

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)			
		WiFi 6E SISO (Ant4) + Bluetooth (Ant3)			
	WWAN + WiFi	WWAN + WiFi 2.4G SISO (Ant4 or Ant3)	Index 6 / Index 4 (Hotspot)	Index 7	
		WWAN + WiFi 2.4G MIMO/CDD (Ant4+3)			
		WWAN + WiFi 5G MIMO (Ant4+3)		Index 8 (SDB)	
		WWAN + WiFi 6E MIMO (Ant4+3)			
		WWAN + WiFi 2.4G SISO (Ant3) + WiFi 5G SISO(Ant4)			
		WWAN + WiFi 2.4G SISO (Ant3) + WiFi 6E SISO(Ant4)			
	WWAN + BT	WWAN + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)		Index 3
		WWAN + Bluetooth (Ant3)			
	WWAN + WiFi +BT	WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant4)	Index 6 / Index 4 (Hotspot)	Index 9	Index 4
WWAN + WiFi 5G MIMO (Ant4+3) + Bluetooth (Ant3)					
WWAN + WiFi 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 g_1 and g_2 for LTE and NR respectively. The purpose of these power ratio factors is to split the available SAR budget among different RATs, so $g_1 + g_2 \leq 1$. The value of g_1 is computed based on the need of the anchor (LTE) and can be changed if the anchor changes its power request. Based on the SAR Budget portion allocated to the anchor, the value of g_2 will be computed. At steady state (where all RATs are being on for a while), the allocated power ratio factors will guarantee that the total exposure ratio never exceeds the highest exposure of either one.

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

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

In simultaneous transmission for this device, 5G NR 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), AG2(Ant2), AG1(Ant1,Ant5). Each antenna group is spatially separated to others. Simultaneous transmission analysis is performed per antenna group. Below analysis demonstrates the spatial separation of AG0 and AG1 and the compliance between AG0 and BT/WLAN/NFC, between AG1 and BT/WLAN/NFC and 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	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)
	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)	WLAN5GHz Ant 4+3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3 1g SAR (W/kg)				
Right Cheek	0.341	0.650	0.298	0.363	1.107	0.089	0.101	0.452	0.464	1.196	1.208
Right Tilted	0.346	0.001	0.321	0.398	0.371	0.094	0.013	0.492	0.411	0.465	0.384
Left Cheek	0.856	0.532	0.691	1.033	1.080	0.234	0.093	1.267	1.126	1.314	1.173
Left Tilted	0.913	0.001	0.835	0.799	0.696	0.246	0.001	1.045	0.800	0.942	0.697

<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	0.650	0.235	0.885
Right Tilted	0.001	0.233	0.234
Left Cheek	0.532	0.782	1.314
Left Tilted	0.001	0.548	0.549

<WWAN Index2>

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)	Ant 0+5 SPLSR	Ant 0+5 Case No.	Ant 1+2 SPLSR	Ant 1+2 Case No.	Ant 5+6 SPLSR	Ant 5+6 Case No.
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
Right Cheek	0.480	0.986	0.994	0.354	0.558	1.466	1.474	0.834	1.980	1.544	1.348	1.552	0.912			0.04	Case1		
Right Tilted	0.408	0.991	0.354	0.101	0.542	1.399	0.762	0.509	1.345	1.533	0.455	0.896	0.643						
Left Cheek	0.918	0.635	0.514	0.993	0.910	1.553	1.432	1.911	1.149	1.545	1.507	1.424	1.903	0.04	Case2			0.04	Case3
Left Tilted	0.375	0.570	0.440	0.268	0.316	0.945	0.815	0.643	1.010	0.886	0.708	0.756	0.584						



FCC SAR TEST REPORT

Report No. :FA380306C

<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 3	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3	Bluetooth h Ant 4	Bluetooth h 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	1.064	0.205	0.200	0.106	0.103	0.295	0.089	0.101	1.269	1.264	1.170	1.256	1.268	1.448	1.460															
	Right Tilted	1.158	0.238	0.001	0.095	0.095	0.066	0.094	0.013	1.396	1.159	1.253	1.347	1.266	1.318	1.237															
	Left Cheek	1.076	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.574	1.248	1.357	1.599	1.458	1.549	1.408						0.03	Case4								
	Left Tilted	0.665	0.502	0.001	0.264	0.205	0.224	0.246	0.001	1.167	0.666	0.929	1.116	0.871	1.135	0.890															
Ant 0+2	Right Cheek	1.137	0.205	0.200	0.106	0.103	0.295	0.089	0.101	1.342	1.337	1.243	1.329	1.341	1.521	1.533															
	Right Tilted	0.678	0.205	0.001	0.095	0.095	0.066	0.094	0.013	0.883	0.679	0.773	0.867	0.786	0.838	0.757															
	Left Cheek	1.124	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.622	1.296	1.405	1.647	1.506	1.597	1.456	0.03	Case5					0.03	Case6			0.03	Case7			
	Left Tilted	0.692	0.502	0.001	0.264	0.205	0.224	0.246	0.001	1.194	0.693	0.956	1.143	0.898	1.162	0.917															
Ant 0+5	Right Cheek	0.567	0.205	0.200	0.106	0.103	0.295	0.089	0.101	0.772	0.767	0.673	0.759	0.771	0.951	0.963															
	Right Tilted	0.373	0.205	0.001	0.095	0.095	0.066	0.094	0.013	0.578	0.374	0.468	0.562	0.481	0.533	0.452															
	Left Cheek	1.056	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.554	1.228	1.337	1.579	1.438	1.529	1.388															
	Left Tilted	0.408	0.502	0.001	0.264	0.205	0.224	0.246	0.001	0.910	0.409	0.672	0.859	0.614	0.878	0.633															
Ant 1+2	Right Cheek	1.345	0.205	0.200	0.106	0.103	0.295	0.089	0.101	1.550	1.545	1.451	1.537	1.549	1.729	1.741											0.04	Case8	0.04	Case9	
	Right Tilted	1.168	0.205	0.001	0.095	0.095	0.066	0.094	0.013	1.373	1.169	1.263	1.357	1.276	1.328	1.247															
	Left Cheek	0.848	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.346	1.020	1.129	1.371	1.230	1.321	1.180															
	Left Tilted	0.747	0.502	0.001	0.264	0.205	0.224	0.246	0.001	1.249	0.748	1.011	1.198	0.953	1.217	0.972															
Ant 1+6	Right Cheek	1.122	0.205	0.200	0.106	0.103	0.295	0.089	0.101	1.327	1.322	1.228	1.314	1.326	1.506	1.518															
	Right Tilted	1.355	0.205	0.001	0.095	0.095	0.066	0.094	0.013	1.560	1.356	1.450	1.544	1.463	1.515	1.434															
	Left Cheek	1.192	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.690	1.364	1.473	1.715	1.574	1.665	1.524	0.03	Case10					0.03	Case11			0.03	Case12			
	Left Tilted	0.635	0.502	0.001	0.264	0.205	0.224	0.246	0.001	1.137	0.636	0.899	1.086	0.841	1.105	0.860															
Ant 2+5	Right Cheek	0.848	0.205	0.200	0.106	0.103	0.295	0.089	0.101	1.053	1.048	0.954	1.040	1.052	1.232	1.244															
	Right Tilted	0.383	0.205	0.001	0.095	0.095	0.066	0.094	0.013	0.588	0.384	0.478	0.572	0.491	0.543	0.462															
	Left Cheek	0.828	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.326	1.000	1.109	1.351	1.210	1.301	1.160															
	Left Tilted	0.490	0.502	0.001	0.264	0.205	0.224	0.246	0.001	0.992	0.491	0.754	0.941	0.696	0.960	0.715															
Ant 2+6	Right Cheek	1.195	0.205	0.200	0.106	0.103	0.295	0.089	0.101	1.400	1.395	1.301	1.387	1.399	1.579	1.591															
	Right Tilted	0.875	0.205	0.001	0.095	0.095	0.066	0.094	0.013	1.080	0.876	0.970	1.064	0.983	1.035	0.954															
	Left Cheek	1.240	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.738	1.412	1.521	1.763	1.622	1.713	1.572	0.04	Case13					0.04	Case14	0.03	Case15	0.04	Case16			
	Left Tilted	0.662	0.502	0.001	0.264	0.205	0.224	0.246	0.001	1.164	0.663	0.926	1.113	0.868	1.132	0.887															
Ant 5+6	Right Cheek	0.625	0.205	0.200	0.106	0.103	0.295	0.089	0.101	0.830	0.825	0.731	0.817	0.829	1.009	1.021															
	Right Tilted	0.570	0.205	0.001	0.095	0.095	0.066	0.094	0.013	0.775	0.571	0.665	0.759	0.678	0.730	0.649															
	Left Cheek	1.172	0.498	0.172	0.281	0.289	0.239	0.234	0.093	1.670	1.344	1.453	1.695	1.554	1.645	1.504	0.03	Case17					0.03	Case18			0.03	Case19			
	Left Tilted	0.378	0.502	0.001	0.264	0.205	0.224	0.246	0.001	0.880	0.379	0.642	0.829	0.584	0.848	0.603															

<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	1.064	0.200	0.137	1.401		
	Right Tilted	1.158	0.001	0.127	1.286		
	Left Cheek	1.076	0.172	0.382	1.630	0.03	Case20
	Left Tilted	0.665	0.001	0.271	0.937		
Ant 0+2	Right Cheek	1.137	0.200	0.137	1.474		
	Right Tilted	0.678	0.001	0.127	0.806		
	Left Cheek	1.124	0.172	0.382	1.678	0.04	Case21
	Left Tilted	0.692	0.001	0.271	0.964		
Ant 0+5	Right Cheek	0.567	0.200	0.137	0.904		
	Right Tilted	0.373	0.001	0.127	0.501		
	Left Cheek	1.056	0.172	0.382	1.610	0.02	Case22
	Left Tilted	0.408	0.001	0.271	0.680		
Ant 1+2	Right Cheek	1.345	0.200	0.137	1.682	0.03	Case23
	Right Tilted	1.168	0.001	0.127	1.296		
	Left Cheek	0.848	0.172	0.382	1.402		
	Left Tilted	0.747	0.001	0.271	1.019		
Ant 1+6	Right Cheek	1.122	0.200	0.137	1.459		
	Right Tilted	1.355	0.001	0.127	1.483		
	Left Cheek	1.192	0.172	0.382	1.746	0.03	Case24
	Left Tilted	0.635	0.001	0.271	0.907		
Ant 2+5	Right Cheek	0.848	0.200	0.137	1.185		
	Right Tilted	0.383	0.001	0.127	0.511		
	Left Cheek	0.828	0.172	0.382	1.382		
	Left Tilted	0.490	0.001	0.271	0.762		
Ant 2+6	Right Cheek	1.195	0.200	0.137	1.532		
	Right Tilted	0.875	0.001	0.127	1.003		
	Left Cheek	1.240	0.172	0.382	1.794	0.03	Case25
	Left Tilted	0.662	0.001	0.271	0.934		
Ant 5+6	Right Cheek	0.625	0.200	0.137	0.962		
	Right Tilted	0.570	0.001	0.127	0.698		
	Left Cheek	1.172	0.172	0.382	1.726	0.03	Case26
	Left Tilted	0.378	0.001	0.271	0.650		

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	Ant 0+2	Ant 0+5	Ant 1+2	Ant 1+6	Ant 2+5	Ant 2+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)
	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	0.599	0.431	0.676	0.301	0.394	1.030	1.275	0.900	1.107	0.825	0.977	1.070	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	0.682	0.545	0.009	0.772	1.152	1.015	0.984	0.311	1.227	0.691	0.554
Top side at 10mm		0.564		0.058		0.564	0.000	0.058	0.564	0.564	0.058	0.000	0.058
Bottom side at 10mm	0.417		0.592		0.086	0.417	1.009	0.417	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	0.268	0.195	0.153	0.212	0.273	1.219	1.146	1.104	1.163	1.224										
	Back	1.021	0.240	0.166	0.125	0.338	0.313	1.261	1.187	1.146	1.359	1.334										
	Left side	1.181	0.001	0.329	0.133	0.001	0.257	1.182	1.510	1.314	1.182	1.438										
	Right side	0.772	0.108	0.001	0.059	0.546	0.328	0.880	0.773	0.831	1.318	1.100										
	Top side	0.564	0.416	0.041	0.233	0.171	0.232	0.980	0.605	0.797	0.735	0.796										
	Bottom side	0.417						0.417	0.417	0.417	0.417	0.417										
Ant 0+2	Front	1.296	0.268	0.195	0.153	0.212	0.273	1.564	1.491	1.449	1.508	1.569										
	Back	1.219	0.240	0.166	0.125	0.338	0.313	1.459	1.385	1.344	1.557	1.532										
	Left side	0.984	0.001	0.329	0.133	0.001	0.257	0.985	1.313	1.117	0.985	1.241										
	Right side	1.152	0.108	0.001	0.059	0.546	0.328	1.260	1.153	1.211	1.698	1.480						0.04	Case27			
	Top side		0.416	0.041	0.233	0.171	0.232	0.416	0.041	0.233	0.171	0.232										
	Bottom side	1.009						1.009	1.009	1.009	1.009	1.009										
Ant 0+5	Front	0.888	0.268	0.195	0.153	0.212	0.273	1.156	1.083	1.041	1.100	1.161										
	Back	0.871	0.240	0.166	0.125	0.338	0.313	1.111	1.037	0.996	1.209	1.184										
	Left side	0.847	0.001	0.329	0.133	0.001	0.257	0.848	1.176	0.980	0.848	1.104										
	Right side	0.978	0.108	0.001	0.059	0.546	0.328	1.086	0.979	1.037	1.524	1.306										
	Top side	0.054	0.416	0.041	0.233	0.171	0.232	0.470	0.095	0.287	0.225	0.286										
	Bottom side	0.417						0.417	0.417	0.417	0.417	0.417										
Ant 1+2	Front	1.011	0.268	0.195	0.153	0.212	0.273	1.279	1.206	1.164	1.223	1.284										
	Back	1.060	0.240	0.166	0.125	0.338	0.313	1.300	1.226	1.185	1.398	1.373										
	Left side	0.505	0.001	0.329	0.133	0.001	0.257	0.506	0.834	0.638	0.506	0.762										
	Right side	0.984	0.108	0.001	0.059	0.546	0.328	1.092	0.985	1.043	1.530	1.312										
	Top side	0.564	0.416	0.041	0.233	0.171	0.232	0.980	0.605	0.797	0.735	0.796										
	Bottom side	0.592						0.592	0.592	0.592	0.592	0.592										
Ant 1+6	Front	0.728	0.268	0.195	0.153	0.212	0.273	0.996	0.923	0.881	0.940	1.001										
	Back	0.825	0.240	0.166	0.125	0.338	0.313	1.065	0.991	0.950	1.163	1.138										
	Left side	1.124	0.001	0.329	0.133	0.001	0.257	1.125	1.453	1.257	1.125	1.381										
	Right side	0.311	0.108	0.001	0.059	0.546	0.328	0.419	0.312	0.370	0.857	0.639										
	Top side	0.564	0.416	0.041	0.233	0.171	0.232	0.980	0.605	0.797	0.735	0.796										
	Bottom side	0.086						0.086	0.086	0.086	0.086	0.086										
Ant 2+5	Front	0.948	0.268	0.195	0.153	0.212	0.273	1.216	1.143	1.101	1.160	1.221										
	Back	0.910	0.240	0.166	0.125	0.338	0.313	1.150	1.076	1.035	1.248	1.223										
	Left side	0.171	0.001	0.329	0.133	0.001	0.257	0.172	0.500	0.304	0.172	0.428										
	Right side	1.190	0.108	0.001	0.059	0.546	0.328	1.298	1.191	1.249	1.736	1.518							0.03	Case28		
	Top side	0.054	0.416	0.041	0.233	0.171	0.232	0.470	0.095	0.287	0.225	0.286										
	Bottom side	0.592						0.592	0.592	0.592	0.592	0.592										
Ant 2+6	Front	1.073	0.268	0.195	0.153	0.212	0.273	1.341	1.268	1.226	1.285	1.346										
	Back	1.023	0.240	0.166	0.125	0.338	0.313	1.263	1.189	1.148	1.361	1.336										
	Left side	0.927	0.001	0.329	0.133	0.001	0.257	0.928	1.256	1.060	0.928	1.184										
	Right side	0.691	0.108	0.001	0.059	0.546	0.328	0.799	0.692	0.750	1.237	1.019										
	Top side		0.416	0.041	0.233	0.171	0.232	0.416	0.041	0.233	0.171	0.232										
	Bottom side	0.678						0.678	0.678	0.678	0.678	0.678										
Ant 5+6	Front	0.665	0.268	0.195	0.153	0.212	0.273	0.933	0.860	0.818	0.877	0.938										
	Back	0.675	0.240	0.166	0.125	0.338	0.313	0.915	0.841	0.800	1.013	0.988										
	Left side	0.790	0.001	0.329	0.133	0.001	0.257	0.791	1.119	0.923	0.791	1.047										
	Right side	0.517	0.108	0.001	0.059	0.546	0.328	0.625	0.518	0.576	1.063	0.845										
	Top side	0.054	0.416	0.041	0.233	0.171	0.232	0.470	0.095	0.287	0.225	0.286										
	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	0.195	0.212	1.358		
	Back	1.021	0.166	0.338	1.525		
	Left side	1.181	0.329	0.001	1.511		
	Right side	0.772	0.001	0.546	1.319		
	Top side	0.564	0.041	0.171	0.776		
	Bottom side	0.417			0.417		
Ant 0+2	Front	1.296	0.195	0.212	1.703	0.04	Case29
	Back	1.219	0.166	0.338	1.723	0.04	Case30
	Left side	0.984	0.329	0.001	1.314		
	Right side	1.152	0.001	0.546	1.699	0.04	Case31
	Top side		0.041	0.171	0.212		
	Bottom side	1.009			1.009		
Ant 0+5	Front	0.888	0.195	0.212	1.295		
	Back	0.871	0.166	0.338	1.375		
	Left side	0.847	0.329	0.001	1.177		
	Right side	0.978	0.001	0.546	1.525		
	Top side	0.054	0.041	0.171	0.266		
	Bottom side	0.417			0.417		
Ant 1+2	Front	1.011	0.195	0.212	1.418		
	Back	1.060	0.166	0.338	1.564		
	Left side	0.505	0.329	0.001	0.835		
	Right side	0.984	0.001	0.546	1.531		
	Top side	0.564	0.041	0.171	0.776		
	Bottom side	0.592			0.592		
Ant 1+6	Front	0.728	0.195	0.212	1.135		
	Back	0.825	0.166	0.338	1.329		
	Left side	1.124	0.329	0.001	1.454		
	Right side	0.311	0.001	0.546	0.858		
	Top side	0.564	0.041	0.171	0.776		
	Bottom side	0.086			0.086		
Ant 2+5	Front	0.948	0.195	0.212	1.355		
	Back	0.910	0.166	0.338	1.414		
	Left side	0.171	0.329	0.001	0.501		
	Right side	1.190	0.001	0.546	1.737	0.03	Case32
	Top side	0.054	0.041	0.171	0.266		
	Bottom side	0.592			0.592		
Ant 2+6	Front	1.073	0.195	0.212	1.480		
	Back	1.023	0.166	0.338	1.527		
	Left side	0.927	0.329	0.001	1.257		
	Right side	0.691	0.001	0.546	1.238		
	Top side		0.041	0.171	0.212		
	Bottom side	0.678			0.678		
Ant 5+6	Front	0.665	0.195	0.212	1.072		
	Back	0.675	0.166	0.338	1.179		
	Left side	0.790	0.329	0.001	1.120		
	Right side	0.517	0.001	0.546	1.064		
	Top side	0.054	0.041	0.171	0.266		
	Bottom side	0.086			0.086		



FCC SAR TEST REPORT

Report No. :FA380306C

<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 5/6GHz Ant 4	WLAN 5/6GHz Ant 4	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	Bluetooth Ant 3												
Ant 0+1	Front	0.951	0.155	0.170	0.167	0.080	1.273	1.186	1.288	1.201								
	Back	1.021	0.239	0.254	0.168	0.071	1.428	1.331	1.443	1.346								
	Left side	1.181	0.051	0.221	0.001	0.121	1.233	1.353	1.403	1.523								
	Right side	0.772	0.487	0.354	0.085	0.001	1.344	1.260	1.211	1.127								
	Top side	0.564	0.153	0.175	0.284	0.001	1.001	0.718	1.023	0.740								
	Bottom side	0.417					0.417	0.417	0.417	0.417								
Ant 0+2	Front	1.296	0.155	0.170	0.167	0.080	1.618	1.531	1.633	1.546	0.02	Case33			0.02	Case34		
	Back	1.219	0.239	0.254	0.168	0.071	1.626	1.529	1.641	1.544	0.04	Case35			0.04	Case36		
	Left side	0.984	0.051	0.221	0.001	0.121	1.036	1.156	1.206	1.326								
	Right side	1.152	0.487	0.354	0.085	0.001	1.724	1.640	1.591	1.507	0.04	Case37	0.04	Case38				
	Top side		0.153	0.175	0.284	0.001	0.437	0.154	0.459	0.176								
	Bottom side	1.009					1.009	1.009	1.009	1.009								
Ant 0+5	Front	0.888	0.155	0.170	0.167	0.080	1.210	1.123	1.225	1.138								
	Back	0.871	0.239	0.254	0.168	0.071	1.278	1.181	1.293	1.196								
	Left side	0.847	0.051	0.221	0.001	0.121	0.899	1.019	1.069	1.189								
	Right side	0.978	0.487	0.354	0.085	0.001	1.550	1.466	1.417	1.333								
	Top side	0.054	0.153	0.175	0.284	0.001	0.491	0.208	0.513	0.230								
	Bottom side	0.417					0.417	0.417	0.417	0.417								
Ant 1+2	Front	1.011	0.155	0.170	0.167	0.080	1.333	1.246	1.348	1.261								
	Back	1.060	0.239	0.254	0.168	0.071	1.467	1.370	1.482	1.385								
	Left side	0.505	0.051	0.221	0.001	0.121	0.557	0.677	0.727	0.847								
	Right side	0.984	0.487	0.354	0.085	0.001	1.556	1.472	1.423	1.339								
	Top side	0.564	0.153	0.175	0.284	0.001	1.001	0.718	1.023	0.740								
	Bottom side	0.592					0.592	0.592	0.592	0.592								
Ant 1+6	Front	0.728	0.155	0.170	0.167	0.080	1.050	0.963	1.065	0.978								
	Back	0.825	0.239	0.254	0.168	0.071	1.232	1.135	1.247	1.150								
	Left side	1.124	0.051	0.221	0.001	0.121	1.176	1.296	1.346	1.466								
	Right side	0.311	0.487	0.354	0.085	0.001	0.883	0.799	0.750	0.666								
	Top side	0.564	0.153	0.175	0.284	0.001	1.001	0.718	1.023	0.740								
	Bottom side	0.086					0.086	0.086	0.086	0.086								
Ant 2+5	Front	0.948	0.155	0.170	0.167	0.080	1.270	1.183	1.285	1.198								
	Back	0.910	0.239	0.254	0.168	0.071	1.317	1.220	1.332	1.235								
	Left side	0.171	0.051	0.221	0.001	0.121	0.223	0.343	0.393	0.513								
	Right side	1.190	0.487	0.354	0.085	0.001	1.762	1.678	1.629	1.545	0.03	Case39	0.03	Case40	0.02	Case41		
	Top side	0.054	0.153	0.175	0.284	0.001	0.491	0.208	0.513	0.230								
	Bottom side	0.592					0.592	0.592	0.592	0.592								
Ant 2+6	Front	1.073	0.155	0.170	0.167	0.080	1.395	1.308	1.410	1.323								
	Back	1.023	0.239	0.254	0.168	0.071	1.430	1.333	1.445	1.348								
	Left side	0.927	0.051	0.221	0.001	0.121	0.979	1.099	1.149	1.269								
	Right side	0.691	0.487	0.354	0.085	0.001	1.263	1.179	1.130	1.046								
	Top side		0.153	0.175	0.284	0.001	0.437	0.154	0.459	0.176								
	Bottom side	0.678					0.678	0.678	0.678	0.678								
Ant 5+6	Front	0.665	0.155	0.170	0.167	0.080	0.987	0.900	1.002	0.915								
	Back	0.675	0.239	0.254	0.168	0.071	1.082	0.985	1.097	1.000								
	Left side	0.790	0.051	0.221	0.001	0.121	0.842	0.962	1.012	1.132								
	Right side	0.517	0.487	0.354	0.085	0.001	1.089	1.005	0.956	0.872								
	Top side	0.054	0.153	0.175	0.284	0.001	0.491	0.208	0.513	0.230								
	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	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)
	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)				
Front	0.969	0.453	0.846	0.216	0.353	0.474	0.277	0.690	0.493	0.827	0.630
Back	0.664	0.391	0.610	0.389	0.339	0.374	0.223	0.763	0.612	0.713	0.562

<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	0.453	0.216	0.669
Back	0.391	0.389	0.780

<WWAN Index5>

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)	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)																					
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																					
Front at 10mm +	0.797	0.490	0.795	0.993	0.778	1.287	1.592	1.790	1.285	1.268	1.788	1.573	1.771			0.04	Case42			0.03	Case43		0.02	Case44		
Back at 10mm +	0.761	0.642	0.960	0.820	0.783	1.403	1.721	1.581	1.602	1.425	1.780	1.743	1.603		0.04	Case45		0.01	Case46		0.03	Case47	0.03	Case48	0.02	Case49

<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 Case No.	Ant 1+3 Case No.	Ant 1+4 Case No.	Ant 1+5 Case No.	Ant 1+6 Case No.	Ant 1+7 Case No.	Ant 1+8 Case No.	Ant 1+9 Case No.	Ant 1+10 Case No.
		WWAN 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)														
Ant 0+1	Front	1.110	0.268	0.195	0.153	0.216	0.353	1.378	1.305	1.263	1.326	1.463									
	Back	1.258	0.240	0.166	0.125	0.389	0.339	1.498	1.424	1.383	1.647	1.597						0.02	Case50	0.02	Case51
Ant 0+2	Front	1.193	0.268	0.195	0.153	0.216	0.353	1.461	1.388	1.346	1.409	1.546									
	Back	1.361	0.240	0.166	0.125	0.389	0.339	1.601	1.527	1.486	1.750	1.700	0.03	Case52				0.03	Case53	0.04	Case54
Ant 0+5	Front	1.253	0.268	0.195	0.153	0.216	0.353	1.521	1.448	1.406	1.469	1.606								0.02	Case55
	Back	1.123	0.240	0.166	0.125	0.389	0.339	1.363	1.289	1.248	1.512	1.462									
Ant 1+2	Front	1.063	0.268	0.195	0.153	0.216	0.353	1.331	1.258	1.216	1.279	1.416									
	Back	1.387	0.240	0.166	0.125	0.389	0.339	1.627	1.553	1.512	1.776	1.726	0.01	Case56				0.02	Case57	0.02	Case58
Ant 1+6	Front	1.169	0.268	0.195	0.153	0.216	0.353	1.437	1.364	1.322	1.385	1.522									
	Back	1.325	0.240	0.166	0.125	0.389	0.339	1.565	1.491	1.450	1.714	1.664						0.02	Case59	0.03	Case60
Ant 2+5	Front	1.206	0.268	0.195	0.153	0.216	0.353	1.474	1.401	1.359	1.422	1.559									
	Back	1.252	0.240	0.166	0.125	0.389	0.339	1.492	1.418	1.377	1.641	1.591						0.02	Case61		
Ant 2+6	Front	1.252	0.268	0.195	0.153	0.216	0.353	1.520	1.447	1.405	1.468	1.605								0.04	Case62
	Back	1.428	0.240	0.166	0.125	0.389	0.339	1.668	1.594	1.553	1.817	1.767	0.03	Case63				0.04	Case64	0.03	Case65
Ant 5+6	Front	1.312	0.268	0.195	0.153	0.216	0.353	1.580	1.507	1.465	1.528	1.665								0.02	Case66
	Back	1.190	0.240	0.166	0.125	0.389	0.339	1.430	1.356	1.315	1.579	1.529									

<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	1.110	0.195	0.216	1.521		
	Back	1.258	0.166	0.389	1.813	0.03	Case67
Ant 0+2	Front	1.193	0.195	0.216	1.604	0.04	Case68
	Back	1.361	0.166	0.389	1.916	0.03	Case69
Ant 0+5	Front	1.253	0.195	0.216	1.664	0.02	Case70
	Back	1.123	0.166	0.389	1.678	0.03	Case71
Ant 1+2	Front	1.063	0.195	0.216	1.474		
	Back	1.387	0.166	0.389	1.942	0.02	Case72
Ant 1+6	Front	1.169	0.195	0.216	1.580		
	Back	1.325	0.166	0.389	1.880	0.03	Case73
Ant 2+5	Front	1.206	0.195	0.216	1.617	0.02	Case74
	Back	1.252	0.166	0.389	1.807	0.03	Case75
Ant 2+6	Front	1.252	0.195	0.216	1.663	0.04	Case76
	Back	1.428	0.166	0.389	1.983	0.04	Case77
Ant 5+6	Front	1.312	0.195	0.216	1.723	0.02	Case78
	Back	1.190	0.166	0.389	1.745	0.03	Case79

<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	1.110	0.216	0.353	0.167	0.080	1.493	1.406	1.630	1.543					0.02	Case80		
	Back	1.258	0.389	0.339	0.168	0.071	1.815	1.718	1.765	1.668	0.04	Case81	0.04	Case82	0.04	Case83	0.04	Case84
Ant 0+2	Front	1.193	0.216	0.353	0.167	0.080	1.576	1.489	1.713	1.626					0.04	Case85	0.04	Case86
	Back	1.361	0.389	0.339	0.168	0.071	1.918	1.821	1.868	1.771	0.04	Case87	0.03	Case88	0.04	Case89	0.04	Case90
Ant 0+5	Front	1.253	0.216	0.353	0.167	0.080	1.636	1.549	1.773	1.686	0.02	Case91			0.04	Case92	0.04	Case93
	Back	1.123	0.389	0.339	0.168	0.071	1.680	1.583	1.630	1.533	0.03	Case94			0.02	Case95		
Ant 1+2	Front	1.063	0.216	0.353	0.167	0.080	1.446	1.359	1.583	1.496								
	Back	1.387	0.389	0.339	0.168	0.071	1.944	1.847	1.894	1.797	0.02	Case96	0.02	Case97	0.02	Case98	0.02	Case99
Ant 1+6	Front	1.169	0.216	0.353	0.167	0.080	1.552	1.465	1.689	1.602					0.02	Case100	0.02	Case101
	Back	1.325	0.389	0.339	0.168	0.071	1.882	1.785	1.832	1.735	0.03	Case102	0.03	Case103	0.03	Case104	0.03	Case105
Ant 2+5	Front	1.206	0.216	0.353	0.167	0.080	1.589	1.502	1.726	1.639					0.03	Case106	0.02	Case107
	Back	1.252	0.389	0.339	0.168	0.071	1.809	1.712	1.759	1.662	0.03	Case108	0.02	Case109	0.03	Case110	0.02	Case111
Ant 2+6	Front	1.252	0.216	0.353	0.167	0.080	1.635	1.548	1.772	1.685	0.04	Case112			0.04	Case113	0.04	Case114
	Back	1.428	0.389	0.339	0.168	0.071	1.985	1.888	1.935	1.838	0.04	Case115	0.04	Case116	0.04	Case117	0.04	Case118
Ant 5+6	Front	1.312	0.216	0.353	0.167	0.080	1.695	1.608	1.832	1.745	0.02	Case119	0.02	Case120	0.03	Case121	0.02	Case122
	Back	1.190	0.389	0.339	0.168	0.071	1.747	1.650	1.697	1.600	0.02	Case123	0.03	Case124	0.03	Case125	0.03	Case126

F.6 SAR Peak Location Distance and SPLSR analysis
<Case 1>

SPLSR calculation for antenna 1,2

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.986	16.6	-328.4	-174.2	78.1	1.98	0.04	Not required
WWAN_Ant 2	0.994	48.9	-257.3	-175.6				

<Case 2>

SPLSR calculation for antenna 0,5

Combination	SAR	SAR peak location (mm)			Min. 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)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.993	58.3	321.1	-173.7	71.1	1.90	0.04	Not required
WWAN_Ant 6	0.910	52.5	250.2	-174.6				

<Case 4>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.676	52.1	246.4	-174.2	74.0	1.60	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	0.923	-3.5	295.0	-170.2				

<Case 5>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.676	52.3	247.7	-174.3	61.3	1.62	0.03	Not required
WWAN_Ant 2 + WLAN2.4G_Ant 4	0.946	57.0	308.8	-175.2				

<Case 6>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.676	52.3	247.7	-174.3	61.3	1.65	0.03	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 4	0.971	57.0	308.8	-175.2				

<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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.676	0.459	0.621	0.529	0.279
GSM1900_Ant 2	0.309	0.239	0.234	1.357	1.393	1.433	1.273	1.184	1.456	1.093	1.236	1.235	1.452	1.244	1.392	1.289	1.306	1.073	1.458	1.241	1.403	1.311	1.061
WCDMA II_Ant 2	0.377	0.239	0.234	1.425	1.461	1.501	1.341	1.252	1.524	1.161	1.304	1.303	1.520	1.312	1.460	1.357	1.374	1.141	1.526	1.309	1.471	1.379	1.129
WCDMA IV_Ant 2	0.316	0.239	0.234	1.364	1.400	1.440	1.280	1.191	1.463	1.100	1.243	1.242	1.459	1.251	1.399	1.296	1.313	1.080	1.465	1.248	1.410	1.318	1.068
LTE Band 7_Ant 2	0.222	0.239	0.234	1.270	1.306	1.346	1.186	1.097	1.369	1.006	1.149	1.148	1.365	1.157	1.305	1.202	1.219	0.986	1.371	1.154	1.316	1.224	0.974
LTE Band 25_Ant 2	0.363	0.239	0.234	1.411	1.447	1.487	1.327	1.238	1.510	1.147	1.290	1.289	1.506	1.298	1.446	1.343	1.360	1.127	1.512	1.295	1.457	1.365	1.115
LTE Band 30_Ant 2	0.434	0.239	0.234	1.482	1.518	1.558	1.398	1.309	1.581	1.218	1.361	1.360	1.577	1.369	1.517	1.414	1.431	1.198	1.583	1.366	1.528	1.436	1.186
LTE Band 41_Ant 2	0.180	0.239	0.234	1.228	1.264	1.304	1.144	1.055	1.327	0.964	1.107	1.106	1.323	1.115	1.263	1.160	1.177	0.944	1.329	1.112	1.274	1.182	0.932
LTE Band 48_Ant 2	0.221	0.239	0.234	1.269	1.305	1.345	1.185	1.096	1.368	1.005	1.148	1.147	1.364	1.156	1.304	1.201	1.218	0.985	1.370	1.153	1.315	1.223	0.973
LTE Band 66_Ant 2	0.400	0.239	0.234	1.448	1.484	1.524	1.364	1.275	1.547	1.184	1.327	1.326	1.543	1.335	1.483	1.380	1.397	1.164	1.549	1.332	1.494	1.402	1.152
FR1 n2_Ant 2	0.448	0.239	0.234	1.496	1.532	1.572	1.412	1.323	1.595	1.232	1.375	1.374	1.591	1.383	1.531	1.428	1.445	1.212	1.597	1.380	1.542	1.450	1.200
FR1 n7_Ant 2	0.262	0.239	0.234	1.310	1.346	1.386	1.226	1.137	1.409	1.046	1.189	1.188	1.405	1.197	1.345	1.242	1.259	1.026	1.411	1.194	1.356	1.264	1.014
FR1 n48_Ant 2	0.254	0.239	0.234	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	1.403	1.186	1.348	1.256	1.006
FR1 n66_Ant 2	0.378	0.239	0.234	1.426	1.462	1.502	1.342	1.253	1.525	1.162	1.305	1.304	1.521	1.313	1.461	1.358	1.375	1.142	1.527	1.310	1.472	1.380	1.130
FR1 n77_Ant 2	0.326	0.239	0.234	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	1.475	1.258	1.420	1.328	1.078

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.915	39.7	260.9	-175.3	50.9	1.36	0.03	Not required
WWAN_Ant 2	0.448	57.0	308.8	-175.2				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.915	39.7	260.9	-175.3	73.1	1.39	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				
WWAN_Ant 2	0.448	57.0	308.8	-175.2	42.1	0.92	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				

<Case 8>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.709	48.9	-257.3	-175.6	59.2	1.73	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.020	52.5	-316.4	-175.2				

<Case 9>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.709	48.9	-257.3	-175.6	59.2	1.74	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.032	52.5	-316.4	-175.2				

<Case 10>

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

Combination	SAR	SAR peak location (mm)			Min. 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	1.69	0.03	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.898	-1.0	294.9	-170.5				

<Case 11>

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

Combination	SAR	SAR peak location (mm)			Min. 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	1.72	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	0.923	-1.0	294.9	-170.5				

<Case 12>

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	0.239	0.234	1.648	1.653	1.416
WCDMA V_Ant 1	0.370	0.239	0.234	1.630	1.635	1.398
LTE Band 2_Ant 1	0.253	0.239	0.234	1.513	1.518	1.281
LTE Band 12_Ant 1	0.293	0.239	0.234	1.553	1.558	1.321
LTE Band 13_Ant 1	0.321	0.239	0.234	1.581	1.586	1.349
LTE Band 14_Ant 1	0.351	0.239	0.234	1.611	1.616	1.379
LTE Band 26_Ant 1	0.316	0.239	0.234	1.576	1.581	1.344
LTE Band 66_Ant 1	0.258	0.239	0.234	1.518	1.523	1.286
LTE Band 71_Ant 1	0.315	0.239	0.234	1.575	1.580	1.343
FR1 n5_Ant 1	0.400	0.239	0.234	1.660	1.665	1.428
FR1 n71_Ant 1	0.239	0.239	0.234	1.499	1.504	1.267
FR1 n77_Ant 1	0.131	0.239	0.234	1.391	1.396	1.159

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + WLAN5/6G_Ant 3	1.031	39.7	260.9	-175.3	53.2	1.43	0.03	Not required
WWAN_Ant 1	0.400	-1.0	294.9	-170.5				
WWAN_Ant 6 + WLAN5/6G_Ant 3	1.031	39.7	260.9	-175.3	73.1	1.50	0.03	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				
WWAN_Ant 1	0.400	0.2	296.5	-170.9	38.7	0.87	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	13.7	332.6	-173.8				

<Case 13>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2 + WLAN2.4G_Ant 4	0.946	58.7	307.1	-175.0	57.2	1.74	0.04	Not required
WWAN_Ant 6	0.792	52.5	250.2	-174.6				

<Case 14>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2 + WLAN2.4G_Ant 4	0.971	58.7	307.1	-175.0	57.2	1.76	0.04	Not required
WWAN_Ant 6	0.792	52.5	250.2	-174.6				

<Case 15>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4	Bluetooth Ant 3	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	0.289	0.093	1.478	1.483	1.246
WCDMA II_Ant 2	0.377	0.289	0.093	1.546	1.551	1.314
WCDMA IV_Ant 2	0.316	0.289	0.093	1.485	1.490	1.253
LTE Band 7_Ant 2	0.222	0.289	0.093	1.391	1.396	1.159
LTE Band 25_Ant 2	0.363	0.289	0.093	1.532	1.537	1.300
LTE Band 30_Ant 2	0.434	0.289	0.093	1.603	1.608	1.371
LTE Band 41_Ant 2	0.180	0.289	0.093	1.349	1.354	1.117
LTE Band 48_Ant 2	0.221	0.289	0.093	1.390	1.395	1.158
LTE Band 66_Ant 2	0.400	0.289	0.093	1.569	1.574	1.337
FR1 n2_Ant 2	0.448	0.289	0.093	1.617	1.622	1.385
FR1 n7_Ant 2	0.262	0.289	0.093	1.431	1.436	1.199
FR1 n48_Ant 2	0.254	0.289	0.093	1.423	1.428	1.191
FR1 n66_Ant 2	0.378	0.289	0.093	1.547	1.552	1.315
FR1 n77_Ant 2	0.326	0.289	0.093	1.495	1.500	1.263

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + BT_Ant 3	0.885	52.5	250.2	-174.6	58.8	1.33	0.03	Not required
WWAN_Ant 2	0.448	57.0	308.8	-175.2				
WWAN_Ant 6 + BT_Ant 3	0.885	28.9	256.2	-172.1	76.7	1.17	0.02	Not required
WLAN5/6G_Ant 4	0.289	21.8	332.5	-174.3				
WWAN_Ant 2	0.448	57.8	315.3	-174.5	39.9	0.74	0.02	Not required
WLAN5/6G_Ant 4	0.289	21.8	332.5	-174.3				

<Case 16>

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	0.239	0.234	1.569	1.574	1.337
WCDMA II_Ant 2	0.377	0.239	0.234	1.637	1.642	1.405
WCDMA IV_Ant 2	0.316	0.239	0.234	1.576	1.581	1.344
LTE Band 7_Ant 2	0.222	0.239	0.234	1.482	1.487	1.250
LTE Band 25_Ant 2	0.363	0.239	0.234	1.623	1.628	1.391
LTE Band 30_Ant 2	0.434	0.239	0.234	1.694	1.699	1.462
LTE Band 41_Ant 2	0.180	0.239	0.234	1.440	1.445	1.208
LTE Band 48_Ant 2	0.221	0.239	0.234	1.481	1.486	1.249
LTE Band 66_Ant 2	0.400	0.239	0.234	1.660	1.665	1.428
FR1 n2_Ant 2	0.448	0.239	0.234	1.708	1.713	1.476
FR1 n7_Ant 2	0.262	0.239	0.234	1.522	1.527	1.290
FR1 n48_Ant 2	0.254	0.239	0.234	1.514	1.519	1.282
FR1 n66_Ant 2	0.378	0.239	0.234	1.638	1.643	1.406
FR1 n77_Ant 2	0.326	0.239	0.234	1.586	1.591	1.354

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + WLAN5/6G_Ant 3	1.031	39.7	260.9	-175.3	50.0	1.48	0.04	Not required
WWAN_Ant 2	0.448	58.7	307.1	-175.0				
WWAN_Ant 6 + WLAN5/6G_Ant 3	1.031	39.7	260.9	-175.3	73.1	1.50	0.03	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				
WWAN_Ant 2	0.448	57.8	315.3	-174.5	39.6	0.92	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				

<Case 17>

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

Combination	SAR	SAR peak location (mm)			Min. 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	1.67	0.03	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 4	0.878	58.3	321.1	-173.7				

<Case 18>

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

Combination	SAR	SAR peak location (mm)			Min. 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	1.70	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	0.903	58.3	321.1	-173.7				

<Case 19>

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	0.239	0.234	1.564	1.569	1.332
LTE Band 66_Ant 5	0.360	0.239	0.234	1.620	1.625	1.388
FR1 n77_Ant 5	0.380	0.239	0.234	1.640	1.645	1.408

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + WLAN5/6G_Ant 3	1.031	39.7	260.9	-175.3	63.0	1.41	0.03	Not required
WWAN_Ant 5	0.380	58.3	321.1	-173.7				
WWAN_Ant 6 + WLAN5/6G_Ant 3	1.031	39.7	260.9	-175.3	73.1	1.50	0.03	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				
WWAN_Ant 5	0.380	56.9	321.6	-173.9	36.6	0.85	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.473	21.8	331.8	-174.4				



<Case 20>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4	GSM850_Ant 0	WCDMA II_Ant 0	LTE Band 7_Ant 0	LTE Band 30_Ant 0	FR1 n2_Ant 0	FR1 n7_Ant 0
Left Cheek	1g SAR (W/kg)			0.575	0.651	0.674	0.610	0.676	0.621
GSM850_Ant 1	0.388	0.172	0.382	1.517	1.593	1.616	1.552	1.618	1.563
WCDMA V_Ant 1	0.370	0.172	0.382	1.499	1.575	1.598	1.534	1.600	1.545
LTE Band 2_Ant 1	0.253	0.172	0.382	1.382	1.458	1.481	1.417	1.483	1.428
LTE Band 12_Ant 1	0.293	0.172	0.382	1.422	1.498	1.521	1.457	1.523	1.468
LTE Band 13_Ant 1	0.321	0.172	0.382	1.450	1.526	1.549	1.485	1.551	1.496
LTE Band 14_Ant 1	0.351	0.172	0.382	1.480	1.556	1.579	1.515	1.581	1.526
LTE Band 26_Ant 1	0.316	0.172	0.382	1.445	1.521	1.544	1.480	1.546	1.491
LTE Band 66_Ant 1	0.258	0.172	0.382	1.387	1.463	1.486	1.422	1.488	1.433
LTE Band 71_Ant 1	0.315	0.172	0.382	1.444	1.520	1.543	1.479	1.545	1.490
FR1 n5_Ant 1	0.400	0.172	0.382	1.529	1.605	1.628	1.564	1.630	1.575
FR1 n71_Ant 1	0.239	0.172	0.382	1.368	1.444	1.467	1.403	1.469	1.414
FR1 n77_Ant 1	0.131	0.172	0.382	1.260	1.336	1.359	1.295	1.361	1.306

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN2.4G_Ant 3	0.848	29.0	255.3	-171.9	49.7	1.25	0.03	Not required
WWAN_Ant 1	0.400	-1.0	294.9	-170.5				
WWAN_Ant 0 + WLAN2.4G_Ant 3	0.848	29.0	255.3	-171.9	81.3	1.23	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				
WWAN_Ant 1	0.400	0.2	296.5	-170.9	47.3	0.78	0.01	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				

<Case 21>

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 I Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.676	0.459	0.621	0.529	0.279
GSM1900_Ant 2	0.309	0.172	0.382	1.438	1.474	1.514	1.354	1.265	1.537	1.174	1.317	1.316	1.533	1.325	1.473	1.370	1.387	1.154	1.539	1.322	1.484	1.392	1.142
WCDMA II_Ant 2	0.377	0.172	0.382	1.506	1.542	1.582	1.422	1.333	1.605	1.242	1.385	1.384	1.601	1.393	1.541	1.438	1.455	1.222	1.607	1.390	1.552	1.460	1.210
WCDMA IV_Ant 2	0.316	0.172	0.382	1.445	1.481	1.521	1.361	1.272	1.544	1.181	1.324	1.323	1.540	1.332	1.480	1.377	1.394	1.161	1.546	1.329	1.491	1.399	1.149
LTE Band 7_Ant 2	0.222	0.172	0.382	1.351	1.387	1.427	1.267	1.178	1.450	1.087	1.230	1.229	1.446	1.238	1.386	1.283	1.300	1.067	1.452	1.235	1.397	1.305	1.055
LTE Band 25_Ant 2	0.363	0.172	0.382	1.492	1.528	1.568	1.408	1.319	1.591	1.228	1.371	1.370	1.587	1.379	1.527	1.424	1.441	1.208	1.593	1.376	1.538	1.446	1.196
LTE Band 30_Ant 2	0.434	0.172	0.382	1.563	1.599	1.639	1.479	1.390	1.662	1.299	1.442	1.441	1.658	1.450	1.598	1.495	1.512	1.279	1.664	1.447	1.609	1.517	1.267
LTE Band 41_Ant 2	0.180	0.172	0.382	1.309	1.345	1.385	1.225	1.136	1.408	1.045	1.188	1.187	1.404	1.196	1.344	1.241	1.258	1.025	1.410	1.193	1.355	1.263	1.013
LTE Band 48_Ant 2	0.221	0.172	0.382	1.350	1.386	1.426	1.266	1.177	1.449	1.086	1.229	1.228	1.445	1.237	1.385	1.282	1.299	1.066	1.451	1.234	1.396	1.304	1.054
LTE Band 66_Ant 2	0.400	0.172	0.382	1.529	1.565	1.605	1.445	1.356	1.628	1.265	1.408	1.407	1.624	1.416	1.564	1.461	1.478	1.245	1.630	1.413	1.575	1.483	1.233
FR1 n2_Ant 2	0.448	0.172	0.382	1.577	1.613	1.653	1.493	1.404	1.676	1.313	1.456	1.455	1.672	1.464	1.612	1.509	1.526	1.293	1.678	1.461	1.623	1.531	1.281
FR1 n7_Ant 2	0.262	0.172	0.382	1.391	1.427	1.467	1.307	1.218	1.490	1.127	1.270	1.269	1.486	1.278	1.426	1.323	1.340	1.107	1.492	1.275	1.437	1.345	1.095
FR1 n48_Ant 2	0.254	0.172	0.382	1.383	1.419	1.459	1.299	1.210	1.482	1.119	1.262	1.261	1.478	1.270	1.418	1.315	1.332	1.099	1.484	1.267	1.429	1.337	1.087
FR1 n66_Ant 2	0.378	0.172	0.382	1.507	1.543	1.583	1.423	1.334	1.606	1.243	1.386	1.385	1.602	1.394	1.542	1.439	1.456	1.223	1.608	1.391	1.553	1.461	1.211
FR1 n77_Ant 2	0.326	0.172	0.382	1.455	1.491	1.531	1.371	1.282	1.554	1.191	1.334	1.333	1.550	1.342	1.490	1.387	1.404	1.171	1.556	1.339	1.501	1.409	1.159

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN2.4G_Ant 3	0.848	50.8	250.1	-174.7	59.0	1.68	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4	0.830	57.0	308.8	-175.2				

<Case 22>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4	LTE Band 2_Ant 5	LTE Band 66_Ant 5	FR1 n77_Ant 5
Left Cheek	1g SAR (W/kg)			0.304	0.360	0.380
GSM850_Ant 0	0.575	0.172	0.382	1.433	1.489	1.509
GSM1900_Ant 0	0.611	0.172	0.382	1.469	1.525	1.545
WCDMA II_Ant 0	0.651	0.172	0.382	1.509	1.565	1.585
WCDMA IV_Ant 0	0.491	0.172	0.382	1.349	1.405	1.425
WCDMA V_Ant 0	0.402	0.172	0.382	1.260	1.316	1.336
LTE Band 7_Ant 0	0.674	0.172	0.382	1.532	1.588	1.608
LTE Band 12_Ant 0	0.311	0.172	0.382	1.169	1.225	1.245
LTE Band 13_Ant 0	0.454	0.172	0.382	1.312	1.368	1.388
LTE Band 14_Ant 0	0.453	0.172	0.382	1.311	1.367	1.387
LTE Band 25_Ant 0	0.670	0.172	0.382	1.528	1.584	1.604
LTE Band 26_Ant 0	0.462	0.172	0.382	1.320	1.376	1.396
LTE Band 30_Ant 0	0.610	0.172	0.382	1.468	1.524	1.544
LTE Band 41_Ant 0	0.507	0.172	0.382	1.365	1.421	1.441
LTE Band 66_Ant 0	0.524	0.172	0.382	1.382	1.438	1.458
LTE Band 71_Ant 0	0.291	0.172	0.382	1.149	1.205	1.225
FR1 n2_Ant 0	0.676	0.172	0.382	1.534	1.590	1.610
FR1 n5_Ant 0	0.459	0.172	0.382	1.317	1.373	1.393
FR1 n7_Ant 0	0.621	0.172	0.382	1.479	1.535	1.555
FR1 n66_Ant 0	0.529	0.172	0.382	1.387	1.443	1.463
FR1 n71_Ant 0	0.279	0.172	0.382	1.137	1.193	1.213

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.848	52.1	246.4	-174.2	75.4	1.23	0.02	Not required
WWAN_Ant 5	0.380	56.9	321.6	-173.9				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.848	52.1	246.4	-174.2	94.0	1.23	0.01	Not required
WLAN5/6GHz_Ant 4	0.382	25.3	336.5	-174.2				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.848	29.0	255.3	-171.9	72.0	1.23	0.02	Not required
WWAN_Ant 5	0.380	56.9	321.6	-173.9				
WWAN_Ant 0+WLAN2.4GHz_Ant 3	0.848	29.0	255.3	-171.9	81.3	1.23	0.02	Not required
WLAN5/6GHz_Ant 4	0.382	25.3	336.5	-174.2				
WWAN_Ant 5	0.380	56.9	321.6	-173.9	34.9	0.76	0.02	Not required
WLAN5/6GHz_Ant 4	0.382	25.3	336.5	-174.2				

<Case 23>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.709	48.9	-257.3	-175.6	62.9	1.68	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	0.973	-4.1	-290.5	-169.2				

<Case 24>

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	0.172	0.382	1.729	1.734	1.497
WCDMA V_Ant 1	0.370	0.172	0.382	1.711	1.716	1.479
LTE Band 2_Ant 1	0.253	0.172	0.382	1.594	1.599	1.362
LTE Band 12_Ant 1	0.293	0.172	0.382	1.634	1.639	1.402
LTE Band 13_Ant 1	0.321	0.172	0.382	1.662	1.667	1.430
LTE Band 14_Ant 1	0.351	0.172	0.382	1.692	1.697	1.460
LTE Band 26_Ant 1	0.316	0.172	0.382	1.657	1.662	1.425
LTE Band 66_Ant 1	0.258	0.172	0.382	1.599	1.604	1.367
LTE Band 71_Ant 1	0.315	0.172	0.382	1.656	1.661	1.424
FR1 n5_Ant 1	0.400	0.172	0.382	1.741	1.746	1.509
FR1 n71_Ant 1	0.239	0.172	0.382	1.580	1.585	1.348
FR1 n77_Ant 1	0.131	0.172	0.382	1.472	1.477	1.240

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + WLAN2.4G_Ant 3	0.964	29.0	255.3	-171.9	49.7	1.36	0.03	Not required
WWAN_Ant 1	0.400	-1.0	294.9	-170.5				
WWAN_Ant 6 + WLAN2.4G_Ant 3	0.964	29.0	255.3	-171.9	81.3	1.35	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				
WWAN_Ant 1	0.400	6.3	306.1	-172.8	35.9	0.78	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				

<Case 25>

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	0.172	0.382	1.650	1.655	1.418
WCDMA II_Ant 2	0.377	0.172	0.382	1.718	1.723	1.486
WCDMA IV_Ant 2	0.316	0.172	0.382	1.657	1.662	1.425
LTE Band 7_Ant 2	0.222	0.172	0.382	1.563	1.568	1.331
LTE Band 25_Ant 2	0.363	0.172	0.382	1.704	1.709	1.472
LTE Band 30_Ant 2	0.434	0.172	0.382	1.775	1.780	1.543
LTE Band 41_Ant 2	0.180	0.172	0.382	1.521	1.526	1.289
LTE Band 48_Ant 2	0.221	0.172	0.382	1.562	1.567	1.330
LTE Band 66_Ant 2	0.400	0.172	0.382	1.741	1.746	1.509
FR1 n2_Ant 2	0.448	0.172	0.382	1.789	1.794	1.557
FR1 n7_Ant 2	0.262	0.172	0.382	1.603	1.608	1.371
FR1 n48_Ant 2	0.254	0.172	0.382	1.595	1.600	1.363
FR1 n66_Ant 2	0.378	0.172	0.382	1.719	1.724	1.487
FR1 n77_Ant 2	0.326	0.172	0.382	1.667	1.672	1.435

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + WLAN2.4G_Ant 3	0.964	52.5	250.2	-174.6	57.2	1.41	0.03	Not required
WWAN_Ant 2	0.448	61.1	306.7	-174.6				
WWAN_Ant 6 + WLAN2.4G_Ant 3	0.964	29.0	255.3	-171.9	81.3	1.35	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				
WWAN_Ant 2	0.448	57.8	315.3	-174.5	38.8	0.83	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				

<Case 26>

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	0.172	0.382	1.645	1.650	1.413
LTE Band 66_Ant 5	0.360	0.172	0.382	1.701	1.706	1.469
FR1 n77_Ant 5	0.380	0.172	0.382	1.721	1.726	1.489

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6 + WLAN2.4G_Ant 3	0.964	29.0	255.3	-171.9	56.4	1.34	0.03	Not required
WWAN_Ant 5	0.380	6.9	307.2	-173.0				
WWAN_Ant 6 + WLAN2.4G_Ant 3	0.964	29.0	255.3	-171.9	81.3	1.35	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				
WWAN_Ant 5	0.380	6.9	307.2	-173.0	34.6	0.76	0.02	Not required
WLAN5/6G_Ant 4	0.382	25.3	336.5	-174.2				

<Case 27>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-25.5	52.5	-207.0	51.1	1.70	0.04	Not required
WWAN_Ant 0 + WLAN5/6G_Ant 4	1.016	-21.9	1.5	-207.0				

<Case 28>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-21.4	49.2	-207.0	81.7	1.74	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4	1.054	-24.4	-32.4	-207.0				



FCC SAR TEST REPORT

Report No. :FA380306C

<Case 29>

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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.480	0.498	0.497	0.618	0.393
GSM1900_Ant 2	0.661	0.195	0.212	1.616	1.594	1.517	1.509	1.481	1.595	1.485	1.549	1.527	1.592	1.576	1.620	1.494	1.569	1.468	1.548	1.566	1.565	1.686	1.461
WCDMA II_Ant 2	0.678	0.195	0.212	1.633	1.611	1.534	1.526	1.498	1.612	1.502	1.566	1.544	1.609	1.593	1.637	1.511	1.586	1.485	1.565	1.583	1.582	1.703	1.478
WCDMA IV_Ant 2	0.675	0.195	0.212	1.630	1.608	1.531	1.523	1.495	1.609	1.499	1.563	1.541	1.606	1.590	1.634	1.508	1.583	1.482	1.562	1.580	1.579	1.700	1.475
LTE Band 7_Ant 2	0.323	0.195	0.212	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	1.210	1.228	1.227	1.348	1.123
LTE Band 25_Ant 2	0.541	0.195	0.212	1.496	1.474	1.397	1.389	1.361	1.475	1.365	1.429	1.407	1.472	1.456	1.500	1.374	1.449	1.348	1.428	1.446	1.445	1.566	1.341
LTE Band 30_Ant 2	0.641	0.195	0.212	1.596	1.574	1.497	1.489	1.461	1.575	1.465	1.529	1.507	1.572	1.556	1.600	1.474	1.549	1.448	1.528	1.546	1.545	1.666	1.441
LTE Band 41_Ant 2	0.222	0.195	0.212	1.177	1.155	1.078	1.070	1.042	1.156	1.046	1.110	1.088	1.153	1.137	1.181	1.055	1.130	1.029	1.109	1.127	1.126	1.247	1.022
LTE Band 48_Ant 2	0.274	0.195	0.212	1.229	1.207	1.130	1.122	1.094	1.208	1.098	1.162	1.140	1.205	1.189	1.233	1.107	1.182	1.081	1.161	1.179	1.178	1.299	1.074
LTE Band 66_Ant 2	0.657	0.195	0.212	1.612	1.590	1.513	1.505	1.477	1.591	1.481	1.545	1.523	1.588	1.572	1.616	1.490	1.565	1.464	1.544	1.562	1.561	1.682	1.457
FR1 n2_Ant 2	0.601	0.195	0.212	1.556	1.534	1.457	1.449	1.421	1.535	1.425	1.489	1.467	1.532	1.516	1.560	1.434	1.509	1.408	1.488	1.506	1.505	1.626	1.401
FR1 n7_Ant 2	0.384	0.195	0.212	1.339	1.317	1.240	1.232	1.204	1.318	1.208	1.272	1.250	1.315	1.299	1.343	1.217	1.292	1.191	1.271	1.289	1.288	1.409	1.184
FR1 n48_Ant 2	0.258	0.195	0.212	1.213	1.191	1.114	1.106	1.078	1.192	1.082	1.146	1.124	1.189	1.173	1.217	1.091	1.166	1.065	1.145	1.163	1.162	1.283	1.058
FR1 n66_Ant 2	0.594	0.195	0.212	1.549	1.527	1.450	1.442	1.414	1.528	1.418	1.482	1.460	1.525	1.509	1.553	1.427	1.502	1.401	1.481	1.499	1.498	1.619	1.394
FR1 n77_Ant 2	0.346	0.195	0.212	1.301	1.279	1.202	1.194	1.166	1.280	1.170	1.234	1.212	1.277	1.261	1.305	1.179	1.254	1.153	1.233	1.251	1.250	1.371	1.146

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WWAN_Ant 2	1.296	-31.3	-1.8	-207.0	49.5	1.70	0.04	Not required
WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	0.407	-65.0	34.5	-207.0				

<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	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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.487	0.571	0.480	0.433	0.457	0.372	0.453	0.454	0.455	0.494	0.479	0.361	0.331	0.416	0.473	0.491	0.475	0.417	0.590	0.469
GSM1900_Ant 2	0.596	0.166	0.338	1.587	1.671	1.580	1.533	1.557	1.472	1.553	1.554	1.555	1.594	1.579	1.461	1.431	1.516	1.573	1.591	1.575	1.517	1.690	1.569
WCDMA II_Ant 2	0.562	0.166	0.338	1.553	1.637	1.546	1.499	1.523	1.438	1.519	1.520	1.521	1.560	1.545	1.427	1.397	1.482	1.539	1.557	1.541	1.483	1.656	1.535
WCDMA IV_Ant 2	0.534	0.166	0.338	1.525	1.609	1.518	1.471	1.495	1.410	1.491	1.492	1.493	1.532	1.517	1.399	1.369	1.454	1.511	1.529	1.513	1.455	1.628	1.507
LTE Band 7_Ant 2	0.333	0.166	0.338	1.324	1.408	1.317	1.270	1.294	1.209	1.290	1.291	1.292	1.331	1.316	1.198	1.168	1.253	1.310	1.328	1.312	1.254	1.427	1.306
LTE Band 25_Ant 2	0.480	0.166	0.338	1.471	1.555	1.464	1.417	1.441	1.356	1.437	1.438	1.439	1.478	1.463	1.345	1.315	1.400	1.457	1.475	1.459	1.401	1.574	1.453
LTE Band 30_Ant 2	0.543	0.166	0.338	1.534	1.618	1.527	1.480	1.504	1.419	1.500	1.501	1.502	1.541	1.526	1.408	1.378	1.463	1.520	1.538	1.522	1.464	1.637	1.516
LTE Band 41_Ant 2	0.261	0.166	0.338	1.252	1.336	1.245	1.198	1.222	1.137	1.218	1.219	1.220	1.259	1.244	1.126	1.096	1.181	1.238	1.256	1.240	1.182	1.355	1.234
LTE Band 48_Ant 2	0.283	0.166	0.338	1.274	1.358	1.267	1.220	1.244	1.159	1.240	1.241	1.242	1.281	1.266	1.148	1.118	1.203	1.260	1.278	1.262	1.204	1.377	1.256
LTE Band 66_Ant 2	0.619	0.166	0.338	1.610	1.694	1.603	1.556	1.580	1.495	1.576	1.577	1.578	1.617	1.602	1.484	1.454	1.539	1.596	1.614	1.598	1.540	1.713	1.592
FR1 n2_Ant 2	0.529	0.166	0.338	1.520	1.604	1.513	1.466	1.490	1.405	1.486	1.487	1.488	1.527	1.512	1.394	1.364	1.449	1.506	1.524	1.508	1.450	1.623	1.502
FR1 n7_Ant 2	0.345	0.166	0.338	1.336	1.420	1.329	1.282	1.306	1.221	1.302	1.303	1.304	1.343	1.328	1.210	1.180	1.265	1.322	1.340	1.324	1.266	1.439	1.318
FR1 n48_Ant 2	0.258	0.166	0.338	1.249	1.333	1.242	1.195	1.219	1.134	1.215	1.216	1.217	1.256	1.241	1.123	1.093	1.178	1.235	1.253	1.237	1.179	1.352	1.231
FR1 n66_Ant 2	0.629	0.166	0.338	1.620	1.704	1.613	1.566	1.590	1.505	1.586	1.587	1.588	1.627	1.612	1.494	1.464	1.549	1.606	1.624	1.608	1.550	1.723	1.602
FR1 n77_Ant 2	0.409	0.166	0.338	1.400	1.484	1.393	1.346	1.370	1.285	1.366	1.367	1.368	1.407	1.392	1.274	1.244	1.329	1.386	1.404	1.388	1.330	1.503	1.382

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN2.4G_Ant 3	0.756	-1.9	-59.3	-207.0	51.7	1.72	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4	0.967	-53.6	-60.3	-207.0				



<Case 31>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-25.5	52.5	-207.0	51.1	1.70	0.04	Not required
WWAN_Ant 0 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.017	-21.9	1.5	-207.0				

<Case 32>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-25.5	55.5	-207.0	75.5	1.74	0.03	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.055	-26.5	-20.0	-207.0				

<Case 33>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4	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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.480	0.498	0.497	0.618	0.393
GSM1900_Ant 2	0.661	0.155	0.167	1.531	1.509	1.432	1.424	1.396	1.510	1.400	1.464	1.442	1.507	1.491	1.535	1.409	1.484	1.383	1.463	1.481	1.480	1.601	1.376
WCDMA II_Ant 2	0.678	0.155	0.167	1.548	1.526	1.449	1.441	1.413	1.527	1.417	1.481	1.459	1.524	1.508	1.552	1.426	1.501	1.400	1.480	1.498	1.497	1.618	1.393
WCDMA IV_Ant 2	0.675	0.155	0.167	1.545	1.523	1.446	1.438	1.410	1.524	1.414	1.478	1.456	1.521	1.505	1.549	1.423	1.498	1.397	1.477	1.495	1.494	1.615	1.390
LTE Band 7_Ant 2	0.323	0.155	0.167	1.193	1.171	1.094	1.086	1.058	1.172	1.062	1.126	1.104	1.169	1.153	1.197	1.071	1.146	1.045	1.125	1.143	1.142	1.263	1.038
LTE Band 25_Ant 2	0.541	0.155	0.167	1.411	1.389	1.312	1.304	1.276	1.390	1.280	1.344	1.322	1.387	1.371	1.415	1.289	1.364	1.263	1.343	1.361	1.360	1.481	1.256
LTE Band 30_Ant 2	0.641	0.155	0.167	1.511	1.489	1.412	1.404	1.376	1.490	1.380	1.444	1.422	1.487	1.471	1.515	1.389	1.464	1.363	1.443	1.461	1.460	1.581	1.356
LTE Band 41_Ant 2	0.222	0.155	0.167	1.092	1.070	0.993	0.985	0.957	1.071	0.961	1.025	1.003	1.068	1.052	1.096	0.970	1.045	0.944	1.024	1.042	1.041	1.162	0.937
LTE Band 48_Ant 2	0.274	0.155	0.167	1.144	1.122	1.045	1.037	1.009	1.123	1.013	1.077	1.055	1.120	1.104	1.148	1.022	1.097	0.996	1.076	1.094	1.093	1.214	0.989
LTE Band 66_Ant 2	0.657	0.155	0.167	1.527	1.505	1.428	1.420	1.392	1.506	1.396	1.460	1.438	1.503	1.487	1.531	1.405	1.480	1.379	1.459	1.477	1.476	1.597	1.372
FR1 n2_Ant 2	0.601	0.155	0.167	1.471	1.449	1.372	1.364	1.336	1.450	1.340	1.404	1.382	1.447	1.431	1.475	1.349	1.424	1.323	1.403	1.421	1.420	1.541	1.316
FR1 n7_Ant 2	0.384	0.155	0.167	1.254	1.232	1.155	1.147	1.119	1.233	1.123	1.187	1.165	1.230	1.214	1.258	1.132	1.207	1.106	1.186	1.204	1.203	1.324	1.099
FR1 n48_Ant 2	0.258	0.155	0.167	1.128	1.106	1.029	1.021	0.993	1.107	0.997	1.061	1.039	1.104	1.088	1.132	1.006	1.081	0.980	1.060	1.078	1.077	1.198	0.973
FR1 n66_Ant 2	0.594	0.155	0.167	1.464	1.442	1.365	1.357	1.329	1.443	1.333	1.397	1.375	1.440	1.424	1.468	1.342	1.417	1.316	1.396	1.414	1.413	1.534	1.309
FR1 n77_Ant 2	0.346	0.155	0.167	1.216	1.194	1.117	1.109	1.081	1.195	1.085	1.149	1.127	1.192	1.176	1.220	1.094	1.169	1.068	1.148	1.166	1.165	1.286	1.061

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WWAN_Ant 2	1.296	-22.9	-51.9	-207.0	135.8	1.62	0.02	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.322	-7.5	83.0	-207.0				

**<Case 34>**

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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.480	0.498	0.497	0.618	0.393
GSM1900_Ant 2	0.661	0.170	0.167	1.546	1.524	1.447	1.439	1.411	1.525	1.415	1.479	1.457	1.522	1.506	1.550	1.424	1.499	1.398	1.478	1.496	1.495	1.616	1.391
WCDMA II_Ant 2	0.678	0.170	0.167	1.563	1.541	1.464	1.456	1.428	1.542	1.432	1.496	1.474	1.539	1.523	1.567	1.441	1.516	1.415	1.495	1.513	1.512	1.633	1.408
WCDMA IV_Ant 2	0.675	0.170	0.167	1.560	1.538	1.461	1.453	1.425	1.539	1.429	1.493	1.471	1.536	1.520	1.564	1.438	1.513	1.412	1.492	1.510	1.509	1.630	1.405
LTE Band 7_Ant 2	0.323	0.170	0.167	1.208	1.186	1.109	1.101	1.073	1.187	1.077	1.141	1.119	1.184	1.168	1.212	1.086	1.161	1.060	1.140	1.158	1.157	1.278	1.053
LTE Band 25_Ant 2	0.541	0.170	0.167	1.426	1.404	1.327	1.319	1.291	1.405	1.295	1.359	1.337	1.402	1.386	1.430	1.304	1.379	1.278	1.358	1.376	1.375	1.496	1.271
LTE Band 30_Ant 2	0.641	0.170	0.167	1.526	1.504	1.427	1.419	1.391	1.505	1.395	1.459	1.437	1.502	1.486	1.530	1.404	1.479	1.378	1.458	1.476	1.475	1.596	1.371
LTE Band 41_Ant 2	0.222	0.170	0.167	1.107	1.085	1.008	1.000	0.972	1.086	0.976	1.040	1.018	1.083	1.067	1.111	0.985	1.060	0.959	1.039	1.057	1.056	1.177	0.952
LTE Band 48_Ant 2	0.274	0.170	0.167	1.159	1.137	1.060	1.052	1.024	1.138	1.028	1.092	1.070	1.135	1.119	1.163	1.037	1.112	1.011	1.091	1.109	1.108	1.229	1.004
LTE Band 66_Ant 2	0.657	0.170	0.167	1.542	1.520	1.443	1.435	1.407	1.521	1.411	1.475	1.453	1.518	1.502	1.546	1.420	1.495	1.394	1.474	1.492	1.491	1.612	1.387
FR1 n2_Ant 2	0.601	0.170	0.167	1.486	1.464	1.387	1.379	1.351	1.465	1.355	1.419	1.397	1.462	1.446	1.490	1.364	1.439	1.338	1.418	1.436	1.435	1.556	1.331
FR1 n7_Ant 2	0.384	0.170	0.167	1.269	1.247	1.170	1.162	1.134	1.248	1.138	1.202	1.180	1.245	1.229	1.273	1.147	1.222	1.121	1.201	1.219	1.218	1.339	1.114
FR1 n48_Ant 2	0.258	0.170	0.167	1.143	1.121	1.044	1.036	1.008	1.122	1.012	1.076	1.054	1.119	1.103	1.147	1.021	1.096	0.995	1.075	1.093	1.092	1.213	0.988
FR1 n66_Ant 2	0.594	0.170	0.167	1.479	1.457	1.380	1.372	1.344	1.458	1.348	1.412	1.390	1.455	1.439	1.483	1.357	1.432	1.331	1.411	1.429	1.428	1.549	1.324
FR1 n77_Ant 2	0.346	0.170	0.167	1.231	1.209	1.132	1.124	1.096	1.210	1.100	1.164	1.142	1.207	1.191	1.235	1.109	1.184	1.083	1.163	1.181	1.180	1.301	1.076

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WWAN_Ant 2	1.296	-22.9	-51.9	-207.0	84.6	1.63	0.02	Not required
WLAN5/6G_Ant 4+3 + BT_Ant 4	0.337	-51.6	27.7	-207.0				

<Case 35>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.590	-3.0	-32.2	-209.2	57.9	1.63	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 4	1.036	-53.6	-60.3	-207.0				

**<Case 36>**

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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.487	0.571	0.480	0.433	0.457	0.372	0.453	0.454	0.455	0.494	0.479	0.361	0.331	0.416	0.473	0.491	0.475	0.417	0.590	0.469
GSM1900_Ant 2	0.596	0.254	0.168	1.505	1.589	1.498	1.451	1.475	1.390	1.471	1.472	1.473	1.512	1.497	1.379	1.349	1.434	1.491	1.509	1.493	1.435	1.608	1.487
WCDMA II_Ant 2	0.562	0.254	0.168	1.471	1.555	1.464	1.417	1.441	1.356	1.437	1.438	1.439	1.478	1.463	1.345	1.315	1.400	1.457	1.475	1.459	1.401	1.574	1.453
WCDMA IV_Ant 2	0.534	0.254	0.168	1.443	1.527	1.436	1.389	1.413	1.328	1.409	1.410	1.411	1.450	1.435	1.317	1.287	1.372	1.429	1.447	1.431	1.373	1.546	1.425
LTE Band 7_Ant 2	0.333	0.254	0.168	1.242	1.326	1.235	1.188	1.212	1.127	1.208	1.209	1.210	1.249	1.234	1.116	1.086	1.171	1.228	1.246	1.230	1.172	1.345	1.224
LTE Band 25_Ant 2	0.480	0.254	0.168	1.389	1.473	1.382	1.335	1.359	1.274	1.355	1.356	1.357	1.396	1.381	1.263	1.233	1.318	1.375	1.393	1.377	1.319	1.492	1.371
LTE Band 30_Ant 2	0.543	0.254	0.168	1.452	1.536	1.445	1.398	1.422	1.337	1.418	1.419	1.420	1.459	1.444	1.326	1.296	1.381	1.438	1.456	1.440	1.382	1.555	1.434
LTE Band 41_Ant 2	0.261	0.254	0.168	1.170	1.254	1.163	1.116	1.140	1.055	1.136	1.137	1.138	1.177	1.162	1.044	1.014	1.099	1.156	1.174	1.158	1.100	1.273	1.152
LTE Band 48_Ant 2	0.283	0.254	0.168	1.192	1.276	1.185	1.138	1.162	1.077	1.158	1.159	1.160	1.199	1.184	1.066	1.036	1.121	1.178	1.196	1.180	1.122	1.295	1.174
LTE Band 66_Ant 2	0.619	0.254	0.168	1.528	1.612	1.521	1.474	1.498	1.413	1.494	1.495	1.496	1.535	1.520	1.402	1.372	1.457	1.514	1.532	1.516	1.458	1.631	1.510
FR1 n2_Ant 2	0.529	0.254	0.168	1.438	1.522	1.431	1.384	1.408	1.323	1.404	1.405	1.406	1.445	1.430	1.312	1.282	1.367	1.424	1.442	1.426	1.368	1.541	1.420
FR1 n7_Ant 2	0.345	0.254	0.168	1.254	1.338	1.247	1.200	1.224	1.139	1.220	1.221	1.222	1.261	1.246	1.128	1.098	1.183	1.240	1.258	1.242	1.184	1.357	1.236
FR1 n48_Ant 2	0.258	0.254	0.168	1.167	1.251	1.160	1.113	1.137	1.052	1.133	1.134	1.135	1.174	1.159	1.041	1.011	1.096	1.153	1.171	1.155	1.097	1.270	1.149
FR1 n66_Ant 2	0.629	0.254	0.168	1.538	1.622	1.531	1.484	1.508	1.423	1.504	1.505	1.506	1.545	1.530	1.412	1.382	1.467	1.524	1.542	1.526	1.468	1.641	1.520
FR1 n77_Ant 2	0.409	0.254	0.168	1.318	1.402	1.311	1.264	1.288	1.203	1.284	1.285	1.286	1.325	1.310	1.192	1.162	1.247	1.304	1.322	1.306	1.248	1.421	1.300

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.590	-3.0	-32.2	-209.2	57.9	1.64	0.04	Not required
WWAN_Ant 2 + WLAN5/6G_Ant 4 + BT_Ant 4	1.051	-53.6	-60.3	-207.0				

<Case 37>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.470	-21.9	1.5	-207.0	51.1	1.72	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	1.254	-25.5	52.5	-207.0				

<Case 38>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.470	-21.9	1.5	-207.0	47.5	1.64	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	1.170	-23.9	49.0	-207.0				

<Case 39>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-21.4	49.2	-207.0	81.7	1.76	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.080	-24.4	-32.4	-207.0				

<Case 40>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-25.5	52.5	-207.0	72.5	1.68	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.996	-26.5	-20.0	-207.0				

<Case 41>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.682	-24.9	57.6	-207.0	90.0	1.63	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.947	-24.4	-32.4	-207.0				

<Case 42>

SPLSR calculation for antenna 0,5

Band	Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
			X	Y	Z				
GSM850_Ant 0	WWAN_Ant 0	0.674	-31.3	-1.8	-207.0	57.1	1.67	0.04	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
WCDMA II_Ant 0	WWAN_Ant 0	0.606	-48.1	-26.6	-207.0	85.6	1.60	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
WCDMA IV_Ant 0	WWAN_Ant 0	0.609	-18.2	-59.8	-207.0	95.8	1.60	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 7_Ant 0	WWAN_Ant 0	0.777	-46.0	-65.0	-207.0	113.3	1.77	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 13_Ant 0	WWAN_Ant 0	0.620	-23.5	-6.0	-207.0	53.5	1.61	0.04	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 14_Ant 0	WWAN_Ant 0	0.633	-26.2	-2.2	-207.0	53.2	1.63	0.04	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 25_Ant 0	WWAN_Ant 0	0.659	-49.6	-27.6	-207.0	87.3	1.65	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 30_Ant 0	WWAN_Ant 0	0.780	-40.5	-60.5	-207.0	106.5	1.77	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 41_Ant 0	WWAN_Ant 0	0.712	-46.0	-61.0	-207.0	110.0	1.71	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
LTE Band 66_Ant 0	WWAN_Ant 0	0.776	-20.2	-59.1	-207.0	95.9	1.77	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
FR1 n2_Ant 0	WWAN_Ant 0	0.633	-50.1	-25.4	-207.0	86.3	1.63	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
FR1 n7_Ant 0	WWAN_Ant 0	0.794	-45.5	-59.0	-207.0	108.1	1.79	0.02	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				
FR1 n66_Ant 0	WWAN_Ant 0	0.797	-22.9	-51.9	-209.1	90.5	1.79	0.03	Not required
FR1 n77_Ant 5	WWAN_Ant 5	0.993	16.5	29.5	-207.0				

<Case 43>

SPLSR calculation for antenna 2,5

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.795	12.1	-59.6	-207.0	89.2	1.79	0.03	Not required
WWAN_Ant 5	0.993	16.5	29.5	-207.0				

<Case 44>

SPLSR calculation for antenna 5,6

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.993	16.5	29.5	-207.0	109.4	1.77	0.02	Not required
WWAN_Ant 6	0.778	-45.0	-61.0	-207.0				

<Case 45>

SPLSR calculation for antenna 0,2

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.761	-3.0	-32.2	-209.2	62.5	1.72	0.04	Not required
WWAN_Ant 2	0.960	-53.5	-69.0	-207.0				

<Case 46>

SPLSR calculation for antenna 1,2

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.642	3.0	70.5	-207.0	150.2	1.60	0.01	Not required
WWAN_Ant 2	0.960	-54.0	-68.5	-207.0				

<Case 47>

SPLSR calculation for antenna 2,5

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.960	-54.0	-68.5	-207.0	93.6	1.78	0.03	Not required
WWAN_Ant 5	0.820	-58.0	25.0	-207.0				

<Case 48>

SPLSR calculation for antenna 2,6

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.960	-53.5	-69.0	-207.0	67.6	1.74	0.03	Not required
WWAN_Ant 6	0.783	9.5	-44.5	-207.0				

<Case 49>

SPLSR calculation for antenna 5,6

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5	0.820	-58.0	25.0	-207.0	96.9	1.60	0.02	Not required
WWAN_Ant 6	0.783	9.5	-44.5	-207.0				

<Case 50>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	7.6	-28.1	-207.0	98.7	1.65	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	1.031	3.0	70.5	-207.0				

<Case 51>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	4.3	-64.4	-207.0	93.6	1.60	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	0.981	1.4	29.2	-207.0				

<Case 52>

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

Combination	SAR	SAR peak location (mm)			Min. 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	58.4	1.60	0.03	Not required
WWAN_Ant 0 + WLAN2.4G_Ant 4	0.856	4.3	-64.4	-207.0				

<Case 53>

Hybrid SPLSR calculation for antenna 0,2,4

Combination	SAR	SAR peak location (mm)			Min. 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	51.0	1.36	0.03	Not required
WWAN_Ant 0	0.616	-4.2	-57.3	-207.0				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	135.3	1.13	0.01	Not required
WLAN5/6G_Ant 4	0.389	-35.6	74.2	-207.0				
WWAN_Ant 0	0.616	-10.2	4.2	-209.2	74.5	1.01	0.01	Not required
WLAN5/6G_Ant 4	0.389	-35.6	74.2	-207.0				

<Case 54>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.5	-69.0	-207.0	58.0	1.70	0.04	Not required
WWAN_Ant 0 + WLAN2.4G_Ant 4+3	0.955	4.3	-64.4	-207.0				

<Case 55>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.620	-40.5	-60.5	-207.0	94.3	1.61	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3	0.986	-59.4	31.9	-207.0				

<Case 56>

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

Combination	SAR	SAR peak location (mm)			Min. 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	150.2	1.63	0.01	Not required
WWAN_Ant 1 + WLAN2.4G_Ant 4	0.882	3.0	70.5	-207.0				

<Case 57>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	135.3	1.78	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	1.031	-35.6	74.2	-207.0				

<Case 58>

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

Combination	SAR	SAR peak location (mm)			Min. 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	112.3	1.73	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	0.981	1.4	29.2	-207.0				

<Case 59>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	115.2	1.71	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	1.031	3.0	70.5	-207.0				

<Case 60>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	74.1	1.66	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3	0.981	1.4	29.2	-207.0				

<Case 61>

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

Combination	SAR	SAR peak location (mm)			Min. 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	93.6	1.64	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4	0.896	-58.0	25.0	-207.0				

<Case 62>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	8.8	-71.4	-207.0	53.5	1.61	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3	1.032	-44.0	-63.0	-207.0				

<Case 63>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.5	-69.0	-207.0	67.6	1.67	0.03	Not required
WWAN_Ant 6 + WLAN2.4G_Ant 4	0.923	9.5	-44.5	-207.0				

<Case 64>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	65.0	1.82	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4	1.072	9.5	-44.5	-207.0				

<Case 65>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	67.1	1.77	0.03	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3	1.022	9.5	-44.5	-207.0				

<Case 66>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44.0	-63.0	-207.0	96.1	1.67	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3	0.986	-59.4	31.9	-207.0				

<Case 67>

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

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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.539	0.497	0.481	0.531	0.469
GSM850_Ant 1	0.431	0.166	0.389	1.473	1.602	1.563	1.419	1.443	1.404	1.439	1.451	1.474	1.480	1.465	1.391	1.410	1.404	1.459	1.525	1.483	1.467	1.517	1.455
WCDMA V_Ant 1	0.373	0.166	0.389	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	1.467	1.425	1.409	1.459	1.397
LTE Band 2_Ant 1	0.424	0.166	0.389	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	1.518	1.476	1.460	1.510	1.448
LTE Band 12_Ant 1	0.321	0.166	0.389	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	1.415	1.373	1.357	1.407	1.345
LTE Band 13_Ant 1	0.382	0.166	0.389	1.424	1.553	1.514	1.370	1.394	1.355	1.390	1.402	1.425	1.431	1.416	1.342	1.361	1.355	1.410	1.476	1.434	1.418	1.468	1.406
LTE Band 14_Ant 1	0.361	0.166	0.389	1.403	1.532	1.493	1.349	1.373	1.334	1.369	1.381	1.404	1.410	1.395	1.321	1.340	1.334	1.389	1.455	1.413	1.397	1.447	1.385
LTE Band 26_Ant 1	0.330	0.166	0.389	1.372	1.501	1.462	1.318	1.342	1.303	1.338	1.350	1.373	1.379	1.364	1.290	1.309	1.303	1.358	1.424	1.382	1.366	1.416	1.354
LTE Band 66_Ant 1	0.410	0.166	0.389	1.452	1.581	1.542	1.398	1.422	1.383	1.418	1.430	1.453	1.459	1.444	1.370	1.389	1.383	1.438	1.504	1.462	1.446	1.496	1.434
LTE Band 71_Ant 1	0.287	0.166	0.389	1.329	1.458	1.419	1.275	1.299	1.260	1.295	1.307	1.330	1.336	1.321	1.247	1.266	1.260	1.315	1.381	1.339	1.323	1.373	1.311
FR1 n5_Ant 1	0.342	0.166	0.389	1.384	1.513	1.474	1.330	1.354	1.315	1.350	1.362	1.385	1.391	1.376	1.302	1.321	1.315	1.370	1.436	1.394	1.378	1.428	1.366
FR1 n71_Ant 1	0.276	0.166	0.389	1.318	1.447	1.408	1.264	1.288	1.249	1.284	1.296	1.319	1.325	1.310	1.236	1.255	1.249	1.304	1.370	1.328	1.312	1.362	1.300
FR1 n77_Ant 1	0.642	0.166	0.389	1.684	1.813	1.774	1.630	1.654	1.615	1.650	1.662	1.685	1.691	1.676	1.602	1.621	1.615	1.670	1.736	1.694	1.678	1.728	1.666

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0	62.1	1.26	0.02	Not required
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0				
WLAN2.4G_Ant 3	0.166	7.0	38.5	-207.0	32.7	0.78	0.02	Not required
WWAN_Ant 0	0.616	-7.7	9.3	-207.0				
WLAN5/6G_Ant 4	0.395	-35.6	74.2	-207.0				
WWAN_Ant 1	0.642	3.0	70.5	-207.0	70.6	1.01	0.01	Not required
WLAN2.4G_Ant 3	0.166	7.0	38.5	-207.0				
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WLAN5/6G_Ant 4	0.395	-35.6	74.2	-207.0	38.8	1.04	0.03	Not required
WLAN2.4G_Ant 3	0.166	7.0	38.5	-207.0				
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WLAN5/6G_Ant 4	0.395	-35.6	74.2	-207.0	55.6	0.56	0.01	Not required
WLAN2.4G_Ant 3	0.166	7.0	38.5	-207.0				
WWAN_Ant 1	0.642	3.0	70.5	-207.0				

<Case 68>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	8.8	-71.4	-207.0	50.5	1.60	0.04	Not required
WWAN_Ant 0 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.031	-40.5	-60.5	-207.0				



FCC SAR TEST REPORT

Report No. :FA380306C

<Case 69>

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 1900 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 n2 Ant 2	FR1 n7 Ant 2	FR1 n48 Ant 2	FR1 n66 Ant 2	FR1 n77 Ant 2
Back	1g SAR (W/kg)			0.561	0.536	0.509	0.571	0.479	0.527	0.745	0.510	0.555	0.502	0.686	0.519	0.608	0.491
GSM850_Ant 0	0.487	0.166	0.389	1.603	1.578	1.551	1.613	1.521	1.569	1.787	1.552	1.597	1.544	1.728	1.561	1.650	1.533
GSM1900_Ant 0	0.616	0.166	0.389	1.732	1.707	1.680	1.742	1.650	1.698	1.916	1.681	1.726	1.673	1.857	1.690	1.779	1.662
WCDMA II_Ant 0	0.577	0.166	0.389	1.693	1.668	1.641	1.703	1.611	1.659	1.877	1.642	1.687	1.634	1.818	1.651	1.740	1.623
WCDMA IV_Ant 0	0.433	0.166	0.389	1.549	1.524	1.497	1.559	1.467	1.515	1.733	1.498	1.543	1.490	1.674	1.507	1.596	1.479
WCDMA V_Ant 0	0.457	0.166	0.389	1.573	1.548	1.521	1.583	1.491	1.539	1.757	1.522	1.567	1.514	1.698	1.531	1.620	1.503
LTE Band 7_Ant 0	0.418	0.166	0.389	1.534	1.509	1.482	1.544	1.452	1.500	1.718	1.483	1.528	1.475	1.659	1.492	1.581	1.464
LTE Band 12_Ant 0	0.453	0.166	0.389	1.569	1.544	1.517	1.579	1.487	1.535	1.753	1.518	1.563	1.510	1.694	1.527	1.616	1.499
LTE Band 13_Ant 0	0.465	0.166	0.389	1.581	1.556	1.529	1.591	1.499	1.547	1.765	1.530	1.575	1.522	1.706	1.539	1.628	1.511
LTE Band 14_Ant 0	0.488	0.166	0.389	1.604	1.579	1.552	1.614	1.522	1.570	1.788	1.553	1.598	1.545	1.729	1.562	1.651	1.534
LTE Band 25_Ant 0	0.494	0.166	0.389	1.610	1.585	1.558	1.620	1.528	1.576	1.794	1.559	1.604	1.551	1.735	1.568	1.657	1.540
LTE Band 26_Ant 0	0.479	0.166	0.389	1.595	1.570	1.543	1.605	1.513	1.561	1.779	1.544	1.589	1.536	1.720	1.553	1.642	1.525
LTE Band 30_Ant 0	0.405	0.166	0.389	1.521	1.496	1.469	1.531	1.439	1.487	1.705	1.470	1.515	1.462	1.646	1.479	1.568	1.451
LTE Band 41_Ant 0	0.424	0.166	0.389	1.540	1.515	1.488	1.550	1.458	1.506	1.724	1.489	1.534	1.481	1.665	1.498	1.587	1.470
LTE Band 66_Ant 0	0.418	0.166	0.389	1.534	1.509	1.482	1.544	1.452	1.500	1.718	1.483	1.528	1.475	1.659	1.492	1.581	1.464
LTE Band 71_Ant 0	0.473	0.166	0.389	1.589	1.564	1.537	1.599	1.507	1.555	1.773	1.538	1.583	1.530	1.714	1.547	1.636	1.519
FR1 n2_Ant 0	0.539	0.166	0.389	1.655	1.630	1.603	1.665	1.573	1.621	1.839	1.604	1.649	1.596	1.780	1.613	1.702	1.585
FR1 n5_Ant 0	0.497	0.166	0.389	1.613	1.588	1.561	1.623	1.531	1.579	1.797	1.562	1.607	1.554	1.738	1.571	1.660	1.543
FR1 n7_Ant 0	0.481	0.166	0.389	1.597	1.572	1.545	1.607	1.515	1.563	1.781	1.546	1.591	1.538	1.722	1.555	1.644	1.527
FR1 n66_Ant 0	0.531	0.166	0.389	1.647	1.622	1.595	1.657	1.565	1.613	1.831	1.596	1.641	1.588	1.772	1.605	1.694	1.577
FR1 n71_Ant 0	0.469	0.166	0.389	1.585	1.560	1.533	1.595	1.503	1.551	1.769	1.534	1.579	1.526	1.710	1.543	1.632	1.515

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	-4.7	-60.8	-207.0	48.9	1.36	0.03	Not required
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0	32.7	0.78	0.02	Not required
WLAN2.4GHz_Ant 3	0.166	7.0	38.5	-207.0				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0	70.6	1.01	0.01	Not required
WLAN5/6GHz_Ant 4	0.389	-35.6	74.2	-207.0				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	115.9	0.91	0.01	Not required
WLAN2.4GHz_Ant 3	0.166	7.0	38.5	-207.0				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	135.3	1.13	0.01	Not required
WLAN5/6GHz_Ant 4	0.389	-35.6	74.2	-207.0				
WLAN2.4GHz_Ant 3	0.166	7.0	38.5	-207.0	55.6	0.56	0.01	Not required
WLAN5/6GHz_Ant 4	0.389	-35.6	74.2	-207.0				

<Case 70>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.620	-22.9	-51.9	-209.1	90.0	1.66	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.044	13.4	30.4	-207.0				

<Case 71>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	7.6	-28.1	-207.0	66.6	1.68	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.062	7.0	38.5	-207.0				

<Case 72>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	115.9	1.94	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.197	7.0	38.5	-207.0				

<Case 73>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	83.0	1.88	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.197	7.0	38.5	-207.0				

<Case 74>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	12.1	-59.6	-207.0	90.0	1.62	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.044	13.4	30.4	-207.0				

<Case 75>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	84.6	1.81	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.062	-58.0	25.0	-207.0				

<Case 76>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	7.5	-62.0	-207.0	51.5	1.66	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.090	-44.0	-63.0	-207.0				

<Case 77>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	65.0	1.98	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4 + WLAN2.4G_Ant 3	1.238	9.5	-44.5	-207.0				

<Case 78>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-45.0	-61.0	-207.0	97.6	1.72	0.02	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.044	-65.0	34.5	-207.0				

<Case 79>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	83.0	1.75	0.03	Not required
WWAN_Ant 5 + WLAN2.4G_Ant 3 + WLAN5/6G_Ant 4	1.062	7.0	38.5	-207.0				

<Case 80>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.620	-40.5	-60.5	-207.0	94.3	1.63	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + 3 + BT_Ant 4	1.010	-59.4	31.9	-207.0				

<Case 81>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0	62.1	1.82	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4	1.199	3.0	70.5	-207.0				



<Case 82>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4	Bluetooth Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.539	0.497	0.481	0.531	0.469
GSM850_Ant 1	0.431	0.389	0.071	1.378	1.507	1.468	1.324	1.348	1.309	1.344	1.356	1.379	1.385	1.370	1.296	1.315	1.309	1.364	1.430	1.388	1.372	1.422	1.360
WCDMA V_Ant 1	0.373	0.389	0.071	1.320	1.449	1.410	1.266	1.290	1.251	1.286	1.298	1.321	1.327	1.312	1.238	1.257	1.251	1.306	1.372	1.330	1.314	1.364	1.302
LTE Band 2_Ant 1	0.424	0.389	0.071	1.371	1.500	1.461	1.317	1.341	1.302	1.337	1.349	1.372	1.378	1.363	1.289	1.308	1.302	1.357	1.423	1.381	1.365	1.415	1.353
LTE Band 12_Ant 1	0.321	0.389	0.071	1.268	1.397	1.358	1.214	1.238	1.199	1.234	1.246	1.269	1.275	1.260	1.186	1.205	1.199	1.254	1.320	1.278	1.262	1.312	1.250
LTE Band 13_Ant 1	0.382	0.389	0.071	1.329	1.458	1.419	1.275	1.299	1.260	1.295	1.307	1.330	1.336	1.321	1.247	1.266	1.260	1.315	1.381	1.339	1.323	1.373	1.311
LTE Band 14_Ant 1	0.361	0.389	0.071	1.308	1.437	1.398	1.254	1.278	1.239	1.274	1.286	1.309	1.315	1.300	1.226	1.245	1.239	1.294	1.360	1.318	1.302	1.352	1.290
LTE Band 26_Ant 1	0.330	0.389	0.071	1.277	1.406	1.367	1.223	1.247	1.208	1.243	1.255	1.278	1.284	1.269	1.195	1.214	1.208	1.263	1.329	1.287	1.271	1.321	1.259
LTE Band 66_Ant 1	0.410	0.389	0.071	1.357	1.486	1.447	1.303	1.327	1.288	1.323	1.335	1.358	1.364	1.349	1.275	1.294	1.288	1.343	1.409	1.367	1.351	1.401	1.339
LTE Band 71_Ant 1	0.287	0.389	0.071	1.234	1.363	1.324	1.180	1.204	1.165	1.200	1.212	1.235	1.241	1.226	1.152	1.171	1.165	1.220	1.286	1.244	1.228	1.278	1.216
FR1 n5_Ant 1	0.342	0.389	0.071	1.289	1.418	1.379	1.235	1.259	1.220	1.255	1.267	1.290	1.296	1.281	1.207	1.226	1.220	1.275	1.341	1.299	1.283	1.333	1.271
FR1 n71_Ant 1	0.276	0.389	0.071	1.223	1.352	1.313	1.169	1.193	1.154	1.189	1.201	1.224	1.230	1.215	1.141	1.160	1.154	1.209	1.275	1.233	1.217	1.267	1.205
FR1 n77_Ant 1	0.642	0.389	0.071	1.589	1.718	1.679	1.535	1.559	1.520	1.555	1.567	1.590	1.596	1.581	1.507	1.526	1.520	1.575	1.641	1.599	1.583	1.633	1.571

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + BT_Ant 3	0.687	11.0	30.5	-207.0	40.8	1.33	0.04	Not required
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WWAN_Ant 0 + BT_Ant 3	0.687	11.0	30.5	-207.0	63.9	1.08	0.02	Not required
WLAN5/6G_Ant 4	0.389	-35.6	74.2	-207.0				
WWAN_Ant 1	0.642	3.0	70.5	-207.0	38.8	1.03	0.03	Not required
WLAN5/6G_Ant 4	0.389	-35.6	74.2	-207.0				

<Case 83>

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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 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	0.539	0.497	0.481	0.531	0.469
GSM850_Ant 1	0.431	0.339	0.168	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	1.477	1.435	1.419	1.469	1.407
WCDMA V_Ant 1	0.373	0.339	0.168	1.367	1.496	1.457	1.313	1.337	1.298	1.333	1.345	1.368	1.374	1.359	1.285	1.304	1.298	1.353	1.419	1.377	1.361	1.411	1.349
LTE Band 2_Ant 1	0.424	0.339	0.168	1.418	1.547	1.508	1.364	1.388	1.349	1.384	1.396	1.419	1.425	1.410	1.336	1.355	1.349	1.404	1.470	1.428	1.412	1.462	1.400
LTE Band 12_Ant 1	0.321	0.339	0.168	1.315	1.444	1.405	1.261	1.285	1.246	1.281	1.293	1.316	1.322	1.307	1.233	1.252	1.246	1.301	1.367	1.325	1.309	1.359	1.297
LTE Band 13_Ant 1	0.382	0.339	0.168	1.376	1.505	1.466	1.322	1.346	1.307	1.342	1.354	1.377	1.383	1.368	1.294	1.313	1.307	1.362	1.428	1.386	1.370	1.420	1.358
LTE Band 14_Ant 1	0.361	0.339	0.168	1.355	1.484	1.445	1.301	1.325	1.286	1.321	1.333	1.356	1.362	1.347	1.273	1.292	1.286	1.341	1.407	1.365	1.349	1.399	1.337
LTE Band 26_Ant 1	0.330	0.339	0.168	1.324	1.453	1.414	1.270	1.294	1.255	1.290	1.302	1.325	1.331	1.316	1.242	1.261	1.255	1.310	1.376	1.334	1.318	1.368	1.306
LTE Band 66_Ant 1	0.410	0.339	0.168	1.404	1.533	1.494	1.350	1.374	1.335	1.370	1.382	1.405	1.411	1.396	1.322	1.341	1.335	1.390	1.456	1.414	1.398	1.448	1.386
LTE Band 71_Ant 1	0.287	0.339	0.168	1.281	1.410	1.371	1.227	1.251	1.212	1.247	1.259	1.282	1.288	1.273	1.199	1.218	1.212	1.267	1.333	1.291	1.275	1.325	1.263
FR1 n5_Ant 1	0.342	0.339	0.168	1.336	1.465	1.426	1.282	1.306	1.267	1.302	1.314	1.337	1.343	1.328	1.254	1.273	1.267	1.322	1.388	1.346	1.330	1.380	1.318
FR1 n71_Ant 1	0.276	0.339	0.168	1.270	1.399	1.360	1.216	1.240	1.201	1.236	1.248	1.271	1.277	1.262	1.188	1.207	1.201	1.256	1.322	1.280	1.264	1.314	1.252
FR1 n77_Ant 1	0.642	0.339	0.168	1.636	1.765	1.726	1.582	1.606	1.567	1.602	1.614	1.637	1.643	1.628	1.554	1.573	1.567	1.622	1.688	1.646	1.630	1.680	1.618

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0	62.1	1.26	0.02	Not required
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WWAN_Ant 0	0.616	-7.7	9.3	-207.0				
WLAN5/6G_Ant 3	0.339	1.4	29.2	-207.0	21.9	0.96	0.04	Not required
WWAN_Ant 0	0.616	-7.7	9.3	-207.0				
WLAN5/6G_Ant 4 + BT_Ant 4	0.507	-34.4	74.2	-207.0	70.2	1.12	0.02	Not required
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WLAN5/6G_Ant 3	0.339	1.4	29.2	-207.0	41.3	0.98	0.02	Not required
WWAN_Ant 1	0.642	3.0	70.5	-207.0				
WLAN5/6G_Ant 4 + BT_Ant 4	0.507	-34.4	74.2	-207.0	37.6	1.15	0.03	Not required
WLAN5/6G_Ant 3	0.339	1.4	29.2	-207.0				
WLAN5/6G_Ant 4 + BT_Ant 4	0.507	-34.4	74.2	-207.0	57.5	0.85	0.01	Not required
WLAN5/6G_Ant 3	0.339	1.4	29.2	-207.0				

<Case 84>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	7.6	-28.1	-207.0	57.6	1.67	0.04	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.052	1.4	29.2	-207.0				



FCC SAR TEST REPORT

Report No. :FA380306C

<Case 85>

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 1900 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 n2 Ant 2	FR1 n7 Ant 2	FR1 n48 Ant 2	FR1 n66 Ant 2	FR1 n77 Ant 2
Front	1g SAR (W/kg)			0.573	0.572	0.572	0.473	0.547	0.570	0.460	0.448	0.573	0.570	0.570	0.523	0.573	0.416
GSM850_Ant 0	0.548	0.353	0.167	1.641	1.640	1.640	1.541	1.615	1.638	1.528	1.516	1.641	1.638	1.638	1.591	1.641	1.484
GSM1900_Ant 0	0.526	0.353	0.167	1.619	1.618	1.618	1.519	1.593	1.616	1.506	1.494	1.619	1.616	1.616	1.569	1.619	1.462
WCDMA II_Ant 0	0.540	0.353	0.167	1.633	1.632	1.632	1.533	1.607	1.630	1.520	1.508	1.633	1.630	1.630	1.583	1.633	1.476
WCDMA IV_Ant 0	0.441	0.353	0.167	1.534	1.533	1.533	1.434	1.508	1.531	1.421	1.409	1.534	1.531	1.531	1.484	1.534	1.377
WCDMA V_Ant 0	0.413	0.353	0.167	1.506	1.505	1.505	1.406	1.480	1.503	1.393	1.381	1.506	1.503	1.503	1.456	1.506	1.349
LTE Band 7_Ant 0	0.525	0.353	0.167	1.618	1.617	1.617	1.518	1.592	1.615	1.505	1.493	1.618	1.615	1.615	1.568	1.618	1.461
LTE Band 12_Ant 0	0.417	0.353	0.167	1.510	1.509	1.509	1.410	1.484	1.507	1.397	1.385	1.510	1.507	1.507	1.460	1.510	1.353
LTE Band 13_Ant 0	0.488	0.353	0.167	1.581	1.580	1.580	1.481	1.555	1.578	1.468	1.456	1.581	1.578	1.578	1.531	1.581	1.424
LTE Band 14_Ant 0	0.491	0.353	0.167	1.584	1.583	1.583	1.484	1.558	1.581	1.471	1.459	1.584	1.581	1.581	1.534	1.584	1.427
LTE Band 25_Ant 0	0.524	0.353	0.167	1.617	1.616	1.616	1.517	1.591	1.614	1.504	1.492	1.617	1.614	1.614	1.567	1.617	1.460
LTE Band 26_Ant 0	0.508	0.353	0.167	1.601	1.600	1.600	1.501	1.575	1.598	1.488	1.476	1.601	1.598	1.598	1.551	1.601	1.444
LTE Band 30_Ant 0	0.620	0.353	0.167	1.713	1.712	1.712	1.613	1.687	1.710	1.600	1.588	1.713	1.710	1.710	1.663	1.713	1.556
LTE Band 41_Ant 0	0.566	0.353	0.167	1.659	1.658	1.658	1.559	1.633	1.656	1.546	1.534	1.659	1.656	1.656	1.609	1.659	1.502
LTE Band 66_Ant 0	0.505	0.353	0.167	1.598	1.597	1.597	1.498	1.572	1.595	1.485	1.473	1.598	1.595	1.595	1.548	1.598	1.441
LTE Band 71_Ant 0	0.400	0.353	0.167	1.493	1.492	1.492	1.393	1.467	1.490	1.380	1.368	1.493	1.490	1.490	1.443	1.493	1.336
FR1 n2_Ant 0	0.527	0.353	0.167	1.620	1.619	1.619	1.520	1.594	1.617	1.507	1.495	1.620	1.617	1.617	1.570	1.620	1.463
FR1 n5_Ant 0	0.521	0.353	0.167	1.614	1.613	1.613	1.514	1.588	1.611	1.501	1.489	1.614	1.611	1.611	1.564	1.614	1.457
FR1 n7_Ant 0	0.522	0.353	0.167	1.615	1.614	1.614	1.515	1.589	1.612	1.502	1.490	1.615	1.612	1.612	1.565	1.615	1.458
FR1 n66_Ant 0	0.556	0.353	0.167	1.649	1.648	1.648	1.549	1.623	1.646	1.536	1.524	1.649	1.646	1.646	1.599	1.649	1.492
FR1 n71_Ant 0	0.393	0.353	0.167	1.486	1.485	1.485	1.386	1.460	1.483	1.373	1.361	1.486	1.483	1.483	1.436	1.486	1.329

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.620	-18.2	-59.8	-207.0	29.3	1.19	0.04	Not required
WWAN_Ant 2	0.573	11.1	-60.8	-207.0				
WWAN_Ant 0	0.620	-31.7	10.8	-207.0	34.8	0.97	0.03	Not required
WLAN5/6GHz_Ant 4+3(3)	0.353	-59.4	31.9	-207.0				
WWAN_Ant 0	0.620	-31.7	10.8	-207.0	69.7	0.94	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.322	-0.6	73.2	-207.0				
WWAN_Ant 0	0.620	-31.7	10.8	-207.0	76.1	0.94	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.322	-7.5	83.0	-207.0				
WWAN_Ant 2	0.573	10.1	-59.8	-207.0	115.1	0.93	0.01	Not required
WLAN5/6GHz_Ant 4+3(3)	0.353	-59.4	31.9	-207.0				
WWAN_Ant 2	0.573	12.1	-59.6	-207.0	133.4	0.90	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.322	-0.6	73.2	-207.0				
WWAN_Ant 2	0.573	10.1	-59.8	-207.0	143.9	0.90	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.322	-7.5	83.0	-207.0				
WLAN5/6GHz_Ant 4+3(3)	0.353	-59.4	31.9	-207.0	72.8	0.68	0.01	Not required
WLAN5/6GHz_Ant 4+3(4)+BT_Ant 4	0.322	-7.5	83.0	-207.0				

<Case 86>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	8.8	-71.4	-207.0	50.5	1.63	0.04	Not required
WWAN_Ant 0 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.053	-40.5	-60.5	-207.0				

**<Case 87>**

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4	Bluetooth Ant 4	GSM 1900 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 n2 Ant 2	FR1 n7 Ant 2	FR1 n48 Ant 2	FR1 n66 Ant 2	FR1 n77 Ant 2
Back	1g SAR (W/kg)			0.561	0.536	0.509	0.571	0.479	0.527	0.745	0.510	0.555	0.502	0.686	0.519	0.608	0.491
GSM850_Ant 0	0.487	0.389	0.168	1.605	1.580	1.553	1.615	1.523	1.571	1.789	1.554	1.599	1.546	1.730	1.563	1.652	1.535
GSM1900_Ant 0	0.616	0.389	0.168	1.734	1.709	1.682	1.744	1.652	1.700	1.918	1.683	1.728	1.675	1.859	1.692	1.781	1.664
WCDMA II_Ant 0	0.577	0.389	0.168	1.695	1.670	1.643	1.705	1.613	1.661	1.879	1.644	1.689	1.636	1.820	1.653	1.742	1.625
WCDMA IV_Ant 0	0.433	0.389	0.168	1.551	1.526	1.499	1.561	1.469	1.517	1.735	1.500	1.545	1.492	1.676	1.509	1.598	1.481
WCDMA V_Ant 0	0.457	0.389	0.168	1.575	1.550	1.523	1.585	1.493	1.541	1.759	1.524	1.569	1.516	1.700	1.533	1.622	1.505
LTE Band 7_Ant 0	0.418	0.389	0.168	1.536	1.511	1.484	1.546	1.454	1.502	1.720	1.485	1.530	1.477	1.661	1.494	1.583	1.466
LTE Band 12_Ant 0	0.453	0.389	0.168	1.571	1.546	1.519	1.581	1.489	1.537	1.755	1.520	1.565	1.512	1.696	1.529	1.618	1.501
LTE Band 13_Ant 0	0.465	0.389	0.168	1.583	1.558	1.531	1.593	1.501	1.549	1.767	1.532	1.577	1.524	1.708	1.541	1.630	1.513
LTE Band 14_Ant 0	0.488	0.389	0.168	1.606	1.581	1.554	1.616	1.524	1.572	1.790	1.555	1.600	1.547	1.731	1.564	1.653	1.536
LTE Band 25_Ant 0	0.494	0.389	0.168	1.612	1.587	1.560	1.622	1.530	1.578	1.796	1.561	1.606	1.553	1.737	1.570	1.659	1.542
LTE Band 26_Ant 0	0.479	0.389	0.168	1.597	1.572	1.545	1.607	1.515	1.563	1.781	1.546	1.591	1.538	1.722	1.555	1.644	1.527
LTE Band 30_Ant 0	0.405	0.389	0.168	1.523	1.498	1.471	1.533	1.441	1.489	1.707	1.472	1.517	1.464	1.648	1.481	1.570	1.453
LTE Band 41_Ant 0	0.424	0.389	0.168	1.542	1.517	1.490	1.552	1.460	1.508	1.726	1.491	1.536	1.483	1.667	1.500	1.589	1.472
LTE Band 66_Ant 0	0.418	0.389	0.168	1.536	1.511	1.484	1.546	1.454	1.502	1.720	1.485	1.530	1.477	1.661	1.494	1.583	1.466
LTE Band 71_Ant 0	0.473	0.389	0.168	1.591	1.566	1.539	1.601	1.509	1.557	1.775	1.540	1.585	1.532	1.716	1.549	1.638	1.521
FR1 n2_Ant 0	0.539	0.389	0.168	1.657	1.632	1.605	1.667	1.575	1.623	1.841	1.606	1.651	1.598	1.782	1.615	1.704	1.587
FR1 n5_Ant 0	0.497	0.389	0.168	1.615	1.590	1.563	1.625	1.533	1.581	1.799	1.564	1.609	1.556	1.740	1.573	1.662	1.545
FR1 n7_Ant 0	0.481	0.389	0.168	1.599	1.574	1.547	1.609	1.517	1.565	1.783	1.548	1.593	1.540	1.724	1.557	1.646	1.529
FR1 n66_Ant 0	0.531	0.389	0.168	1.649	1.624	1.597	1.659	1.567	1.615	1.833	1.598	1.643	1.590	1.774	1.607	1.696	1.579
FR1 n71_Ant 0	0.469	0.389	0.168	1.587	1.562	1.535	1.597	1.505	1.553	1.771	1.536	1.581	1.528	1.712	1.545	1.634	1.517

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0+WWAN_Ant 2	1.361	-7.7	9.3	-207.0	70.6	1.92	0.04	Not required
WLAN5/6GHz_Ant 4+BT_Ant 4	0.557	-35.6	74.2	-207.0				
WWAN_Ant 0+WWAN_Ant 2	1.361	-7.7	9.3	-207.0	84.4	1.92	0.03	Not required
WLAN5/6GHz_Ant 4+BT_Ant 4	0.557	-53.0	80.5	-207.0				
WWAN_Ant 0+WWAN_Ant 2	1.361	-55.9	-59.6	-207.0	135.3	1.92	0.02	Not required
WLAN5/6GHz_Ant 4+BT_Ant 4	0.557	-35.6	74.2	-207.0				
WWAN_Ant 0+WWAN_Ant 2	1.361	-55.9	-59.6	-207.0	140.1	1.92	0.02	Not required
WLAN5/6GHz_Ant 4+BT_Ant 4	0.557	-53.0	80.5	-207.0				

<Case 88>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + BT_Ant 3	0.687	-4.7	-60.8	-207.0	49.5	1.43	0.03	Not required
WWAN_Ant 2	0.745	-53.5	-69.0	-207.0				
WWAN_Ant 0 + BT_Ant 3	0.687	11.0	30.5	-207.0	63.9	1.08	0.02	Not required
WLAN5/6G_Ant 4	0.389	-35.6	74.2	-207.0				
WWAN_Ant 2	0.745	-53.5	-69.0	-207.0	144.3	1.13	0.01	Not required
WLAN5/6G_Ant 4	0.389	-35.6	74.2	-207.0				

<Case 89>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.955	-4.7	-60.8	-207.0	49.5	1.70	0.04	Not required
WWAN_Ant 2	0.745	-53.5	-69.0	-207.0				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.955	1.4	29.2	-207.0	71.9	1.12	0.02	Not required
BT_Ant 4	0.168	-50.5	79.0	-207.0				
WWAN_Ant 2	0.745	-53.5	-69.0	-207.0	148.0	0.91	0.01	Not required
BT_Ant 4	0.168	-50.5	79.0	-207.0				

<Case 90>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN5/6G_Ant 3 + BT_Ant 3	0.954	-4.7	-60.8	-207.0	49.9	1.70	0.04	Not required
WWAN_Ant 2	0.745	-54.0	-68.5	-207.0				
WWAN_Ant 0 + WLAN5/6G_Ant 3 + BT_Ant 3	0.954	1.4	29.2	-207.0	57.5	1.29	0.03	Not required
WLAN5/6G_Ant 4	0.339	-34.4	74.2	-207.0				
WWAN_Ant 2	0.745	-54.0	-68.5	-207.0	144.0	1.08	0.01	Not required
WLAN5/6G_Ant 4	0.339	-34.4	74.2	-207.0				

<Case 91>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.620	-40.5	-60.5	-207.0	105.7	1.64	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.016	13.4	30.4	-207.0				

<Case 92>

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	FR1 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.548	0.526	0.540	0.441	0.413	0.525	0.417	0.488	0.491	0.524	0.508	0.620	0.566	0.505	0.400	0.527	0.521	0.522	0.556	0.393
LTE Band 2_Ant 5	0.633	0.353	0.167	1.701	1.679	1.693	1.594	1.566	1.678	1.570	1.641	1.644	1.677	1.661	1.773	1.719	1.658	1.553	1.680	1.674	1.675	1.709	1.546
LTE Band 66_Ant 5	0.125	0.353	0.167	1.193	1.171	1.185	1.086	1.058	1.170	1.062	1.133	1.136	1.169	1.153	1.265	1.211	1.150	1.045	1.172	1.166	1.167	1.201	1.038
FR1 n77_Ant 5	0.581	0.353	0.167	1.649	1.627	1.641	1.542	1.514	1.626	1.518	1.589	1.592	1.625	1.609	1.721	1.667	1.606	1.501	1.628	1.622	1.623	1.657	1.494

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.973	-31.7	10.8	-207.0	49.2	1.61	0.04	Not required
WWAN_Ant 5	0.633	13.4	30.4	-207.0				
WWAN_Ant 0 + WLAN5/6G_Ant 3	0.973	-31.7	10.8	-207.0	69.7	1.49	0.03	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.520	-0.6	73.2	-207.0				
WWAN_Ant 5	0.633	13.4	30.4	-207.0	45.0	1.15	0.03	Not required
WLAN5/6G_Ant 4 + BT_Ant 4	0.520	-0.6	73.2	-207.0				

<Case 93>

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 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 n2 Ant 0	FR1 n5 Ant 0	FR1 n7 Ant 0	FR1 n66 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.548	0.526	0.540	0.441	0.413	0.525	0.417	0.488	0.491	0.524	0.508	0.620	0.566	0.505	0.400	0.527	0.521	0.522	0.556	0.393
LTE Band 2_Ant 5	0.633	0.353	0.080	1.614	1.592	1.606	1.507	1.479	1.591	1.483	1.554	1.557	1.590	1.574	1.686	1.632	1.571	1.466	1.593	1.587	1.588	1.622	1.459
LTE Band 66_Ant 5	0.125	0.353	0.080	1.106	1.084	1.098	0.999	0.971	1.083	0.975	1.046	1.049	1.082	1.066	1.178	1.124	1.063	0.958	1.085	1.079	1.080	1.114	0.951
FR1 n77_Ant 5	0.581	0.353	0.080	1.562	1.540	1.554	1.455	1.427	1.539	1.431	1.502	1.505	1.538	1.522	1.634	1.580	1.519	1.414	1.541	1.535	1.536	1.570	1.407

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0 + WLAN5/6G_Ant 3 + BT_Ant 3	1.053	-31.3	-1.8	-207.0	55.1	1.69	0.04	Not required
WWAN_Ant 5	0.633	13.4	30.4	-207.0				
WWAN_Ant 0 + WLAN5/6G_Ant 3 + BT_Ant 3	1.053	-59.4	31.9	-207.0	71.9	1.41	0.02	Not required
WLAN5/6G_Ant 4	0.353	-0.6	73.2	-207.0				
WWAN_Ant 5	0.633	13.4	30.4	-207.0	45.0	0.99	0.02	Not required
WLAN5/6G_Ant 4	0.353	-0.6	73.2	-207.0				

<Case 94>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	7.6	-28.1	-207.0	84.4	1.68	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.064	-58.0	25.0	-207.0				

<Case 95>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.616	4.3	-64.4	-207.0	93.6	1.63	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.014	1.4	29.2	-207.0				

<Case 96>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	135.3	1.94	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	1.199	-35.6	74.2	-207.0				

<Case 97>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	111.4	1.85	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	1.102	11.0	30.5	-207.0				

<Case 98>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	105.0	1.89	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.149	1.4	29.2	-207.0				

<Case 99>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	105.0	1.80	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.052	1.4	29.2	-207.0				

<Case 100>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44.0	-63.0	-207.0	96.1	1.69	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.010	-59.4	31.9	-207.0				

<Case 101>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44.0	-63.0	-207.0	95.7	1.60	0.02	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.923	-66.5	30.0	-207.0				

<Case 102>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	101.3	1.88	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 4	1.199	-0.2	56.3	-207.0				

<Case 103>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	75.0	1.79	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4 + BT_Ant 3	1.102	11.0	30.5	-207.0				

<Case 104>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	74.1	1.83	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.149	1.4	29.2	-207.0				

<Case 105>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	74.1	1.74	0.03	Not required
WWAN_Ant 1 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.052	1.4	29.2	-207.0				

<Case 106>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	12.1	-59.6	-207	89.2	1.73	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.153	16.5	29.5	-207				

<Case 107>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	12.1	-59.6	-207	90.0	1.64	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.066	13.4	30.4	-207				

<Case 108>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	84.6	1.81	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.064	-58.0	25.0	-207.0				

<Case 109>

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

Combination	SAR	SAR peak location (mm)			Min. 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	93.6	1.71	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.967	-58.0	25.0	-207.0				

<Case 110>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-55.9	-59.6	-207.0	84.6	1.76	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.014	-58.0	25.0	-207.0				

<Case 111>

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

Combination	SAR	SAR peak location (mm)			Min. 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	93.6	1.66	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.917	-58.0	25.0	-207.0				

<Case 112>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	8.8	-71.4	-207.0	53.5	1.64	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4 + BT_Ant 4	1.062	-44.0	-63.0	-207.0				

<Case 113>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	4.5	-69.0	-207.0	48.9	1.58	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4 + BT_Ant 4	1.003	-44.0	-63.0	-207.0				
WWAN_Ant 2	0.573	10.1	-59.8	-207.0	115.1	0.93	0.01	Not required
WLAN5/6G_Ant 3	0.353	-59.4	31.9	-207.0				
WLAN5/6G_Ant 4 + BT_Ant 4	1.003	-0.6	73.2	-207.0	71.9	1.36	0.02	Not required
WLAN5/6G_Ant 3	0.353	-59.4	31.9	-207.0				

<Case 114>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.573	7.5	-62.0	-207.0	51.5	1.69	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.112	-44.0	-63.0	-207.0				

<Case 115>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	65.0	1.99	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4 + BT_Ant 4	1.240	9.5	-44.5	-207.0				

<Case 116>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	65.0	1.89	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4 + BT_Ant 3	1.143	9.5	-44.5	-207.0				

<Case 117>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	65.0	1.94	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.190	9.5	-44.5	-207.0				

<Case 118>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 2	0.745	-53.6	-60.3	-207.0	65.0	1.84	0.04	Not required
WWAN_Ant 6 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.093	9.5	-44.5	-207.0				

<Case 119>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44.0	-63.0	-207.0	109.6	1.70	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+ BT_Ant 4	1.016	13.4	30.4	-207.0				

<Case 120>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-44.0	-63.0	-207.0	95.7	1.61	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+ BT_Ant 3	0.929	-66.5	30.0	-207.0				

<Case 121>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-45.0	-61.0	-207.0	94.0	1.83	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.153	-59.4	31.9	-207.0				

<Case 122>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.679	-45.0	-61.0	-207.0	93.5	1.75	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	1.066	-66.5	30.0	-207.0				

<Case 123>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	96.9	1.75	0.02	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 4	1.064	-58.0	25.0	-207.0				

<Case 124>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	75.0	1.65	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4 + BT_Ant 3	0.967	11.0	30.5	-207.0				

<Case 125>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	74.1	1.70	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 4	1.014	1.4	29.2	-207.0				

<Case 126>

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

Combination	SAR	SAR peak location (mm)			Min. 3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 6	0.683	9.5	-44.5	-207.0	74.1	1.60	0.03	Not required
WWAN_Ant 5 + WLAN5/6G_Ant 4+3 + BT_Ant 3	0.917	1.4	29.2	-207.0				