	1.432	1.422	1.470	1.433	1.594	1.664	1.482	1.474	1.420

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	0.713	-8.9	-76.1	-207.0	44.1	1.46	0.04	Not required
WWAN_Ant 2	0.745	-53.0	-75.0	-207.0				
WWAN_Ant 0	0.713	-7.2	6.5	-207.0	23.7	0.97	0.04	Not required
WLAN5/6G_Ant 3	0.256	4.8	26.9	-207.0				
WWAN_Ant 0	0.713	-7.2	6.5	-207.0	37.3	0.79	0.02	Not required
BT_Ant 3	0.075	17.5	34.5	-207.0				
WWAN_Ant 0	0.713	-9.2	6.8	-207.0	64.2	1.10	0.02	Not required
WLAN5/6G_Ant 4	0.385	-51.1	55.5	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	104.3	1.21	0.01	Not required
WLAN5/6G_Ant 3 + BT_Ant 3	0.460	4.8	26.9	-207.0				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	114.4	1.13	0.01	Not required
WLAN5/6G_Ant 4	0.385	-51.1	55.5	-207.0				
WLAN5/6G_Ant 3 + BT_Ant 3	0.460	4.8	26.9	-207.0	62.8	0.85	0.01	Not required
WLAN5/6G_Ant 4	0.385	-51.1	55.5	-207.0				

<Case 120>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.824	-31.3	-1.8	-207.0	55.1	1.70	0.04	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4	0.874	13.4	30.4	-207.0				
WWAN_Ant 0	0.824	-31.3	-1.8	-207.0	55.1	1.65	0.04	Not required
WWAN_Ant 5 + BT_Ant 4	0.829	13.4	30.4	-207.0				
WLAN5/6G_Ant 4	0.241	10.1	68.4	-207.0	17.5	0.44	0.02	Not required
BT_Ant 4	0.196	-2.5	80.5	-207.0				

<Case 121>

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	0.824	-48.5	-62.5	-207.0	92.4	1.80	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.972	-64.5	28.5	-207.0				

<Case 122>

Hybrid SPLSR calculation for antenna 0+(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	0.824	-31.3	-1.8	-207.0	52.1	1.70	0.04	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3	0.873	-63.1	39.5	-207.0				
WWAN_Ant 0	0.824	-31.3	-1.8	-207.0	55.1	1.65	0.04	Not required
WWAN_Ant 5 + BT_Ant 4	0.829	13.4	30.4	-207.0				
WLAN5/6G_Ant 4+3	0.240	-4.6	73.2	-207.0	7.6	0.44	0.04	Not required
BT_Ant 4	0.196	-2.5	80.5	-207.0				

<Case 123>

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	0.824	-48.5	-62.5	-207.0	92.4	1.80	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.971	-64.5	28.5	-207.0				

<Case 124>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.713	7.6	-28.1	-207.0	91.0	1.74	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.026	-64.4	27.6	-207.0				

<Case 125>

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	0.713	15.0	-39.5	-207.0	74.0	1.64	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.926	17.5	34.5	-207.0				

<Case 126>

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	0.713	7.6	-28.1	-207.0	55.1	1.78	0.04	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.067	4.8	26.9	-207.0				

<Case 127>

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	0.713	15.0	-39.5	-207.0	67.2	1.68	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.967	4.8	26.9	-207.0				

<Case 128>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-54.6	-58.8	-207.0	113.8	1.91	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	1.161	-52.1	55.0	-207.0				

<Case 129>

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	0.745	-54.6	-58.8	-207.0	113.8	1.81	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	1.061	-52.1	55.0	-207.0				

<Case 130>

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	0.745	-54.6	-58.8	-207.0	104.3	1.95	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.202	4.8	26.9	-207.0				

<Case 131>

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	0.745	-54.6	-58.8	-207.0	104.3	1.85	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.102	4.8	26.9	-207.0				

<Case 132>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44	-63	-207	135.0	1.61	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	0.927	-47.5	72	-207				

<Case 133>

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	0.679	-44	-63	-207	104.3	1.61	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	0.926	-63.1	39.5	-207				

<Case 134>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	110.4	1.84	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	1.161	5.8	65.8	-207				

<Case 135>

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	0.683	9.5	-44.5	-207	79.4	1.74	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	1.061	17.5	34.5	-207				

<Case 136>

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	0.683	9.5	-44.5	-207	79.4	1.89	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.202	17.5	34.5	-207				

<Case 137>

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	0.683	9.5	-44.5	-207	71.6	1.79	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.102	4.8	26.9	-207				

<Case 138>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.597	8.1	-55.3	-207	85.2	1.67	0.03	Not required
WWAN_Ant 5 + WLAN5G_Ant 4 + BT_Ant 4	1.07	16.5	29.5	-207				

<Case 139>

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	0.597	8.1	-55.3	-207	85.2	1.67	0.03	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3 + BT_Ant 4	1.069	16.5	29.5	-207				

<Case140>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207	84.6	1.77	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.026	-58	25	-207				

<Case141>

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	0.745	-54	-68.5	-207	93.6	1.67	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.926	-58	25	-207				

<Case 142>

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	0.745	-54.6	-58.8	-207	83.9	1.81	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.067	-58	25	-207				

<Case143>

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	0.745	-54	-68.5	-207	93.6	1.71	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.967	-58	25	-207				

<Case144>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44	-63	-207	51.5	1.71	0.04	Not required
WWAN_Ant 2 + WLAN5G_Ant 4 + BT_Ant 4	1.034	7.5	-62	-207				

<Case145>

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	0.679	-44	-63	-207	52.7	1.62	0.04	Not required
WWAN_Ant 2 + WLAN5G_Ant 4 + BT_Ant 3	0.936	8.1	-55.3	-207				

<Case 146>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44	-63	-207	51.5	1.71	0.04	Not required
WWAN_Ant 2 + WLAN5G_Ant 4 + BT_Ant 4	1.033	7.5	-62	-207				

<Case 147>

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	0.679	-44	-63	-207	52.7	1.61	0.04	Not required
WWAN_Ant 2 + WLAN5G_Ant 4 + BT_Ant 3	0.935	8.1	-55.3	-207				

<Case 148>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	65.0	1.95	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 4	1.264	-53.6	-60.3	-207				

<Case149>

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	65.0	1.85	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 4	1.164	-53.6	-60.3	-207				

<Case150>

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	0.683	9.5	-44.5	-207	65.0	1.99	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.305	-53.6	-60.3	-207				

<Case151>

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	0.683	9.5	-44.5	-207	65.0	1.89	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.205	-53.6	-60.3	-207				

<Case 152>

Hybrid SPLSR calculation for antenna 6 and antenna (5+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-45	-61	-207	108.5	1.75	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4 + BT_Ant 4	1.07	13.4	30.4	-207				

<Case 153>

Hybrid SPLSR calculation for antenna 6 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 6	0.679	-44	-63	-207	93.8	1.65	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4 + BT_Ant 3	0.972	-64.5	28.5	-207				

<Case 154>

Hybrid SPLSR calculation for antenna 6 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 6	0.679	-45	-61	-207	102.1	1.75	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3 + BT_Ant 4	1.069	-63.1	39.5	-207				

<Case155>

Hybrid SPLSR calculation for antenna 6 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 6	0.679	-44	-63	-207	93.8	1.65	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3 + BT_Ant 3	0.971	-64.5	28.5	-207				

<Case156>

Hybrid SPLSR calculation for antenna 6 and antenna (5+4)

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207	96.9	1.71	0.02	Not required
WWAN_Ant 5 + WLAN5G_Ant 4 + BT_Ant 4	1.026	-58	25	-207				

<Case157>

Hybrid SPLSR calculation for antenna 6 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 6	0.683	9.5	-44.5	-207	79.4	1.61	0.03	Not required
WWAN_Ant 5 + WLAN5G_Ant 4 + BT_Ant 3	0.926	17.5	34.5	-207				

<Case 158>

Hybrid SPLSR calculation for antenna 6 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 6	0.683	9.5	-44.5	-207	71.6	1.75	0.03	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3 + BT_Ant 4	1.067	4.8	26.9	-207				

<Case 159>

Hybrid SPLSR calculation for antenna 6 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 6	0.683	9.5	-44.5	-207	71.6	1.65	0.03	Not required
WWAN_Ant 5 + WLAN5G_Ant 4+3 + BT_Ant 3	0.967	4.8	26.9	-207				