



Appendix F. Sim-Tx SAR consideration

F.1 Sim-Tx Configuration

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



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

General Note:

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



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, 5GNR NRDC and LTE/FR1 intra-band/inter-band uplink CA are in compliance with FCC requirements, while the RF exposure from 2G, NTN 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 or 5GNR DC, the power ratio factors are g1 and g2 for LTE/NR and NR respectively. The purpose of these power ratio factors is to split the available SAR budget among different RATs, so g1 + g2 ≤ 1. The value of g1 is computed based on the need of the anchor (LTE) and can be changed if the anchor changes its power request. Based on the SAR Budget portion allocated to the anchor, the value of g2 will be computed. At steady state (where all RATs are being on for a while), the allocated power ratio factors will guarantee that the total exposure ratio never exceeds the highest exposure of either one.

g1* LTEexposure + g2* NRexposure ≤ 1.0,

then, g1* LTEexposure + g2* NRexposure ≤ max (LTEexposure , NRexposure)

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

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

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.

Table with 5 columns: AG0, AG1, AG2, external radio, and Antenna. AG0 contains Ant 0, Ant 6; AG1 contains Ant 1, Ant 5; AG2 contains Ant 2, Ant 7; external radio contains WLAN/BT/Thread/NFC/UWB.

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

- i) The highest reported SAR at 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.
ii) 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.
iii) If SPLSR evaluation and analysis is needed to determine compliance for a certain power index configuration, SPLSR is performed by taking the highest summation SAR for each of the supported technologies and bands per antenna, along with the minimum of peak SAR location distance. The minimum of peak location distance are documented in the Highest Report SAR and Hotspot Location below for each power index configuration.
iv) In section F.6 SPLSR analysis only evaluation Sim-Tx SAR configuration are rounded to two decimal higher or equal to 1.6W/kg.
v) The analysis addresses the simultaneous transmission and the transition among non-simultaneous transmission radios



F.3 Head Sim-Tx analysis

<WLAN Index1, BT Index1>

Exposure Position	2	3	4	5	6	7	8	5+6 Summed 1g SAR (W/kg)	5+7 Summed 1g SAR (W/kg)	5+8 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4	Bluetooth /Thread Ant 3	Bluetooth Ant 4	Bluetooth Ant 3+4			
Right Cheek	1.116	0.561	0.618	1.126	0.167	0.061	0.189	1.293	1.187	1.315
Right Tilted	0.220	0.327	0.367	0.732	0.037	0.047	0.067	0.769	0.779	0.799
Left Cheek	0.734	1.109	0.950	0.687	0.082	0.190	0.123	0.769	0.877	0.810
Left Tilted	0.169	0.489	0.476	0.599	0.019	0.100	0.101	0.618	0.699	0.700

<WLAN Index2>

Exposure Position	2	3	4	5	2+5 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4			
Right Cheek	0.886	0.445	0.660	0.664	1.550	1.109	1.324
Right Tilted	0.175	0.260	0.243	0.456	0.631	0.716	0.699
Left Cheek	0.583	0.881	0.584	0.633	1.216	1.514	1.217
Left Tilted	0.134	0.389	0.383	0.373	0.507	0.762	0.756

<WLAN Index3, BT Index1>

Exposure Position	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 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+5+8 Summed 1g SAR (W/kg)
	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5G/6GHz Ant 3+4	Bluetooth /Thread Ant 3	Bluetooth Ant 4	Bluetooth Ant 3+4							
Right Cheek	0.326	0.199	0.383	0.241	0.167	0.061	0.189	0.326	0.199	0.383	0.241	0.408	0.302	0.430
Right Tilted	0.066	0.072	0.179	0.182	0.037	0.047	0.067	0.066	0.072	0.179	0.182	0.219	0.229	0.249
Left Cheek	0.226	0.286	0.348	0.213	0.082	0.190	0.123	0.226	0.286	0.348	0.213	0.295	0.403	0.336
Left Tilted	0.044	0.178	0.178	0.145	0.019	0.100	0.101	0.044	0.178	0.178	0.145	0.164	0.245	0.246

<WLAN Index4>

Exposure Position	2	3	4	5	1+2+5 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4			
Right Cheek	0.205	0.126	0.225	0.241	0.446	0.367	0.466
Right Tilted	0.041	0.045	0.105	0.182	0.223	0.227	0.287
Left Cheek	0.142	0.180	0.205	0.213	0.355	0.393	0.418
Left Tilted	0.028	0.112	0.112	0.145	0.173	0.257	0.257

<WWAN Index2>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	Max Ant 7	Ant 0+1 Summed 1g SAR (W/kg)	Ant 0+2 Summed 1g SAR (W/kg)	Ant 0+5 Summed 1g SAR (W/kg)	Ant 0+7 Summed 1g SAR (W/kg)	Ant 1+2 Summed 1g SAR (W/kg)	Ant 1+6 Summed 1g SAR (W/kg)	Ant 1+7 Summed 1g SAR (W/kg)	Ant 2+5 Summed 1g SAR (W/kg)	Ant 2+6 Summed 1g SAR (W/kg)	Ant 5+6 Summed 1g SAR (W/kg)	Ant 5+7 Summed 1g SAR (W/kg)	Ant 6+7 Summed 1g SAR (W/kg)	Ant 1+2 SPLSR	Ant 1+2 Case No.
	WWAN	WWAN	WWAN	WWAN	WWAN	WWAN														
Right Cheek at 0mm	0.341	0.922	0.832	0.473	0.256	0.324	1.263	1.173	0.814	0.665	1.754	1.178	1.246	1.305	1.088	0.729	0.797	0.580	0.03	Case1
Right Tilted at 0mm	0.211	0.871	0.363	0.469	0.378	0.119	1.082	0.574	0.680	0.330	1.234	1.249	0.990	0.832	0.741	0.847	0.588	0.497		
Left Cheek at 0mm	0.427	0.760	0.368	0.863	0.593	0.179	1.187	0.795	1.290	0.606	1.128	1.353	0.939	1.231	0.961	1.456	1.042	0.772		
Left Tilted at 0mm	0.224	0.986	0.386	0.677	0.248	0.182	1.210	0.610	0.901	0.406	1.372	1.234	1.168	1.063	0.634	0.925	0.859	0.430		



<WWAN Index3, WLAN Index4>

Antenna	Exposure Position	0	1	2	3	4	5	0+1+2+5 Summed 1g SAR (W/kg)	0+1+3+5 Summed 1g SAR (W/kg)	0+1+4+5 Summed 1g SAR (W/kg)	0+1+2+5 SPLSR	0+1+2+5 Case No.	0+1+3+5 SPLSR	0+1+3+5 Case No.	0+1+4+5 SPLSR	0+1+4+5 Case No.				
		Maximum WWAN	Maximum WWAN	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5/6GHz Ant 3+4										1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)													
Ant 0+1	Right Cheek	0.290	0.785	0.205	0.126	0.225	0.241	1.521	1.442	1.541										
	Right Tilted	0.211	0.742	0.041	0.045	0.105	0.182	1.176	1.180	1.240										
	Left Cheek	0.384	0.647	0.142	0.180	0.205	0.213	1.386	1.424	1.449										
	Left Tilted	0.224	0.840	0.028	0.112	0.112	0.145	1.237	1.321	1.321										
Ant 0+2	Right Cheek	0.290	0.718	0.205	0.126	0.225	0.241	1.454	1.375	1.474										
	Right Tilted	0.211	0.317	0.041	0.045	0.105	0.182	0.751	0.755	0.815										
	Left Cheek	0.384	0.368	0.142	0.180	0.205	0.213	1.107	1.145	1.170										
	Left Tilted	0.224	0.356	0.028	0.112	0.112	0.145	0.753	0.837	0.837										
Ant 0+5	Right Cheek	0.290	0.403	0.205	0.126	0.225	0.241	1.139	1.060	1.159										
	Right Tilted	0.211	0.399	0.041	0.045	0.105	0.182	0.833	0.837	0.897										
	Left Cheek	0.384	0.735	0.142	0.180	0.205	0.213	1.474	1.512	1.537										
	Left Tilted	0.224	0.577	0.028	0.112	0.112	0.145	0.974	1.058	1.058										
Ant 0+7	Right Cheek	0.290	0.324	0.205	0.126	0.225	0.241	1.060	0.981	1.080										
	Right Tilted	0.211	0.119	0.041	0.045	0.105	0.182	0.553	0.557	0.617										
	Left Cheek	0.384	0.179	0.142	0.180	0.205	0.213	0.918	0.956	0.981										
	Left Tilted	0.224	0.182	0.028	0.112	0.112	0.145	0.579	0.663	0.663										
Ant 1+2	Right Cheek	0.785	0.718	0.205	0.126	0.225	0.241	1.949	1.870	1.969	0.04	Case 14	0.03	Case 15	0.04	Case 16				
	Right Tilted	0.742	0.317	0.041	0.045	0.105	0.182	1.282	1.286	1.346										
	Left Cheek	0.647	0.368	0.142	0.180	0.205	0.213	1.370	1.408	1.433										
	Left Tilted	0.840	0.356	0.028	0.112	0.112	0.145	1.369	1.453	1.453										
Ant 1+6	Right Cheek	0.785	0.256	0.205	0.126	0.225	0.241	1.487	1.408	1.507										
	Right Tilted	0.742	0.378	0.041	0.045	0.105	0.182	1.343	1.347	1.407										
	Left Cheek	0.647	0.593	0.142	0.180	0.205	0.213	1.595	1.633	1.658	0.03	Case 17	0.03	Case 18	0.04	Case 19				
	Left Tilted	0.840	0.248	0.028	0.112	0.112	0.145	1.261	1.345	1.345										
Ant 1+7	Right Cheek	0.785	0.324	0.205	0.126	0.225	0.241	1.555	1.476	1.575										
	Right Tilted	0.742	0.119	0.041	0.045	0.105	0.182	1.084	1.088	1.148										
	Left Cheek	0.647	0.179	0.142	0.180	0.205	0.213	1.181	1.219	1.244										
	Left Tilted	0.840	0.182	0.028	0.112	0.112	0.145	1.195	1.279	1.279										
Ant 2+5	Right Cheek	0.718	0.403	0.205	0.126	0.225	0.241	1.567	1.488	1.587										
	Right Tilted	0.317	0.399	0.041	0.045	0.105	0.182	0.939	0.943	1.003										
	Left Cheek	0.368	0.735	0.142	0.180	0.205	0.213	1.458	1.496	1.521										
	Left Tilted	0.356	0.577	0.028	0.112	0.112	0.145	1.106	1.190	1.190										
Ant 2+6	Right Cheek	0.718	0.256	0.205	0.126	0.225	0.241	1.420	1.341	1.440										
	Right Tilted	0.317	0.378	0.041	0.045	0.105	0.182	0.918	0.922	0.982										
	Left Cheek	0.368	0.593	0.142	0.180	0.205	0.213	1.316	1.354	1.379										
	Left Tilted	0.356	0.248	0.028	0.112	0.112	0.145	0.777	0.861	0.861										
Ant 5+6	Right Cheek	0.403	0.256	0.205	0.126	0.225	0.241	1.105	1.026	1.125										
	Right Tilted	0.399	0.378	0.041	0.045	0.105	0.182	1.000	1.004	1.064										
	Left Cheek	0.735	0.593	0.142	0.180	0.205	0.213	1.683	1.721	1.746	0.03	Case 20	0.04	Case 21	0.03 0.04	Case 22				
	Left Tilted	0.577	0.248	0.028	0.112	0.112	0.145	0.998	1.082	1.082										
Ant 5+7	Right Cheek	0.403	0.324	0.205	0.126	0.225	0.241	1.173	1.094	1.193										
	Right Tilted	0.399	0.119	0.041	0.045	0.105	0.182	0.741	0.745	0.805										
	Left Cheek	0.735	0.179	0.142	0.180	0.205	0.213	1.269	1.307	1.332										
	Left Tilted	0.577	0.182	0.028	0.112	0.112	0.145	0.932	1.016	1.016										
Ant 6+7	Right Cheek	0.256	0.324	0.205	0.126	0.225	0.241	1.026	0.947	1.046										
	Right Tilted	0.378	0.119	0.041	0.045	0.105	0.182	0.720	0.724	0.784										
	Left Cheek	0.593	0.179	0.142	0.180	0.205	0.213	1.127	1.165	1.190										
	Left Tilted	0.248	0.182	0.028	0.112	0.112	0.145	0.603	0.687	0.687										



F.4 Hotspot Sim-Tx analysis

<WWAN Index4, WLAN Index7>

	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+1+3 Summed 1g SAR (W/kg)	0+1+4 Summed 1g SAR (W/kg)	0+1+5 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+1+3 SPLSR	0+1+3 Case No.	0+1+4 SPLSR	0+1+4 Case No.	0+1+5 SPLSR	0+1+5 Case No.	
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN 5GHz Ant 3+4 1g SAR (W/kg)													
Ant 0+1	Front	0.469	0.684	0.260	0.168	0.278	0.239	1.413	1.321	1.431	1.392									
	Back	0.750	0.844	0.351	0.270	0.362	0.392	1.945	1.864	1.956	1.986	0.03	Case 23	0.02	Case 24	0.03	Case 25	0.02	Case 26	
	Left side	0.715	0.430	0.423	0.001	0.448	0.463	1.568	1.146	1.593	1.608							0.03	Case 27	
	Right side	0.388	0.368	0.009	0.320	0.372	0.091	0.765	1.076	1.128	0.847									
	Top side		0.849	0.035	0.053	0.113	0.161	0.884	0.902	0.962	1.010									
	Bottom side	0.849						0.849	0.849	0.849	0.849									
Ant 0+2	Front	0.469	0.519	0.260	0.168	0.278	0.239	1.248	1.156	1.266	1.227									
	Back	0.750	0.536	0.351	0.270	0.362	0.392	1.637	1.556	1.648	1.678	0.02	Case 28			0.03	Case 29	0.02	Case 30	
	Left side	0.715	0.135	0.423	0.001	0.448	0.463	1.273	0.851	1.298	1.313									
	Right side	0.388	0.850	0.009	0.320	0.372	0.091	1.247	1.558	1.610	1.329					0.04	Case 31			
	Top side			0.035	0.053	0.113	0.161	0.035	0.053	0.113	0.161									
	Bottom side	0.849	0.412					1.261	1.261	1.261	1.261									
Ant 0+5	Front	0.469	0.538	0.260	0.168	0.278	0.239	1.267	1.175	1.285	1.246									
	Back	0.750	0.606	0.351	0.270	0.362	0.392	1.707	1.626	1.718	1.748	0.02	Case 32	0.02	Case 33	0.02	Case 34	0.02	Case 35	
	Left side	0.715	0.133	0.423	0.001	0.448	0.463	1.271	0.849	1.296	1.311									
	Right side	0.388	0.779	0.009	0.320	0.372	0.091	1.176	1.487	1.539	1.258									
	Top side		0.505	0.035	0.053	0.113	0.161	0.540	0.558	0.618	0.666									
	Bottom side	0.849						0.849	0.849	0.849	0.849									
Ant 0+7	Front	0.469	0.466	0.260	0.168	0.278	0.239	1.195	1.103	1.213	1.174									
	Back	0.750	0.459	0.351	0.270	0.362	0.392	1.560	1.479	1.571	1.601							0.02	Case 36	
	Left side	0.715	0.134	0.423	0.001	0.448	0.463	1.272	0.850	1.297	1.312									
	Right side	0.388	0.671	0.009	0.320	0.372	0.091	1.068	1.379	1.431	1.150									
	Top side			0.035	0.053	0.113	0.161	0.035	0.053	0.113	0.161									
	Bottom side	0.849	0.227					1.076	1.076	1.076	1.076									
Ant 1+2	Front	0.684	0.519	0.260	0.168	0.278	0.239	1.463	1.371	1.481	1.442									
	Back	0.844	0.536	0.351	0.270	0.362	0.392	1.731	1.650	1.742	1.772	0.02	Case 37	0.03	Case 38	0.03	Case 39	0.02	Case 40	
	Left side	0.430	0.135	0.423	0.001	0.448	0.463	0.988	0.566	1.013	1.028									
	Right side	0.368	0.850	0.009	0.320	0.372	0.091	1.227	1.538	1.590	1.309									
	Top side	0.849		0.035	0.053	0.113	0.161	0.884	0.902	0.962	1.010									
	Bottom side		0.412					0.412	0.412	0.412	0.412									
Ant 1+6	Front	0.684	0.281	0.260	0.168	0.278	0.239	1.225	1.133	1.243	1.204									
	Back	0.844	0.514	0.351	0.270	0.362	0.392	1.709	1.628	1.720	1.750	0.03	Case 41	0.02	Case 42	0.03	Case 43	0.02	Case 44	
	Left side	0.430	0.605	0.423	0.001	0.448	0.463	1.458	1.036	1.483	1.498									
	Right side	0.368	0.064	0.009	0.320	0.372	0.091	0.441	0.752	0.804	0.523									
	Top side	0.849		0.035	0.053	0.113	0.161	0.884	0.902	0.962	1.010									
	Bottom side		0.277					0.277	0.277	0.277	0.277									
Ant 1+7	Front	0.684	0.466	0.260	0.168	0.278	0.239	1.410	1.318	1.428	1.389									
	Back	0.844	0.459	0.351	0.270	0.362	0.392	1.654	1.573	1.665	1.695	0.02	Case 45			0.03	Case 46	0.02	Case 47	
	Left side	0.430	0.134	0.423	0.001	0.448	0.463	0.987	0.565	1.012	1.027									
	Right side	0.368	0.671	0.009	0.320	0.372	0.091	1.048	1.359	1.411	1.130									
	Top side	0.849		0.035	0.053	0.113	0.161	0.884	0.902	0.962	1.010									
	Bottom side		0.227					0.227	0.227	0.227	0.227									
Ant 2+5	Front	0.519	0.538	0.260	0.168	0.278	0.239	1.317	1.225	1.335	1.296									
	Back	0.536	0.606	0.351	0.270	0.362	0.392	1.493	1.412	1.504	1.534									
	Left side	0.135	0.133	0.423	0.001	0.448	0.463	0.691	0.269	0.716	0.731									
	Right side	0.850	0.779	0.009	0.320	0.372	0.091	1.638	1.949	2.001	1.720	0.02	Case 48	0.03	Case 49	0.04	Case 50	0.03	Case 51	
	Top side		0.505	0.035	0.053	0.113	0.161	0.540	0.558	0.618	0.666									



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	Bottom side	0.412						0.412	0.412	0.412	0.412								
Ant 2+6	Front	0.519	0.281	0.260	0.168	0.278	0.239	1.060	0.968	1.078	1.039								
	Back	0.536	0.514	0.351	0.270	0.362	0.392	1.401	1.320	1.412	1.442								
	Left side	0.135	0.605	0.423	0.001	0.448	0.463	1.163	0.741	1.188	1.203								
	Right side	0.850	0.064	0.009	0.320	0.372	0.091	0.923	1.234	1.286	1.005								
	Top side			0.035	0.053	0.113	0.161	0.035	0.053	0.113	0.161								
	Bottom side	0.412	0.277					0.689	0.689	0.689	0.689								
Ant 5+6	Front	0.538	0.281	0.260	0.168	0.278	0.239	1.079	0.987	1.097	1.058								
	Back	0.606	0.514	0.351	0.270	0.362	0.392	1.471	1.390	1.482	1.512								
	Left side	0.133	0.605	0.423	0.001	0.448	0.463	1.161	0.739	1.186	1.201								
	Right side	0.779	0.064	0.009	0.320	0.372	0.091	0.852	1.163	1.215	0.934								
	Top side	0.505		0.035	0.053	0.113	0.161	0.540	0.558	0.618	0.666								
	Bottom side		0.277					0.277	0.277	0.277	0.277								
Ant 5+7	Front	0.538	0.466	0.260	0.168	0.278	0.239	1.264	1.172	1.282	1.243								
	Back	0.606	0.459	0.351	0.270	0.362	0.392	1.416	1.335	1.427	1.457								
	Left side	0.133	0.134	0.423	0.001	0.448	0.463	0.690	0.268	0.715	0.730								
	Right side	0.779	0.671	0.009	0.320	0.372	0.091	1.459	1.770	1.822	1.541		0.03	Case 52	0.03	Case 53			
	Top side	0.505		0.035	0.053	0.113	0.161	0.540	0.558	0.618	0.666								
	Bottom side		0.227					0.227	0.227	0.227	0.227								
Ant 6+7	Front	0.281	0.466	0.260	0.168	0.278	0.239	1.007	0.915	1.025	0.986								
	Back	0.514	0.459	0.351	0.270	0.362	0.392	1.324	1.243	1.335	1.365								
	Left side	0.605	0.134	0.423	0.001	0.448	0.463	1.162	0.740	1.187	1.202								
	Right side	0.064	0.671	0.009	0.320	0.372	0.091	0.744	1.055	1.107	0.826								
	Top side			0.035	0.053	0.113	0.161	0.035	0.053	0.113	0.161								
	Bottom side	0.277	0.227					0.504	0.504	0.504	0.504								

<WWAN Index4, WLAN Index8>

Antenna	Exposure Position	0	1	2	3	4	5	0+1+2+5 Summed 1g SAR (W/kg)	0+1+3+5 Summed 1g SAR (W/kg)	0+1+4+5 Summed 1g SAR (W/kg)	0+1+2+5 SPLSR	0+1+2+5 Case No.	0+1+3+5 SPLSR	0+1+3+5 Case No.	0+1+4+5 SPLSR	0+1+4+5 Case No.	
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN 5GHz Ant 3+4 1g SAR (W/kg)										
Ant 0+1	Front	0.469	0.684	0.138	0.078	0.145	0.168	1.459	1.399	1.466							
	Back	0.750	0.844	0.180	0.131	0.182	0.130	1.904	1.855	1.906	0.03	Case 54	0.02	Case 55	0.03	Case 56	
	Left side	0.715	0.430	0.225	0.001	0.215	0.270	1.640	1.416	1.630	0.04	Case 57			0.03	Case 58	
	Right side	0.388	0.368	0.001	0.149	0.123	0.066	0.823	0.971	0.945							
	Top side		0.849	0.001	0.017	0.036	0.075	0.925	0.941	0.960							
	Bottom side	0.849						0.849	0.849	0.849							
Ant 0+2	Front	0.469	0.519	0.138	0.078	0.145	0.168	1.294	1.234	1.301							
	Back	0.750	0.536	0.180	0.131	0.182	0.130	1.596	1.547	1.598	0.02	Case 59			0.02	Case 60	
	Left side	0.715	0.135	0.225	0.001	0.215	0.270	1.345	1.121	1.335							
	Right side	0.388	0.850	0.001	0.149	0.123	0.066	1.305	1.453	1.427							
	Top side			0.001	0.017	0.036		0.001	0.017	0.036							
	Bottom side	0.849	0.412					1.261	1.261	1.261							
Ant 0+5	Front	0.469	0.538	0.138	0.078	0.145	0.168	1.313	1.253	1.320							
	Back	0.750	0.606	0.180	0.131	0.182	0.130	1.666	1.617	1.668	0.02	Case 61	0.02	Case 62	0.02	Case 63	
	Left side	0.715	0.133	0.225	0.001	0.215	0.270	1.343	1.119	1.333							
	Right side	0.388	0.779	0.001	0.149	0.123	0.066	1.234	1.382	1.356							
	Top side		0.505	0.001	0.017	0.036		0.506	0.522	0.541							
	Bottom side	0.849						0.849	0.849	0.849							
Ant 0+7	Front	0.469	0.466	0.138	0.078	0.145	0.168	1.241	1.181	1.248							
	Back	0.750	0.459	0.180	0.131	0.182	0.130	1.519	1.470	1.521							
	Left side	0.715	0.134	0.225	0.001	0.215	0.270	1.344	1.120	1.334							
	Right side	0.388	0.671	0.001	0.149	0.123	0.066	1.126	1.274	1.248							
	Top side			0.001	0.017	0.036		0.001	0.017	0.036							



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	Bottom side	0.849	0.227					1.076	1.076	1.076						
Ant 1+2	Front	0.684	0.519	0.138	0.078	0.145	0.168	1.509	1.449	1.516						
	Back	0.844	0.536	0.180	0.131	0.182	0.130	1.690	1.641	1.692	0.02	Case 64	0.03	Case 65	0.03	Case 66
	Left side	0.430	0.135	0.225	0.001	0.215	0.270	1.060	0.836	1.050						
	Right side	0.368	0.850	0.001	0.149	0.123	0.066	1.285	1.433	1.407						
	Top side	0.849		0.001	0.017	0.036		0.850	0.866	0.885						
	Bottom side		0.412					0.412	0.412	0.412						
Ant 1+6	Front	0.684	0.281	0.138	0.078	0.145	0.168	1.271	1.211	1.278						
	Back	0.844	0.514	0.180	0.131	0.182	0.130	1.668	1.619	1.670	0.03	Case 67	0.02	Case 68	0.03	Case 69
	Left side	0.430	0.605	0.225	0.001	0.215	0.270	1.530	1.306	1.520						
	Right side	0.368	0.064	0.001	0.149	0.123	0.066	0.499	0.647	0.621						
	Top side	0.849		0.001	0.017	0.036		0.850	0.866	0.885						
	Bottom side		0.277					0.277	0.277	0.277						
Ant 1+7	Front	0.684	0.466	0.138	0.078	0.145	0.168	1.456	1.396	1.463						
	Back	0.844	0.459	0.180	0.131	0.182	0.130	1.613	1.564	1.615	0.02	Case 70			0.03	Case 71
	Left side	0.430	0.134	0.225	0.001	0.215	0.270	1.059	0.835	1.049						
	Right side	0.368	0.671	0.001	0.149	0.123	0.066	1.106	1.254	1.228						
	Top side	0.849		0.001	0.017	0.036		0.850	0.866	0.885						
	Bottom side		0.227					0.227	0.227	0.227						
Ant 2+5	Front	0.519	0.538	0.138	0.078	0.145	0.168	1.363	1.303	1.370						
	Back	0.536	0.606	0.180	0.131	0.182	0.130	1.452	1.403	1.454						
	Left side	0.135	0.133	0.225	0.001	0.215	0.270	0.763	0.539	0.753						
	Right side	0.850	0.779	0.001	0.149	0.123	0.066	1.696	1.844	1.818	0.03	Case 72	0.03	Case 73	0.03	Case 74
	Top side		0.505	0.001	0.017	0.036		0.506	0.522	0.541						
	Bottom side	0.412						0.412	0.412	0.412						
Ant 2+6	Front	0.519	0.281	0.138	0.078	0.145	0.168	1.106	1.046	1.113						
	Back	0.536	0.514	0.180	0.131	0.182	0.130	1.360	1.311	1.362						
	Left side	0.135	0.605	0.225	0.001	0.215	0.270	1.235	1.011	1.225						
	Right side	0.850	0.064	0.001	0.149	0.123	0.066	0.981	1.129	1.103						
	Top side			0.001	0.017	0.036		0.001	0.017	0.036						
	Bottom side	0.412	0.277					0.689	0.689	0.689						
Ant 5+6	Front	0.538	0.281	0.138	0.078	0.145	0.168	1.125	1.065	1.132						
	Back	0.606	0.514	0.180	0.131	0.182	0.130	1.430	1.381	1.432						
	Left side	0.133	0.605	0.225	0.001	0.215	0.270	1.233	1.009	1.223						
	Right side	0.779	0.064	0.001	0.149	0.123	0.066	0.910	1.058	1.032						
	Top side	0.505		0.001	0.017	0.036		0.506	0.522	0.541						
	Bottom side		0.277					0.277	0.277	0.277						
Ant 5+7	Front	0.538	0.466	0.138	0.078	0.145	0.168	1.310	1.250	1.317						
	Back	0.606	0.459	0.180	0.131	0.182	0.130	1.375	1.326	1.377						
	Left side	0.133	0.134	0.225	0.001	0.215	0.270	0.762	0.538	0.752						
	Right side	0.779	0.671	0.001	0.149	0.123	0.066	1.517	1.665	1.639			0.03	Case 75	0.03	Case 76
	Top side	0.505		0.001	0.017	0.036		0.506	0.522	0.541						
	Bottom side		0.227					0.227	0.227	0.227						
Ant 6+7	Front	0.281	0.466	0.138	0.078	0.145	0.168	1.053	0.993	1.060						
	Back	0.514	0.459	0.180	0.131	0.182	0.130	1.283	1.234	1.285						
	Left side	0.605	0.134	0.225	0.001	0.215	0.270	1.234	1.010	1.224						
	Right side	0.064	0.671	0.001	0.149	0.123	0.066	0.802	0.950	0.924						
	Top side			0.001	0.017	0.036		0.001	0.017	0.036						
	Bottom side	0.277	0.227					0.504	0.504	0.504						



<WWAN Index4, WLAN Index9, BT Index4>

Antenna	Exposure Position	0	1	5	6	7	8	0+1+5+6 Summed 1g SAR (W/kg)	0+1+5+7 Summed 1g SAR (W/kg)	0+1+5+8 Summed 1g SAR (W/kg)	0+1+5+6 SPLSR	0+1+5+6 Case No.	0+1+5+7 SPLSR	0+1+5+7 Case No.	0+1+5+8 SPLSR	0+1+5+8 Case No.
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 5GHz Ant 3+4 1g SAR (W/kg)	Bluetooth /Thread Ant 3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	Bluetooth Ant 3+4 1g SAR (W/kg)									
Ant 0+1	Front	0.469	0.684	0.168	0.117	0.065	0.107	1.438	1.386	1.428						
	Back	0.750	0.844	0.145	0.150	0.095	0.151	1.889	1.834	1.890	0.03 0.02	Case 77	0.02	Case 78	0.03	Case 79
	Left side	0.715	0.430	0.303	0.175	0.001	0.223	1.623	1.449	1.671		Case 80			0.04	Case 81
	Right side	0.388	0.368	0.066	0.001	0.099	0.087	0.823	0.921	0.909						
	Top side		0.849	0.084	0.017	0.019	0.057	0.950	0.952	0.990						
	Bottom side	0.849						0.849	0.849	0.849						
Ant 0+2	Front	0.469	0.519	0.168	0.117	0.065	0.107	1.273	1.221	1.263						
	Back	0.750	0.536	0.145	0.150	0.095	0.151	1.581	1.526	1.582						
	Left side	0.715	0.135	0.303	0.175	0.001	0.223	1.328	1.154	1.376						
	Right side	0.388	0.850	0.066	0.001	0.099	0.087	1.305	1.403	1.391						
	Top side			0.084	0.017	0.019	0.057	0.101	0.103	0.141						
	Bottom side	0.849	0.412					1.261	1.261	1.261						
Ant 0+5	Front	0.469	0.538	0.168	0.117	0.065	0.107	1.292	1.240	1.282						
	Back	0.750	0.606	0.145	0.150	0.095	0.151	1.651	1.596	1.652	0.02	Case 82	0.02	Case 83	0.02	Case 84
	Left side	0.715	0.133	0.303	0.175	0.001	0.223	1.326	1.152	1.374						
	Right side	0.388	0.779	0.066	0.001	0.099	0.087	1.234	1.332	1.320						
	Top side		0.505	0.084	0.017	0.019	0.057	0.606	0.608	0.646						
	Bottom side	0.849						0.849	0.849	0.849						
Ant 0+7	Front	0.469	0.466	0.168	0.117	0.065	0.107	1.220	1.168	1.210						
	Back	0.750	0.459	0.145	0.150	0.095	0.151	1.504	1.449	1.505						
	Left side	0.715	0.134	0.303	0.175	0.001	0.223	1.327	1.153	1.375						
	Right side	0.388	0.671	0.066	0.001	0.099	0.087	1.126	1.224	1.212						
	Top side			0.084	0.017	0.019	0.057	0.101	0.103	0.141						
	Bottom side	0.849	0.227					1.076	1.076	1.076						
Ant 1+2	Front	0.684	0.519	0.168	0.117	0.065	0.107	1.488	1.436	1.478						
	Back	0.844	0.536	0.145	0.150	0.095	0.151	1.675	1.620	1.676	0.02	Case 85	0.02	Case 86	0.03	Case 87
	Left side	0.430	0.135	0.303	0.175	0.001	0.223	1.043	0.869	1.091						
	Right side	0.368	0.850	0.066	0.001	0.099	0.087	1.285	1.383	1.371						
	Top side	0.849		0.084	0.017	0.019	0.057	0.950	0.952	0.990						
	Bottom side		0.412					0.412	0.412	0.412						
Ant 1+6	Front	0.684	0.281	0.168	0.117	0.065	0.107	1.250	1.198	1.240						
	Back	0.844	0.514	0.145	0.150	0.095	0.151	1.653	1.598	1.654	0.03	Case 88	0.02	Case 89	0.03	Case 90
	Left side	0.430	0.605	0.303	0.175	0.001	0.223	1.513	1.339	1.561						
	Right side	0.368	0.064	0.066	0.001	0.099	0.087	0.499	0.597	0.585						
	Top side	0.849		0.084	0.017	0.019	0.057	0.950	0.952	0.990						
	Bottom side		0.277					0.277	0.277	0.277						
Ant 1+7	Front	0.684	0.466	0.168	0.117	0.065	0.107	1.435	1.383	1.425						
	Back	0.844	0.459	0.145	0.150	0.095	0.151	1.598	1.543	1.599	0.02	Case 91			0.03	Case 92
	Left side	0.430	0.134	0.303	0.175	0.001	0.223	1.042	0.868	1.090						
	Right side	0.368	0.671	0.066	0.001	0.099	0.087	1.106	1.204	1.192						
	Top side	0.849		0.084	0.017	0.019	0.057	0.950	0.952	0.990						
	Bottom side		0.227					0.227	0.227	0.227						
Ant 2+5	Front	0.519	0.538	0.168	0.117	0.065	0.107	1.342	1.290	1.332						
	Back	0.536	0.606	0.145	0.150	0.095	0.151	1.437	1.382	1.438						
	Left side	0.135	0.133	0.303	0.175	0.001	0.223	0.746	0.572	0.794						
	Right side	0.850	0.779	0.066	0.001	0.099	0.087	1.696	1.794	1.782	0.03	Case 93	0.03	Case 94	0.03	Case 95
	Top side		0.505	0.084	0.017	0.019	0.057	0.606	0.608	0.646						
	Bottom side	0.412						0.412	0.412	0.412						
Ant 2+6	Front	0.519	0.281	0.168	0.117	0.065	0.107	1.085	1.033	1.075						
	Back	0.536	0.514	0.145	0.150	0.095	0.151	1.345	1.290	1.346						



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	Left side	0.135	0.605	0.303	0.175	0.001	0.223	1.218	1.044	1.266						
	Right side	0.850	0.064	0.066	0.001	0.099	0.087	0.981	1.079	1.067						
	Top side			0.084	0.017	0.019	0.057	0.101	0.103	0.141						
	Bottom side	0.412	0.277					0.689	0.689	0.689						
Ant 5+6	Front	0.538	0.281	0.168	0.117	0.065	0.107	1.104	1.052	1.094						
	Back	0.606	0.514	0.145	0.150	0.095	0.151	1.415	1.360	1.416						
	Left side	0.133	0.605	0.303	0.175	0.001	0.223	1.216	1.042	1.264						
	Right side	0.779	0.064	0.066	0.001	0.099	0.087	0.910	1.008	0.996						
	Top side	0.505		0.084	0.017	0.019	0.057	0.606	0.608	0.646						
	Bottom side		0.277					0.277	0.277	0.277						
Ant 5+7	Front	0.538	0.466	0.168	0.117	0.065	0.107	1.289	1.237	1.279						
	Back	0.606	0.459	0.145	0.150	0.095	0.151	1.360	1.305	1.361						
	Left side	0.133	0.134	0.303	0.175	0.001	0.223	0.745	0.571	0.793						
	Right side	0.779	0.671	0.066	0.001	0.099	0.087	1.517	1.615	1.603		0.02	Case 96	0.03	Case 97	
	Top side	0.505		0.084	0.017	0.019	0.057	0.606	0.608	0.646						
	Bottom side		0.227					0.227	0.227	0.227						
Ant 6+7	Front	0.281	0.466	0.168	0.117	0.065	0.107	1.032	0.980	1.022						
	Back	0.514	0.459	0.145	0.150	0.095	0.151	1.268	1.213	1.269						
	Left side	0.605	0.134	0.303	0.175	0.001	0.223	1.217	1.043	1.265						
	Right side	0.064	0.671	0.066	0.001	0.099	0.087	0.802	0.900	0.888						
	Top side			0.084	0.017	0.019	0.057	0.101	0.103	0.141						
	Bottom side	0.277	0.227					0.504	0.504	0.504						



F.5 Body-worn Sim-Tx analysis

<WLAN Index5, BT index 3/4>

Exposure Position	2	3	4	5	6	7	8	5+6 Summed 1g SAR (W/kg)	5+7 Summed 1g SAR (W/kg)	5+8 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4	Bluetooth /Thread Ant 3	Bluetooth Ant 4	Bluetooth Ant 3+4			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Front	0.503	0.303	0.574	0.378	0.117	0.065	0.107	0.495	0.443	0.485
Back	0.728	0.550	0.848	0.485	0.150	0.095	0.151	0.635	0.580	0.636

<WLAN Index6>

Exposure Position	2	3	4	5	2+5 Summed 1g SAR (W/kg)	3+5 Summed 1g SAR (W/kg)	4+5 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Front	0.503	0.303	0.574	0.378	0.881	0.681	0.952
Back	0.728	0.550	0.848	0.485	1.213	1.035	1.333

<WLAN Index7>

Exposure Position	2	3	4	5	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)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4				
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Front	0.260	0.168	0.278	0.239	0.260	0.168	0.278	0.239
Back	0.351	0.270	0.362	0.392	0.351	0.270	0.362	0.392

<WLAN Index8>

Exposure Position	2	3	4	5	1+2+5 Summed 1g SAR (W/kg)	1+3+5 Summed 1g SAR (W/kg)	1+4+5 Summed 1g SAR (W/kg)
	WLAN2.4GHz Ant 3	WLAN2.4GHz Ant 4	WLAN2.4GHz Ant 3+4	WLAN5G/6GHz Ant 3+4			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Front	0.138	0.078	0.145	0.213	0.351	0.291	0.358
Back	0.180	0.131	0.182	0.313	0.493	0.444	0.495

<WLAN Index9>

Exposure Position	5	6	7	8	1+5+6 Summed 1g SAR (W/kg)	1+5+7 Summed 1g SAR (W/kg)	1+5+8 Summed 1g SAR (W/kg)
	WLAN5G/6GHz Ant 3+4	Bluetooth /Thread Ant 3	Bluetooth Ant 4	Bluetooth Ant 3+4			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Front	0.213	0.117	0.065	0.107	0.330	0.278	0.320
Back	0.351	0.150	0.095	0.151	0.501	0.446	0.502



<WWAN Index5>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	Max Ant 7	Ant 0+1 Summed 1g SAR (W/kg)	Ant 0+2 Summed 1g SAR (W/kg)	Ant 0+5 Summed 1g SAR (W/kg)	Ant 0+7 Summed 1g SAR (W/kg)	Ant 1+2 Summed 1g SAR (W/kg)	Ant 1+6 Summed 1g SAR (W/kg)	Ant 1+7 Summed 1g SAR (W/kg)	Ant 2+5 Summed 1g SAR (W/kg)	Ant 2+6 Summed 1g SAR (W/kg)	Ant 5+6 Summed 1g SAR (W/kg)	Ant 5+7 Summed 1g SAR (W/kg)	Ant 6+7 Summed 1g SAR (W/kg)	Ant 0+1 SPLSR	Ant 0+1 Case No.	Ant 0+5 SPLSR	Ant 0+5 Case No.	Ant 1+2 SPLSR	Ant 1+2 Case No.	Ant 1+6 SPLSR	Ant 1+6 Case No.
	WWAN	WWAN	WWAN	WWAN	WWAN	WWAN	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Front at 10mm	0.708	0.803	0.593	0.621	0.330	0.547	1.511	1.301	1.329	1.255	1.396	1.133	1.350	1.214	0.923	0.951	1.168	0.877								
Back at 10mm	0.960	0.992	0.630	0.781	0.604	0.539	1.952	1.590	1.741	1.499	1.622	1.596	1.531	1.411	1.234	1.385	1.320	1.143	0.02	Case 98	0.02	Case 99	0.02	Case 100	0.02	Case 101

<WWAN Index6, WLAN Index7>

Antenna	Exposure Position	0	1	2	3	4	5	0+1+2 Summed 1g SAR (W/kg)	0+1+3 Summed 1g SAR (W/kg)	0+1+4 Summed 1g SAR (W/kg)	0+1+5 Summed 1g SAR (W/kg)	0+1+2 SPLSR	0+1+2 Case No.	0+1+3 SPLSR	0+1+3 Case No.	0+1+4 SPLSR	0+1+4 Case No.	0+1+5 SPLSR	0+1+5 Case No.
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 2.4GHz Ant 3 1g SAR (W/kg)	WLAN 2.4GHz Ant 4 1g SAR (W/kg)	WLAN 2.4GHz Ant 3+4 1g SAR (W/kg)	WLAN 5/6GHz Ant 3+4 1g SAR (W/kg)												
Ant 0+1	Front	0.603	0.684	0.260	0.168	0.278	0.239	1.547	1.455	1.565	1.526								
	Back	0.817	0.844	0.351	0.270	0.362	0.392	2.012	1.931	2.023	2.053	0.03	Case 102	0.02	Case 103	0.03	Case 104	0.02	Case 105
Ant 0+2	Front	0.603	0.519	0.260	0.168	0.278	0.239	1.382	1.290	1.400	1.361								
	Back	0.817	0.536	0.351	0.270	0.362	0.392	1.704	1.623	1.715	1.745	0.02	Case 106	0.03	Case 107	0.03	Case 108	0.02	Case 109
Ant 0+5	Front	0.603	0.590	0.260	0.168	0.278	0.239	1.453	1.361	1.471	1.432								
	Back	0.817	0.664	0.351	0.270	0.362	0.392	1.832	1.751	1.843	1.873	0.02	Case 110	0.02	Case 111	0.02	Case 112	0.02	Case 113
Ant 0+7	Front	0.603	0.466	0.260	0.168	0.278	0.239	1.329	1.237	1.347	1.308								
	Back	0.817	0.459	0.351	0.270	0.362	0.392	1.627	1.546	1.638	1.668	0.03	Case 114			0.04	Case 115	0.04	Case 116
Ant 1+2	Front	0.684	0.519	0.260	0.168	0.278	0.239	1.463	1.371	1.481	1.442								
	Back	0.844	0.536	0.351	0.270	0.362	0.392	1.731	1.650	1.742	1.772	0.02	Case 117	0.03	Case 118	0.03	Case 119	0.02	Case 120
Ant 1+6	Front	0.684	0.281	0.260	0.168	0.278	0.239	1.225	1.133	1.243	1.204								
	Back	0.844	0.514	0.351	0.270	0.362	0.392	1.709	1.628	1.720	1.750	0.03	Case 121	0.02	Case 122	0.03	Case 123	0.02	Case 124
Ant 1+7	Front	0.684	0.466	0.260	0.168	0.278	0.239	1.410	1.318	1.428	1.389								
	Back	0.844	0.459	0.351	0.270	0.362	0.392	1.654	1.573	1.665	1.695	0.02	Case 125			0.03	Case 126	0.02	Case 127
Ant 2+5	Front	0.519	0.590	0.260	0.168	0.278	0.239	1.369	1.277	1.387	1.348								
	Back	0.536	0.664	0.351	0.270	0.362	0.392	1.551	1.470	1.562	1.592								
Ant 2+6	Front	0.519	0.281	0.260	0.168	0.278	0.239	1.060	0.968	1.078	1.039								
	Back	0.536	0.514	0.351	0.270	0.362	0.392	1.401	1.320	1.412	1.442								
Ant 5+6	Front	0.590	0.281	0.260	0.168	0.278	0.239	1.131	1.039	1.149	1.110								
	Back	0.664	0.514	0.351	0.270	0.362	0.392	1.529	1.448	1.540	1.570								
Ant 5+7	Front	0.590	0.466	0.260	0.168	0.278	0.239	1.316	1.224	1.334	1.295								
	Back	0.664	0.459	0.351	0.270	0.362	0.392	1.474	1.393	1.485	1.515								
Ant 6+7	Front	0.281	0.466	0.260	0.168	0.278	0.239	1.007	0.915	1.025	0.986								
	Back	0.514	0.459	0.351	0.270	0.362	0.392	1.324	1.243	1.335	1.365								



<WWAN Index6, WLAN Index8>

Antenna	Exposure Position	0	1	2	3	4	5	0+1+2+5 Summed 1g SAR (W/kg)	0+1+3+5 Summed 1g SAR (W/kg)	0+1+4+5 Summed 1g SAR (W/kg)	0+1+2+5 SPLSR	0+1+2+5 Case No.	0+1+3+5 SPLSR	0+1+3+5 Case No.	0+1+4+5 SPLSR	0+1+4+5 Case No.
		Maximum WWAN	Maximum WWAN	WLAN 2.4GHz Ant 3	WLAN 2.4GHz Ant 4	WLAN 2.4GHz Ant 3+4	WLAN 5/6GHz Ant 3+4									
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
Ant 0+1	Front	0.603	0.684	0.138	0.078	0.145	0.213	1.638	1.578	1.645	0.02	Case 128			0.02	Case 129
	Back	0.817	0.844	0.180	0.131	0.182	0.313	2.154	2.105	2.156	0.03	Case 130	0.03	Case 131	0.03	Case 132
Ant 0+2	Front	0.603	0.519	0.138	0.078	0.145	0.213	1.473	1.413	1.480						
	Back	0.817	0.536	0.180	0.131	0.182	0.313	1.846	1.797	1.848	0.02	Case 133	0.02	Case 134	0.02	Case 135
Ant 0+5	Front	0.603	0.590	0.138	0.078	0.145	0.213	1.544	1.484	1.551						
	Back	0.817	0.664	0.180	0.131	0.182	0.313	1.974	1.925	1.976	0.03	Case 136	0.02	Case 137	0.03	Case 138
Ant 0+7	Front	0.603	0.466	0.138	0.078	0.145	0.213	1.420	1.360	1.427						
	Back	0.817	0.459	0.180	0.131	0.182	0.313	1.769	1.720	1.771	0.04	Case 139	0.04	Case 140	0.04	Case 141
Ant 1+2	Front	0.684	0.519	0.138	0.078	0.145	0.213	1.554	1.494	1.561						
	Back	0.844	0.536	0.180	0.131	0.182	0.313	1.873	1.824	1.875	0.03	Case 142	0.03	Case 143	0.03	Case 144
Ant 1+6	Front	0.684	0.281	0.138	0.078	0.145	0.213	1.316	1.256	1.323						
	Back	0.844	0.514	0.180	0.131	0.182	0.313	1.851	1.802	1.853	0.03	Case 145	0.02	Case 146	0.03	Case 147
Ant 1+7	Front	0.684	0.466	0.138	0.078	0.145	0.213	1.501	1.441	1.508						
	Back	0.844	0.459	0.180	0.131	0.182	0.313	1.796	1.747	1.798	0.03 0.02	Case 148	0.03	Case 149	0.03	Case 150
Ant 2+5	Front	0.519	0.590	0.138	0.078	0.145	0.213	1.460	1.400	1.467						
	Back	0.536	0.664	0.180	0.131	0.182	0.313	1.693	1.644	1.695	0.03	Case 151	0.03	Case 152	0.03	Case 153
Ant 2+6	Front	0.519	0.281	0.138	0.078	0.145	0.213	1.151	1.091	1.158						
	Back	0.536	0.514	0.180	0.131	0.182	0.313	1.543	1.494	1.545						
Ant 5+6	Front	0.590	0.281	0.138	0.078	0.145	0.213	1.222	1.162	1.229						
	Back	0.664	0.514	0.180	0.131	0.182	0.313	1.671	1.622	1.673	0.03	Case 154	0.02	Case 155	0.03	Case 156
Ant 5+7	Front	0.590	0.466	0.138	0.078	0.145	0.213	1.407	1.347	1.414						
	Back	0.664	0.459	0.180	0.131	0.182	0.313	1.616	1.567	1.618	0.03	Case 157			0.03	Case 158
Ant 6+7	Front	0.281	0.466	0.138	0.078	0.145	0.213	1.098	1.038	1.105						
	Back	0.514	0.459	0.180	0.131	0.182	0.313	1.466	1.417	1.468						



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

Antenna	Exposure Position	0	1	5	6	7	8	0+1+5+6	0+1+5+7	0+1+5+8	0+1+5+6	0+1+5+6	0+1+5+7	0+1+5+7	0+1+5+8	0+1+5+8
		Maximum WWAN 1g SAR (W/kg)	Maximum WWAN 1g SAR (W/kg)	WLAN 5/6GHz Ant 3+4 1g SAR (W/kg)	Bluetooth /Thread Ant 3 1g SAR (W/kg)	Bluetooth Ant 4 1g SAR (W/kg)	BluetoothAnt 3+4 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	SPLSR	Case No.	SPLSR	Case No.	SPLSR	Case No.
Ant 0+1	Front	0.603	0.684	0.213	0.117	0.065	0.107	1.617	1.565	1.607	0.02	Case 159			0.02	Case 160
	Back	0.817	0.844	0.351	0.150	0.095	0.151	2.162	2.107	2.163	0.03	Case 161	0.03	Case 162	0.03	Case 163
Ant 0+2	Front	0.603	0.519	0.213	0.117	0.065	0.107	1.452	1.400	1.442						
	Back	0.817	0.536	0.351	0.150	0.095	0.151	1.854	1.799	1.855	0.02	Case 164	0.03	Case 165	0.02	Case 166
Ant 0+5	Front	0.603	0.590	0.213	0.117	0.065	0.107	1.523	1.471	1.513						
	Back	0.817	0.664	0.351	0.150	0.095	0.151	1.982	1.927	1.983	0.03	Case 167	0.02	Case 168	0.03	Case 169
Ant 0+7	Front	0.603	0.466	0.213	0.117	0.065	0.107	1.399	1.347	1.389						
	Back	0.817	0.459	0.351	0.150	0.095	0.151	1.777	1.722	1.778	0.04	Case 170	0.04	Case 171	0.04	Case 172
Ant 1+2	Front	0.684	0.519	0.213	0.117	0.065	0.107	1.533	1.481	1.523						
	Back	0.844	0.536	0.351	0.150	0.095	0.151	1.881	1.826	1.882	0.03	Case 173	0.03	Case 174	0.03	Case 175
Ant 1+6	Front	0.684	0.281	0.213	0.117	0.065	0.107	1.295	1.243	1.285						
	Back	0.844	0.514	0.351	0.150	0.095	0.151	1.859	1.804	1.860	0.03	Case 176	0.02	Case 177	0.03	Case 178
Ant 1+7	Front	0.684	0.466	0.213	0.117	0.065	0.107	1.480	1.428	1.470						
	Back	0.844	0.459	0.351	0.150	0.095	0.151	1.804	1.749	1.805	0.03 0.02	Case 179	0.03 0.02	Case 180	0.03	Case 181
Ant 2+5	Front	0.519	0.590	0.213	0.117	0.065	0.107	1.439	1.387	1.429						
	Back	0.536	0.664	0.351	0.150	0.095	0.151	1.701	1.646	1.702	0.03	Case 182	0.03	Case 183	0.03	Case 184
Ant 2+6	Front	0.519	0.281	0.213	0.117	0.065	0.107	1.130	1.078	1.120						
	Back	0.536	0.514	0.351	0.150	0.095	0.151	1.551	1.496	1.552						
Ant 5+6	Front	0.590	0.281	0.213	0.117	0.065	0.107	1.201	1.149	1.191						
	Back	0.664	0.514	0.351	0.150	0.095	0.151	1.679	1.624	1.680	0.03	Case 185	0.02	Case 186	0.03	Case 187
Ant 5+7	Front	0.590	0.466	0.213	0.117	0.065	0.107	1.386	1.334	1.376						
	Back	0.664	0.459	0.351	0.150	0.095	0.151	1.624	1.569	1.625	0.03	Case 188			0.03	Case 189
Ant 6+7	Front	0.281	0.466	0.213	0.117	0.065	0.107	1.077	1.025	1.067						
	Back	0.514	0.459	0.351	0.150	0.095	0.151	1.474	1.419	1.475						



F.5 Product Specific Sim-Tx analysis

<WWAN index 5>

Exposure Position	Max Ant 0	Max Ant 1	Max Ant 2	Max Ant 5	Max Ant 6	Max Ant 7	NFC	Ant 0+1 Summed	Ant 0+2 Summed	Ant 0+5 Summed	Ant 0+7 Summed	Ant 1+2 Summed	Ant 1+6 Summed	Ant 1+7 Summed	Ant 2+5 Summed	Ant 2+6 Summed	Ant 5+6 Summed	Ant 5+7 Summed	Ant 6+7 Summed
	WWAN	WWAN	WWAN	WWAN	WWAN	WWAN	WWAN	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Front at 0mm		2.437		0.477			0.001	2.437	0.000	0.477	0.000	2.437	2.437	2.437	0.477	0.000	0.477	0.477	0.000
Back at 0mm		0.428		0.205			0.094	0.428	0.000	0.205	0.000	0.428	0.428	0.428	0.205	0.000	0.205	0.205	0.000
Left side at 0mm		0.902		0.024			0.001	0.902	0.000	0.024	0.000	0.902	0.902	0.902	0.024	0.000	0.024	0.024	0.000
Right side at 0mm		0.084		0.840			0.001	0.084	0.000	0.840	0.000	0.084	0.084	0.084	0.840	0.000	0.840	0.840	0.000
Top side at 0mm		1.239		0.119			0.001	1.239	0.000	0.119	0.000	1.239	1.239	1.239	0.119	0.000	0.119	0.119	0.000
Bottom side at 0mm	2.475							2.475	2.475	2.475	2.475	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<WLAN Index5, NFC>

Exposure Position	2	3	2+3 Summed 10g SAR (W/kg)
	WLAN5G/6GHz Ant 3+4	NFC	
	10g SAR (W/kg)	10g SAR (W/kg)	
Front	0.966	0.001	0.967
Back	0.400	0.075	0.475
Left side	2.508	0.001	2.509
Right side	0.488	0.001	0.489
Top side	0.754	0.001	0.755

<WLAN Index6, NFC>

Exposure Position	2	3	2+3 Summed 10g SAR (W/kg)
	WLAN5G/6GHz Ant 3+4	NFC	
	10g SAR (W/kg)	10g SAR (W/kg)	
Front	0.966	0.001	0.967
Back	0.400	0.075	0.475
Left side	2.508	0.001	2.509
Right side	0.488	0.001	0.489
Top side	0.754	0.001	0.755



<WWAN Index 5, WLAN Index7, NFC>

Exposure Position	1	2	3	1+2+3 Summed 10g SAR (W/kg)
	WWAN 10g SAR (W/kg)	WLAN5G/6GHz Ant 3+4 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
Front		0.966	0.001	0.967
Back		0.400	0.075	0.475
Left side		2.508	0.001	2.509
Right side		0.488	0.001	0.489
Top side		0.754	0.001	0.755
Bottom side	2.475			2.475

<WWAN Index 5, WLAN Index8, NFC>

Exposure Position	1	2	3	1+2+3 Summed 10g SAR (W/kg)
	WWAN 10g SAR (W/kg)	WLAN5G/6GHz Ant 3+4 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
Front		0.861	0.001	0.862
Back		0.245	0.075	0.320
Left side		2.320	0.001	2.321
Right side		0.393	0.001	0.394
Top side		0.672	0.001	0.673
Bottom side	2.475			2.475

<WWAN Index 5, WLAN Index9, NFC>

Exposure Position	1	2	3	1+2+3 Summed 10g SAR (W/kg)
	WWAN 10g SAR (W/kg)	WLAN5G/6GHz Ant 3+4 10g SAR (W/kg)	NFC 10g SAR (W/kg)	
Front		0.966	0.001	0.967
Back		0.275	0.075	0.350
Left side		2.508	0.001	2.509
Right side		0.440	0.001	0.441
Top side		0.754	0.001	0.755
Bottom side	2.475			2.475



F.6 SAR Peak Location Distance and SPLSR analysis

<Case 1>

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

Exposure Position	WWAN SAR	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)	0.814	0.824	0.562	0.792	0.672	0.713	0.832	0.668	0.808	0.675	0.686	0.810	0.558	0.397
GSM850_Ant 1	0.922	1.736	1.746	1.484	1.714	1.594	1.635	1.754	1.590	1.730	1.597	1.608	1.732	1.480	1.319
WCDMA V_Ant 1	0.908	1.722	1.732	1.470	1.700	1.580	1.621	1.740	1.576	1.716	1.583	1.594	1.718	1.466	1.305
LTE Band 12_Ant 1	0.910	1.724	1.734	1.472	1.702	1.582	1.623	1.742	1.578	1.718	1.585	1.596	1.720	1.468	1.307
LTE Band 13_Ant 1	0.883	1.697	1.707	1.445	1.675	1.555	1.596	1.715	1.551	1.691	1.558	1.569	1.693	1.441	1.280
LTE Band 14_Ant 1	0.904	1.718	1.728	1.466	1.696	1.576	1.617	1.736	1.572	1.712	1.579	1.590	1.714	1.462	1.301
LTE Band 25_Ant 1	0.906	1.720	1.730	1.468	1.698	1.578	1.619	1.738	1.574	1.714	1.581	1.592	1.716	1.464	1.303
LTE Band 26_Ant 1	0.906	1.720	1.730	1.468	1.698	1.578	1.619	1.738	1.574	1.714	1.581	1.592	1.716	1.464	1.303
LTE Band 66_Ant 1	0.870	1.684	1.694	1.432	1.662	1.542	1.583	1.702	1.538	1.678	1.545	1.556	1.680	1.428	1.267
LTE Band 71_Ant 1	0.918	1.732	1.742	1.480	1.710	1.590	1.631	1.750	1.586	1.726	1.593	1.604	1.728	1.476	1.315
FR1 n12_Ant 1	0.917	1.731	1.741	1.479	1.709	1.589	1.630	1.749	1.585	1.725	1.592	1.603	1.727	1.475	1.314
FR1 n14_Ant 1	0.873	1.687	1.697	1.435	1.665	1.545	1.586	1.705	1.541	1.681	1.548	1.559	1.683	1.431	1.270
FR1 n25_Ant 1	0.872	1.686	1.696	1.434	1.664	1.544	1.585	1.704	1.540	1.680	1.547	1.558	1.682	1.430	1.269
FR1 n26_Ant 1	0.920	1.734	1.744	1.482	1.712	1.592	1.633	1.752	1.588	1.728	1.595	1.606	1.730	1.478	1.317
FR1 n41_Ant 1	0.920	1.734	1.744	1.482	1.712	1.592	1.633	1.752	1.588	1.728	1.595	1.606	1.730	1.478	1.317
FR1 n48_Ant 1	0.427	1.241	1.251	0.989	1.219	1.099	1.140	1.259	1.095	1.235	1.102	1.113	1.237	0.985	0.824
FR1 n66_Ant 1	0.846	1.660	1.670	1.408	1.638	1.518	1.559	1.678	1.514	1.654	1.521	1.532	1.656	1.404	1.243
FR1 n71_Ant 1	0.922	1.736	1.746	1.484	1.714	1.594	1.635	1.754	1.590	1.730	1.597	1.608	1.732	1.480	1.319
FR1 n77_Ant 1	0.776	1.590	1.600	1.338	1.568	1.448	1.489	1.608	1.444	1.584	1.451	1.462	1.586	1.334	1.173

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.922	12.8	-317.0	-174.1	78.8	1.75	0.03	Not required
WWAN_Ant 2	0.832	53.7	-249.7	-174.4				



<Case 2>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)		0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.326	1.819	1.828	1.672	1.784	1.782	1.823	1.818	1.778	1.798	1.785	1.796	1.800	1.668	1.507
WCDMA V_Ant 1	0.773	0.326	1.808	1.817	1.661	1.773	1.771	1.812	1.807	1.767	1.787	1.774	1.785	1.789	1.657	1.496
LTE Band 12_Ant 1	0.774	0.326	1.809	1.818	1.662	1.774	1.772	1.813	1.808	1.768	1.788	1.775	1.786	1.790	1.658	1.497
LTE Band 13_Ant 1	0.752	0.326	1.787	1.796	1.640	1.752	1.750	1.791	1.786	1.746	1.766	1.753	1.764	1.768	1.636	1.475
LTE Band 14_Ant 1	0.769	0.326	1.804	1.813	1.657	1.769	1.767	1.808	1.803	1.763	1.783	1.770	1.781	1.785	1.653	1.492
LTE Band 25_Ant 1	0.771	0.326	1.806	1.815	1.659	1.771	1.769	1.810	1.805	1.765	1.785	1.772	1.783	1.787	1.655	1.494
LTE Band 26_Ant 1	0.771	0.326	1.806	1.815	1.659	1.771	1.769	1.810	1.805	1.765	1.785	1.772	1.783	1.787	1.655	1.494
LTE Band 66_Ant 1	0.685	0.326	1.720	1.729	1.573	1.685	1.683	1.724	1.719	1.679	1.699	1.686	1.697	1.701	1.569	1.408
LTE Band 71_Ant 1	0.782	0.326	1.817	1.826	1.670	1.782	1.780	1.821	1.816	1.776	1.796	1.783	1.794	1.798	1.666	1.505
FR1 n12_Ant 1	0.781	0.326	1.816	1.825	1.669	1.781	1.779	1.820	1.815	1.775	1.795	1.782	1.793	1.797	1.665	1.504
FR1 n14_Ant 1	0.743	0.326	1.778	1.787	1.631	1.743	1.741	1.782	1.777	1.737	1.757	1.744	1.755	1.759	1.627	1.466
FR1 n25_Ant 1	0.742	0.326	1.777	1.786	1.630	1.742	1.740	1.781	1.776	1.736	1.756	1.743	1.754	1.758	1.626	1.465
FR1 n26_Ant 1	0.783	0.326	1.818	1.827	1.671	1.783	1.781	1.822	1.817	1.777	1.797	1.784	1.795	1.799	1.667	1.506
FR1 n41_Ant 1	0.783	0.326	1.818	1.827	1.671	1.783	1.781	1.822	1.817	1.777	1.797	1.784	1.795	1.799	1.667	1.506
FR1 n48_Ant 1	0.363	0.326	1.398	1.407	1.251	1.363	1.361	1.402	1.397	1.357	1.377	1.364	1.375	1.379	1.247	1.086
FR1 n66_Ant 1	0.720	0.326	1.755	1.764	1.608	1.720	1.718	1.759	1.754	1.714	1.734	1.721	1.732	1.736	1.604	1.443
FR1 n71_Ant 1	0.785	0.326	1.820	1.829	1.673	1.785	1.783	1.824	1.819	1.779	1.799	1.786	1.797	1.801	1.669	1.508
FR1 n77_Ant 1	0.661	0.326	1.696	1.705	1.549	1.661	1.659	1.700	1.695	1.655	1.675	1.662	1.673	1.677	1.545	1.384

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	58.4	-250.6	-173.7	71.4	1.83	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.111	57.4	-322.0	-173.8				



<Case 3>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz 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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)		0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.199	1.692	1.701	1.545	1.657	1.655	1.696	1.691	1.651	1.671	1.658	1.669	1.673	1.541	1.380
WCDMA V_Ant 1	0.773	0.199	1.681	1.690	1.534	1.646	1.644	1.685	1.680	1.640	1.660	1.647	1.658	1.662	1.530	1.369
LTE Band 12_Ant 1	0.774	0.199	1.682	1.691	1.535	1.647	1.645	1.686	1.681	1.641	1.661	1.648	1.659	1.663	1.531	1.370
LTE Band 13_Ant 1	0.752	0.199	1.660	1.669	1.513	1.625	1.623	1.664	1.659	1.619	1.639	1.626	1.637	1.641	1.509	1.348
LTE Band 14_Ant 1	0.769	0.199	1.677	1.686	1.530	1.642	1.640	1.681	1.676	1.636	1.656	1.643	1.654	1.658	1.526	1.365
LTE Band 25_Ant 1	0.771	0.199	1.679	1.688	1.532	1.644	1.642	1.683	1.678	1.638	1.658	1.645	1.656	1.660	1.528	1.367
LTE Band 26_Ant 1	0.771	0.199	1.679	1.688	1.532	1.644	1.642	1.683	1.678	1.638	1.658	1.645	1.656	1.660	1.528	1.367
LTE Band 66_Ant 1	0.685	0.199	1.593	1.602	1.446	1.558	1.556	1.597	1.592	1.552	1.572	1.559	1.570	1.574	1.442	1.281
LTE Band 71_Ant 1	0.782	0.199	1.690	1.699	1.543	1.655	1.653	1.694	1.689	1.649	1.669	1.656	1.667	1.671	1.539	1.378
FR1 n12_Ant 1	0.781	0.199	1.689	1.698	1.542	1.654	1.652	1.693	1.688	1.648	1.668	1.655	1.666	1.670	1.538	1.377
FR1 n14_Ant 1	0.743	0.199	1.651	1.660	1.504	1.616	1.614	1.655	1.650	1.610	1.630	1.617	1.628	1.632	1.500	1.339
FR1 n25_Ant 1	0.742	0.199	1.650	1.659	1.503	1.615	1.613	1.654	1.649	1.609	1.629	1.616	1.627	1.631	1.499	1.338
FR1 n26_Ant 1	0.783	0.199	1.691	1.700	1.544	1.656	1.654	1.695	1.690	1.650	1.670	1.657	1.668	1.672	1.540	1.379
FR1 n41_Ant 1	0.783	0.199	1.691	1.700	1.544	1.656	1.654	1.695	1.690	1.650	1.670	1.657	1.668	1.672	1.540	1.379
FR1 n48_Ant 1	0.363	0.199	1.271	1.280	1.124	1.236	1.234	1.275	1.270	1.230	1.250	1.237	1.248	1.252	1.120	0.959
FR1 n66_Ant 1	0.720	0.199	1.628	1.637	1.481	1.593	1.591	1.632	1.627	1.587	1.607	1.594	1.605	1.609	1.477	1.316
FR1 n71_Ant 1	0.785	0.199	1.693	1.702	1.546	1.658	1.656	1.697	1.692	1.652	1.672	1.659	1.670	1.674	1.542	1.381
FR1 n77_Ant 1	0.661	0.199	1.569	1.578	1.422	1.534	1.532	1.573	1.568	1.528	1.548	1.535	1.546	1.550	1.418	1.257

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1	0.785	12.8	-317.0	-174.1	78.8	1.50	0.02	Not required
Max WWAN Ant 2	0.718	53.7	-249.7	-174.4				
Max WWAN Ant 1	0.785	12.8	-317.0	-174.1	62.8	0.98	0.02	Not required
WLAN2.4GHz Ant 4	0.199	30.5	-256.8	-172.7				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	23.4	0.92	0.04	Not required
WLAN2.4GHz Ant 4	0.199	30.5	-256.8	-172.7				



<Case 4>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)		0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.383	1.876	1.885	1.729	1.841	1.839	1.880	1.875	1.835	1.855	1.842	1.853	1.857	1.725	1.564
WCDMA V_Ant 1	0.773	0.383	1.865	1.874	1.718	1.830	1.828	1.869	1.864	1.824	1.844	1.831	1.842	1.846	1.714	1.553
LTE Band 12_Ant 1	0.774	0.383	1.866	1.875	1.719	1.831	1.829	1.870	1.865	1.825	1.845	1.832	1.843	1.847	1.715	1.554
LTE Band 13_Ant 1	0.752	0.383	1.844	1.853	1.697	1.809	1.807	1.848	1.843	1.803	1.823	1.810	1.821	1.825	1.693	1.532
LTE Band 14_Ant 1	0.769	0.383	1.861	1.870	1.714	1.826	1.824	1.865	1.860	1.820	1.840	1.827	1.838	1.842	1.710	1.549
LTE Band 25_Ant 1	0.771	0.383	1.863	1.872	1.716	1.828	1.826	1.867	1.862	1.822	1.842	1.829	1.840	1.844	1.712	1.551
LTE Band 26_Ant 1	0.771	0.383	1.863	1.872	1.716	1.828	1.826	1.867	1.862	1.822	1.842	1.829	1.840	1.844	1.712	1.551
LTE Band 66_Ant 1	0.685	0.383	1.777	1.786	1.630	1.742	1.740	1.781	1.776	1.736	1.756	1.743	1.754	1.758	1.626	1.465
LTE Band 71_Ant 1	0.782	0.383	1.874	1.883	1.727	1.839	1.837	1.878	1.873	1.833	1.853	1.840	1.851	1.855	1.723	1.562
FR1 n12_Ant 1	0.781	0.383	1.873	1.882	1.726	1.838	1.836	1.877	1.872	1.832	1.852	1.839	1.850	1.854	1.722	1.561
FR1 n14_Ant 1	0.743	0.383	1.835	1.844	1.688	1.800	1.798	1.839	1.834	1.794	1.814	1.801	1.812	1.816	1.684	1.523
FR1 n25_Ant 1	0.742	0.383	1.834	1.843	1.687	1.799	1.797	1.838	1.833	1.793	1.813	1.800	1.811	1.815	1.683	1.522
FR1 n26_Ant 1	0.783	0.383	1.875	1.884	1.728	1.840	1.838	1.879	1.874	1.834	1.854	1.841	1.852	1.856	1.724	1.563
FR1 n41_Ant 1	0.783	0.383	1.875	1.884	1.728	1.840	1.838	1.879	1.874	1.834	1.854	1.841	1.852	1.856	1.724	1.563
FR1 n48_Ant 1	0.363	0.383	1.455	1.464	1.308	1.420	1.418	1.459	1.454	1.414	1.434	1.421	1.432	1.436	1.304	1.143
FR1 n66_Ant 1	0.720	0.383	1.812	1.821	1.665	1.777	1.775	1.816	1.811	1.771	1.791	1.778	1.789	1.793	1.661	1.500
FR1 n71_Ant 1	0.785	0.383	1.877	1.886	1.730	1.842	1.840	1.881	1.876	1.836	1.856	1.843	1.854	1.858	1.726	1.565
FR1 n77_Ant 1	0.661	0.383	1.753	1.762	1.606	1.718	1.716	1.757	1.752	1.712	1.732	1.719	1.730	1.734	1.602	1.441

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1	0.785	12.8	-317.0	-174.1	78.8	1.50	0.02	Not required
Max WWAN Ant 2	0.718	53.7	-249.7	-174.4				
Max WWAN Ant 1	0.785	26.1	-334.6	-174.4	32.8	1.17	0.04	Not required
WLAN2.4GHz Ant 4+3(3)	0.383	56.6	-322.5	-173.9				
Max WWAN Ant 1	0.785	12.8	-317.0	-174.1	62.4	0.99	0.02	Not required
WLAN2.4GHz Ant 4+3(4)	0.209	33.2	-258.0	-173.6				
Max WWAN Ant 2	0.718	58.4	-250.6	-173.7	71.9	1.10	0.02	Not required
WLAN2.4GHz Ant 4+3(3)	0.383	56.6	-322.5	-173.9				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	21.5	0.93	0.04	Not required
WLAN2.4GHz Ant 4+3(4)	0.209	33.2	-258.0	-173.6				
WLAN2.4GHz Ant 4+3(4)	0.209	33.2	-258.0	-173.6	68.6	0.59	0.01	Not required
WLAN2.4GHz Ant 4+3(3)	0.383	56.6	-322.5	-173.9				



<Case 5>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25A Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)			0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.241	0.167	1.901	1.910	1.754	1.866	1.864	1.905	1.900	1.860	1.880	1.867	1.878	1.882	1.750	1.589
WCDMA V_Ant 1	0.773	0.241	0.167	1.890	1.899	1.743	1.855	1.853	1.894	1.889	1.849	1.869	1.856	1.867	1.871	1.739	1.578
LTE Band 12_Ant 1	0.774	0.241	0.167	1.891	1.900	1.744	1.856	1.854	1.895	1.890	1.850	1.870	1.857	1.868	1.872	1.740	1.579
LTE Band 13_Ant 1	0.752	0.241	0.167	1.869	1.878	1.722	1.834	1.832	1.873	1.868	1.828	1.848	1.835	1.846	1.850	1.718	1.557
LTE Band 14_Ant 1	0.769	0.241	0.167	1.886	1.895	1.739	1.851	1.849	1.890	1.885	1.845	1.865	1.852	1.863	1.867	1.735	1.574
LTE Band 25_Ant 1	0.771	0.241	0.167	1.888	1.897	1.741	1.853	1.851	1.892	1.887	1.847	1.867	1.854	1.865	1.869	1.737	1.576
LTE Band 26_Ant 1	0.771	0.241	0.167	1.888	1.897	1.741	1.853	1.851	1.892	1.887	1.847	1.867	1.854	1.865	1.869	1.737	1.576
LTE Band 66_Ant 1	0.685	0.241	0.167	1.802	1.811	1.655	1.767	1.765	1.806	1.801	1.761	1.781	1.768	1.779	1.783	1.651	1.490
LTE Band 71_Ant 1	0.782	0.241	0.167	1.899	1.908	1.752	1.864	1.862	1.903	1.898	1.858	1.878	1.865	1.876	1.880	1.748	1.587
FR1 n12_Ant 1	0.781	0.241	0.167	1.898	1.907	1.751	1.863	1.861	1.902	1.897	1.857	1.877	1.864	1.875	1.879	1.747	1.586
FR1 n14_Ant 1	0.743	0.241	0.167	1.860	1.869	1.713	1.825	1.823	1.864	1.859	1.819	1.839	1.826	1.837	1.841	1.709	1.548
FR1 n25_Ant 1	0.742	0.241	0.167	1.859	1.868	1.712	1.824	1.822	1.863	1.858	1.818	1.838	1.825	1.836	1.840	1.708	1.547
FR1 n26_Ant 1	0.783	0.241	0.167	1.900	1.909	1.753	1.865	1.863	1.904	1.899	1.859	1.879	1.866	1.877	1.881	1.749	1.588
FR1 n41_Ant 1	0.783	0.241	0.167	1.900	1.909	1.753	1.865	1.863	1.904	1.899	1.859	1.879	1.866	1.877	1.881	1.749	1.588
FR1 n48_Ant 1	0.363	0.241	0.167	1.480	1.489	1.333	1.445	1.443	1.484	1.479	1.439	1.459	1.446	1.457	1.461	1.329	1.168
FR1 n66_Ant 1	0.720	0.241	0.167	1.837	1.846	1.690	1.802	1.800	1.841	1.836	1.796	1.816	1.803	1.814	1.818	1.686	1.525
FR1 n71_Ant 1	0.785	0.241	0.167	1.902	1.911	1.755	1.867	1.865	1.906	1.901	1.861	1.881	1.868	1.879	1.883	1.751	1.590
FR1 n77_Ant 1	0.661	0.241	0.167	1.778	1.787	1.631	1.743	1.741	1.782	1.777	1.737	1.757	1.744	1.755	1.759	1.627	1.466

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	61.3	1.91	0.04	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.193	-0.4	-278.9	-168.1				



<Case 6>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25A Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)			0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.241	0.061	1.795	1.804	1.648	1.760	1.758	1.799	1.794	1.754	1.774	1.761	1.772	1.776	1.644	1.483
WCDMA V_Ant 1	0.773	0.241	0.061	1.784	1.793	1.637	1.749	1.747	1.788	1.783	1.743	1.763	1.750	1.761	1.765	1.633	1.472
LTE Band 12_Ant 1	0.774	0.241	0.061	1.785	1.794	1.638	1.750	1.748	1.789	1.784	1.744	1.764	1.751	1.762	1.766	1.634	1.473
LTE Band 13_Ant 1	0.752	0.241	0.061	1.763	1.772	1.616	1.728	1.726	1.767	1.762	1.722	1.742	1.729	1.740	1.744	1.612	1.451
LTE Band 14_Ant 1	0.769	0.241	0.061	1.780	1.789	1.633	1.745	1.743	1.784	1.779	1.739	1.759	1.746	1.757	1.761	1.629	1.468
LTE Band 25_Ant 1	0.771	0.241	0.061	1.782	1.791	1.635	1.747	1.745	1.786	1.781	1.741	1.761	1.748	1.759	1.763	1.631	1.470
LTE Band 26_Ant 1	0.771	0.241	0.061	1.782	1.791	1.635	1.747	1.745	1.786	1.781	1.741	1.761	1.748	1.759	1.763	1.631	1.470
LTE Band 66_Ant 1	0.685	0.241	0.061	1.696	1.705	1.549	1.661	1.659	1.700	1.695	1.655	1.675	1.662	1.673	1.677	1.545	1.384
LTE Band 71_Ant 1	0.782	0.241	0.061	1.793	1.802	1.646	1.758	1.756	1.797	1.792	1.752	1.772	1.759	1.770	1.774	1.642	1.481
FR1 n12_Ant 1	0.781	0.241	0.061	1.792	1.801	1.645	1.757	1.755	1.796	1.791	1.751	1.771	1.758	1.769	1.773	1.641	1.480
FR1 n14_Ant 1	0.743	0.241	0.061	1.754	1.763	1.607	1.719	1.717	1.758	1.753	1.713	1.733	1.720	1.731	1.735	1.603	1.442
FR1 n25_Ant 1	0.742	0.241	0.061	1.753	1.762	1.606	1.718	1.716	1.757	1.752	1.712	1.732	1.719	1.730	1.734	1.602	1.441
FR1 n26_Ant 1	0.783	0.241	0.061	1.794	1.803	1.647	1.759	1.757	1.798	1.793	1.753	1.773	1.760	1.771	1.775	1.643	1.482
FR1 n41_Ant 1	0.783	0.241	0.061	1.794	1.803	1.647	1.759	1.757	1.798	1.793	1.753	1.773	1.760	1.771	1.775	1.643	1.482
FR1 n48_Ant 1	0.363	0.241	0.061	1.374	1.383	1.227	1.339	1.337	1.378	1.373	1.333	1.353	1.340	1.351	1.355	1.223	1.062
FR1 n66_Ant 1	0.720	0.241	0.061	1.731	1.740	1.584	1.696	1.694	1.735	1.730	1.690	1.710	1.697	1.708	1.712	1.580	1.419
FR1 n71_Ant 1	0.785	0.241	0.061	1.796	1.805	1.649	1.761	1.759	1.800	1.795	1.755	1.775	1.762	1.773	1.777	1.645	1.484
FR1 n77_Ant 1	0.661	0.241	0.061	1.672	1.681	1.525	1.637	1.635	1.676	1.671	1.631	1.651	1.638	1.649	1.653	1.521	1.360

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	61.3	0.76	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	27.7	0.78	0.02	Not required
BT Ant 4	0.061	25.5	-255.2	-170.9				
BT Ant 4	0.061	25.5	-255.2	-170.9	35.2	0.10	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.846	12.8	-317.0	-174.1	63.2	0.91	0.01	Not required
BT Ant 4	0.061	25.5	-255.2	-170.9				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.846	12.8	-317.0	-174.1	40.8	0.89	0.02	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.846	12.8	-317.0	-174.1	78.8	1.56	0.02	Not required
Max WWAN Ant 2	0.718	53.7	-249.7	-174.4				



<Case 7>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25A Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)			0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.241	0.190	1.924	1.933	1.777	1.889	1.887	1.928	1.923	1.883	1.903	1.890	1.901	1.905	1.773	1.612
WCDMA V_Ant 1	0.773	0.241	0.190	1.913	1.922	1.766	1.878	1.876	1.917	1.912	1.872	1.892	1.879	1.890	1.894	1.762	1.601
LTE Band 12_Ant 1	0.774	0.241	0.190	1.914	1.923	1.767	1.879	1.877	1.918	1.913	1.873	1.893	1.880	1.891	1.895	1.763	1.602
LTE Band 13_Ant 1	0.752	0.241	0.190	1.892	1.901	1.745	1.857	1.855	1.896	1.891	1.851	1.871	1.858	1.869	1.873	1.741	1.580
LTE Band 14_Ant 1	0.769	0.241	0.190	1.909	1.918	1.762	1.874	1.872	1.913	1.908	1.868	1.888	1.875	1.886	1.890	1.758	1.597
LTE Band 25_Ant 1	0.771	0.241	0.190	1.911	1.920	1.764	1.876	1.874	1.915	1.910	1.870	1.890	1.877	1.888	1.892	1.760	1.599
LTE Band 26_Ant 1	0.771	0.241	0.190	1.911	1.920	1.764	1.876	1.874	1.915	1.910	1.870	1.890	1.877	1.888	1.892	1.760	1.599
LTE Band 66_Ant 1	0.685	0.241	0.190	1.825	1.834	1.678	1.790	1.788	1.829	1.824	1.784	1.804	1.791	1.802	1.806	1.674	1.513
LTE Band 71_Ant 1	0.782	0.241	0.190	1.922	1.931	1.775	1.887	1.885	1.926	1.921	1.881	1.901	1.888	1.899	1.903	1.771	1.610
FR1 n12_Ant 1	0.781	0.241	0.190	1.921	1.930	1.774	1.886	1.884	1.925	1.920	1.880	1.900	1.887	1.898	1.902	1.770	1.609
FR1 n14_Ant 1	0.743	0.241	0.190	1.883	1.892	1.736	1.848	1.846	1.887	1.882	1.842	1.862	1.849	1.860	1.864	1.732	1.571
FR1 n25_Ant 1	0.742	0.241	0.190	1.882	1.891	1.735	1.847	1.845	1.886	1.881	1.841	1.861	1.848	1.859	1.863	1.731	1.570
FR1 n26_Ant 1	0.783	0.241	0.190	1.923	1.932	1.776	1.888	1.886	1.927	1.922	1.882	1.902	1.889	1.900	1.904	1.772	1.611
FR1 n41_Ant 1	0.783	0.241	0.190	1.923	1.932	1.776	1.888	1.886	1.927	1.922	1.882	1.902	1.889	1.900	1.904	1.772	1.611
FR1 n48_Ant 1	0.363	0.241	0.190	1.503	1.512	1.356	1.468	1.466	1.507	1.502	1.462	1.482	1.469	1.480	1.484	1.352	1.191
FR1 n66_Ant 1	0.720	0.241	0.190	1.860	1.869	1.713	1.825	1.823	1.864	1.859	1.819	1.839	1.826	1.837	1.841	1.709	1.548
FR1 n71_Ant 1	0.785	0.241	0.190	1.925	1.934	1.778	1.890	1.888	1.929	1.924	1.884	1.904	1.891	1.902	1.906	1.774	1.613
FR1 n77_Ant 1	0.661	0.241	0.190	1.801	1.810	1.654	1.766	1.764	1.805	1.800	1.760	1.780	1.767	1.778	1.782	1.650	1.489

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	31.5	0.80	0.02	Not required
Bluetooth Ant 4+3(4)	0.081	23.1	-259.9	-171.0				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	61.3	0.76	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Bluetooth Ant 4+3(4)	0.081	23.1	-259.9	-171.0	30.4	0.12	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3) +Bluetooth Ant 4+3(3)	1.216	12.8	-317.0	-174.1	58.1	1.30	0.03	Not required
Bluetooth Ant 4+3(4)	0.081	23.1	-259.9	-171.0				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3) +Bluetooth Ant 4+3(3)	1.216	12.8	-317.0	-174.1	40.8	1.26	0.03	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3) +Bluetooth Ant 4+3(3)	1.216	51.2	-324.9	-174.5	74.7	1.93	0.04	Not required
Max WWAN Ant 2	0.718	58.4	-250.6	-173.7				



<Case 8>

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)			0.212	0.231	0.593
GSM850_Ant 1	0.585	0.213	0.190	1.200	1.219	1.581
WCDMA V_Ant 1	0.519	0.213	0.190	1.134	1.153	1.515
LTE Band 12_Ant 1	0.518	0.213	0.190	1.133	1.152	1.514
LTE Band 13_Ant 1	0.416	0.213	0.190	1.031	1.050	1.412
LTE Band 14_Ant 1	0.533	0.213	0.190	1.148	1.167	1.529
LTE Band 25_Ant 1	0.225	0.213	0.190	0.840	0.859	1.221
LTE Band 26_Ant 1	0.519	0.213	0.190	1.134	1.153	1.515
LTE Band 66_Ant 1	0.268	0.213	0.190	0.883	0.902	1.264
LTE Band 71_Ant 1	0.349	0.213	0.190	0.964	0.983	1.345
FR1 n12_Ant 1	0.326	0.213	0.190	0.941	0.960	1.322
FR1 n14_Ant 1	0.543	0.213	0.190	1.158	1.177	1.539
FR1 n25_Ant 1	0.290	0.213	0.190	0.905	0.924	1.286
FR1 n26_Ant 1	0.432	0.213	0.190	1.047	1.066	1.428
FR1 n41_Ant 1	0.201	0.213	0.190	0.816	0.835	1.197
FR1 n48_Ant 1	0.647	0.213	0.190	1.262	1.281	1.643
FR1 n66_Ant 1	0.307	0.213	0.190	0.922	0.941	1.303
FR1 n71_Ant 1	0.318	0.213	0.190	0.933	0.952	1.314
FR1 n77_Ant 1	0.634	0.213	0.190	1.249	1.268	1.630

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.593	52.7	247.4	-174.3	63.9	1.64	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.050	-0.2	282.9	-169.0				

<Case 9>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)		0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.286	1.216	1.235	1.597
LTE Band 66_Ant 5	0.733	0.286	1.231	1.250	1.612
FR1 n25_Ant 5	0.619	0.286	1.117	1.136	1.498
FR1 n41_Ant 5	0.729	0.286	1.227	1.246	1.608
FR1 n48_Ant 5	0.730	0.286	1.228	1.247	1.609
FR1 n66_Ant 5	0.735	0.286	1.233	1.252	1.614
FR1 n77_Ant 5	0.728	0.286	1.226	1.245	1.607

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.593	52.7	247.4	-174.3	76.9	1.61	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4	1.021	54.3	324.3	-174.1				

<Case 10>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)		0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.348	1.278	1.297	1.659
LTE Band 66_Ant 5	0.733	0.348	1.293	1.312	1.674
FR1 n25_Ant 5	0.619	0.348	1.179	1.198	1.560
FR1 n41_Ant 5	0.729	0.348	1.289	1.308	1.670
FR1 n48_Ant 5	0.730	0.348	1.290	1.309	1.671
FR1 n66_Ant 5	0.735	0.348	1.295	1.314	1.676
FR1 n77_Ant 5	0.728	0.348	1.288	1.307	1.669

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5 + WLAN2.4GHz Ant 4+3(3)	1.083	48.6	324.6	-174.8	72.8	1.36	0.02	Not required
WLAN2.4GHz Ant 4+3(4)	0.273	32.6	253.6	-172.8				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	21.1	0.87	0.04	Not required
WLAN2.4GHz Ant 4+3(4)	0.273	32.6	253.6	-172.8				
WWAN_Ant 5 + WLAN2.4GHz Ant 4+3(3)	1.083	54.3	324.3	-174.1	76.9	1.68	0.03	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				

<Case 11>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.213	0.082	1.225	1.244	1.606
LTE Band 66_Ant 5	0.733	0.213	0.082	1.240	1.259	1.621
FR1 n25_Ant 5	0.619	0.213	0.082	1.126	1.145	1.507
FR1 n41_Ant 5	0.729	0.213	0.082	1.236	1.255	1.617
FR1 n48_Ant 5	0.730	0.213	0.082	1.237	1.256	1.618
FR1 n66_Ant 5	0.735	0.213	0.082	1.242	1.261	1.623
FR1 n77_Ant 5	0.728	0.213	0.082	1.235	1.254	1.616

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5 + WLAN5/6GHz Ant 4+3(4)	0.948	54.3	324.3	-174.1	76.9	1.54	0.02	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				
WWAN_Ant 5 + WLAN5/6GHz Ant 4+3(4)	0.948	35.9	333.7	-174.5	62.6	1.06	0.02	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				
WWAN_Ant 5 + WLAN5/6GHz Ant 4+3(4)	0.948	48.6	324.6	-174.8	73.7	1.03	0.01	Not required
Bluetooth Ant 3	0.082	30.1	253.3	-171.9				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	63.9	0.71	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	23.5	0.68	0.02	Not required
Bluetooth Ant 3	0.082	30.1	253.3	-171.9				
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0	42.5	0.19	0.00	Not required
Bluetooth Ant 3	0.082	30.1	253.3	-171.9				



<Case 12>

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)			0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.213	0.190	1.333	1.352	1.714
LTE Band 66_Ant 5	0.733	0.213	0.190	1.348	1.367	1.729
FR1 n25_Ant 5	0.619	0.213	0.190	1.234	1.253	1.615
FR1 n41_Ant 5	0.729	0.213	0.190	1.344	1.363	1.725
FR1 n48_Ant 5	0.730	0.213	0.190	1.345	1.364	1.726
FR1 n66_Ant 5	0.735	0.213	0.190	1.350	1.369	1.731
FR1 n77_Ant 5	0.728	0.213	0.190	1.343	1.362	1.724

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.593	52.7	247.4	-174.3	63.9	1.73	0.04	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.138	-0.2	282.9	-169.0				

<Case 13>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.213	0.123	1.266	1.285	1.647
LTE Band 66_Ant 5	0.733	0.213	0.123	1.281	1.300	1.662
FR1 n25_Ant 5	0.619	0.213	0.123	1.167	1.186	1.548
FR1 n41_Ant 5	0.729	0.213	0.123	1.277	1.296	1.658
FR1 n48_Ant 5	0.730	0.213	0.123	1.278	1.297	1.659
FR1 n66_Ant 5	0.735	0.213	0.123	1.283	1.302	1.664
FR1 n77_Ant 5	0.728	0.213	0.123	1.276	1.295	1.657

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5 + BT Ant 4+3(4) + WLAN5/6GHz Ant 4+3(4)	1.071	48.6	324.6	-174.8	71.5	1.19	0.02	Not required
BT Ant 4+3(3)	0.118	33.3	254.8	-173.2				
WWAN_Ant 5 + BT Ant 4+3(4) + WLAN5/6GHz Ant 4+3(4)	1.071	35.9	333.7	-174.5	62.6	1.18	0.02	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				
WWAN_Ant 5 + BT Ant 4+3(4) + WLAN5/6GHz Ant 4+3(4)	1.071	54.3	324.3	-174.1	76.9	1.66	0.03	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				
BT Ant 4+3(3)	0.118	33.3	254.8	-173.2	43.9	0.23	0.00	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	20.8	0.71	0.03	Not required
BT Ant 4+3(3)	0.118	33.3	254.8	-173.2				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	63.9	0.71	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				



<Case 14>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	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 66_Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)			0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.205	0.241	1.939	1.948	1.792	1.904	1.902	1.943	1.938	1.898	1.918	1.905	1.916	1.920	1.788	1.627
WCDMA V_Ant 1	0.773	0.205	0.241	1.928	1.937	1.781	1.893	1.891	1.932	1.927	1.887	1.907	1.894	1.905	1.909	1.777	1.616
LTE Band 12_Ant 1	0.774	0.205	0.241	1.929	1.938	1.782	1.894	1.892	1.933	1.928	1.888	1.908	1.895	1.906	1.910	1.778	1.617
LTE Band 13_Ant 1	0.752	0.205	0.241	1.907	1.916	1.760	1.872	1.870	1.911	1.906	1.866	1.886	1.873	1.884	1.888	1.756	1.595
LTE Band 14_Ant 1	0.769	0.205	0.241	1.924	1.933	1.777	1.889	1.887	1.928	1.923	1.883	1.903	1.890	1.901	1.905	1.773	1.612
LTE Band 25_Ant 1	0.771	0.205	0.241	1.926	1.935	1.779	1.891	1.889	1.930	1.925	1.885	1.905	1.892	1.903	1.907	1.775	1.614
LTE Band 26_Ant 1	0.771	0.205	0.241	1.926	1.935	1.779	1.891	1.889	1.930	1.925	1.885	1.905	1.892	1.903	1.907	1.775	1.614
LTE Band 66_Ant 1	0.685	0.205	0.241	1.840	1.849	1.693	1.805	1.803	1.844	1.839	1.799	1.819	1.806	1.817	1.821	1.689	1.528
LTE Band 71_Ant 1	0.782	0.205	0.241	1.937	1.946	1.790	1.902	1.900	1.941	1.936	1.896	1.916	1.903	1.914	1.918	1.786	1.625
FR1 n12_Ant 1	0.781	0.205	0.241	1.936	1.945	1.789	1.901	1.899	1.940	1.935	1.895	1.915	1.902	1.913	1.917	1.785	1.624
FR1 n14_Ant 1	0.743	0.205	0.241	1.898	1.907	1.751	1.863	1.861	1.902	1.897	1.857	1.877	1.864	1.875	1.879	1.747	1.586
FR1 n25_Ant 1	0.742	0.205	0.241	1.897	1.906	1.750	1.862	1.860	1.901	1.896	1.856	1.876	1.863	1.874	1.878	1.746	1.585
FR1 n26_Ant 1	0.783	0.205	0.241	1.938	1.947	1.791	1.903	1.901	1.942	1.937	1.897	1.917	1.904	1.915	1.919	1.787	1.626
FR1 n41_Ant 1	0.783	0.205	0.241	1.938	1.947	1.791	1.903	1.901	1.942	1.937	1.897	1.917	1.904	1.915	1.919	1.787	1.626
FR1 n48_Ant 1	0.363	0.205	0.241	1.518	1.527	1.371	1.483	1.481	1.522	1.517	1.477	1.497	1.484	1.495	1.499	1.367	1.206
FR1 n66_Ant 1	0.720	0.205	0.241	1.875	1.884	1.728	1.840	1.838	1.879	1.874	1.834	1.854	1.841	1.852	1.856	1.724	1.563
FR1 n71_Ant 1	0.785	0.205	0.241	1.940	1.949	1.793	1.905	1.903	1.944	1.939	1.899	1.919	1.906	1.917	1.921	1.789	1.628
FR1 n77_Ant 1	0.661	0.205	0.241	1.816	1.825	1.669	1.781	1.779	1.820	1.815	1.775	1.795	1.782	1.793	1.797	1.665	1.504

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	61.3	0.76	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 2	0.718	58.4	-250.6	-173.7	71.4	0.92	0.01	Not required
WLAN2.4GHz Ant 3	0.205	57.4	-322.0	-173.8				
WLAN2.4GHz Ant 3	0.205	57.4	-322.0	-173.8	72.3	0.25	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	1.026	26.8	-329.5	-174.8	31.5	1.23	0.04	Not required
WLAN2.4GHz Ant 3	0.205	57.4	-322.0	-173.8				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	1.026	26.8	-329.5	-174.8	57.8	1.07	0.02	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	1.026	12.8	-317.0	-174.1	78.8	1.74	0.03	Not required
Max WWAN Ant 2	0.718	53.7	-249.7	-174.4				



<Case 15>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	WLAN 5/6GHz Ant 4+3	GSM1 900 Ant 2	WCD MA II Ant 2	WCDMA A IV Ant 2	LTE Band 7_Ant 2	LTE Band 25 Ant 2	LTE Band30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)			0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.126	0.241	1.860	1.869	1.713	1.825	1.823	1.864	1.859	1.819	1.839	1.826	1.837	1.841	1.709	1.548
WCDMA V_Ant 1	0.773	0.126	0.241	1.849	1.858	1.702	1.814	1.812	1.853	1.848	1.808	1.828	1.815	1.826	1.830	1.698	1.537
LTE Band 12_Ant 1	0.774	0.126	0.241	1.850	1.859	1.703	1.815	1.813	1.854	1.849	1.809	1.829	1.816	1.827	1.831	1.699	1.538
LTE Band 13_Ant 1	0.752	0.126	0.241	1.828	1.837	1.681	1.793	1.791	1.832	1.827	1.787	1.807	1.794	1.805	1.809	1.677	1.516
LTE Band 14_Ant 1	0.769	0.126	0.241	1.845	1.854	1.698	1.810	1.808	1.849	1.844	1.804	1.824	1.811	1.822	1.826	1.694	1.533
LTE Band 25_Ant 1	0.771	0.126	0.241	1.847	1.856	1.700	1.812	1.810	1.851	1.846	1.806	1.826	1.813	1.824	1.828	1.696	1.535
LTE Band 26_Ant 1	0.771	0.126	0.241	1.847	1.856	1.700	1.812	1.810	1.851	1.846	1.806	1.826	1.813	1.824	1.828	1.696	1.535
LTE Band 66_Ant 1	0.685	0.126	0.241	1.761	1.770	1.614	1.726	1.724	1.765	1.760	1.720	1.740	1.727	1.738	1.742	1.610	1.449
LTE Band 71_Ant 1	0.782	0.126	0.241	1.858	1.867	1.711	1.823	1.821	1.862	1.857	1.817	1.837	1.824	1.835	1.839	1.707	1.546
FR1 n12_Ant 1	0.781	0.126	0.241	1.857	1.866	1.710	1.822	1.820	1.861	1.856	1.816	1.836	1.823	1.834	1.838	1.706	1.545
FR1 n14_Ant 1	0.743	0.126	0.241	1.819	1.828	1.672	1.784	1.782	1.823	1.818	1.778	1.798	1.785	1.796	1.800	1.668	1.507
FR1 n25_Ant 1	0.742	0.126	0.241	1.818	1.827	1.671	1.783	1.781	1.822	1.817	1.777	1.797	1.784	1.795	1.799	1.667	1.506
FR1 n26_Ant 1	0.783	0.126	0.241	1.859	1.868	1.712	1.824	1.822	1.863	1.858	1.818	1.838	1.825	1.836	1.840	1.708	1.547
FR1 n41_Ant 1	0.783	0.126	0.241	1.859	1.868	1.712	1.824	1.822	1.863	1.858	1.818	1.838	1.825	1.836	1.840	1.708	1.547
FR1 n48_Ant 1	0.363	0.126	0.241	1.439	1.448	1.292	1.404	1.402	1.443	1.438	1.398	1.418	1.405	1.416	1.420	1.288	1.127
FR1 n66_Ant 1	0.720	0.126	0.241	1.796	1.805	1.649	1.761	1.759	1.800	1.795	1.755	1.775	1.762	1.773	1.777	1.645	1.484
FR1 n71_Ant 1	0.785	0.126	0.241	1.861	1.870	1.714	1.826	1.824	1.865	1.860	1.820	1.840	1.827	1.838	1.842	1.710	1.549
FR1 n77_Ant 1	0.661	0.126	0.241	1.737	1.746	1.590	1.702	1.700	1.741	1.736	1.696	1.716	1.703	1.714	1.718	1.586	1.425

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	61.3	0.76	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	23.4	0.84	0.03	Not required
WLAN2.4GHz Ant 4	0.126	30.5	-256.8	-172.7				
WLAN2.4GHz Ant 4	0.126	30.5	-256.8	-172.7	38.3	0.17	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	1.026	12.8	-317.0	-174.1	62.8	1.15	0.02	Not required
WLAN2.4GHz Ant 4	0.126	30.5	-256.8	-172.7				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	1.026	12.8	-317.0	-174.1	40.8	1.07	0.03	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	1.026	12.8	-317.0	-174.1	78.8	1.74	0.03	Not required
Max WWAN Ant 2	0.718	53.7	-249.7	-174.4				



<Case 16>

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

Exposure Position	WWAN SAR	WLAN2.4G Hz Ant 4+3	WLAN5/6G Hz Ant 4+3	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Cheek	1g SAR (W/kg)			0.709	0.718	0.562	0.674	0.672	0.713	0.708	0.668	0.688	0.675	0.686	0.690	0.558	0.397
GSM850_Ant 1	0.784	0.225	0.241	1.959	1.968	1.812	1.924	1.922	1.963	1.958	1.918	1.938	1.925	1.936	1.940	1.808	1.647
WCDMA V_Ant 1	0.773	0.225	0.241	1.948	1.957	1.801	1.913	1.911	1.952	1.947	1.907	1.927	1.914	1.925	1.929	1.797	1.636
LTE Band 12_Ant 1	0.774	0.225	0.241	1.949	1.958	1.802	1.914	1.912	1.953	1.948	1.908	1.928	1.915	1.926	1.930	1.798	1.637
LTE Band 13_Ant 1	0.752	0.225	0.241	1.927	1.936	1.780	1.892	1.890	1.931	1.926	1.886	1.906	1.893	1.904	1.908	1.776	1.615
LTE Band 14_Ant 1	0.769	0.225	0.241	1.944	1.953	1.797	1.909	1.907	1.948	1.943	1.903	1.923	1.910	1.921	1.925	1.793	1.632
LTE Band 25_Ant 1	0.771	0.225	0.241	1.946	1.955	1.799	1.911	1.909	1.950	1.945	1.905	1.925	1.912	1.923	1.927	1.795	1.634
LTE Band 26_Ant 1	0.771	0.225	0.241	1.946	1.955	1.799	1.911	1.909	1.950	1.945	1.905	1.925	1.912	1.923	1.927	1.795	1.634
LTE Band 66_Ant 1	0.685	0.225	0.241	1.860	1.869	1.713	1.825	1.823	1.864	1.859	1.819	1.839	1.826	1.837	1.841	1.709	1.548
LTE Band 71_Ant 1	0.782	0.225	0.241	1.957	1.966	1.810	1.922	1.920	1.961	1.956	1.916	1.936	1.923	1.934	1.938	1.806	1.645
FR1 n12_Ant 1	0.781	0.225	0.241	1.956	1.965	1.809	1.921	1.919	1.960	1.955	1.915	1.935	1.922	1.933	1.937	1.805	1.644
FR1 n14_Ant 1	0.743	0.225	0.241	1.918	1.927	1.771	1.883	1.881	1.922	1.917	1.877	1.897	1.884	1.895	1.899	1.767	1.606
FR1 n25_Ant 1	0.742	0.225	0.241	1.917	1.926	1.770	1.882	1.880	1.921	1.916	1.876	1.896	1.883	1.894	1.898	1.766	1.605
FR1 n26_Ant 1	0.783	0.225	0.241	1.958	1.967	1.811	1.923	1.921	1.962	1.957	1.917	1.937	1.924	1.935	1.939	1.807	1.646
FR1 n41_Ant 1	0.783	0.225	0.241	1.958	1.967	1.811	1.923	1.921	1.962	1.957	1.917	1.937	1.924	1.935	1.939	1.807	1.646
FR1 n48_Ant 1	0.363	0.225	0.241	1.538	1.547	1.391	1.503	1.501	1.542	1.537	1.497	1.517	1.504	1.515	1.519	1.387	1.226
FR1 n66_Ant 1	0.720	0.225	0.241	1.895	1.904	1.748	1.860	1.858	1.899	1.894	1.854	1.874	1.861	1.872	1.876	1.744	1.583
FR1 n71_Ant 1	0.785	0.225	0.241	1.960	1.969	1.813	1.925	1.923	1.964	1.959	1.919	1.939	1.926	1.937	1.941	1.809	1.648
FR1 n77_Ant 1	0.661	0.225	0.241	1.836	1.845	1.689	1.801	1.799	1.840	1.835	1.795	1.815	1.802	1.813	1.817	1.685	1.524

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	21.5	0.85	0.04	Not required
WLAN2.4GHz Ant 4+3(4)	0.132	33.2	-258.0	-173.6				
Max WWAN Ant 2	0.718	51.8	-247.3	-174.3	61.3	0.76	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
WLAN2.4GHz Ant 4+3(4)	0.132	33.2	-258.0	-173.6	40.0	0.17	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3) +WLAN2.4GHz Ant 4+3(3)	1.251	12.8	-317.0	-174.1	62.4	1.38	0.03	Not required
WLAN2.4GHz Ant 4+3(4)	0.132	33.2	-258.0	-173.6				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3) +WLAN2.4GHz Ant 4+3(3)	1.251	12.8	-317.0	-174.1	40.8	1.29	0.04	Not required
WLAN5/6GHz Ant 4+3(4)	0.041	-0.4	-278.9	-168.1				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3) +WLAN2.4GHz Ant 4+3(3)	1.251	56.6	-322.5	-173.9	71.9	1.97	0.04	Not required
Max WWAN Ant 2	0.718	58.4	-250.6	-173.7				



<Case 17>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
GSM850_Ant 1	0.585	0.142	0.213	1.152	1.171	1.533
WCDMA V_Ant 1	0.519	0.142	0.213	1.086	1.105	1.467
LTE Band 12_Ant 1	0.518	0.142	0.213	1.085	1.104	1.466
LTE Band 13_Ant 1	0.416	0.142	0.213	0.983	1.002	1.364
LTE Band 14_Ant 1	0.533	0.142	0.213	1.100	1.119	1.481
LTE Band 25_Ant 1	0.225	0.142	0.213	0.792	0.811	1.173
LTE Band 26_Ant 1	0.519	0.142	0.213	1.086	1.105	1.467
LTE Band 66_Ant 1	0.268	0.142	0.213	0.835	0.854	1.216
LTE Band 71_Ant 1	0.349	0.142	0.213	0.916	0.935	1.297
FR1 n12_Ant 1	0.326	0.142	0.213	0.893	0.912	1.274
FR1 n14_Ant 1	0.543	0.142	0.213	1.110	1.129	1.491
FR1 n25_Ant 1	0.290	0.142	0.213	0.857	0.876	1.238
FR1 n26_Ant 1	0.432	0.142	0.213	0.999	1.018	1.380
FR1 n41_Ant 1	0.201	0.142	0.213	0.768	0.787	1.149
FR1 n48_Ant 1	0.647	0.142	0.213	1.214	1.233	1.595
FR1 n66_Ant 1	0.307	0.142	0.213	0.874	0.893	1.255
FR1 n71_Ant 1	0.318	0.142	0.213	0.885	0.904	1.266
FR1 n77_Ant 1	0.634	0.142	0.213	1.201	1.220	1.582

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.647	8.5	321.5	-173.7	86.3	1.24	0.02	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				
WWAN_Ant 1	0.647	9.4	322.8	-173.8	71.5	0.79	0.01	Not required
WLAN2.4GHz Ant 3	0.142	31.2	254.7	-172.5				
WWAN_Ant 1	0.647	9.4	322.8	-173.8	28.7	0.86	0.03	Not required
WLAN5/6GHz Ant 4+3	0.213	35.9	333.7	-174.5				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	22.8	0.74	0.03	Not required
WLAN2.4GHz Ant 3	0.142	31.2	254.7	-172.5				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	63.9	0.81	0.01	Not required
WLAN5/6GHz Ant 4+3	0.213	-0.2	282.9	-169.0				
WLAN2.4GHz Ant 3	0.142	31.2	254.7	-172.5	42.3	0.36	0.00	Not required
WLAN5/6GHz Ant 4+3	0.213	-0.2	282.9	-169.0				



<Case 18>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
GSM850_Ant 1	0.585	0.180	0.213	1.190	1.209	1.571
WCDMA V_Ant 1	0.519	0.180	0.213	1.124	1.143	1.505
LTE Band 12_Ant 1	0.518	0.180	0.213	1.123	1.142	1.504
LTE Band 13_Ant 1	0.416	0.180	0.213	1.021	1.040	1.402
LTE Band 14_Ant 1	0.533	0.180	0.213	1.138	1.157	1.519
LTE Band 25_Ant 1	0.225	0.180	0.213	0.830	0.849	1.211
LTE Band 26_Ant 1	0.519	0.180	0.213	1.124	1.143	1.505
LTE Band 66_Ant 1	0.268	0.180	0.213	0.873	0.892	1.254
LTE Band 71_Ant 1	0.349	0.180	0.213	0.954	0.973	1.335
FR1 n12_Ant 1	0.326	0.180	0.213	0.931	0.950	1.312
FR1 n14_Ant 1	0.543	0.180	0.213	1.148	1.167	1.529
FR1 n25_Ant 1	0.290	0.180	0.213	0.895	0.914	1.276
FR1 n26_Ant 1	0.432	0.180	0.213	1.037	1.056	1.418
FR1 n41_Ant 1	0.201	0.180	0.213	0.806	0.825	1.187
FR1 n48_Ant 1	0.647	0.180	0.213	1.252	1.271	1.633
FR1 n66_Ant 1	0.307	0.180	0.213	0.912	0.931	1.293
FR1 n71_Ant 1	0.318	0.180	0.213	0.923	0.942	1.304
FR1 n77_Ant 1	0.634	0.180	0.213	1.239	1.258	1.620

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
FR1 n77_Ant 6	0.593	52.7	247.4	-174.3	63.9	1.633	0.03	Not required
FR1 n48_Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.040	-0.2	282.9	-169.0				



<Case 19>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
GSM850_Ant 1	0.585	0.205	0.213	1.215	1.234	1.596
WCDMA V_Ant 1	0.519	0.205	0.213	1.149	1.168	1.530
LTE Band 12_Ant 1	0.518	0.205	0.213	1.148	1.167	1.529
LTE Band 13_Ant 1	0.416	0.205	0.213	1.046	1.065	1.427
LTE Band 14_Ant 1	0.533	0.205	0.213	1.163	1.182	1.544
LTE Band 25_Ant 1	0.225	0.205	0.213	0.855	0.874	1.236
LTE Band 26_Ant 1	0.519	0.205	0.213	1.149	1.168	1.530
LTE Band 66_Ant 1	0.268	0.205	0.213	0.898	0.917	1.279
LTE Band 71_Ant 1	0.349	0.205	0.213	0.979	0.998	1.360
FR1 n12_Ant 1	0.326	0.205	0.213	0.956	0.975	1.337
FR1 n14_Ant 1	0.543	0.205	0.213	1.173	1.192	1.554
FR1 n25_Ant 1	0.290	0.205	0.213	0.920	0.939	1.301
FR1 n26_Ant 1	0.432	0.205	0.213	1.062	1.081	1.443
FR1 n41_Ant 1	0.201	0.205	0.213	0.831	0.850	1.212
FR1 n48_Ant 1	0.647	0.205	0.213	1.277	1.296	1.658
FR1 n66_Ant 1	0.307	0.205	0.213	0.937	0.956	1.318
FR1 n71_Ant 1	0.318	0.205	0.213	0.948	0.967	1.329
FR1 n77_Ant 1	0.634	0.205	0.213	1.264	1.283	1.645

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.647	4.8	303.7	-172.4	73.9	1.24	0.02	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				
WWAN_Ant 1	0.647	9.4	322.8	-173.8	47.2	0.85	0.02	Not required
WLAN2.4GHz Ant 4+3	0.205	56.5	326.1	-173.4				
WWAN_Ant 1	0.647	4.8	303.7	-172.4	21.7	0.86	0.04	Not required
WLAN5/6GHz Ant 4+3	0.213	-0.2	282.9	-169.0				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	21.1	0.80	0.03	Not required
WLAN2.4GHz Ant 4+3	0.205	32.6	253.6	-172.8				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	63.9	0.81	0.01	Not required
WLAN5/6GHz Ant 4+3	0.213	-0.2	282.9	-169.0				
WLAN2.4GHz Ant 4+3	0.205	32.6	253.6	-172.8	44.1	0.42	0.01	Not required
WLAN5/6GHz Ant 4+3	0.213	-0.2	282.9	-169.0				



<Case 20>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.142	0.213	1.285	1.304	1.666
LTE Band 66_Ant 5	0.733	0.142	0.213	1.300	1.319	1.681
FR1 n25_Ant 5	0.619	0.142	0.213	1.186	1.205	1.567
FR1 n41_Ant 5	0.729	0.142	0.213	1.296	1.315	1.677
FR1 n48_Ant 5	0.730	0.142	0.213	1.297	1.316	1.678
FR1 n66_Ant 5	0.735	0.142	0.213	1.302	1.321	1.683
FR1 n77_Ant 5	0.728	0.142	0.213	1.295	1.314	1.676

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5 + WLAN5/6GHz Ant 4+3	0.948	-0.2	282.9	-169.0	63.9	1.54	0.03	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				
WWAN_Ant 5 + WLAN5/6GHz Ant 4+3	0.948	-0.2	282.9	-169.0	42.3	1.09	0.03	Not required
WLAN2.4GHz Ant 3	0.142	31.2	254.7	-172.5				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	22.8	0.74	0.03	Not required
WLAN2.4GHz Ant 3	0.142	31.2	254.7	-172.5				



<Case 21>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.180	0.213	1.323	1.342	1.704
LTE Band 66_Ant 5	0.733	0.180	0.213	1.338	1.357	1.719
FR1 n25_Ant 5	0.619	0.180	0.213	1.224	1.243	1.605
FR1 n41_Ant 5	0.729	0.180	0.213	1.334	1.353	1.715
FR1 n48_Ant 5	0.730	0.180	0.213	1.335	1.354	1.716
FR1 n66_Ant 5	0.735	0.180	0.213	1.340	1.359	1.721
FR1 n77_Ant 5	0.728	0.180	0.213	1.333	1.352	1.714

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
FR1 n77_Ant 6	0.593	52.7	247.4	-174.3	63.9	1.72	0.04	Not required
FR1 n66_Ant 5 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.128	-0.2	282.9	-169.0				

<Case 22>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Left Cheek	1g SAR (W/kg)			0.212	0.231	0.593
LTE Band 25_Ant 5	0.718	0.205	0.213	1.348	1.367	1.729
LTE Band 66_Ant 5	0.733	0.205	0.213	1.363	1.382	1.744
FR1 n25_Ant 5	0.619	0.205	0.213	1.249	1.268	1.630
FR1 n41_Ant 5	0.729	0.205	0.213	1.359	1.378	1.740
FR1 n48_Ant 5	0.730	0.205	0.213	1.360	1.379	1.741
FR1 n66_Ant 5	0.735	0.205	0.213	1.365	1.384	1.746
FR1 n77_Ant 5	0.728	0.205	0.213	1.358	1.377	1.739

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 5 + WLAN2.4GHz Ant 4+3(3) + WLAN5/6GHz Ant 4+3(4)	1.153	48.6	324.6	-174.8	72.8	1.33	0.02	Not required
WLAN2.4GHz Ant 4+3(4)	0.172	32.6	253.6	-172.8				
WWAN_Ant 5 + WLAN2.4GHz Ant 4+3(3) + WLAN5/6GHz Ant 4+3(4)	1.153	35.9	333.7	-174.5	62.6	1.27	0.02	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				
WWAN_Ant 5 + WLAN2.4GHz Ant 4+3(3) + WLAN5/6GHz Ant 4+3(4)	1.153	54.3	324.3	-174.1	76.9	1.75	0.03	Not required
WWAN_Ant 6	0.593	52.7	247.4	-174.3				
WLAN2.4GHz Ant 4+3(4)	0.172	32.6	253.6	-172.8	44.1	0.28	0.00	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	21.1	0.77	0.03	Not required
WLAN2.4GHz Ant 4+3(4)	0.172	32.6	253.6	-172.8				
WWAN_Ant 6	0.593	52.7	247.4	-174.3	63.9	0.71	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.112	-0.2	282.9	-169.0				



<Case 23>

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

Table with 25 columns (Exposure Position, WWAN SAR, WLAN SAR, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and 25 rows of SAR values.

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

Table with 9 columns: Combination, SAR, SAR peak location (mm) [X, Y, Z], 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 1 + WLAN2.4GHz Ant 3.



<Case 24>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)		0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.451	0.596	0.506	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.270	1.369	1.151	1.260	1.407	1.436	1.157	1.229	1.318	1.392	1.223	1.522	1.398	1.223	1.368	1.278	1.168	1.116	1.333	1.272	1.504	1.277	1.227	1.397	1.326	1.212
WCDMA V_Ant 1	0.463	0.270	1.330	1.112	1.221	1.368	1.397	1.118	1.190	1.279	1.353	1.184	1.483	1.359	1.184	1.329	1.239	1.129	1.077	1.294	1.233	1.465	1.238	1.188	1.358	1.287	1.173
LTE Band 12_Ant 1	0.324	0.270	1.191	0.973	1.082	1.229	1.258	0.979	1.051	1.140	1.214	1.045	1.344	1.220	1.045	1.190	1.100	0.990	0.938	1.155	1.094	1.326	1.099	1.049	1.219	1.148	1.034
LTE Band 13_Ant 1	0.389	0.270	1.256	1.038	1.147	1.294	1.323	1.044	1.116	1.205	1.279	1.110	1.409	1.285	1.110	1.255	1.165	1.055	1.003	1.220	1.159	1.391	1.164	1.114	1.284	1.213	1.099
LTE Band 14_Ant 1	0.407	0.270	1.274	1.056	1.165	1.312	1.341	1.062	1.134	1.223	1.297	1.128	1.427	1.303	1.128	1.273	1.183	1.073	1.021	1.238	1.177	1.409	1.182	1.132	1.302	1.231	1.117
LTE Band 25_Ant 1	0.684	0.270	1.551	1.333	1.442	1.589	1.618	1.339	1.411	1.500	1.574	1.405	1.704	1.580	1.405	1.550	1.460	1.350	1.298	1.515	1.454	1.686	1.459	1.409	1.579	1.508	1.394
LTE Band 26_Ant 1	0.478	0.270	1.345	1.127	1.236	1.383	1.412	1.133	1.205	1.294	1.368	1.199	1.498	1.374	1.199	1.344	1.254	1.144	1.092	1.309	1.248	1.480	1.253	1.203	1.373	1.302	1.188
LTE Band 66_Ant 1	0.844	0.270	1.711	1.493	1.602	1.749	1.778	1.499	1.571	1.660	1.734	1.565	1.864	1.740	1.565	1.710	1.620	1.510	1.458	1.675	1.614	1.846	1.619	1.569	1.739	1.668	1.554
LTE Band 71_Ant 1	0.304	0.270	1.171	0.953	1.062	1.209	1.238	0.959	1.031	1.120	1.194	1.025	1.324	1.200	1.025	1.170	1.080	0.970	0.918	1.135	1.074	1.306	1.079	1.029	1.199	1.128	1.014
FR1 n12_Ant 1	0.228	0.270	1.095	0.877	0.986	1.133	1.162	0.883	0.955	1.044	1.118	0.949	1.248	1.124	0.949	1.094	1.004	0.894	0.842	1.059	0.998	1.230	1.003	0.953	1.123	1.052	0.938
FR1 n14_Ant 1	0.380	0.270	1.247	1.029	1.138	1.285	1.314	1.035	1.107	1.196	1.270	1.101	1.400	1.276	1.101	1.246	1.156	1.046	0.994	1.211	1.150	1.382	1.155	1.105	1.275	1.204	1.090
FR1 n25_Ant 1	0.836	0.270	1.703	1.485	1.594	1.741	1.770	1.491	1.563	1.652	1.726	1.557	1.856	1.732	1.557	1.702	1.612	1.502	1.450	1.667	1.606	1.838	1.611	1.561	1.731	1.660	1.546
FR1 n26_Ant 1	0.435	0.270	1.302	1.084	1.193	1.340	1.369	1.090	1.162	1.251	1.325	1.156	1.455	1.331	1.156	1.301	1.211	1.101	1.049	1.266	1.205	1.437	1.210	1.160	1.330	1.259	1.145
FR1 n41_Ant 1	0.694	0.270	1.561	1.343	1.452	1.599	1.628	1.349	1.421	1.510	1.584	1.415	1.714	1.590	1.415	1.560	1.470	1.360	1.308	1.525	1.464	1.696	1.469	1.419	1.589	1.518	1.404
FR1 n48_Ant 1	0.461	0.270	1.328	1.110	1.219	1.366	1.395	1.116	1.188	1.277	1.351	1.182	1.481	1.357	1.182	1.327	1.237	1.127	1.075	1.292	1.231	1.463	1.236	1.186	1.356	1.285	1.171
FR1 n66_Ant 1	0.628	0.270	1.495	1.277	1.386	1.533	1.562	1.283	1.355	1.444	1.518	1.349	1.648	1.524	1.349	1.494	1.404	1.294	1.242	1.459	1.398	1.630	1.403	1.353	1.523	1.452	1.338
FR1 n71_Ant 1	0.350	0.270	1.217	0.999	1.108	1.255	1.284	1.005	1.077	1.166	1.240	1.071	1.370	1.246	1.071	1.216	1.126	1.016	0.964	1.181	1.120	1.352	1.125	1.075	1.245	1.174	1.060
FR1 n77_Ant 1	0.539	0.270	1.406	1.188	1.297	1.444	1.473	1.194	1.266	1.355	1.429	1.260	1.559	1.435	1.260	1.405	1.315	1.205	1.153	1.370	1.309	1.541	1.314	1.264	1.434	1.363	1.249

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-15.1	-70.4	-207.0	112.5	1.86	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant	1.114	-60.5	32.5	-207.0				



<Case 25>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.451	0.596	0.506	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440	
GSM850_Ant 1	0.502	0.362	1.461	1.243	1.352	1.499	1.528	1.249	1.321	1.410	1.484	1.315	1.614	1.490	1.315	1.460	1.370	1.260	1.208	1.425	1.364	1.596	1.369	1.319	1.489	1.418	1.304
WCDMA V_Ant 1	0.463	0.362	1.422	1.204	1.313	1.460	1.489	1.210	1.282	1.371	1.445	1.276	1.575	1.451	1.276	1.421	1.331	1.221	1.169	1.386	1.325	1.557	1.330	1.280	1.450	1.379	1.265
LTE Band 12_Ant 1	0.324	0.362	1.283	1.065	1.174	1.321	1.350	1.071	1.143	1.232	1.306	1.137	1.436	1.312	1.137	1.282	1.192	1.082	1.030	1.247	1.186	1.418	1.191	1.141	1.311	1.240	1.126
LTE Band 13_Ant 1	0.389	0.362	1.348	1.130	1.239	1.386	1.415	1.136	1.208	1.297	1.371	1.202	1.501	1.377	1.202	1.347	1.257	1.147	1.095	1.312	1.251	1.483	1.256	1.206	1.376	1.305	1.191
LTE Band 14_Ant 1	0.407	0.362	1.366	1.148	1.257	1.404	1.433	1.154	1.226	1.315	1.389	1.220	1.519	1.395	1.220	1.365	1.275	1.165	1.113	1.330	1.269	1.501	1.274	1.224	1.394	1.323	1.209
LTE Band 25_Ant 1	0.684	0.362	1.643	1.425	1.534	1.681	1.710	1.431	1.503	1.592	1.666	1.497	1.796	1.672	1.497	1.642	1.552	1.442	1.390	1.607	1.546	1.778	1.551	1.501	1.671	1.600	1.486
LTE Band 26_Ant 1	0.478	0.362	1.437	1.219	1.328	1.475	1.504	1.225	1.297	1.386	1.460	1.291	1.590	1.466	1.291	1.436	1.346	1.236	1.184	1.401	1.340	1.572	1.345	1.295	1.465	1.394	1.280
LTE Band 66_Ant 1	0.844	0.362	1.803	1.585	1.694	1.841	1.870	1.591	1.663	1.752	1.826	1.657	1.956	1.832	1.657	1.802	1.712	1.602	1.550	1.767	1.706	1.938	1.711	1.661	1.831	1.760	1.646
LTE Band 71_Ant 1	0.304	0.362	1.263	1.045	1.154	1.301	1.330	1.051	1.123	1.212	1.286	1.117	1.416	1.292	1.117	1.262	1.172	1.062	1.010	1.227	1.166	1.398	1.171	1.121	1.291	1.220	1.106
FR1 n12_Ant 1	0.228	0.362	1.187	0.969	1.078	1.225	1.254	0.975	1.047	1.136	1.210	1.041	1.340	1.216	1.041	1.186	1.096	0.986	0.934	1.151	1.090	1.322	1.095	1.045	1.215	1.144	1.030
FR1 n14_Ant 1	0.380	0.362	1.339	1.121	1.230	1.377	1.406	1.127	1.199	1.288	1.362	1.193	1.492	1.368	1.193	1.338	1.248	1.138	1.086	1.303	1.242	1.474	1.247	1.197	1.367	1.296	1.182
FR1 n25_Ant 1	0.836	0.362	1.795	1.577	1.686	1.833	1.862	1.583	1.655	1.744	1.818	1.649	1.948	1.824	1.649	1.794	1.704	1.594	1.542	1.759	1.698	1.930	1.703	1.653	1.823	1.752	1.638
FR1 n26_Ant 1	0.435	0.362	1.394	1.176	1.285	1.432	1.461	1.182	1.254	1.343	1.417	1.248	1.547	1.423	1.248	1.393	1.303	1.193	1.141	1.358	1.297	1.529	1.302	1.252	1.422	1.351	1.237
FR1 n41_Ant 1	0.694	0.362	1.653	1.435	1.544	1.691	1.720	1.441	1.513	1.602	1.676	1.507	1.806	1.682	1.507	1.652	1.562	1.452	1.400	1.617	1.556	1.788	1.561	1.511	1.681	1.610	1.496
FR1 n48_Ant 1	0.461	0.362	1.420	1.202	1.311	1.458	1.487	1.208	1.280	1.369	1.443	1.274	1.573	1.449	1.274	1.419	1.329	1.219	1.167	1.384	1.323	1.555	1.328	1.278	1.448	1.377	1.263
FR1 n66_Ant 1	0.628	0.362	1.587	1.369	1.478	1.625	1.654	1.375	1.447	1.536	1.610	1.441	1.740	1.616	1.441	1.586	1.496	1.386	1.334	1.551	1.490	1.722	1.495	1.445	1.615	1.544	1.430
FR1 n71_Ant 1	0.350	0.362	1.309	1.091	1.200	1.347	1.376	1.097	1.169	1.258	1.332	1.163	1.462	1.338	1.163	1.308	1.218	1.108	1.056	1.273	1.212	1.444	1.217	1.167	1.337	1.266	1.152
FR1 n77_Ant 1	0.539	0.362	1.498	1.280	1.389	1.536	1.565	1.286	1.358	1.447	1.521	1.352	1.651	1.527	1.352	1.497	1.407	1.297	1.245	1.462	1.401	1.633	1.406	1.356	1.526	1.455	1.341

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-4.4	-71.4	-207.0	100.6	1.96	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	14.0	27.5	-207.0				



<Case 26>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.451	0.596	0.506	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440	
GSM850_Ant 1	0.502	0.392	1.491	1.273	1.382	1.529	1.558	1.279	1.351	1.440	1.514	1.345	1.644	1.520	1.345	1.490	1.400	1.290	1.238	1.455	1.394	1.626	1.399	1.349	1.519	1.448	1.334
WCDMA V_Ant 1	0.463	0.392	1.452	1.234	1.343	1.490	1.519	1.240	1.312	1.401	1.475	1.306	1.605	1.481	1.306	1.451	1.361	1.251	1.199	1.416	1.355	1.587	1.360	1.310	1.480	1.409	1.295
LTE Band 12_Ant 1	0.324	0.392	1.313	1.095	1.204	1.351	1.380	1.101	1.173	1.262	1.336	1.167	1.466	1.342	1.167	1.312	1.222	1.112	1.060	1.277	1.216	1.448	1.221	1.171	1.341	1.270	1.156
LTE Band 13_Ant 1	0.389	0.392	1.378	1.160	1.269	1.416	1.445	1.166	1.238	1.327	1.401	1.232	1.531	1.407	1.232	1.377	1.287	1.177	1.125	1.342	1.281	1.513	1.286	1.236	1.406	1.335	1.221
LTE Band 14_Ant 1	0.407	0.392	1.396	1.178	1.287	1.434	1.463	1.184	1.256	1.345	1.419	1.250	1.549	1.425	1.250	1.395	1.305	1.195	1.143	1.360	1.299	1.531	1.304	1.254	1.424	1.353	1.239
LTE Band 25_Ant 1	0.684	0.392	1.673	1.455	1.564	1.711	1.740	1.461	1.533	1.622	1.696	1.527	1.826	1.702	1.527	1.672	1.582	1.472	1.420	1.637	1.576	1.808	1.581	1.531	1.701	1.630	1.516
LTE Band 26_Ant 1	0.478	0.392	1.467	1.249	1.358	1.505	1.534	1.255	1.327	1.416	1.490	1.321	1.620	1.496	1.321	1.466	1.376	1.266	1.214	1.431	1.370	1.602	1.375	1.325	1.495	1.424	1.310
LTE Band 66_Ant 1	0.844	0.392	1.833	1.615	1.724	1.871	1.900	1.621	1.693	1.782	1.856	1.687	1.986	1.862	1.687	1.832	1.742	1.632	1.580	1.797	1.736	1.968	1.741	1.691	1.861	1.790	1.676
LTE Band 71_Ant 1	0.304	0.392	1.293	1.075	1.184	1.331	1.360	1.081	1.153	1.242	1.316	1.147	1.446	1.322	1.147	1.292	1.202	1.092	1.040	1.257	1.196	1.428	1.201	1.151	1.321	1.250	1.136
FR1 n12_Ant 1	0.228	0.392	1.217	0.999	1.108	1.255	1.284	1.005	1.077	1.166	1.240	1.071	1.370	1.246	1.071	1.216	1.126	1.016	0.964	1.181	1.120	1.352	1.125	1.075	1.245	1.174	1.060
FR1 n14_Ant 1	0.380	0.392	1.369	1.151	1.260	1.407	1.436	1.157	1.229	1.318	1.392	1.223	1.522	1.398	1.223	1.368	1.278	1.168	1.116	1.333	1.272	1.504	1.277	1.227	1.397	1.326	1.212
FR1 n25_Ant 1	0.836	0.392	1.825	1.607	1.716	1.863	1.892	1.613	1.685	1.774	1.848	1.679	1.978	1.854	1.679	1.824	1.734	1.624	1.572	1.789	1.728	1.960	1.733	1.683	1.853	1.782	1.668
FR1 n26_Ant 1	0.435	0.392	1.424	1.206	1.315	1.462	1.491	1.212	1.284	1.373	1.447	1.278	1.577	1.453	1.278	1.423	1.333	1.223	1.171	1.388	1.327	1.559	1.332	1.282	1.452	1.381	1.267
FR1 n41_Ant 1	0.694	0.392	1.683	1.465	1.574	1.721	1.750	1.471	1.543	1.632	1.706	1.537	1.836	1.712	1.537	1.682	1.592	1.482	1.430	1.647	1.586	1.818	1.591	1.541	1.711	1.640	1.526
FR1 n48_Ant 1	0.461	0.392	1.450	1.232	1.341	1.488	1.517	1.238	1.310	1.399	1.473	1.304	1.603	1.479	1.304	1.449	1.359	1.249	1.197	1.414	1.353	1.585	1.358	1.308	1.478	1.407	1.293
FR1 n66_Ant 1	0.628	0.392	1.617	1.399	1.508	1.655	1.684	1.405	1.477	1.566	1.640	1.471	1.770	1.646	1.471	1.616	1.526	1.416	1.364	1.581	1.520	1.752	1.525	1.475	1.645	1.574	1.460
FR1 n71_Ant 1	0.350	0.392	1.339	1.121	1.230	1.377	1.406	1.127	1.199	1.288	1.362	1.193	1.492	1.368	1.193	1.338	1.248	1.138	1.086	1.303	1.242	1.474	1.247	1.197	1.367	1.296	1.182
FR1 n77_Ant 1	0.539	0.392	1.528	1.310	1.419	1.566	1.595	1.316	1.388	1.477	1.551	1.382	1.681	1.557	1.382	1.527	1.437	1.327	1.275	1.492	1.431	1.663	1.436	1.386	1.556	1.485	1.371

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-12.2	-81.4	-207.0	132.4	1.99	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	-2.4	50.6	-207.0				



<Case 27>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II_Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Side	1g SAR (W/kg)	0.385	0.089	0.108	0.156	0.487	0.063	0.534	0.715	0.607	0.101	0.566	0.092	0.053	0.139	0.508	0.053	0.559	0.449	0.110	0.477	0.093	0.051	0.130	0.130	0.480	
GSM850_Ant 1	0.181	0.463	1.029	0.733	0.752	0.800	1.131	0.707	1.178	1.359	1.251	0.745	1.210	0.736	0.697	0.783	1.152	0.697	1.203	1.093	0.754	1.121	0.737	0.695	0.774	0.774	1.124
WCDMA V_Ant 1	0.138	0.463	0.986	0.690	0.709	0.757	1.088	0.664	1.135	1.316	1.208	0.702	1.167	0.693	0.654	0.740	1.109	0.654	1.160	1.050	0.711	1.078	0.694	0.652	0.731	0.731	1.081
LTE Band 12_Ant 1	0.350	0.463	1.198	0.902	0.921	0.969	1.300	0.876	1.347	1.528	1.420	0.914	1.379	0.905	0.866	0.952	1.321	0.866	1.372	1.262	0.923	1.290	0.906	0.864	0.943	0.943	1.293
LTE Band 13_Ant 1	0.270	0.463	1.118	0.822	0.841	0.889	1.220	0.796	1.267	1.448	1.340	0.834	1.299	0.825	0.786	0.872	1.241	0.786	1.292	1.182	0.843	1.210	0.826	0.784	0.863	0.863	1.213
LTE Band 14_Ant 1	0.176	0.463	1.024	0.728	0.747	0.795	1.126	0.702	1.173	1.354	1.246	0.740	1.205	0.731	0.692	0.778	1.147	0.692	1.198	1.088	0.749	1.116	0.732	0.690	0.769	0.769	1.119
LTE Band 25_Ant 1	0.351	0.463	1.199	0.903	0.922	0.970	1.301	0.877	1.348	1.529	1.421	0.915	1.380	0.906	0.867	0.953	1.322	0.867	1.373	1.263	0.924	1.291	0.907	0.865	0.944	0.944	1.294
LTE Band 26_Ant 1	0.173	0.463	1.021	0.725	0.744	0.792	1.123	0.699	1.170	1.351	1.243	0.737	1.202	0.728	0.689	0.775	1.144	0.689	1.195	1.085	0.746	1.113	0.729	0.687	0.766	0.766	1.116
LTE Band 66_Ant 1	0.127	0.463	0.975	0.679	0.698	0.746	1.077	0.653	1.124	1.305	1.197	0.691	1.156	0.682	0.643	0.729	1.098	0.643	1.149	1.039	0.700	1.067	0.683	0.641	0.720	0.720	1.070
LTE Band 71_Ant 1	0.303	0.463	1.151	0.855	0.874	0.922	1.253	0.829	1.300	1.481	1.373	0.867	1.332	0.858	0.819	0.905	1.274	0.819	1.325	1.215	0.876	1.243	0.859	0.817	0.896	0.896	1.246
FR1 n12_Ant 1	0.315	0.463	1.163	0.867	0.886	0.934	1.265	0.841	1.312	1.493	1.385	0.879	1.344	0.870	0.831	0.917	1.286	0.831	1.337	1.227	0.888	1.255	0.871	0.829	0.908	0.908	1.258
FR1 n14_Ant 1	0.168	0.463	1.016	0.720	0.739	0.787	1.118	0.694	1.165	1.346	1.238	0.732	1.197	0.723	0.684	0.770	1.139	0.684	1.190	1.080	0.741	1.108	0.724	0.682	0.761	0.761	1.111
FR1 n25_Ant 1	0.430	0.463	1.278	0.982	1.001	1.049	1.380	0.956	1.427	1.608	1.500	0.994	1.459	0.985	0.946	1.032	1.401	0.946	1.452	1.342	1.003	1.370	0.986	0.944	1.023	1.023	1.373
FR1 n26_Ant 1	0.162	0.463	1.010	0.714	0.733	0.781	1.112	0.688	1.159	1.340	1.232	0.726	1.191	0.717	0.678	0.764	1.133	0.678	1.184	1.074	0.735	1.102	0.718	0.676	0.755	0.755	1.105
FR1 n41_Ant 1	0.300	0.463	1.148	0.852	0.871	0.919	1.250	0.826	1.297	1.478	1.370	0.864	1.329	0.855	0.816	0.902	1.271	0.816	1.322	1.212	0.873	1.240	0.856	0.814	0.893	0.893	1.243
FR1 n48_Ant 1	0.210	0.463	1.058	0.762	0.781	0.829	1.160	0.736	1.207	1.388	1.280	0.774	1.239	0.765	0.726	0.812	1.181	0.726	1.232	1.122	0.783	1.150	0.766	0.724	0.803	0.803	1.153
FR1 n66_Ant 1	0.349	0.463	1.197	0.901	0.920	0.968	1.299	0.875	1.346	1.527	1.419	0.913	1.378	0.904	0.865	0.951	1.320	0.865	1.371	1.261	0.922	1.289	0.905	0.863	0.942	0.942	1.292
FR1 n71_Ant 1	0.321	0.463	1.169	0.873	0.892	0.940	1.271	0.847	1.318	1.499	1.391	0.885	1.350	0.876	0.837	0.923	1.292	0.837	1.343	1.233	0.894	1.261	0.877	0.835	0.914	0.914	1.264
FR1 n77_Ant 1	0.364	0.463	1.212	0.916	0.935	0.983	1.314	0.890	1.361	1.542	1.434	0.928	1.393	0.919	0.880	0.966	1.335	0.880	1.386	1.276	0.937	1.304	0.920	0.878	0.957	0.957	1.307

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0	60.3	1.61	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	0.893	-23.4	60.7	-207.0				



<Case 28>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 0	0.597	0.351	1.481	1.477	1.439	1.434	1.302	1.470	1.478	1.324	1.484	1.356	1.481	1.428	1.478	1.390
GSM1900_Ant 0	0.379	0.351	1.263	1.259	1.221	1.216	1.084	1.252	1.260	1.106	1.266	1.138	1.263	1.210	1.260	1.172
WCDMA II_Ant 0	0.488	0.351	1.372	1.368	1.330	1.325	1.193	1.361	1.369	1.215	1.375	1.247	1.372	1.319	1.369	1.281
WCDMA IV_Ant 0	0.635	0.351	1.519	1.515	1.477	1.472	1.340	1.508	1.516	1.362	1.522	1.394	1.519	1.466	1.516	1.428
WCDMA V_Ant 0	0.664	0.351	1.548	1.544	1.506	1.501	1.369	1.537	1.545	1.391	1.551	1.423	1.548	1.495	1.545	1.457
LTE Band 7_Ant 0	0.385	0.351	1.269	1.265	1.227	1.222	1.090	1.258	1.266	1.112	1.272	1.144	1.269	1.216	1.266	1.178
LTE Band 12_Ant 0	0.457	0.351	1.341	1.337	1.299	1.294	1.162	1.330	1.338	1.184	1.344	1.216	1.341	1.288	1.338	1.250
LTE Band 13_Ant 0	0.546	0.351	1.430	1.426	1.388	1.383	1.251	1.419	1.427	1.273	1.433	1.305	1.430	1.377	1.427	1.339
LTE Band 14_Ant 0	0.620	0.351	1.504	1.500	1.462	1.457	1.325	1.493	1.501	1.347	1.507	1.379	1.504	1.451	1.501	1.413
LTE Band 25_Ant 0	0.451	0.351	1.335	1.331	1.293	1.288	1.156	1.324	1.332	1.178	1.338	1.210	1.335	1.282	1.332	1.244
LTE Band 26_Ant 0	0.750	0.351	1.634	1.630	1.592	1.587	1.455	1.623	1.631	1.477	1.637	1.509	1.634	1.581	1.631	1.543
LTE Band 30_Ant 0	0.626	0.351	1.510	1.506	1.468	1.463	1.331	1.499	1.507	1.353	1.513	1.385	1.510	1.457	1.507	1.419
LTE Band 41_Ant 0	0.433	0.351	1.317	1.313	1.275	1.270	1.138	1.306	1.314	1.160	1.320	1.192	1.317	1.264	1.314	1.226
LTE Band 66_Ant 0	0.596	0.351	1.480	1.476	1.438	1.433	1.301	1.469	1.477	1.323	1.483	1.355	1.480	1.427	1.477	1.389
LTE Band 71_Ant 0	0.475	0.351	1.359	1.355	1.317	1.312	1.180	1.348	1.356	1.202	1.362	1.234	1.359	1.306	1.356	1.268
FR1 n7_Ant 0	0.396	0.351	1.280	1.276	1.238	1.233	1.101	1.269	1.277	1.123	1.283	1.155	1.280	1.227	1.277	1.189
FR1 n12_Ant 0	0.344	0.351	1.228	1.224	1.186	1.181	1.049	1.217	1.225	1.071	1.231	1.103	1.228	1.175	1.225	1.137
FR1 n14_Ant 0	0.561	0.351	1.445	1.441	1.403	1.398	1.266	1.434	1.442	1.288	1.448	1.320	1.445	1.392	1.442	1.354
FR1 n25_Ant 0	0.500	0.351	1.384	1.380	1.342	1.337	1.205	1.373	1.381	1.227	1.387	1.259	1.384	1.331	1.381	1.293
FR1 n26_Ant 0	0.732	0.351	1.616	1.612	1.574	1.569	1.437	1.605	1.613	1.459	1.619	1.491	1.616	1.563	1.613	1.525
FR1 n30_Ant 0	0.505	0.351	1.389	1.385	1.347	1.342	1.210	1.378	1.386	1.232	1.392	1.264	1.389	1.336	1.386	1.298
FR1 n41_Ant 0	0.455	0.351	1.339	1.335	1.297	1.292	1.160	1.328	1.336	1.182	1.342	1.214	1.339	1.286	1.336	1.248
FR1 n66_Ant 0	0.625	0.351	1.509	1.505	1.467	1.462	1.330	1.498	1.506	1.352	1.512	1.384	1.509	1.456	1.506	1.418
FR1 n70_Ant 0	0.554	0.351	1.438	1.434	1.396	1.391	1.259	1.427	1.435	1.281	1.441	1.313	1.438	1.385	1.435	1.347
FR1 n71_Ant 0	0.440	0.351	1.324	1.320	1.282	1.277	1.145	1.313	1.321	1.167	1.327	1.199	1.324	1.271	1.321	1.233

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0+Max WWAN Ant 2	1.286	-59.0	-46.5	-207.0	101.9	1.64	0.02	Not required
WLAN2.4GHz Ant 3	0.351	11.0	27.5	-207.0				



<Case 29>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)	0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442	
GSM850_Ant 0	0.597	0.362	1.492	1.488	1.450	1.445	1.313	1.481	1.489	1.335	1.495	1.367	1.492	1.439	1.489	1.401
GSM1900_Ant 0	0.379	0.362	1.274	1.270	1.232	1.227	1.095	1.263	1.271	1.117	1.277	1.149	1.274	1.221	1.271	1.183
WCDMA II_Ant 0	0.488	0.362	1.383	1.379	1.341	1.336	1.204	1.372	1.380	1.226	1.386	1.258	1.383	1.330	1.380	1.292
WCDMA IV_Ant 0	0.635	0.362	1.530	1.526	1.488	1.483	1.351	1.519	1.527	1.373	1.533	1.405	1.530	1.477	1.527	1.439
WCDMA V_Ant 0	0.664	0.362	1.559	1.555	1.517	1.512	1.380	1.548	1.556	1.402	1.562	1.434	1.559	1.506	1.556	1.468
LTE Band 7_Ant 0	0.385	0.362	1.280	1.276	1.238	1.233	1.101	1.269	1.277	1.123	1.283	1.155	1.280	1.227	1.277	1.189
LTE Band 12_Ant 0	0.457	0.362	1.352	1.348	1.310	1.305	1.173	1.341	1.349	1.195	1.355	1.227	1.352	1.299	1.349	1.261
LTE Band 13_Ant 0	0.546	0.362	1.441	1.437	1.399	1.394	1.262	1.430	1.438	1.284	1.444	1.316	1.441	1.388	1.438	1.350
LTE Band 14_Ant 0	0.620	0.362	1.515	1.511	1.473	1.468	1.336	1.504	1.512	1.358	1.518	1.390	1.515	1.462	1.512	1.424
LTE Band 25_Ant 0	0.451	0.362	1.346	1.342	1.304	1.299	1.167	1.335	1.343	1.189	1.349	1.221	1.346	1.293	1.343	1.255
LTE Band 26_Ant 0	0.750	0.362	1.645	1.641	1.603	1.598	1.466	1.634	1.642	1.488	1.648	1.520	1.645	1.592	1.642	1.554
LTE Band 30_Ant 0	0.626	0.362	1.521	1.517	1.479	1.474	1.342	1.510	1.518	1.364	1.524	1.396	1.521	1.468	1.518	1.430
LTE Band 41_Ant 0	0.433	0.362	1.328	1.324	1.286	1.281	1.149	1.317	1.325	1.171	1.331	1.203	1.328	1.275	1.325	1.237
LTE Band 66_Ant 0	0.596	0.362	1.491	1.487	1.449	1.444	1.312	1.480	1.488	1.334	1.494	1.366	1.491	1.438	1.488	1.400
LTE Band 71_Ant 0	0.475	0.362	1.370	1.366	1.328	1.323	1.191	1.359	1.367	1.213	1.373	1.245	1.370	1.317	1.367	1.279
FR1 n7_Ant 0	0.396	0.362	1.291	1.287	1.249	1.244	1.112	1.280	1.288	1.134	1.294	1.166	1.291	1.238	1.288	1.200
FR1 n12_Ant 0	0.344	0.362	1.239	1.235	1.197	1.192	1.060	1.228	1.236	1.082	1.242	1.114	1.239	1.186	1.236	1.148
FR1 n14_Ant 0	0.561	0.362	1.456	1.452	1.414	1.409	1.277	1.445	1.453	1.299	1.459	1.331	1.456	1.403	1.453	1.365
FR1 n25_Ant 0	0.500	0.362	1.395	1.391	1.353	1.348	1.216	1.384	1.392	1.238	1.398	1.270	1.395	1.342	1.392	1.304
FR1 n26_Ant 0	0.732	0.362	1.627	1.623	1.585	1.580	1.448	1.616	1.624	1.470	1.630	1.502	1.627	1.574	1.624	1.536
FR1 n30_Ant 0	0.505	0.362	1.400	1.396	1.358	1.353	1.221	1.389	1.397	1.243	1.403	1.275	1.400	1.347	1.397	1.309
FR1 n41_Ant 0	0.455	0.362	1.350	1.346	1.308	1.303	1.171	1.339	1.347	1.193	1.353	1.225	1.350	1.297	1.347	1.259
FR1 n66_Ant 0	0.625	0.362	1.520	1.516	1.478	1.473	1.341	1.509	1.517	1.363	1.523	1.395	1.520	1.467	1.517	1.429
FR1 n70_Ant 0	0.554	0.362	1.449	1.445	1.407	1.402	1.270	1.438	1.446	1.292	1.452	1.324	1.449	1.396	1.446	1.358
FR1 n71_Ant 0	0.440	0.362	1.335	1.331	1.293	1.288	1.156	1.324	1.332	1.178	1.338	1.210	1.335	1.282	1.332	1.244

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0+Max WWAN Ant 2	1.286	-56.0	-47.5	-207.0	102.6	1.65	0.02	Not required
WLAN2.4GHz Ant 4+3(3)	0.362	14.0	27.5	-207.0				
Max WWAN Ant 0+Max WWAN Ant 2	1.286	-59.0	-46.5	-207.0	73.0	1.59	0.03	Not required
WLAN2.4GHz Ant 4+3(4)	0.299	-58.0	26.5	-207.0				
WLAN2.4GHz Ant 4+3(3)	0.362	14.0	27.5	-207.0	72.0	0.66	0.01	Not required
WLAN2.4GHz Ant 4+3(4)	0.299	-58.0	26.5	-207.0				



<Case 30>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 0	0.597	0.392	1.522	1.518	1.480	1.475	1.343	1.511	1.519	1.365	1.525	1.397	1.522	1.469	1.519	1.431
GSM1900_Ant 0	0.379	0.392	1.304	1.300	1.262	1.257	1.125	1.293	1.301	1.147	1.307	1.179	1.304	1.251	1.301	1.213
WCDMA II_Ant 0	0.488	0.392	1.413	1.409	1.371	1.366	1.234	1.402	1.410	1.256	1.416	1.288	1.413	1.360	1.410	1.322
WCDMA IV_Ant 0	0.635	0.392	1.560	1.556	1.518	1.513	1.381	1.549	1.557	1.403	1.563	1.435	1.560	1.507	1.557	1.469
WCDMA V_Ant 0	0.664	0.392	1.589	1.585	1.547	1.542	1.410	1.578	1.586	1.432	1.592	1.464	1.589	1.536	1.586	1.498
LTE Band 7_Ant 0	0.385	0.392	1.310	1.306	1.268	1.263	1.131	1.299	1.307	1.153	1.313	1.185	1.310	1.257	1.307	1.219
LTE Band 12_Ant 0	0.457	0.392	1.382	1.378	1.340	1.335	1.203	1.371	1.379	1.225	1.385	1.257	1.382	1.329	1.379	1.291
LTE Band 13_Ant 0	0.546	0.392	1.471	1.467	1.429	1.424	1.292	1.460	1.468	1.314	1.474	1.346	1.471	1.418	1.468	1.380
LTE Band 14_Ant 0	0.620	0.392	1.545	1.541	1.503	1.498	1.366	1.534	1.542	1.388	1.548	1.420	1.545	1.492	1.542	1.454
LTE Band 25_Ant 0	0.451	0.392	1.376	1.372	1.334	1.329	1.197	1.365	1.373	1.219	1.379	1.251	1.376	1.323	1.373	1.285
LTE Band 26_Ant 0	0.750	0.392	1.675	1.671	1.633	1.628	1.496	1.664	1.672	1.518	1.678	1.550	1.675	1.622	1.672	1.584
LTE Band 30_Ant 0	0.626	0.392	1.551	1.547	1.509	1.504	1.372	1.540	1.548	1.394	1.554	1.426	1.551	1.498	1.548	1.460
LTE Band 41_Ant 0	0.433	0.392	1.358	1.354	1.316	1.311	1.179	1.347	1.355	1.201	1.361	1.233	1.358	1.305	1.355	1.267
LTE Band 66_Ant 0	0.596	0.392	1.521	1.517	1.479	1.474	1.342	1.510	1.518	1.364	1.524	1.396	1.521	1.468	1.518	1.430
LTE Band 71_Ant 0	0.475	0.392	1.400	1.396	1.358	1.353	1.221	1.389	1.397	1.243	1.403	1.275	1.400	1.347	1.397	1.309
FR1 n7_Ant 0	0.396	0.392	1.321	1.317	1.279	1.274	1.142	1.310	1.318	1.164	1.324	1.196	1.321	1.268	1.318	1.230
FR1 n12_Ant 0	0.344	0.392	1.269	1.265	1.227	1.222	1.090	1.258	1.266	1.112	1.272	1.144	1.269	1.216	1.266	1.178
FR1 n14_Ant 0	0.561	0.392	1.486	1.482	1.444	1.439	1.307	1.475	1.483	1.329	1.489	1.361	1.486	1.433	1.483	1.395
FR1 n25_Ant 0	0.500	0.392	1.425	1.421	1.383	1.378	1.246	1.414	1.422	1.268	1.428	1.300	1.425	1.372	1.422	1.334
FR1 n26_Ant 0	0.732	0.392	1.657	1.653	1.615	1.610	1.478	1.646	1.654	1.500	1.660	1.532	1.657	1.604	1.654	1.566
FR1 n30_Ant 0	0.505	0.392	1.430	1.426	1.388	1.383	1.251	1.419	1.427	1.273	1.433	1.305	1.430	1.377	1.427	1.339
FR1 n41_Ant 0	0.455	0.392	1.380	1.376	1.338	1.333	1.201	1.369	1.377	1.223	1.383	1.255	1.380	1.327	1.377	1.289
FR1 n66_Ant 0	0.625	0.392	1.550	1.546	1.508	1.503	1.371	1.539	1.547	1.393	1.553	1.425	1.550	1.497	1.547	1.459
FR1 n70_Ant 0	0.554	0.392	1.479	1.475	1.437	1.432	1.300	1.468	1.476	1.322	1.482	1.354	1.479	1.426	1.476	1.388
FR1 n71_Ant 0	0.440	0.392	1.365	1.361	1.323	1.318	1.186	1.354	1.362	1.208	1.368	1.240	1.365	1.312	1.362	1.274

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0+Max WWAN Ant 2	1.286	-56.0	-47.5	-207.0	130.8	1.68	0.02	Not required
WLAN5/6GHz Ant 4+3(3)	0.392	8.6	66.2	-207.0				
Max WWAN Ant 0+Max WWAN Ant 2	1.286	-60.0	-45.5	-207.0	131.7	1.48	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.191	-20.6	80.2	-207.0				
WLAN5/6GHz Ant 4+3(3)	0.392	8.6	66.2	-207.0	32.4	0.58	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.191	-20.6	80.2	-207.0				



<Case 31>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)	0.704	0.615	0.563	0.740	0.542	0.621	0.761	0.391	0.850	0.499	0.601	0.624	0.495	0.414	
GSM850_Ant 0	0.125	0.372	1.201	1.112	1.060	1.237	1.039	1.118	1.258	0.888	1.347	0.996	1.098	1.121	0.992	0.911
GSM1900_Ant 0	0.010	0.372	1.086	0.997	0.945	1.122	0.924	1.003	1.143	0.773	1.232	0.881	0.983	1.006	0.877	0.796
WCDMA II_Ant 0	0.015	0.372	1.091	1.002	0.950	1.127	0.929	1.008	1.148	0.778	1.237	0.886	0.988	1.011	0.882	0.801
WCDMA IV_Ant 0	0.009	0.372	1.085	0.996	0.944	1.121	0.923	1.002	1.142	0.772	1.231	0.880	0.982	1.005	0.876	0.795
WCDMA V_Ant 0	0.156	0.372	1.232	1.143	1.091	1.268	1.070	1.149	1.289	0.919	1.378	1.027	1.129	1.152	1.023	0.942
LTE Band 7_Ant 0	0.031	0.372	1.107	1.018	0.966	1.143	0.945	1.024	1.164	0.794	1.253	0.902	1.004	1.027	0.898	0.817
LTE Band 12_Ant 0	0.297	0.372	1.373	1.284	1.232	1.409	1.211	1.290	1.430	1.060	1.519	1.168	1.270	1.293	1.164	1.083
LTE Band 13_Ant 0	0.388	0.372	1.464	1.375	1.323	1.500	1.302	1.381	1.521	1.151	1.610	1.259	1.361	1.384	1.255	1.174
LTE Band 14_Ant 0	0.289	0.372	1.365	1.276	1.224	1.401	1.203	1.282	1.422	1.052	1.511	1.160	1.262	1.285	1.156	1.075
LTE Band 25_Ant 0	0.012	0.372	1.088	0.999	0.947	1.124	0.926	1.005	1.145	0.775	1.234	0.883	0.985	1.008	0.879	0.798
LTE Band 26_Ant 0	0.167	0.372	1.243	1.154	1.102	1.279	1.081	1.160	1.300	0.930	1.389	1.038	1.140	1.163	1.034	0.953
LTE Band 30_Ant 0	0.041	0.372	1.117	1.028	0.976	1.153	0.955	1.034	1.174	0.804	1.263	0.912	1.014	1.037	0.908	0.827
LTE Band 41_Ant 0	0.042	0.372	1.118	1.029	0.977	1.154	0.956	1.035	1.175	0.805	1.264	0.913	1.015	1.038	0.909	0.828
LTE Band 66_Ant 0	0.022	0.372	1.098	1.009	0.957	1.134	0.936	1.015	1.155	0.785	1.244	0.893	0.995	1.018	0.889	0.808
LTE Band 71_Ant 0	0.228	0.372	1.304	1.215	1.163	1.340	1.142	1.221	1.361	0.991	1.450	1.099	1.201	1.224	1.095	1.014
FR1 n7_Ant 0	0.037	0.372	1.113	1.024	0.972	1.149	0.951	1.030	1.170	0.800	1.259	0.908	1.010	1.033	0.904	0.823
FR1 n12_Ant 0	0.259	0.372	1.335	1.246	1.194	1.371	1.173	1.252	1.392	1.022	1.481	1.130	1.232	1.255	1.126	1.045
FR1 n14_Ant 0	0.299	0.372	1.375	1.286	1.234	1.411	1.213	1.292	1.432	1.062	1.521	1.170	1.272	1.295	1.166	1.085
FR1 n25_Ant 0	0.014	0.372	1.090	1.001	0.949	1.126	0.928	1.007	1.147	0.777	1.236	0.885	0.987	1.010	0.881	0.800
FR1 n26_Ant 0	0.144	0.372	1.220	1.131	1.079	1.256	1.058	1.137	1.277	0.907	1.366	1.015	1.117	1.140	1.011	0.930
FR1 n30_Ant 0	0.039	0.372	1.115	1.026	0.974	1.151	0.953	1.032	1.172	0.802	1.261	0.910	1.012	1.035	0.906	0.825
FR1 n41_Ant 0	0.030	0.372	1.106	1.017	0.965	1.142	0.944	1.023	1.163	0.793	1.252	0.901	1.003	1.026	0.897	0.816
FR1 n66_Ant 0	0.021	0.372	1.097	1.008	0.956	1.133	0.935	1.014	1.154	0.784	1.243	0.892	0.994	1.017	0.888	0.807
FR1 n70_Ant 0	0.024	0.372	1.100	1.011	0.959	1.136	0.938	1.017	1.157	0.787	1.246	0.895	0.997	1.020	0.891	0.810
FR1 n71_Ant 0	0.220	0.372	1.296	1.207	1.155	1.332	1.134	1.213	1.353	0.983	1.442	1.091	1.193	1.216	1.087	1.006

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-26.8	55.0	-207.0	56.5	1.61	0.04	Not required
Max WWAN Ant 0 + WLAN2.4GHz Ant 4+3	0.760	-26.1	-1.5	-207.0				



<Case 32>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0) and 16 rows of SAR data.

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

Table with 9 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 5 + WLAN2.4GHz Ant 3.

<Case 33>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0) and 16 rows of SAR data.

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

Table with 9 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 5 + WLAN2.4GHz Ant 4.

<Case 34>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4+3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0) and 16 rows of SAR data.

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

Table with 9 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3.



<Case 35>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0
Back	1g SAR (W/kg)	0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.451	0.596	0.506	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	
LTE Band 25_Ant 5	0.375	0.392	1.364	1.146	1.255	1.402	1.431	1.152	1.224	1.313	1.387	1.218	1.517	1.393	1.218	1.363	1.273	1.163	1.111	1.328	1.267	1.499	1.272	1.222	1.392	1.321
LTE Band 66_Ant 5	0.606	0.392	1.595	1.377	1.486	1.633	1.662	1.383	1.455	1.544	1.618	1.449	1.748	1.624	1.449	1.594	1.504	1.394	1.342	1.559	1.498	1.730	1.503	1.453	1.623	1.552
FR1 n25_Ant 5	0.487	0.392	1.476	1.258	1.367	1.514	1.543	1.264	1.336	1.425	1.499	1.330	1.629	1.505	1.330	1.475	1.385	1.275	1.223	1.440	1.379	1.611	1.384	1.334	1.504	1.433
FR1 n41_Ant 5	0.529	0.392	1.518	1.300	1.409	1.556	1.585	1.306	1.378	1.467	1.541	1.372	1.671	1.547	1.372	1.517	1.427	1.317	1.265	1.482	1.421	1.653	1.426	1.376	1.546	1.475
FR1 n48_Ant 5	0.385	0.392	1.374	1.156	1.265	1.412	1.441	1.162	1.234	1.323	1.397	1.228	1.527	1.403	1.228	1.373	1.283	1.173	1.121	1.338	1.277	1.509	1.282	1.232	1.402	1.331
FR1 n66_Ant 5	0.528	0.392	1.517	1.299	1.408	1.555	1.584	1.305	1.377	1.466	1.540	1.371	1.670	1.546	1.371	1.516	1.426	1.316	1.264	1.481	1.420	1.652	1.425	1.375	1.545	1.474
FR1 n77_Ant 5	0.559	0.392	1.548	1.330	1.439	1.586	1.615	1.336	1.408	1.497	1.571	1.402	1.701	1.577	1.402	1.547	1.457	1.347	1.295	1.512	1.451	1.683	1.456	1.406	1.576	1.505

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-14.5	-71.5	-207.0	119.9	1.75	0.02	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3	0.998	-61.4	38.9	-207.0				

<Case 36>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440	
LTE Band 48_Ant 7	0.322	0.392	1.311	1.093	1.202	1.349	1.378	1.099	1.171	1.260	1.334	1.165	1.464	1.340	1.147	1.310	1.189	1.110	1.058	1.275	1.214	1.446	1.219	1.169	1.339	1.268	1.154
FR1 n48_Ant 7	0.316	0.392	1.305	1.087	1.196	1.343	1.372	1.093	1.165	1.254	1.328	1.159	1.458	1.334	1.141	1.304	1.183	1.104	1.052	1.269	1.208	1.440	1.213	1.163	1.333	1.262	1.148
FR1 n77_Ant 7	0.459	0.392	1.448	1.230	1.339	1.486	1.515	1.236	1.308	1.397	1.471	1.302	1.601	1.477	1.284	1.447	1.326	1.247	1.195	1.412	1.351	1.583	1.356	1.306	1.476	1.405	1.291

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-15.2	-81.4	-207.0	65.0	1.60	0.03	Not required
Max WWAN Ant 7 + WLAN5/6GHz Ant 4+3	0.851	-64.0	-38.5	-207.0				



<Case 37>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	GSM1 900 Ant 2	WCDM A II Ant 2	WCDM A IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)	0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442	
GSM850_Ant 1	0.502	0.351	1.386	1.382	1.344	1.339	1.207	1.375	1.383	1.229	1.389	1.261	1.386	1.333	1.383	1.295
WCDMA V_Ant 1	0.463	0.351	1.347	1.343	1.305	1.300	1.168	1.336	1.344	1.190	1.350	1.222	1.347	1.294	1.344	1.256
LTE Band 12_Ant 1	0.324	0.351	1.208	1.204	1.166	1.161	1.029	1.197	1.205	1.051	1.211	1.083	1.208	1.155	1.205	1.117
LTE Band 13_Ant 1	0.389	0.351	1.273	1.269	1.231	1.226	1.094	1.262	1.270	1.116	1.276	1.148	1.273	1.220	1.270	1.182
LTE Band 14_Ant 1	0.407	0.351	1.291	1.287	1.249	1.244	1.112	1.280	1.288	1.134	1.294	1.166	1.291	1.238	1.288	1.200
LTE Band 25_Ant 1	0.684	0.351	1.568	1.564	1.526	1.521	1.389	1.557	1.565	1.411	1.571	1.443	1.568	1.515	1.565	1.477
LTE Band 26_Ant 1	0.478	0.351	1.362	1.358	1.320	1.315	1.183	1.351	1.359	1.205	1.365	1.237	1.362	1.309	1.359	1.271
LTE Band 66_Ant 1	0.844	0.351	1.728	1.724	1.686	1.681	1.549	1.717	1.725	1.571	1.731	1.603	1.728	1.675	1.725	1.637
LTE Band 71_Ant 1	0.304	0.351	1.188	1.184	1.146	1.141	1.009	1.177	1.185	1.031	1.191	1.063	1.188	1.135	1.185	1.097
FR1 n12_Ant 1	0.228	0.351	1.112	1.108	1.070	1.065	0.933	1.101	1.109	0.955	1.115	0.987	1.112	1.059	1.109	1.021
FR1 n14_Ant 1	0.380	0.351	1.264	1.260	1.222	1.217	1.085	1.253	1.261	1.107	1.267	1.139	1.264	1.211	1.261	1.173
FR1 n25_Ant 1	0.836	0.351	1.720	1.716	1.678	1.673	1.541	1.709	1.717	1.563	1.723	1.595	1.720	1.667	1.717	1.629
FR1 n26_Ant 1	0.435	0.351	1.319	1.315	1.277	1.272	1.140	1.308	1.316	1.162	1.322	1.194	1.319	1.266	1.316	1.228
FR1 n41_Ant 1	0.694	0.351	1.578	1.574	1.536	1.531	1.399	1.567	1.575	1.421	1.581	1.453	1.578	1.525	1.575	1.487
FR1 n48_Ant 1	0.461	0.351	1.345	1.341	1.303	1.298	1.166	1.334	1.342	1.188	1.348	1.220	1.345	1.292	1.342	1.254
FR1 n66_Ant 1	0.628	0.351	1.512	1.508	1.470	1.465	1.333	1.501	1.509	1.355	1.515	1.387	1.512	1.459	1.509	1.421
FR1 n71_Ant 1	0.350	0.351	1.234	1.230	1.192	1.187	1.055	1.223	1.231	1.077	1.237	1.109	1.234	1.181	1.231	1.143
FR1 n77_Ant 1	0.400	0.351	1.284	1.280	1.242	1.237	1.105	1.273	1.281	1.127	1.287	1.159	1.284	1.231	1.281	1.193

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-56.0	-47.5	-207.0	100.6	1.73	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 38>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz 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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.270	1.305	1.301	1.263	1.258	1.126	1.294	1.302	1.148	1.308	1.180	1.305	1.252	1.302	1.214
WCDMA V_Ant 1	0.463	0.270	1.266	1.262	1.224	1.219	1.087	1.255	1.263	1.109	1.269	1.141	1.266	1.213	1.263	1.175
LTE Band 12_Ant 1	0.324	0.270	1.127	1.123	1.085	1.080	0.948	1.116	1.124	0.970	1.130	1.002	1.127	1.074	1.124	1.036
LTE Band 13_Ant 1	0.389	0.270	1.192	1.188	1.150	1.145	1.013	1.181	1.189	1.035	1.195	1.067	1.192	1.139	1.189	1.101
LTE Band 14_Ant 1	0.407	0.270	1.210	1.206	1.168	1.163	1.031	1.199	1.207	1.053	1.213	1.085	1.210	1.157	1.207	1.119
LTE Band 25_Ant 1	0.684	0.270	1.487	1.483	1.445	1.440	1.308	1.476	1.484	1.330	1.490	1.362	1.487	1.434	1.484	1.396
LTE Band 26_Ant 1	0.478	0.270	1.281	1.277	1.239	1.234	1.102	1.270	1.278	1.124	1.284	1.156	1.281	1.228	1.278	1.190
LTE Band 66_Ant 1	0.844	0.270	1.647	1.643	1.605	1.600	1.468	1.636	1.644	1.490	1.650	1.522	1.647	1.594	1.644	1.556
LTE Band 71_Ant 1	0.304	0.270	1.107	1.103	1.065	1.060	0.928	1.096	1.104	0.950	1.110	0.982	1.107	1.054	1.104	1.016
FR1 n12_Ant 1	0.228	0.270	1.031	1.027	0.989	0.984	0.852	1.020	1.028	0.874	1.034	0.906	1.031	0.978	1.028	0.940
FR1 n14_Ant 1	0.380	0.270	1.183	1.179	1.141	1.136	1.004	1.172	1.180	1.026	1.186	1.058	1.183	1.130	1.180	1.092
FR1 n25_Ant 1	0.836	0.270	1.639	1.635	1.597	1.592	1.460	1.628	1.636	1.482	1.642	1.514	1.639	1.586	1.636	1.548
FR1 n26_Ant 1	0.435	0.270	1.238	1.234	1.196	1.191	1.059	1.227	1.235	1.081	1.241	1.113	1.238	1.185	1.235	1.147
FR1 n41_Ant 1	0.694	0.270	1.497	1.493	1.455	1.450	1.318	1.486	1.494	1.340	1.500	1.372	1.497	1.444	1.494	1.406
FR1 n48_Ant 1	0.461	0.270	1.264	1.260	1.222	1.217	1.085	1.253	1.261	1.107	1.267	1.139	1.264	1.211	1.261	1.173
FR1 n66_Ant 1	0.628	0.270	1.431	1.427	1.389	1.384	1.252	1.420	1.428	1.274	1.434	1.306	1.431	1.378	1.428	1.340
FR1 n71_Ant 1	0.350	0.270	1.153	1.149	1.111	1.106	0.974	1.142	1.150	0.996	1.156	1.028	1.153	1.100	1.150	1.062
FR1 n77_Ant 1	0.400	0.270	1.203	1.199	1.161	1.156	1.024	1.192	1.200	1.046	1.206	1.078	1.203	1.150	1.200	1.112

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-59.0	-46.5	-207.0	79.0	1.65	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4	1.114	-60.5	32.5	-207.0				



<Case 39>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.362	1.397	1.393	1.355	1.350	1.218	1.386	1.394	1.240	1.400	1.272	1.397	1.344	1.394	1.306
WCDMA V_Ant 1	0.463	0.362	1.358	1.354	1.316	1.311	1.179	1.347	1.355	1.201	1.361	1.233	1.358	1.305	1.355	1.267
LTE Band 12_Ant 1	0.324	0.362	1.219	1.215	1.177	1.172	1.040	1.208	1.216	1.062	1.222	1.094	1.219	1.166	1.216	1.128
LTE Band 13_Ant 1	0.389	0.362	1.284	1.280	1.242	1.237	1.105	1.273	1.281	1.127	1.287	1.159	1.284	1.231	1.281	1.193
LTE Band 14_Ant 1	0.407	0.362	1.302	1.298	1.260	1.255	1.123	1.291	1.299	1.145	1.305	1.177	1.302	1.249	1.299	1.211
LTE Band 25_Ant 1	0.684	0.362	1.579	1.575	1.537	1.532	1.400	1.568	1.576	1.422	1.582	1.454	1.579	1.526	1.576	1.488
LTE Band 26_Ant 1	0.478	0.362	1.373	1.369	1.331	1.326	1.194	1.362	1.370	1.216	1.376	1.248	1.373	1.320	1.370	1.282
LTE Band 66_Ant 1	0.844	0.362	1.739	1.735	1.697	1.692	1.560	1.728	1.736	1.582	1.742	1.614	1.739	1.686	1.736	1.648
LTE Band 71_Ant 1	0.304	0.362	1.199	1.195	1.157	1.152	1.020	1.188	1.196	1.042	1.202	1.074	1.199	1.146	1.196	1.108
FR1 n12_Ant 1	0.228	0.362	1.123	1.119	1.081	1.076	0.944	1.112	1.120	0.966	1.126	0.998	1.123	1.070	1.120	1.032
FR1 n14_Ant 1	0.380	0.362	1.275	1.271	1.233	1.228	1.096	1.264	1.272	1.118	1.278	1.150	1.275	1.222	1.272	1.184
FR1 n25_Ant 1	0.836	0.362	1.731	1.727	1.689	1.684	1.552	1.720	1.728	1.574	1.734	1.606	1.731	1.678	1.728	1.640
FR1 n26_Ant 1	0.435	0.362	1.330	1.326	1.288	1.283	1.151	1.319	1.327	1.173	1.333	1.205	1.330	1.277	1.327	1.239
FR1 n41_Ant 1	0.694	0.362	1.589	1.585	1.547	1.542	1.410	1.578	1.586	1.432	1.592	1.464	1.589	1.536	1.586	1.498
FR1 n48_Ant 1	0.461	0.362	1.356	1.352	1.314	1.309	1.177	1.345	1.353	1.199	1.359	1.231	1.356	1.303	1.353	1.265
FR1 n66_Ant 1	0.628	0.362	1.523	1.519	1.481	1.476	1.344	1.512	1.520	1.366	1.526	1.398	1.523	1.470	1.520	1.432
FR1 n71_Ant 1	0.350	0.362	1.245	1.241	1.203	1.198	1.066	1.234	1.242	1.088	1.248	1.120	1.245	1.192	1.242	1.154
FR1 n77_Ant 1	0.400	0.362	1.295	1.291	1.253	1.248	1.116	1.284	1.292	1.138	1.298	1.170	1.295	1.242	1.292	1.204

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	72.0	1.74	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	-58.0	26.5	-207.0				



<Case 40>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.392	1.427	1.423	1.385	1.380	1.248	1.416	1.424	1.270	1.430	1.302	1.427	1.374	1.424	1.336
WCDMA V_Ant 1	0.463	0.392	1.388	1.384	1.346	1.341	1.209	1.377	1.385	1.231	1.391	1.263	1.388	1.335	1.385	1.297
LTE Band 12_Ant 1	0.324	0.392	1.249	1.245	1.207	1.202	1.070	1.238	1.246	1.092	1.252	1.124	1.249	1.196	1.246	1.158
LTE Band 13_Ant 1	0.389	0.392	1.314	1.310	1.272	1.267	1.135	1.303	1.311	1.157	1.317	1.189	1.314	1.261	1.311	1.223
LTE Band 14_Ant 1	0.407	0.392	1.332	1.328	1.290	1.285	1.153	1.321	1.329	1.175	1.335	1.207	1.332	1.279	1.329	1.241
LTE Band 25_Ant 1	0.684	0.392	1.609	1.605	1.567	1.562	1.430	1.598	1.606	1.452	1.612	1.484	1.609	1.556	1.606	1.518
LTE Band 26_Ant 1	0.478	0.392	1.403	1.399	1.361	1.356	1.224	1.392	1.400	1.246	1.406	1.278	1.403	1.350	1.400	1.312
LTE Band 66_Ant 1	0.844	0.392	1.769	1.765	1.727	1.722	1.590	1.758	1.766	1.612	1.772	1.644	1.769	1.716	1.766	1.678
LTE Band 71_Ant 1	0.304	0.392	1.229	1.225	1.187	1.182	1.050	1.218	1.226	1.072	1.232	1.104	1.229	1.176	1.226	1.138
FR1 n12_Ant 1	0.228	0.392	1.153	1.149	1.111	1.106	0.974	1.142	1.150	0.996	1.156	1.028	1.153	1.100	1.150	1.062
FR1 n14_Ant 1	0.380	0.392	1.305	1.301	1.263	1.258	1.126	1.294	1.302	1.148	1.308	1.180	1.305	1.252	1.302	1.214
FR1 n25_Ant 1	0.836	0.392	1.761	1.757	1.719	1.714	1.582	1.750	1.758	1.604	1.764	1.636	1.761	1.708	1.758	1.670
FR1 n26_Ant 1	0.435	0.392	1.360	1.356	1.318	1.313	1.181	1.349	1.357	1.203	1.363	1.235	1.360	1.307	1.357	1.269
FR1 n41_Ant 1	0.694	0.392	1.619	1.615	1.577	1.572	1.440	1.608	1.616	1.462	1.622	1.494	1.619	1.566	1.616	1.528
FR1 n48_Ant 1	0.461	0.392	1.386	1.382	1.344	1.339	1.207	1.375	1.383	1.229	1.389	1.261	1.386	1.333	1.383	1.295
FR1 n66_Ant 1	0.628	0.392	1.553	1.549	1.511	1.506	1.374	1.542	1.550	1.396	1.556	1.428	1.553	1.500	1.550	1.462
FR1 n71_Ant 1	0.350	0.392	1.275	1.271	1.233	1.228	1.096	1.264	1.272	1.118	1.278	1.150	1.275	1.222	1.272	1.184
FR1 n77_Ant 1	0.400	0.392	1.325	1.321	1.283	1.278	1.146	1.314	1.322	1.168	1.328	1.200	1.325	1.272	1.322	1.234

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-56.0	-47.5	-207.0	130.8	1.77	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	8.6	66.2	-207.0				



<Case 41>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.351	1.367	1.221	1.346
WCDMA V_Ant 1	0.463	0.351	1.328	1.182	1.307
LTE Band 12_Ant 1	0.324	0.351	1.189	1.043	1.168
LTE Band 13_Ant 1	0.389	0.351	1.254	1.108	1.233
LTE Band 14_Ant 1	0.407	0.351	1.272	1.126	1.251
LTE Band 25_Ant 1	0.684	0.351	1.549	1.403	1.528
LTE Band 26_Ant 1	0.478	0.351	1.343	1.197	1.322
LTE Band 66_Ant 1	0.844	0.351	1.709	1.563	1.688
LTE Band 71_Ant 1	0.304	0.351	1.169	1.023	1.148
FR1 n12_Ant 1	0.228	0.351	1.093	0.947	1.072
FR1 n14_Ant 1	0.380	0.351	1.245	1.099	1.224
FR1 n25_Ant 1	0.836	0.351	1.701	1.555	1.680
FR1 n26_Ant 1	0.435	0.351	1.300	1.154	1.279
FR1 n41_Ant 1	0.694	0.351	1.559	1.413	1.538
FR1 n48_Ant 1	0.461	0.351	1.326	1.180	1.305
FR1 n66_Ant 1	0.628	0.351	1.493	1.347	1.472
FR1 n71_Ant 1	0.350	0.351	1.215	1.069	1.194
FR1 n77_Ant 1	0.400	0.351	1.265	1.119	1.244

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.6	1.71	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 42>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.270	1.286	1.140	1.265
WCDMA V_Ant 1	0.463	0.270	1.247	1.101	1.226
LTE Band 12_Ant 1	0.324	0.270	1.108	0.962	1.087
LTE Band 13_Ant 1	0.389	0.270	1.173	1.027	1.152
LTE Band 14_Ant 1	0.407	0.270	1.191	1.045	1.170
LTE Band 25_Ant 1	0.684	0.270	1.468	1.322	1.447
LTE Band 26_Ant 1	0.478	0.270	1.262	1.116	1.241
LTE Band 66_Ant 1	0.844	0.270	1.628	1.482	1.607
LTE Band 71_Ant 1	0.304	0.270	1.088	0.942	1.067
FR1 n12_Ant 1	0.228	0.270	1.012	0.866	0.991
FR1 n14_Ant 1	0.380	0.270	1.164	1.018	1.143
FR1 n25_Ant 1	0.836	0.270	1.620	1.474	1.599
FR1 n26_Ant 1	0.435	0.270	1.219	1.073	1.198
FR1 n41_Ant 1	0.694	0.270	1.478	1.332	1.457
FR1 n48_Ant 1	0.461	0.270	1.245	1.099	1.224
FR1 n66_Ant 1	0.628	0.270	1.412	1.266	1.391
FR1 n71_Ant 1	0.350	0.270	1.134	0.988	1.113
FR1 n77_Ant 1	0.400	0.270	1.184	1.038	1.163

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	107.1	1.63	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4	1.114	-60.5	32.5	-207.0				



<Case 43>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.362	1.378	1.232	1.357
WCDMA V_Ant 1	0.463	0.362	1.339	1.193	1.318
LTE Band 12_Ant 1	0.324	0.362	1.200	1.054	1.179
LTE Band 13_Ant 1	0.389	0.362	1.265	1.119	1.244
LTE Band 14_Ant 1	0.407	0.362	1.283	1.137	1.262
LTE Band 25_Ant 1	0.684	0.362	1.560	1.414	1.539
LTE Band 26_Ant 1	0.478	0.362	1.354	1.208	1.333
LTE Band 66_Ant 1	0.844	0.362	1.720	1.574	1.699
LTE Band 71_Ant 1	0.304	0.362	1.180	1.034	1.159
FR1 n12_Ant 1	0.228	0.362	1.104	0.958	1.083
FR1 n14_Ant 1	0.380	0.362	1.256	1.110	1.235
FR1 n25_Ant 1	0.836	0.362	1.712	1.566	1.691
FR1 n26_Ant 1	0.435	0.362	1.311	1.165	1.290
FR1 n41_Ant 1	0.694	0.362	1.570	1.424	1.549
FR1 n48_Ant 1	0.461	0.362	1.337	1.191	1.316
FR1 n66_Ant 1	0.628	0.362	1.504	1.358	1.483
FR1 n71_Ant 1	0.350	0.362	1.226	1.080	1.205
FR1 n77_Ant 1	0.400	0.362	1.276	1.130	1.255

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.8	1.72	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	14.0	27.5	-207.0				



<Case 44>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.392	1.408	1.262	1.387
WCDMA V_Ant 1	0.463	0.392	1.369	1.223	1.348
LTE Band 12_Ant 1	0.324	0.392	1.230	1.084	1.209
LTE Band 13_Ant 1	0.389	0.392	1.295	1.149	1.274
LTE Band 14_Ant 1	0.407	0.392	1.313	1.167	1.292
LTE Band 25_Ant 1	0.684	0.392	1.590	1.444	1.569
LTE Band 26_Ant 1	0.478	0.392	1.384	1.238	1.363
LTE Band 66_Ant 1	0.844	0.392	1.750	1.604	1.729
LTE Band 71_Ant 1	0.304	0.392	1.210	1.064	1.189
FR1 n12_Ant 1	0.228	0.392	1.134	0.988	1.113
FR1 n14_Ant 1	0.380	0.392	1.286	1.140	1.265
FR1 n25_Ant 1	0.836	0.392	1.742	1.596	1.721
FR1 n26_Ant 1	0.435	0.392	1.341	1.195	1.320
FR1 n41_Ant 1	0.694	0.392	1.600	1.454	1.579
FR1 n48_Ant 1	0.461	0.392	1.367	1.221	1.346
FR1 n66_Ant 1	0.628	0.392	1.534	1.388	1.513
FR1 n71_Ant 1	0.350	0.392	1.256	1.110	1.235
FR1 n77_Ant 1	0.400	0.392	1.306	1.160	1.285

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	117.6	1.75	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	14.0	62.5	-207.0				



<Case 45>

SAR summation (blue colored) for each band of antenna 1,3,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.322	0.316	0.459
GSM850_Ant 1	0.502	0.351	1.175	1.169	1.312
WCDMA V_Ant 1	0.463	0.351	1.136	1.130	1.273
LTE Band 12_Ant 1	0.324	0.351	0.997	0.991	1.134
LTE Band 13_Ant 1	0.389	0.351	1.062	1.056	1.199
LTE Band 14_Ant 1	0.407	0.351	1.080	1.074	1.217
LTE Band 25_Ant 1	0.684	0.351	1.357	1.351	1.494
LTE Band 26_Ant 1	0.478	0.351	1.151	1.145	1.288
LTE Band 66_Ant 1	0.844	0.351	1.517	1.511	1.654
LTE Band 71_Ant 1	0.304	0.351	0.977	0.971	1.114
FR1 n12_Ant 1	0.228	0.351	0.901	0.895	1.038
FR1 n14_Ant 1	0.380	0.351	1.053	1.047	1.190
FR1 n25_Ant 1	0.836	0.351	1.509	1.503	1.646
FR1 n26_Ant 1	0.435	0.351	1.108	1.102	1.245
FR1 n41_Ant 1	0.694	0.351	1.367	1.361	1.504
FR1 n48_Ant 1	0.461	0.351	1.134	1.128	1.271
FR1 n66_Ant 1	0.628	0.351	1.301	1.295	1.438
FR1 n71_Ant 1	0.350	0.351	1.023	1.017	1.160
FR1 n77_Ant 1	0.539	0.351	1.212	1.206	1.349

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	99.9	1.65	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 46>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.322	0.316	0.459
GSM850_Ant 1	0.502	0.362	1.186	1.180	1.323
WCDMA V_Ant 1	0.463	0.362	1.147	1.141	1.284
LTE Band 12_Ant 1	0.324	0.362	1.008	1.002	1.145
LTE Band 13_Ant 1	0.389	0.362	1.073	1.067	1.210
LTE Band 14_Ant 1	0.407	0.362	1.091	1.085	1.228
LTE Band 25_Ant 1	0.684	0.362	1.368	1.362	1.505
LTE Band 26_Ant 1	0.478	0.362	1.162	1.156	1.299
LTE Band 66_Ant 1	0.844	0.362	1.528	1.522	1.665
LTE Band 71_Ant 1	0.304	0.362	0.988	0.982	1.125
FR1 n12_Ant 1	0.228	0.362	0.912	0.906	1.049
FR1 n14_Ant 1	0.380	0.362	1.064	1.058	1.201
FR1 n25_Ant 1	0.836	0.362	1.520	1.514	1.657
FR1 n26_Ant 1	0.435	0.362	1.119	1.113	1.256
FR1 n41_Ant 1	0.694	0.362	1.378	1.372	1.515
FR1 n48_Ant 1	0.461	0.362	1.145	1.139	1.282
FR1 n66_Ant 1	0.628	0.362	1.312	1.306	1.449
FR1 n71_Ant 1	0.350	0.362	1.034	1.028	1.171
FR1 n77_Ant 1	0.539	0.362	1.223	1.217	1.360

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	65.3	1.67	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	-58.0	26.5	-207.0				



<Case 47>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.322	0.316	0.459
GSM850_Ant 1	0.502	0.392	1.216	1.210	1.353
WCDMA V_Ant 1	0.463	0.392	1.177	1.171	1.314
LTE Band 12_Ant 1	0.324	0.392	1.038	1.032	1.175
LTE Band 13_Ant 1	0.389	0.392	1.103	1.097	1.240
LTE Band 14_Ant 1	0.407	0.392	1.121	1.115	1.258
LTE Band 25_Ant 1	0.684	0.392	1.398	1.392	1.535
LTE Band 26_Ant 1	0.478	0.392	1.192	1.186	1.329
LTE Band 66_Ant 1	0.844	0.392	1.558	1.552	1.695
LTE Band 71_Ant 1	0.304	0.392	1.018	1.012	1.155
FR1 n12_Ant 1	0.228	0.392	0.942	0.936	1.079
FR1 n14_Ant 1	0.380	0.392	1.094	1.088	1.231
FR1 n25_Ant 1	0.836	0.392	1.550	1.544	1.687
FR1 n26_Ant 1	0.435	0.392	1.149	1.143	1.286
FR1 n41_Ant 1	0.694	0.392	1.408	1.402	1.545
FR1 n48_Ant 1	0.461	0.392	1.175	1.169	1.312
FR1 n66_Ant 1	0.628	0.392	1.342	1.336	1.479
FR1 n71_Ant 1	0.350	0.392	1.064	1.058	1.201
FR1 n77_Ant 1	0.539	0.392	1.253	1.247	1.390

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	126.4	1.70	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	-20.6	80.2	-207.0				



<Case 48>

SAR summation (blue colored) for each band of antenna 2,3,5

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	LTE Band 25 Ant 5	LTE Band 66 Ant 5	FR1 n25 Ant 5	FR1 n41 Ant 5	FR1 n48 Ant 5	FR1 n66 Ant 5	FR1 n77 Ant 5
Right Side	1g SAR (W/kg)		0.511	0.768	0.654	0.746	0.450	0.779	0.451
GSM1900_Ant 2	0.704	0.009	1.224	1.481	1.367	1.459	1.163	1.492	1.164
WCDMA II_Ant 2	0.615	0.009	1.135	1.392	1.278	1.370	1.074	1.403	1.075
WCDMA IV_Ant 2	0.563	0.009	1.083	1.340	1.226	1.318	1.022	1.351	1.023
LTE Band 7_Ant 2	0.740	0.009	1.260	1.517	1.403	1.495	1.199	1.528	1.200
LTE Band 25_Ant 2	0.542	0.009	1.062	1.319	1.205	1.297	1.001	1.330	1.002
LTE Band 30_Ant 2	0.621	0.009	1.141	1.398	1.284	1.376	1.080	1.409	1.081
LTE Band 41_Ant 2	0.761	0.009	1.281	1.538	1.424	1.516	1.220	1.549	1.221
LTE Band 66_Ant 2	0.391	0.009	0.911	1.168	1.054	1.146	0.850	1.179	0.851
FR1 n7_Ant 2	0.850	0.009	1.370	1.627	1.513	1.605	1.309	1.638	1.310
FR1 n25_Ant 2	0.499	0.009	1.019	1.276	1.162	1.254	0.958	1.287	0.959
FR1 n30_Ant 2	0.601	0.009	1.121	1.378	1.264	1.356	1.060	1.389	1.061
FR1 n41_Ant 2	0.624	0.009	1.144	1.401	1.287	1.379	1.083	1.412	1.084
FR1 n66_Ant 2	0.495	0.009	1.015	1.272	1.158	1.250	0.954	1.283	0.955
FR1 n70_Ant 2	0.414	0.009	0.934	1.191	1.077	1.169	0.873	1.202	0.874

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 5	0.779	-28.4	-32.4	-207.0	87.4	1.64	0.02	Not required
Max WWAN Ant 2+ WLAN2.4GHz Ant 3	0.859	-26.8	55.0	-207.0				



<Case 49>

SAR summation (blue colored) for each band of antenna 2,4,5

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)		0.704	0.615	0.563	0.740	0.542	0.621	0.761	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.320	1.535	1.446	1.394	1.571	1.373	1.452	1.592	1.222	1.681	1.330	1.432	1.455	1.326	1.245
LTE Band 66_Ant 5	0.768	0.320	1.792	1.703	1.651	1.828	1.630	1.709	1.849	1.479	1.938	1.587	1.689	1.712	1.583	1.502
FR1 n25_Ant 5	0.654	0.320	1.678	1.589	1.537	1.714	1.516	1.595	1.735	1.365	1.824	1.473	1.575	1.598	1.469	1.388
FR1 n41_Ant 5	0.746	0.320	1.770	1.681	1.629	1.806	1.608	1.687	1.827	1.457	1.916	1.565	1.667	1.690	1.561	1.480
FR1 n48_Ant 5	0.450	0.320	1.474	1.385	1.333	1.510	1.312	1.391	1.531	1.161	1.620	1.269	1.371	1.394	1.265	1.184
FR1 n66_Ant 5	0.779	0.320	1.803	1.714	1.662	1.839	1.641	1.720	1.860	1.490	1.949	1.598	1.700	1.723	1.594	1.513
FR1 n77_Ant 5	0.451	0.320	1.475	1.386	1.334	1.511	1.313	1.392	1.532	1.162	1.621	1.270	1.372	1.395	1.266	1.185

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-25.6	47.6	-207.0	80.0	1.95	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4	1.099	-28.4	-32.4	-207.0				

<Case 50>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)		0.704	0.615	0.563	0.740	0.542	0.621	0.761	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.372	1.587	1.498	1.446	1.623	1.425	1.504	1.644	1.274	1.733	1.382	1.484	1.507	1.378	1.297
LTE Band 66_Ant 5	0.768	0.372	1.844	1.755	1.703	1.880	1.682	1.761	1.901	1.531	1.990	1.639	1.741	1.764	1.635	1.554
FR1 n25_Ant 5	0.654	0.372	1.730	1.641	1.589	1.766	1.568	1.647	1.787	1.417	1.876	1.525	1.627	1.650	1.521	1.440
FR1 n41_Ant 5	0.746	0.372	1.822	1.733	1.681	1.858	1.660	1.739	1.879	1.509	1.968	1.617	1.719	1.742	1.613	1.532
FR1 n48_Ant 5	0.450	0.372	1.526	1.437	1.385	1.562	1.364	1.443	1.583	1.213	1.672	1.321	1.423	1.446	1.317	1.236
FR1 n66_Ant 5	0.779	0.372	1.855	1.766	1.714	1.891	1.693	1.772	1.912	1.542	2.001	1.650	1.752	1.775	1.646	1.565
FR1 n77_Ant 5	0.451	0.372	1.527	1.438	1.386	1.563	1.365	1.444	1.584	1.214	1.673	1.322	1.424	1.447	1.318	1.237

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-25.6	47.6	-207.0	80.0	2.00	0.04	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3	1.151	-28.4	-32.4	-207.0				

<Case 51>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)		0.704	0.615	0.563	0.740	0.542	0.621	0.761	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.091	1.306	1.217	1.165	1.342	1.144	1.223	1.363	0.993	1.452	1.101	1.203	1.226	1.097	1.016
LTE Band 66_Ant 5	0.768	0.091	1.563	1.474	1.422	1.599	1.401	1.480	1.620	1.250	1.709	1.358	1.460	1.483	1.354	1.273
FR1 n25_Ant 5	0.654	0.091	1.449	1.360	1.308	1.485	1.287	1.366	1.506	1.136	1.595	1.244	1.346	1.369	1.240	1.159
FR1 n41_Ant 5	0.746	0.091	1.541	1.452	1.400	1.577	1.379	1.458	1.598	1.228	1.687	1.336	1.438	1.461	1.332	1.251
FR1 n48_Ant 5	0.450	0.091	1.245	1.156	1.104	1.281	1.083	1.162	1.302	0.932	1.391	1.040	1.142	1.165	1.036	0.955
FR1 n66_Ant 5	0.779	0.091	1.574	1.485	1.433	1.610	1.412	1.491	1.631	1.261	1.720	1.369	1.471	1.494	1.365	1.284
FR1 n77_Ant 5	0.451	0.091	1.246	1.157	1.105	1.282	1.084	1.163	1.303	0.933	1.392	1.041	1.143	1.166	1.037	0.956

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-26.8	55.0	-207.0	87.4	1.72	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3	0.870	-28.4	-32.4	-207.0				

<Case 52>

SAR summation (blue colored) for each band of antenna 4,5,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Right Side	1g SAR (W/kg)		0.553	0.671	0.526
LTE Band 25_Ant 5	0.511	0.320	1.384	1.502	1.357
LTE Band 66_Ant 5	0.768	0.320	1.641	1.759	1.614
FR1 n25_Ant 5	0.654	0.320	1.527	1.645	1.500
FR1 n41_Ant 5	0.746	0.320	1.619	1.737	1.592
FR1 n48_Ant 5	0.450	0.320	1.323	1.441	1.296
FR1 n66_Ant 5	0.779	0.320	1.652	1.770	1.625
FR1 n77_Ant 5	0.451	0.320	1.324	1.442	1.297

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.671	-25.0	46.5	-207.0	79.0	1.77	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4	1.099	-28.4	-32.4	-207.0				

<Case 53>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Right Side	1g SAR (W/kg)		0.553	0.671	0.526
LTE Band 25_Ant 5	0.511	0.372	1.436	1.554	1.409
LTE Band 66_Ant 5	0.768	0.372	1.693	1.811	1.666
FR1 n25_Ant 5	0.654	0.372	1.579	1.697	1.552
FR1 n41_Ant 5	0.746	0.372	1.671	1.789	1.644
FR1 n48_Ant 5	0.450	0.372	1.375	1.493	1.348
FR1 n66_Ant 5	0.779	0.372	1.704	1.822	1.677
FR1 n77_Ant 5	0.451	0.372	1.376	1.494	1.349

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.671	-25.0	46.5	-207.0	79.0	1.82	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3	1.151	-28.4	-32.4	-207.0				



<Case 54>

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+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.180	0.130	1.409	1.191	1.300	1.447	1.476	1.197	1.269	1.358	1.432	1.263	1.562	1.438	1.245	1.408	1.287	1.208	1.156	1.373	1.312	1.544	1.317	1.267	1.437	1.366	1.252
WCDMA V_Ant 1	0.463	0.180	0.130	1.370	1.152	1.261	1.408	1.437	1.158	1.230	1.319	1.393	1.224	1.523	1.399	1.206	1.369	1.248	1.169	1.117	1.334	1.273	1.505	1.278	1.228	1.398	1.327	1.213
LTE Band 12_Ant 1	0.324	0.180	0.130	1.231	1.013	1.122	1.269	1.298	1.019	1.091	1.180	1.254	1.085	1.384	1.260	1.067	1.230	1.109	1.030	0.978	1.195	1.134	1.366	1.139	1.089	1.259	1.188	1.074
LTE Band 13_Ant 1	0.389	0.180	0.130	1.296	1.078	1.187	1.334	1.363	1.084	1.156	1.245	1.319	1.150	1.449	1.325	1.132	1.295	1.174	1.095	1.043	1.260	1.199	1.431	1.204	1.154	1.324	1.253	1.139
LTE Band 14_Ant 1	0.407	0.180	0.130	1.314	1.096	1.205	1.352	1.381	1.102	1.174	1.263	1.337	1.168	1.467	1.343	1.150	1.313	1.192	1.113	1.061	1.278	1.217	1.449	1.222	1.172	1.342	1.271	1.157
LTE Band 25_Ant 1	0.684	0.180	0.130	1.591	1.373	1.482	1.629	1.658	1.379	1.451	1.540	1.614	1.445	1.744	1.620	1.427	1.590	1.469	1.390	1.338	1.555	1.494	1.726	1.499	1.449	1.619	1.548	1.434
LTE Band 26_Ant 1	0.478	0.180	0.130	1.385	1.167	1.276	1.423	1.452	1.173	1.245	1.334	1.408	1.239	1.538	1.414	1.221	1.384	1.263	1.184	1.132	1.349	1.288	1.520	1.293	1.243	1.413	1.342	1.228
LTE Band 66_Ant 1	0.844	0.180	0.130	1.751	1.533	1.642	1.789	1.818	1.539	1.611	1.700	1.774	1.605	1.904	1.780	1.587	1.750	1.629	1.550	1.498	1.715	1.654	1.886	1.659	1.609	1.779	1.708	1.594
LTE Band 71_Ant 1	0.304	0.180	0.130	1.211	0.993	1.102	1.249	1.278	0.999	1.071	1.160	1.234	1.065	1.364	1.240	1.047	1.210	1.089	1.010	0.958	1.175	1.114	1.346	1.119	1.069	1.239	1.168	1.054
FR1 n12_Ant 1	0.228	0.180	0.130	1.135	0.917	1.026	1.173	1.202	0.923	0.995	1.084	1.158	0.989	1.288	1.164	0.971	1.134	1.013	0.934	0.882	1.099	1.038	1.270	1.043	0.993	1.163	1.092	0.978
FR1 n14_Ant 1	0.380	0.180	0.130	1.287	1.069	1.178	1.325	1.354	1.075	1.147	1.236	1.310	1.141	1.440	1.316	1.123	1.286	1.165	1.086	1.034	1.251	1.190	1.422	1.195	1.145	1.315	1.244	1.130
FR1 n25_Ant 1	0.836	0.180	0.130	1.743	1.525	1.634	1.781	1.810	1.531	1.603	1.692	1.766	1.597	1.896	1.772	1.579	1.742	1.621	1.542	1.490	1.707	1.646	1.878	1.651	1.601	1.771	1.700	1.586
FR1 n26_Ant 1	0.435	0.180	0.130	1.342	1.124	1.233	1.380	1.409	1.130	1.202	1.291	1.365	1.196	1.495	1.371	1.178	1.341	1.220	1.141	1.089	1.306	1.245	1.477	1.250	1.200	1.370	1.299	1.185
FR1 n41_Ant 1	0.694	0.180	0.130	1.601	1.383	1.492	1.639	1.668	1.389	1.461	1.550	1.624	1.455	1.754	1.630	1.437	1.600	1.479	1.400	1.348	1.565	1.504	1.736	1.509	1.459	1.629	1.558	1.444
FR1 n48_Ant 1	0.461	0.180	0.130	1.368	1.150	1.259	1.406	1.435	1.156	1.228	1.317	1.391	1.222	1.521	1.397	1.204	1.367	1.246	1.167	1.115	1.332	1.271	1.503	1.276	1.226	1.396	1.325	1.211
FR1 n66_Ant 1	0.628	0.180	0.130	1.535	1.317	1.426	1.573	1.602	1.323	1.395	1.484	1.558	1.389	1.688	1.564	1.371	1.534	1.413	1.334	1.282	1.499	1.438	1.670	1.443	1.393	1.563	1.492	1.378
FR1 n71_Ant 1	0.350	0.180	0.130	1.257	1.039	1.148	1.295	1.324	1.045	1.117	1.206	1.280	1.111	1.410	1.286	1.093	1.256	1.135	1.056	1.004	1.221	1.160	1.392	1.165	1.115	1.285	1.214	1.100
FR1 n77_Ant 1	0.400	0.180	0.130	1.307	1.089	1.198	1.345	1.374	1.095	1.167	1.256	1.330	1.161	1.460	1.336	1.143	1.306	1.185	1.106	1.054	1.271	1.210	1.442	1.215	1.165	1.335	1.264	1.150

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-4.4	-71.4	-207.0	101.1	1.90	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.154	14.0	28.0	-207.0				



<Case 55>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant.4	WLAN 5/6GHz Ant.4+3	GSM 850 Ant.0	GSM 1900 Ant.0	WCDMA II Ant.0	WCDMA IV Ant.0	WCDMA V Ant.0	LTE Band 7 Ant.0	LTE Band 12 Ant.0	LTE Band 13 Ant.0	LTE Band 14 Ant.0	LTE Band 25 Ant.0	LTE Band 26 Ant.0	LTE Band 30 Ant.0	LTE Band 41 Ant.0	LTE Band 66 Ant.0	LTE Band 71 Ant.0	FR1 n7 Ant.0	FR1 n12 Ant.0	FR1 n14 Ant.0	FR1 n25 Ant.0	FR1 n26 Ant.0	FR1 n30 Ant.0	FR1 n41 Ant.0	FR1 n66 Ant.0	FR1 n70 Ant.0	FR1 n71 Ant.0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.131	0.130	1.360	1.142	1.251	1.398	1.427	1.148	1.220	1.309	1.383	1.214	1.513	1.389	1.196	1.359	1.238	1.159	1.107	1.324	1.263	1.495	1.268	1.218	1.388	1.317	1.203
WCDMA V_Ant 1	0.463	0.131	0.130	1.321	1.103	1.212	1.359	1.388	1.109	1.181	1.270	1.344	1.175	1.474	1.350	1.157	1.320	1.199	1.120	1.068	1.285	1.224	1.456	1.229	1.179	1.349	1.278	1.164
LTE Band 12_Ant 1	0.324	0.131	0.130	1.182	0.964	1.073	1.220	1.249	0.970	1.042	1.131	1.205	1.036	1.335	1.211	1.018	1.181	1.060	0.981	0.929	1.146	1.085	1.317	1.090	1.040	1.210	1.139	1.025
LTE Band 13_Ant 1	0.389	0.131	0.130	1.247	1.029	1.138	1.285	1.314	1.035	1.107	1.196	1.270	1.101	1.400	1.276	1.083	1.246	1.125	1.046	0.994	1.211	1.150	1.382	1.155	1.105	1.275	1.204	1.090
LTE Band 14_Ant 1	0.407	0.131	0.130	1.265	1.047	1.156	1.303	1.332	1.053	1.125	1.214	1.288	1.119	1.418	1.294	1.101	1.264	1.143	1.064	1.012	1.229	1.168	1.400	1.173	1.123	1.293	1.222	1.108
LTE Band 25_Ant 1	0.684	0.131	0.130	1.542	1.324	1.433	1.580	1.609	1.330	1.402	1.491	1.565	1.396	1.695	1.571	1.378	1.541	1.420	1.341	1.289	1.506	1.445	1.677	1.450	1.400	1.570	1.499	1.385
LTE Band 26_Ant 1	0.478	0.131	0.130	1.336	1.118	1.227	1.374	1.403	1.124	1.196	1.285	1.359	1.190	1.489	1.365	1.172	1.335	1.214	1.135	1.083	1.300	1.239	1.471	1.244	1.194	1.364	1.293	1.179
LTE Band 66_Ant 1	0.844	0.131	0.130	1.702	1.484	1.593	1.740	1.769	1.490	1.562	1.651	1.725	1.556	1.855	1.731	1.538	1.701	1.580	1.501	1.449	1.666	1.605	1.837	1.610	1.560	1.730	1.659	1.545
LTE Band 71_Ant 1	0.304	0.131	0.130	1.162	0.944	1.053	1.200	1.229	0.950	1.022	1.111	1.185	1.016	1.315	1.191	0.998	1.161	1.040	0.961	0.909	1.126	1.065	1.297	1.070	1.020	1.190	1.119	1.005
FR1 n12_Ant 1	0.228	0.131	0.130	1.086	0.868	0.977	1.124	1.153	0.874	0.946	1.035	1.109	0.940	1.239	1.115	0.922	1.085	0.964	0.885	0.833	1.050	0.989	1.221	0.994	0.944	1.114	1.043	0.929
FR1 n14_Ant 1	0.380	0.131	0.130	1.238	1.020	1.129	1.276	1.305	1.026	1.098	1.187	1.261	1.092	1.391	1.267	1.074	1.237	1.116	1.037	0.985	1.202	1.141	1.373	1.146	1.096	1.266	1.195	1.081
FR1 n25_Ant 1	0.836	0.131	0.130	1.694	1.476	1.585	1.732	1.761	1.482	1.554	1.643	1.717	1.548	1.847	1.723	1.530	1.693	1.572	1.493	1.441	1.658	1.597	1.829	1.602	1.552	1.722	1.651	1.537
FR1 n26_Ant 1	0.435	0.131	0.130	1.293	1.075	1.184	1.331	1.360	1.081	1.153	1.242	1.316	1.147	1.446	1.322	1.129	1.292	1.171	1.092	1.040	1.257	1.196	1.428	1.201	1.151	1.321	1.250	1.136
FR1 n41_Ant 1	0.694	0.131	0.130	1.552	1.334	1.443	1.590	1.619	1.340	1.412	1.501	1.575	1.406	1.705	1.581	1.388	1.551	1.430	1.351	1.299	1.516	1.455	1.687	1.460	1.410	1.580	1.509	1.395
FR1 n48_Ant 1	0.461	0.131	0.130	1.319	1.101	1.210	1.357	1.386	1.107	1.179	1.268	1.342	1.173	1.472	1.348	1.155	1.318	1.197	1.118	1.066	1.283	1.222	1.454	1.227	1.177	1.347	1.276	1.162
FR1 n66_Ant 1	0.628	0.131	0.130	1.486	1.268	1.377	1.524	1.553	1.274	1.346	1.435	1.509	1.340	1.639	1.515	1.322	1.485	1.364	1.285	1.233	1.450	1.389	1.621	1.394	1.344	1.514	1.443	1.329
FR1 n71_Ant 1	0.350	0.131	0.130	1.208	0.990	1.099	1.246	1.275	0.996	1.068	1.157	1.231	1.062	1.361	1.237	1.044	1.207	1.086	1.007	0.955	1.172	1.111	1.343	1.116	1.066	1.236	1.165	1.051
FR1 n77_Ant 1	0.400	0.131	0.130	1.258	1.040	1.149	1.296	1.325	1.046	1.118	1.207	1.281	1.112	1.411	1.287	1.094	1.257	1.136	1.057	1.005	1.222	1.161	1.393	1.166	1.116	1.286	1.215	1.101

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-14.5	-71.5	-207.0	116.4	1.86	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.105	-61.5	35.0	-207.0				



<Case 56>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.182	0.130	1.411	1.193	1.302	1.449	1.478	1.199	1.271	1.360	1.434	1.265	1.564	1.440	1.247	1.410	1.289	1.210	1.158	1.375	1.314	1.546	1.319	1.269	1.439	1.368	1.254
WCDMA_V_Ant 1	0.463	0.182	0.130	1.372	1.154	1.263	1.410	1.439	1.160	1.232	1.321	1.395	1.226	1.525	1.401	1.208	1.371	1.250	1.171	1.119	1.336	1.275	1.507	1.280	1.230	1.400	1.329	1.215
LTE Band 12_Ant 1	0.324	0.182	0.130	1.233	1.015	1.124	1.271	1.300	1.021	1.093	1.182	1.256	1.087	1.386	1.262	1.069	1.232	1.111	1.032	0.980	1.197	1.136	1.368	1.141	1.091	1.261	1.190	1.076
LTE Band 13_Ant 1	0.389	0.182	0.130	1.298	1.080	1.189	1.336	1.365	1.086	1.158	1.247	1.321	1.152	1.451	1.327	1.134	1.297	1.176	1.097	1.045	1.262	1.201	1.433	1.206	1.156	1.326	1.255	1.141
LTE Band 14_Ant 1	0.407	0.182	0.130	1.316	1.098	1.207	1.354	1.383	1.104	1.176	1.265	1.339	1.170	1.469	1.345	1.152	1.315	1.194	1.115	1.063	1.280	1.219	1.451	1.224	1.174	1.344	1.273	1.159
LTE Band 25_Ant 1	0.684	0.182	0.130	1.593	1.375	1.484	1.631	1.660	1.381	1.453	1.542	1.616	1.447	1.746	1.622	1.429	1.592	1.471	1.392	1.340	1.557	1.496	1.728	1.501	1.451	1.621	1.550	1.436
LTE Band 26_Ant 1	0.478	0.182	0.130	1.387	1.169	1.278	1.425	1.454	1.175	1.247	1.336	1.410	1.241	1.540	1.416	1.223	1.386	1.265	1.186	1.134	1.351	1.290	1.522	1.295	1.245	1.415	1.344	1.230
LTE Band 66_Ant 1	0.844	0.182	0.130	1.753	1.535	1.644	1.791	1.820	1.541	1.613	1.702	1.776	1.607	1.906	1.782	1.589	1.752	1.631	1.552	1.500	1.717	1.656	1.888	1.661	1.611	1.781	1.710	1.596
LTE Band 71_Ant 1	0.304	0.182	0.130	1.213	0.995	1.104	1.251	1.280	1.001	1.073	1.162	1.236	1.067	1.366	1.242	1.049	1.212	1.091	1.012	0.960	1.177	1.116	1.348	1.121	1.071	1.241	1.170	1.056
FR1 n12_Ant 1	0.228	0.182	0.130	1.137	0.919	1.028	1.175	1.204	0.925	0.997	1.086	1.160	0.991	1.290	1.166	0.973	1.136	1.015	0.936	0.884	1.101	1.040	1.272	1.045	0.995	1.165	1.094	0.980
FR1 n14_Ant 1	0.380	0.182	0.130	1.289	1.071	1.180	1.327	1.356	1.077	1.149	1.238	1.312	1.143	1.442	1.318	1.125	1.288	1.167	1.088	1.036	1.253	1.192	1.424	1.197	1.147	1.317	1.246	1.132
FR1 n25_Ant 1	0.836	0.182	0.130	1.745	1.527	1.636	1.783	1.812	1.533	1.605	1.694	1.768	1.599	1.898	1.774	1.581	1.744	1.623	1.544	1.492	1.709	1.648	1.880	1.653	1.603	1.773	1.702	1.588
FR1 n26_Ant 1	0.435	0.182	0.130	1.344	1.126	1.235	1.382	1.411	1.132	1.204	1.293	1.367	1.198	1.497	1.373	1.180	1.343	1.222	1.143	1.091	1.308	1.247	1.479	1.252	1.202	1.372	1.301	1.187
FR1 n41_Ant 1	0.694	0.182	0.130	1.603	1.385	1.494	1.641	1.670	1.391	1.463	1.552	1.626	1.457	1.756	1.632	1.439	1.602	1.481	1.402	1.350	1.567	1.506	1.738	1.511	1.461	1.631	1.560	1.446
FR1 n48_Ant 1	0.461	0.182	0.130	1.370	1.152	1.261	1.408	1.437	1.158	1.230	1.319	1.393	1.224	1.523	1.399	1.206	1.369	1.248	1.169	1.117	1.334	1.273	1.505	1.278	1.228	1.398	1.327	1.213
FR1 n66_Ant 1	0.628	0.182	0.130	1.537	1.319	1.428	1.575	1.604	1.325	1.397	1.486	1.560	1.391	1.690	1.566	1.373	1.536	1.415	1.336	1.284	1.501	1.440	1.672	1.445	1.395	1.565	1.494	1.380
FR1 n71_Ant 1	0.350	0.182	0.130	1.259	1.041	1.150	1.297	1.326	1.047	1.119	1.208	1.282	1.113	1.412	1.288	1.095	1.258	1.137	1.058	1.006	1.223	1.162	1.394	1.167	1.117	1.267	1.216	1.102
FR1 n77_Ant 1	0.400	0.182	0.130	1.309	1.091	1.200	1.347	1.376	1.097	1.169	1.258	1.332	1.163	1.462	1.338	1.145	1.308	1.187	1.108	1.056	1.273	1.212	1.444	1.217	1.167	1.337	1.266	1.152

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-15.1	-70.4	-207.0	102.3	1.91	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.156	11.0	28.5	-207.0				



<Case 57>

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+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCD MA II Ant 0	WCD MA IV Ant 0	WCD MA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Side	1g SAR (W/kg)			0.385	0.089	0.108	0.156	0.487	0.063	0.534	0.715	0.607	0.101	0.566	0.092	0.051	0.139	0.482	0.053	0.559	0.449	0.110	0.477	0.093	0.051	0.130	0.130	0.480
GSM850_Ant 1	0.181	0.225	0.270	1.061	0.765	0.784	0.832	1.163	0.739	1.210	1.391	1.283	0.777	1.242	0.768	0.727	0.815	1.158	0.729	1.235	1.125	0.786	1.153	0.769	0.727	0.806	0.806	1.156
WCDMA V_Ant 1	0.138	0.225	0.270	1.018	0.722	0.741	0.789	1.120	0.696	1.167	1.348	1.240	0.734	1.199	0.725	0.684	0.772	1.115	0.686	1.192	1.082	0.743	1.110	0.726	0.684	0.763	0.763	1.113
LTE Band 12_Ant 1	0.350	0.225	0.270	1.230	0.934	0.953	1.001	1.332	0.908	1.379	1.560	1.452	0.946	1.411	0.937	0.896	0.984	1.327	0.898	1.404	1.294	0.955	1.322	0.938	0.896	0.975	0.975	1.325
LTE Band 13_Ant 1	0.270	0.225	0.270	1.150	0.854	0.873	0.921	1.252	0.828	1.299	1.480	1.372	0.866	1.331	0.857	0.816	0.904	1.247	0.818	1.324	1.214	0.875	1.242	0.858	0.816	0.895	0.895	1.245
LTE Band 14_Ant 1	0.176	0.225	0.270	1.056	0.760	0.779	0.827	1.158	0.734	1.205	1.386	1.278	0.772	1.237	0.763	0.722	0.810	1.153	0.724	1.230	1.120	0.781	1.148	0.764	0.722	0.801	0.801	1.151
LTE Band 25_Ant 1	0.351	0.225	0.270	1.231	0.935	0.954	1.002	1.333	0.909	1.380	1.561	1.453	0.947	1.412	0.938	0.897	0.985	1.328	0.899	1.405	1.295	0.956	1.323	0.939	0.897	0.976	0.976	1.326
LTE Band 26_Ant 1	0.173	0.225	0.270	1.053	0.757	0.776	0.824	1.155	0.731	1.202	1.383	1.275	0.769	1.234	0.760	0.719	0.807	1.150	0.721	1.227	1.117	0.778	1.145	0.761	0.719	0.798	0.798	1.148
LTE Band 66_Ant 1	0.127	0.225	0.270	1.007	0.711	0.730	0.778	1.109	0.685	1.156	1.337	1.229	0.723	1.188	0.714	0.673	0.761	1.104	0.675	1.181	1.071	0.732	1.099	0.715	0.673	0.752	0.752	1.102
LTE Band 71_Ant 1	0.303	0.225	0.270	1.183	0.887	0.906	0.954	1.285	0.861	1.332	1.513	1.405	0.899	1.364	0.890	0.849	0.937	1.280	0.851	1.357	1.247	0.908	1.275	0.891	0.849	0.928	0.928	1.278
FR1 n12_Ant 1	0.315	0.225	0.270	1.195	0.899	0.918	0.966	1.297	0.873	1.344	1.525	1.417	0.911	1.376	0.902	0.861	0.949	1.292	0.863	1.369	1.259	0.920	1.287	0.903	0.861	0.940	0.940	1.290
FR1 n14_Ant 1	0.168	0.225	0.270	1.048	0.752	0.771	0.819	1.150	0.726	1.197	1.378	1.270	0.764	1.229	0.755	0.714	0.802	1.145	0.716	1.222	1.112	0.773	1.140	0.756	0.714	0.793	0.793	1.143
FR1 n25_Ant 1	0.430	0.225	0.270	1.310	1.014	1.033	1.081	1.412	0.988	1.459	1.640	1.532	1.026	1.491	1.017	0.976	1.064	1.407	0.978	1.484	1.374	1.035	1.402	1.018	0.976	1.055	1.055	1.405
FR1 n26_Ant 1	0.162	0.225	0.270	1.042	0.746	0.765	0.813	1.144	0.720	1.191	1.372	1.264	0.758	1.223	0.749	0.708	0.796	1.139	0.710	1.216	1.106	0.767	1.134	0.750	0.708	0.787	0.787	1.137
FR1 n41_Ant 1	0.300	0.225	0.270	1.180	0.884	0.903	0.951	1.282	0.858	1.329	1.510	1.402	0.896	1.361	0.887	0.846	0.934	1.277	0.848	1.354	1.244	0.905	1.272	0.888	0.846	0.925	0.925	1.275
FR1 n48_Ant 1	0.210	0.225	0.270	1.090	0.794	0.813	0.861	1.192	0.768	1.239	1.420	1.312	0.806	1.271	0.797	0.756	0.844	1.187	0.758	1.264	1.154	0.815	1.182	0.798	0.756	0.835	0.835	1.185
FR1 n66_Ant 1	0.349	0.225	0.270	1.229	0.933	0.952	1.000	1.331	0.907	1.378	1.559	1.451	0.945	1.410	0.936	0.895	0.983	1.326	0.897	1.403	1.293	0.954	1.321	0.937	0.895	0.974	0.974	1.324
FR1 n71_Ant 1	0.321	0.225	0.270	1.201	0.905	0.924	0.972	1.303	0.879	1.350	1.531	1.423	0.917	1.382	0.908	0.867	0.955	1.298	0.869	1.375	1.265	0.926	1.293	0.909	0.867	0.946	0.946	1.296
FR1 n77_Ant 1	0.276	0.225	0.270	1.156	0.860	0.879	0.927	1.258	0.834	1.305	1.486	1.378	0.872	1.337	0.863	0.822	0.910	1.253	0.824	1.330	1.220	0.881	1.248	0.864	0.822	0.901	0.901	1.251

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1+WLAN5/6GHz Ant 4+3(3)	0.700	-24.8	62.2	-207.0	61.7	1.42	0.03	Not required
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0				
Max WWAN Ant 1+WLAN5/6GHz Ant 4+3(3)	0.700	-24.8	62.2	-207.0	37.2	0.93	0.02	Not required
WLAN2.4GHz Ant 4+3(3)	0.225	-25.0	25.0	-207.0				
WLAN2.4GHz Ant 4+3(3)	0.225	-25.0	25.0	-207.0	24.8	0.94	0.04	Not required
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0				



<Case 58>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Side	1g SAR (W/kg)			0.385	0.089	0.108	0.156	0.487	0.063	0.534	0.715	0.607	0.101	0.566	0.092	0.051	0.139	0.482	0.053	0.559	0.449	0.110	0.477	0.093	0.051	0.130	0.130	0.480
GSM850_Ant 1	0.181	0.215	0.270	1.051	0.755	0.774	0.822	1.153	0.729	1.200	1.381	1.273	0.767	1.232	0.758	0.717	0.805	1.148	0.719	1.225	1.115	0.776	1.143	0.759	0.717	0.796	0.796	1.146
WCDMA V_Ant 1	0.138	0.215	0.270	1.008	0.712	0.731	0.779	1.110	0.686	1.157	1.338	1.230	0.724	1.189	0.715	0.674	0.762	1.105	0.676	1.182	1.072	0.733	1.100	0.716	0.674	0.753	0.753	1.103
LTE Band 12_Ant 1	0.350	0.215	0.270	1.220	0.924	0.943	0.991	1.322	0.898	1.369	1.550	1.442	0.936	1.401	0.927	0.886	0.974	1.317	0.888	1.394	1.284	0.945	1.312	0.928	0.886	0.965	0.965	1.315
LTE Band 13_Ant 1	0.270	0.215	0.270	1.140	0.844	0.863	0.911	1.242	0.818	1.289	1.470	1.362	0.856	1.321	0.847	0.806	0.894	1.237	0.808	1.314	1.204	0.865	1.232	0.848	0.806	0.885	0.885	1.235
LTE Band 14_Ant 1	0.176	0.215	0.270	1.046	0.750	0.769	0.817	1.148	0.724	1.195	1.376	1.268	0.762	1.227	0.753	0.712	0.800	1.143	0.714	1.220	1.110	0.771	1.138	0.754	0.712	0.791	0.791	1.141
LTE Band 25_Ant 1	0.351	0.215	0.270	1.221	0.925	0.944	0.992	1.323	0.899	1.370	1.551	1.443	0.937	1.402	0.928	0.887	0.975	1.318	0.889	1.395	1.285	0.946	1.313	0.929	0.887	0.966	0.966	1.316
LTE Band 26_Ant 1	0.173	0.215	0.270	1.043	0.747	0.766	0.814	1.145	0.721	1.192	1.373	1.265	0.759	1.224	0.750	0.709	0.797	1.140	0.711	1.217	1.107	0.768	1.135	0.751	0.709	0.788	0.788	1.138
LTE Band 66_Ant 1	0.127	0.215	0.270	0.997	0.701	0.720	0.768	1.099	0.675	1.146	1.327	1.219	0.713	1.178	0.704	0.663	0.751	1.094	0.665	1.171	1.061	0.722	1.089	0.705	0.663	0.742	0.742	1.092
LTE Band 71_Ant 1	0.303	0.215	0.270	1.173	0.877	0.896	0.944	1.275	0.851	1.322	1.503	1.395	0.889	1.354	0.880	0.839	0.927	1.270	0.841	1.347	1.237	0.898	1.265	0.881	0.839	0.918	0.918	1.268
FR1 n12_Ant 1	0.315	0.215	0.270	1.185	0.889	0.908	0.956	1.287	0.863	1.334	1.515	1.407	0.901	1.366	0.892	0.851	0.939	1.282	0.853	1.359	1.249	0.910	1.277	0.893	0.851	0.930	0.930	1.280
FR1 n14_Ant 1	0.168	0.215	0.270	1.038	0.742	0.761	0.809	1.140	0.716	1.187	1.368	1.260	0.754	1.219	0.745	0.704	0.792	1.135	0.706	1.212	1.102	0.763	1.130	0.746	0.704	0.783	0.783	1.133
FR1 n25_Ant 1	0.430	0.215	0.270	1.300	1.004	1.023	1.071	1.402	0.978	1.449	1.630	1.522	1.016	1.481	1.007	0.966	1.054	1.397	0.968	1.474	1.364	1.025	1.392	1.008	0.966	1.045	1.045	1.395
FR1 n26_Ant 1	0.162	0.215	0.270	1.032	0.736	0.755	0.803	1.134	0.710	1.181	1.362	1.254	0.748	1.213	0.739	0.698	0.786	1.129	0.700	1.206	1.096	0.757	1.124	0.740	0.698	0.777	0.777	1.127
FR1 n41_Ant 1	0.300	0.215	0.270	1.170	0.874	0.893	0.941	1.272	0.848	1.319	1.500	1.392	0.886	1.351	0.877	0.836	0.924	1.267	0.838	1.344	1.234	0.895	1.262	0.878	0.836	0.915	0.915	1.265
FR1 n48_Ant 1	0.210	0.215	0.270	1.080	0.784	0.803	0.851	1.182	0.758	1.229	1.410	1.302	0.796	1.261	0.787	0.746	0.834	1.177	0.748	1.254	1.144	0.805	1.172	0.788	0.746	0.825	0.825	1.175
FR1 n66_Ant 1	0.349	0.215	0.270	1.219	0.923	0.942	0.990	1.321	0.897	1.368	1.549	1.441	0.935	1.400	0.926	0.885	0.973	1.316	0.887	1.393	1.283	0.944	1.311	0.927	0.885	0.964	0.964	1.314
FR1 n71_Ant 1	0.321	0.215	0.270	1.191	0.895	0.914	0.962	1.293	0.869	1.340	1.521	1.413	0.907	1.372	0.898	0.857	0.945	1.288	0.859	1.365	1.255	0.916	1.283	0.899	0.857	0.936	0.936	1.286
FR1 n77_Ant 1	0.276	0.215	0.270	1.146	0.850	0.869	0.917	1.248	0.824	1.295	1.476	1.368	0.862	1.327	0.853	0.812	0.900	1.243	0.814	1.320	1.210	0.871	1.238	0.854	0.812	0.891	0.891	1.241

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1+WLAN5/6GHz Ant 4+3(3)	0.700	-24.8	62.2	-207.0	61.7	1.42	0.03	Not required
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0				
Max WWAN Ant 1+WLAN5/6GHz Ant 4+3(3)	0.700	-24.8	62.2	-207.0	32.3	0.92	0.03	Not required
WLAN2.4GHz Ant 4+3(3)	0.215	-22.7	30.0	-207.0				
WLAN2.4GHz Ant 4+3(3)	0.215	-22.7	30.0	-207.0	30.1	0.93	0.03	Not required
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0				



<Case 59>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM1900_Ant 2	0.533	0.180	0.130	1.440	1.222	1.331	1.478	1.507	1.228	1.300	1.389	1.463	1.294	1.593	1.469	1.276	1.439	1.318	1.239	1.187	1.404	1.343	1.575	1.348	1.298	1.468	1.397	1.283
WCDMA II_Ant 2	0.529	0.180	0.130	1.436	1.218	1.327	1.474	1.503	1.224	1.296	1.385	1.459	1.290	1.589	1.465	1.272	1.435	1.314	1.235	1.183	1.400	1.339	1.571	1.344	1.294	1.464	1.393	1.279
WCDMA IV_Ant 2	0.491	0.180	0.130	1.398	1.180	1.289	1.436	1.465	1.186	1.258	1.347	1.421	1.252	1.551	1.427	1.234	1.397	1.276	1.197	1.145	1.362	1.301	1.533	1.306	1.256	1.426	1.355	1.241
LTE Band 7_Ant 2	0.486	0.180	0.130	1.393	1.175	1.284	1.431	1.460	1.181	1.253	1.342	1.416	1.247	1.546	1.422	1.229	1.392	1.271	1.192	1.140	1.357	1.296	1.528	1.301	1.251	1.421	1.350	1.236
LTE Band 25_Ant 2	0.354	0.180	0.130	1.261	1.043	1.152	1.299	1.328	1.049	1.121	1.210	1.284	1.115	1.414	1.290	1.097	1.260	1.139	1.060	1.008	1.225	1.164	1.396	1.169	1.119	1.289	1.218	1.104
LTE Band 30_Ant 2	0.522	0.180	0.130	1.429	1.211	1.320	1.467	1.496	1.217	1.289	1.378	1.452	1.283	1.582	1.458	1.265	1.428	1.307	1.228	1.176	1.393	1.332	1.564	1.337	1.287	1.457	1.386	1.272
LTE Band 41_Ant 2	0.530	0.180	0.130	1.437	1.219	1.328	1.475	1.504	1.225	1.297	1.386	1.460	1.291	1.590	1.466	1.273	1.436	1.315	1.236	1.184	1.401	1.340	1.572	1.345	1.295	1.465	1.394	1.280
LTE Band 66_Ant 2	0.376	0.180	0.130	1.283	1.065	1.174	1.321	1.350	1.071	1.143	1.232	1.306	1.137	1.436	1.312	1.119	1.282	1.161	1.082	1.030	1.247	1.186	1.418	1.191	1.141	1.311	1.240	1.126
FR1 n7_Ant 2	0.536	0.180	0.130	1.443	1.225	1.334	1.481	1.510	1.231	1.303	1.392	1.466	1.297	1.596	1.472	1.279	1.442	1.321	1.242	1.190	1.407	1.346	1.578	1.351	1.301	1.471	1.400	1.286
FR1 n25_Ant 2	0.408	0.180	0.130	1.315	1.097	1.206	1.353	1.382	1.103	1.175	1.264	1.338	1.169	1.468	1.344	1.151	1.314	1.193	1.114	1.062	1.279	1.218	1.450	1.223	1.173	1.343	1.272	1.158
FR1 n30_Ant 2	0.533	0.180	0.130	1.440	1.222	1.331	1.478	1.507	1.228	1.300	1.389	1.463	1.294	1.593	1.469	1.276	1.439	1.318	1.239	1.187	1.404	1.343	1.575	1.348	1.298	1.468	1.397	1.283
FR1 n41_Ant 2	0.480	0.180	0.130	1.387	1.169	1.278	1.425	1.454	1.175	1.247	1.336	1.410	1.241	1.540	1.416	1.223	1.386	1.265	1.186	1.134	1.351	1.290	1.522	1.295	1.245	1.415	1.344	1.230
FR1 n66_Ant 2	0.530	0.180	0.130	1.437	1.219	1.328	1.475	1.504	1.225	1.297	1.386	1.460	1.291	1.590	1.466	1.273	1.436	1.315	1.236	1.184	1.401	1.340	1.572	1.345	1.295	1.465	1.394	1.280
FR1 n70_Ant 2	0.442	0.180	0.130	1.349	1.131	1.240	1.387	1.416	1.137	1.209	1.298	1.372	1.203	1.502	1.378	1.185	1.348	1.227	1.148	1.096	1.313	1.252	1.484	1.257	1.207	1.377	1.306	1.192

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max Ant 0 + Max Ant 2	1.286	-52.0	-66.0	-207.0	114.9	1.47	0.02	Not required
WLAN2.4GHz Ant 3	0.180	14.0	28.0	-207.0				
Max Ant 0 + Max Ant 2	1.286	-52.0	-66.0	-207.0	129.7	1.42	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0				
Max Ant 0 + Max Ant 2	1.286	-52.0	-66.0	-207.0	126.3	1.34	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				
WLAN2.4GHz Ant 3	0.180	14.0	28.0	-207.0	18.0	0.31	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0				
WLAN2.4GHz Ant 3	0.180	14.0	28.0	-207.0	69.2	0.24	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0	62.2	0.19	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				



<Case 60>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM1900_Ant 2	0.533	0.182	0.130	1.442	1.224	1.333	1.480	1.509	1.230	1.302	1.391	1.465	1.296	1.595	1.471	1.278	1.441	1.320	1.241	1.189	1.406	1.345	1.577	1.350	1.300	1.470	1.399	1.285
WCDMA II_Ant 2	0.529	0.182	0.130	1.438	1.220	1.329	1.476	1.505	1.226	1.298	1.387	1.461	1.292	1.591	1.467	1.274	1.437	1.316	1.237	1.185	1.402	1.341	1.573	1.346	1.296	1.466	1.395	1.281
WCDMA IV_Ant 2	0.491	0.182	0.130	1.400	1.182	1.291	1.438	1.467	1.188	1.260	1.349	1.423	1.254	1.553	1.429	1.236	1.399	1.278	1.199	1.147	1.364	1.303	1.535	1.308	1.258	1.428	1.357	1.243
LTE Band 7_Ant 2	0.486	0.182	0.130	1.395	1.177	1.286	1.433	1.462	1.183	1.255	1.344	1.418	1.249	1.548	1.424	1.231	1.394	1.273	1.194	1.142	1.359	1.298	1.530	1.303	1.253	1.423	1.352	1.238
LTE Band 25_Ant 2	0.354	0.182	0.130	1.263	1.045	1.154	1.301	1.330	1.051	1.123	1.212	1.286	1.117	1.416	1.292	1.099	1.262	1.141	1.062	1.010	1.227	1.166	1.398	1.171	1.121	1.291	1.220	1.106
LTE Band 30_Ant 2	0.522	0.182	0.130	1.431	1.213	1.322	1.469	1.498	1.219	1.291	1.380	1.454	1.285	1.584	1.460	1.267	1.430	1.309	1.230	1.178	1.395	1.334	1.566	1.339	1.289	1.459	1.388	1.274
LTE Band 41_Ant 2	0.530	0.182	0.130	1.439	1.221	1.330	1.477	1.506	1.227	1.299	1.388	1.462	1.293	1.592	1.468	1.275	1.438	1.317	1.238	1.186	1.403	1.342	1.574	1.347	1.297	1.467	1.396	1.282
LTE Band 66_Ant 2	0.376	0.182	0.130	1.285	1.067	1.176	1.323	1.352	1.073	1.145	1.234	1.308	1.139	1.438	1.314	1.121	1.284	1.163	1.084	1.032	1.249	1.188	1.420	1.193	1.143	1.313	1.242	1.128
FR1 n7_Ant 2	0.536	0.182	0.130	1.445	1.227	1.336	1.483	1.512	1.233	1.305	1.394	1.468	1.299	1.598	1.474	1.281	1.444	1.323	1.244	1.192	1.409	1.348	1.580	1.353	1.303	1.473	1.402	1.288
FR1 n25_Ant 2	0.408	0.182	0.130	1.317	1.099	1.208	1.355	1.384	1.105	1.177	1.266	1.340	1.171	1.470	1.346	1.153	1.316	1.195	1.116	1.064	1.281	1.220	1.452	1.225	1.175	1.345	1.274	1.160
FR1 n30_Ant 2	0.533	0.182	0.130	1.442	1.224	1.333	1.480	1.509	1.230	1.302	1.391	1.465	1.296	1.595	1.471	1.278	1.441	1.320	1.241	1.189	1.406	1.345	1.577	1.350	1.300	1.470	1.399	1.285
FR1 n41_Ant 2	0.480	0.182	0.130	1.389	1.171	1.280	1.427	1.456	1.177	1.249	1.338	1.412	1.243	1.542	1.418	1.225	1.388	1.267	1.188	1.136	1.353	1.292	1.524	1.297	1.247	1.417	1.346	1.232
FR1 n66_Ant 2	0.530	0.182	0.130	1.439	1.221	1.330	1.477	1.506	1.227	1.299	1.388	1.462	1.293	1.592	1.468	1.275	1.438	1.317	1.238	1.186	1.403	1.342	1.574	1.347	1.297	1.467	1.396	1.282
FR1 n70_Ant 2	0.442	0.182	0.130	1.351	1.133	1.242	1.389	1.418	1.139	1.211	1.300	1.374	1.205	1.504	1.380	1.187	1.350	1.229	1.150	1.098	1.315	1.254	1.486	1.259	1.209	1.379	1.308	1.194

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max Ant 0 + Max Ant 2	1.286	-59.0	-46.5	-207.0	102.6	1.47	0.02	Not required
WLAN2.4GHz Ant 4+3(3)	0.182	11.0	28.5	-207.0				
Max Ant 0 + Max Ant 2	1.286	-59.0	-46.5	-207.0	84.1	1.40	0.02	Not required
WLAN2.4GHz Ant 4+3(4)	0.114	-62.0	37.5	-207.0				
Max Ant 0 + Max Ant 2	1.286	-59.0	-46.5	-207.0	117.5	1.42	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0				
Max Ant 0 + Max Ant 2	1.286	-59.0	-46.5	-207.0	107.4	1.34	0.01	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				
WLAN2.4GHz Ant 4+3(3)	0.182	11.0	28.5	-207.0	73.6	0.30	0.00	Not required
WLAN2.4GHz Ant 4+3(4)	0.114	-62.0	37.5	-207.0				
WLAN2.4GHz Ant 4+3(3)	0.182	11.0	28.5	-207.0	17.7	0.31	0.01	Not required
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0				
WLAN2.4GHz Ant 4+3(3)	0.182	11.0	28.5	-207.0	66.3	0.24	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				
WLAN2.4GHz Ant 4+3(4)	0.114	-62.0	37.5	-207.0	75.9	0.24	0.00	Not required
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0				
WLAN2.4GHz Ant 4+3(4)	0.114	-62.0	37.5	-207.0	27.1	0.17	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				
WLAN5/6GHz Ant 4+3(3)	0.130	13.4	46.0	-207.0	62.2	0.19	0.00	Not required
WLAN5/6GHz Ant 4+3(4)	0.055	-47.2	60.2	-207.0				



<Case 61>

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

Table with 21 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n14, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71) and 10 rows of SAR data.

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

Table with 8 columns (Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR) and 3 rows of calculation data.

<Case 62>

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

Table with 21 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n14, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71) and 10 rows of SAR data.

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

Table with 8 columns (Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR) and 3 rows of calculation data.

<Case 63>

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

Table with 21 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n14, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71) and 10 rows of SAR data.

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

Table with 8 columns (Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR) and 3 rows of calculation data.



<Case 66>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM1900_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.182	0.130	1.347	1.343	1.305	1.300	1.168	1.336	1.344	1.190	1.350	1.222	1.347	1.294	1.344	1.256
WCDMA V_Ant 1	0.463	0.182	0.130	1.308	1.304	1.266	1.261	1.129	1.297	1.305	1.151	1.311	1.183	1.308	1.255	1.305	1.217
LTE Band 12_Ant 1	0.324	0.182	0.130	1.169	1.165	1.127	1.122	0.990	1.158	1.166	1.012	1.172	1.044	1.169	1.116	1.166	1.078
LTE Band 13_Ant 1	0.389	0.182	0.130	1.234	1.230	1.192	1.187	1.055	1.223	1.231	1.077	1.237	1.109	1.234	1.181	1.231	1.143
LTE Band 14_Ant 1	0.407	0.182	0.130	1.252	1.248	1.210	1.205	1.073	1.241	1.249	1.095	1.255	1.127	1.252	1.199	1.249	1.161
LTE Band 25_Ant 1	0.684	0.182	0.130	1.529	1.525	1.487	1.482	1.350	1.518	1.526	1.372	1.532	1.404	1.529	1.476	1.526	1.438
LTE Band 26_Ant 1	0.478	0.182	0.130	1.323	1.319	1.281	1.276	1.144	1.312	1.320	1.166	1.326	1.198	1.323	1.270	1.320	1.232
LTE Band 66_Ant 1	0.844	0.182	0.130	1.689	1.685	1.647	1.642	1.510	1.678	1.686	1.532	1.692	1.564	1.689	1.636	1.686	1.598
LTE Band 71_Ant 1	0.304	0.182	0.130	1.149	1.145	1.107	1.102	0.970	1.138	1.146	0.992	1.152	1.024	1.149	1.096	1.146	1.058
FR1 n12_Ant 1	0.228	0.182	0.130	1.073	1.069	1.031	1.026	0.894	1.062	1.070	0.916	1.076	0.948	1.073	1.020	1.070	0.982
FR1 n14_Ant 1	0.380	0.182	0.130	1.225	1.221	1.183	1.178	1.046	1.214	1.222	1.068	1.228	1.100	1.225	1.172	1.222	1.134
FR1 n25_Ant 1	0.836	0.182	0.130	1.681	1.677	1.639	1.634	1.502	1.670	1.678	1.524	1.684	1.556	1.681	1.628	1.678	1.590
FR1 n26_Ant 1	0.435	0.182	0.130	1.280	1.276	1.238	1.233	1.101	1.269	1.277	1.123	1.283	1.155	1.280	1.227	1.277	1.189
FR1 n41_Ant 1	0.694	0.182	0.130	1.539	1.535	1.497	1.492	1.360	1.528	1.536	1.382	1.542	1.414	1.539	1.486	1.536	1.448
FR1 n48_Ant 1	0.461	0.182	0.130	1.306	1.302	1.264	1.259	1.127	1.295	1.303	1.149	1.309	1.181	1.306	1.253	1.303	1.215
FR1 n66_Ant 1	0.628	0.182	0.130	1.473	1.469	1.431	1.426	1.294	1.462	1.470	1.316	1.476	1.348	1.473	1.420	1.470	1.382
FR1 n71_Ant 1	0.350	0.182	0.130	1.195	1.191	1.153	1.148	1.016	1.184	1.192	1.038	1.198	1.070	1.195	1.142	1.192	1.104
FR1 n77_Ant 1	0.400	0.182	0.130	1.245	1.241	1.203	1.198	1.066	1.234	1.242	1.088	1.248	1.120	1.245	1.192	1.242	1.154

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	83.0	1.69	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.156	-62.0	37.5	-207.0				



<Case 67>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.180	0.130	1.326	1.180	1.305
WCDMA V_Ant 1	0.463	0.180	0.130	1.287	1.141	1.266
LTE Band 12_Ant 1	0.324	0.180	0.130	1.148	1.002	1.127
LTE Band 13_Ant 1	0.389	0.180	0.130	1.213	1.067	1.192
LTE Band 14_Ant 1	0.407	0.180	0.130	1.231	1.085	1.210
LTE Band 25_Ant 1	0.684	0.180	0.130	1.508	1.362	1.487
LTE Band 26_Ant 1	0.478	0.180	0.130	1.302	1.156	1.281
LTE Band 66_Ant 1	0.844	0.180	0.130	1.668	1.522	1.647
LTE Band 71_Ant 1	0.304	0.180	0.130	1.128	0.982	1.107
FR1 n12_Ant 1	0.228	0.180	0.130	1.052	0.906	1.031
FR1 n14_Ant 1	0.380	0.180	0.130	1.204	1.058	1.183
FR1 n25_Ant 1	0.836	0.180	0.130	1.660	1.514	1.639
FR1 n26_Ant 1	0.435	0.180	0.130	1.259	1.113	1.238
FR1 n41_Ant 1	0.694	0.180	0.130	1.518	1.372	1.497
FR1 n48_Ant 1	0.461	0.180	0.130	1.285	1.139	1.264
FR1 n66_Ant 1	0.628	0.180	0.130	1.452	1.306	1.431
FR1 n71_Ant 1	0.350	0.180	0.130	1.174	1.028	1.153
FR1 n77_Ant 1	0.400	0.180	0.130	1.224	1.078	1.203

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.3	1.67	0.03	Not required
Max WWAN Ant 1+ WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.154	14.0	28.0	-207.0				



<Case 68>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.131	0.130	1.277	1.131	1.256
WCDMA V_Ant 1	0.463	0.131	0.130	1.238	1.092	1.217
LTE Band 12_Ant 1	0.324	0.131	0.130	1.099	0.953	1.078
LTE Band 13_Ant 1	0.389	0.131	0.130	1.164	1.018	1.143
LTE Band 14_Ant 1	0.407	0.131	0.130	1.182	1.036	1.161
LTE Band 25_Ant 1	0.684	0.131	0.130	1.459	1.313	1.438
LTE Band 26_Ant 1	0.478	0.131	0.130	1.253	1.107	1.232
LTE Band 66_Ant 1	0.844	0.131	0.130	1.619	1.473	1.598
LTE Band 71_Ant 1	0.304	0.131	0.130	1.079	0.933	1.058
FR1 n12_Ant 1	0.228	0.131	0.130	1.003	0.857	0.982
FR1 n14_Ant 1	0.380	0.131	0.130	1.155	1.009	1.134
FR1 n25_Ant 1	0.836	0.131	0.130	1.611	1.465	1.590
FR1 n26_Ant 1	0.435	0.131	0.130	1.210	1.064	1.189
FR1 n41_Ant 1	0.694	0.131	0.130	1.469	1.323	1.448
FR1 n48_Ant 1	0.461	0.131	0.130	1.236	1.090	1.215
FR1 n66_Ant 1	0.628	0.131	0.130	1.403	1.257	1.382
FR1 n71_Ant 1	0.350	0.131	0.130	1.125	0.979	1.104
FR1 n77_Ant 1	0.400	0.131	0.130	1.175	1.029	1.154

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	98.2	1.62	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.105	13.4	46.0	-207.0				



<Case 69>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.182	0.130	1.328	1.182	1.307
WCDMA V_Ant 1	0.463	0.182	0.130	1.289	1.143	1.268
LTE Band 12_Ant 1	0.324	0.182	0.130	1.150	1.004	1.129
LTE Band 13_Ant 1	0.389	0.182	0.130	1.215	1.069	1.194
LTE Band 14_Ant 1	0.407	0.182	0.130	1.233	1.087	1.212
LTE Band 25_Ant 1	0.684	0.182	0.130	1.510	1.364	1.489
LTE Band 26_Ant 1	0.478	0.182	0.130	1.304	1.158	1.283
LTE Band 66_Ant 1	0.844	0.182	0.130	1.670	1.524	1.649
LTE Band 71_Ant 1	0.304	0.182	0.130	1.130	0.984	1.109
FR1 n12_Ant 1	0.228	0.182	0.130	1.054	0.908	1.033
FR1 n14_Ant 1	0.380	0.182	0.130	1.206	1.060	1.185
FR1 n25_Ant 1	0.836	0.182	0.130	1.662	1.516	1.641
FR1 n26_Ant 1	0.435	0.182	0.130	1.261	1.115	1.240
FR1 n41_Ant 1	0.694	0.182	0.130	1.520	1.374	1.499
FR1 n48_Ant 1	0.461	0.182	0.130	1.287	1.141	1.266
FR1 n66_Ant 1	0.628	0.182	0.130	1.454	1.308	1.433
FR1 n71_Ant 1	0.350	0.182	0.130	1.176	1.030	1.155
FR1 n77_Ant 1	0.400	0.182	0.130	1.226	1.080	1.205

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.6	1.67	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.156	11.0	28.5	-207.0				



<Case 70>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.180	0.130	1.134	1.128	1.271
WCDMA V_Ant 1	0.463	0.180	0.130	1.095	1.089	1.232
LTE Band 12_Ant 1	0.324	0.180	0.130	0.956	0.950	1.093
LTE Band 13_Ant 1	0.389	0.180	0.130	1.021	1.015	1.158
LTE Band 14_Ant 1	0.407	0.180	0.130	1.039	1.033	1.176
LTE Band 25_Ant 1	0.684	0.180	0.130	1.316	1.310	1.453
LTE Band 26_Ant 1	0.478	0.180	0.130	1.110	1.104	1.247
LTE Band 66_Ant 1	0.844	0.180	0.130	1.476	1.470	1.613
LTE Band 71_Ant 1	0.304	0.180	0.130	0.936	0.930	1.073
FR1 n12_Ant 1	0.228	0.180	0.130	0.860	0.854	0.997
FR1 n14_Ant 1	0.380	0.180	0.130	1.012	1.006	1.149
FR1 n25_Ant 1	0.836	0.180	0.130	1.468	1.462	1.605
FR1 n26_Ant 1	0.435	0.180	0.130	1.067	1.061	1.204
FR1 n41_Ant 1	0.694	0.180	0.130	1.326	1.320	1.463
FR1 n48_Ant 1	0.461	0.180	0.130	1.093	1.087	1.230
FR1 n66_Ant 1	0.628	0.180	0.130	1.260	1.254	1.397
FR1 n71_Ant 1	0.350	0.180	0.130	0.982	0.976	1.119
FR1 n77_Ant 1	0.400	0.180	0.130	1.032	1.026	1.169

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	100.1	1.61	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.154	-47.2	60.2	-207.0				



<Case 71>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.182	0.130	1.136	1.130	1.273
WCDMA V_Ant 1	0.463	0.182	0.130	1.097	1.091	1.234
LTE Band 12_Ant 1	0.324	0.182	0.130	0.958	0.952	1.095
LTE Band 13_Ant 1	0.389	0.182	0.130	1.023	1.017	1.160
LTE Band 14_Ant 1	0.407	0.182	0.130	1.041	1.035	1.178
LTE Band 25_Ant 1	0.684	0.182	0.130	1.318	1.312	1.455
LTE Band 26_Ant 1	0.478	0.182	0.130	1.112	1.106	1.249
LTE Band 66_Ant 1	0.844	0.182	0.130	1.478	1.472	1.615
LTE Band 71_Ant 1	0.304	0.182	0.130	0.938	0.932	1.075
FR1 n12_Ant 1	0.228	0.182	0.130	0.862	0.856	0.999
FR1 n14_Ant 1	0.380	0.182	0.130	1.014	1.008	1.151
FR1 n25_Ant 1	0.836	0.182	0.130	1.470	1.464	1.607
FR1 n26_Ant 1	0.435	0.182	0.130	1.069	1.063	1.206
FR1 n41_Ant 1	0.694	0.182	0.130	1.328	1.322	1.465
FR1 n48_Ant 1	0.461	0.182	0.130	1.095	1.089	1.232
FR1 n66_Ant 1	0.628	0.182	0.130	1.262	1.256	1.399
FR1 n71_Ant 1	0.350	0.182	0.130	0.984	0.978	1.121
FR1 n77_Ant 1	0.400	0.182	0.130	1.034	1.028	1.171

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	76.0	1.62	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.156	-62.0	37.5	-207.0				



<Case 72>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4+3	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)			0.704	0.615	0.563	0.740	0.542	0.621	0.751	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.001	0.066	1.282	1.193	1.141	1.318	1.120	1.199	1.329	0.969	1.428	1.077	1.179	1.202	1.073	0.992
LTE Band 66_Ant 5	0.768	0.001	0.066	1.539	1.450	1.398	1.575	1.377	1.456	1.586	1.226	1.685	1.334	1.436	1.459	1.330	1.249
FR1 n25_Ant 5	0.654	0.001	0.066	1.425	1.336	1.284	1.461	1.263	1.342	1.472	1.112	1.571	1.220	1.322	1.345	1.216	1.135
FR1 n41_Ant 5	0.746	0.001	0.066	1.517	1.428	1.376	1.553	1.355	1.434	1.564	1.204	1.663	1.312	1.414	1.437	1.308	1.227
FR1 n48_Ant 5	0.450	0.001	0.066	1.221	1.132	1.080	1.257	1.059	1.138	1.268	0.908	1.367	1.016	1.118	1.141	1.012	0.931
FR1 n66_Ant 5	0.779	0.001	0.066	1.550	1.461	1.409	1.586	1.388	1.467	1.597	1.237	1.696	1.345	1.447	1.470	1.341	1.260
FR1 n77_Ant 5	0.451	0.001	0.066	1.222	1.133	1.081	1.258	1.060	1.139	1.269	0.909	1.368	1.017	1.119	1.142	1.013	0.932

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-26.8	55.0	-207.0	87.4	1.70	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	0.846	-28.4	-32.4	-207.0				

<Case 73>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	WLAN 5/6GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)			0.704	0.615	0.563	0.740	0.542	0.621	0.751	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.149	0.066	1.430	1.341	1.289	1.466	1.268	1.347	1.477	1.117	1.576	1.225	1.327	1.350	1.221	1.140
LTE Band 66_Ant 5	0.768	0.149	0.066	1.687	1.598	1.546	1.723	1.525	1.604	1.734	1.374	1.833	1.482	1.584	1.607	1.478	1.397
FR1 n25_Ant 5	0.654	0.149	0.066	1.573	1.484	1.432	1.609	1.411	1.490	1.620	1.260	1.719	1.368	1.470	1.493	1.364	1.283
FR1 n41_Ant 5	0.746	0.149	0.066	1.665	1.576	1.524	1.701	1.503	1.582	1.712	1.352	1.811	1.460	1.562	1.585	1.456	1.375
FR1 n48_Ant 5	0.450	0.149	0.066	1.369	1.280	1.228	1.405	1.207	1.286	1.416	1.056	1.515	1.164	1.266	1.289	1.160	1.079
FR1 n66_Ant 5	0.779	0.149	0.066	1.698	1.609	1.557	1.734	1.536	1.615	1.745	1.385	1.844	1.493	1.595	1.618	1.489	1.408
FR1 n77_Ant 5	0.451	0.149	0.066	1.370	1.281	1.229	1.406	1.208	1.287	1.417	1.057	1.516	1.165	1.267	1.290	1.161	1.080

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-25.6	47.6	-207.0	80.0	1.84	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	0.994	-28.4	-32.4	-207.0				

<Case 74>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)			0.704	0.615	0.563	0.740	0.542	0.621	0.751	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.123	0.066	1.404	1.315	1.263	1.440	1.242	1.321	1.451	1.091	1.550	1.199	1.301	1.324	1.195	1.114
LTE Band 66_Ant 5	0.768	0.123	0.066	1.661	1.572	1.520	1.697	1.499	1.578	1.708	1.348	1.807	1.456	1.558	1.581	1.452	1.371
FR1 n25_Ant 5	0.654	0.123	0.066	1.547	1.458	1.406	1.583	1.385	1.464	1.594	1.234	1.693	1.342	1.444	1.467	1.338	1.257
FR1 n41_Ant 5	0.746	0.123	0.066	1.639	1.550	1.498	1.675	1.477	1.556	1.686	1.326	1.785	1.434	1.536	1.559	1.430	1.349
FR1 n48_Ant 5	0.450	0.123	0.066	1.343	1.254	1.202	1.379	1.181	1.260	1.390	1.030	1.489	1.138	1.240	1.263	1.134	1.053
FR1 n66_Ant 5	0.779	0.123	0.066	1.672	1.583	1.531	1.708	1.510	1.589	1.719	1.359	1.818	1.467	1.569	1.592	1.463	1.382
FR1 n77_Ant 5	0.451	0.123	0.066	1.344	1.255	1.203	1.380	1.182	1.261	1.391	1.031	1.490	1.139	1.241	1.264	1.135	1.054

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-25.6	47.6	-207.0	80.0	1.82	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	0.968	-28.4	-32.4	-207.0				



<Case 75>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Right Side	1g SAR (W/kg)			0.553	0.671	0.526
LTE Band 25_Ant 5	0.511	0.149	0.066	1.279	1.397	1.252
LTE Band 66_Ant 5	0.768	0.149	0.066	1.536	1.654	1.509
FR1 n25_Ant 5	0.654	0.149	0.066	1.422	1.540	1.395
FR1 n41_Ant 5	0.746	0.149	0.066	1.514	1.632	1.487
FR1 n48_Ant 5	0.450	0.149	0.066	1.218	1.336	1.191
FR1 n66_Ant 5	0.779	0.149	0.066	1.547	1.665	1.520
FR1 n77_Ant 5	0.451	0.149	0.066	1.219	1.337	1.192

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.671	-23.6	50.5	-207.0	83.0	1.67	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	0.994	-28.4	-32.4	-207.0				

<Case 76>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Right Side	1g SAR (W/kg)			0.553	0.671	0.526
LTE Band 25_Ant 5	0.511	0.123	0.066	1.253	1.371	1.226
LTE Band 66_Ant 5	0.768	0.123	0.066	1.510	1.628	1.483
FR1 n25_Ant 5	0.654	0.123	0.066	1.396	1.514	1.369
FR1 n41_Ant 5	0.746	0.123	0.066	1.488	1.606	1.461
FR1 n48_Ant 5	0.450	0.123	0.066	1.192	1.310	1.165
FR1 n66_Ant 5	0.779	0.123	0.066	1.521	1.639	1.494
FR1 n77_Ant 5	0.451	0.123	0.066	1.193	1.311	1.166

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.671	-23.6	50.5	-207.0	83.0	1.64	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	0.968	-28.4	-32.4	-207.0				



<Case 77>

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

Exposure Position	WWAN SAR	WLAN/6GHz Ant 4+3	Bluetooth Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCD MA II_Ant 0	WCD MA IV_Ant 0	WCD MA V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n14_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.145	0.150	1.394	1.176	1.285	1.432	1.461	1.182	1.254	1.343	1.417	1.248	1.547	1.423	1.230	1.393	1.272	1.193	1.141	1.358	1.297	1.529	1.302	1.252	1.422	1.351	1.237
WCDMA V_Ant 1	0.463	0.145	0.150	1.355	1.137	1.246	1.393	1.422	1.143	1.215	1.304	1.378	1.209	1.508	1.384	1.191	1.354	1.233	1.154	1.102	1.319	1.258	1.490	1.263	1.213	1.383	1.312	1.198
LTE Band 12_Ant 1	0.324	0.145	0.150	1.216	0.998	1.107	1.254	1.283	1.004	1.076	1.165	1.239	1.070	1.369	1.245	1.052	1.215	1.094	1.015	0.963	1.180	1.119	1.351	1.124	1.074	1.244	1.173	1.059
LTE Band 13_Ant 1	0.389	0.145	0.150	1.281	1.063	1.172	1.319	1.348	1.069	1.141	1.230	1.304	1.135	1.434	1.310	1.117	1.280	1.159	1.080	1.028	1.245	1.184	1.416	1.189	1.139	1.309	1.238	1.124
LTE Band 14_Ant 1	0.407	0.145	0.150	1.299	1.081	1.190	1.337	1.366	1.087	1.159	1.248	1.322	1.153	1.452	1.328	1.135	1.298	1.177	1.098	1.046	1.263	1.202	1.434	1.207	1.157	1.327	1.256	1.142
LTE Band 25_Ant 1	0.684	0.145	0.150	1.576	1.358	1.467	1.614	1.643	1.364	1.436	1.525	1.599	1.430	1.729	1.605	1.412	1.575	1.454	1.375	1.323	1.540	1.479	1.711	1.484	1.434	1.604	1.533	1.419
LTE Band 26_Ant 1	0.478	0.145	0.150	1.370	1.152	1.261	1.408	1.437	1.158	1.230	1.319	1.393	1.224	1.523	1.399	1.206	1.369	1.248	1.169	1.117	1.334	1.273	1.505	1.278	1.228	1.398	1.327	1.213
LTE Band 66_Ant 1	0.844	0.145	0.150	1.736	1.518	1.627	1.774	1.803	1.524	1.596	1.685	1.759	1.590	1.889	1.765	1.572	1.735	1.614	1.535	1.483	1.700	1.639	1.871	1.644	1.594	1.764	1.693	1.579
LTE Band 71_Ant 1	0.304	0.145	0.150	1.196	0.978	1.087	1.234	1.263	0.984	1.056	1.145	1.219	1.050	1.349	1.225	1.032	1.195	1.074	0.995	0.943	1.160	1.099	1.331	1.104	1.054	1.224	1.153	1.039
FR1 n12_Ant 1	0.228	0.145	0.150	1.120	0.902	1.011	1.158	1.187	0.908	0.980	1.069	1.143	0.974	1.273	1.149	0.956	1.119	0.998	0.919	0.867	1.084	1.023	1.255	1.028	0.978	1.148	1.077	0.963
FR1 n14_Ant 1	0.380	0.145	0.150	1.272	1.054	1.163	1.310	1.339	1.060	1.132	1.221	1.295	1.126	1.425	1.301	1.108	1.271	1.150	1.071	1.019	1.236	1.175	1.407	1.180	1.130	1.300	1.229	1.115
FR1 n25_Ant 1	0.836	0.145	0.150	1.728	1.510	1.619	1.766	1.795	1.516	1.588	1.677	1.751	1.582	1.881	1.757	1.564	1.727	1.606	1.527	1.475	1.692	1.631	1.863	1.636	1.586	1.756	1.685	1.571
FR1 n26_Ant 1	0.435	0.145	0.150	1.327	1.109	1.218	1.365	1.394	1.115	1.187	1.276	1.350	1.181	1.480	1.356	1.163	1.326	1.205	1.126	1.074	1.291	1.230	1.462	1.235	1.185	1.355	1.284	1.170
FR1 n41_Ant 1	0.694	0.145	0.150	1.586	1.368	1.477	1.624	1.653	1.374	1.446	1.535	1.609	1.440	1.739	1.615	1.422	1.585	1.464	1.385	1.333	1.550	1.489	1.721	1.494	1.444	1.614	1.543	1.429
FR1 n48_Ant 1	0.461	0.145	0.150	1.353	1.135	1.244	1.391	1.420	1.141	1.213	1.302	1.376	1.207	1.506	1.382	1.189	1.352	1.231	1.152	1.100	1.317	1.256	1.488	1.261	1.211	1.381	1.310	1.196
FR1 n66_Ant 1	0.628	0.145	0.150	1.520	1.302	1.411	1.558	1.587	1.308	1.380	1.469	1.543	1.374	1.673	1.549	1.356	1.519	1.398	1.319	1.267	1.484	1.423	1.655	1.428	1.378	1.548	1.477	1.363
FR1 n71_Ant 1	0.350	0.145	0.150	1.242	1.024	1.133	1.280	1.309	1.030	1.102	1.191	1.265	1.096	1.395	1.271	1.078	1.241	1.120	1.041	0.989	1.206	1.145	1.377	1.150	1.100	1.270	1.199	1.085
FR1 n77_Ant 1	0.400	0.145	0.150	1.292	1.074	1.183	1.330	1.359	1.080	1.152	1.241	1.315	1.146	1.445	1.321	1.128	1.291	1.170	1.091	1.039	1.256	1.195	1.427	1.200	1.150	1.320	1.249	1.135

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-4.4	-71.4	-207.0	100.4	1.89	0.03	Not required
Max WWAN Ant 1 + WLAN/6GHz Ant 4+3 + Bluetooth Ant 3	1.139	13.0	27.5	-207.0				



<Case 78>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.145	0.095	1.339	1.121	1.230	1.377	1.406	1.127	1.199	1.288	1.362	1.193	1.492	1.368	1.175	1.338	1.217	1.138	1.086	1.303	1.242	1.474	1.247	1.197	1.367	1.296	1.182
WCDMA V_Ant 1	0.463	0.145	0.095	1.300	1.082	1.191	1.338	1.367	1.088	1.160	1.249	1.323	1.154	1.453	1.329	1.136	1.299	1.178	1.099	1.047	1.264	1.203	1.435	1.208	1.158	1.328	1.257	1.143
LTE Band 12_Ant 1	0.324	0.145	0.095	1.161	0.943	1.052	1.199	1.228	0.949	1.021	1.110	1.184	1.015	1.314	1.190	0.997	1.160	1.039	0.960	0.908	1.125	1.064	1.296	1.069	1.019	1.189	1.118	1.004
LTE Band 13_Ant 1	0.389	0.145	0.095	1.226	1.008	1.117	1.264	1.293	1.014	1.086	1.175	1.249	1.080	1.379	1.255	1.062	1.225	1.104	1.025	0.973	1.190	1.129	1.361	1.134	1.084	1.254	1.183	1.069
LTE Band 14_Ant 1	0.407	0.145	0.095	1.244	1.026	1.135	1.282	1.311	1.032	1.104	1.193	1.267	1.098	1.397	1.273	1.080	1.243	1.122	1.043	0.991	1.208	1.147	1.379	1.152	1.102	1.272	1.201	1.087
LTE Band 25_Ant 1	0.684	0.145	0.095	1.521	1.303	1.412	1.559	1.588	1.309	1.381	1.470	1.544	1.375	1.674	1.550	1.357	1.520	1.399	1.320	1.268	1.485	1.424	1.656	1.429	1.379	1.549	1.478	1.364
LTE Band 26_Ant 1	0.478	0.145	0.095	1.315	1.097	1.206	1.353	1.382	1.103	1.175	1.264	1.338	1.169	1.468	1.344	1.151	1.314	1.193	1.114	1.062	1.279	1.218	1.450	1.223	1.173	1.343	1.272	1.158
LTE Band 66_Ant 1	0.844	0.145	0.095	1.681	1.463	1.572	1.719	1.748	1.469	1.541	1.630	1.704	1.535	1.834	1.710	1.517	1.680	1.559	1.480	1.428	1.645	1.584	1.816	1.589	1.539	1.709	1.638	1.524
LTE Band 71_Ant 1	0.304	0.145	0.095	1.141	0.923	1.032	1.179	1.208	0.929	1.001	1.090	1.164	0.995	1.294	1.170	0.977	1.140	1.019	0.940	0.888	1.105	1.044	1.276	1.049	0.999	1.169	1.098	0.984
FR1 n12_Ant 1	0.228	0.145	0.095	1.065	0.847	0.956	1.103	1.132	0.853	0.925	1.014	1.088	0.919	1.218	1.094	0.901	1.064	0.943	0.864	0.812	1.029	0.968	1.200	0.973	0.923	1.093	1.022	0.908
FR1 n14_Ant 1	0.380	0.145	0.095	1.217	0.999	1.108	1.255	1.284	1.005	1.077	1.166	1.240	1.071	1.370	1.246	1.053	1.216	1.095	1.016	0.964	1.181	1.120	1.352	1.125	1.075	1.245	1.174	1.060
FR1 n25_Ant 1	0.836	0.145	0.095	1.673	1.455	1.564	1.711	1.740	1.461	1.533	1.622	1.696	1.527	1.826	1.702	1.509	1.672	1.551	1.472	1.420	1.637	1.576	1.808	1.581	1.531	1.701	1.630	1.516
FR1 n26_Ant 1	0.435	0.145	0.095	1.272	1.054	1.163	1.310	1.339	1.060	1.132	1.221	1.295	1.126	1.425	1.301	1.108	1.271	1.150	1.071	1.019	1.236	1.175	1.407	1.180	1.130	1.300	1.229	1.115
FR1 n41_Ant 1	0.694	0.145	0.095	1.531	1.313	1.422	1.569	1.598	1.319	1.391	1.480	1.554	1.385	1.684	1.560	1.367	1.530	1.409	1.330	1.278	1.495	1.434	1.666	1.439	1.389	1.559	1.488	1.374
FR1 n48_Ant 1	0.461	0.145	0.095	1.298	1.080	1.189	1.336	1.365	1.086	1.158	1.247	1.321	1.152	1.451	1.327	1.134	1.297	1.176	1.097	1.045	1.262	1.201	1.433	1.206	1.156	1.326	1.255	1.141
FR1 n66_Ant 1	0.628	0.145	0.095	1.465	1.247	1.356	1.503	1.532	1.253	1.325	1.414	1.488	1.319	1.618	1.494	1.301	1.464	1.343	1.264	1.212	1.429	1.368	1.600	1.373	1.323	1.493	1.422	1.308
FR1 n71_Ant 1	0.350	0.145	0.095	1.187	0.969	1.078	1.225	1.254	0.975	1.047	1.136	1.210	1.041	1.340	1.216	1.023	1.186	1.065	0.986	0.934	1.151	1.090	1.322	1.095	1.045	1.215	1.144	1.030
FR1 n77_Ant 1	0.400	0.145	0.095	1.237	1.019	1.128	1.275	1.304	1.025	1.097	1.186	1.260	1.091	1.390	1.266	1.073	1.236	1.115	1.036	0.984	1.201	1.140	1.372	1.145	1.095	1.265	1.194	1.080

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-14.5	-71.5	-207.0	118.1	1.83	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.084	-57.5	38.5	-207.0				



<Case 79>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA A II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
GSM850_Ant 1	0.502	0.145	0.151	1.395	1.177	1.286	1.433	1.462	1.183	1.255	1.344	1.418	1.249	1.548	1.424	1.231	1.394	1.273	1.194	1.142	1.359	1.298	1.530	1.303	1.253	1.423	1.352	1.238
WCDMA V_Ant 1	0.463	0.145	0.151	1.356	1.138	1.247	1.394	1.423	1.144	1.216	1.305	1.379	1.210	1.509	1.385	1.192	1.355	1.234	1.155	1.103	1.320	1.259	1.491	1.264	1.214	1.384	1.313	1.199
LTE Band 12_Ant 1	0.324	0.145	0.151	1.217	0.999	1.108	1.255	1.284	1.005	1.077	1.166	1.240	1.071	1.370	1.246	1.053	1.216	1.095	1.016	0.964	1.181	1.120	1.352	1.125	1.075	1.245	1.174	1.060
LTE Band 13_Ant 1	0.389	0.145	0.151	1.282	1.064	1.173	1.320	1.349	1.070	1.142	1.231	1.305	1.136	1.435	1.311	1.118	1.281	1.160	1.081	1.029	1.246	1.185	1.417	1.190	1.140	1.310	1.239	1.125
LTE Band 14_Ant 1	0.407	0.145	0.151	1.300	1.082	1.191	1.338	1.367	1.088	1.160	1.249	1.323	1.154	1.453	1.329	1.136	1.299	1.178	1.099	1.047	1.264	1.203	1.435	1.208	1.158	1.328	1.257	1.143
LTE Band 25_Ant 1	0.684	0.145	0.151	1.577	1.359	1.468	1.615	1.644	1.365	1.437	1.526	1.600	1.431	1.730	1.606	1.413	1.576	1.455	1.376	1.324	1.541	1.480	1.712	1.485	1.435	1.605	1.534	1.420
LTE Band 26_Ant 1	0.478	0.145	0.151	1.371	1.153	1.262	1.409	1.438	1.159	1.231	1.320	1.394	1.225	1.524	1.400	1.207	1.370	1.249	1.170	1.118	1.335	1.274	1.506	1.279	1.229	1.399	1.328	1.214
LTE Band 66_Ant 1	0.844	0.145	0.151	1.737	1.519	1.628	1.775	1.804	1.525	1.597	1.686	1.760	1.591	1.890	1.766	1.573	1.736	1.615	1.536	1.484	1.701	1.640	1.872	1.645	1.595	1.765	1.694	1.580
LTE Band 71_Ant 1	0.304	0.145	0.151	1.197	0.979	1.088	1.235	1.264	0.985	1.057	1.146	1.220	1.051	1.350	1.226	1.033	1.196	1.075	0.996	0.944	1.161	1.100	1.332	1.105	1.055	1.225	1.154	1.040
FR1 n12_Ant 1	0.228	0.145	0.151	1.121	0.903	1.012	1.159	1.188	0.909	0.981	1.070	1.144	0.975	1.274	1.150	0.957	1.120	0.999	0.920	0.868	1.085	1.024	1.256	1.029	0.979	1.149	1.078	0.964
FR1 n14_Ant 1	0.380	0.145	0.151	1.273	1.055	1.164	1.311	1.340	1.061	1.133	1.222	1.296	1.127	1.426	1.302	1.109	1.272	1.151	1.072	1.020	1.237	1.176	1.408	1.181	1.131	1.301	1.230	1.116
FR1 n25_Ant 1	0.836	0.145	0.151	1.729	1.511	1.620	1.767	1.796	1.517	1.589	1.678	1.752	1.583	1.882	1.758	1.565	1.728	1.607	1.528	1.476	1.693	1.632	1.864	1.637	1.587	1.757	1.686	1.572
FR1 n26_Ant 1	0.435	0.145	0.151	1.328	1.110	1.219	1.366	1.395	1.116	1.188	1.277	1.351	1.182	1.481	1.357	1.164	1.327	1.206	1.127	1.075	1.292	1.231	1.463	1.236	1.186	1.356	1.285	1.171
FR1 n41_Ant 1	0.694	0.145	0.151	1.587	1.369	1.478	1.625	1.654	1.375	1.447	1.536	1.610	1.441	1.740	1.616	1.423	1.586	1.465	1.386	1.334	1.551	1.490	1.722	1.495	1.445	1.615	1.544	1.430
FR1 n48_Ant 1	0.461	0.145	0.151	1.354	1.136	1.245	1.392	1.421	1.142	1.214	1.303	1.377	1.208	1.507	1.383	1.190	1.353	1.232	1.153	1.101	1.318	1.257	1.489	1.262	1.212	1.382	1.311	1.197
FR1 n66_Ant 1	0.628	0.145	0.151	1.521	1.303	1.412	1.559	1.588	1.309	1.381	1.470	1.544	1.375	1.674	1.550	1.357	1.520	1.399	1.320	1.268	1.485	1.424	1.656	1.429	1.379	1.549	1.478	1.364
FR1 n71_Ant 1	0.350	0.145	0.151	1.243	1.025	1.134	1.281	1.310	1.031	1.103	1.192	1.266	1.097	1.396	1.272	1.079	1.242	1.121	1.042	0.990	1.207	1.146	1.378	1.151	1.101	1.271	1.200	1.086
FR1 n77_Ant 1	0.400	0.145	0.151	1.293	1.075	1.184	1.331	1.360	1.081	1.153	1.242	1.316	1.147	1.446	1.322	1.129	1.292	1.171	1.092	1.040	1.257	1.196	1.428	1.201	1.151	1.321	1.250	1.136

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-4.4	-71.4	-207.0	98.9	1.89	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.140	-7.5	27.5	-207.0				



<Case 80>

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 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV_Ant 0	WCDMA V_Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Side	1g SAR (W/kg)			0.385	0.089	0.108	0.156	0.487	0.063	0.534	0.715	0.607	0.101	0.566	0.092	0.051	0.139	0.482	0.053	0.559	0.449	0.110	0.477	0.093	0.051	0.130	0.130	0.480
GSM850_Ant 1	0.181	0.303	0.175	1.044	0.748	0.767	0.815	1.146	0.722	1.193	1.374	1.266	0.760	1.225	0.751	0.710	0.798	1.141	0.712	1.218	1.108	0.769	1.136	0.752	0.710	0.789	0.789	1.139
WCDMA V_Ant 1	0.138	0.303	0.175	1.001	0.705	0.724	0.772	1.103	0.679	1.150	1.331	1.223	0.717	1.182	0.708	0.667	0.755	1.098	0.669	1.175	1.065	0.726	1.093	0.709	0.667	0.746	0.746	1.096
LTE Band 12_Ant 1	0.350	0.303	0.175	1.213	0.917	0.936	0.984	1.315	0.891	1.362	1.543	1.435	0.929	1.394	0.920	0.879	0.967	1.310	0.881	1.387	1.277	0.938	1.305	0.921	0.879	0.958	0.958	1.308
LTE Band 13_Ant 1	0.270	0.303	0.175	1.133	0.837	0.856	0.904	1.235	0.811	1.282	1.463	1.355	0.849	1.314	0.840	0.799	0.887	1.230	0.801	1.307	1.197	0.858	1.225	0.841	0.799	0.878	0.878	1.228
LTE Band 14_Ant 1	0.176	0.303	0.175	1.039	0.743	0.762	0.810	1.141	0.717	1.188	1.369	1.261	0.755	1.220	0.746	0.705	0.793	1.136	0.707	1.213	1.103	0.764	1.131	0.747	0.705	0.784	0.784	1.134
LTE Band 25_Ant 1	0.351	0.303	0.175	1.214	0.918	0.937	0.985	1.316	0.892	1.363	1.544	1.436	0.930	1.395	0.921	0.880	0.968	1.311	0.882	1.388	1.278	0.939	1.306	0.922	0.880	0.959	0.959	1.309
LTE Band 26_Ant 1	0.173	0.303	0.175	1.036	0.740	0.759	0.807	1.138	0.714	1.185	1.366	1.258	0.752	1.217	0.743	0.702	0.790	1.133	0.704	1.210	1.100	0.761	1.128	0.744	0.702	0.781	0.781	1.131
LTE Band 66_Ant 1	0.127	0.303	0.175	0.990	0.694	0.713	0.761	1.092	0.668	1.139	1.320	1.212	0.706	1.171	0.697	0.656	0.744	1.087	0.658	1.164	1.054	0.715	1.082	0.698	0.656	0.735	0.735	1.085
LTE Band 71_Ant 1	0.303	0.303	0.175	1.166	0.870	0.889	0.937	1.268	0.844	1.315	1.496	1.388	0.882	1.347	0.873	0.832	0.920	1.263	0.834	1.340	1.230	0.891	1.258	0.874	0.832	0.911	0.911	1.261
FR1 n12_Ant 1	0.315	0.303	0.175	1.178	0.882	0.901	0.949	1.280	0.856	1.327	1.508	1.400	0.894	1.359	0.885	0.844	0.932	1.275	0.846	1.352	1.242	0.903	1.270	0.886	0.844	0.923	0.923	1.273
FR1 n14_Ant 1	0.168	0.303	0.175	1.031	0.735	0.754	0.802	1.133	0.709	1.180	1.361	1.253	0.747	1.212	0.738	0.697	0.785	1.128	0.699	1.205	1.095	0.756	1.123	0.739	0.697	0.776	0.776	1.126
FR1 n25_Ant 1	0.430	0.303	0.175	1.293	0.997	1.016	1.064	1.395	0.971	1.442	1.623	1.515	1.009	1.474	1.000	0.959	1.047	1.390	0.961	1.467	1.357	1.018	1.385	1.001	0.959	1.038	1.038	1.388
FR1 n26_Ant 1	0.162	0.303	0.175	1.025	0.729	0.748	0.796	1.127	0.703	1.174	1.355	1.247	0.741	1.206	0.732	0.691	0.779	1.122	0.693	1.199	1.089	0.750	1.117	0.733	0.691	0.770	0.770	1.120
FR1 n41_Ant 1	0.300	0.303	0.175	1.163	0.867	0.886	0.934	1.265	0.841	1.312	1.493	1.385	0.879	1.344	0.870	0.829	0.917	1.260	0.831	1.337	1.227	0.888	1.255	0.871	0.829	0.908	0.908	1.258
FR1 n48_Ant 1	0.210	0.303	0.175	1.073	0.777	0.796	0.844	1.175	0.751	1.222	1.403	1.295	0.789	1.254	0.780	0.739	0.827	1.170	0.741	1.247	1.137	0.798	1.165	0.781	0.739	0.818	0.818	1.168
FR1 n66_Ant 1	0.349	0.303	0.175	1.212	0.916	0.935	0.983	1.314	0.890	1.361	1.542	1.434	0.928	1.393	0.919	0.878	0.966	1.309	0.880	1.386	1.276	0.937	1.304	0.920	0.878	0.957	0.957	1.307
FR1 n71_Ant 1	0.321	0.303	0.175	1.184	0.888	0.907	0.955	1.286	0.862	1.333	1.514	1.406	0.900	1.365	0.891	0.850	0.938	1.281	0.852	1.358	1.248	0.909	1.276	0.892	0.850	0.929	0.929	1.279
FR1 n77_Ant 1	0.276	0.303	0.175	1.139	0.843	0.862	0.910	1.241	0.817	1.288	1.469	1.361	0.855	1.320	0.846	0.805	0.893	1.236	0.807	1.313	1.203	0.864	1.231	0.847	0.805	0.884	0.884	1.234

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.733	-24.8	62.2	-207.0	36.7	0.91	0.02	Not required
Bluetooth Ant 4+3(3)	0.175	-25.0	25.5	-207.0				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.733	-24.8	62.2	-207.0	61.7	1.45	0.03	Not required
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0				
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0	25.2	0.89	0.03	Not required
Bluetooth Ant 4+3(3)	0.175	-25.0	25.5	-207.0				



<Case 81>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GS M850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Left Side	1g SAR (W/kg)			0.385	0.089	0.108	0.156	0.487	0.063	0.534	0.715	0.607	0.101	0.566	0.092	0.051	0.139	0.482	0.053	0.559	0.449	0.110	0.477	0.093	0.051	0.130	0.130	0.480
GSM850_Ant 1	0.181	0.303	0.223	1.092	0.796	0.815	0.863	1.194	0.770	1.241	1.422	1.314	0.808	1.273	0.799	0.758	0.846	1.189	0.760	1.266	1.156	0.817	1.184	0.800	0.758	0.837	0.837	1.187
WCDMA V_Ant 1	0.138	0.303	0.223	1.049	0.753	0.772	0.820	1.151	0.727	1.198	1.379	1.271	0.765	1.230	0.756	0.715	0.803	1.146	0.717	1.223	1.113	0.774	1.141	0.757	0.715	0.794	0.794	1.144
LTE Band 12_Ant 1	0.350	0.303	0.223	1.261	0.965	0.984	1.032	1.363	0.939	1.410	1.591	1.483	0.977	1.442	0.968	0.927	1.015	1.358	0.929	1.435	1.325	0.986	1.353	0.969	0.927	1.006	1.006	1.356
LTE Band 13_Ant 1	0.270	0.303	0.223	1.181	0.885	0.904	0.952	1.283	0.859	1.330	1.511	1.403	0.897	1.362	0.888	0.847	0.935	1.278	0.849	1.355	1.245	0.906	1.273	0.889	0.847	0.926	0.926	1.276
LTE Band 14_Ant 1	0.176	0.303	0.223	1.087	0.791	0.810	0.858	1.189	0.765	1.236	1.417	1.309	0.803	1.268	0.794	0.753	0.841	1.184	0.755	1.261	1.151	0.812	1.179	0.795	0.753	0.832	0.832	1.182
LTE Band 25_Ant 1	0.351	0.303	0.223	1.262	0.966	0.985	1.033	1.364	0.940	1.411	1.592	1.484	0.978	1.443	0.969	0.928	1.016	1.359	0.930	1.436	1.326	0.987	1.354	0.970	0.928	1.007	1.007	1.357
LTE Band 26_Ant 1	0.173	0.303	0.223	1.084	0.788	0.807	0.855	1.186	0.762	1.233	1.414	1.306	0.800	1.265	0.791	0.750	0.838	1.181	0.752	1.258	1.148	0.809	1.176	0.792	0.750	0.829	0.829	1.179
LTE Band 66_Ant 1	0.127	0.303	0.223	1.038	0.742	0.761	0.809	1.140	0.716	1.187	1.368	1.260	0.754	1.219	0.745	0.704	0.792	1.135	0.706	1.212	1.102	0.763	1.130	0.746	0.704	0.783	0.783	1.133
LTE Band 71_Ant 1	0.303	0.303	0.223	1.214	0.918	0.937	0.985	1.316	0.892	1.363	1.544	1.436	0.930	1.395	0.921	0.880	0.968	1.311	0.882	1.388	1.278	0.939	1.306	0.922	0.880	0.959	0.959	1.309
FR1 n12_Ant 1	0.315	0.303	0.223	1.226	0.930	0.949	0.997	1.328	0.904	1.375	1.556	1.448	0.942	1.407	0.933	0.892	0.980	1.323	0.894	1.400	1.290	0.951	1.318	0.934	0.892	0.971	0.971	1.321
FR1 n14_Ant 1	0.168	0.303	0.223	1.079	0.783	0.802	0.850	1.181	0.757	1.228	1.409	1.301	0.795	1.260	0.786	0.745	0.833	1.176	0.747	1.253	1.143	0.804	1.171	0.787	0.745	0.824	0.824	1.174
FR1 n25_Ant 1	0.430	0.303	0.223	1.341	1.045	1.064	1.112	1.443	1.019	1.490	1.671	1.563	1.057	1.522	1.048	1.007	1.095	1.438	1.009	1.515	1.405	1.066	1.433	1.049	1.007	1.086	1.086	1.436
FR1 n26_Ant 1	0.162	0.303	0.223	1.073	0.777	0.796	0.844	1.175	0.751	1.222	1.403	1.295	0.789	1.254	0.780	0.739	0.827	1.170	0.741	1.247	1.137	0.798	1.165	0.781	0.739	0.818	0.818	1.168
FR1 n41_Ant 1	0.300	0.303	0.223	1.211	0.915	0.934	0.982	1.313	0.889	1.360	1.541	1.433	0.927	1.392	0.918	0.877	0.965	1.308	0.879	1.385	1.275	0.936	1.303	0.919	0.877	0.956	0.956	1.306
FR1 n48_Ant 1	0.210	0.303	0.223	1.121	0.825	0.844	0.892	1.223	0.799	1.270	1.451	1.343	0.837	1.302	0.828	0.787	0.875	1.218	0.789	1.295	1.185	0.846	1.213	0.829	0.787	0.866	0.866	1.216
FR1 n66_Ant 1	0.349	0.303	0.223	1.260	0.964	0.983	1.031	1.362	0.938	1.409	1.590	1.482	0.976	1.441	0.967	0.926	1.014	1.357	0.928	1.434	1.324	0.985	1.352	0.968	0.926	1.005	1.005	1.355
FR1 n71_Ant 1	0.321	0.303	0.223	1.232	0.936	0.955	1.003	1.334	0.910	1.381	1.562	1.454	0.948	1.413	0.939	0.898	0.986	1.329	0.900	1.406	1.296	0.957	1.324	0.940	0.898	0.977	0.977	1.327
FR1 n77_Ant 1	0.276	0.303	0.223	1.187	0.891	0.910	0.958	1.289	0.865	1.336	1.517	1.409	0.903	1.368	0.894	0.853	0.941	1.284	0.855	1.361	1.251	0.912	1.279	0.895	0.853	0.932	0.932	1.282

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.733	-24.8	62.2	-207.0	38.2	0.96	0.02	Not required
Bluetooth Ant 4+3(3)	0.223	-25.9	24.0	-207.0				
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3(3)	0.733	-24.8	62.2	-207.0	61.7	1.45	0.03	Not required
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0				
Max WWAN Ant 0	0.715	-29.7	0.7	-207.0	23.6	0.94	0.04	Not required
Bluetooth Ant 4+3(3)	0.223	-25.9	24.0	-207.0				



<Case 82>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
LTE Band 25_Ant 5	0.375	0.145	0.150	1.267	1.049	1.158	1.305	1.334	1.055	1.127	1.216	1.290	1.121	1.420	1.296	1.103	1.266	1.145	1.066	1.014	1.231	1.170	1.402	1.175	1.125	1.295	1.224	1.110
LTE Band 66_Ant 5	0.606	0.145	0.150	1.498	1.280	1.389	1.536	1.565	1.286	1.358	1.447	1.521	1.352	1.651	1.527	1.334	1.497	1.376	1.297	1.245	1.462	1.401	1.633	1.406	1.356	1.526	1.455	1.341
FR1 n25_Ant 5	0.487	0.145	0.150	1.379	1.161	1.270	1.417	1.446	1.167	1.239	1.328	1.402	1.233	1.532	1.408	1.215	1.378	1.257	1.178	1.126	1.343	1.282	1.514	1.287	1.237	1.407	1.336	1.222
FR1 n41_Ant 5	0.529	0.145	0.150	1.421	1.203	1.312	1.459	1.488	1.209	1.281	1.370	1.444	1.275	1.574	1.450	1.257	1.420	1.299	1.220	1.168	1.385	1.324	1.556	1.329	1.279	1.449	1.378	1.264
FR1 n48_Ant 5	0.385	0.145	0.150	1.277	1.059	1.168	1.315	1.344	1.065	1.137	1.226	1.300	1.131	1.430	1.306	1.113	1.276	1.155	1.076	1.024	1.241	1.180	1.412	1.185	1.135	1.305	1.234	1.120
FR1 n66_Ant 5	0.516	0.145	0.150	1.408	1.190	1.299	1.446	1.475	1.196	1.268	1.357	1.431	1.262	1.561	1.437	1.244	1.407	1.286	1.207	1.155	1.372	1.311	1.543	1.316	1.266	1.436	1.365	1.251
FR1 n77_Ant 5	0.559	0.145	0.150	1.451	1.233	1.342	1.489	1.518	1.239	1.311	1.400	1.474	1.305	1.604	1.480	1.287	1.450	1.329	1.250	1.198	1.415	1.354	1.586	1.359	1.309	1.479	1.408	1.294

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-12.2	-81.4	-207.0	111.8	1.65	0.02	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	0.901	13.0	27.5	-207.0				

<Case 83>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.597	0.379	0.488	0.635	0.664	0.385	0.457	0.546	0.620	0.451	0.750	0.626	0.433	0.596	0.475	0.396	0.344	0.561	0.500	0.732	0.505	0.455	0.625	0.554	0.440
LTE Band 25_Ant 5	0.375	0.145	0.095	1.212	0.994	1.103	1.250	1.279	1.000	1.072	1.161	1.235	1.066	1.365	1.241	1.048	1.211	1.090	1.011	0.959	1.176	1.115	1.347	1.120	1.070	1.240	1.169	1.055
LTE Band 66_Ant 5	0.606	0.145	0.095	1.443	1.225	1.334	1.481	1.510	1.231	1.303	1.392	1.466	1.297	1.596	1.472	1.279	1.442	1.321	1.242	1.190	1.407	1.346	1.578	1.351	1.301	1.471	1.400	1.286
FR1 n25_Ant 5	0.487	0.145	0.095	1.324	1.106	1.215	1.362	1.391	1.112	1.184	1.273	1.347	1.178	1.477	1.353	1.160	1.323	1.202	1.123	1.071	1.288	1.227	1.459	1.232	1.182	1.352	1.281	1.167
FR1 n41_Ant 5	0.529	0.145	0.095	1.366	1.148	1.257	1.404	1.433	1.154	1.226	1.315	1.389	1.220	1.519	1.395	1.202	1.365	1.244	1.165	1.113	1.330	1.269	1.501	1.274	1.224	1.394	1.323	1.209
FR1 n48_Ant 5	0.385	0.145	0.095	1.222	1.004	1.113	1.260	1.289	1.010	1.082	1.171	1.245	1.076	1.375	1.251	1.058	1.221	1.100	1.021	0.969	1.186	1.125	1.357	1.130	1.080	1.250	1.179	1.065
FR1 n66_Ant 5	0.516	0.145	0.095	1.353	1.135	1.244	1.391	1.420	1.141	1.213	1.302	1.376	1.207	1.506	1.382	1.189	1.352	1.231	1.152	1.100	1.317	1.256	1.488	1.261	1.211	1.381	1.310	1.196
FR1 n77_Ant 5	0.559	0.145	0.095	1.396	1.178	1.287	1.434	1.463	1.184	1.256	1.345	1.419	1.250	1.549	1.425	1.232	1.395	1.274	1.195	1.143	1.360	1.299	1.531	1.304	1.254	1.424	1.353	1.239

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.750	-15.2	-81.4	-207.0	127.1	1.60	0.02	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	0.846	-57.5	38.5	-207.0				



<Case 84>

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

Table with columns for Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 4+3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0.

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

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR.

<Case 85>

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

Table with columns for Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 3, GSM1 900 Ant 2, WCDMA II Ant 2, WCDMA A IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2.

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

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR.



<Case 86>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	GSM1900 _Ant 2	WCDMA II _Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.145	0.095	1.275	1.271	1.233	1.228	1.096	1.264	1.272	1.118	1.278	1.150	1.275	1.222	1.272	1.184
WCDMA V_Ant 1	0.463	0.145	0.095	1.236	1.232	1.194	1.189	1.057	1.225	1.233	1.079	1.239	1.111	1.236	1.183	1.233	1.145
LTE Band 12_Ant 1	0.324	0.145	0.095	1.097	1.093	1.055	1.050	0.918	1.086	1.094	0.940	1.100	0.972	1.097	1.044	1.094	1.006
LTE Band 13_Ant 1	0.389	0.145	0.095	1.162	1.158	1.120	1.115	0.983	1.151	1.159	1.005	1.165	1.037	1.162	1.109	1.159	1.071
LTE Band 14_Ant 1	0.407	0.145	0.095	1.180	1.176	1.138	1.133	1.001	1.169	1.177	1.023	1.183	1.055	1.180	1.127	1.177	1.089
LTE Band 25_Ant 1	0.684	0.145	0.095	1.457	1.453	1.415	1.410	1.278	1.446	1.454	1.300	1.460	1.332	1.457	1.404	1.454	1.366
LTE Band 26_Ant 1	0.478	0.145	0.095	1.251	1.247	1.209	1.204	1.072	1.240	1.248	1.094	1.254	1.126	1.251	1.198	1.248	1.160
LTE Band 66_Ant 1	0.844	0.145	0.095	1.617	1.613	1.575	1.570	1.438	1.606	1.614	1.460	1.620	1.492	1.617	1.564	1.614	1.526
LTE Band 71_Ant 1	0.304	0.145	0.095	1.077	1.073	1.035	1.030	0.898	1.066	1.074	0.920	1.080	0.952	1.077	1.024	1.074	0.986
FR1 n12_Ant 1	0.228	0.145	0.095	1.001	0.997	0.959	0.954	0.822	0.990	0.998	0.844	1.004	0.876	1.001	0.948	0.998	0.910
FR1 n14_Ant 1	0.380	0.145	0.095	1.153	1.149	1.111	1.106	0.974	1.142	1.150	0.996	1.156	1.028	1.153	1.100	1.150	1.062
FR1 n25_Ant 1	0.836	0.145	0.095	1.609	1.605	1.567	1.562	1.430	1.598	1.606	1.452	1.612	1.484	1.609	1.556	1.606	1.518
FR1 n26_Ant 1	0.435	0.145	0.095	1.208	1.204	1.166	1.161	1.029	1.197	1.205	1.051	1.211	1.083	1.208	1.155	1.205	1.117
FR1 n41_Ant 1	0.694	0.145	0.095	1.467	1.463	1.425	1.420	1.288	1.456	1.464	1.310	1.470	1.342	1.467	1.414	1.464	1.376
FR1 n48_Ant 1	0.461	0.145	0.095	1.234	1.230	1.192	1.187	1.055	1.223	1.231	1.077	1.237	1.109	1.234	1.181	1.231	1.143
FR1 n66_Ant 1	0.628	0.145	0.095	1.401	1.397	1.359	1.354	1.222	1.390	1.398	1.244	1.404	1.276	1.401	1.348	1.398	1.310
FR1 n71_Ant 1	0.350	0.145	0.095	1.123	1.119	1.081	1.076	0.944	1.112	1.120	0.966	1.126	0.998	1.123	1.070	1.120	1.032
FR1 n77_Ant 1	0.400	0.145	0.095	1.173	1.169	1.131	1.126	0.994	1.162	1.170	1.016	1.176	1.048	1.173	1.120	1.170	1.082

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-59.0	-46.5	-207.0	85.0	1.62	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.084	-57.5	38.5	-207.0				



<Case 87>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM1900 _Ant 2	WCDMA II _Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.145	0.151	1.331	1.327	1.289	1.284	1.152	1.320	1.328	1.174	1.334	1.206	1.331	1.278	1.328	1.240
WCDMA V_Ant 1	0.463	0.145	0.151	1.292	1.288	1.250	1.245	1.113	1.281	1.289	1.135	1.295	1.167	1.292	1.239	1.289	1.201
LTE Band 12_Ant 1	0.324	0.145	0.151	1.153	1.149	1.111	1.106	0.974	1.142	1.150	0.996	1.156	1.028	1.153	1.100	1.150	1.062
LTE Band 13_Ant 1	0.389	0.145	0.151	1.218	1.214	1.176	1.171	1.039	1.207	1.215	1.061	1.221	1.093	1.218	1.165	1.215	1.127
LTE Band 14_Ant 1	0.407	0.145	0.151	1.236	1.232	1.194	1.189	1.057	1.225	1.233	1.079	1.239	1.111	1.236	1.183	1.233	1.145
LTE Band 25_Ant 1	0.684	0.145	0.151	1.513	1.509	1.471	1.466	1.334	1.502	1.510	1.356	1.516	1.388	1.513	1.460	1.510	1.422
LTE Band 26_Ant 1	0.478	0.145	0.151	1.307	1.303	1.265	1.260	1.128	1.296	1.304	1.150	1.310	1.182	1.307	1.254	1.304	1.216
LTE Band 66_Ant 1	0.844	0.145	0.151	1.673	1.669	1.631	1.626	1.494	1.662	1.670	1.516	1.676	1.548	1.673	1.620	1.670	1.582
LTE Band 71_Ant 1	0.304	0.145	0.151	1.133	1.129	1.091	1.086	0.954	1.122	1.130	0.976	1.136	1.008	1.133	1.080	1.130	1.042
FR1 n12_Ant 1	0.228	0.145	0.151	1.057	1.053	1.015	1.010	0.878	1.046	1.054	0.900	1.060	0.932	1.057	1.004	1.054	0.966
FR1 n14_Ant 1	0.380	0.145	0.151	1.209	1.205	1.167	1.162	1.030	1.198	1.206	1.052	1.212	1.084	1.209	1.156	1.206	1.118
FR1 n25_Ant 1	0.836	0.145	0.151	1.665	1.661	1.623	1.618	1.486	1.654	1.662	1.508	1.668	1.540	1.665	1.612	1.662	1.574
FR1 n26_Ant 1	0.435	0.145	0.151	1.264	1.260	1.222	1.217	1.085	1.253	1.261	1.107	1.267	1.139	1.264	1.211	1.261	1.173
FR1 n41_Ant 1	0.694	0.145	0.151	1.523	1.519	1.481	1.476	1.344	1.512	1.520	1.366	1.526	1.398	1.523	1.470	1.520	1.432
FR1 n48_Ant 1	0.461	0.145	0.151	1.290	1.286	1.248	1.243	1.111	1.279	1.287	1.133	1.293	1.165	1.290	1.237	1.287	1.199
FR1 n66_Ant 1	0.628	0.145	0.151	1.457	1.453	1.415	1.410	1.278	1.446	1.454	1.300	1.460	1.332	1.457	1.404	1.454	1.366
FR1 n71_Ant 1	0.350	0.145	0.151	1.179	1.175	1.137	1.132	1.000	1.168	1.176	1.022	1.182	1.054	1.179	1.126	1.176	1.088
FR1 n77_Ant 1	0.400	0.145	0.151	1.229	1.225	1.187	1.182	1.050	1.218	1.226	1.072	1.232	1.104	1.229	1.176	1.226	1.138

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	78.2	1.68	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.140	-66.0	32.5	-207.0				



<Case 88>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.145	0.150	1.311	1.165	1.290
WCDMA V_Ant 1	0.463	0.145	0.150	1.272	1.126	1.251
LTE Band 12_Ant 1	0.324	0.145	0.150	1.133	0.987	1.112
LTE Band 13_Ant 1	0.389	0.145	0.150	1.198	1.052	1.177
LTE Band 14_Ant 1	0.407	0.145	0.150	1.216	1.070	1.195
LTE Band 25_Ant 1	0.684	0.145	0.150	1.493	1.347	1.472
LTE Band 26_Ant 1	0.478	0.145	0.150	1.287	1.141	1.266
LTE Band 66_Ant 1	0.844	0.145	0.150	1.653	1.507	1.632
LTE Band 71_Ant 1	0.304	0.145	0.150	1.113	0.967	1.092
FR1 n12_Ant 1	0.228	0.145	0.150	1.037	0.891	1.016
FR1 n14_Ant 1	0.380	0.145	0.150	1.189	1.043	1.168
FR1 n25_Ant 1	0.836	0.145	0.150	1.645	1.499	1.624
FR1 n26_Ant 1	0.435	0.145	0.150	1.244	1.098	1.223
FR1 n41_Ant 1	0.694	0.145	0.150	1.503	1.357	1.482
FR1 n48_Ant 1	0.461	0.145	0.150	1.270	1.124	1.249
FR1 n66_Ant 1	0.628	0.145	0.150	1.437	1.291	1.416
FR1 n71_Ant 1	0.350	0.145	0.150	1.159	1.013	1.138
FR1 n77_Ant 1	0.400	0.145	0.150	1.209	1.063	1.188

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.7	1.65	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.139	13.0	27.5	-207.0				



<Case 89>

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
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.145	0.095	1.256	1.110	1.235
WCDMA V_Ant 1	0.463	0.145	0.095	1.217	1.071	1.196
LTE Band 12_Ant 1	0.324	0.145	0.095	1.078	0.932	1.057
LTE Band 13_Ant 1	0.389	0.145	0.095	1.143	0.997	1.122
LTE Band 14_Ant 1	0.407	0.145	0.095	1.161	1.015	1.140
LTE Band 25_Ant 1	0.684	0.145	0.095	1.438	1.292	1.417
LTE Band 26_Ant 1	0.478	0.145	0.095	1.232	1.086	1.211
LTE Band 66_Ant 1	0.844	0.145	0.095	1.598	1.452	1.577
LTE Band 71_Ant 1	0.304	0.145	0.095	1.058	0.912	1.037
FR1 n12_Ant 1	0.228	0.145	0.095	0.982	0.836	0.961
FR1 n14_Ant 1	0.380	0.145	0.095	1.134	0.988	1.113
FR1 n25_Ant 1	0.836	0.145	0.095	1.590	1.444	1.569
FR1 n26_Ant 1	0.435	0.145	0.095	1.189	1.043	1.168
FR1 n41_Ant 1	0.694	0.145	0.095	1.448	1.302	1.427
FR1 n48_Ant 1	0.461	0.145	0.095	1.215	1.069	1.194
FR1 n66_Ant 1	0.628	0.145	0.095	1.382	1.236	1.361
FR1 n71_Ant 1	0.350	0.145	0.095	1.104	0.958	1.083
FR1 n77_Ant 1	0.400	0.145	0.095	1.154	1.008	1.133

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	101.1	1.60	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.084	13.4	46.0	-207.0				



<Case 90>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.145	0.151	1.312	1.166	1.291
WCDMA V_Ant 1	0.463	0.145	0.151	1.273	1.127	1.252
LTE Band 12_Ant 1	0.324	0.145	0.151	1.134	0.988	1.113
LTE Band 13_Ant 1	0.389	0.145	0.151	1.199	1.053	1.178
LTE Band 14_Ant 1	0.407	0.145	0.151	1.217	1.071	1.196
LTE Band 25_Ant 1	0.684	0.145	0.151	1.494	1.348	1.473
LTE Band 26_Ant 1	0.478	0.145	0.151	1.288	1.142	1.267
LTE Band 66_Ant 1	0.844	0.145	0.151	1.654	1.508	1.633
LTE Band 71_Ant 1	0.304	0.145	0.151	1.114	0.968	1.093
FR1 n12_Ant 1	0.228	0.145	0.151	1.038	0.892	1.017
FR1 n14_Ant 1	0.380	0.145	0.151	1.190	1.044	1.169
FR1 n25_Ant 1	0.836	0.145	0.151	1.646	1.500	1.625
FR1 n26_Ant 1	0.435	0.145	0.151	1.245	1.099	1.224
FR1 n41_Ant 1	0.694	0.145	0.151	1.504	1.358	1.483
FR1 n48_Ant 1	0.461	0.145	0.151	1.271	1.125	1.250
FR1 n66_Ant 1	0.628	0.145	0.151	1.438	1.292	1.417
FR1 n71_Ant 1	0.350	0.145	0.151	1.160	1.014	1.139
FR1 n77_Ant 1	0.400	0.145	0.151	1.210	1.064	1.189

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.9	1.65	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.140	-7.5	27.5	-207.0				



<Case 91>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.145	0.150	1.119	1.113	1.256
WCDMA V_Ant 1	0.463	0.145	0.150	1.080	1.074	1.217
LTE Band 12_Ant 1	0.324	0.145	0.150	0.941	0.935	1.078
LTE Band 13_Ant 1	0.389	0.145	0.150	1.006	1.000	1.143
LTE Band 14_Ant 1	0.407	0.145	0.150	1.024	1.018	1.161
LTE Band 25_Ant 1	0.684	0.145	0.150	1.301	1.295	1.438
LTE Band 26_Ant 1	0.478	0.145	0.150	1.095	1.089	1.232
LTE Band 66_Ant 1	0.844	0.145	0.150	1.461	1.455	1.598
LTE Band 71_Ant 1	0.304	0.145	0.150	0.921	0.915	1.058
FR1 n12_Ant 1	0.228	0.145	0.150	0.845	0.839	0.982
FR1 n14_Ant 1	0.380	0.145	0.150	0.997	0.991	1.134
FR1 n25_Ant 1	0.836	0.145	0.150	1.453	1.447	1.590
FR1 n26_Ant 1	0.435	0.145	0.150	1.052	1.046	1.189
FR1 n41_Ant 1	0.694	0.145	0.150	1.311	1.305	1.448
FR1 n48_Ant 1	0.461	0.145	0.150	1.078	1.072	1.215
FR1 n66_Ant 1	0.628	0.145	0.150	1.245	1.239	1.382
FR1 n71_Ant 1	0.350	0.145	0.150	0.967	0.961	1.104
FR1 n77_Ant 1	0.400	0.145	0.150	1.017	1.011	1.154

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	100.1	1.60	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.139	-47.2	60.2	-207.0				



<Case 92>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.145	0.151	1.120	1.114	1.257
WCDMA V_Ant 1	0.463	0.145	0.151	1.081	1.075	1.218
LTE Band 12_Ant 1	0.324	0.145	0.151	0.942	0.936	1.079
LTE Band 13_Ant 1	0.389	0.145	0.151	1.007	1.001	1.144
LTE Band 14_Ant 1	0.407	0.145	0.151	1.025	1.019	1.162
LTE Band 25_Ant 1	0.684	0.145	0.151	1.302	1.296	1.439
LTE Band 26_Ant 1	0.478	0.145	0.151	1.096	1.090	1.233
LTE Band 66_Ant 1	0.844	0.145	0.151	1.462	1.456	1.599
LTE Band 71_Ant 1	0.304	0.145	0.151	0.922	0.916	1.059
FR1 n12_Ant 1	0.228	0.145	0.151	0.846	0.840	0.983
FR1 n14_Ant 1	0.380	0.145	0.151	0.998	0.992	1.135
FR1 n25_Ant 1	0.836	0.145	0.151	1.454	1.448	1.591
FR1 n26_Ant 1	0.435	0.145	0.151	1.053	1.047	1.190
FR1 n41_Ant 1	0.694	0.145	0.151	1.312	1.306	1.449
FR1 n48_Ant 1	0.461	0.145	0.151	1.079	1.073	1.216
FR1 n66_Ant 1	0.628	0.145	0.151	1.246	1.240	1.383
FR1 n71_Ant 1	0.350	0.145	0.151	0.968	0.962	1.105
FR1 n77_Ant 1	0.400	0.145	0.151	1.018	1.012	1.155

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	71.0	1.60	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.140	-66.0	32.5	-207.0				



<Case 93>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)			0.704	0.615	0.563	0.740	0.542	0.621	0.751	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.066	0.001	1.282	1.193	1.141	1.318	1.120	1.199	1.329	0.969	1.428	1.077	1.179	1.202	1.073	0.992
LTE Band 66_Ant 5	0.768	0.066	0.001	1.539	1.450	1.398	1.575	1.377	1.456	1.586	1.226	1.685	1.334	1.436	1.459	1.330	1.249
FR1 n25_Ant 5	0.654	0.066	0.001	1.425	1.336	1.284	1.461	1.263	1.342	1.472	1.112	1.571	1.220	1.322	1.345	1.216	1.135
FR1 n41_Ant 5	0.746	0.066	0.001	1.517	1.428	1.376	1.553	1.355	1.434	1.564	1.204	1.663	1.312	1.414	1.437	1.308	1.227
FR1 n48_Ant 5	0.450	0.066	0.001	1.221	1.132	1.080	1.257	1.059	1.138	1.268	0.908	1.367	1.016	1.118	1.141	1.012	0.931
FR1 n66_Ant 5	0.779	0.066	0.001	1.550	1.461	1.409	1.586	1.388	1.467	1.597	1.237	1.696	1.345	1.447	1.470	1.341	1.260
FR1 n77_Ant 5	0.451	0.066	0.001	1.222	1.133	1.081	1.258	1.060	1.139	1.269	0.909	1.368	1.017	1.119	1.142	1.013	0.932

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-26.8	55.0	-207.0	87.4	1.70	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	0.846	-28.4	-32.4	-207.0				

<Case 94>

SAR summation (blue colored) for each band of antenna 2,3,4,5

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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)			0.704	0.615	0.563	0.740	0.542	0.621	0.751	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.066	0.099	1.380	1.291	1.239	1.416	1.218	1.297	1.427	1.067	1.526	1.175	1.277	1.300	1.171	1.090
LTE Band 66_Ant 5	0.768	0.066	0.099	1.637	1.548	1.496	1.673	1.475	1.554	1.684	1.324	1.783	1.432	1.534	1.557	1.428	1.347
FR1 n25_Ant 5	0.654	0.066	0.099	1.523	1.434	1.382	1.559	1.361	1.440	1.570	1.210	1.669	1.318	1.420	1.443	1.314	1.233
FR1 n41_Ant 5	0.746	0.066	0.099	1.615	1.526	1.474	1.651	1.453	1.532	1.662	1.302	1.761	1.410	1.512	1.535	1.406	1.325
FR1 n48_Ant 5	0.450	0.066	0.099	1.319	1.230	1.178	1.355	1.157	1.236	1.366	1.006	1.465	1.114	1.216	1.239	1.110	1.029
FR1 n66_Ant 5	0.779	0.066	0.099	1.648	1.559	1.507	1.684	1.486	1.565	1.695	1.335	1.794	1.443	1.545	1.568	1.439	1.358
FR1 n77_Ant 5	0.451	0.066	0.099	1.320	1.231	1.179	1.356	1.158	1.237	1.367	1.007	1.466	1.115	1.217	1.240	1.111	1.030

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-25.6	47.6	-207.0	80.0	1.79	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	0.944	-28.4	-32.4	-207.0				

<Case 95>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Right Side	1g SAR (W/kg)			0.704	0.615	0.563	0.740	0.542	0.621	0.751	0.391	0.850	0.499	0.601	0.624	0.495	0.414
LTE Band 25_Ant 5	0.511	0.066	0.087	1.368	1.279	1.227	1.404	1.206	1.285	1.415	1.055	1.514	1.163	1.265	1.288	1.159	1.078
LTE Band 66_Ant 5	0.768	0.066	0.087	1.625	1.536	1.484	1.661	1.463	1.542	1.672	1.312	1.771	1.420	1.522	1.545	1.416	1.335
FR1 n25_Ant 5	0.654	0.066	0.087	1.511	1.422	1.370	1.547	1.349	1.428	1.558	1.198	1.657	1.306	1.408	1.431	1.302	1.221
FR1 n41_Ant 5	0.746	0.066	0.087	1.603	1.514	1.462	1.639	1.441	1.520	1.650	1.290	1.749	1.398	1.500	1.523	1.394	1.313
FR1 n48_Ant 5	0.450	0.066	0.087	1.307	1.218	1.166	1.343	1.145	1.224	1.354	0.994	1.453	1.102	1.204	1.227	1.098	1.017
FR1 n66_Ant 5	0.779	0.066	0.087	1.636	1.547	1.495	1.672	1.474	1.553	1.683	1.323	1.782	1.431	1.533	1.556	1.427	1.346
FR1 n77_Ant 5	0.451	0.066	0.087	1.308	1.219	1.167	1.344	1.146	1.225	1.355	0.995	1.454	1.103	1.205	1.228	1.099	1.018

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.850	-25.6	47.6	-207.0	68.6	1.78	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	0.932	-27.2	-21.0	-207.0				



<Case 96>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Right Side	1g SAR (W/kg)			0.553	0.671	0.526
LTE Band 25_Ant 5	0.511	0.066	0.099	1.229	1.347	1.202
LTE Band 66_Ant 5	0.768	0.066	0.099	1.486	1.604	1.459
FR1 n25_Ant 5	0.654	0.066	0.099	1.372	1.490	1.345
FR1 n41_Ant 5	0.746	0.066	0.099	1.464	1.582	1.437
FR1 n48_Ant 5	0.450	0.066	0.099	1.168	1.286	1.141
FR1 n66_Ant 5	0.779	0.066	0.099	1.497	1.615	1.470
FR1 n77_Ant 5	0.451	0.066	0.099	1.169	1.287	1.142

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.671	-23.6	50.5	-207.0	83.0	1.62	0.02	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	0.944	-28.4	-32.4	-207.0				

<Case 97>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Right Side	1g SAR (W/kg)			0.553	0.671	0.526
LTE Band 25_Ant 5	0.511	0.066	0.087	1.217	1.335	1.190
LTE Band 66_Ant 5	0.768	0.066	0.087	1.474	1.592	1.447
FR1 n25_Ant 5	0.654	0.066	0.087	1.360	1.478	1.333
FR1 n41_Ant 5	0.746	0.066	0.087	1.452	1.570	1.425
FR1 n48_Ant 5	0.450	0.066	0.087	1.156	1.274	1.129
FR1 n66_Ant 5	0.779	0.066	0.087	1.485	1.603	1.458
FR1 n77_Ant 5	0.451	0.066	0.087	1.157	1.275	1.130

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.671	-23.6	50.5	-207.0	71.6	1.60	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	0.932	-27.2	-21.0	-207.0				



<Case 98>

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

Exposure Position	WWAN SAR	GSM850 Ant 1	WCDMA V Ant 1	LTE Band 12 Ant 1	LTE Band 13 Ant 1	LTE Band 14 Ant 1	LTE Band 25 Ant 1	LTE Band 26 Ant 1	LTE Band 66 Ant 1	LTE Band 71 Ant 1	FR1 n12 Ant 1	FR1 n14 Ant 1	FR1 n25 Ant 1	FR1 n26 Ant 1	FR1 n41 Ant 1	FR1 n48 Ant 1	FR1 n66 Ant 1	FR1 n71 Ant 1	FR1 n77 Ant 1	NTN B23 Ant 1 Main
Back	1g SAR (W/kg)	0.590	0.463	0.324	0.389	0.407	0.978	0.478	0.992	0.304	0.228	0.380	0.982	0.435	0.815	0.567	0.738	0.350	0.977	0.432
GSM850_Ant 0	0.718	1.308	1.181	1.042	1.107	1.125	1.696	1.196	1.710	1.022	0.946	1.098	1.700	1.153	1.533	1.285	1.456	1.068	1.695	1.150
GSM1900_Ant 0	0.644	1.234	1.107	0.968	1.033	1.051	1.622	1.122	1.636	0.948	0.872	1.024	1.626	1.079	1.459	1.211	1.382	0.994	1.621	1.076
WCDMA II_Ant 0	0.914	1.504	1.377	1.238	1.303	1.321	1.892	1.392	1.906	1.218	1.142	1.294	1.896	1.349	1.729	1.481	1.652	1.264	1.891	1.346
WCDMA IV_Ant 0	0.818	1.408	1.281	1.142	1.207	1.225	1.796	1.296	1.810	1.122	1.046	1.198	1.800	1.253	1.633	1.385	1.556	1.168	1.795	1.250
WCDMA V_Ant 0	0.712	1.302	1.175	1.036	1.101	1.119	1.690	1.190	1.704	1.016	0.940	1.092	1.694	1.147	1.527	1.279	1.450	1.062	1.689	1.144
LTE Band 7_Ant 0	0.666	1.256	1.129	0.990	1.055	1.073	1.644	1.144	1.658	0.970	0.894	1.046	1.648	1.101	1.481	1.233	1.404	1.016	1.643	1.098
LTE Band 12_Ant 0	0.457	1.047	0.920	0.781	0.846	0.864	1.435	0.935	1.449	0.761	0.685	0.837	1.439	0.892	1.272	1.024	1.195	0.807	1.434	0.889
LTE Band 13_Ant 0	0.546	1.136	1.009	0.870	0.935	0.953	1.524	1.024	1.538	0.850	0.774	0.926	1.528	0.981	1.361	1.113	1.284	0.896	1.523	0.978
LTE Band 14_Ant 0	0.620	1.210	1.083	0.944	1.009	1.027	1.598	1.098	1.612	0.924	0.848	1.000	1.602	1.055	1.435	1.187	1.358	0.970	1.597	1.052
LTE Band 25_Ant 0	0.939	1.529	1.402	1.263	1.328	1.346	1.917	1.417	1.931	1.243	1.167	1.319	1.921	1.374	1.754	1.506	1.677	1.289	1.916	1.371
LTE Band 26_Ant 0	0.785	1.375	1.248	1.109	1.174	1.192	1.763	1.263	1.777	1.089	1.013	1.165	1.767	1.220	1.600	1.352	1.523	1.135	1.762	1.217
LTE Band 30_Ant 0	0.796	1.386	1.259	1.120	1.185	1.203	1.774	1.274	1.788	1.100	1.024	1.176	1.778	1.231	1.611	1.363	1.534	1.146	1.773	1.228
LTE Band 41_Ant 0	0.923	1.513	1.386	1.247	1.312	1.330	1.901	1.401	1.915	1.227	1.151	1.303	1.905	1.358	1.738	1.490	1.661	1.273	1.900	1.355
LTE Band 66_Ant 0	0.960	1.550	1.423	1.284	1.349	1.367	1.938	1.438	1.952	1.264	1.188	1.340	1.942	1.395	1.775	1.527	1.698	1.310	1.937	1.392
LTE Band 71_Ant 0	0.475	1.065	0.938	0.799	0.864	0.882	1.453	0.953	1.467	0.779	0.703	0.855	1.457	0.910	1.290	1.042	1.213	0.825	1.452	0.907
FR1 n7_Ant 0	0.694	1.284	1.157	1.018	1.083	1.101	1.672	1.172	1.686	0.998	0.922	1.074	1.676	1.129	1.509	1.261	1.432	1.044	1.671	1.126
FR1 n12_Ant 0	0.344	0.934	0.807	0.668	0.733	0.751	1.322	0.822	1.336	0.648	0.572	0.724	1.326	0.779	1.159	0.911	1.082	0.694	1.321	0.776
FR1 n14_Ant 0	0.561	1.151	1.024	0.885	0.950	0.968	1.539	1.039	1.553	0.865	0.789	0.941	1.543	0.996	1.376	1.128	1.299	0.911	1.538	0.993
FR1 n25_Ant 0	0.904	1.494	1.367	1.228	1.293	1.311	1.882	1.382	1.896	1.208	1.132	1.284	1.886	1.339	1.719	1.471	1.642	1.254	1.881	1.336
FR1 n26_Ant 0	0.732	1.322	1.195	1.056	1.121	1.139	1.710	1.210	1.724	1.036	0.960	1.112	1.714	1.167	1.547	1.299	1.470	1.082	1.709	1.164
FR1 n30_Ant 0	0.710	1.300	1.173	1.034	1.099	1.117	1.688	1.188	1.702	1.014	0.938	1.090	1.692	1.145	1.525	1.277	1.448	1.060	1.687	1.142
FR1 n41_Ant 0	0.698	1.288	1.161	1.022	1.087	1.105	1.676	1.176	1.690	1.002	0.926	1.078	1.680	1.133	1.513	1.265	1.436	1.048	1.675	1.130
FR1 n66_Ant 0	0.880	1.470	1.343	1.204	1.269	1.287	1.858	1.358	1.872	1.184	1.108	1.260	1.862	1.315	1.695	1.447	1.618	1.230	1.857	1.312
FR1 n70_Ant 0	0.651	1.241	1.114	0.975	1.040	1.058	1.629	1.129	1.643	0.955	0.879	1.031	1.633	1.086	1.466	1.218	1.389	1.001	1.628	1.083
FR1 n71_Ant 0	0.440	1.030	0.903	0.764	0.829	0.847	1.418	0.918	1.432	0.744	0.668	0.820	1.422	0.875	1.255	1.007	1.178	0.790	1.417	0.872

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.960	-15.0	-73.5	-207.0	139.1	1.95	0.02	Not required
WWAN_Ant 1	0.992	14.0	62.5	-207.0				



<Case 99>

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

Exposure Position	WWAN SAR	LTE Band 25 Ant 5	LTE Band 66 Ant 5	FR1 n25 Ant 5	FR1 n41 Ant 5	FR1 n48 Ant 5	FR1 n66 Ant 5	FR1 n77 Ant 5	NTN B255 Ant 5 Main
Back	1g SAR (W/kg)	0.421	0.664	0.487	0.621	0.385	0.781	0.627	0.086
GSM850_Ant 0	0.718	1.139	1.382	1.205	1.339	1.103	1.499	1.345	0.804
GSM1900_Ant 0	0.644	1.065	1.308	1.131	1.265	1.029	1.425	1.271	0.730
WCDMA II_Ant 0	0.914	1.335	1.578	1.401	1.535	1.299	1.695	1.541	1.000
WCDMA IV_Ant 0	0.818	1.239	1.482	1.305	1.439	1.203	1.599	1.445	0.904
WCDMA V_Ant 0	0.712	1.133	1.376	1.199	1.333	1.097	1.493	1.339	0.798
LTE Band 7_Ant 0	0.666	1.087	1.330	1.153	1.287	1.051	1.447	1.293	0.752
LTE Band 12_Ant 0	0.457	0.878	1.121	0.944	1.078	0.842	1.238	1.084	0.543
LTE Band 13_Ant 0	0.546	0.967	1.210	1.033	1.167	0.931	1.327	1.173	0.632
LTE Band 14_Ant 0	0.620	1.041	1.284	1.107	1.241	1.005	1.401	1.247	0.706
LTE Band 25_Ant 0	0.939	1.360	1.603	1.426	1.560	1.324	1.720	1.566	1.025
LTE Band 26_Ant 0	0.785	1.206	1.449	1.272	1.406	1.170	1.566	1.412	0.871
LTE Band 30_Ant 0	0.796	1.217	1.460	1.283	1.417	1.181	1.577	1.423	0.882
LTE Band 41_Ant 0	0.923	1.344	1.587	1.410	1.544	1.308	1.704	1.550	1.009
LTE Band 66_Ant 0	0.960	1.381	1.624	1.447	1.581	1.345	1.741	1.587	1.046
LTE Band 71_Ant 0	0.475	0.896	1.139	0.962	1.096	0.860	1.256	1.102	0.561
FR1 n7_Ant 0	0.694	1.115	1.358	1.181	1.315	1.079	1.475	1.321	0.780
FR1 n12_Ant 0	0.344	0.765	1.008	0.831	0.965	0.729	1.125	0.971	0.430
FR1 n14_Ant 0	0.561	0.982	1.225	1.048	1.182	0.946	1.342	1.188	0.647
FR1 n25_Ant 0	0.904	1.325	1.568	1.391	1.525	1.289	1.685	1.531	0.990
FR1 n26_Ant 0	0.732	1.153	1.396	1.219	1.353	1.117	1.513	1.359	0.818
FR1 n30_Ant 0	0.710	1.131	1.374	1.197	1.331	1.095	1.491	1.337	0.796
FR1 n41_Ant 0	0.698	1.119	1.362	1.185	1.319	1.083	1.479	1.325	0.784
FR1 n66_Ant 0	0.880	1.301	1.544	1.367	1.501	1.265	1.661	1.507	0.966
FR1 n70_Ant 0	0.651	1.072	1.315	1.138	1.272	1.036	1.432	1.278	0.737
FR1 n71_Ant 0	0.440	0.861	1.104	0.927	1.061	0.825	1.221	1.067	0.526

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 0	0.960	-20.4	-73.9	-207.0	117.3	1.74	0.02	Not required
WWAN_Ant 5	0.781	-62.4	35.6	-207.0				



<Case 100>

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

Exposure Position	WWAN SAR	GSM1900 Ant 2	WCDMA Ant 2	WCDMA II Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)	0.626	0.622	0.577	0.571	0.416	0.613	0.623	0.441	0.630	0.479	0.627	0.564	0.623	0.519
GSM850_Ant 1	0.590	1.216	1.212	1.167	1.161	1.006	1.203	1.213	1.031	1.220	1.069	1.217	1.154	1.213	1.109
WCDMA V_Ant 1	0.463	1.089	1.085	1.040	1.034	0.879	1.076	1.086	0.904	1.093	0.942	1.090	1.027	1.086	0.982
LTE Band 12_Ant 1	0.324	0.950	0.946	0.901	0.895	0.740	0.937	0.947	0.765	0.954	0.803	0.951	0.888	0.947	0.843
LTE Band 13_Ant 1	0.389	1.015	1.011	0.966	0.960	0.805	1.002	1.012	0.830	1.019	0.868	1.016	0.953	1.012	0.908
LTE Band 14_Ant 1	0.407	1.033	1.029	0.984	0.978	0.823	1.020	1.030	0.848	1.037	0.886	1.034	0.971	1.030	0.926
LTE Band 25_Ant 1	0.978	1.604	1.600	1.555	1.549	1.394	1.591	1.601	1.419	1.608	1.457	1.605	1.542	1.601	1.497
LTE Band 26_Ant 1	0.478	1.104	1.100	1.055	1.049	0.894	1.091	1.101	0.919	1.108	0.957	1.105	1.042	1.101	0.997
LTE Band 66_Ant 1	0.992	1.618	1.614	1.569	1.563	1.408	1.605	1.615	1.433	1.622	1.471	1.619	1.556	1.615	1.511
LTE Band 71_Ant 1	0.304	0.930	0.926	0.881	0.875	0.720	0.917	0.927	0.745	0.934	0.783	0.931	0.868	0.927	0.823
FR1 n12_Ant 1	0.228	0.854	0.850	0.805	0.799	0.644	0.841	0.851	0.669	0.858	0.707	0.855	0.792	0.851	0.747
FR1 n14_Ant 1	0.380	1.006	1.002	0.957	0.951	0.796	0.993	1.003	0.821	1.010	0.859	1.007	0.944	1.003	0.899
FR1 n25_Ant 1	0.982	1.608	1.604	1.559	1.553	1.398	1.595	1.605	1.423	1.612	1.461	1.609	1.546	1.605	1.501
FR1 n26_Ant 1	0.435	1.061	1.057	1.012	1.006	0.851	1.048	1.058	0.876	1.065	0.914	1.062	0.999	1.058	0.954
FR1 n41_Ant 1	0.815	1.441	1.437	1.392	1.386	1.231	1.428	1.438	1.256	1.445	1.294	1.442	1.379	1.438	1.334
FR1 n48_Ant 1	0.567	1.193	1.189	1.144	1.138	0.983	1.180	1.190	1.008	1.197	1.046	1.194	1.131	1.190	1.086
FR1 n66_Ant 1	0.738	1.364	1.360	1.315	1.309	1.154	1.351	1.361	1.179	1.368	1.217	1.365	1.302	1.361	1.257
FR1 n71_Ant 1	0.350	0.976	0.972	0.927	0.921	0.766	0.963	0.973	0.791	0.980	0.829	0.977	0.914	0.973	0.869
FR1 n77_Ant 1	0.977	1.603	1.599	1.554	1.548	1.393	1.590	1.600	1.418	1.607	1.456	1.604	1.541	1.600	1.496
NTN B23_Ant 1 Main	0.432	1.058	1.054	1.009	1.003	0.848	1.045	1.055	0.873	1.062	0.911	1.059	0.996	1.055	0.951

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.992	-34.5	80.0	-207.0	128.9	1.62	0.02	Not required
WWAN_Ant 2	0.630	-59.0	-46.5	-207.0				



<Case 101>

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

Exposure Position	WWAN SAR	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)	0.604	0.432	0.579
GSM850_Ant 1	0.590	1.194	1.022	1.169
WCDMA V_Ant 1	0.463	1.067	0.895	1.042
LTE Band 12_Ant 1	0.324	0.928	0.756	0.903
LTE Band 13_Ant 1	0.389	0.993	0.821	0.968
LTE Band 14_Ant 1	0.407	1.011	0.839	0.986
LTE Band 25_Ant 1	0.978	1.582	1.410	1.557
LTE Band 26_Ant 1	0.478	1.082	0.910	1.057
LTE Band 66_Ant 1	0.992	1.596	1.424	1.571
LTE Band 71_Ant 1	0.304	0.908	0.736	0.883
FR1 n12_Ant 1	0.228	0.832	0.660	0.807
FR1 n14_Ant 1	0.380	0.984	0.812	0.959
FR1 n25_Ant 1	0.982	1.586	1.414	1.561
FR1 n26_Ant 1	0.435	1.039	0.867	1.014
FR1 n41_Ant 1	0.815	1.419	1.247	1.394
FR1 n48_Ant 1	0.567	1.171	0.999	1.146
FR1 n66_Ant 1	0.738	1.342	1.170	1.317
FR1 n71_Ant 1	0.350	0.954	0.782	0.929
FR1 n77_Ant 1	0.470	1.074	0.902	1.049
NTN B23_Ant 1 Main	0.432	1.036	0.864	1.011

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN_Ant 1	0.992	4.6	78.9	-207.0	133.4	1.60	0.02	Not required
WWAN_Ant 6	0.604	2.0	-54.5	-207.0				



<Case 102>

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
GSM850_Ant 1	0.502	0.351	1.464	1.401	1.631	1.550	1.533	1.420	1.310	1.399	1.473	1.652	1.603	1.531	1.639	1.670	1.328	1.444	1.197	1.414	1.622	1.585	1.457	1.447	1.602	1.407	1.293
WCDMA V_Ant 1	0.463	0.351	1.425	1.362	1.592	1.511	1.494	1.381	1.271	1.360	1.434	1.613	1.564	1.492	1.600	1.631	1.289	1.405	1.158	1.375	1.583	1.546	1.418	1.408	1.563	1.368	1.254
LTE Band 12_Ant 1	0.324	0.351	1.286	1.223	1.453	1.372	1.355	1.242	1.132	1.221	1.295	1.474	1.425	1.353	1.461	1.492	1.150	1.266	1.019	1.236	1.444	1.407	1.279	1.269	1.424	1.229	1.115
LTE Band 13_Ant 1	0.389	0.351	1.351	1.288	1.518	1.437	1.420	1.307	1.197	1.286	1.360	1.539	1.490	1.418	1.526	1.557	1.215	1.331	1.084	1.301	1.509	1.472	1.344	1.334	1.488	1.294	1.180
LTE Band 14_Ant 1	0.407	0.351	1.369	1.306	1.536	1.455	1.438	1.325	1.215	1.304	1.378	1.557	1.508	1.436	1.544	1.575	1.233	1.349	1.102	1.319	1.527	1.490	1.362	1.352	1.507	1.312	1.198
LTE Band 25_Ant 1	0.684	0.351	1.646	1.583	1.813	1.732	1.715	1.602	1.492	1.581	1.655	1.834	1.785	1.713	1.821	1.852	1.510	1.626	1.379	1.596	1.804	1.767	1.639	1.629	1.784	1.589	1.475
LTE Band 26_Ant 1	0.478	0.351	1.440	1.377	1.607	1.526	1.509	1.396	1.286	1.375	1.449	1.628	1.579	1.507	1.615	1.646	1.304	1.420	1.173	1.390	1.598	1.561	1.433	1.423	1.578	1.383	1.269
LTE Band 66_Ant 1	0.844	0.351	1.806	1.743	1.973	1.892	1.875	1.762	1.652	1.741	1.815	1.994	1.945	1.873	1.981	2.012	1.670	1.786	1.539	1.756	1.964	1.927	1.799	1.789	1.944	1.749	1.635
LTE Band 71_Ant 1	0.304	0.351	1.266	1.203	1.433	1.352	1.335	1.222	1.112	1.201	1.275	1.454	1.405	1.333	1.441	1.472	1.130	1.246	0.999	1.216	1.424	1.387	1.259	1.249	1.404	1.209	1.095
FR1 n12_Ant 1	0.228	0.351	1.190	1.127	1.357	1.276	1.259	1.146	1.036	1.125	1.199	1.378	1.329	1.257	1.365	1.396	1.054	1.170	0.923	1.140	1.348	1.311	1.183	1.173	1.328	1.133	1.019
FR1 n14_Ant 1	0.380	0.351	1.342	1.279	1.509	1.428	1.411	1.298	1.188	1.277	1.351	1.530	1.481	1.409	1.517	1.548	1.206	1.322	1.075	1.292	1.500	1.463	1.335	1.325	1.480	1.285	1.171
FR1 n25_Ant 1	0.836	0.351	1.798	1.735	1.965	1.884	1.867	1.754	1.644	1.733	1.807	1.986	1.937	1.865	1.973	2.004	1.662	1.778	1.531	1.748	1.956	1.919	1.791	1.781	1.936	1.741	1.627
FR1 n26_Ant 1	0.435	0.351	1.397	1.334	1.564	1.483	1.466	1.353	1.243	1.332	1.406	1.585	1.536	1.464	1.572	1.603	1.261	1.377	1.130	1.347	1.555	1.518	1.390	1.380	1.535	1.340	1.226
FR1 n41_Ant 1	0.694	0.351	1.656	1.593	1.823	1.742	1.725	1.612	1.502	1.591	1.665	1.844	1.795	1.723	1.831	1.862	1.520	1.636	1.389	1.606	1.814	1.777	1.649	1.639	1.794	1.599	1.485
FR1 n48_Ant 1	0.567	0.351	1.529	1.466	1.696	1.615	1.598	1.485	1.375	1.464	1.538	1.717	1.668	1.596	1.704	1.735	1.393	1.509	1.262	1.479	1.687	1.650	1.522	1.512	1.667	1.472	1.358
FR1 n66_Ant 1	0.628	0.351	1.590	1.527	1.757	1.676	1.659	1.546	1.436	1.525	1.599	1.778	1.729	1.657	1.765	1.796	1.454	1.570	1.323	1.540	1.748	1.711	1.583	1.573	1.728	1.533	1.419
FR1 n71_Ant 1	0.350	0.351	1.312	1.249	1.479	1.398	1.381	1.268	1.158	1.247	1.321	1.500	1.451	1.379	1.487	1.518	1.176	1.292	1.045	1.262	1.470	1.433	1.305	1.295	1.450	1.255	1.141
FR1 n77_Ant 1	0.831	0.351	1.793	1.730	1.960	1.879	1.862	1.749	1.639	1.728	1.802	1.981	1.932	1.860	1.968	1.999	1.657	1.773	1.526	1.743	1.951	1.914	1.786	1.776	1.931	1.736	1.622

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	104.3	2.01	0.03	Not required
Max WWAN Ant 1 + WLAN 2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 103>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
GSM850_Ant 1	0.502	0.270	1.383	1.320	1.550	1.469	1.452	1.339	1.229	1.318	1.392	1.571	1.522	1.450	1.558	1.589	1.247	1.363	1.116	1.333	1.541	1.504	1.376	1.366	1.521	1.326	1.212
WCDMA V_Ant 1	0.463	0.270	1.344	1.281	1.511	1.430	1.413	1.300	1.190	1.279	1.353	1.532	1.483	1.411	1.519	1.550	1.208	1.324	1.077	1.294	1.502	1.465	1.337	1.327	1.482	1.287	1.173
LTE Band 12_Ant 1	0.324	0.270	1.205	1.142	1.372	1.291	1.274	1.161	1.051	1.140	1.214	1.393	1.344	1.272	1.380	1.411	1.069	1.185	0.938	1.155	1.363	1.326	1.198	1.188	1.343	1.148	1.034
LTE Band 13_Ant 1	0.389	0.270	1.270	1.207	1.437	1.356	1.339	1.226	1.116	1.205	1.279	1.458	1.409	1.337	1.445	1.476	1.134	1.250	1.003	1.220	1.428	1.391	1.263	1.253	1.408	1.213	1.099
LTE Band 14_Ant 1	0.407	0.270	1.288	1.225	1.455	1.374	1.357	1.244	1.134	1.223	1.297	1.476	1.427	1.355	1.463	1.494	1.152	1.268	1.021	1.238	1.446	1.409	1.281	1.271	1.426	1.231	1.117
LTE Band 25_Ant 1	0.684	0.270	1.565	1.502	1.732	1.651	1.634	1.521	1.411	1.500	1.574	1.753	1.704	1.632	1.740	1.771	1.429	1.545	1.298	1.515	1.723	1.686	1.558	1.548	1.703	1.508	1.394
LTE Band 26_Ant 1	0.478	0.270	1.359	1.296	1.526	1.445	1.428	1.315	1.205	1.294	1.368	1.547	1.498	1.426	1.534	1.565	1.223	1.339	1.092	1.309	1.517	1.480	1.352	1.342	1.497	1.302	1.188
LTE Band 66_Ant 1	0.844	0.270	1.725	1.662	1.892	1.811	1.794	1.681	1.571	1.660	1.734	1.913	1.864	1.792	1.900	1.931	1.589	1.705	1.458	1.675	1.883	1.846	1.718	1.708	1.863	1.668	1.554
LTE Band 71_Ant 1	0.304	0.270	1.185	1.122	1.352	1.271	1.254	1.141	1.031	1.120	1.194	1.373	1.324	1.252	1.360	1.391	1.049	1.165	0.918	1.135	1.343	1.306	1.178	1.168	1.323	1.128	1.014
FR1 n12_Ant 1	0.228	0.270	1.109	1.046	1.276	1.195	1.178	1.065	0.955	1.044	1.118	1.297	1.248	1.176	1.284	1.315	0.973	1.089	0.842	1.059	1.267	1.230	1.102	1.092	1.247	1.052	0.938
FR1 n14_Ant 1	0.380	0.270	1.261	1.198	1.428	1.347	1.330	1.217	1.107	1.196	1.270	1.449	1.400	1.328	1.436	1.467	1.125	1.241	0.994	1.211	1.419	1.382	1.254	1.244	1.398	1.204	1.090
FR1 n25_Ant 1	0.836	0.270	1.717	1.654	1.884	1.803	1.786	1.673	1.563	1.652	1.726	1.905	1.856	1.784	1.892	1.923	1.581	1.697	1.450	1.667	1.875	1.838	1.710	1.700	1.855	1.660	1.546
FR1 n26_Ant 1	0.435	0.270	1.316	1.253	1.483	1.402	1.385	1.272	1.162	1.251	1.325	1.504	1.455	1.383	1.491	1.522	1.180	1.296	1.049	1.266	1.474	1.437	1.309	1.299	1.454	1.259	1.145
FR1 n41_Ant 1	0.694	0.270	1.575	1.512	1.742	1.661	1.644	1.531	1.421	1.510	1.584	1.763	1.714	1.642	1.750	1.781	1.439	1.555	1.308	1.525	1.733	1.696	1.568	1.558	1.713	1.518	1.404
FR1 n48_Ant 1	0.567	0.270	1.448	1.385	1.615	1.534	1.517	1.404	1.294	1.383	1.457	1.636	1.587	1.515	1.623	1.654	1.312	1.428	1.181	1.398	1.606	1.569	1.441	1.431	1.586	1.391	1.277
FR1 n66_Ant 1	0.628	0.270	1.509	1.446	1.676	1.595	1.578	1.465	1.355	1.444	1.518	1.697	1.648	1.576	1.684	1.715	1.373	1.489	1.242	1.459	1.667	1.630	1.502	1.492	1.647	1.452	1.338
FR1 n71_Ant 1	0.350	0.270	1.231	1.168	1.398	1.317	1.300	1.187	1.077	1.166	1.240	1.419	1.370	1.298	1.406	1.437	1.095	1.211	0.964	1.181	1.389	1.352	1.224	1.214	1.369	1.174	1.060
FR1 n77_Ant 1	0.831	0.270	1.712	1.649	1.879	1.798	1.781	1.668	1.558	1.647	1.721	1.900	1.851	1.779	1.887	1.918	1.576	1.692	1.445	1.662	1.870	1.833	1.705	1.695	1.850	1.655	1.541

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-21.5	-72.5	-207.0	112.0	1.93	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4	1.114	-60.5	32.5	-207.0				



<Case 104>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
GSM850_Ant 1	0.502	0.362	1.475	1.412	1.642	1.561	1.544	1.431	1.321	1.410	1.484	1.663	1.614	1.542	1.650	1.681	1.339	1.455	1.208	1.425	1.633	1.596	1.468	1.458	1.613	1.418	1.304
WCDMA V_Ant 1	0.463	0.362	1.436	1.373	1.603	1.522	1.505	1.392	1.282	1.371	1.445	1.624	1.575	1.503	1.611	1.642	1.300	1.416	1.169	1.386	1.594	1.557	1.429	1.419	1.574	1.379	1.265
LTE Band 12_Ant 1	0.324	0.362	1.297	1.234	1.464	1.383	1.366	1.253	1.143	1.232	1.306	1.485	1.436	1.364	1.472	1.503	1.161	1.277	1.030	1.247	1.455	1.418	1.290	1.280	1.435	1.240	1.126
LTE Band 13_Ant 1	0.389	0.362	1.362	1.299	1.529	1.448	1.431	1.318	1.208	1.297	1.371	1.550	1.501	1.429	1.537	1.568	1.226	1.342	1.095	1.312	1.520	1.483	1.355	1.345	1.500	1.305	1.191
LTE Band 14_Ant 1	0.407	0.362	1.380	1.317	1.547	1.466	1.449	1.336	1.226	1.315	1.389	1.568	1.519	1.447	1.555	1.586	1.244	1.360	1.113	1.330	1.538	1.501	1.373	1.363	1.518	1.323	1.209
LTE Band 25_Ant 1	0.684	0.362	1.657	1.594	1.824	1.743	1.726	1.613	1.503	1.592	1.666	1.845	1.796	1.724	1.832	1.863	1.521	1.637	1.390	1.607	1.815	1.778	1.650	1.640	1.795	1.600	1.486
LTE Band 26_Ant 1	0.478	0.362	1.451	1.388	1.618	1.537	1.520	1.407	1.297	1.386	1.460	1.639	1.590	1.518	1.626	1.657	1.315	1.431	1.184	1.401	1.609	1.572	1.444	1.434	1.589	1.394	1.280
LTE Band 66_Ant 1	0.844	0.362	1.817	1.754	1.984	1.903	1.886	1.773	1.663	1.752	1.826	2.005	1.956	1.884	1.992	2.023	1.681	1.797	1.550	1.767	1.975	1.938	1.810	1.800	1.955	1.760	1.646
LTE Band 71_Ant 1	0.304	0.362	1.277	1.214	1.444	1.363	1.346	1.233	1.123	1.212	1.286	1.465	1.416	1.344	1.452	1.483	1.141	1.257	1.010	1.227	1.435	1.398	1.270	1.260	1.415	1.220	1.106
FR1 n12_Ant 1	0.228	0.362	1.201	1.138	1.368	1.287	1.270	1.157	1.047	1.136	1.210	1.389	1.340	1.268	1.376	1.407	1.065	1.181	0.934	1.151	1.359	1.322	1.194	1.184	1.339	1.144	1.030
FR1 n14_Ant 1	0.380	0.362	1.353	1.290	1.520	1.439	1.422	1.309	1.199	1.288	1.362	1.541	1.492	1.420	1.528	1.559	1.217	1.333	1.086	1.303	1.511	1.474	1.346	1.336	1.491	1.296	1.182
FR1 n25_Ant 1	0.836	0.362	1.809	1.746	1.976	1.895	1.878	1.765	1.655	1.744	1.818	1.997	1.948	1.876	1.984	2.015	1.673	1.789	1.542	1.759	1.967	1.930	1.802	1.792	1.947	1.752	1.638
FR1 n26_Ant 1	0.435	0.362	1.408	1.345	1.575	1.494	1.477	1.364	1.254	1.343	1.417	1.596	1.547	1.475	1.583	1.614	1.272	1.388	1.141	1.358	1.566	1.529	1.401	1.391	1.546	1.351	1.237
FR1 n41_Ant 1	0.694	0.362	1.667	1.604	1.834	1.753	1.736	1.623	1.513	1.602	1.676	1.855	1.806	1.734	1.842	1.873	1.531	1.647	1.400	1.617	1.825	1.788	1.660	1.650	1.805	1.610	1.496
FR1 n48_Ant 1	0.567	0.362	1.540	1.477	1.707	1.626	1.609	1.496	1.386	1.475	1.549	1.728	1.679	1.607	1.715	1.746	1.404	1.520	1.273	1.490	1.698	1.661	1.533	1.523	1.678	1.483	1.369
FR1 n66_Ant 1	0.628	0.362	1.601	1.538	1.768	1.687	1.670	1.557	1.447	1.536	1.610	1.789	1.740	1.668	1.776	1.807	1.465	1.581	1.334	1.551	1.759	1.722	1.594	1.584	1.739	1.544	1.430
FR1 n71_Ant 1	0.350	0.362	1.323	1.260	1.490	1.409	1.392	1.279	1.169	1.258	1.332	1.511	1.462	1.390	1.498	1.529	1.187	1.303	1.056	1.273	1.481	1.444	1.316	1.306	1.461	1.266	1.152
FR1 n77_Ant 1	0.831	0.362	1.804	1.741	1.971	1.890	1.873	1.760	1.650	1.739	1.813	1.992	1.943	1.871	1.979	2.010	1.668	1.784	1.537	1.754	1.962	1.925	1.797	1.787	1.942	1.747	1.633

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	105.1	2.02	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	14.0	27.5	-207.0				



<Case 105>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)		0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.392	1.505	1.442	1.672	1.591	1.574	1.461	1.351	1.440	1.514	1.693	1.644	1.572	1.680	1.711	1.369	1.485	1.238	1.455	1.663	1.626	1.498	1.488	1.643	1.448	1.334
WCDMA V_Ant 1	0.463	0.392	1.466	1.403	1.633	1.552	1.535	1.422	1.312	1.401	1.475	1.654	1.605	1.533	1.641	1.672	1.330	1.446	1.199	1.416	1.624	1.587	1.459	1.449	1.604	1.409	1.295
LTE Band 12_Ant 1	0.324	0.392	1.327	1.264	1.494	1.413	1.396	1.283	1.173	1.262	1.336	1.515	1.466	1.394	1.502	1.533	1.191	1.307	1.060	1.277	1.485	1.448	1.320	1.310	1.465	1.270	1.156
LTE Band 13_Ant 1	0.389	0.392	1.392	1.329	1.559	1.478	1.461	1.348	1.238	1.327	1.401	1.580	1.531	1.459	1.567	1.598	1.256	1.372	1.125	1.342	1.550	1.513	1.385	1.375	1.530	1.335	1.221
LTE Band 14_Ant 1	0.407	0.392	1.410	1.347	1.577	1.496	1.479	1.366	1.256	1.345	1.419	1.598	1.549	1.477	1.585	1.616	1.274	1.390	1.143	1.360	1.568	1.531	1.403	1.393	1.548	1.353	1.239
LTE Band 25_Ant 1	0.684	0.392	1.687	1.624	1.854	1.773	1.756	1.643	1.533	1.622	1.696	1.875	1.826	1.754	1.862	1.893	1.551	1.667	1.420	1.637	1.845	1.808	1.680	1.670	1.825	1.630	1.516
LTE Band 26_Ant 1	0.478	0.392	1.481	1.418	1.648	1.567	1.550	1.437	1.327	1.416	1.490	1.669	1.620	1.548	1.656	1.687	1.345	1.461	1.214	1.431	1.639	1.602	1.474	1.464	1.619	1.424	1.310
LTE Band 66_Ant 1	0.844	0.392	1.847	1.784	2.014	1.933	1.916	1.803	1.693	1.782	1.856	2.035	1.986	1.914	2.022	2.053	1.711	1.827	1.580	1.797	2.005	1.968	1.840	1.830	1.985	1.790	1.676
LTE Band 71_Ant 1	0.304	0.392	1.307	1.244	1.474	1.393	1.376	1.263	1.153	1.242	1.316	1.495	1.446	1.374	1.482	1.513	1.171	1.287	1.040	1.257	1.465	1.428	1.300	1.290	1.445	1.250	1.136
FR1 n12_Ant 1	0.228	0.392	1.231	1.168	1.398	1.317	1.300	1.187	1.077	1.166	1.240	1.419	1.370	1.298	1.406	1.437	1.095	1.211	0.964	1.181	1.389	1.352	1.224	1.214	1.369	1.174	1.060
FR1 n14_Ant 1	0.380	0.392	1.383	1.320	1.550	1.469	1.452	1.339	1.229	1.318	1.392	1.571	1.522	1.450	1.558	1.589	1.247	1.363	1.116	1.333	1.541	1.504	1.376	1.366	1.521	1.326	1.212
FR1 n25_Ant 1	0.836	0.392	1.839	1.776	2.006	1.925	1.908	1.795	1.685	1.774	1.848	2.027	1.978	1.906	2.014	2.045	1.703	1.819	1.572	1.789	1.997	1.960	1.832	1.822	1.977	1.782	1.668
FR1 n26_Ant 1	0.435	0.392	1.438	1.375	1.605	1.524	1.507	1.394	1.284	1.373	1.447	1.626	1.577	1.505	1.613	1.644	1.302	1.418	1.171	1.388	1.596	1.559	1.431	1.421	1.576	1.381	1.267
FR1 n41_Ant 1	0.694	0.392	1.697	1.634	1.864	1.783	1.766	1.653	1.543	1.632	1.706	1.885	1.836	1.764	1.872	1.903	1.561	1.677	1.430	1.647	1.855	1.818	1.690	1.680	1.835	1.640	1.526
FR1 n48_Ant 1	0.567	0.392	1.570	1.507	1.737	1.656	1.639	1.526	1.416	1.505	1.579	1.758	1.709	1.637	1.745	1.776	1.434	1.550	1.303	1.520	1.728	1.691	1.563	1.553	1.708	1.513	1.399
FR1 n66_Ant 1	0.628	0.392	1.631	1.568	1.798	1.717	1.700	1.587	1.477	1.566	1.640	1.819	1.770	1.698	1.806	1.837	1.495	1.611	1.364	1.581	1.789	1.752	1.624	1.614	1.769	1.574	1.460
FR1 n71_Ant 1	0.350	0.392	1.353	1.290	1.520	1.439	1.422	1.309	1.199	1.288	1.362	1.541	1.492	1.420	1.528	1.559	1.217	1.333	1.086	1.303	1.511	1.474	1.346	1.336	1.491	1.296	1.182
FR1 n77_Ant 1	0.831	0.392	1.834	1.771	2.001	1.920	1.903	1.790	1.680	1.769	1.843	2.022	1.973	1.901	2.009	2.040	1.698	1.814	1.567	1.784	1.992	1.955	1.827	1.817	1.972	1.777	1.663

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	124.7	2.05	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	-2.4	50.6	-207.0				



<Case 106>

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

Table with 22 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and 22 rows of SAR data.

SPLSR calculation for above summation SAR>1.6W/kg

Table with 8 columns: Combination, SAR, SAR peak location (mm) [X, Y, Z], 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows for WWAN_Ant 0 + 2 and WLAN2.4GHz Ant 3.

<Case 107>

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

Table with 22 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and 22 rows of SAR data.

SPLSR calculation for above summation SAR>1.6W/kg

Table with 8 columns: Combination, SAR, SAR peak location (mm) [X, Y, Z], 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows for WWAN_Ant 0 + 2 and WLAN2.4GHz Ant 4.



<Case 108>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4+3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7_Ant 0, FR1 n12_Ant 0, FR1 n14_Ant 0, FR1 n25_Ant 0, FR1 n26_Ant 0, FR1 n30_Ant 0, FR1 n41_Ant 0, FR1 n66_Ant 0, FR1 n70_Ant 0, FR1 n71_Ant 0) and 24 rows of SAR data.

SPLSR calculation for above summation SAR>1.6W/kg

Table with 9 columns: Combination, SAR, SAR peak location (mm) (X, Y, Z), 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include WWAN_Ant 0 + 2 and WLAN2.4GHz Ant 4+3.

<Case 109>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 5G/6GHz Ant 4+3, GSM850 Ant 0, GSM1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7_Ant 0, FR1 n12_Ant 0, FR1 n14_Ant 0, FR1 n25_Ant 0, FR1 n26_Ant 0, FR1 n30_Ant 0, FR1 n41_Ant 0, FR1 n66_Ant 0, FR1 n70_Ant 0, FR1 n71_Ant 0) and 24 rows of SAR data.

SPLSR calculation for above summation SAR>1.6W/kg

Table with 9 columns: Combination, SAR, SAR peak location (mm) (X, Y, Z), 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include WWAN_Ant 0 + 2 and WLAN5/6GHz Ant 4+3.

<Case 110>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 A Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
LTE Band 25_Ant 5	0.375	0.351	1.337	1.274	1.504	1.423	1.406	1.293	1.183	1.272	1.346	1.525	1.476	1.404	1.512	1.543	1.201	1.317	1.070	1.287	1.495	1.458	1.330	1.320	1.475	1.280	1.166
LTE Band 66_Ant 5	0.664	0.351	1.626	1.563	1.793	1.712	1.695	1.582	1.472	1.561	1.635	1.814	1.765	1.693	1.801	1.832	1.490	1.606	1.359	1.576	1.784	1.747	1.619	1.609	1.764	1.569	1.455
FR1 n25_Ant 5	0.487	0.351	1.449	1.386	1.616	1.535	1.518	1.405	1.295	1.384	1.458	1.637	1.588	1.516	1.624	1.655	1.313	1.429	1.182	1.399	1.607	1.570	1.442	1.432	1.587	1.392	1.278
FR1 n41_Ant 5	0.529	0.351	1.491	1.428	1.658	1.577	1.560	1.447	1.337	1.426	1.500	1.679	1.630	1.558	1.666	1.697	1.365	1.471	1.224	1.441	1.649	1.612	1.484	1.474	1.629	1.434	1.320
FR1 n48_Ant 5	0.385	0.351	1.347	1.284	1.514	1.433	1.416	1.303	1.193	1.282	1.356	1.535	1.486	1.414	1.522	1.553	1.211	1.327	1.080	1.297	1.505	1.468	1.340	1.330	1.485	1.290	1.176
FR1 n66_Ant 5	0.649	0.351	1.611	1.548	1.778	1.697	1.680	1.567	1.457	1.546	1.620	1.799	1.750	1.678	1.786	1.817	1.475	1.591	1.344	1.561	1.769	1.732	1.604	1.594	1.749	1.554	1.440
FR1 n77_Ant 5	0.627	0.351	1.589	1.526	1.756	1.675	1.658	1.545	1.435	1.524	1.598	1.777	1.728	1.656	1.764	1.795	1.453	1.569	1.322	1.539	1.747	1.710	1.582	1.572	1.727	1.532	1.418

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	104.3	1.83	0.02	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 3	1.015	11.0	27.5	-207.0				

<Case 111>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 A Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
LTE Band 25_Ant 5	0.375	0.270	1.256	1.193	1.423	1.342	1.325	1.212	1.102	1.191	1.265	1.444	1.395	1.323	1.431	1.462	1.120	1.236	0.989	1.206	1.414	1.377	1.249	1.239	1.394	1.199	1.085
LTE Band 66_Ant 5	0.664	0.270	1.545	1.482	1.712	1.631	1.614	1.501	1.391	1.480	1.554	1.733	1.684	1.612	1.720	1.751	1.409	1.525	1.278	1.495	1.703	1.666	1.538	1.528	1.683	1.488	1.374
FR1 n25_Ant 5	0.487	0.270	1.368	1.305	1.535	1.454	1.437	1.324	1.214	1.303	1.377	1.556	1.507	1.435	1.543	1.574	1.232	1.348	1.101	1.318	1.526	1.489	1.361	1.351	1.506	1.311	1.197
FR1 n41_Ant 5	0.529	0.270	1.410	1.347	1.577	1.496	1.479	1.366	1.256	1.345	1.419	1.598	1.549	1.477	1.585	1.616	1.274	1.390	1.143	1.360	1.568	1.531	1.403	1.393	1.548	1.353	1.239
FR1 n48_Ant 5	0.385	0.270	1.266	1.203	1.433	1.352	1.335	1.222	1.112	1.201	1.275	1.454	1.405	1.333	1.441	1.472	1.130	1.246	0.999	1.216	1.424	1.387	1.259	1.249	1.404	1.209	1.095
FR1 n66_Ant 5	0.649	0.270	1.530	1.467	1.697	1.616	1.599	1.486	1.376	1.465	1.539	1.718	1.669	1.597	1.705	1.736	1.394	1.510	1.263	1.480	1.688	1.651	1.523	1.513	1.668	1.473	1.359
FR1 n77_Ant 5	0.627	0.270	1.508	1.445	1.675	1.594	1.577	1.464	1.354	1.443	1.517	1.696	1.647	1.575	1.683	1.714	1.372	1.488	1.241	1.458	1.666	1.629	1.501	1.491	1.646	1.451	1.337

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-20.4	-73.9	-207.0	113.7	1.75	0.02	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4	0.934	-60.5	32.5	-207.0				

<Case 112>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 A Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)	0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
LTE Band 25_Ant 5	0.375	0.362	1.348	1.285	1.515	1.434	1.417	1.304	1.194	1.283	1.357	1.536	1.487	1.415	1.523	1.554	1.212	1.328	1.081	1.298	1.506	1.469	1.341	1.331	1.486	1.291	1.177
LTE Band 66_Ant 5	0.664	0.362	1.637	1.574	1.804	1.723	1.706	1.593	1.483	1.572	1.646	1.825	1.776	1.704	1.812	1.843	1.501	1.617	1.370	1.587	1.795	1.758	1.630	1.620	1.775	1.580	1.466
FR1 n25_Ant 5	0.487	0.362	1.460	1.397	1.627	1.546	1.529	1.416	1.306	1.395	1.469	1.648	1.599	1.527	1.635	1.666	1.324	1.440	1.193	1.410	1.618	1.581	1.453	1.443	1.598	1.403	1.289
FR1 n41_Ant 5	0.529	0.362	1.502	1.439	1.669	1.588	1.571	1.458	1.348	1.437	1.511	1.690	1.641	1.569	1.677	1.708	1.366	1.482	1.235	1.452	1.660	1.623	1.495	1.485	1.640	1.445	1.331
FR1 n48_Ant 5	0.385	0.362	1.358	1.295	1.525	1.444	1.427	1.314	1.204	1.293	1.367	1.546	1.497	1.425	1.533	1.564	1.222	1.338	1.091	1.308	1.516	1.479	1.351	1.341	1.496	1.301	1.187
FR1 n66_Ant 5	0.649	0.362	1.622	1.559	1.789	1.708	1.691	1.578	1.468	1.557	1.631	1.810	1.761	1.689	1.797	1.828	1.486	1.602	1.355	1.572	1.780	1.743	1.615	1.605	1.760	1.565	1.451
FR1 n77_Ant 5	0.627	0.362	1.600	1.537	1.767	1.686	1.669	1.556	1.446	1.535	1.609	1.788	1.739	1.667	1.775	1.806	1.464	1.580	1.333	1.550	1.758	1.721	1.593	1.583	1.738	1.543	1.429

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	105.1	1.84	0.02	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3	1.026	14.0	27.5	-207.0				



<Case 113>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66_A Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and 10 rows of SAR data.

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

Table with 9 columns (Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR) and 3 rows of calculation data.

<Case 114>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and 4 rows of SAR data.

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

Table with 9 columns (Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR) and 3 rows of calculation data.

<Case 115>

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

Table with 23 columns (Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4+3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and 4 rows of SAR data.

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

Table with 9 columns (Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR) and 3 rows of calculation data.



<Case 116>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)		0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
LTE Band 48_Ant 7	0.361	0.392	1.364	1.301	1.531	1.450	1.433	1.320	1.210	1.299	1.373	1.552	1.503	1.431	1.539	1.570	1.228	1.344	1.097	1.314	1.522	1.485	1.357	1.347	1.502	1.307	1.193
FR1 n48_Ant 7	0.316	0.392	1.319	1.256	1.486	1.405	1.388	1.275	1.165	1.254	1.328	1.507	1.458	1.386	1.494	1.525	1.183	1.299	1.052	1.269	1.477	1.440	1.312	1.302	1.457	1.262	1.148
FR1 n77_Ant 7	0.459	0.392	1.462	1.399	1.629	1.548	1.531	1.418	1.308	1.397	1.471	1.650	1.601	1.529	1.637	1.668	1.326	1.442	1.195	1.412	1.620	1.583	1.455	1.445	1.600	1.405	1.291

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-20.4	-73.9	-207.0	56.2	1.67	0.04	Not required
Max WWAN Ant 7+ WLAN2.4GHz Ant 4+3	0.851	-64.0	-38.5	-207.0				

<Case 117>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	GSM1900 Ant 2	WCDMA II Ant 2	WCDMA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.351	1.386	1.382	1.344	1.339	1.207	1.375	1.383	1.229	1.389	1.261	1.386	1.333	1.383	1.295
WCDMA V_Ant 1	0.463	0.351	1.347	1.343	1.305	1.300	1.168	1.336	1.344	1.190	1.350	1.222	1.347	1.294	1.344	1.256
LTE Band 12_Ant 1	0.324	0.351	1.208	1.204	1.166	1.161	1.029	1.197	1.205	1.051	1.211	1.083	1.208	1.155	1.205	1.117
LTE Band 13_Ant 1	0.389	0.351	1.273	1.269	1.231	1.226	1.094	1.262	1.270	1.116	1.276	1.148	1.273	1.220	1.270	1.182
LTE Band 14_Ant 1	0.407	0.351	1.291	1.287	1.249	1.244	1.112	1.280	1.288	1.134	1.294	1.166	1.291	1.238	1.288	1.200
LTE Band 25_Ant 1	0.684	0.351	1.568	1.564	1.526	1.521	1.389	1.557	1.565	1.411	1.571	1.443	1.568	1.515	1.565	1.477
LTE Band 26_Ant 1	0.478	0.351	1.362	1.358	1.320	1.315	1.183	1.351	1.359	1.205	1.365	1.237	1.362	1.309	1.359	1.271
LTE Band 66_Ant 1	0.844	0.351	1.728	1.724	1.686	1.681	1.549	1.717	1.725	1.571	1.731	1.603	1.728	1.675	1.725	1.637
LTE Band 71_Ant 1	0.304	0.351	1.188	1.184	1.146	1.141	1.009	1.177	1.185	1.031	1.191	1.063	1.188	1.135	1.185	1.097
FR1 n12_Ant 1	0.228	0.351	1.112	1.108	1.070	1.065	0.933	1.101	1.109	0.955	1.115	0.987	1.112	1.059	1.109	1.021
FR1 n14_Ant 1	0.380	0.351	1.264	1.260	1.222	1.217	1.085	1.253	1.261	1.107	1.267	1.139	1.264	1.211	1.261	1.173
FR1 n25_Ant 1	0.836	0.351	1.720	1.716	1.678	1.673	1.541	1.709	1.717	1.563	1.723	1.595	1.720	1.667	1.717	1.629
FR1 n26_Ant 1	0.435	0.351	1.319	1.315	1.277	1.272	1.140	1.308	1.316	1.162	1.322	1.194	1.319	1.266	1.316	1.228
FR1 n41_Ant 1	0.694	0.351	1.578	1.574	1.536	1.531	1.399	1.567	1.575	1.421	1.581	1.453	1.578	1.525	1.575	1.487
FR1 n48_Ant 1	0.567	0.351	1.451	1.447	1.409	1.404	1.272	1.440	1.448	1.294	1.454	1.326	1.451	1.398	1.448	1.360
FR1 n66_Ant 1	0.628	0.351	1.512	1.508	1.470	1.465	1.333	1.501	1.509	1.355	1.515	1.387	1.512	1.459	1.509	1.421
FR1 n71_Ant 1	0.350	0.351	1.234	1.230	1.192	1.187	1.055	1.223	1.231	1.077	1.237	1.109	1.234	1.181	1.231	1.143
FR1 n77_Ant 1	0.400	0.351	1.284	1.280	1.242	1.237	1.105	1.273	1.281	1.127	1.287	1.159	1.284	1.231	1.281	1.193

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-56.0	-47.5	-207.0	100.6	1.73	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 118>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	GSM1900 _Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.270	1.305	1.301	1.263	1.258	1.126	1.294	1.302	1.148	1.308	1.180	1.305	1.252	1.302	1.214
WCDMA V_Ant 1	0.463	0.270	1.266	1.262	1.224	1.219	1.087	1.255	1.263	1.109	1.269	1.141	1.266	1.213	1.263	1.175
LTE Band 12_Ant 1	0.324	0.270	1.127	1.123	1.085	1.080	0.948	1.116	1.124	0.970	1.130	1.002	1.127	1.074	1.124	1.036
LTE Band 13_Ant 1	0.389	0.270	1.192	1.188	1.150	1.145	1.013	1.181	1.189	1.035	1.195	1.067	1.192	1.139	1.189	1.101
LTE Band 14_Ant 1	0.407	0.270	1.210	1.206	1.168	1.163	1.031	1.199	1.207	1.053	1.213	1.085	1.210	1.157	1.207	1.119
LTE Band 25_Ant 1	0.684	0.270	1.487	1.483	1.445	1.440	1.308	1.476	1.484	1.330	1.490	1.362	1.487	1.434	1.484	1.396
LTE Band 26_Ant 1	0.478	0.270	1.281	1.277	1.239	1.234	1.102	1.270	1.278	1.124	1.284	1.156	1.281	1.228	1.278	1.190
LTE Band 66_Ant 1	0.844	0.270	1.647	1.643	1.605	1.600	1.468	1.636	1.644	1.490	1.650	1.522	1.647	1.594	1.644	1.556
LTE Band 71_Ant 1	0.304	0.270	1.107	1.103	1.065	1.060	0.928	1.096	1.104	0.950	1.110	0.982	1.107	1.054	1.104	1.016
FR1 n12_Ant 1	0.228	0.270	1.031	1.027	0.989	0.984	0.852	1.020	1.028	0.874	1.034	0.906	1.031	0.978	1.028	0.940
FR1 n14_Ant 1	0.380	0.270	1.183	1.179	1.141	1.136	1.004	1.172	1.180	1.026	1.186	1.058	1.183	1.130	1.180	1.092
FR1 n25_Ant 1	0.836	0.270	1.639	1.635	1.597	1.592	1.460	1.628	1.636	1.482	1.642	1.514	1.639	1.586	1.636	1.548
FR1 n26_Ant 1	0.435	0.270	1.238	1.234	1.196	1.191	1.059	1.227	1.235	1.081	1.241	1.113	1.238	1.185	1.235	1.147
FR1 n41_Ant 1	0.694	0.270	1.497	1.493	1.455	1.450	1.318	1.486	1.494	1.340	1.500	1.372	1.497	1.444	1.494	1.406
FR1 n48_Ant 1	0.567	0.270	1.370	1.366	1.328	1.323	1.191	1.359	1.367	1.213	1.373	1.245	1.370	1.317	1.367	1.279
FR1 n66_Ant 1	0.628	0.270	1.431	1.427	1.389	1.384	1.252	1.420	1.428	1.274	1.434	1.306	1.431	1.378	1.428	1.340
FR1 n71_Ant 1	0.350	0.270	1.153	1.149	1.111	1.106	0.974	1.142	1.150	0.996	1.156	1.028	1.153	1.100	1.150	1.062
FR1 n77_Ant 1	0.400	0.270	1.203	1.199	1.161	1.156	1.024	1.192	1.200	1.046	1.206	1.078	1.203	1.150	1.200	1.112

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-59.0	-46.5	-207.0	79.0	1.65	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.114	-60.5	32.5	-207.0				



<Case 119>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.362	1.397	1.393	1.355	1.350	1.218	1.386	1.394	1.240	1.400	1.272	1.397	1.344	1.394	1.306
WCDMA V_Ant 1	0.463	0.362	1.358	1.354	1.316	1.311	1.179	1.347	1.355	1.201	1.361	1.233	1.358	1.305	1.355	1.267
LTE Band 12_Ant 1	0.324	0.362	1.219	1.215	1.177	1.172	1.040	1.208	1.216	1.062	1.222	1.094	1.219	1.166	1.216	1.128
LTE Band 13_Ant 1	0.389	0.362	1.284	1.280	1.242	1.237	1.105	1.273	1.281	1.127	1.287	1.159	1.284	1.231	1.281	1.193
LTE Band 14_Ant 1	0.407	0.362	1.302	1.298	1.260	1.255	1.123	1.291	1.299	1.145	1.305	1.177	1.302	1.249	1.299	1.211
LTE Band 25_Ant 1	0.684	0.362	1.579	1.575	1.537	1.532	1.400	1.568	1.576	1.422	1.582	1.454	1.579	1.526	1.576	1.488
LTE Band 26_Ant 1	0.478	0.362	1.373	1.369	1.331	1.326	1.194	1.362	1.370	1.216	1.376	1.248	1.373	1.320	1.370	1.282
LTE Band 66_Ant 1	0.844	0.362	1.739	1.735	1.697	1.692	1.560	1.728	1.736	1.582	1.742	1.614	1.739	1.686	1.736	1.648
LTE Band 71_Ant 1	0.304	0.362	1.199	1.195	1.157	1.152	1.020	1.188	1.196	1.042	1.202	1.074	1.199	1.146	1.196	1.108
FR1 n12_Ant 1	0.228	0.362	1.123	1.119	1.081	1.076	0.944	1.112	1.120	0.966	1.126	0.998	1.123	1.070	1.120	1.032
FR1 n14_Ant 1	0.380	0.362	1.275	1.271	1.233	1.228	1.096	1.264	1.272	1.118	1.278	1.150	1.275	1.222	1.272	1.184
FR1 n25_Ant 1	0.836	0.362	1.731	1.727	1.689	1.684	1.552	1.720	1.728	1.574	1.734	1.606	1.731	1.678	1.728	1.640
FR1 n26_Ant 1	0.435	0.362	1.330	1.326	1.288	1.283	1.151	1.319	1.327	1.173	1.333	1.205	1.330	1.277	1.327	1.239
FR1 n41_Ant 1	0.694	0.362	1.589	1.585	1.547	1.542	1.410	1.578	1.586	1.432	1.592	1.464	1.589	1.536	1.586	1.498
FR1 n48_Ant 1	0.567	0.362	1.462	1.458	1.420	1.415	1.283	1.451	1.459	1.305	1.465	1.337	1.462	1.409	1.459	1.371
FR1 n66_Ant 1	0.628	0.362	1.523	1.519	1.481	1.476	1.344	1.512	1.520	1.366	1.526	1.398	1.523	1.470	1.520	1.432
FR1 n71_Ant 1	0.350	0.362	1.245	1.241	1.203	1.198	1.066	1.234	1.242	1.088	1.248	1.120	1.245	1.192	1.242	1.154
FR1 n77_Ant 1	0.400	0.362	1.295	1.291	1.253	1.248	1.116	1.284	1.292	1.138	1.298	1.170	1.295	1.242	1.292	1.204

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	72.0	1.74	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	-58.0	26.5	-207.0				



<Case 120>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	GSM190 0_Ant 2	WCDMA II_Ant 2	WCDMA IV_Ant 2	LTE Band 7_Ant 2	LTE Band 25_Ant 2	LTE Band 30_Ant 2	LTE Band 41_Ant 2	LTE Band 66_Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)		0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.392	1.427	1.423	1.385	1.380	1.248	1.416	1.424	1.270	1.430	1.302	1.427	1.374	1.424	1.336
WCDMA V_Ant 1	0.463	0.392	1.388	1.384	1.346	1.341	1.209	1.377	1.385	1.231	1.391	1.263	1.388	1.335	1.385	1.297
LTE Band 12_Ant 1	0.324	0.392	1.249	1.245	1.207	1.202	1.070	1.238	1.246	1.092	1.252	1.124	1.249	1.196	1.246	1.158
LTE Band 13_Ant 1	0.389	0.392	1.314	1.310	1.272	1.267	1.135	1.303	1.311	1.157	1.317	1.189	1.314	1.261	1.311	1.223
LTE Band 14_Ant 1	0.407	0.392	1.332	1.328	1.290	1.285	1.153	1.321	1.329	1.175	1.335	1.207	1.332	1.279	1.329	1.241
LTE Band 25_Ant 1	0.684	0.392	1.609	1.605	1.567	1.562	1.430	1.598	1.606	1.452	1.612	1.484	1.609	1.556	1.606	1.518
LTE Band 26_Ant 1	0.478	0.392	1.403	1.399	1.361	1.356	1.224	1.392	1.400	1.246	1.406	1.278	1.403	1.350	1.400	1.312
LTE Band 66_Ant 1	0.844	0.392	1.769	1.765	1.727	1.722	1.590	1.758	1.766	1.612	1.772	1.644	1.769	1.716	1.766	1.678
LTE Band 71_Ant 1	0.304	0.392	1.229	1.225	1.187	1.182	1.050	1.218	1.226	1.072	1.232	1.104	1.229	1.176	1.226	1.138
FR1 n12_Ant 1	0.228	0.392	1.153	1.149	1.111	1.106	0.974	1.142	1.150	0.996	1.156	1.028	1.153	1.100	1.150	1.062
FR1 n14_Ant 1	0.380	0.392	1.305	1.301	1.263	1.258	1.126	1.294	1.302	1.148	1.308	1.180	1.305	1.252	1.302	1.214
FR1 n25_Ant 1	0.836	0.392	1.761	1.757	1.719	1.714	1.582	1.750	1.758	1.604	1.764	1.636	1.761	1.708	1.758	1.670
FR1 n26_Ant 1	0.435	0.392	1.360	1.356	1.318	1.313	1.181	1.349	1.357	1.203	1.363	1.235	1.360	1.307	1.357	1.269
FR1 n41_Ant 1	0.694	0.392	1.619	1.615	1.577	1.572	1.440	1.608	1.616	1.462	1.622	1.494	1.619	1.566	1.616	1.528
FR1 n48_Ant 1	0.567	0.392	1.492	1.488	1.450	1.445	1.313	1.481	1.489	1.335	1.495	1.367	1.492	1.439	1.489	1.401
FR1 n66_Ant 1	0.628	0.392	1.553	1.549	1.511	1.506	1.374	1.542	1.550	1.396	1.556	1.428	1.553	1.500	1.550	1.462
FR1 n71_Ant 1	0.350	0.392	1.275	1.271	1.233	1.228	1.096	1.264	1.272	1.118	1.278	1.150	1.275	1.222	1.272	1.184
FR1 n77_Ant 1	0.400	0.392	1.325	1.321	1.283	1.278	1.146	1.314	1.322	1.168	1.328	1.200	1.325	1.272	1.322	1.234

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-56.0	-47.5	-207.0	130.8	1.77	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	8.6	66.2	-207.0				



<Case 121>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.351	1.367	1.221	1.346
WCDMA V_Ant 1	0.463	0.351	1.328	1.182	1.307
LTE Band 12_Ant 1	0.324	0.351	1.189	1.043	1.168
LTE Band 13_Ant 1	0.389	0.351	1.254	1.108	1.233
LTE Band 14_Ant 1	0.407	0.351	1.272	1.126	1.251
LTE Band 25_Ant 1	0.684	0.351	1.549	1.403	1.528
LTE Band 26_Ant 1	0.478	0.351	1.343	1.197	1.322
LTE Band 66_Ant 1	0.844	0.351	1.709	1.563	1.688
LTE Band 71_Ant 1	0.304	0.351	1.169	1.023	1.148
FR1 n12_Ant 1	0.228	0.351	1.093	0.947	1.072
FR1 n14_Ant 1	0.380	0.351	1.245	1.099	1.224
FR1 n25_Ant 1	0.836	0.351	1.701	1.555	1.680
FR1 n26_Ant 1	0.435	0.351	1.300	1.154	1.279
FR1 n41_Ant 1	0.694	0.351	1.559	1.413	1.538
FR1 n48_Ant 1	0.567	0.351	1.432	1.286	1.411
FR1 n66_Ant 1	0.628	0.351	1.493	1.347	1.472
FR1 n71_Ant 1	0.350	0.351	1.215	1.069	1.194
FR1 n77_Ant 1	0.400	0.351	1.265	1.119	1.244

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.6	1.71	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 122>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.270	1.286	1.140	1.265
WCDMA V_Ant 1	0.463	0.270	1.247	1.101	1.226
LTE Band 12_Ant 1	0.324	0.270	1.108	0.962	1.087
LTE Band 13_Ant 1	0.389	0.270	1.173	1.027	1.152
LTE Band 14_Ant 1	0.407	0.270	1.191	1.045	1.170
LTE Band 25_Ant 1	0.684	0.270	1.468	1.322	1.447
LTE Band 26_Ant 1	0.478	0.270	1.262	1.116	1.241
LTE Band 66_Ant 1	0.844	0.270	1.628	1.482	1.607
LTE Band 71_Ant 1	0.304	0.270	1.088	0.942	1.067
FR1 n12_Ant 1	0.228	0.270	1.012	0.866	0.991
FR1 n14_Ant 1	0.380	0.270	1.164	1.018	1.143
FR1 n25_Ant 1	0.836	0.270	1.620	1.474	1.599
FR1 n26_Ant 1	0.435	0.270	1.219	1.073	1.198
FR1 n41_Ant 1	0.694	0.270	1.478	1.332	1.457
FR1 n48_Ant 1	0.567	0.270	1.351	1.205	1.330
FR1 n66_Ant 1	0.628	0.270	1.412	1.266	1.391
FR1 n71_Ant 1	0.350	0.270	1.134	0.988	1.113
FR1 n77_Ant 1	0.400	0.270	1.184	1.038	1.163

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	107.1	1.63	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4	1.114	-60.5	32.5	-207.0				



<Case 123>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.362	1.378	1.232	1.357
WCDMA V_Ant 1	0.463	0.362	1.339	1.193	1.318
LTE Band 12_Ant 1	0.324	0.362	1.200	1.054	1.179
LTE Band 13_Ant 1	0.389	0.362	1.265	1.119	1.244
LTE Band 14_Ant 1	0.407	0.362	1.283	1.137	1.262
LTE Band 25_Ant 1	0.684	0.362	1.560	1.414	1.539
LTE Band 26_Ant 1	0.478	0.362	1.354	1.208	1.333
LTE Band 66_Ant 1	0.844	0.362	1.720	1.574	1.699
LTE Band 71_Ant 1	0.304	0.362	1.180	1.034	1.159
FR1 n12_Ant 1	0.228	0.362	1.104	0.958	1.083
FR1 n14_Ant 1	0.380	0.362	1.256	1.110	1.235
FR1 n25_Ant 1	0.836	0.362	1.712	1.566	1.691
FR1 n26_Ant 1	0.435	0.362	1.311	1.165	1.290
FR1 n41_Ant 1	0.694	0.362	1.570	1.424	1.549
FR1 n48_Ant 1	0.567	0.362	1.443	1.297	1.422
FR1 n66_Ant 1	0.628	0.362	1.504	1.358	1.483
FR1 n71_Ant 1	0.350	0.362	1.226	1.080	1.205
FR1 n77_Ant 1	0.400	0.362	1.276	1.130	1.255

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.8	1.72	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	14.0	27.5	-207.0				



<Case 124>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)		0.514	0.368	0.493
GSM850_Ant 1	0.502	0.392	1.408	1.262	1.387
WCDMA V_Ant 1	0.463	0.392	1.369	1.223	1.348
LTE Band 12_Ant 1	0.324	0.392	1.230	1.084	1.209
LTE Band 13_Ant 1	0.389	0.392	1.295	1.149	1.274
LTE Band 14_Ant 1	0.407	0.392	1.313	1.167	1.292
LTE Band 25_Ant 1	0.684	0.392	1.590	1.444	1.569
LTE Band 26_Ant 1	0.478	0.392	1.384	1.238	1.363
LTE Band 66_Ant 1	0.844	0.392	1.750	1.604	1.729
LTE Band 71_Ant 1	0.304	0.392	1.210	1.064	1.189
FR1 n12_Ant 1	0.228	0.392	1.134	0.988	1.113
FR1 n14_Ant 1	0.380	0.392	1.286	1.140	1.265
FR1 n25_Ant 1	0.836	0.392	1.742	1.596	1.721
FR1 n26_Ant 1	0.435	0.392	1.341	1.195	1.320
FR1 n41_Ant 1	0.694	0.392	1.600	1.454	1.579
FR1 n48_Ant 1	0.567	0.392	1.473	1.327	1.452
FR1 n66_Ant 1	0.628	0.392	1.534	1.388	1.513
FR1 n71_Ant 1	0.350	0.392	1.256	1.110	1.235
FR1 n77_Ant 1	0.400	0.392	1.306	1.160	1.285

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	117.6	1.75	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	14.0	62.5	-207.0				



<Case 125>

SAR summation (blue colored) for each band of antenna 1,3,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.361	0.316	0.459
GSM850_Ant 1	0.502	0.351	1.214	1.169	1.312
WCDMA V_Ant 1	0.463	0.351	1.175	1.130	1.273
LTE Band 12_Ant 1	0.324	0.351	1.036	0.991	1.134
LTE Band 13_Ant 1	0.389	0.351	1.101	1.056	1.199
LTE Band 14_Ant 1	0.407	0.351	1.119	1.074	1.217
LTE Band 25_Ant 1	0.684	0.351	1.396	1.351	1.494
LTE Band 26_Ant 1	0.478	0.351	1.190	1.145	1.288
LTE Band 66_Ant 1	0.844	0.351	1.556	1.511	1.654
LTE Band 71_Ant 1	0.304	0.351	1.016	0.971	1.114
FR1 n12_Ant 1	0.228	0.351	0.940	0.895	1.038
FR1 n14_Ant 1	0.380	0.351	1.092	1.047	1.190
FR1 n25_Ant 1	0.836	0.351	1.548	1.503	1.646
FR1 n26_Ant 1	0.435	0.351	1.147	1.102	1.245
FR1 n41_Ant 1	0.694	0.351	1.406	1.361	1.504
FR1 n48_Ant 1	0.567	0.351	1.279	1.234	1.377
FR1 n66_Ant 1	0.628	0.351	1.340	1.295	1.438
FR1 n71_Ant 1	0.350	0.351	1.062	1.017	1.160
FR1 n77_Ant 1	0.831	0.351	1.543	1.498	1.641

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	99.9	1.65	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3	1.195	11.0	27.5	-207.0				



<Case 126>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.361	0.316	0.459
GSM850_Ant 1	0.502	0.362	1.225	1.180	1.323
WCDMA V_Ant 1	0.463	0.362	1.186	1.141	1.284
LTE Band 12_Ant 1	0.324	0.362	1.047	1.002	1.145
LTE Band 13_Ant 1	0.389	0.362	1.112	1.067	1.210
LTE Band 14_Ant 1	0.407	0.362	1.130	1.085	1.228
LTE Band 25_Ant 1	0.684	0.362	1.407	1.362	1.505
LTE Band 26_Ant 1	0.478	0.362	1.201	1.156	1.299
LTE Band 66_Ant 1	0.844	0.362	1.567	1.522	1.665
LTE Band 71_Ant 1	0.304	0.362	1.027	0.982	1.125
FR1 n12_Ant 1	0.228	0.362	0.951	0.906	1.049
FR1 n14_Ant 1	0.380	0.362	1.103	1.058	1.201
FR1 n25_Ant 1	0.836	0.362	1.559	1.514	1.657
FR1 n26_Ant 1	0.435	0.362	1.158	1.113	1.256
FR1 n41_Ant 1	0.694	0.362	1.417	1.372	1.515
FR1 n48_Ant 1	0.567	0.362	1.290	1.245	1.388
FR1 n66_Ant 1	0.628	0.362	1.351	1.306	1.449
FR1 n71_Ant 1	0.350	0.362	1.073	1.028	1.171
FR1 n77_Ant 1	0.831	0.362	1.554	1.509	1.652

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	65.3	1.67	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3	1.206	-58.0	26.5	-207.0				

<Case 127>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)		0.361	0.316	0.459
GSM850_Ant 1	0.502	0.392	1.255	1.210	1.353
WCDMA V_Ant 1	0.463	0.392	1.216	1.171	1.314
LTE Band 12_Ant 1	0.324	0.392	1.077	1.032	1.175
LTE Band 13_Ant 1	0.389	0.392	1.142	1.097	1.240
LTE Band 14_Ant 1	0.407	0.392	1.160	1.115	1.258
LTE Band 25_Ant 1	0.684	0.392	1.437	1.392	1.535
LTE Band 26_Ant 1	0.478	0.392	1.231	1.186	1.329
LTE Band 66_Ant 1	0.844	0.392	1.597	1.552	1.695
LTE Band 71_Ant 1	0.304	0.392	1.057	1.012	1.155
FR1 n12_Ant 1	0.228	0.392	0.981	0.936	1.079
FR1 n14_Ant 1	0.380	0.392	1.133	1.088	1.231
FR1 n25_Ant 1	0.836	0.392	1.589	1.544	1.687
FR1 n26_Ant 1	0.435	0.392	1.188	1.143	1.286
FR1 n41_Ant 1	0.694	0.392	1.447	1.402	1.545
FR1 n48_Ant 1	0.567	0.392	1.320	1.275	1.418
FR1 n66_Ant 1	0.628	0.392	1.381	1.336	1.479
FR1 n71_Ant 1	0.350	0.392	1.103	1.058	1.201
FR1 n77_Ant 1	0.831	0.392	1.584	1.539	1.682

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	122.1	1.70	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3	1.236	-34.5	80.0	-207.0				

<Case 128>

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+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA A II Ant 0	WCDMA IV Ant 0	WCDMA A V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.383	0.329	0.445	0.418	0.428	0.484	0.395	0.423	0.387	0.603	0.413	0.602	0.444	0.548	0.365	0.517	0.393	0.381	0.533	0.468	0.545	0.503	0.533	0.469	0.417
GSM850_Ant 1	0.459	0.138	0.213	1.193	1.139	1.255	1.228	1.238	1.294	1.205	1.233	1.197	1.413	1.223	1.412	1.254	1.358	1.175	1.327	1.203	1.191	1.343	1.278	1.355	1.313	1.343	1.279	1.227
WCDMA V_Ant 1	0.332	0.138	0.213	1.066	1.012	1.128	1.101	1.111	1.167	1.078	1.106	1.070	1.286	1.096	1.285	1.127	1.231	1.048	1.200	1.076	1.064	1.216	1.151	1.228	1.186	1.216	1.152	1.100
LTE Band 12_Ant 1	0.290	0.138	0.213	1.024	0.970	1.086	1.059	1.069	1.125	1.036	1.064	1.028	1.244	1.054	1.243	1.085	1.189	1.006	1.158	1.034	1.022	1.174	1.109	1.186	1.144	1.174	1.110	1.058
LTE Band 13_Ant 1	0.374	0.138	0.213	1.108	1.054	1.170	1.143	1.153	1.209	1.120	1.148	1.112	1.328	1.138	1.327	1.169	1.273	1.090	1.242	1.118	1.106	1.258	1.193	1.270	1.228	1.258	1.194	1.142
LTE Band 14_Ant 1	0.327	0.138	0.213	1.061	1.007	1.123	1.096	1.106	1.162	1.073	1.101	1.065	1.281	1.091	1.280	1.122	1.226	1.043	1.195	1.071	1.059	1.211	1.146	1.223	1.181	1.211	1.147	1.095
LTE Band 25_Ant 1	0.485	0.138	0.213	1.219	1.165	1.281	1.254	1.264	1.320	1.231	1.259	1.223	1.439	1.249	1.438	1.280	1.384	1.201	1.353	1.229	1.217	1.369	1.304	1.381	1.339	1.369	1.305	1.253
LTE Band 26_Ant 1	0.331	0.138	0.213	1.065	1.011	1.127	1.100	1.110	1.166	1.077	1.105	1.069	1.285	1.095	1.284	1.126	1.230	1.047	1.199	1.075	1.063	1.215	1.150	1.227	1.185	1.215	1.151	1.099
LTE Band 66_Ant 1	0.303	0.138	0.213	1.037	0.983	1.099	1.072	1.082	1.138	1.049	1.077	1.041	1.257	1.067	1.256	1.098	1.202	1.019	1.171	1.047	1.035	1.187	1.122	1.199	1.157	1.187	1.123	1.071
LTE Band 71_Ant 1	0.254	0.138	0.213	0.988	0.934	1.050	1.023	1.033	1.089	1.000	1.028	0.992	1.208	1.018	1.207	1.049	1.153	0.970	1.122	0.998	0.986	1.138	1.073	1.150	1.108	1.138	1.074	1.022
FR1 n12_Ant 1	0.274	0.138	0.213	1.008	0.954	1.070	1.043	1.053	1.109	1.020	1.048	1.012	1.228	1.038	1.227	1.069	1.173	0.990	1.142	1.018	1.006	1.158	1.093	1.170	1.128	1.158	1.094	1.042
FR1 n14_Ant 1	0.332	0.138	0.213	1.066	1.012	1.128	1.101	1.111	1.167	1.078	1.106	1.070	1.286	1.096	1.285	1.127	1.231	1.048	1.200	1.076	1.064	1.216	1.151	1.228	1.186	1.216	1.152	1.100
FR1 n25_Ant 1	0.684	0.138	0.213	1.418	1.364	1.480	1.453	1.463	1.519	1.430	1.458	1.422	1.638	1.448	1.637	1.479	1.583	1.400	1.552	1.428	1.416	1.568	1.503	1.580	1.538	1.568	1.504	1.452
FR1 n26_Ant 1	0.379	0.138	0.213	1.113	1.059	1.175	1.148	1.158	1.214	1.125	1.153	1.117	1.333	1.143	1.332	1.174	1.278	1.095	1.247	1.123	1.111	1.263	1.198	1.275	1.233	1.263	1.199	1.147
FR1 n41_Ant 1	0.398	0.138	0.213	1.132	1.078	1.194	1.167	1.177	1.233	1.144	1.172	1.136	1.352	1.162	1.351	1.193	1.297	1.114	1.266	1.142	1.130	1.282	1.217	1.294	1.252	1.282	1.218	1.166
FR1 n48_Ant 1	0.402	0.138	0.213	1.136	1.082	1.198	1.171	1.181	1.237	1.148	1.176	1.140	1.356	1.166	1.355	1.197	1.301	1.118	1.270	1.146	1.134	1.286	1.221	1.298	1.256	1.286	1.222	1.170
FR1 n66_Ant 1	0.571	0.138	0.213	1.305	1.251	1.367	1.340	1.350	1.406	1.317	1.345	1.309	1.525	1.335	1.524	1.366	1.470	1.287	1.439	1.315	1.303	1.455	1.390	1.467	1.425	1.455	1.391	1.339
FR1 n71_Ant 1	0.304	0.138	0.213	1.038	0.984	1.100	1.073	1.083	1.139	1.050	1.078	1.042	1.258	1.068	1.257	1.099	1.203	1.020	1.172	1.048	1.036	1.188	1.123	1.200	1.158	1.188	1.124	1.072
FR1 n77_Ant 1	0.539	0.138	0.213	1.273	1.219	1.335	1.308	1.318	1.374	1.285	1.313	1.277	1.493	1.303	1.492	1.334	1.438	1.255	1.407	1.283	1.271	1.423	1.358	1.435	1.393	1.423	1.359	1.307

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.603	-57.5	-68.0	-207.0	95.6	1.64	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.035	-62.0	27.5	-207.0				



<Case 129>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant. 4+3	WLAN 5/6GHz Ant. 4+3	GSM 850 Ant. 0	GSM 1900 Ant. 0	WCDMA II Ant. 0	WCDMA IV Ant. 0	WCDMA V Ant. 0	LTE Band 7 Ant. 0	LTE Band 12 Ant. 0	LTE Band 13 Ant. 0	LTE Band 14 Ant. 0	LTE Band 25 Ant. 0	LTE Band 26 Ant. 0	LTE Band 30 Ant. 0	LTE Band 41 Ant. 0	LTE Band 66 Ant. 0	LTE Band 71 Ant. 0	FR1 n7 Ant. 0	FR1 n12 Ant. 0	FR1 n14 Ant. 0	FR1 n25 Ant. 0	FR1 n26 Ant. 0	FR1 n30 Ant. 0	FR1 n41 Ant. 0	FR1 n66 Ant. 0	FR1 n70 Ant. 0	FR1 n71 Ant. 0
Front	1g SAR (W/kg)	0.383	0.329	0.445	0.418	0.428	0.484	0.395	0.423	0.387	0.603	0.413	0.602	0.444	0.548	0.365	0.517	0.393	0.381	0.533	0.468	0.545	0.503	0.533	0.469	0.417		
GSM850_Ant 1	0.459	0.145	0.213	1.200	1.146	1.262	1.235	1.245	1.301	1.212	1.240	1.204	1.420	1.230	1.419	1.261	1.365	1.182	1.334	1.210	1.198	1.350	1.285	1.362	1.320	1.350	1.286	1.234
WCDMA V_Ant 1	0.332	0.145	0.213	1.073	1.019	1.135	1.108	1.118	1.174	1.085	1.113	1.077	1.293	1.103	1.292	1.134	1.238	1.055	1.207	1.083	1.071	1.223	1.158	1.235	1.193	1.223	1.159	1.107
LTE Band 12_Ant 1	0.290	0.145	0.213	1.031	0.977	1.093	1.066	1.076	1.132	1.043	1.071	1.035	1.251	1.061	1.250	1.092	1.196	1.013	1.165	1.041	1.029	1.181	1.116	1.193	1.151	1.181	1.117	1.065
LTE Band 13_Ant 1	0.374	0.145	0.213	1.115	1.061	1.177	1.150	1.160	1.216	1.127	1.155	1.119	1.335	1.145	1.334	1.176	1.280	1.097	1.249	1.125	1.113	1.265	1.200	1.277	1.235	1.265	1.201	1.149
LTE Band 14_Ant 1	0.327	0.145	0.213	1.068	1.014	1.130	1.103	1.113	1.169	1.080	1.108	1.072	1.288	1.098	1.287	1.129	1.233	1.050	1.202	1.078	1.066	1.218	1.153	1.230	1.188	1.218	1.154	1.102
LTE Band 25_Ant 1	0.485	0.145	0.213	1.226	1.172	1.288	1.261	1.271	1.327	1.238	1.266	1.230	1.446	1.256	1.445	1.287	1.391	1.208	1.360	1.236	1.224	1.376	1.311	1.388	1.346	1.376	1.312	1.260
LTE Band 26_Ant 1	0.331	0.145	0.213	1.072	1.018	1.134	1.107	1.117	1.173	1.084	1.112	1.076	1.292	1.102	1.291	1.133	1.237	1.054	1.206	1.082	1.070	1.222	1.157	1.234	1.192	1.222	1.158	1.106
LTE Band 66_Ant 1	0.303	0.145	0.213	1.044	0.990	1.106	1.079	1.089	1.145	1.056	1.084	1.048	1.264	1.074	1.263	1.105	1.209	1.026	1.178	1.054	1.042	1.194	1.129	1.206	1.164	1.194	1.130	1.078
LTE Band 71_Ant 1	0.254	0.145	0.213	0.995	0.941	1.057	1.030	1.040	1.096	1.007	1.035	0.999	1.215	1.025	1.214	1.056	1.160	0.977	1.129	1.005	0.993	1.145	1.080	1.157	1.115	1.145	1.081	1.029
FR1 n12_Ant 1	0.274	0.145	0.213	1.015	0.961	1.077	1.050	1.060	1.116	1.027	1.055	1.019	1.235	1.045	1.234	1.076	1.180	0.997	1.149	1.025	1.013	1.165	1.100	1.177	1.135	1.165	1.101	1.049
FR1 n14_Ant 1	0.332	0.145	0.213	1.073	1.019	1.135	1.108	1.118	1.174	1.085	1.113	1.077	1.293	1.103	1.292	1.134	1.238	1.055	1.207	1.083	1.071	1.223	1.158	1.235	1.193	1.223	1.159	1.107
FR1 n25_Ant 1	0.684	0.145	0.213	1.425	1.371	1.487	1.460	1.470	1.526	1.437	1.465	1.429	1.645	1.455	1.644	1.486	1.590	1.407	1.559	1.435	1.423	1.575	1.510	1.587	1.545	1.575	1.511	1.459
FR1 n26_Ant 1	0.379	0.145	0.213	1.120	1.066	1.182	1.155	1.165	1.221	1.132	1.160	1.124	1.340	1.150	1.339	1.181	1.285	1.102	1.254	1.130	1.118	1.270	1.205	1.282	1.240	1.270	1.206	1.154
FR1 n41_Ant 1	0.398	0.145	0.213	1.139	1.085	1.201	1.174	1.184	1.240	1.151	1.179	1.143	1.359	1.169	1.358	1.200	1.304	1.121	1.273	1.149	1.137	1.289	1.224	1.301	1.259	1.289	1.225	1.173
FR1 n48_Ant 1	0.402	0.145	0.213	1.143	1.089	1.205	1.178	1.188	1.244	1.155	1.183	1.147	1.363	1.173	1.362	1.204	1.308	1.125	1.277	1.153	1.141	1.293	1.228	1.305	1.263	1.293	1.229	1.177
FR1 n66_Ant 1	0.571	0.145	0.213	1.312	1.258	1.374	1.347	1.357	1.413	1.324	1.352	1.316	1.532	1.342	1.531	1.373	1.477	1.294	1.446	1.322	1.310	1.462	1.397	1.474	1.432	1.462	1.398	1.346
FR1 n71_Ant 1	0.304	0.145	0.213	1.045	0.991	1.107	1.080	1.090	1.146	1.057	1.085	1.049	1.265	1.075	1.264	1.106	1.210	1.027	1.179	1.055	1.043	1.195	1.130	1.207	1.165	1.195	1.131	1.079
FR1 n77_Ant 1	0.539	0.145	0.213	1.280	1.226	1.342	1.315	1.325	1.381	1.292	1.320	1.284	1.500	1.310	1.499	1.341	1.445	1.262	1.414	1.290	1.278	1.430	1.365	1.442	1.400	1.430	1.366	1.314

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.603	-57.5	-68.0	-207.0	99.6	1.65	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.042	-61.5	31.5	-207.0				



<Case 130>

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+3	GSM 850 Ant.0	GSM 1900 Ant.0	WCDMA II Ant.0	WCDMA IV Ant.0	WCDMA V Ant.0	LTE Band 7 Ant.0	LTE Band 12 Ant.0	LTE Band 13 Ant.0	LTE Band 14 Ant.0	LTE Band 25 Ant.0	LTE Band 26 Ant.0	LTE Band 30 Ant.0	LTE Band 41 Ant.0	LTE Band 66 Ant.0	LTE Band 71 Ant.0	FR1 n7 Ant.0	FR1 n12 Ant.0	FR1 n14 Ant.0	FR1 n25 Ant.0	FR1 n26 Ant.0	FR1 n30 Ant.0	FR1 n41 Ant.0	FR1 n66 Ant.0	FR1 n70 Ant.0	FR1 n71 Ant.0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.180	0.313	1.608	1.543	1.773	1.692	1.675	1.562	1.452	1.541	1.615	1.794	1.745	1.673	1.781	1.812	1.470	1.586	1.338	1.556	1.764	1.727	1.599	1.589	1.744	1.549	1.435
WCDMA V_Ant 1	0.463	0.180	0.313	1.567	1.504	1.734	1.653	1.636	1.523	1.413	1.502	1.576	1.755	1.706	1.634	1.742	1.773	1.431	1.547	1.300	1.517	1.725	1.688	1.560	1.550	1.705	1.510	1.396
LTE Band 12_Ant 1	0.324	0.180	0.313	1.428	1.365	1.595	1.514	1.497	1.384	1.274	1.363	1.437	1.616	1.567	1.495	1.603	1.634	1.292	1.408	1.161	1.378	1.586	1.549	1.421	1.411	1.566	1.371	1.257
LTE Band 13_Ant 1	0.389	0.180	0.313	1.493	1.430	1.660	1.579	1.562	1.449	1.339	1.428	1.502	1.681	1.632	1.560	1.668	1.699	1.357	1.473	1.226	1.443	1.651	1.614	1.486	1.476	1.631	1.436	1.322
LTE Band 14_Ant 1	0.407	0.180	0.313	1.511	1.448	1.678	1.597	1.580	1.467	1.357	1.446	1.520	1.699	1.650	1.578	1.686	1.717	1.375	1.491	1.244	1.461	1.669	1.632	1.504	1.494	1.649	1.454	1.340
LTE Band 25_Ant 1	0.684	0.180	0.313	1.788	1.725	1.955	1.874	1.857	1.744	1.634	1.723	1.797	1.976	1.927	1.855	1.963	1.994	1.652	1.768	1.521	1.738	1.946	1.909	1.781	1.771	1.928	1.731	1.617
LTE Band 26_Ant 1	0.478	0.180	0.313	1.582	1.519	1.749	1.668	1.651	1.538	1.428	1.517	1.591	1.770	1.721	1.649	1.757	1.788	1.446	1.562	1.315	1.532	1.740	1.703	1.575	1.565	1.720	1.525	1.411
LTE Band 66_Ant 1	0.844	0.180	0.313	1.948	1.885	2.115	2.034	2.017	1.904	1.794	1.883	1.957	2.136	2.087	2.015	2.123	2.154	1.812	1.928	1.681	1.898	2.106	2.069	1.941	1.931	2.086	1.891	1.777
LTE Band 71_Ant 1	0.304	0.180	0.313	1.408	1.345	1.575	1.494	1.477	1.364	1.254	1.343	1.417	1.596	1.547	1.475	1.583	1.614	1.272	1.388	1.141	1.358	1.566	1.529	1.401	1.391	1.546	1.351	1.237
FR1 n12_Ant 1	0.228	0.180	0.313	1.332	1.269	1.499	1.418	1.401	1.288	1.178	1.267	1.341	1.520	1.471	1.399	1.507	1.538	1.196	1.312	1.065	1.282	1.490	1.453	1.325	1.315	1.470	1.275	1.161
FR1 n14_Ant 1	0.380	0.180	0.313	1.484	1.421	1.651	1.570	1.553	1.440	1.330	1.419	1.493	1.672	1.623	1.551	1.659	1.690	1.348	1.464	1.217	1.434	1.642	1.605	1.477	1.467	1.622	1.427	1.313
FR1 n25_Ant 1	0.836	0.180	0.313	1.940	1.877	2.107	2.026	2.009	1.896	1.786	1.875	1.949	2.128	2.079	2.007	2.115	2.146	1.804	1.920	1.673	1.890	2.098	2.061	1.933	1.923	2.078	1.883	1.769
FR1 n26_Ant 1	0.435	0.180	0.313	1.539	1.476	1.706	1.625	1.608	1.495	1.385	1.474	1.548	1.727	1.678	1.606	1.714	1.745	1.403	1.519	1.272	1.489	1.697	1.660	1.532	1.522	1.677	1.482	1.368
FR1 n41_Ant 1	0.694	0.180	0.313	1.798	1.735	1.965	1.884	1.867	1.754	1.644	1.733	1.807	1.986	1.937	1.865	1.973	2.004	1.662	1.778	1.531	1.748	1.956	1.919	1.791	1.781	1.936	1.741	1.627
FR1 n48_Ant 1	0.567	0.180	0.313	1.671	1.608	1.838	1.757	1.740	1.627	1.517	1.606	1.680	1.859	1.810	1.738	1.846	1.877	1.535	1.651	1.404	1.621	1.829	1.792	1.664	1.654	1.809	1.614	1.500
FR1 n66_Ant 1	0.628	0.180	0.313	1.732	1.669	1.899	1.818	1.801	1.688	1.578	1.667	1.741	1.920	1.871	1.799	1.907	1.938	1.596	1.712	1.465	1.682	1.890	1.853	1.725	1.715	1.870	1.675	1.561
FR1 n71_Ant 1	0.350	0.180	0.313	1.454	1.391	1.621	1.540	1.523	1.410	1.300	1.389	1.463	1.642	1.593	1.521	1.629	1.660	1.318	1.434	1.187	1.404	1.612	1.575	1.447	1.437	1.592	1.397	1.283
FR1 n77_Ant 1	0.831	0.180	0.313	1.935	1.872	2.102	2.021	2.004	1.891	1.781	1.870	1.944	2.123	2.074	2.002	2.110	2.141	1.799	1.915	1.668	1.885	2.093	2.056	1.928	1.918	2.073	1.878	1.764

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	105.6	2.15	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.337	14.0	28.0	-207.0				



<Case 131>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant. 4	WLAN 5/6GHz Ant. 4+3	GSM 850 Ant. 0	GSM 1900 Ant. 0	WCDMA II Ant. 0	WCDMA IV Ant. 0	WCDMA V Ant. 0	LTE Band 7 Ant. 0	LTE Band 12 Ant. 0	LTE Band 13 Ant. 0	LTE Band 14 Ant. 0	LTE Band 25 Ant. 0	LTE Band 26 Ant. 0	LTE Band 30 Ant. 0	LTE Band 41 Ant. 0	LTE Band 66 Ant. 0	LTE Band 71 Ant. 0	FR1 n7 Ant. 0	FR1 n12 Ant. 0	FR1 n14 Ant. 0	FR1 n25 Ant. 0	FR1 n26 Ant. 0	FR1 n30 Ant. 0	FR1 n41 Ant. 0	FR1 n66 Ant. 0	FR1 n70 Ant. 0	FR1 n71 Ant. 0
Back	1g SAR (W/kg)			0.811	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.131	0.313	1.557	1.494	1.724	1.643	1.626	1.513	1.403	1.492	1.566	1.745	1.696	1.624	1.732	1.763	1.421	1.537	1.290	1.507	1.715	1.678	1.550	1.540	1.695	1.500	1.386
WCDMA V_Ant 1	0.463	0.131	0.313	1.518	1.455	1.685	1.604	1.587	1.474	1.364	1.453	1.527	1.706	1.657	1.585	1.693	1.724	1.382	1.498	1.251	1.468	1.676	1.639	1.511	1.501	1.656	1.461	1.347
LTE Band 12_Ant 1	0.324	0.131	0.313	1.379	1.316	1.546	1.465	1.448	1.335	1.225	1.314	1.388	1.567	1.518	1.446	1.554	1.585	1.243	1.359	1.112	1.329	1.537	1.500	1.372	1.362	1.517	1.322	1.208
LTE Band 13_Ant 1	0.389	0.131	0.313	1.444	1.381	1.611	1.530	1.513	1.400	1.290	1.379	1.453	1.632	1.583	1.511	1.619	1.650	1.308	1.424	1.177	1.394	1.602	1.565	1.437	1.427	1.582	1.387	1.273
LTE Band 14_Ant 1	0.407	0.131	0.313	1.462	1.399	1.629	1.548	1.531	1.418	1.308	1.397	1.471	1.650	1.601	1.529	1.637	1.668	1.326	1.442	1.195	1.412	1.620	1.583	1.455	1.445	1.600	1.405	1.291
LTE Band 25_Ant 1	0.684	0.131	0.313	1.739	1.676	1.906	1.825	1.808	1.695	1.585	1.674	1.748	1.927	1.878	1.806	1.914	1.945	1.603	1.719	1.472	1.689	1.897	1.860	1.732	1.722	1.877	1.682	1.568
LTE Band 26_Ant 1	0.478	0.131	0.313	1.533	1.470	1.700	1.619	1.602	1.489	1.379	1.468	1.542	1.721	1.672	1.600	1.708	1.739	1.397	1.513	1.266	1.483	1.691	1.654	1.526	1.516	1.671	1.476	1.362
LTE Band 66_Ant 1	0.844	0.131	0.313	1.899	1.836	2.066	1.985	1.968	1.855	1.745	1.834	1.908	2.087	2.038	1.966	2.074	2.105	1.763	1.879	1.632	1.849	2.057	2.020	1.892	1.882	2.037	1.842	1.728
LTE Band 71_Ant 1	0.304	0.131	0.313	1.359	1.296	1.526	1.445	1.428	1.315	1.205	1.294	1.368	1.547	1.498	1.426	1.534	1.565	1.223	1.339	1.092	1.309	1.517	1.480	1.352	1.342	1.497	1.302	1.188
FR1 n12_Ant 1	0.228	0.131	0.313	1.283	1.220	1.450	1.369	1.352	1.239	1.129	1.218	1.292	1.471	1.422	1.350	1.458	1.489	1.147	1.263	1.016	1.233	1.441	1.404	1.276	1.266	1.421	1.226	1.112
FR1 n14_Ant 1	0.380	0.131	0.313	1.435	1.372	1.602	1.521	1.504	1.391	1.281	1.370	1.444	1.623	1.574	1.502	1.610	1.641	1.299	1.415	1.168	1.385	1.593	1.556	1.428	1.418	1.573	1.378	1.264
FR1 n25_Ant 1	0.836	0.131	0.313	1.891	1.828	2.058	1.977	1.960	1.847	1.737	1.826	1.900	2.079	2.030	1.958	2.066	2.097	1.755	1.871	1.624	1.841	2.049	2.012	1.884	1.874	2.029	1.834	1.720
FR1 n26_Ant 1	0.435	0.131	0.313	1.490	1.427	1.657	1.576	1.559	1.446	1.336	1.425	1.499	1.678	1.629	1.557	1.665	1.696	1.354	1.470	1.223	1.440	1.648	1.611	1.483	1.473	1.628	1.433	1.319
FR1 n41_Ant 1	0.694	0.131	0.313	1.749	1.686	1.916	1.835	1.818	1.705	1.595	1.684	1.758	1.937	1.888	1.816	1.924	1.955	1.613	1.729	1.482	1.699	1.907	1.870	1.742	1.732	1.887	1.692	1.578
FR1 n48_Ant 1	0.567	0.131	0.313	1.622	1.559	1.789	1.708	1.691	1.578	1.468	1.557	1.631	1.810	1.761	1.689	1.797	1.828	1.486	1.602	1.355	1.572	1.780	1.743	1.615	1.605	1.760	1.565	1.451
FR1 n66_Ant 1	0.628	0.131	0.313	1.683	1.620	1.850	1.769	1.752	1.639	1.529	1.618	1.692	1.871	1.822	1.750	1.858	1.889	1.547	1.663	1.416	1.633	1.841	1.804	1.676	1.666	1.821	1.626	1.512
FR1 n71_Ant 1	0.350	0.131	0.313	1.405	1.342	1.572	1.491	1.474	1.361	1.251	1.340	1.414	1.593	1.544	1.472	1.580	1.611	1.269	1.385	1.138	1.355	1.563	1.526	1.396	1.388	1.543	1.348	1.234
FR1 n77_Ant 1	0.831	0.131	0.313	1.886	1.823	2.053	1.972	1.955	1.842	1.732	1.821	1.895	2.074	2.025	1.953	2.061	2.092	1.750	1.866	1.619	1.836	2.044	2.007	1.879	1.869	2.024	1.829	1.715

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-21.5	-72.5	-207.0	114.7	2.11	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.288	-61.5	35.0	-207.0				



<Case 132>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant.4+3	WLAN 5/6GHz Ant.4+3	GSM 850 Ant.0	GSM 1900 Ant.0	WCDMA II Ant.0	WCDMA IV Ant.0	WCDMA V Ant.0	LTE Band 7 Ant.0	LTE Band 12 Ant.0	LTE Band 13 Ant.0	LTE Band 14 Ant.0	LTE Band 25 Ant.0	LTE Band 26 Ant.0	LTE Band 30 Ant.0	LTE Band 41 Ant.0	LTE Band 66 Ant.0	LTE Band 71 Ant.0	FR1 n7 Ant.0	FR1 n12 Ant.0	FR1 n14 Ant.0	FR1 n25 Ant.0	FR1 n26 Ant.0	FR1 n30 Ant.0	FR1 n41 Ant.0	FR1 n66 Ant.0	FR1 n70 Ant.0	FR1 n71 Ant.0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.182	0.313	1.608	1.545	1.775	1.694	1.677	1.564	1.454	1.543	1.617	1.796	1.747	1.675	1.783	1.814	1.472	1.588	1.341	1.558	1.766	1.729	1.601	1.591	1.746	1.551	1.437
WCDMA V_Ant 1	0.463	0.182	0.313	1.569	1.506	1.736	1.655	1.638	1.525	1.415	1.504	1.578	1.757	1.708	1.636	1.744	1.775	1.433	1.549	1.302	1.519	1.727	1.690	1.562	1.552	1.707	1.512	1.398
LTE Band 12_Ant 1	0.324	0.182	0.313	1.430	1.367	1.597	1.516	1.499	1.386	1.276	1.365	1.439	1.618	1.569	1.497	1.605	1.636	1.294	1.410	1.163	1.380	1.588	1.551	1.423	1.413	1.568	1.373	1.259
LTE Band 13_Ant 1	0.389	0.182	0.313	1.495	1.432	1.662	1.581	1.564	1.451	1.341	1.430	1.504	1.683	1.634	1.562	1.670	1.701	1.359	1.475	1.228	1.445	1.653	1.616	1.488	1.478	1.633	1.438	1.324
LTE Band 14_Ant 1	0.407	0.182	0.313	1.513	1.450	1.680	1.599	1.582	1.469	1.359	1.448	1.522	1.701	1.652	1.580	1.688	1.719	1.377	1.493	1.246	1.463	1.671	1.634	1.506	1.496	1.651	1.456	1.342
LTE Band 25_Ant 1	0.684	0.182	0.313	1.790	1.727	1.957	1.876	1.859	1.746	1.636	1.725	1.799	1.978	1.929	1.857	1.965	1.996	1.654	1.770	1.523	1.740	1.948	1.911	1.783	1.773	1.928	1.733	1.619
LTE Band 26_Ant 1	0.478	0.182	0.313	1.584	1.521	1.751	1.670	1.653	1.540	1.430	1.519	1.593	1.772	1.723	1.651	1.759	1.790	1.448	1.564	1.317	1.534	1.742	1.705	1.577	1.567	1.722	1.527	1.413
LTE Band 66_Ant 1	0.844	0.182	0.313	1.950	1.887	2.117	2.036	2.019	1.906	1.796	1.885	1.959	2.138	2.089	2.017	2.125	2.156	1.814	1.930	1.683	1.900	2.108	2.071	1.943	1.933	2.088	1.893	1.779
LTE Band 71_Ant 1	0.304	0.182	0.313	1.410	1.347	1.577	1.496	1.479	1.366	1.256	1.345	1.419	1.598	1.549	1.477	1.585	1.616	1.274	1.390	1.143	1.360	1.568	1.531	1.403	1.393	1.548	1.353	1.239
FR1 n12_Ant 1	0.228	0.182	0.313	1.334	1.271	1.501	1.420	1.403	1.290	1.180	1.269	1.343	1.522	1.473	1.401	1.509	1.540	1.198	1.314	1.067	1.284	1.482	1.455	1.327	1.317	1.472	1.277	1.163
FR1 n14_Ant 1	0.380	0.182	0.313	1.486	1.423	1.653	1.572	1.555	1.442	1.332	1.421	1.495	1.674	1.625	1.553	1.661	1.692	1.350	1.466	1.219	1.436	1.644	1.607	1.479	1.469	1.624	1.429	1.315
FR1 n25_Ant 1	0.836	0.182	0.313	1.942	1.879	2.109	2.028	2.011	1.898	1.788	1.877	1.951	2.130	2.081	2.009	2.117	2.148	1.806	1.922	1.675	1.892	2.100	2.063	1.935	1.925	2.080	1.885	1.771
FR1 n26_Ant 1	0.435	0.182	0.313	1.541	1.478	1.708	1.627	1.610	1.497	1.387	1.476	1.550	1.729	1.680	1.608	1.716	1.747	1.405	1.521	1.274	1.491	1.699	1.662	1.534	1.524	1.679	1.484	1.370
FR1 n41_Ant 1	0.694	0.182	0.313	1.800	1.737	1.967	1.886	1.869	1.756	1.646	1.735	1.809	1.988	1.939	1.867	1.975	2.006	1.664	1.780	1.533	1.750	1.958	1.921	1.793	1.783	1.938	1.743	1.629
FR1 n48_Ant 1	0.567	0.182	0.313	1.673	1.610	1.840	1.759	1.742	1.629	1.519	1.608	1.682	1.861	1.812	1.740	1.848	1.879	1.537	1.653	1.406	1.623	1.831	1.794	1.666	1.656	1.811	1.616	1.502
FR1 n66_Ant 1	0.628	0.182	0.313	1.734	1.671	1.901	1.820	1.803	1.690	1.580	1.669	1.743	1.922	1.873	1.801	1.909	1.940	1.598	1.714	1.467	1.684	1.892	1.855	1.727	1.717	1.872	1.677	1.563
FR1 n71_Ant 1	0.350	0.182	0.313	1.456	1.393	1.623	1.542	1.525	1.412	1.302	1.391	1.465	1.644	1.595	1.523	1.631	1.662	1.320	1.436	1.189	1.406	1.614	1.577	1.449	1.439	1.594	1.399	1.285
FR1 n77_Ant 1	0.831	0.182	0.313	1.937	1.874	2.104	2.023	2.006	1.893	1.783	1.872	1.946	2.125	2.076	2.004	2.112	2.143	1.801	1.917	1.670	1.887	2.095	2.058	1.930	1.920	2.075	1.880	1.766

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	105.3	2.16	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.339	11.0	28.5	-207.0				



<Case 133>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 2	WLAN 5/GHz Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA A II Ant 0	WCDMA A IV Ant 0	WCDMA A V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 25 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM1900_Ant 2	0.533	0.180	0.313	1.637	1.574	1.804	1.723	1.706	1.593	1.483	1.572	1.646	1.825	1.776	1.704	1.812	1.843	1.501	1.617	1.370	1.587	1.795	1.758	1.630	1.620	1.775	1.580	1.466
WCDMA II_Ant 2	0.529	0.180	0.313	1.633	1.570	1.800	1.719	1.702	1.589	1.479	1.568	1.642	1.821	1.772	1.700	1.808	1.839	1.497	1.613	1.366	1.583	1.791	1.754	1.626	1.616	1.771	1.576	1.462
WCDMA IV_Ant 2	0.491	0.180	0.313	1.595	1.532	1.762	1.681	1.664	1.551	1.441	1.530	1.604	1.783	1.734	1.662	1.770	1.801	1.459	1.575	1.328	1.545	1.753	1.716	1.588	1.578	1.733	1.538	1.424
LTE Band 7_Ant 2	0.486	0.180	0.313	1.590	1.527	1.757	1.676	1.659	1.546	1.436	1.525	1.599	1.778	1.729	1.657	1.765	1.796	1.454	1.570	1.323	1.540	1.748	1.711	1.583	1.573	1.728	1.533	1.419
LTE Band 25_Ant 2	0.354	0.180	0.313	1.458	1.395	1.625	1.544	1.527	1.414	1.304	1.393	1.467	1.646	1.597	1.525	1.633	1.664	1.322	1.438	1.191	1.408	1.616	1.579	1.451	1.441	1.596	1.401	1.287
LTE Band 30_Ant 2	0.522	0.180	0.313	1.626	1.563	1.793	1.712	1.695	1.582	1.472	1.561	1.635	1.814	1.765	1.693	1.801	1.832	1.490	1.606	1.359	1.576	1.784	1.747	1.619	1.609	1.764	1.569	1.455
LTE Band 41_Ant 2	0.530	0.180	0.313	1.634	1.571	1.801	1.720	1.703	1.590	1.480	1.569	1.643	1.822	1.773	1.701	1.809	1.840	1.498	1.614	1.367	1.584	1.792	1.755	1.627	1.617	1.772	1.577	1.463
LTE Band 66_Ant 2	0.376	0.180	0.313	1.480	1.417	1.647	1.566	1.549	1.436	1.326	1.415	1.489	1.668	1.619	1.547	1.655	1.686	1.344	1.460	1.213	1.430	1.638	1.601	1.473	1.463	1.618	1.423	1.309
FR1 n7_Ant 2	0.536	0.180	0.313	1.640	1.577	1.807	1.726	1.709	1.596	1.486	1.575	1.649	1.828	1.779	1.707	1.815	1.846	1.504	1.620	1.373	1.590	1.798	1.761	1.633	1.623	1.778	1.583	1.469
FR1 n25_Ant 2	0.408	0.180	0.313	1.512	1.449	1.679	1.598	1.581	1.468	1.358	1.447	1.521	1.700	1.651	1.579	1.687	1.718	1.376	1.492	1.245	1.462	1.670	1.633	1.505	1.495	1.650	1.455	1.341
FR1 n30_Ant 2	0.533	0.180	0.313	1.637	1.574	1.804	1.723	1.706	1.593	1.483	1.572	1.646	1.825	1.776	1.704	1.812	1.843	1.501	1.617	1.370	1.587	1.795	1.758	1.630	1.620	1.775	1.580	1.466
FR1 n41_Ant 2	0.480	0.180	0.313	1.584	1.521	1.751	1.670	1.653	1.540	1.430	1.519	1.593	1.772	1.723	1.651	1.759	1.790	1.448	1.564	1.317	1.534	1.742	1.705	1.577	1.567	1.722	1.527	1.413
FR1 n66_Ant 2	0.530	0.180	0.313	1.634	1.571	1.801	1.720	1.703	1.590	1.480	1.569	1.643	1.822	1.773	1.701	1.809	1.840	1.498	1.614	1.367	1.584	1.792	1.755	1.627	1.617	1.772	1.577	1.463
FR1 n70_Ant 2	0.442	0.180	0.313	1.546	1.483	1.713	1.632	1.615	1.502	1.392	1.481	1.555	1.734	1.685	1.613	1.721	1.752	1.410	1.526	1.279	1.496	1.704	1.667	1.539	1.529	1.684	1.489	1.375

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN 0+2	1.353	-60.0	-45.5	-207.0	101.3	1.67	0.02	Not required
WLAN5G 3+4	0.313	-64.4	55.7	-207.0				
WWAN 0+2	1.353	-56.0	-47.5	-207.0	103.0	1.53	0.02	Not required
WLAN2.4G 3	0.180	14.0	28.0	-207.0				
WLAN2.4G 3	0.180	14.0	28.0	-207.0	33.3	0.49	0.01	Not required
WLAN5G 3+4	0.313	7.8	60.7	-207.0				



<Case 134>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	WLAN 5/6GHz Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n46 Ant 0	FR1 n59 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440	
GSM1900_Ant 2	0.533	0.131	0.313	1.588	1.525	1.755	1.674	1.657	1.544	1.434	1.523	1.597	1.776	1.727	1.655	1.763	1.794	1.452	1.568	1.321	1.538	1.746	1.709	1.581	1.571	1.726	1.531	1.417	
WCDMA II_Ant 2	0.529	0.131	0.313	1.584	1.521	1.751	1.670	1.653	1.540	1.430	1.519	1.593	1.772	1.723	1.651	1.759	1.790	1.448	1.564	1.317	1.534	1.742	1.705	1.577	1.567	1.722	1.527	1.413	
WCDMA IV_Ant 2	0.491	0.131	0.313	1.546	1.483	1.713	1.632	1.615	1.502	1.392	1.481	1.555	1.734	1.685	1.613	1.721	1.752	1.410	1.526	1.279	1.496	1.704	1.667	1.539	1.529	1.684	1.489	1.375	
LTE Band 7_Ant 2	0.486	0.131	0.313	1.541	1.478	1.708	1.627	1.610	1.497	1.387	1.476	1.550	1.729	1.680	1.608	1.716	1.747	1.405	1.521	1.274	1.491	1.699	1.662	1.534	1.524	1.679	1.484	1.370	
LTE Band 25_Ant 2	0.354	0.131	0.313	1.409	1.346	1.576	1.495	1.478	1.365	1.255	1.344	1.418	1.597	1.548	1.476	1.584	1.615	1.273	1.389	1.142	1.359	1.567	1.530	1.402	1.392	1.547	1.352	1.238	
LTE Band 30_Ant 2	0.522	0.131	0.313	1.577	1.514	1.744	1.663	1.646	1.533	1.423	1.512	1.586	1.765	1.716	1.644	1.752	1.783	1.441	1.557	1.310	1.527	1.735	1.698	1.570	1.560	1.715	1.520	1.406	
LTE Band 41_Ant 2	0.530	0.131	0.313	1.585	1.522	1.752	1.671	1.654	1.541	1.431	1.520	1.594	1.773	1.724	1.652	1.760	1.791	1.449	1.565	1.318	1.535	1.743	1.706	1.578	1.568	1.723	1.528	1.414	
LTE Band 66_Ant 2	0.376	0.131	0.313	1.431	1.368	1.598	1.517	1.500	1.387	1.277	1.366	1.440	1.619	1.570	1.498	1.606	1.637	1.295	1.411	1.164	1.381	1.589	1.552	1.424	1.414	1.569	1.374	1.260	
FR1 n7_Ant 2	0.536	0.131	0.313	1.591	1.528	1.758	1.677	1.660	1.547	1.437	1.526	1.600	1.779	1.730	1.658	1.766	1.797	1.455	1.571	1.324	1.541	1.749	1.712	1.584	1.574	1.729	1.534	1.420	
FR1 n25_Ant 2	0.408	0.131	0.313	1.463	1.400	1.630	1.549	1.532	1.419	1.309	1.398	1.472	1.651	1.602	1.530	1.638	1.669	1.327	1.443	1.196	1.413	1.621	1.584	1.456	1.446	1.601	1.406	1.292	
FR1 n30_Ant 2	0.533	0.131	0.313	1.588	1.525	1.755	1.674	1.657	1.544	1.434	1.523	1.597	1.776	1.727	1.655	1.763	1.794	1.452	1.568	1.321	1.538	1.746	1.709	1.581	1.571	1.726	1.531	1.417	
FR1 n41_Ant 2	0.480	0.131	0.313	1.535	1.472	1.702	1.621	1.604	1.491	1.381	1.470	1.544	1.723	1.674	1.602	1.710	1.741	1.399	1.515	1.268	1.485	1.693	1.656	1.528	1.516	1.673	1.478	1.364	
FR1 n66_Ant 2	0.530	0.131	0.313	1.585	1.522	1.752	1.671	1.654	1.541	1.431	1.520	1.594	1.773	1.724	1.652	1.760	1.791	1.449	1.565	1.318	1.535	1.743	1.706	1.578	1.568	1.723	1.528	1.414	
FR1 n70_Ant 2	0.442	0.131	0.313	1.497	1.434	1.664	1.583	1.566	1.453	1.343	1.432	1.506	1.685	1.636	1.564	1.672	1.703	1.361	1.477	1.230	1.447	1.655	1.618	1.490	1.480	1.635	1.440	1.328	

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WWAN 0+2	1.353	-60.0	-45.5	-207.0	101.3	1.67	0.02	Not required
WLAN5G 3+4	0.313	-64.4	55.7	-207.0				
WWAN 0+2	1.353	-60.0	-45.5	-207.0	80.5	1.48	0.02	Not required
WLAN2.4G 4	0.131	-61.5	35.0	-207.0				
WLAN2.4G 4	0.131	-61.5	35.0	-207.0	20.9	0.44	0.01	Not required
WLAN5G 3+4	0.313	-64.4	55.7	-207.0				



<Case 135>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM850 Ant 0	GSM 900 Ant 0	WCDMA II_Ant 0	WCDMA A IV_Ant 0	WCDMA A V_Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n14_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM1900_Ant 2	0.533	0.182	0.313	1.639	1.576	1.806	1.725	1.708	1.595	1.485	1.574	1.648	1.827	1.778	1.706	1.814	1.845	1.503	1.619	1.372	1.589	1.797	1.760	1.632	1.622	1.777	1.582	1.468
WCDMA II_Ant 2	0.529	0.182	0.313	1.635	1.572	1.802	1.721	1.704	1.591	1.481	1.570	1.644	1.823	1.774	1.702	1.810	1.841	1.499	1.615	1.368	1.585	1.793	1.756	1.628	1.618	1.773	1.578	1.464
WCDMA IV_Ant 2	0.491	0.182	0.313	1.597	1.534	1.764	1.683	1.666	1.553	1.443	1.532	1.606	1.785	1.736	1.664	1.772	1.803	1.461	1.577	1.330	1.547	1.755	1.718	1.590	1.580	1.735	1.540	1.426
LTE Band 7_Ant 2	0.486	0.182	0.313	1.592	1.529	1.759	1.678	1.661	1.548	1.438	1.527	1.601	1.780	1.731	1.659	1.767	1.798	1.456	1.572	1.325	1.542	1.750	1.713	1.585	1.575	1.730	1.535	1.421
LTE Band 25_Ant 2	0.354	0.182	0.313	1.460	1.397	1.627	1.546	1.529	1.416	1.306	1.395	1.469	1.648	1.599	1.527	1.635	1.666	1.324	1.440	1.193	1.410	1.618	1.581	1.453	1.443	1.598	1.403	1.289
LTE Band 30_Ant 2	0.522	0.182	0.313	1.628	1.565	1.795	1.714	1.697	1.584	1.474	1.563	1.637	1.816	1.767	1.695	1.803	1.834	1.492	1.608	1.361	1.578	1.786	1.749	1.621	1.611	1.766	1.571	1.457
LTE Band 41_Ant 2	0.530	0.182	0.313	1.636	1.573	1.803	1.722	1.705	1.592	1.482	1.571	1.645	1.824	1.775	1.703	1.811	1.842	1.500	1.616	1.369	1.586	1.794	1.757	1.629	1.619	1.774	1.579	1.465
LTE Band 66_Ant 2	0.376	0.182	0.313	1.482	1.419	1.649	1.568	1.551	1.438	1.328	1.417	1.491	1.670	1.621	1.549	1.657	1.688	1.346	1.462	1.215	1.432	1.640	1.603	1.475	1.465	1.620	1.425	1.311
FR1 n7_Ant 2	0.536	0.182	0.313	1.642	1.579	1.809	1.728	1.711	1.598	1.488	1.577	1.651	1.830	1.781	1.709	1.817	1.848	1.506	1.622	1.375	1.592	1.800	1.763	1.635	1.625	1.780	1.585	1.471
FR1 n25_Ant 2	0.408	0.182	0.313	1.514	1.451	1.681	1.600	1.583	1.470	1.360	1.449	1.523	1.702	1.653	1.581	1.689	1.720	1.378	1.494	1.247	1.464	1.672	1.635	1.507	1.497	1.652	1.457	1.343
FR1 n30_Ant 2	0.533	0.182	0.313	1.639	1.576	1.806	1.725	1.708	1.595	1.485	1.574	1.648	1.827	1.778	1.706	1.814	1.845	1.503	1.619	1.372	1.589	1.797	1.760	1.632	1.622	1.777	1.582	1.468
FR1 n41_Ant 2	0.480	0.182	0.313	1.586	1.523	1.753	1.672	1.655	1.542	1.432	1.521	1.595	1.774	1.725	1.653	1.761	1.792	1.450	1.566	1.319	1.536	1.744	1.707	1.579	1.569	1.724	1.529	1.415
FR1 n66_Ant 2	0.530	0.182	0.313	1.636	1.573	1.803	1.722	1.705	1.592	1.482	1.571	1.645	1.824	1.775	1.703	1.811	1.842	1.500	1.616	1.369	1.586	1.794	1.757	1.629	1.619	1.774	1.579	1.465
FR1 n70_Ant 2	0.442	0.182	0.313	1.548	1.485	1.715	1.634	1.617	1.504	1.394	1.483	1.557	1.736	1.687	1.615	1.723	1.754	1.412	1.528	1.281	1.498	1.706	1.669	1.541	1.531	1.686	1.491	1.377

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
WLAN2.4G 3+4	0.182	-59.0	33.0	-207.0	23.3	0.50	0.01	Not required
WLAN5G 3+4	0.313	-64.4	55.7	-207.0				
WWAN 0+2	1.353	-60.0	-45.5	-207.0	101.3	1.67	0.02	Not required
WLAN5G 3+4	0.313	-64.4	55.7	-207.0				
WWAN 0+2	1.353	-60.0	-45.5	-207.0	78.5	1.54	0.02	Not required
WLAN2.4G 3+4	0.182	-59.0	33.0	-207.0				



<Case 136>

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

Table with columns for Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n14, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, FR1 n25_Ant 5, FR1 n41_Ant 5, FR1 n48_Ant 5, FR1 n66_Ant 5, FR1 n77_Ant 5.

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

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows: Max WWAN Ant 0, Max WWAN Ant 5 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3.

<Case 137>

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

Table with columns for Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n14, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, FR1 n25_Ant 5, FR1 n41_Ant 5, FR1 n48_Ant 5, FR1 n66_Ant 5, FR1 n77_Ant 5.

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

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows: Max WWAN Ant 0, Max WWAN Ant 5 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3.

<Case 138>

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

Table with columns for Exposure Position, WWAN SAR, WLAN 2.4GHz, WLAN 5/6GHz, GSM 850, GSM 1900, WCDMA II, WCDMA IV, WCDMA V, LTE Band 7, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 25, LTE Band 26, LTE Band 30, LTE Band 41, LTE Band 66, LTE Band 71, FR1 n7, FR1 n12, FR1 n14, FR1 n25, FR1 n26, FR1 n30, FR1 n41, FR1 n66, FR1 n70, FR1 n71. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, FR1 n25_Ant 5, FR1 n41_Ant 5, FR1 n48_Ant 5, FR1 n66_Ant 5, FR1 n77_Ant 5.

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

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows: Max WWAN Ant 0, Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3.



<Case 139>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 0	0.611	0.180	0.313	1.426	1.420	1.563
GSM1900_Ant 0	0.548	0.180	0.313	1.363	1.357	1.500
WCDMA II_Ant 0	0.778	0.180	0.313	1.593	1.587	1.730
WCDMA IV_Ant 0	0.697	0.180	0.313	1.512	1.506	1.649
WCDMA V_Ant 0	0.680	0.180	0.313	1.495	1.489	1.632
LTE Band 7_Ant 0	0.567	0.180	0.313	1.382	1.376	1.519
LTE Band 12_Ant 0	0.457	0.180	0.313	1.272	1.266	1.409
LTE Band 13_Ant 0	0.546	0.180	0.313	1.361	1.355	1.498
LTE Band 14_Ant 0	0.620	0.180	0.313	1.435	1.429	1.572
LTE Band 25_Ant 0	0.799	0.180	0.313	1.614	1.608	1.751
LTE Band 26_Ant 0	0.750	0.180	0.313	1.565	1.559	1.702
LTE Band 30_Ant 0	0.678	0.180	0.313	1.493	1.487	1.630
LTE Band 41_Ant 0	0.786	0.180	0.313	1.601	1.595	1.738
LTE Band 66_Ant 0	0.817	0.180	0.313	1.632	1.626	1.769
LTE Band 71_Ant 0	0.475	0.180	0.313	1.290	1.284	1.427
FR1 n7_Ant 0	0.591	0.180	0.313	1.406	1.400	1.543
FR1 n12_Ant 0	0.344	0.180	0.313	1.159	1.153	1.296
FR1 n14_Ant 0	0.561	0.180	0.313	1.376	1.370	1.513
FR1 n25_Ant 0	0.769	0.180	0.313	1.584	1.578	1.721
FR1 n26_Ant 0	0.732	0.180	0.313	1.547	1.541	1.684
FR1 n30_Ant 0	0.604	0.180	0.313	1.419	1.413	1.556
FR1 n41_Ant 0	0.594	0.180	0.313	1.409	1.403	1.546
FR1 n66_Ant 0	0.749	0.180	0.313	1.564	1.558	1.701
FR1 n70_Ant 0	0.554	0.180	0.313	1.369	1.363	1.506
FR1 n71_Ant 0	0.440	0.180	0.313	1.255	1.249	1.392

SAR peak location (mm)			X (axis)	14	-64.4	-65	-59.5	-64	
			Y (axis)	28	55.7	-44	-44.5	-38.5	
			Z (axis)	-207	-207	-207	-207	-207	
X (axis)	Y (axis)	Z (axis)	Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
			Back	1g SAR (W/kg)			0.322	0.316	0.459
-15.4	-78.9	-207	GSM850_Ant 0	0.611	0.180	0.313			
-12.4	-76.6	-207	GSM1900_Ant 0	0.548	0.180	0.313			
-20.4	-73.9	-207	WCDMA II_Ant 0	0.778	0.180	0.313			0.04
-15.9	-74.9	-207	WCDMA IV_Ant 0	0.697	0.180	0.313			0.04
-14.9	-78.9	-207	WCDMA V_Ant 0	0.680	0.180	0.313			0.03
-16	-75	-207	LTE Band 7_Ant 0	0.567	0.180	0.313			
-19.4	-76.9	-207	LTE Band 12_Ant 0	0.457	0.180	0.313			
-19.6	-77.9	-207	LTE Band 13_Ant 0	0.546	0.180	0.313			
-23.3	-78.9	-207	LTE Band 14_Ant 0	0.620	0.180	0.313			
-3.9	-76.6	-207	LTE Band 25_Ant 0	0.799	0.180	0.313	0.03	0.03	0.03
-15.2	-81.4	-207	LTE Band 26_Ant 0	0.750	0.180	0.313			0.03
-14.5	-77	-207	LTE Band 30_Ant 0	0.678	0.180	0.313			0.03
-15	-73.5	-207	LTE Band 41_Ant 0	0.786	0.180	0.313	0.03	0.04	0.04
-7.1	-77.1	-207	LTE Band 66_Ant 0	0.817	0.180	0.313	0.03	0.03	0.03
-16.1	-76.4	-207	LTE Band 71_Ant 0	0.475	0.180	0.313			
-21.5	-72.5	-207	FR1 n7_Ant 0	0.591	0.180	0.313			
-13.9	-74.1	-207	FR1 n12_Ant 0	0.344	0.180	0.313			
-13.6	-80.4	-207	FR1 n14_Ant 0	0.561	0.180	0.313			
-13.9	-77.1	-207	FR1 n25_Ant 0	0.769	0.180	0.313			0.04
-12.2	-81.4	-207	FR1 n26_Ant 0	0.732	0.180	0.313			0.03
-11	-77.5	-207	FR1 n30_Ant 0	0.604	0.180	0.313			
-21.5	-74.5	-207	FR1 n41_Ant 0	0.594	0.180	0.313			
-16.9	-76.4	-207	FR1 n66_Ant 0	0.749	0.180	0.313			0.04
-13.4	-78.6	-207	FR1 n70_Ant 0	0.554	0.180	0.313			
-20.7	-77.6	-207	FR1 n71_Ant 0	0.440	0.180	0.313			



<Case 140>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 0	0.611	0.131	0.313	1.377	1.371	1.514
GSM1900_Ant 0	0.548	0.131	0.313	1.314	1.308	1.451
WCDMA II_Ant 0	0.778	0.131	0.313	1.544	1.538	1.681
WCDMA IV_Ant 0	0.697	0.131	0.313	1.463	1.457	1.600
WCDMA V_Ant 0	0.680	0.131	0.313	1.446	1.440	1.583
LTE Band 7_Ant 0	0.567	0.131	0.313	1.333	1.327	1.470
LTE Band 12_Ant 0	0.457	0.131	0.313	1.223	1.217	1.360
LTE Band 13_Ant 0	0.546	0.131	0.313	1.312	1.306	1.449
LTE Band 14_Ant 0	0.620	0.131	0.313	1.386	1.380	1.523
LTE Band 25_Ant 0	0.799	0.131	0.313	1.565	1.559	1.702
LTE Band 26_Ant 0	0.750	0.131	0.313	1.516	1.510	1.653
LTE Band 30_Ant 0	0.678	0.131	0.313	1.444	1.438	1.581
LTE Band 41_Ant 0	0.786	0.131	0.313	1.552	1.546	1.689
LTE Band 66_Ant 0	0.817	0.131	0.313	1.583	1.577	1.720
LTE Band 71_Ant 0	0.475	0.131	0.313	1.241	1.235	1.378
FR1 n7_Ant 0	0.591	0.131	0.313	1.357	1.351	1.494
FR1 n12_Ant 0	0.344	0.131	0.313	1.110	1.104	1.247
FR1 n14_Ant 0	0.561	0.131	0.313	1.327	1.321	1.464
FR1 n25_Ant 0	0.769	0.131	0.313	1.535	1.529	1.672
FR1 n26_Ant 0	0.732	0.131	0.313	1.498	1.492	1.635
FR1 n30_Ant 0	0.604	0.131	0.313	1.370	1.364	1.507
FR1 n41_Ant 0	0.594	0.131	0.313	1.360	1.354	1.497
FR1 n66_Ant 0	0.749	0.131	0.313	1.515	1.509	1.652
FR1 n70_Ant 0	0.554	0.131	0.313	1.320	1.314	1.457
FR1 n71_Ant 0	0.440	0.131	0.313	1.206	1.200	1.343

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	56.2	1.72	0.04	Not required
Max WWAN Ant 0 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.261	-20.4	-73.9	-207.0				



<Case 141>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 0	0.611	0.182	0.313	1.428	1.422	1.565
GSM1900_Ant 0	0.548	0.182	0.313	1.365	1.359	1.502
WCDMA II_Ant 0	0.778	0.182	0.313	1.595	1.589	1.732
WCDMA IV_Ant 0	0.697	0.182	0.313	1.514	1.508	1.651
WCDMA V_Ant 0	0.680	0.182	0.313	1.497	1.491	1.634
LTE Band 7_Ant 0	0.567	0.182	0.313	1.384	1.378	1.521
LTE Band 12_Ant 0	0.457	0.182	0.313	1.274	1.268	1.411
LTE Band 13_Ant 0	0.546	0.182	0.313	1.363	1.357	1.500
LTE Band 14_Ant 0	0.620	0.182	0.313	1.437	1.431	1.574
LTE Band 25_Ant 0	0.799	0.182	0.313	1.616	1.610	1.753
LTE Band 26_Ant 0	0.750	0.182	0.313	1.567	1.561	1.704
LTE Band 30_Ant 0	0.678	0.182	0.313	1.495	1.489	1.632
LTE Band 41_Ant 0	0.786	0.182	0.313	1.603	1.597	1.740
LTE Band 66_Ant 0	0.817	0.182	0.313	1.634	1.628	1.771
LTE Band 71_Ant 0	0.475	0.182	0.313	1.292	1.286	1.429
FR1 n7_Ant 0	0.591	0.182	0.313	1.408	1.402	1.545
FR1 n12_Ant 0	0.344	0.182	0.313	1.161	1.155	1.298
FR1 n14_Ant 0	0.561	0.182	0.313	1.378	1.372	1.515
FR1 n25_Ant 0	0.769	0.182	0.313	1.586	1.580	1.723
FR1 n26_Ant 0	0.732	0.182	0.313	1.549	1.543	1.686
FR1 n30_Ant 0	0.604	0.182	0.313	1.421	1.415	1.558
FR1 n41_Ant 0	0.594	0.182	0.313	1.411	1.405	1.548
FR1 n66_Ant 0	0.749	0.182	0.313	1.566	1.560	1.703
FR1 n70_Ant 0	0.554	0.182	0.313	1.371	1.365	1.508
FR1 n71_Ant 0	0.440	0.182	0.313	1.257	1.251	1.394

SAR peak location (mm)			X (axis)	-59	-64.4	-65	-59.5	-64	
			Y (axis)	33	55.7	-44	-44.5	-38.5	
			Z (axis)	-207	-207	-207	-207	-207	
X (axis)	Y (axis)	Z (axis)	Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
			Back	1g SAR (W/kg)			0.322	0.316	0.459
-15.4	-78.9	-207	GSM850_Ant 0	0.611	0.182	0.313			
-12.4	-76.6	-207	GSM1900_Ant 0	0.548	0.182	0.313			
-20.4	-73.9	-207	WCDMA II_Ant 0	0.778	0.182	0.313	0.04		0.04
-15.9	-74.9	-207	WCDMA IV_Ant 0	0.697	0.182	0.313			0.04
-14.9	-78.9	-207	WCDMA V_Ant 0	0.680	0.182	0.313			0.03
-16	-75	-207	LTE Band 7_Ant 0	0.567	0.182	0.313			
-19.4	-76.9	-207	LTE Band 12_Ant 0	0.457	0.182	0.313			
-19.6	-77.9	-207	LTE Band 13_Ant 0	0.546	0.182	0.313			
-23.3	-78.9	-207	LTE Band 14_Ant 0	0.620	0.182	0.313			
-3.9	-76.6	-207	LTE Band 25_Ant 0	0.799	0.182	0.313	0.03	0.03	0.03
-15.2	-81.4	-207	LTE Band 26_Ant 0	0.750	0.182	0.313			0.03
-14.5	-77	-207	LTE Band 30_Ant 0	0.678	0.182	0.313			0.03
-15	-73.5	-207	LTE Band 41_Ant 0	0.786	0.182	0.313	0.03	0.04	0.04
-7.1	-77.1	-207	LTE Band 66_Ant 0	0.817	0.182	0.313	0.03	0.03	0.03
-16.1	-76.4	-207	LTE Band 71_Ant 0	0.475	0.182	0.313			
-21.5	-72.5	-207	FR1 n7_Ant 0	0.591	0.182	0.313			
-13.9	-74.1	-207	FR1 n12_Ant 0	0.344	0.182	0.313			
-13.6	-80.4	-207	FR1 n14_Ant 0	0.561	0.182	0.313			
-13.9	-77.1	-207	FR1 n25_Ant 0	0.769	0.182	0.313			0.04
-12.2	-81.4	-207	FR1 n26_Ant 0	0.732	0.182	0.313			0.03
-11	-77.5	-207	FR1 n30_Ant 0	0.604	0.182	0.313			
-21.5	-74.5	-207	FR1 n41_Ant 0	0.594	0.182	0.313			
-16.9	-76.4	-207	FR1 n66_Ant 0	0.749	0.182	0.313			0.04
-13.4	-78.6	-207	FR1 n70_Ant 0	0.554	0.182	0.313			
-20.7	-77.6	-207	FR1 n71_Ant 0	0.440	0.182	0.313			



<Case 142>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 3	WLAN 5/6GHz Ant 4+3	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 66_Ant 2	FR1 n7_Ant 2	FR1 n25_Ant 2	FR1 n30_Ant 2	FR1 n41_Ant 2	FR1 n66_Ant 2	FR1 n70_Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.180	0.313	1.528	1.524	1.486	1.481	1.349	1.517	1.525	1.371	1.531	1.403	1.528	1.475	1.525	1.437
WCDMA V_Ant 1	0.463	0.180	0.313	1.489	1.485	1.447	1.442	1.310	1.478	1.486	1.332	1.492	1.364	1.489	1.436	1.486	1.398
LTE Band 12_Ant 1	0.324	0.180	0.313	1.350	1.346	1.308	1.303	1.171	1.339	1.347	1.193	1.353	1.225	1.350	1.297	1.347	1.259
LTE Band 13_Ant 1	0.389	0.180	0.313	1.415	1.411	1.373	1.368	1.236	1.404	1.412	1.258	1.418	1.290	1.415	1.362	1.412	1.324
LTE Band 14_Ant 1	0.407	0.180	0.313	1.433	1.429	1.391	1.386	1.254	1.422	1.430	1.276	1.436	1.308	1.433	1.380	1.430	1.342
LTE Band 25_Ant 1	0.684	0.180	0.313	1.710	1.706	1.668	1.663	1.531	1.699	1.707	1.553	1.713	1.585	1.710	1.657	1.707	1.619
LTE Band 26_Ant 1	0.478	0.180	0.313	1.504	1.500	1.462	1.457	1.325	1.493	1.501	1.347	1.507	1.379	1.504	1.451	1.501	1.413
LTE Band 66_Ant 1	0.844	0.180	0.313	1.870	1.866	1.828	1.823	1.691	1.859	1.867	1.713	1.873	1.745	1.870	1.817	1.867	1.779
LTE Band 71_Ant 1	0.304	0.180	0.313	1.330	1.326	1.288	1.283	1.151	1.319	1.327	1.173	1.333	1.205	1.330	1.277	1.327	1.239
FR1 n12_Ant 1	0.228	0.180	0.313	1.254	1.250	1.212	1.207	1.075	1.243	1.251	1.097	1.257	1.129	1.254	1.201	1.251	1.163
FR1 n14_Ant 1	0.380	0.180	0.313	1.406	1.402	1.364	1.359	1.227	1.395	1.403	1.249	1.409	1.281	1.406	1.353	1.403	1.315
FR1 n25_Ant 1	0.836	0.180	0.313	1.862	1.858	1.820	1.815	1.683	1.851	1.859	1.705	1.865	1.737	1.862	1.809	1.859	1.771
FR1 n26_Ant 1	0.435	0.180	0.313	1.461	1.457	1.419	1.414	1.282	1.450	1.458	1.304	1.464	1.336	1.461	1.408	1.458	1.370
FR1 n41_Ant 1	0.694	0.180	0.313	1.720	1.716	1.678	1.673	1.541	1.709	1.717	1.563	1.723	1.595	1.720	1.667	1.717	1.629
FR1 n48_Ant 1	0.567	0.180	0.313	1.593	1.589	1.551	1.546	1.414	1.582	1.590	1.436	1.596	1.468	1.593	1.540	1.590	1.502
FR1 n66_Ant 1	0.628	0.180	0.313	1.654	1.650	1.612	1.607	1.475	1.643	1.651	1.497	1.657	1.529	1.654	1.601	1.651	1.563
FR1 n71_Ant 1	0.350	0.180	0.313	1.376	1.372	1.334	1.329	1.197	1.365	1.373	1.219	1.379	1.251	1.376	1.323	1.373	1.285
FR1 n77_Ant 1	0.400	0.180	0.313	1.426	1.422	1.384	1.379	1.247	1.415	1.423	1.269	1.429	1.301	1.426	1.373	1.423	1.335

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	101.3	1.87	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.337	-64.4	55.7	-207.0				



<Case 143>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4	WLAN 5/6GHz Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.131	0.313	1.479	1.475	1.437	1.432	1.300	1.468	1.476	1.322	1.482	1.354	1.479	1.426	1.476	1.388
WCDMA V_Ant 1	0.463	0.131	0.313	1.440	1.436	1.398	1.393	1.261	1.429	1.437	1.283	1.443	1.315	1.440	1.387	1.437	1.349
LTE Band 12_Ant 1	0.324	0.131	0.313	1.301	1.297	1.259	1.254	1.122	1.290	1.298	1.144	1.304	1.176	1.301	1.248	1.298	1.210
LTE Band 13_Ant 1	0.389	0.131	0.313	1.366	1.362	1.324	1.319	1.187	1.355	1.363	1.209	1.369	1.241	1.366	1.313	1.363	1.275
LTE Band 14_Ant 1	0.407	0.131	0.313	1.384	1.380	1.342	1.337	1.205	1.373	1.381	1.227	1.387	1.259	1.384	1.331	1.381	1.293
LTE Band 25_Ant 1	0.684	0.131	0.313	1.661	1.657	1.619	1.614	1.482	1.650	1.658	1.504	1.664	1.536	1.661	1.608	1.658	1.570
LTE Band 26_Ant 1	0.478	0.131	0.313	1.455	1.451	1.413	1.408	1.276	1.444	1.452	1.298	1.458	1.330	1.455	1.402	1.452	1.364
LTE Band 66_Ant 1	0.844	0.131	0.313	1.821	1.817	1.779	1.774	1.642	1.810	1.818	1.664	1.824	1.696	1.821	1.768	1.818	1.730
LTE Band 71_Ant 1	0.304	0.131	0.313	1.281	1.277	1.239	1.234	1.102	1.270	1.278	1.124	1.284	1.156	1.281	1.228	1.278	1.190
FR1 n12_Ant 1	0.228	0.131	0.313	1.205	1.201	1.163	1.158	1.026	1.194	1.202	1.048	1.208	1.080	1.205	1.152	1.202	1.114
FR1 n14_Ant 1	0.380	0.131	0.313	1.357	1.353	1.315	1.310	1.178	1.346	1.354	1.200	1.360	1.232	1.357	1.304	1.354	1.266
FR1 n25_Ant 1	0.836	0.131	0.313	1.813	1.809	1.771	1.766	1.634	1.802	1.810	1.656	1.816	1.688	1.813	1.760	1.810	1.722
FR1 n26_Ant 1	0.435	0.131	0.313	1.412	1.408	1.370	1.365	1.233	1.401	1.409	1.255	1.415	1.287	1.412	1.359	1.409	1.321
FR1 n41_Ant 1	0.694	0.131	0.313	1.671	1.667	1.629	1.624	1.492	1.660	1.668	1.514	1.674	1.546	1.671	1.618	1.668	1.580
FR1 n48_Ant 1	0.567	0.131	0.313	1.544	1.540	1.502	1.497	1.365	1.533	1.541	1.387	1.547	1.419	1.544	1.491	1.541	1.453
FR1 n66_Ant 1	0.628	0.131	0.313	1.605	1.601	1.563	1.558	1.426	1.594	1.602	1.448	1.608	1.480	1.605	1.552	1.602	1.514
FR1 n71_Ant 1	0.350	0.131	0.313	1.327	1.323	1.285	1.280	1.148	1.316	1.324	1.170	1.330	1.202	1.327	1.274	1.324	1.236
FR1 n77_Ant 1	0.400	0.131	0.313	1.377	1.373	1.335	1.330	1.198	1.366	1.374	1.220	1.380	1.252	1.377	1.324	1.374	1.286

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	80.5	1.82	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.288	-61.5	35.0	-207.0				



<Case 144>

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

Exposure Position	WWAN SAR	WLAN 2.4GHz Ant 4+3	WLAN 5/6GHz Ant 4+3	GSM 1900_Ant 2	WCD MA II Ant 2	WCD MA IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.182	0.313	1.530	1.526	1.488	1.483	1.351	1.519	1.527	1.373	1.533	1.405	1.530	1.477	1.527	1.439
WCDMA V_Ant 1	0.463	0.182	0.313	1.491	1.487	1.449	1.444	1.312	1.480	1.488	1.334	1.494	1.366	1.491	1.438	1.488	1.400
LTE Band 12_Ant 1	0.324	0.182	0.313	1.352	1.348	1.310	1.305	1.173	1.341	1.349	1.195	1.355	1.227	1.352	1.299	1.349	1.261
LTE Band 13_Ant 1	0.389	0.182	0.313	1.417	1.413	1.375	1.370	1.238	1.406	1.414	1.260	1.420	1.292	1.417	1.364	1.414	1.326
LTE Band 14_Ant 1	0.407	0.182	0.313	1.435	1.431	1.393	1.388	1.256	1.424	1.432	1.278	1.438	1.310	1.435	1.382	1.432	1.344
LTE Band 25_Ant 1	0.684	0.182	0.313	1.712	1.708	1.670	1.665	1.533	1.701	1.709	1.555	1.715	1.587	1.712	1.659	1.709	1.621
LTE Band 26_Ant 1	0.478	0.182	0.313	1.506	1.502	1.464	1.459	1.327	1.495	1.503	1.349	1.509	1.381	1.506	1.453	1.503	1.415
LTE Band 66_Ant 1	0.844	0.182	0.313	1.872	1.868	1.830	1.825	1.693	1.861	1.869	1.715	1.875	1.747	1.872	1.819	1.869	1.781
LTE Band 71_Ant 1	0.304	0.182	0.313	1.332	1.328	1.290	1.285	1.153	1.321	1.329	1.175	1.335	1.207	1.332	1.279	1.329	1.241
FR1 n12_Ant 1	0.228	0.182	0.313	1.256	1.252	1.214	1.209	1.077	1.245	1.253	1.099	1.259	1.131	1.256	1.203	1.253	1.165
FR1 n14_Ant 1	0.380	0.182	0.313	1.408	1.404	1.366	1.361	1.229	1.397	1.405	1.251	1.411	1.283	1.408	1.355	1.405	1.317
FR1 n25_Ant 1	0.836	0.182	0.313	1.864	1.860	1.822	1.817	1.685	1.853	1.861	1.707	1.867	1.739	1.864	1.811	1.861	1.773
FR1 n26_Ant 1	0.435	0.182	0.313	1.463	1.459	1.421	1.416	1.284	1.452	1.460	1.306	1.466	1.338	1.463	1.410	1.460	1.372
FR1 n41_Ant 1	0.694	0.182	0.313	1.722	1.718	1.680	1.675	1.543	1.711	1.719	1.565	1.725	1.597	1.722	1.669	1.719	1.631
FR1 n48_Ant 1	0.567	0.182	0.313	1.595	1.591	1.553	1.548	1.416	1.584	1.592	1.438	1.598	1.470	1.595	1.542	1.592	1.504
FR1 n66_Ant 1	0.628	0.182	0.313	1.656	1.652	1.614	1.609	1.477	1.645	1.653	1.499	1.659	1.531	1.656	1.603	1.653	1.565
FR1 n71_Ant 1	0.350	0.182	0.313	1.378	1.374	1.336	1.331	1.199	1.367	1.375	1.221	1.381	1.253	1.378	1.325	1.375	1.287
FR1 n77_Ant 1	0.400	0.182	0.313	1.428	1.424	1.386	1.381	1.249	1.417	1.425	1.271	1.431	1.303	1.428	1.375	1.425	1.337

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	78.5	1.88	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.339	-59.0	33.0	-207.0				



<Case 145>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.180	0.313	1.509	1.363	1.488
WCDMA V_Ant 1	0.463	0.180	0.313	1.470	1.324	1.449
LTE Band 12_Ant 1	0.324	0.180	0.313	1.331	1.185	1.310
LTE Band 13_Ant 1	0.389	0.180	0.313	1.396	1.250	1.375
LTE Band 14_Ant 1	0.407	0.180	0.313	1.414	1.268	1.393
LTE Band 25_Ant 1	0.684	0.180	0.313	1.691	1.545	1.670
LTE Band 26_Ant 1	0.478	0.180	0.313	1.485	1.339	1.464
LTE Band 66_Ant 1	0.844	0.180	0.313	1.851	1.705	1.830
LTE Band 71_Ant 1	0.304	0.180	0.313	1.311	1.165	1.290
FR1 n12_Ant 1	0.228	0.180	0.313	1.235	1.089	1.214
FR1 n14_Ant 1	0.380	0.180	0.313	1.387	1.241	1.366
FR1 n25_Ant 1	0.836	0.180	0.313	1.843	1.697	1.822
FR1 n26_Ant 1	0.435	0.180	0.313	1.442	1.296	1.421
FR1 n41_Ant 1	0.694	0.180	0.313	1.701	1.555	1.680
FR1 n48_Ant 1	0.567	0.180	0.313	1.574	1.428	1.553
FR1 n66_Ant 1	0.628	0.180	0.313	1.635	1.489	1.614
FR1 n71_Ant 1	0.350	0.180	0.313	1.357	1.211	1.336
FR1 n77_Ant 1	0.400	0.180	0.313	1.407	1.261	1.386

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.3	1.85	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.337	14.0	28.0	-207.0				



<Case 146>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.131	0.313	1.460	1.314	1.439
WCDMA V_Ant 1	0.463	0.131	0.313	1.421	1.275	1.400
LTE Band 12_Ant 1	0.324	0.131	0.313	1.282	1.136	1.261
LTE Band 13_Ant 1	0.389	0.131	0.313	1.347	1.201	1.326
LTE Band 14_Ant 1	0.407	0.131	0.313	1.365	1.219	1.344
LTE Band 25_Ant 1	0.684	0.131	0.313	1.642	1.496	1.621
LTE Band 26_Ant 1	0.478	0.131	0.313	1.436	1.290	1.415
LTE Band 66_Ant 1	0.844	0.131	0.313	1.802	1.656	1.781
LTE Band 71_Ant 1	0.304	0.131	0.313	1.262	1.116	1.241
FR1 n12_Ant 1	0.228	0.131	0.313	1.186	1.040	1.165
FR1 n14_Ant 1	0.380	0.131	0.313	1.338	1.192	1.317
FR1 n25_Ant 1	0.836	0.131	0.313	1.794	1.648	1.773
FR1 n26_Ant 1	0.435	0.131	0.313	1.393	1.247	1.372
FR1 n41_Ant 1	0.694	0.131	0.313	1.652	1.506	1.631
FR1 n48_Ant 1	0.567	0.131	0.313	1.525	1.379	1.504
FR1 n66_Ant 1	0.628	0.131	0.313	1.586	1.440	1.565
FR1 n71_Ant 1	0.350	0.131	0.313	1.308	1.162	1.287
FR1 n77_Ant 1	0.400	0.131	0.313	1.358	1.212	1.337

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	109.7	1.80	0.02	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.288	-61.5	35.0	-207.0				



<Case 147>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.182	0.313	1.511	1.365	1.490
WCDMA V_Ant 1	0.463	0.182	0.313	1.472	1.326	1.451
LTE Band 12_Ant 1	0.324	0.182	0.313	1.333	1.187	1.312
LTE Band 13_Ant 1	0.389	0.182	0.313	1.398	1.252	1.377
LTE Band 14_Ant 1	0.407	0.182	0.313	1.416	1.270	1.395
LTE Band 25_Ant 1	0.684	0.182	0.313	1.693	1.547	1.672
LTE Band 26_Ant 1	0.478	0.182	0.313	1.487	1.341	1.466
LTE Band 66_Ant 1	0.844	0.182	0.313	1.853	1.707	1.832
LTE Band 71_Ant 1	0.304	0.182	0.313	1.313	1.167	1.292
FR1 n12_Ant 1	0.228	0.182	0.313	1.237	1.091	1.216
FR1 n14_Ant 1	0.380	0.182	0.313	1.389	1.243	1.368
FR1 n25_Ant 1	0.836	0.182	0.313	1.845	1.699	1.824
FR1 n26_Ant 1	0.435	0.182	0.313	1.444	1.298	1.423
FR1 n41_Ant 1	0.694	0.182	0.313	1.703	1.557	1.682
FR1 n48_Ant 1	0.567	0.182	0.313	1.576	1.430	1.555
FR1 n66_Ant 1	0.628	0.182	0.313	1.637	1.491	1.616
FR1 n71_Ant 1	0.350	0.182	0.313	1.359	1.213	1.338
FR1 n77_Ant 1	0.400	0.182	0.313	1.409	1.263	1.388

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.6	1.85	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.339	11.0	28.5	-207.0				



<Case 148>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.180	0.313	1.317	1.311	1.454
WCDMA V_Ant 1	0.463	0.180	0.313	1.278	1.272	1.415
LTE Band 12_Ant 1	0.324	0.180	0.313	1.139	1.133	1.276
LTE Band 13_Ant 1	0.389	0.180	0.313	1.204	1.198	1.341
LTE Band 14_Ant 1	0.407	0.180	0.313	1.222	1.216	1.359
LTE Band 25_Ant 1	0.684	0.180	0.313	1.499	1.493	1.636
LTE Band 26_Ant 1	0.478	0.180	0.313	1.293	1.287	1.430
LTE Band 66_Ant 1	0.844	0.180	0.313	1.659	1.653	1.796
LTE Band 71_Ant 1	0.304	0.180	0.313	1.119	1.113	1.256
FR1 n12_Ant 1	0.228	0.180	0.313	1.043	1.037	1.180
FR1 n14_Ant 1	0.380	0.180	0.313	1.195	1.189	1.332
FR1 n25_Ant 1	0.836	0.180	0.313	1.651	1.645	1.788
FR1 n26_Ant 1	0.435	0.180	0.313	1.250	1.244	1.387
FR1 n41_Ant 1	0.694	0.180	0.313	1.509	1.503	1.646
FR1 n48_Ant 1	0.567	0.180	0.313	1.382	1.376	1.519
FR1 n66_Ant 1	0.628	0.180	0.313	1.443	1.437	1.580
FR1 n71_Ant 1	0.350	0.180	0.313	1.165	1.159	1.302
FR1 n77_Ant 1	0.400	0.180	0.313	1.215	1.209	1.352

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	94.2	1.80	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.337	-64.4	55.7	-207.0				



<Case 149>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.131	0.313	1.268	1.262	1.405
WCDMA V_Ant 1	0.463	0.131	0.313	1.229	1.223	1.366
LTE Band 12_Ant 1	0.324	0.131	0.313	1.090	1.084	1.227
LTE Band 13_Ant 1	0.389	0.131	0.313	1.155	1.149	1.292
LTE Band 14_Ant 1	0.407	0.131	0.313	1.173	1.167	1.310
LTE Band 25_Ant 1	0.684	0.131	0.313	1.450	1.444	1.587
LTE Band 26_Ant 1	0.478	0.131	0.313	1.244	1.238	1.381
LTE Band 66_Ant 1	0.844	0.131	0.313	1.610	1.604	1.747
LTE Band 71_Ant 1	0.304	0.131	0.313	1.070	1.064	1.207
FR1 n12_Ant 1	0.228	0.131	0.313	0.994	0.988	1.131
FR1 n14_Ant 1	0.380	0.131	0.313	1.146	1.140	1.283
FR1 n25_Ant 1	0.836	0.131	0.313	1.602	1.596	1.739
FR1 n26_Ant 1	0.435	0.131	0.313	1.201	1.195	1.338
FR1 n41_Ant 1	0.694	0.131	0.313	1.460	1.454	1.597
FR1 n48_Ant 1	0.567	0.131	0.313	1.333	1.327	1.470
FR1 n66_Ant 1	0.628	0.131	0.313	1.394	1.388	1.531
FR1 n71_Ant 1	0.350	0.131	0.313	1.116	1.110	1.253
FR1 n77_Ant 1	0.400	0.131	0.313	1.166	1.160	1.303

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	73.5	1.75	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.288	-61.5	35.0	-207.0				



<Case 150>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.182	0.313	1.319	1.313	1.456
WCDMA V_Ant 1	0.463	0.182	0.313	1.280	1.274	1.417
LTE Band 12_Ant 1	0.324	0.182	0.313	1.141	1.135	1.278
LTE Band 13_Ant 1	0.389	0.182	0.313	1.206	1.200	1.343
LTE Band 14_Ant 1	0.407	0.182	0.313	1.224	1.218	1.361
LTE Band 25_Ant 1	0.684	0.182	0.313	1.501	1.495	1.638
LTE Band 26_Ant 1	0.478	0.182	0.313	1.295	1.289	1.432
LTE Band 66_Ant 1	0.844	0.182	0.313	1.661	1.655	1.798
LTE Band 71_Ant 1	0.304	0.182	0.313	1.121	1.115	1.258
FR1 n12_Ant 1	0.228	0.182	0.313	1.045	1.039	1.182
FR1 n14_Ant 1	0.380	0.182	0.313	1.197	1.191	1.334
FR1 n25_Ant 1	0.836	0.182	0.313	1.653	1.647	1.790
FR1 n26_Ant 1	0.435	0.182	0.313	1.252	1.246	1.389
FR1 n41_Ant 1	0.694	0.182	0.313	1.511	1.505	1.648
FR1 n48_Ant 1	0.567	0.182	0.313	1.384	1.378	1.521
FR1 n66_Ant 1	0.628	0.182	0.313	1.445	1.439	1.582
FR1 n71_Ant 1	0.350	0.182	0.313	1.167	1.161	1.304
FR1 n77_Ant 1	0.400	0.182	0.313	1.217	1.211	1.354

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	71.7	1.80	0.03	Not required
Max WWAN Ant 1 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.339	-59.0	33.0	-207.0				



<Case 151>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Table with 17 columns: Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 3, WLAN 5/6GHz Ant 4+3, GSM1900 Ant 2, WCDMA II Ant 2, WCDMA IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, FR1 n25_Ant 5, FR1 n41_Ant 5, FR1 n48_Ant 5, FR1 n66_Ant 5, FR1 n77_Ant 5.

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

Table with 8 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 2 and Max WWAN Ant 5 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3.

<Case 152>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Table with 17 columns: Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4, WLAN 5/6GHz Ant 4+3, GSM1900 Ant 2, WCDMA II Ant 2, WCDMA IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, FR1 n25_Ant 5, FR1 n41_Ant 5, FR1 n48_Ant 5, FR1 n66_Ant 5, FR1 n77_Ant 5.

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

Table with 8 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 2 and Max WWAN Ant 5 + WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3.

<Case 153>

Table with 17 columns: Exposure Position, WWAN SAR, WLAN 2.4GHz Ant 4+3, WLAN 5/6GHz Ant 4+3, GSM1900 Ant 2, WCDMA II Ant 2, WCDMA IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, FR1 n25_Ant 5, FR1 n41_Ant 5, FR1 n48_Ant 5, FR1 n66_Ant 5, FR1 n77_Ant 5.

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

Table with 8 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 2 and Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3.

<Case 154>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
LTE Band 25_Ant 5	0.375	0.180	0.313	1.382	1.236	1.361
LTE Band 66_Ant 5	0.664	0.180	0.313	1.671	1.525	1.650
FR1 n25_Ant 5	0.487	0.180	0.313	1.494	1.348	1.473
FR1 n41_Ant 5	0.529	0.180	0.313	1.536	1.390	1.515
FR1 n48_Ant 5	0.385	0.180	0.313	1.392	1.246	1.371
FR1 n66_Ant 5	0.649	0.180	0.313	1.656	1.510	1.635
FR1 n77_Ant 5	0.559	0.180	0.313	1.566	1.420	1.545

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.3	1.67	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.157	14.0	28.0	-207.0				

<Case 155>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
LTE Band 25_Ant 5	0.375	0.131	0.313	1.333	1.187	1.312
LTE Band 66_Ant 5	0.664	0.131	0.313	1.622	1.476	1.601
FR1 n25_Ant 5	0.487	0.131	0.313	1.445	1.299	1.424
FR1 n41_Ant 5	0.529	0.131	0.313	1.487	1.341	1.466
FR1 n48_Ant 5	0.385	0.131	0.313	1.343	1.197	1.322
FR1 n66_Ant 5	0.649	0.131	0.313	1.607	1.461	1.586
FR1 n77_Ant 5	0.559	0.131	0.313	1.517	1.371	1.496

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	109.7	1.62	0.02	Not required
Max WWAN Ant 5+ WLAN2.4GHz Ant 4 + WLAN5/6GHz Ant 4+3	1.108	-61.5	35.0	-207.0				

<Case 156>

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

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
LTE Band 25_Ant 5	0.375	0.182	0.313	1.384	1.238	1.363
LTE Band 66_Ant 5	0.664	0.182	0.313	1.673	1.527	1.652
FR1 n25_Ant 5	0.487	0.182	0.313	1.496	1.350	1.475
FR1 n41_Ant 5	0.529	0.182	0.313	1.538	1.392	1.517
FR1 n48_Ant 5	0.385	0.182	0.313	1.394	1.248	1.373
FR1 n66_Ant 5	0.649	0.182	0.313	1.658	1.512	1.637
FR1 n77_Ant 5	0.559	0.182	0.313	1.568	1.422	1.547

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.570	7.5	-52.0	-207.0	80.6	1.73	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.159	11.0	28.5	-207.0				



<Case 157>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.361	0.316	0.459
LTE Band 25_Ant 5	0.375	0.180	0.313	1.229	1.184	1.327
LTE Band 66_Ant 5	0.664	0.180	0.313	1.518	1.473	1.616
FR1 n25_Ant 5	0.487	0.180	0.313	1.341	1.296	1.439
FR1 n41_Ant 5	0.529	0.180	0.313	1.383	1.338	1.481
FR1 n48_Ant 5	0.385	0.180	0.313	1.239	1.194	1.337
FR1 n66_Ant 5	0.649	0.180	0.313	1.503	1.458	1.601
FR1 n77_Ant 5	0.627	0.180	0.313	1.481	1.436	1.579

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	74.1	1.62	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 3 + WLAN5/6GHz Ant 4+3	1.157	-62.4	35.6	-207.0				

<Case 158>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN2.4GHz Ant 4+3	WLAN5/6GHz Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.361	0.316	0.459
LTE Band 25_Ant 5	0.375	0.182	0.313	1.231	1.186	1.329
LTE Band 66_Ant 5	0.664	0.182	0.313	1.520	1.475	1.618
FR1 n25_Ant 5	0.487	0.182	0.313	1.343	1.298	1.441
FR1 n41_Ant 5	0.529	0.182	0.313	1.385	1.340	1.483
FR1 n48_Ant 5	0.385	0.182	0.313	1.241	1.196	1.339
FR1 n66_Ant 5	0.649	0.182	0.313	1.505	1.460	1.603
FR1 n77_Ant 5	0.627	0.182	0.313	1.483	1.438	1.581

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	71.7	1.62	0.03	Not required
Max WWAN Ant 5 + WLAN2.4GHz Ant 4+3 + WLAN5/6GHz Ant 4+3	1.159	-59.0	33.0	-207.0				



<Case 159>

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

Table with columns for Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 3, GSM 850 Ant 0, GSM 1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0. Rows include Front, GSM850_Ant 1, WCDMA_V_Ant 1, LTE Band 12_Ant 1, LTE Band 13_Ant 1, LTE Band 14_Ant 1, LTE Band 25_Ant 1, LTE Band 26_Ant 1, LTE Band 66_Ant 1, LTE Band 71_Ant 1, FR1 n12_Ant 1, FR1 n14_Ant 1, FR1 n25_Ant 1, FR1 n26_Ant 1, FR1 n41_Ant 1, FR1 n48_Ant 1, FR1 n66_Ant 1, FR1 n71_Ant 1, FR1 n77_Ant 1.

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

Table with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows: Max WWAN Ant 0, Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3.



<Case 160>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCD MA II Ant 0	WCD MA IV Ant 0	WCD MA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n44 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Front	1g SAR (W/kg)			0.383	0.329	0.445	0.418	0.428	0.484	0.395	0.423	0.387	0.603	0.413	0.602	0.444	0.548	0.365	0.517	0.393	0.381	0.533	0.468	0.545	0.503	0.533	0.469	0.417	
GSM850_Ant 1	0.459	0.213	0.107	1.162	1.108	1.224	1.197	1.207	1.263	1.174	1.202	1.166	1.382	1.192	1.381	1.223	1.327	1.144	1.296	1.172	1.160	1.312	1.247	1.324	1.282	1.312	1.248	1.196	
WCDMA V_Ant 1	0.332	0.213	0.107	1.035	0.981	1.097	1.070	1.080	1.136	1.047	1.075	1.039	1.255	1.065	1.254	1.096	1.200	1.017	1.169	1.045	1.033	1.185	1.120	1.197	1.155	1.185	1.121	1.069	
LTE Band 12_Ant 1	0.290	0.213	0.107	0.993	0.939	1.055	1.028	1.038	1.094	1.005	1.033	0.997	1.213	1.023	1.212	1.054	1.158	0.975	1.127	1.003	0.991	1.143	1.078	1.155	1.113	1.143	1.079	1.027	
LTE Band 13_Ant 1	0.374	0.213	0.107	1.077	1.023	1.139	1.112	1.122	1.178	1.089	1.117	1.081	1.297	1.107	1.296	1.138	1.242	1.059	1.211	1.087	1.075	1.227	1.162	1.239	1.197	1.227	1.163	1.111	
LTE Band 14_Ant 1	0.327	0.213	0.107	1.030	0.976	1.092	1.065	1.075	1.131	1.042	1.070	1.034	1.250	1.060	1.249	1.091	1.195	1.012	1.164	1.040	1.028	1.180	1.115	1.192	1.150	1.180	1.116	1.064	
LTE Band 25_Ant 1	0.485	0.213	0.107	1.188	1.134	1.250	1.223	1.233	1.289	1.200	1.228	1.192	1.408	1.218	1.407	1.249	1.353	1.170	1.322	1.198	1.186	1.338	1.273	1.350	1.308	1.338	1.274	1.222	
LTE Band 26_Ant 1	0.331	0.213	0.107	1.034	0.980	1.096	1.069	1.079	1.135	1.046	1.074	1.038	1.254	1.064	1.253	1.095	1.199	1.016	1.168	1.044	1.032	1.184	1.119	1.196	1.154	1.184	1.120	1.068	
LTE Band 66_Ant 1	0.303	0.213	0.107	1.006	0.952	1.068	1.041	1.051	1.107	1.018	1.046	1.010	1.226	1.036	1.225	1.067	1.171	0.988	1.140	1.016	1.004	1.156	1.091	1.168	1.126	1.156	1.092	1.040	
LTE Band 71_Ant 1	0.254	0.213	0.107	0.957	0.903	1.019	0.992	1.002	1.058	0.969	0.997	0.961	1.177	0.987	1.176	1.018	1.122	0.939	1.091	0.967	0.955	1.107	1.042	1.119	1.077	1.107	1.043	0.991	
FR1 n12_Ant 1	0.274	0.213	0.107	0.977	0.923	1.039	1.012	1.022	1.078	0.989	1.017	0.981	1.197	1.007	1.196	1.038	1.142	0.959	1.111	0.987	0.975	1.127	1.062	1.139	1.097	1.127	1.063	1.011	
FR1 n14_Ant 1	0.332	0.213	0.107	1.035	0.981	1.097	1.070	1.080	1.136	1.047	1.075	1.039	1.255	1.065	1.254	1.096	1.200	1.017	1.169	1.045	1.033	1.185	1.120	1.197	1.155	1.185	1.121	1.069	
FR1 n25_Ant 1	0.684	0.213	0.107	1.387	1.333	1.449	1.422	1.432	1.488	1.399	1.427	1.391	1.607	1.417	1.606	1.448	1.552	1.369	1.521	1.397	1.385	1.537	1.472	1.549	1.507	1.537	1.473	1.421	
FR1 n26_Ant 1	0.379	0.213	0.107	1.082	1.028	1.144	1.117	1.127	1.183	1.094	1.122	1.086	1.302	1.112	1.301	1.143	1.247	1.064	1.216	1.092	1.080	1.232	1.167	1.244	1.202	1.232	1.168	1.116	
FR1 n41_Ant 1	0.398	0.213	0.107	1.101	1.047	1.163	1.136	1.146	1.202	1.113	1.141	1.105	1.321	1.131	1.320	1.162	1.266	1.083	1.235	1.111	1.099	1.251	1.186	1.263	1.221	1.251	1.187	1.135	
FR1 n48_Ant 1	0.402	0.213	0.107	1.105	1.051	1.167	1.140	1.150	1.206	1.117	1.145	1.109	1.325	1.135	1.324	1.166	1.270	1.087	1.239	1.115	1.103	1.255	1.190	1.267	1.225	1.255	1.191	1.139	
FR1 n66_Ant 1	0.571	0.213	0.107	1.274	1.220	1.336	1.309	1.319	1.375	1.286	1.314	1.278	1.494	1.304	1.493	1.335	1.439	1.256	1.408	1.284	1.272	1.424	1.359	1.436	1.394	1.424	1.360	1.308	
FR1 n71_Ant 1	0.304	0.213	0.107	1.007	0.953	1.069	1.042	1.052	1.108	1.019	1.047	1.011	1.227	1.037	1.226	1.068	1.172	0.989	1.141	1.017	1.005	1.157	1.092	1.169	1.127	1.157	1.093	1.041	
FR1 n77_Ant 1	0.539	0.213	0.107	1.242	1.188	1.304	1.277	1.287	1.343	1.254	1.282	1.246	1.462	1.272	1.461	1.303	1.407	1.224	1.376	1.252	1.240	1.392	1.327	1.404	1.362	1.392	1.328	1.276	

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.603	-57.5	-68.0	-207.0	98.7	1.61	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.004	-63.5	30.5	-207.0				



<Case 161>

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 3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.351	0.150	1.614	1.551	1.781	1.700	1.683	1.570	1.460	1.549	1.623	1.802	1.753	1.681	1.789	1.820	1.478	1.594	1.347	1.564	1.772	1.735	1.607	1.597	1.752	1.557	1.443
WCDMA V_Ant 1	0.463	0.351	0.150	1.575	1.512	1.742	1.661	1.644	1.531	1.421	1.510	1.584	1.763	1.714	1.642	1.750	1.781	1.439	1.555	1.308	1.525	1.733	1.696	1.568	1.558	1.713	1.518	1.404
LTE Band 12_Ant 1	0.324	0.351	0.150	1.436	1.373	1.603	1.522	1.505	1.392	1.282	1.371	1.445	1.624	1.575	1.503	1.611	1.642	1.300	1.416	1.169	1.386	1.594	1.557	1.429	1.419	1.574	1.379	1.265
LTE Band 13_Ant 1	0.389	0.351	0.150	1.501	1.438	1.668	1.587	1.570	1.457	1.347	1.436	1.510	1.689	1.640	1.568	1.676	1.707	1.365	1.481	1.234	1.451	1.659	1.622	1.494	1.484	1.639	1.444	1.330
LTE Band 14_Ant 1	0.407	0.351	0.150	1.519	1.456	1.686	1.605	1.588	1.475	1.365	1.454	1.528	1.707	1.658	1.586	1.694	1.725	1.383	1.499	1.252	1.469	1.677	1.640	1.512	1.502	1.657	1.462	1.348
LTE Band 25_Ant 1	0.684	0.351	0.150	1.796	1.733	1.963	1.882	1.865	1.752	1.642	1.731	1.805	1.984	1.935	1.863	1.971	2.002	1.660	1.776	1.529	1.746	1.954	1.917	1.789	1.779	1.934	1.739	1.625
LTE Band 26_Ant 1	0.478	0.351	0.150	1.590	1.527	1.757	1.676	1.659	1.546	1.436	1.525	1.599	1.778	1.729	1.657	1.765	1.796	1.454	1.570	1.323	1.540	1.748	1.711	1.583	1.573	1.728	1.533	1.419
LTE Band 66_Ant 1	0.844	0.351	0.150	1.956	1.893	2.123	2.042	2.025	1.912	1.802	1.891	1.965	2.144	2.095	2.023	2.131	2.162	1.820	1.936	1.689	1.906	2.114	2.077	1.949	1.939	2.094	1.899	1.785
LTE Band 71_Ant 1	0.304	0.351	0.150	1.416	1.353	1.583	1.502	1.485	1.372	1.262	1.351	1.425	1.604	1.555	1.483	1.591	1.622	1.280	1.396	1.149	1.366	1.574	1.537	1.409	1.399	1.554	1.359	1.245
FR1 n12_Ant 1	0.228	0.351	0.150	1.340	1.277	1.507	1.426	1.409	1.296	1.186	1.275	1.349	1.528	1.479	1.407	1.515	1.546	1.204	1.320	1.073	1.290	1.498	1.461	1.333	1.323	1.478	1.283	1.169
FR1 n14_Ant 1	0.380	0.351	0.150	1.492	1.429	1.659	1.578	1.561	1.448	1.338	1.427	1.501	1.680	1.631	1.559	1.667	1.698	1.356	1.472	1.225	1.442	1.650	1.613	1.485	1.475	1.630	1.435	1.321
FR1 n25_Ant 1	0.836	0.351	0.150	1.948	1.885	2.115	2.034	2.017	1.904	1.794	1.883	1.957	2.136	2.087	2.015	2.123	2.154	1.812	1.928	1.681	1.898	2.106	2.069	1.941	1.931	2.086	1.891	1.777
FR1 n26_Ant 1	0.435	0.351	0.150	1.547	1.484	1.714	1.633	1.616	1.503	1.393	1.482	1.556	1.735	1.686	1.614	1.722	1.753	1.411	1.527	1.280	1.497	1.705	1.668	1.540	1.530	1.685	1.490	1.376
FR1 n41_Ant 1	0.694	0.351	0.150	1.806	1.743	1.973	1.892	1.875	1.762	1.652	1.741	1.815	1.994	1.945	1.873	1.981	2.012	1.670	1.786	1.539	1.756	1.964	1.927	1.799	1.789	1.944	1.749	1.635
FR1 n48_Ant 1	0.567	0.351	0.150	1.679	1.616	1.846	1.765	1.748	1.635	1.525	1.614	1.688	1.867	1.818	1.746	1.854	1.885	1.543	1.659	1.412	1.629	1.837	1.800	1.672	1.662	1.817	1.622	1.508
FR1 n66_Ant 1	0.628	0.351	0.150	1.740	1.677	1.907	1.826	1.809	1.696	1.586	1.675	1.749	1.928	1.879	1.807	1.915	1.946	1.604	1.720	1.473	1.690	1.898	1.861	1.733	1.723	1.878	1.683	1.569
FR1 n71_Ant 1	0.350	0.351	0.150	1.462	1.399	1.629	1.548	1.531	1.418	1.308	1.397	1.471	1.650	1.601	1.529	1.637	1.668	1.326	1.442	1.195	1.412	1.620	1.583	1.455	1.445	1.600	1.405	1.291
FR1 n77_Ant 1	0.831	0.351	0.150	1.943	1.880	2.110	2.029	2.012	1.899	1.789	1.878	1.952	2.131	2.082	2.010	2.118	2.149	1.807	1.923	1.676	1.893	2.101	2.064	1.936	1.926	2.081	1.886	1.772

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-15.0	-73.5	-207.0	104.8	2.16	0.03	Not required
Max WWAN Ant 1+ WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.345	13.0	27.5	-207.0				



<Case 162>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.351	0.095	1.559	1.496	1.726	1.645	1.628	1.515	1.405	1.494	1.568	1.747	1.698	1.626	1.734	1.765	1.423	1.539	1.292	1.509	1.717	1.680	1.552	1.542	1.697	1.502	1.388
WCDMA V_Ant 1	0.463	0.351	0.095	1.520	1.457	1.687	1.606	1.589	1.476	1.366	1.455	1.529	1.708	1.659	1.587	1.695	1.726	1.384	1.500	1.253	1.470	1.678	1.641	1.513	1.503	1.658	1.463	1.349
LTE Band 12_Ant 1	0.324	0.351	0.095	1.381	1.318	1.548	1.467	1.450	1.337	1.227	1.316	1.390	1.569	1.520	1.448	1.556	1.587	1.245	1.361	1.114	1.331	1.539	1.502	1.374	1.364	1.519	1.324	1.210
LTE Band 13_Ant 1	0.389	0.351	0.095	1.446	1.383	1.613	1.532	1.515	1.402	1.292	1.381	1.455	1.634	1.585	1.513	1.621	1.652	1.310	1.426	1.179	1.396	1.604	1.567	1.439	1.429	1.584	1.389	1.275
LTE Band 14_Ant 1	0.407	0.351	0.095	1.464	1.401	1.631	1.550	1.533	1.420	1.310	1.399	1.473	1.652	1.603	1.531	1.639	1.670	1.328	1.444	1.197	1.414	1.622	1.585	1.457	1.447	1.602	1.407	1.293
LTE Band 25_Ant 1	0.684	0.351	0.095	1.741	1.678	1.908	1.827	1.810	1.697	1.587	1.676	1.750	1.929	1.880	1.808	1.916	1.947	1.605	1.721	1.474	1.691	1.899	1.862	1.734	1.724	1.879	1.684	1.570
LTE Band 26_Ant 1	0.478	0.351	0.095	1.535	1.472	1.702	1.621	1.604	1.491	1.381	1.470	1.544	1.723	1.674	1.602	1.710	1.741	1.399	1.515	1.268	1.485	1.693	1.656	1.528	1.518	1.673	1.478	1.364
LTE Band 66_Ant 1	0.844	0.351	0.095	1.901	1.838	2.068	1.987	1.970	1.857	1.747	1.836	1.910	2.089	2.040	1.968	2.076	2.107	1.765	1.881	1.634	1.851	2.059	2.022	1.894	1.884	2.039	1.844	1.730
LTE Band 71_Ant 1	0.304	0.351	0.095	1.361	1.298	1.528	1.447	1.430	1.317	1.207	1.296	1.370	1.549	1.500	1.428	1.536	1.567	1.225	1.341	1.094	1.311	1.519	1.482	1.354	1.344	1.499	1.304	1.190
FR1 n12_Ant 1	0.228	0.351	0.095	1.285	1.222	1.452	1.371	1.354	1.241	1.131	1.220	1.294	1.473	1.424	1.352	1.460	1.491	1.149	1.265	1.018	1.235	1.443	1.406	1.278	1.268	1.423	1.228	1.114
FR1 n14_Ant 1	0.380	0.351	0.095	1.437	1.374	1.604	1.523	1.506	1.393	1.283	1.372	1.446	1.625	1.576	1.504	1.612	1.643	1.301	1.417	1.170	1.387	1.595	1.558	1.430	1.420	1.575	1.380	1.266
FR1 n25_Ant 1	0.836	0.351	0.095	1.893	1.830	2.060	1.979	1.962	1.849	1.739	1.828	1.902	2.081	2.032	1.960	2.068	2.099	1.757	1.873	1.626	1.843	2.051	2.014	1.886	1.876	2.031	1.836	1.722
FR1 n26_Ant 1	0.435	0.351	0.095	1.492	1.429	1.659	1.578	1.561	1.448	1.338	1.427	1.501	1.680	1.631	1.559	1.667	1.698	1.356	1.472	1.225	1.442	1.650	1.613	1.485	1.475	1.630	1.435	1.321
FR1 n41_Ant 1	0.694	0.351	0.095	1.751	1.688	1.918	1.837	1.820	1.707	1.597	1.686	1.760	1.939	1.890	1.818	1.926	1.957	1.615	1.731	1.484	1.701	1.909	1.872	1.744	1.734	1.889	1.694	1.580
FR1 n48_Ant 1	0.567	0.351	0.095	1.624	1.561	1.791	1.710	1.693	1.580	1.470	1.559	1.633	1.812	1.763	1.691	1.799	1.830	1.488	1.604	1.357	1.574	1.782	1.745	1.617	1.607	1.762	1.567	1.453
FR1 n66_Ant 1	0.628	0.351	0.095	1.685	1.622	1.852	1.771	1.754	1.641	1.531	1.620	1.694	1.873	1.824	1.752	1.860	1.891	1.549	1.665	1.418	1.635	1.843	1.806	1.678	1.668	1.823	1.628	1.514
FR1 n71_Ant 1	0.350	0.351	0.095	1.407	1.344	1.574	1.493	1.476	1.363	1.253	1.342	1.416	1.595	1.546	1.474	1.582	1.613	1.271	1.387	1.140	1.357	1.565	1.528	1.400	1.390	1.545	1.350	1.236
FR1 n77_Ant 1	0.831	0.351	0.095	1.888	1.825	2.055	1.974	1.957	1.844	1.734	1.823	1.897	2.076	2.027	1.955	2.063	2.094	1.752	1.868	1.621	1.838	2.046	2.009	1.881	1.871	2.026	1.831	1.717

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-21.5	-72.5	-207.0	116.7	2.11	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.290	-57.5	38.5	-207.0				



<Case 163>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM850_Ant 1	0.502	0.351	0.151	1.615	1.552	1.782	1.701	1.684	1.571	1.461	1.550	1.624	1.803	1.754	1.682	1.790	1.821	1.479	1.595	1.348	1.565	1.773	1.736	1.608	1.598	1.753	1.558	1.444
WCDMA V_Ant 1	0.463	0.351	0.151	1.576	1.513	1.743	1.662	1.645	1.532	1.422	1.511	1.585	1.764	1.715	1.643	1.751	1.782	1.440	1.556	1.309	1.526	1.734	1.697	1.569	1.559	1.714	1.519	1.405
LTE Band 12_Ant 1	0.324	0.351	0.151	1.437	1.374	1.604	1.523	1.506	1.393	1.283	1.372	1.446	1.625	1.576	1.504	1.612	1.643	1.301	1.417	1.170	1.387	1.595	1.558	1.430	1.420	1.575	1.380	1.266
LTE Band 13_Ant 1	0.389	0.351	0.151	1.502	1.439	1.669	1.588	1.571	1.458	1.348	1.437	1.511	1.690	1.641	1.569	1.677	1.708	1.366	1.482	1.235	1.452	1.660	1.623	1.495	1.485	1.640	1.445	1.331
LTE Band 14_Ant 1	0.407	0.351	0.151	1.520	1.457	1.687	1.606	1.589	1.476	1.366	1.455	1.529	1.708	1.659	1.587	1.695	1.726	1.384	1.500	1.253	1.470	1.678	1.641	1.513	1.503	1.658	1.463	1.349
LTE Band 25_Ant 1	0.684	0.351	0.151	1.797	1.734	1.964	1.883	1.866	1.753	1.643	1.732	1.806	1.985	1.936	1.864	1.972	2.003	1.661	1.777	1.530	1.747	1.955	1.918	1.790	1.780	1.935	1.740	1.626
LTE Band 26_Ant 1	0.478	0.351	0.151	1.591	1.528	1.758	1.677	1.660	1.547	1.437	1.526	1.600	1.779	1.730	1.658	1.766	1.797	1.455	1.571	1.324	1.541	1.749	1.712	1.584	1.574	1.729	1.534	1.420
LTE Band 66_Ant 1	0.844	0.351	0.151	1.957	1.894	2.124	2.043	2.026	1.913	1.803	1.892	1.966	2.145	2.096	2.024	2.132	2.163	1.821	1.937	1.690	1.907	2.115	2.078	1.950	1.940	2.095	1.900	1.786
LTE Band 71_Ant 1	0.304	0.351	0.151	1.417	1.354	1.584	1.503	1.486	1.373	1.263	1.352	1.426	1.605	1.556	1.484	1.592	1.623	1.281	1.397	1.150	1.367	1.575	1.538	1.410	1.400	1.555	1.360	1.246
FR1 n12_Ant 1	0.228	0.351	0.151	1.341	1.278	1.508	1.427	1.410	1.297	1.187	1.276	1.350	1.529	1.480	1.408	1.516	1.547	1.205	1.321	1.074	1.291	1.499	1.462	1.334	1.324	1.479	1.284	1.170
FR1 n14_Ant 1	0.380	0.351	0.151	1.493	1.430	1.660	1.579	1.562	1.449	1.339	1.428	1.502	1.681	1.632	1.560	1.668	1.699	1.357	1.473	1.226	1.443	1.651	1.614	1.486	1.476	1.631	1.436	1.322
FR1 n25_Ant 1	0.836	0.351	0.151	1.949	1.886	2.116	2.035	2.018	1.905	1.795	1.884	1.958	2.137	2.088	2.016	2.124	2.155	1.813	1.929	1.682	1.899	2.107	2.070	1.942	1.932	2.087	1.892	1.778
FR1 n26_Ant 1	0.435	0.351	0.151	1.548	1.485	1.715	1.634	1.617	1.504	1.394	1.483	1.557	1.736	1.687	1.615	1.723	1.754	1.412	1.528	1.281	1.498	1.706	1.669	1.541	1.531	1.686	1.491	1.377
FR1 n41_Ant 1	0.694	0.351	0.151	1.807	1.744	1.974	1.893	1.876	1.763	1.653	1.742	1.816	1.995	1.946	1.874	1.982	2.013	1.671	1.787	1.540	1.757	1.965	1.928	1.800	1.790	1.945	1.750	1.636
FR1 n48_Ant 1	0.567	0.351	0.151	1.680	1.617	1.847	1.766	1.749	1.636	1.526	1.615	1.689	1.868	1.819	1.747	1.855	1.886	1.544	1.660	1.413	1.630	1.838	1.801	1.673	1.663	1.818	1.623	1.509
FR1 n66_Ant 1	0.628	0.351	0.151	1.741	1.678	1.908	1.827	1.810	1.697	1.587	1.676	1.750	1.929	1.880	1.808	1.916	1.947	1.605	1.721	1.474	1.691	1.899	1.862	1.734	1.724	1.879	1.684	1.570
FR1 n71_Ant 1	0.350	0.351	0.151	1.463	1.400	1.630	1.549	1.532	1.419	1.309	1.398	1.472	1.651	1.602	1.530	1.638	1.669	1.327	1.443	1.196	1.413	1.621	1.584	1.456	1.446	1.601	1.406	1.292
FR1 n77_Ant 1	0.831	0.351	0.151	1.944	1.881	2.111	2.030	2.013	1.900	1.790	1.879	1.953	2.132	2.083	2.011	2.119	2.150	1.808	1.924	1.677	1.894	2.102	2.065	1.937	1.927	2.082	1.887	1.773

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0	0.817	-21.5	-72.5	-207.0	101.0	2.16	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.346	-7.5	27.5	-207.0				



<Case 164>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM1900_Ant 2	0.533	0.351	0.150	1.645	1.582	1.812	1.731	1.714	1.601	1.491	1.580	1.654	1.833	1.784	1.712	1.820	1.851	1.509	1.625	1.378	1.595	1.803	1.766	1.638	1.628	1.783	1.588	1.474
WCDMA II_Ant 2	0.529	0.351	0.150	1.641	1.578	1.808	1.727	1.710	1.597	1.487	1.576	1.650	1.829	1.780	1.708	1.816	1.847	1.505	1.621	1.374	1.591	1.799	1.762	1.634	1.624	1.779	1.584	1.470
WCDMA IV_Ant 2	0.491	0.351	0.150	1.603	1.540	1.770	1.689	1.672	1.559	1.449	1.538	1.612	1.791	1.742	1.670	1.778	1.809	1.467	1.583	1.336	1.553	1.761	1.724	1.596	1.586	1.741	1.546	1.432
LTE Band 7_Ant 2	0.486	0.351	0.150	1.598	1.535	1.765	1.684	1.667	1.554	1.444	1.533	1.607	1.786	1.737	1.665	1.773	1.804	1.462	1.578	1.331	1.548	1.756	1.719	1.591	1.581	1.736	1.541	1.427
LTE Band 25_Ant 2	0.354	0.351	0.150	1.466	1.403	1.633	1.552	1.535	1.422	1.312	1.401	1.475	1.654	1.605	1.533	1.641	1.672	1.330	1.446	1.199	1.416	1.624	1.587	1.459	1.449	1.604	1.409	1.295
LTE Band 30_Ant 2	0.522	0.351	0.150	1.634	1.571	1.801	1.720	1.703	1.590	1.480	1.569	1.643	1.822	1.773	1.701	1.809	1.840	1.498	1.614	1.367	1.584	1.792	1.755	1.627	1.617	1.772	1.577	1.463
LTE Band 41_Ant 2	0.530	0.351	0.150	1.642	1.579	1.809	1.728	1.711	1.598	1.488	1.577	1.651	1.830	1.781	1.709	1.817	1.848	1.506	1.622	1.375	1.592	1.800	1.763	1.635	1.625	1.780	1.585	1.471
LTE Band 66_Ant 2	0.376	0.351	0.150	1.488	1.425	1.655	1.574	1.557	1.444	1.334	1.423	1.497	1.676	1.627	1.555	1.663	1.694	1.352	1.468	1.221	1.438	1.646	1.609	1.481	1.471	1.626	1.431	1.317
FR1 n7_Ant 2	0.536	0.351	0.150	1.648	1.585	1.815	1.734	1.717	1.604	1.494	1.583	1.657	1.836	1.787	1.715	1.823	1.854	1.512	1.628	1.381	1.598	1.806	1.769	1.641	1.631	1.786	1.591	1.477
FR1 n25_Ant 2	0.408	0.351	0.150	1.520	1.457	1.687	1.606	1.589	1.476	1.366	1.455	1.529	1.708	1.659	1.587	1.695	1.726	1.384	1.500	1.253	1.470	1.678	1.641	1.513	1.503	1.658	1.463	1.349
FR1 n30_Ant 2	0.533	0.351	0.150	1.645	1.582	1.812	1.731	1.714	1.601	1.491	1.580	1.654	1.833	1.784	1.712	1.820	1.851	1.509	1.625	1.378	1.595	1.803	1.766	1.638	1.628	1.783	1.588	1.474
FR1 n41_Ant 2	0.480	0.351	0.150	1.592	1.529	1.759	1.678	1.661	1.548	1.438	1.527	1.601	1.780	1.731	1.659	1.767	1.798	1.456	1.572	1.325	1.542	1.750	1.713	1.585	1.575	1.730	1.535	1.421
FR1 n66_Ant 2	0.530	0.351	0.150	1.642	1.579	1.809	1.728	1.711	1.598	1.488	1.577	1.651	1.830	1.781	1.709	1.817	1.848	1.506	1.622	1.375	1.592	1.800	1.763	1.635	1.625	1.780	1.585	1.471
FR1 n70_Ant 2	0.442	0.351	0.150	1.554	1.491	1.721	1.640	1.623	1.510	1.400	1.489	1.563	1.742	1.693	1.621	1.729	1.760	1.418	1.534	1.287	1.504	1.712	1.675	1.547	1.537	1.692	1.497	1.383

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0+2	1.353	-56.0	-47.5	-207.0	101.9	1.50	0.02	Not required
BT Ant 3	0.150	13.0	27.5	-207.0				
Max WLAN5/6G Ant 3+4	0.351	-66.0	32.5	-207.0	79.2	0.50	0.00	Not required
BT Ant 3	0.150	13.0	27.5	-207.0				



<Case 165>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4	GSM 850 Ant 0	GSM 1900 Ant 0	WCDMA A II_Ant 0	WCDMA A IV_Ant 0	WCDMA A V_Ant 0	LTE Band 7_Ant 0	LTE Band 12_Ant 0	LTE Band 13_Ant 0	LTE Band 14_Ant 0	LTE Band 25_Ant 0	LTE Band 26_Ant 0	LTE Band 30_Ant 0	LTE Band 41_Ant 0	LTE Band 66_Ant 0	LTE Band 71_Ant 0	FR1 n7_Ant 0	FR1 n12_Ant 0	FR1 n14_Ant 0	FR1 n25_Ant 0	FR1 n26_Ant 0	FR1 n30_Ant 0	FR1 n41_Ant 0	FR1 n66_Ant 0	FR1 n70_Ant 0	FR1 n71_Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM1900_Ant 2	0.533	0.351	0.095	1.590	1.527	1.757	1.676	1.659	1.546	1.436	1.525	1.599	1.778	1.729	1.657	1.765	1.796	1.454	1.570	1.323	1.540	1.748	1.711	1.583	1.573	1.728	1.533	1.419
WCDMA II_Ant 2	0.529	0.351	0.095	1.586	1.523	1.753	1.672	1.655	1.542	1.432	1.521	1.595	1.774	1.725	1.653	1.761	1.792	1.450	1.566	1.319	1.536	1.744	1.707	1.579	1.569	1.724	1.529	1.415
WCDMA IV_Ant 2	0.491	0.351	0.095	1.548	1.485	1.715	1.634	1.617	1.504	1.394	1.483	1.557	1.736	1.687	1.615	1.723	1.754	1.412	1.528	1.281	1.498	1.706	1.669	1.541	1.531	1.686	1.491	1.377
LTE Band 7_Ant 2	0.486	0.351	0.095	1.543	1.480	1.710	1.629	1.612	1.499	1.389	1.478	1.552	1.731	1.682	1.610	1.718	1.749	1.407	1.523	1.276	1.493	1.701	1.664	1.536	1.526	1.681	1.486	1.372
LTE Band 25_Ant 2	0.354	0.351	0.095	1.411	1.348	1.578	1.497	1.480	1.367	1.257	1.346	1.420	1.599	1.550	1.478	1.586	1.617	1.275	1.391	1.144	1.361	1.569	1.532	1.404	1.394	1.549	1.354	1.240
LTE Band 30_Ant 2	0.522	0.351	0.095	1.579	1.516	1.746	1.665	1.648	1.535	1.425	1.514	1.588	1.767	1.718	1.646	1.754	1.785	1.443	1.559	1.312	1.529	1.737	1.700	1.572	1.562	1.717	1.522	1.408
LTE Band 41_Ant 2	0.530	0.351	0.095	1.587	1.524	1.754	1.673	1.656	1.543	1.433	1.522	1.596	1.775	1.726	1.654	1.762	1.793	1.451	1.567	1.320	1.537	1.745	1.708	1.580	1.570	1.725	1.530	1.416
LTE Band 66_Ant 2	0.376	0.351	0.095	1.433	1.370	1.600	1.519	1.502	1.389	1.279	1.368	1.442	1.621	1.572	1.500	1.608	1.639	1.297	1.413	1.166	1.383	1.591	1.554	1.426	1.416	1.571	1.376	1.262
FR1 n7_Ant 2	0.536	0.351	0.095	1.593	1.530	1.760	1.679	1.662	1.549	1.439	1.528	1.602	1.781	1.732	1.660	1.768	1.799	1.457	1.573	1.326	1.543	1.751	1.714	1.586	1.576	1.731	1.536	1.422
FR1 n25_Ant 2	0.408	0.351	0.095	1.465	1.402	1.632	1.551	1.534	1.421	1.311	1.400	1.474	1.653	1.604	1.532	1.640	1.671	1.329	1.445	1.198	1.415	1.623	1.586	1.458	1.448	1.603	1.408	1.294
FR1 n30_Ant 2	0.533	0.351	0.095	1.590	1.527	1.757	1.676	1.659	1.546	1.436	1.525	1.599	1.778	1.729	1.657	1.765	1.796	1.454	1.570	1.323	1.540	1.748	1.711	1.583	1.573	1.728	1.533	1.419
FR1 n41_Ant 2	0.480	0.351	0.095	1.537	1.474	1.704	1.623	1.606	1.493	1.383	1.472	1.546	1.725	1.676	1.604	1.712	1.743	1.401	1.517	1.270	1.487	1.695	1.658	1.530	1.520	1.675	1.480	1.366
FR1 n66_Ant 2	0.530	0.351	0.095	1.587	1.524	1.754	1.673	1.656	1.543	1.433	1.522	1.596	1.775	1.726	1.654	1.762	1.793	1.451	1.567	1.320	1.537	1.745	1.708	1.580	1.570	1.725	1.530	1.416
FR1 n70_Ant 2	0.442	0.351	0.095	1.499	1.436	1.666	1.585	1.568	1.455	1.345	1.434	1.508	1.687	1.638	1.566	1.674	1.705	1.363	1.479	1.232	1.449	1.657	1.620	1.492	1.482	1.637	1.442	1.328

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0+2	1.353	-60.0	-45.5	-207.0	84.0	1.45	0.02	Not required
BT Ant 4	0.095	-57.5	38.5	-207.0				
Max WLAN5/6G Ant 3+4	0.351	-66.0	32.5	-207.0	10.4	0.45	0.03	Not required
BT Ant 4	0.095	-57.5	38.5	-207.0				



<Case 166>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	GSM850 Ant 0	GSM1900 Ant 0	WCDMA II Ant 0	WCDMA IV Ant 0	WCDMA V Ant 0	LTE Band 7 Ant 0	LTE Band 12 Ant 0	LTE Band 13 Ant 0	LTE Band 14 Ant 0	LTE Band 25 Ant 0	LTE Band 26 Ant 0	LTE Band 30 Ant 0	LTE Band 41 Ant 0	LTE Band 66 Ant 0	LTE Band 71 Ant 0	FR1 n7 Ant 0	FR1 n12 Ant 0	FR1 n14 Ant 0	FR1 n25 Ant 0	FR1 n26 Ant 0	FR1 n30 Ant 0	FR1 n41 Ant 0	FR1 n66 Ant 0	FR1 n70 Ant 0	FR1 n71 Ant 0
Back	1g SAR (W/kg)			0.611	0.548	0.778	0.697	0.680	0.567	0.457	0.546	0.620	0.799	0.750	0.678	0.786	0.817	0.475	0.591	0.344	0.561	0.769	0.732	0.604	0.594	0.749	0.554	0.440
GSM1900_Ant 2	0.533	0.351	0.151	1.646	1.583	1.813	1.732	1.715	1.602	1.492	1.581	1.655	1.834	1.785	1.713	1.821	1.852	1.510	1.626	1.379	1.596	1.804	1.767	1.639	1.629	1.784	1.589	1.475
WCDMA II_Ant 2	0.529	0.351	0.151	1.642	1.579	1.809	1.728	1.711	1.598	1.488	1.577	1.651	1.830	1.781	1.709	1.817	1.848	1.506	1.622	1.375	1.592	1.800	1.763	1.635	1.625	1.780	1.585	1.471
WCDMA IV_Ant 2	0.491	0.351	0.151	1.604	1.541	1.771	1.690	1.673	1.560	1.450	1.539	1.613	1.792	1.743	1.671	1.779	1.810	1.468	1.584	1.337	1.554	1.762	1.725	1.597	1.587	1.742	1.547	1.433
LTE Band 7_Ant 2	0.486	0.351	0.151	1.599	1.536	1.766	1.685	1.668	1.555	1.445	1.534	1.608	1.787	1.738	1.666	1.774	1.805	1.463	1.579	1.332	1.549	1.757	1.720	1.592	1.582	1.737	1.542	1.428
LTE Band 25_Ant 2	0.354	0.351	0.151	1.467	1.404	1.634	1.553	1.536	1.423	1.313	1.402	1.476	1.655	1.606	1.534	1.642	1.673	1.331	1.447	1.200	1.417	1.625	1.588	1.460	1.450	1.605	1.410	1.296
LTE Band 30_Ant 2	0.522	0.351	0.151	1.635	1.572	1.802	1.721	1.704	1.591	1.481	1.570	1.644	1.823	1.774	1.702	1.810	1.841	1.499	1.615	1.368	1.585	1.793	1.756	1.628	1.618	1.773	1.578	1.464
LTE Band 41_Ant 2	0.530	0.351	0.151	1.643	1.580	1.810	1.729	1.712	1.599	1.489	1.578	1.652	1.831	1.782	1.710	1.818	1.849	1.507	1.623	1.376	1.593	1.801	1.764	1.636	1.626	1.781	1.586	1.472
LTE Band 66_Ant 2	0.376	0.351	0.151	1.489	1.426	1.656	1.575	1.558	1.445	1.335	1.424	1.498	1.677	1.628	1.556	1.664	1.695	1.353	1.469	1.222	1.439	1.647	1.610	1.482	1.472	1.627	1.432	1.318
FR1 n7_Ant 2	0.536	0.351	0.151	1.649	1.586	1.816	1.735	1.718	1.605	1.495	1.584	1.658	1.837	1.788	1.716	1.824	1.855	1.513	1.629	1.382	1.599	1.807	1.770	1.642	1.632	1.787	1.592	1.478
FR1 n25_Ant 2	0.408	0.351	0.151	1.521	1.458	1.688	1.607	1.590	1.477	1.367	1.456	1.530	1.709	1.660	1.588	1.696	1.727	1.385	1.501	1.254	1.471	1.679	1.642	1.514	1.504	1.659	1.464	1.350
FR1 n30_Ant 2	0.533	0.351	0.151	1.646	1.583	1.813	1.732	1.715	1.602	1.492	1.581	1.655	1.834	1.785	1.713	1.821	1.852	1.510	1.626	1.379	1.596	1.804	1.767	1.639	1.629	1.784	1.589	1.475
FR1 n41_Ant 2	0.480	0.351	0.151	1.593	1.530	1.760	1.679	1.662	1.549	1.439	1.528	1.602	1.781	1.732	1.660	1.768	1.799	1.457	1.573	1.326	1.543	1.751	1.714	1.586	1.576	1.731	1.536	1.422
FR1 n66_Ant 2	0.530	0.351	0.151	1.643	1.580	1.810	1.729	1.712	1.599	1.489	1.578	1.652	1.831	1.782	1.710	1.818	1.849	1.507	1.623	1.376	1.593	1.801	1.764	1.636	1.626	1.781	1.586	1.472
FR1 n70_Ant 2	0.442	0.351	0.151	1.555	1.492	1.722	1.641	1.624	1.511	1.401	1.490	1.564	1.743	1.694	1.622	1.730	1.761	1.419	1.535	1.288	1.505	1.713	1.676	1.548	1.538	1.693	1.498	1.384

SPLSR calculation for above summation SAR>1.6W/kg

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 0+2	1.353	-56.0	-47.5	-207.0	89.3	1.50	0.02	Not required
BT Ant 3+4	0.151	-7.5	27.5	-207.0				
Max WWAN Ant 0+2	1.353	-60.0	-45.5	-207.0	101.3	1.70	0.02	Not required
Max WLAN5/6G Ant 3+4	0.351	-64.4	55.7	-207.0				
BT Ant 3+4	0.151	-64.4	55.7	-207.0	23.3	0.50	0.02	Not required
Max WLAN5/6G Ant 3+4	0.351	-66.0	32.5	-207.0				



<Case 167>

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

Table with 27 columns (Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 3, GSM850 Ant 0, GSM1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and rows for Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, and FR1 n25_Ant 5 to FR1 n77_Ant 5.

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

Summary table for Case 167 with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4.

<Case 168>

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

Table with 27 columns (Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 4, GSM850 Ant 0, GSM1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and rows for Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, and FR1 n25_Ant 5 to FR1 n77_Ant 5.

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

Summary table for Case 168 with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4.

<Case 169>

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

Table with 27 columns (Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 4+3, GSM850 Ant 0, GSM1900 Ant 0, WCDMA II Ant 0, WCDMA IV Ant 0, WCDMA V Ant 0, LTE Band 7 Ant 0, LTE Band 12 Ant 0, LTE Band 13 Ant 0, LTE Band 14 Ant 0, LTE Band 25 Ant 0, LTE Band 26 Ant 0, LTE Band 30 Ant 0, LTE Band 41 Ant 0, LTE Band 66 Ant 0, LTE Band 71 Ant 0, FR1 n7 Ant 0, FR1 n12 Ant 0, FR1 n14 Ant 0, FR1 n25 Ant 0, FR1 n26 Ant 0, FR1 n30 Ant 0, FR1 n41 Ant 0, FR1 n66 Ant 0, FR1 n70 Ant 0, FR1 n71 Ant 0) and rows for Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, and FR1 n25_Ant 5 to FR1 n77_Ant 5.

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

Summary table for Case 169 with columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows include Max WWAN Ant 0 and Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3.



<Case 170>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 0	0.611	0.351	0.150	1.434	1.428	1.571
GSM1900_Ant 0	0.548	0.351	0.150	1.371	1.365	1.508
WCDMA II_Ant 0	0.778	0.351	0.150	1.601	1.595	1.738
WCDMA IV_Ant 0	0.697	0.351	0.150	1.520	1.514	1.657
WCDMA V_Ant 0	0.680	0.351	0.150	1.503	1.497	1.640
LTE Band 7_Ant 0	0.567	0.351	0.150	1.390	1.384	1.527
LTE Band 12_Ant 0	0.457	0.351	0.150	1.280	1.274	1.417
LTE Band 13_Ant 0	0.546	0.351	0.150	1.369	1.363	1.506
LTE Band 14_Ant 0	0.620	0.351	0.150	1.443	1.437	1.580
LTE Band 25_Ant 0	0.799	0.351	0.150	1.622	1.616	1.759
LTE Band 26_Ant 0	0.750	0.351	0.150	1.573	1.567	1.710
LTE Band 30_Ant 0	0.678	0.351	0.150	1.501	1.495	1.638
LTE Band 41_Ant 0	0.786	0.351	0.150	1.609	1.603	1.746
LTE Band 66_Ant 0	0.817	0.351	0.150	1.640	1.634	1.777
LTE Band 71_Ant 0	0.475	0.351	0.150	1.298	1.292	1.435
FR1 n7_Ant 0	0.591	0.351	0.150	1.414	1.408	1.551
FR1 n12_Ant 0	0.344	0.351	0.150	1.167	1.161	1.304
FR1 n14_Ant 0	0.561	0.351	0.150	1.384	1.378	1.521
FR1 n25_Ant 0	0.769	0.351	0.150	1.592	1.586	1.729
FR1 n26_Ant 0	0.732	0.351	0.150	1.555	1.549	1.692
FR1 n30_Ant 0	0.604	0.351	0.150	1.427	1.421	1.564
FR1 n41_Ant 0	0.594	0.351	0.150	1.417	1.411	1.554
FR1 n66_Ant 0	0.749	0.351	0.150	1.572	1.566	1.709
FR1 n70_Ant 0	0.554	0.351	0.150	1.377	1.371	1.514
FR1 n71_Ant 0	0.440	0.351	0.150	1.263	1.257	1.400

SAR peak location (mm)			X (axis)	Y (axis)	Z (axis)	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
			-64.4	13	-65	-59.5	-64				
			55.7	27.5	-44	-44.5	-38.5				
			-207	-207	-207	-207	-207				
X (axis)	Y (axis)	Z (axis)	Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7		
			Back	1g SAR (W/kg)			0.322	0.316	0.459		
-15.4	-78.9	-207	GSM850_Ant 0	0.611	0.351	0.150					
-12.4	-76.6	-207	GSM1900_Ant 0	0.548	0.351	0.150					
-20.4	-73.9	-207	WCDMA II_Ant 0	0.778	0.351	0.150	0.04	0.04	0.04		
-15.9	-74.9	-207	WCDMA IV_Ant 0	0.697	0.351	0.150			0.04		
-14.9	-78.9	-207	WCDMA V_Ant 0	0.680	0.351	0.150			0.03		
-16	-75	-207	LTE Band 7_Ant 0	0.567	0.351	0.150					
-19.4	-76.9	-207	LTE Band 12_Ant 0	0.457	0.351	0.150					
-19.6	-77.9	-207	LTE Band 13_Ant 0	0.546	0.351	0.150					
-23.3	-78.9	-207	LTE Band 14_Ant 0	0.620	0.351	0.150					
-3.9	-76.6	-207	LTE Band 25_Ant 0	0.799	0.351	0.150	0.03	0.03	0.03		
-15.2	-81.4	-207	LTE Band 26_Ant 0	0.750	0.351	0.150					
-14.5	-77	-207	LTE Band 30_Ant 0	0.678	0.351	0.150			0.03		
-15	-73.5	-207	LTE Band 41_Ant 0	0.786	0.351	0.150	0.04	0.04	0.04		
-7.1	-77.1	-207	LTE Band 66_Ant 0	0.817	0.351	0.150	0.03	0.03	0.03		
-16.1	-76.4	-207	LTE Band 71_Ant 0	0.475	0.351	0.150					
-21.5	-72.5	-207	FR1 n7_Ant 0	0.591	0.351	0.150					
-13.9	-74.1	-207	FR1 n12_Ant 0	0.344	0.351	0.150					
-13.6	-80.4	-207	FR1 n14_Ant 0	0.561	0.351	0.150					
-13.9	-77.1	-207	FR1 n25_Ant 0	0.769	0.351	0.150				0.04	
-12.2	-81.4	-207	FR1 n26_Ant 0	0.732	0.351	0.150				0.03	
-11	-77.5	-207	FR1 n30_Ant 0	0.604	0.351	0.150					
-21.5	-74.5	-207	FR1 n41_Ant 0	0.594	0.351	0.150					
-16.9	-76.4	-207	FR1 n66_Ant 0	0.749	0.351	0.150				0.04	
-13.4	-78.6	-207	FR1 n70_Ant 0	0.554	0.351	0.150					
-20.7	-77.6	-207	FR1 n71_Ant 0	0.440	0.351	0.150					



<Case 171>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 0	0.611	0.351	0.095	1.379	1.373	1.516
GSM1900_Ant 0	0.548	0.351	0.095	1.316	1.310	1.453
WCDMA II_Ant 0	0.778	0.351	0.095	1.546	1.540	1.683
WCDMA IV_Ant 0	0.697	0.351	0.095	1.465	1.459	1.602
WCDMA V_Ant 0	0.680	0.351	0.095	1.448	1.442	1.585
LTE Band 7_Ant 0	0.567	0.351	0.095	1.335	1.329	1.472
LTE Band 12_Ant 0	0.457	0.351	0.095	1.225	1.219	1.362
LTE Band 13_Ant 0	0.546	0.351	0.095	1.314	1.308	1.451
LTE Band 14_Ant 0	0.620	0.351	0.095	1.388	1.382	1.525
LTE Band 25_Ant 0	0.799	0.351	0.095	1.567	1.561	1.704
LTE Band 26_Ant 0	0.750	0.351	0.095	1.518	1.512	1.655
LTE Band 30_Ant 0	0.678	0.351	0.095	1.446	1.440	1.583
LTE Band 41_Ant 0	0.786	0.351	0.095	1.554	1.548	1.691
LTE Band 66_Ant 0	0.817	0.351	0.095	1.585	1.579	1.722
LTE Band 71_Ant 0	0.475	0.351	0.095	1.243	1.237	1.380
FR1 n7_Ant 0	0.591	0.351	0.095	1.359	1.353	1.496
FR1 n12_Ant 0	0.344	0.351	0.095	1.112	1.106	1.249
FR1 n14_Ant 0	0.561	0.351	0.095	1.329	1.323	1.466
FR1 n25_Ant 0	0.769	0.351	0.095	1.537	1.531	1.674
FR1 n26_Ant 0	0.732	0.351	0.095	1.500	1.494	1.637
FR1 n30_Ant 0	0.604	0.351	0.095	1.372	1.366	1.509
FR1 n41_Ant 0	0.594	0.351	0.095	1.362	1.356	1.499
FR1 n66_Ant 0	0.749	0.351	0.095	1.517	1.511	1.654
FR1 n70_Ant 0	0.554	0.351	0.095	1.322	1.316	1.459
FR1 n71_Ant 0	0.440	0.351	0.095	1.208	1.202	1.345

SAR peak location (mm)			X (axis)	-64.4	-57.5	-65	-59.5	-64	
			Y (axis)	55.7	38.5	-44	-44.5	-38.5	
			Z (axis)	-207	-207	-207	-207	-207	
X (axis)	Y (axis)	Z (axis)	Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
			Back	1g SAR (W/kg)			0.322	0.316	0.459
-15.4	-78.9	-207	GSM850_Ant 0	0.611	0.351	0.095			
-12.4	-76.6	-207	GSM1900_Ant 0	0.548	0.351	0.095			
-20.4	-73.9	-207	WCDMA II_Ant 0	0.778	0.351	0.095			0.04
-15.9	-74.9	-207	WCDMA IV_Ant 0	0.697	0.351	0.095			0.03
-14.9	-78.9	-207	WCDMA V_Ant 0	0.680	0.351	0.095			
-16	-75	-207	LTE Band 7_Ant 0	0.567	0.351	0.095			
-19.4	-76.9	-207	LTE Band 12_Ant 0	0.457	0.351	0.095			
-19.6	-77.9	-207	LTE Band 13_Ant 0	0.546	0.351	0.095			
-23.3	-78.9	-207	LTE Band 14_Ant 0	0.620	0.351	0.095			
-3.9	-76.6	-207	LTE Band 25_Ant 0	0.799	0.351	0.095			0.03
-15.2	-81.4	-207	LTE Band 26_Ant 0	0.750	0.351	0.095			0.03
-14.5	-77	-207	LTE Band 30_Ant 0	0.678	0.351	0.095			
-15	-73.5	-207	LTE Band 41_Ant 0	0.786	0.351	0.095			0.04
-7.1	-77.1	-207	LTE Band 66_Ant 0	0.817	0.351	0.095			0.03
-16.1	-76.4	-207	LTE Band 71_Ant 0	0.475	0.351	0.095			
-21.5	-72.5	-207	FR1 n7_Ant 0	0.591	0.351	0.095			
-13.9	-74.1	-207	FR1 n12_Ant 0	0.344	0.351	0.095			
-13.6	-80.4	-207	FR1 n14_Ant 0	0.561	0.351	0.095			
-13.9	-77.1	-207	FR1 n25_Ant 0	0.769	0.351	0.095			0.03
-12.2	-81.4	-207	FR1 n26_Ant 0	0.732	0.351	0.095			0.03
-11	-77.5	-207	FR1 n30_Ant 0	0.604	0.351	0.095			
-21.5	-74.5	-207	FR1 n41_Ant 0	0.594	0.351	0.095			
-16.9	-76.4	-207	FR1 n66_Ant 0	0.749	0.351	0.095			0.04
-13.4	-78.6	-207	FR1 n70_Ant 0	0.554	0.351	0.095			
-20.7	-77.6	-207	FR1 n71_Ant 0	0.440	0.351	0.095			



<Case 172>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 0	0.611	0.351	0.151	1.435	1.429	1.572
GSM1900_Ant 0	0.548	0.351	0.151	1.372	1.366	1.509
WCDMA II_Ant 0	0.778	0.351	0.151	1.602	1.596	1.739
WCDMA IV_Ant 0	0.697	0.351	0.151	1.521	1.515	1.658
WCDMA V_Ant 0	0.680	0.351	0.151	1.504	1.498	1.641
LTE Band 7_Ant 0	0.567	0.351	0.151	1.391	1.385	1.528
LTE Band 12_Ant 0	0.457	0.351	0.151	1.281	1.275	1.418
LTE Band 13_Ant 0	0.546	0.351	0.151	1.370	1.364	1.507
LTE Band 14_Ant 0	0.620	0.351	0.151	1.444	1.438	1.581
LTE Band 25_Ant 0	0.799	0.351	0.151	1.623	1.617	1.760
LTE Band 26_Ant 0	0.750	0.351	0.151	1.574	1.568	1.711
LTE Band 30_Ant 0	0.678	0.351	0.151	1.502	1.496	1.639
LTE Band 41_Ant 0	0.786	0.351	0.151	1.610	1.604	1.747
LTE Band 66_Ant 0	0.817	0.351	0.151	1.641	1.635	1.778
LTE Band 71_Ant 0	0.475	0.351	0.151	1.299	1.293	1.436
FR1 n7_Ant 0	0.591	0.351	0.151	1.415	1.409	1.552
FR1 n12_Ant 0	0.344	0.351	0.151	1.168	1.162	1.305
FR1 n14_Ant 0	0.561	0.351	0.151	1.385	1.379	1.522
FR1 n25_Ant 0	0.769	0.351	0.151	1.593	1.587	1.730
FR1 n26_Ant 0	0.732	0.351	0.151	1.556	1.550	1.693
FR1 n30_Ant 0	0.604	0.351	0.151	1.428	1.422	1.565
FR1 n41_Ant 0	0.594	0.351	0.151	1.418	1.412	1.555
FR1 n66_Ant 0	0.749	0.351	0.151	1.573	1.567	1.710
FR1 n70_Ant 0	0.554	0.351	0.151	1.378	1.372	1.515
FR1 n71_Ant 0	0.440	0.351	0.151	1.264	1.258	1.401

SAR peak location (mm)			X (axis)	Y (axis)	Z (axis)	Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
			-64.4	-66	-65	Back	1g SAR (W/kg)			0.322	0.316	0.459
			55.7	32.5	-44	GSM850_Ant 0	0.611	0.351	0.151			
			-207	-207	-207	GSM1900_Ant 0	0.548	0.351	0.151			
X (axis)	Y (axis)	Z (axis)				WCDMA II_Ant 0	0.778	0.351	0.151	0.04	0.04	0.04
						WCDMA IV_Ant 0	0.697	0.351	0.151			0.04
						WCDMA V_Ant 0	0.680	0.351	0.151			0.03
						LTE Band 7_Ant 0	0.567	0.351	0.151			
						LTE Band 12_Ant 0	0.457	0.351	0.151			
						LTE Band 13_Ant 0	0.546	0.351	0.151			
						LTE Band 14_Ant 0	0.620	0.351	0.151			
						LTE Band 25_Ant 0	0.799	0.351	0.151	0.03	0.03	0.03
						LTE Band 26_Ant 0	0.750	0.351	0.151			0.03
						LTE Band 30_Ant 0	0.678	0.351	0.151			0.03
						LTE Band 41_Ant 0	0.786	0.351	0.151	0.04	0.04	0.04
						LTE Band 66_Ant 0	0.817	0.351	0.151	0.03	0.03	0.03
						LTE Band 71_Ant 0	0.475	0.351	0.151			
						FR1 n7_Ant 0	0.591	0.351	0.151			
						FR1 n12_Ant 0	0.344	0.351	0.151			
						FR1 n14_Ant 0	0.561	0.351	0.151			
						FR1 n25_Ant 0	0.769	0.351	0.151			0.04
						FR1 n26_Ant 0	0.732	0.351	0.151			0.03
						FR1 n30_Ant 0	0.604	0.351	0.151			
						FR1 n41_Ant 0	0.594	0.351	0.151			
						FR1 n66_Ant 0	0.749	0.351	0.151			0.04
						FR1 n70_Ant 0	0.554	0.351	0.151			
						FR1 n71_Ant 0	0.440	0.351	0.151			



<Case 173>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 3	GSM 1900 Ant 2	WCDM A II Ant 2	WCDM A IV Ant 2	LTE Band 7 Ant 2	LTE Band 25 Ant 2	LTE Band 30 Ant 2	LTE Band 41 Ant 2	LTE Band 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.351	0.150	1.536	1.532	1.494	1.489	1.357	1.525	1.533	1.379	1.539	1.411	1.536	1.483	1.533	1.445
WCDMA V_Ant 1	0.463	0.351	0.150	1.497	1.493	1.455	1.450	1.318	1.486	1.494	1.340	1.500	1.372	1.497	1.444	1.494	1.406
LTE Band 12_Ant 1	0.324	0.351	0.150	1.358	1.354	1.316	1.311	1.179	1.347	1.355	1.201	1.361	1.233	1.358	1.305	1.355	1.267
LTE Band 13_Ant 1	0.389	0.351	0.150	1.423	1.419	1.381	1.376	1.244	1.412	1.420	1.266	1.426	1.298	1.423	1.370	1.420	1.332
LTE Band 14_Ant 1	0.407	0.351	0.150	1.441	1.437	1.399	1.394	1.262	1.430	1.438	1.284	1.444	1.316	1.441	1.388	1.438	1.350
LTE Band 25_Ant 1	0.684	0.351	0.150	1.718	1.714	1.676	1.671	1.539	1.707	1.715	1.561	1.721	1.593	1.718	1.665	1.715	1.627
LTE Band 26_Ant 1	0.478	0.351	0.150	1.512	1.508	1.470	1.465	1.333	1.501	1.509	1.355	1.515	1.387	1.512	1.459	1.509	1.421
LTE Band 66_Ant 1	0.844	0.351	0.150	1.878	1.874	1.836	1.831	1.699	1.867	1.875	1.721	1.881	1.753	1.878	1.825	1.875	1.787
LTE Band 71_Ant 1	0.304	0.351	0.150	1.338	1.334	1.296	1.291	1.159	1.327	1.335	1.181	1.341	1.213	1.338	1.285	1.335	1.247
FR1 n12_Ant 1	0.228	0.351	0.150	1.262	1.258	1.220	1.215	1.083	1.251	1.259	1.105	1.265	1.137	1.262	1.209	1.259	1.171
FR1 n14_Ant 1	0.380	0.351	0.150	1.414	1.410	1.372	1.367	1.235	1.403	1.411	1.257	1.417	1.289	1.414	1.361	1.411	1.323
FR1 n25_Ant 1	0.836	0.351	0.150	1.870	1.866	1.828	1.823	1.691	1.859	1.867	1.713	1.873	1.745	1.870	1.817	1.867	1.779
FR1 n26_Ant 1	0.435	0.351	0.150	1.469	1.465	1.427	1.422	1.290	1.458	1.466	1.312	1.472	1.344	1.469	1.416	1.466	1.378
FR1 n41_Ant 1	0.694	0.351	0.150	1.728	1.724	1.686	1.681	1.549	1.717	1.725	1.571	1.731	1.603	1.728	1.675	1.725	1.637
FR1 n48_Ant 1	0.567	0.351	0.150	1.601	1.597	1.559	1.554	1.422	1.590	1.598	1.444	1.604	1.476	1.601	1.548	1.598	1.510
FR1 n66_Ant 1	0.628	0.351	0.150	1.662	1.658	1.620	1.615	1.483	1.651	1.659	1.505	1.665	1.537	1.662	1.609	1.659	1.571
FR1 n71_Ant 1	0.350	0.351	0.150	1.384	1.380	1.342	1.337	1.205	1.373	1.381	1.227	1.387	1.259	1.384	1.331	1.381	1.293
FR1 n77_Ant 1	0.400	0.351	0.150	1.434	1.430	1.392	1.387	1.255	1.423	1.431	1.277	1.437	1.309	1.434	1.381	1.431	1.343

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	101.3	1.88	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.345	-64.4	55.7	-207.0				



<Case 174>

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

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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.351	0.095	1.481	1.477	1.439	1.434	1.302	1.470	1.478	1.324	1.484	1.356	1.481	1.428	1.478	1.390
WCDMA V_Ant 1	0.463	0.351	0.095	1.442	1.438	1.400	1.395	1.263	1.431	1.439	1.285	1.445	1.317	1.442	1.389	1.439	1.351
LTE Band 12_Ant 1	0.324	0.351	0.095	1.303	1.299	1.261	1.256	1.124	1.292	1.300	1.146	1.306	1.178	1.303	1.250	1.300	1.212
LTE Band 13_Ant 1	0.389	0.351	0.095	1.368	1.364	1.326	1.321	1.189	1.357	1.365	1.211	1.371	1.243	1.368	1.315	1.365	1.277
LTE Band 14_Ant 1	0.407	0.351	0.095	1.386	1.382	1.344	1.339	1.207	1.375	1.383	1.229	1.389	1.261	1.386	1.333	1.383	1.295
LTE Band 25_Ant 1	0.684	0.351	0.095	1.663	1.659	1.621	1.616	1.484	1.652	1.660	1.506	1.666	1.538	1.663	1.610	1.660	1.572
LTE Band 26_Ant 1	0.478	0.351	0.095	1.457	1.453	1.415	1.410	1.278	1.446	1.454	1.300	1.460	1.332	1.457	1.404	1.454	1.366
LTE Band 66_Ant 1	0.844	0.351	0.095	1.823	1.819	1.781	1.776	1.644	1.812	1.820	1.666	1.826	1.698	1.823	1.770	1.820	1.732
LTE Band 71_Ant 1	0.304	0.351	0.095	1.283	1.279	1.241	1.236	1.104	1.272	1.280	1.126	1.286	1.158	1.283	1.230	1.280	1.192
FR1 n12_Ant 1	0.228	0.351	0.095	1.207	1.203	1.165	1.160	1.028	1.196	1.204	1.050	1.210	1.082	1.207	1.154	1.204	1.116
FR1 n14_Ant 1	0.380	0.351	0.095	1.359	1.355	1.317	1.312	1.180	1.348	1.356	1.202	1.362	1.234	1.359	1.306	1.356	1.268
FR1 n25_Ant 1	0.836	0.351	0.095	1.815	1.811	1.773	1.768	1.636	1.804	1.812	1.658	1.818	1.690	1.815	1.762	1.812	1.724
FR1 n26_Ant 1	0.435	0.351	0.095	1.414	1.410	1.372	1.367	1.235	1.403	1.411	1.257	1.417	1.289	1.414	1.361	1.411	1.323
FR1 n41_Ant 1	0.694	0.351	0.095	1.673	1.669	1.631	1.626	1.494	1.662	1.670	1.516	1.676	1.548	1.673	1.620	1.670	1.582
FR1 n48_Ant 1	0.567	0.351	0.095	1.546	1.542	1.504	1.499	1.367	1.535	1.543	1.389	1.549	1.421	1.546	1.493	1.543	1.455
FR1 n66_Ant 1	0.628	0.351	0.095	1.607	1.603	1.565	1.560	1.428	1.596	1.604	1.450	1.610	1.482	1.607	1.554	1.604	1.516
FR1 n71_Ant 1	0.350	0.351	0.095	1.329	1.325	1.287	1.282	1.150	1.318	1.326	1.172	1.332	1.204	1.329	1.276	1.326	1.238
FR1 n77_Ant 1	0.400	0.351	0.095	1.379	1.375	1.337	1.332	1.200	1.368	1.376	1.222	1.382	1.254	1.379	1.326	1.376	1.288

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	84.0	1.83	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.290	-57.5	38.5	-207.0				



<Case 175>

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

Exposure Position	WWAN SAR	WLAN 5/6GHz Ant 4+3	Bluetooth Ant 4+3	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 66 Ant 2	FR1 n7 Ant 2	FR1 n25 Ant 2	FR1 n30 Ant 2	FR1 n41 Ant 2	FR1 n66 Ant 2	FR1 n70 Ant 2
Back	1g SAR (W/kg)			0.533	0.529	0.491	0.486	0.354	0.522	0.530	0.376	0.536	0.408	0.533	0.480	0.530	0.442
GSM850_Ant 1	0.502	0.351	0.151	1.537	1.533	1.495	1.490	1.358	1.526	1.534	1.380	1.540	1.412	1.537	1.484	1.534	1.446
WCDMA V_Ant 1	0.463	0.351	0.151	1.498	1.494	1.456	1.451	1.319	1.487	1.495	1.341	1.501	1.373	1.498	1.445	1.495	1.407
LTE Band 12_Ant 1	0.324	0.351	0.151	1.359	1.355	1.317	1.312	1.180	1.348	1.356	1.202	1.362	1.234	1.359	1.306	1.356	1.268
LTE Band 13_Ant 1	0.389	0.351	0.151	1.424	1.420	1.382	1.377	1.245	1.413	1.421	1.267	1.427	1.299	1.424	1.371	1.421	1.333
LTE Band 14_Ant 1	0.407	0.351	0.151	1.442	1.438	1.400	1.395	1.263	1.431	1.439	1.285	1.445	1.317	1.442	1.389	1.439	1.351
LTE Band 25_Ant 1	0.684	0.351	0.151	1.719	1.715	1.677	1.672	1.540	1.708	1.716	1.562	1.722	1.594	1.719	1.666	1.716	1.628
LTE Band 26_Ant 1	0.478	0.351	0.151	1.513	1.509	1.471	1.466	1.334	1.502	1.510	1.356	1.516	1.388	1.513	1.460	1.510	1.422
LTE Band 66_Ant 1	0.844	0.351	0.151	1.879	1.875	1.837	1.832	1.700	1.868	1.876	1.722	1.882	1.754	1.879	1.826	1.876	1.788
LTE Band 71_Ant 1	0.304	0.351	0.151	1.339	1.335	1.297	1.292	1.160	1.328	1.336	1.182	1.342	1.214	1.339	1.286	1.336	1.248
FR1 n12_Ant 1	0.228	0.351	0.151	1.263	1.259	1.221	1.216	1.084	1.252	1.260	1.106	1.266	1.138	1.263	1.210	1.260	1.172
FR1 n14_Ant 1	0.380	0.351	0.151	1.415	1.411	1.373	1.368	1.236	1.404	1.412	1.258	1.418	1.290	1.415	1.362	1.412	1.324
FR1 n25_Ant 1	0.836	0.351	0.151	1.871	1.867	1.829	1.824	1.692	1.860	1.868	1.714	1.874	1.746	1.871	1.818	1.868	1.780
FR1 n26_Ant 1	0.435	0.351	0.151	1.470	1.466	1.428	1.423	1.291	1.459	1.467	1.313	1.473	1.345	1.470	1.417	1.467	1.379
FR1 n41_Ant 1	0.694	0.351	0.151	1.729	1.725	1.687	1.682	1.550	1.718	1.726	1.572	1.732	1.604	1.729	1.676	1.726	1.638
FR1 n48_Ant 1	0.567	0.351	0.151	1.602	1.598	1.560	1.555	1.423	1.591	1.599	1.445	1.605	1.477	1.602	1.549	1.599	1.511
FR1 n66_Ant 1	0.628	0.351	0.151	1.663	1.659	1.621	1.616	1.484	1.652	1.660	1.506	1.666	1.538	1.663	1.610	1.660	1.572
FR1 n71_Ant 1	0.350	0.351	0.151	1.385	1.381	1.343	1.338	1.206	1.374	1.382	1.228	1.388	1.260	1.385	1.332	1.382	1.294
FR1 n77_Ant 1	0.400	0.351	0.151	1.435	1.431	1.393	1.388	1.256	1.424	1.432	1.278	1.438	1.310	1.435	1.382	1.432	1.344

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 2	0.536	-60.0	-45.5	-207.0	78.2	1.88	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.346	-66.0	32.5	-207.0				

<Case 176>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.351	0.150	1.517	1.371	1.496
WCDMA V_Ant 1	0.463	0.351	0.150	1.478	1.332	1.457
LTE Band 12_Ant 1	0.324	0.351	0.150	1.339	1.193	1.318
LTE Band 13_Ant 1	0.389	0.351	0.150	1.404	1.258	1.383
LTE Band 14_Ant 1	0.407	0.351	0.150	1.422	1.276	1.401
LTE Band 25_Ant 1	0.684	0.351	0.150	1.699	1.553	1.678
LTE Band 26_Ant 1	0.478	0.351	0.150	1.493	1.347	1.472
LTE Band 66_Ant 1	0.844	0.351	0.150	1.859	1.713	1.838
LTE Band 71_Ant 1	0.304	0.351	0.150	1.319	1.173	1.298
FR1 n12_Ant 1	0.228	0.351	0.150	1.243	1.097	1.222
FR1 n14_Ant 1	0.380	0.351	0.150	1.395	1.249	1.374
FR1 n25_Ant 1	0.836	0.351	0.150	1.851	1.705	1.830
FR1 n26_Ant 1	0.435	0.351	0.150	1.450	1.304	1.429
FR1 n41_Ant 1	0.694	0.351	0.150	1.709	1.563	1.688
FR1 n48_Ant 1	0.567	0.351	0.150	1.582	1.436	1.561
FR1 n66_Ant 1	0.628	0.351	0.150	1.643	1.497	1.622
FR1 n71_Ant 1	0.350	0.351	0.150	1.365	1.219	1.344
FR1 n77_Ant 1	0.400	0.351	0.150	1.415	1.269	1.394

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.7	1.86	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.345	13.0	27.5	-207.0				



<Case 177>

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
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.351	0.095	1.462	1.316	1.441
WCDMA V_Ant 1	0.463	0.351	0.095	1.423	1.277	1.402
LTE Band 12_Ant 1	0.324	0.351	0.095	1.284	1.138	1.263
LTE Band 13_Ant 1	0.389	0.351	0.095	1.349	1.203	1.328
LTE Band 14_Ant 1	0.407	0.351	0.095	1.367	1.221	1.346
LTE Band 25_Ant 1	0.684	0.351	0.095	1.644	1.498	1.623
LTE Band 26_Ant 1	0.478	0.351	0.095	1.438	1.292	1.417
LTE Band 66_Ant 1	0.844	0.351	0.095	1.804	1.658	1.783
LTE Band 71_Ant 1	0.304	0.351	0.095	1.264	1.118	1.243
FR1 n12_Ant 1	0.228	0.351	0.095	1.188	1.042	1.167
FR1 n14_Ant 1	0.380	0.351	0.095	1.340	1.194	1.319
FR1 n25_Ant 1	0.836	0.351	0.095	1.796	1.650	1.775
FR1 n26_Ant 1	0.435	0.351	0.095	1.395	1.249	1.374
FR1 n41_Ant 1	0.694	0.351	0.095	1.654	1.508	1.633
FR1 n48_Ant 1	0.567	0.351	0.095	1.527	1.381	1.506
FR1 n66_Ant 1	0.628	0.351	0.095	1.588	1.442	1.567
FR1 n71_Ant 1	0.350	0.351	0.095	1.310	1.164	1.289
FR1 n77_Ant 1	0.400	0.351	0.095	1.360	1.214	1.339

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	110.4	1.80	0.02	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.290	-57.5	38.5	-207.0				



<Case 178>

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+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
GSM850_Ant 1	0.502	0.351	0.151	1.518	1.372	1.497
WCDMA V_Ant 1	0.463	0.351	0.151	1.479	1.333	1.458
LTE Band 12_Ant 1	0.324	0.351	0.151	1.340	1.194	1.319
LTE Band 13_Ant 1	0.389	0.351	0.151	1.405	1.259	1.384
LTE Band 14_Ant 1	0.407	0.351	0.151	1.423	1.277	1.402
LTE Band 25_Ant 1	0.684	0.351	0.151	1.700	1.554	1.679
LTE Band 26_Ant 1	0.478	0.351	0.151	1.494	1.348	1.473
LTE Band 66_Ant 1	0.844	0.351	0.151	1.860	1.714	1.839
LTE Band 71_Ant 1	0.304	0.351	0.151	1.320	1.174	1.299
FR1 n12_Ant 1	0.228	0.351	0.151	1.244	1.098	1.223
FR1 n14_Ant 1	0.380	0.351	0.151	1.396	1.250	1.375
FR1 n25_Ant 1	0.836	0.351	0.151	1.852	1.706	1.831
FR1 n26_Ant 1	0.435	0.351	0.151	1.451	1.305	1.430
FR1 n41_Ant 1	0.694	0.351	0.151	1.710	1.564	1.689
FR1 n48_Ant 1	0.567	0.351	0.151	1.583	1.437	1.562
FR1 n66_Ant 1	0.628	0.351	0.151	1.644	1.498	1.623
FR1 n71_Ant 1	0.350	0.351	0.151	1.366	1.220	1.345
FR1 n77_Ant 1	0.400	0.351	0.151	1.416	1.270	1.395

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.9	1.86	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.346	-7.5	27.5	-207.0				



<Case 179>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.351	0.150	1.325	1.319	1.462
WCDMA V_Ant 1	0.463	0.351	0.150	1.286	1.280	1.423
LTE Band 12_Ant 1	0.324	0.351	0.150	1.147	1.141	1.284
LTE Band 13_Ant 1	0.389	0.351	0.150	1.212	1.206	1.349
LTE Band 14_Ant 1	0.407	0.351	0.150	1.230	1.224	1.367
LTE Band 25_Ant 1	0.684	0.351	0.150	1.507	1.501	1.644
LTE Band 26_Ant 1	0.478	0.351	0.150	1.301	1.295	1.438
LTE Band 66_Ant 1	0.844	0.351	0.150	1.667	1.661	1.804
LTE Band 71_Ant 1	0.304	0.351	0.150	1.127	1.121	1.264
FR1 n12_Ant 1	0.228	0.351	0.150	1.051	1.045	1.188
FR1 n14_Ant 1	0.380	0.351	0.150	1.203	1.197	1.340
FR1 n25_Ant 1	0.836	0.351	0.150	1.659	1.653	1.796
FR1 n26_Ant 1	0.435	0.351	0.150	1.258	1.252	1.395
FR1 n41_Ant 1	0.694	0.351	0.150	1.517	1.511	1.654
FR1 n48_Ant 1	0.567	0.351	0.150	1.390	1.384	1.527
FR1 n66_Ant 1	0.628	0.351	0.150	1.451	1.445	1.588
FR1 n71_Ant 1	0.350	0.351	0.150	1.173	1.167	1.310
FR1 n77_Ant 1	0.400	0.351	0.150	1.223	1.217	1.360

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	94.2	1.80	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.345	-64.4	55.7	-207.0				



<Case 180>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.351	0.095	1.270	1.264	1.407
WCDMA V_Ant 1	0.463	0.351	0.095	1.231	1.225	1.368
LTE Band 12_Ant 1	0.324	0.351	0.095	1.092	1.086	1.229
LTE Band 13_Ant 1	0.389	0.351	0.095	1.157	1.151	1.294
LTE Band 14_Ant 1	0.407	0.351	0.095	1.175	1.169	1.312
LTE Band 25_Ant 1	0.684	0.351	0.095	1.452	1.446	1.589
LTE Band 26_Ant 1	0.478	0.351	0.095	1.246	1.240	1.383
LTE Band 66_Ant 1	0.844	0.351	0.095	1.612	1.606	1.749
LTE Band 71_Ant 1	0.304	0.351	0.095	1.072	1.066	1.209
FR1 n12_Ant 1	0.228	0.351	0.095	0.996	0.990	1.133
FR1 n14_Ant 1	0.380	0.351	0.095	1.148	1.142	1.285
FR1 n25_Ant 1	0.836	0.351	0.095	1.604	1.598	1.741
FR1 n26_Ant 1	0.435	0.351	0.095	1.203	1.197	1.340
FR1 n41_Ant 1	0.694	0.351	0.095	1.462	1.456	1.599
FR1 n48_Ant 1	0.567	0.351	0.095	1.335	1.329	1.472
FR1 n66_Ant 1	0.628	0.351	0.095	1.396	1.390	1.533
FR1 n71_Ant 1	0.350	0.351	0.095	1.118	1.112	1.255
FR1 n77_Ant 1	0.400	0.351	0.095	1.168	1.162	1.305

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	77.3	1.75	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.290	-57.5	38.5	-207.0				



<Case 181>

SAR summation (blue colored) for each band of antenna 1,3,4,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
GSM850_Ant 1	0.502	0.351	0.151	1.326	1.320	1.463
WCDMA V_Ant 1	0.463	0.351	0.151	1.287	1.281	1.424
LTE Band 12_Ant 1	0.324	0.351	0.151	1.148	1.142	1.285
LTE Band 13_Ant 1	0.389	0.351	0.151	1.213	1.207	1.350
LTE Band 14_Ant 1	0.407	0.351	0.151	1.231	1.225	1.368
LTE Band 25_Ant 1	0.684	0.351	0.151	1.508	1.502	1.645
LTE Band 26_Ant 1	0.478	0.351	0.151	1.302	1.296	1.439
LTE Band 66_Ant 1	0.844	0.351	0.151	1.668	1.662	1.805
LTE Band 71_Ant 1	0.304	0.351	0.151	1.128	1.122	1.265
FR1 n12_Ant 1	0.228	0.351	0.151	1.052	1.046	1.189
FR1 n14_Ant 1	0.380	0.351	0.151	1.204	1.198	1.341
FR1 n25_Ant 1	0.836	0.351	0.151	1.660	1.654	1.797
FR1 n26_Ant 1	0.435	0.351	0.151	1.259	1.253	1.396
FR1 n41_Ant 1	0.694	0.351	0.151	1.518	1.512	1.655
FR1 n48_Ant 1	0.567	0.351	0.151	1.391	1.385	1.528
FR1 n66_Ant 1	0.628	0.351	0.151	1.452	1.446	1.589
FR1 n71_Ant 1	0.350	0.351	0.151	1.174	1.168	1.311
FR1 n77_Ant 1	0.400	0.351	0.151	1.224	1.218	1.361

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 7	0.459	-64.0	-38.5	-207.0	71.0	1.81	0.03	Not required
Max WWAN Ant 1 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.346	-66.0	32.5	-207.0				



<Case 182>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Table with 17 columns: Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 3, GSM1900 Ant 2, WCDMA II Ant 2, WCDMA IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, and various FR1 bands.

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

Table with 8 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows show Max WWAN Ant 2 and Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3.

<Case 183>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Table with 17 columns: Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 4, GSM1900 Ant 2, WCDMA II Ant 2, WCDMA IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, and various FR1 bands.

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

Table with 8 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows show Max WWAN Ant 2 and Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4.

<Case 184>

SAR summation (blue colored) for each band of antenna 2,3,4,5

Table with 17 columns: Exposure Position, WWAN SAR, WLAN 5/6GHz Ant 4+3, Bluetooth Ant 4+3, GSM1900 Ant 2, WCDMA II Ant 2, WCDMA IV Ant 2, LTE Band 7 Ant 2, LTE Band 25 Ant 2, LTE Band 30 Ant 2, LTE Band 41 Ant 2, LTE Band 66 Ant 2, FR1 n7 Ant 2, FR1 n25 Ant 2, FR1 n30 Ant 2, FR1 n41 Ant 2, FR1 n66 Ant 2, FR1 n70 Ant 2. Rows include Back, LTE Band 25_Ant 5, LTE Band 66_Ant 5, and various FR1 bands.

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

Table with 8 columns: Combination, SAR, SAR peak location (mm) X, Y, Z, 3D distance (mm), Summed SAR (W/kg), SPLSR Results, Simultaneous SAR. Rows show Max WWAN Ant 2 and Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3.

<Case 185>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
LTE Band 25_Ant 5	0.375	0.351	0.150	1.390	1.244	1.369
LTE Band 66_Ant 5	0.664	0.351	0.150	1.679	1.533	1.658
FR1 n25_Ant 5	0.487	0.351	0.150	1.502	1.356	1.481
FR1 n41_Ant 5	0.529	0.351	0.150	1.544	1.398	1.523
FR1 n48_Ant 5	0.385	0.351	0.150	1.400	1.254	1.379
FR1 n66_Ant 5	0.649	0.351	0.150	1.664	1.518	1.643
FR1 n77_Ant 5	0.559	0.351	0.150	1.574	1.428	1.553

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	79.7	1.68	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.165	13.0	27.5	-207.0				

<Case 186>

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
Back	1g SAR (W/kg)			0.514	0.368	0.493
LTE Band 25_Ant 5	0.375	0.351	0.095	1.335	1.189	1.314
LTE Band 66_Ant 5	0.664	0.351	0.095	1.624	1.478	1.603
FR1 n25_Ant 5	0.487	0.351	0.095	1.447	1.301	1.426
FR1 n41_Ant 5	0.529	0.351	0.095	1.489	1.343	1.468
FR1 n48_Ant 5	0.385	0.351	0.095	1.345	1.199	1.324
FR1 n66_Ant 5	0.649	0.351	0.095	1.609	1.463	1.588
FR1 n77_Ant 5	0.559	0.351	0.095	1.519	1.373	1.498

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	2.0	-54.5	-207.0	110.4	1.62	0.02	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4	1.110	-57.5	38.5	-207.0				

<Case 187>

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

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 6	FR1 n48_Ant 6	FR1 n77_Ant 6
Back	1g SAR (W/kg)			0.514	0.368	0.493
LTE Band 25_Ant 5	0.375	0.351	0.151	1.391	1.245	1.370
LTE Band 66_Ant 5	0.664	0.351	0.151	1.680	1.534	1.659
FR1 n25_Ant 5	0.487	0.351	0.151	1.503	1.357	1.482
FR1 n41_Ant 5	0.529	0.351	0.151	1.545	1.399	1.524
FR1 n48_Ant 5	0.385	0.351	0.151	1.401	1.255	1.380
FR1 n66_Ant 5	0.649	0.351	0.151	1.665	1.519	1.644
FR1 n77_Ant 5	0.559	0.351	0.151	1.575	1.429	1.554

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 6	0.514	7.5	-52.0	-207.0	80.9	1.68	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.166	-7.5	27.5	-207.0				



<Case 188>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
LTE Band 25_Ant 5	0.375	0.351	0.150	1.198	1.192	1.335
LTE Band 66_Ant 5	0.664	0.351	0.150	1.487	1.481	1.624
FR1 n25_Ant 5	0.487	0.351	0.150	1.310	1.304	1.447
FR1 n41_Ant 5	0.529	0.351	0.150	1.352	1.346	1.489
FR1 n48_Ant 5	0.385	0.351	0.150	1.208	1.202	1.345
FR1 n66_Ant 5	0.649	0.351	0.150	1.472	1.466	1.609
FR1 n77_Ant 5	0.559	0.351	0.150	1.382	1.376	1.519

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1	0.459	-64.0	-38.5	-207.0	74.1	1.62	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 3	1.165	-62.4	35.6	-207.0				

<Case 189>

SAR summation (blue colored) for each band of antenna 3,4,5,7

Exposure Position	WWAN SAR	WLAN5/6GHz Ant 4+3	Bluetooth Ant 4+3	LTE Band 48_Ant 7	FR1 n48_Ant 7	FR1 n77_Ant 7
Back	1g SAR (W/kg)			0.322	0.316	0.459
LTE Band 25_Ant 5	0.375	0.351	0.151	1.199	1.193	1.336
LTE Band 66_Ant 5	0.664	0.351	0.151	1.488	1.482	1.625
FR1 n25_Ant 5	0.487	0.351	0.151	1.311	1.305	1.448
FR1 n41_Ant 5	0.529	0.351	0.151	1.353	1.347	1.490
FR1 n48_Ant 5	0.385	0.351	0.151	1.209	1.203	1.346
FR1 n66_Ant 5	0.649	0.351	0.151	1.473	1.467	1.610
FR1 n77_Ant 5	0.559	0.351	0.151	1.383	1.377	1.520

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

Combination	SAR	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
		X	Y	Z				
Max WWAN Ant 1	0.459	-64.0	-38.5	-207.0	71.0	1.63	0.03	Not required
Max WWAN Ant 5 + WLAN5/6GHz Ant 4+3 + Bluetooth Ant 4+3	1.166	-66.0	32.5	-207.0				