



Appendix D. Simultaneous Transmission analysis

1. Analysis for mmWave antenna module 0

<For Head Exposure condition>

<Phone WWAN Tx On>

Head			Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation														Single Point SAR Value from Power Density Location						Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)				
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 Summation	1+2+7+11 Summation	1+2+8+11 Summation	1+2+9+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+9+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+7+11 Summation	1+4+8+11 Summation	1+4+9+11 Summation	1+4+10+11 Summation	1	3	5	7	8	10	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD																WWAN	5GHz WLAN Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)					
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																4cm^2(W/m^2)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)					1g SAR (W/kg)
CDMA	CDMA2000 BC0	Right Cheek	0.354	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.717	0.645	0.626	0.602	0.631	1.120	1.047	1.028	1.004	1.033	0.698	0.625	0.607	0.582	0.612	0.187	0.001	0.034	0.053	0.037	0.036	0.150	0.162	0.152	0.152
		Right Tilted	0.189	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.439	0.388	0.384	0.400	0.375	0.670	0.619	0.615	0.631	0.606	0.522	0.471	0.467	0.483	0.458										
		Left Cheek	0.469	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.439	0.450	0.444	0.448	0.419	0.532	0.543	0.537	0.541	0.512	0.643	0.655	0.648	0.653	0.623										
		Left Tilted	0.204	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.250	0.268	0.258	0.235	0.250	0.341	0.360	0.349	0.326	0.341	0.448	0.467	0.457	0.433	0.448										
	CDMA2000 BC1	Right Cheek	0.289	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.677	0.604	0.585	0.561	0.590	1.079	1.007	0.988	0.963	0.993	0.657	0.585	0.566	0.542	0.571	0.079	0.001	0.034	0.053			0.083	0.095		
		Right Tilted	0.109	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.389	0.338	0.334	0.350	0.325	0.620	0.569	0.565	0.581	0.556	0.472	0.421	0.417	0.433	0.408										
		Left Cheek	0.217	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.282	0.293	0.287	0.291	0.262	0.374	0.385	0.379	0.383	0.354	0.486	0.497	0.491	0.495	0.466										
		Left Tilted	0.170	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.228	0.247	0.237	0.213	0.228	0.320	0.338	0.328	0.305	0.320	0.427	0.446	0.435	0.412	0.427										
LTE	LTE Band 2	Right Cheek	0.316	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.693	0.621	0.602	0.578	0.607	1.096	1.023	1.005	0.980	1.010	0.674	0.602	0.583	0.558	0.588	0.099	0.001	0.034	0.053	0.037	0.036	0.095	0.107	0.097	0.097
		Right Tilted	0.114	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.392	0.342	0.337	0.353	0.328	0.623	0.572	0.568	0.584	0.559	0.475	0.424	0.420	0.436	0.411										
		Left Cheek	0.256	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.306	0.317	0.311	0.315	0.286	0.398	0.410	0.403	0.408	0.378	0.510	0.522	0.515	0.520	0.490										
		Left Tilted	0.202	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.248	0.267	0.257	0.233	0.248	0.340	0.358	0.348	0.325	0.340	0.447	0.466	0.455	0.432	0.447										
	LTE Band 5	Right Cheek	0.263	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.660	0.588	0.569	0.545	0.574	1.063	0.990	0.972	0.947	0.977	0.641	0.568	0.550	0.525	0.555	0.074	0.001	0.034			0.080				
		Right Tilted	0.135	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.405	0.355	0.350	0.367	0.342	0.636	0.585	0.581	0.597	0.572	0.488	0.437	0.433	0.449	0.424										
		Left Cheek	0.326	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.350	0.361	0.355	0.359	0.330	0.442	0.453	0.447	0.452	0.422	0.554	0.565	0.559	0.563	0.534										
		Left Tilted	0.159	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.222	0.240	0.230	0.207	0.222	0.313	0.332	0.321	0.298	0.313	0.420	0.439	0.428	0.405	0.420										
	LTE Band 7	Right Cheek	0.788	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.988	0.916	0.897	0.873	0.902	1.391	1.318	1.300	1.275	1.305	0.969	0.897	0.878	0.853	0.883	0.022	0.001	0.034	0.053	0.037	0.036	0.047	0.059	0.049	0.048
		Right Tilted	0.299	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.508	0.457	0.453	0.469	0.444	0.738	0.688	0.683	0.700	0.675	0.590	0.540	0.535	0.552	0.527										
		Left Cheek	0.427	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.413	0.424	0.418	0.422	0.393	0.505	0.517	0.510	0.515	0.485	0.617	0.628	0.622	0.627	0.597										
		Left Tilted	0.306	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.313	0.332	0.322	0.298	0.313	0.405	0.423	0.413	0.390	0.405	0.512	0.531	0.520	0.497	0.512										
	LTE Band 13	Right Cheek	0.227	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.638	0.565	0.547	0.522	0.552	1.040	0.968	0.949	0.925	0.954	0.618	0.546	0.527	0.503	0.532	0.054	0.001	0.034			0.067				
		Right Tilted	0.132	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.403	0.353	0.348	0.365	0.340	0.634	0.583	0.579	0.595	0.570	0.486	0.435	0.431	0.447	0.422										
		Left Cheek	0.262	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.310	0.321	0.315	0.319	0.290	0.402	0.413	0.407	0.412	0.382	0.514	0.525	0.519	0.523	0.494										
		Left Tilted	0.136	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.207	0.226	0.215	0.192	0.207	0.298	0.317	0.307	0.283	0.298	0.406	0.425	0.414	0.391	0.406										
	LTE Band 66	Right Cheek	0.570	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.852	0.780	0.761	0.737	0.766	1.255	1.182	1.163	1.139	1.168	0.833	0.760	0.742	0.717	0.747	0.092	0.001	0.034	0.053	0.037	0.036	0.091	0.103	0.093	0.092
		Right Tilted	0.175	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.430	0.380	0.375	0.392	0.367	0.661	0.610	0.606	0.622	0.597	0.513	0.462	0.458	0.474	0.449										
		Left Cheek	0.348	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.363	0.375	0.368	0.373	0.343	0.456	0.467	0.461	0.465	0.436	0.568	0.579	0.573	0.577	0.548										
		Left Tilted	0.217	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.115	0.258	0.277	0.266	0.243	0.258	0.349	0.368	0.357	0.334	0.349	0.457	0.475	0.465	0.442	0.457										

<Phone WWAN Tx Off>

Head		Reported SAR			Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
Exposure Position	2	3	4	5	7	8	10	11	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation	
	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													
	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm²2(W/m²)													
Right Cheek	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.115	0.496	0.423	0.405	0.410	0.898	0.826	0.807	0.812	0.477	0.404	0.385	0.390	
Right Tilted	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.115	0.321	0.270	0.266	0.257	0.552	0.501	0.497	0.488	0.403	0.353	0.348	0.340	
Left Cheek	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.115	0.146	0.157	0.151	0.126	0.238	0.250	0.243	0.218	0.350	0.362	0.355	0.330	
Left Tilted	0.120	0.266	0.438	0.067	0.087	0.070	0.057	0.115	0.122	0.141	0.130	0.122	0.213	0.232	0.222	0.213	0.321	0.340	0.329	0.321	

<For Hotspot Exposure condition>

<Phone WWAN Tx On>

[illegible]

<Phone WWAN Tx Off>

[illegible]



<For Body-worn Exposure condition>

<Phone WWAN Tx On>

Body-Worn		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation																Single Point SAR Value from Power Density Location								Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)																																																																																																																																																																																																																																																																																																																																																																																																																																							
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	PD	1+2+5+11 Summation	1+2+6 summation 1g SAR (W/kg)	1+2+7+11 Summation	1+2+8+11 Summation	1+2+9+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+6 summation 1g SAR (W/kg)	1+3+7+11 Summation	1+3+8+11 Summation	1+3+9+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+6 summation 1g SAR (W/kg)	1+4+7+11 Summation	1+4+8+11 Summation	1+4+9+11 Summation	1+4+10+11 Summation	1	2	3	4	5	7	8	10	1+2+5+11 Summation	1+2+7+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation																																																																																																																																																																																																																																																																																																																																																																																																																									
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B5 (MOD)	LTE B7 (MOD)	LTE B13(MOD)	LTE B66(MOD)	WWAN																				2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)																																																																																																																																																																																																																																																																																																																																																																																																																																						
		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)	4cm²2(W/m²r2)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)

<Phone WWAN Tx Off>

Body-Worn	Reported SAR			Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation												Single Point SAR Value from Power Density Location						Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)								
Exposure Position	2	3	4	5	7	8	10	11	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation	2	3	4	5	8	10	2+5+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+8+11 Summation	4+10+11 Summation
	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B13(MOD)	LTE B66(MOD)									
	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm²2(W/m²2)													1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
Front	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.115	0.315	0.247	0.268	0.380	0.509	0.442	0.463	0.468	0.276	0.208	0.230	0.235	0.029	0.000	0.029	0.016	0.007	0.004									
Back	0.047	0.136	0.050	1.381	0.908	1.383	1.266	2.470	1.140	0.844	1.141	1.048	1.195	0.900	1.196	1.123	1.141	0.846	1.143	1.070	0.000	0.001	0.000	0.006	0.100	0.000	0.251	0.310	0.247	0.251	0.310	0.248	0.251	0.310	0.247



2. Analysis for mmWave Antenna module 1

<For Head Exposure condition>

<Phone WWAN Tx On>

Head			Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation										Single Point SAR Value from Power Density Location								Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)						
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 Summation	1+2+7+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation	1	2	3	5	7	8	9	10	1+2+5+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2(W/m^2)													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)
CDMA	CDMA2000 BC0	Right Cheek	0.354	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	0.732	0.659	0.640	0.645	1.134	1.062	1.043	1.048	0.712	0.640	0.621	0.626	0.230		0.007	0.021	0.020	0.034	0.026	0.011		0.187	0.187	0.195	0.181
		Right Tilted	0.189	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.453	0.403	0.398	0.390	0.684	0.633	0.629	0.620	0.536	0.485	0.481	0.472													
		Left Cheek	0.469	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.453	0.465	0.458	0.433	0.546	0.557	0.551	0.526	0.658	0.669	0.663	0.638													
		Left Tilted	0.204	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.264	0.283	0.272	0.264	0.355	0.374	0.363	0.355	0.463	0.482	0.471	0.463													
	CDMA2000 BC1	Right Cheek	0.289	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	0.691	0.618	0.600	0.605	1.093	1.021	1.002	1.007	0.672	0.599	0.580	0.585	0.276		0.007	0.021	0.020	0.034		0.011		0.216	0.215	0.224	0.210
		Right Tilted	0.109	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.403	0.353	0.348	0.340	0.634	0.583	0.579	0.570	0.486	0.435	0.431	0.422													
		Left Cheek	0.217	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.296	0.307	0.301	0.276	0.388	0.400	0.393	0.368	0.500	0.512	0.505	0.480													
		Left Tilted	0.170	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.243	0.262	0.251	0.243	0.334	0.353	0.342	0.334	0.442	0.460	0.450	0.442													
LTE	LTE Band 2	Right Cheek	0.316	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	0.708	0.635	0.617	0.622	1.110	1.038	1.019	1.024	0.688	0.616	0.597	0.602	0.249		0.007	0.021	0.020	0.034		0.011		0.199	0.198	0.207	0.193
		Right Tilted	0.114	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.407	0.356	0.352	0.343	0.637	0.587	0.582	0.573	0.489	0.438	0.434	0.425													
		Left Cheek	0.256	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.320	0.332	0.325	0.300	0.413	0.424	0.418	0.393	0.525	0.536	0.530	0.505													
		Left Tilted	0.202	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.263	0.282	0.271	0.263	0.354	0.373	0.362	0.354	0.462	0.480	0.470	0.462													
	LTE Band 5	Right Cheek	0.263	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	0.675	0.602	0.583	0.588	1.077	1.005	0.986	0.991	0.655	0.583	0.564	0.569	0.165		0.007	0.021	0.020		0.026	0.011		0.147	0.146		0.140
		Right Tilted	0.135	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.420	0.369	0.365	0.356	0.650	0.600	0.595	0.587	0.502	0.452	0.447	0.438													
		Left Cheek	0.326	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.364	0.375	0.369	0.344	0.457	0.468	0.462	0.437	0.568	0.580	0.573	0.548													
		Left Tilted	0.159	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.236	0.255	0.244	0.236	0.327	0.346	0.335	0.327	0.435	0.453	0.443	0.435													
	LTE Band 7	Right Cheek	0.788	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	1.003	0.930	0.912	0.917	1.405	1.333	1.314	1.319	0.983	0.911	0.892	0.897	0.888	0.021	0.007	0.021	0.020	0.034	0.026	0.011	0.607	0.598	0.598	0.607	0.592
		Right Tilted	0.299	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.522	0.472	0.467	0.458	0.753	0.702	0.698	0.689	0.605	0.554	0.550	0.541													
		Left Cheek	0.427	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.427	0.438	0.432	0.407	0.520	0.531	0.525	0.500	0.632	0.643	0.637	0.612													
		Left Tilted	0.306	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.328	0.347	0.336	0.328	0.419	0.438	0.427	0.419	0.527	0.545	0.535	0.527													
	LTE Band 13	Right Cheek	0.227	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	0.652	0.580	0.561	0.566	1.055	0.982	0.963	0.968	0.633	0.560	0.542	0.547	0.145		0.007	0.021		0.034	0.026	0.011		0.134		0.142	0.128
		Right Tilted	0.132	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.418	0.367	0.363	0.354	0.648	0.598	0.593	0.585	0.500	0.450	0.445	0.437													
		Left Cheek	0.262	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.324	0.335	0.329	0.304	0.417	0.428	0.422	0.397	0.528	0.540	0.533	0.508													
		Left Tilted	0.136	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.222	0.240	0.230	0.222	0.313	0.332	0.321	0.313	0.420	0.439	0.428	0.420													
	LTE Band 66	Right Cheek	0.570	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259	0.867	0.794	0.775	0.780	1.269	1.197	1.178	1.183	0.847	0.775	0.756	0.761	0.536		0.007	0.021	0.020	0.034	0.026	0.011		0.378	0.378	0.387	0.372
		Right Tilted	0.175	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259	0.445	0.394	0.390	0.381	0.675	0.625	0.620	0.612	0.527	0.477	0.472	0.463													
		Left Cheek	0.348	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.259	0.378	0.389	0.383	0.358	0.470	0.482	0.475	0.450	0.582	0.593	0.587	0.562													
		Left Tilted	0.217	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259	0.272	0.291	0.280	0.272	0.363	0.382	0.372	0.363	0.471	0.490	0.479	0.471													

<Phone WWAN Tx Off>

Head		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
Exposure Position		2	3	4	5	7	8	10	11	4cm^2(W/m^2)	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation
		2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													
		1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)														
Right Cheek		0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.259		0.510	0.438	0.419	0.424	0.913	0.840	0.822	0.827	0.491	0.418	0.400	0.405
Right Tilted		0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.259		0.335	0.285	0.280	0.272	0.566	0.515	0.511	0.502	0.418	0.367	0.363	0.354
Left Cheek		0.111	0.259	0.438	0.104	0.122	0.112	0.104	0.259		0.160	0.172	0.165	0.140	0.253	0.264	0.258	0.233	0.365	0.376	0.370	0.345
Left Tilted		0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.259		0.137	0.155	0.145	0.137	0.228	0.247	0.236	0.228	0.335	0.354	0.343	0.335

<For Hotspot Exposure condition>

<Phone WWAN Tx On>

Hotspot		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/L6 + PD/10 Summation										Single Point SAR Value from Power Density Location										Single Point SAR from Power Density Location Summation (Peak SAR/L6 + PD/10)										
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 summation	1+2+7+11 summation	1+2+8+11 summation	1+2+10+11 summation	1+3+5+11 summation	1+3+7+11 summation	1+3+8+11 summation	1+3+10+11 summation	1+4+5+11 summation	1+4+7+11 summation	1+4+8+11 summation	1+4+10+11 summation	1	2	3	4	5	7	8	9	10	1+2+5+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation	
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)										
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm*2(W/m^2)													1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)										
CDMA	CDMA2000 BC0	Front	0.564	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.259	0.682	0.614	0.635	0.640	0.826	0.758	0.780	0.785	0.643	0.575	0.597	0.602																		
		Back	0.222	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.144	0.849	1.146	1.072	1.209	0.904	1.201	1.128	1.146	0.851	1.147	1.074	0.087	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.167	0.167	0.195	0.175	0.175	0.202	0.167	0.167	0.195	
		Left side	0.314	0.384	0.912	0.353	0.501	0.282	0.595	0.472	0.055	0.755	0.618	0.814	0.737	1.095	0.948	1.144	1.067	0.736	0.599	0.794	0.717	0.160	0.198	0.028	0.198	0.067	0.188	0.077	0.000	0.115									
		Right side	0.158								2.480	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347	0.347																		
		Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.201	0.548	0.569	0.560	0.625	0.289	0.310	0.301	0.367																		
	Bottom side	0.305																																							
	CDMA2000 BC1	Front	0.463	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.259	0.618	0.551	0.572	0.577	0.763	0.695	0.717	0.722	0.580	0.512	0.533	0.538																		
		Back	0.166	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.109	0.814	1.111	1.037	1.165	0.869	1.166	1.093	1.111	0.816	1.112	1.039	0.027	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.130	0.130	0.157	0.137	0.137	0.164	0.130	0.130	0.157	
		Left side	0.017	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.055	0.569	0.432	0.628	0.419	0.899	0.762	0.958	0.749	0.550	0.413	0.609	0.399	0.000	0.198	0.028	0.198	0.067	0.188	0.077	0.000	0.115									
		Right side	0.082								2.480	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299																		
Top side			0.088	0.767	0.353	0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.201	0.548	0.569	0.560	0.625	0.289	0.310	0.301	0.367																			
Bottom side	0.929																																								
LTE Band 2	Front	0.528	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.259	0.659	0.592	0.613	0.618	0.803	0.736	0.757	0.762	0.620	0.553	0.574	0.579																			
	Back	0.162	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.107	0.811	1.108	1.035	1.162	0.867	1.164	1.091	1.109	0.813	1.110	1.037	0.026	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.129	0.129	0.157	0.137	0.137	0.164	0.129	0.129	0.157		
	Left side	0.021	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.055	0.572	0.435	0.631	0.421	0.902	0.765	0.961	0.751	0.552	0.416	0.611	0.402	0.001	0.198	0.028	0.198	0.067	0.188	0.077	0.000	0.115										
	Right side	0.064								2.480	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288	0.288																			
	Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.201	0.548	0.569	0.560	0.625	0.289	0.310	0.301	0.367																			
Bottom side	0.875																																								
LTE Band 5	Front	0.905	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.259	0.895	0.827	0.848	0.853	1.039	0.972	0.993	0.998	0.856	0.788	0.810	0.815	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
	Back	0.299	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.192	0.897	1.194	1.121	1.248	0.952	1.249	1.176	1.194	0.899	1.196	1.122	0.134	0.000	0.012	0.000	0.000	0.000	0.000	0.000	0.043	0.197	0.197	0.224	0.204	0.204	0.231	0.197	0.197	0.224	
	Left side	0.330	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.055	0.765	0.628	0.824	0.614	1.095	0.958	1.154	0.944	0.746	0.609	0.804	0.595	0.122	0.198	0.028	0.198	0.067	0.188	0.077	0.000	0.115										
	Right side	0.170								2.480	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354																			
	Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.201	0.548	0.569	0.560	0.625	0.289	0.310	0.301	0.367																			
Bottom side	0.466																																								
LTE Band 7	Front	0.387	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.259	0.571	0.503	0.525	0.530	0.715	0.648	0.669	0.674	0.532	0.465	0.486	0.491																			
	Back	0.143	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.095	0.799	1.096	1.023	1.151	0.855	1.152	1.079	1.097	0.801	1.098	1.025	0.026	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.129	0.129	0.156	0.137	0.137	0.164	0.129	0.129	0.156		
	Left side	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.055	0.559	0.422	0.617	0.408	0.889	0.752	0.947	0.738	0.539	0.402	0.598	0.389		0.198	0.028	0.198	0.067	0.188	0.077	0.000	0.115											
	Right side	0.469								2.480	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541	0.541																			
	Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.201	0.548	0.569	0.560	0.625	0.289	0.310	0.301	0.367																			
Bottom side	0.166																																								
LTE Band 13	Front	0.670	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.259	0.748	0.680	0.702	0.707	0.892	0.825	0.846	0.851	0.709	0.642	0.663	0.668																			
	Back	0.229	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.149	0.853	1.150	1.077	1.204	0.909	1.206	1.132	1.151	0.855	1.152	1.079	0.110	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.182	0.182	0.209	0.189	0.189	0.216	0.182	0.182	0.209		
	Left side	0.382	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.055	0.797	0.661	0.856	0.647	1.127	0.991	1.186	0.977	0.778	0.641	0.837	0.627	0.201	0.198	0.028	0.198	0.067	0.188	0.077	0.000	0.115										
	Right side	0.284								2.480	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426	0.426																			
	Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.201	0.548	0.569	0.560	0.625	0.289	0.310	0.301	0.367																			
Bottom side	0.332																					</																			



<For Body-worn Exposure condition>

<Phone WWAN Tx On>

Body-Worn		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation												Single Point SAR Value from Power Density Location										Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)													
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 Summation	1+2+6 summation 1g SAR (W/kg)	1+2+7+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+6 summation 1g SAR (W/kg)	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+6 summation 1g SAR (W/kg)	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation	1	2	3	4	5	7	8	9	10	1+2+5+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation		
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD																WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																4cm ² /W/(m ²)	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)
CDMA	CDMA2000 BC0	Front	0.690	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.259	0.760	0.972	0.693	0.714	0.826	0.955	1.283	0.887	0.908	0.913	0.722	0.910	0.654	0.675	0.680	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.113	0.113	0.140	0.121		0.121	0.147	0.113	0.113	0.140	
	CDMA2000 BC0	Back	0.282	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.182	1.493	0.886	1.183	1.091	1.237	1.582	0.942	1.239	1.166	1.184	1.496	0.888	1.185	1.112	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.113	0.113	0.140	0.121		0.121	0.147	0.113	0.113	0.140		
	CDMA2000 BC1	Front	1.072	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.259	0.999	1.354	0.932	0.953	1.065	1.193	1.665	1.126	1.147	1.152	0.960	1.292	0.893	0.914	0.919	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000			0.026	0.026	0.028	0.026		0.026			
	CDMA2000 BC1	Back	0.249	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.161	1.460	0.866	1.162	1.070	1.217	1.549	0.921	1.218	1.145	1.163	1.463	0.867	1.164	1.091	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.113	0.113	0.140	0.121		0.121	0.147	0.113	0.113	0.140		
LTE	LTE Band 2	Front	0.910	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.259	0.898	1.192	0.830	0.852	0.963	1.092	1.503	1.025	1.046	1.051	0.859	1.130	0.792	0.813	0.818	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000			0.026	0.028	0.026	0.026		0.026			
	LTE Band 2	Back	0.239	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.155	1.450	0.859	1.156	1.064	1.211	1.539	0.915	1.212	1.139	1.157	1.453	0.861	1.158	1.085	0.000	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.113	0.113	0.140	0.121		0.121	0.147	0.113	0.113	0.140		
	LTE Band 66	Front	1.144	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.259	1.044	1.426	0.977	0.998	1.110	1.238	1.737	1.171	1.192	1.197	1.005	1.364	0.938	0.959	0.964	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.026		0.026	0.028	0.026	0.026	0.026				
	LTE Band 66	Back	0.315	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.202	1.526	0.907	1.204	1.111	1.258	1.615	0.962	1.259	1.186	1.204	1.529	0.909	1.206	1.132	0.038	0.000	0.012	0.000	0.000	0.000	0.000	0.043	0.137	0.137	0.164	0.144	0.171	0.137	0.137	0.137	0.164			

<Phone WWAN Tx Off>

Body-Worn	Reported SAR			Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation										Single Point SAR Value from Power Density Location					Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)							
Exposure Position	2	3	4	5	7	8	10	11	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation	2	3	4	5	8	2+5+11 Summation	2+8+11 Summation	3+5+11 Summation	3+8+11 Summation	4+5+11 Summation	4+8+11 Summation
	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	2.4GHz WLAN Ant 1													5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B13(MOD)							
	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 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)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)							
Front	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.259	0.329	0.262	0.283	0.395	0.523	0.456	0.477	0.482	0.290	0.223	0.244	0.249	0.000	0.012	0.000	0.000	0.000	0.113	0.113	0.121	0.121	0.113	0.113
Back	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.130	1.006	0.710	1.007	0.914	1.061	0.766	1.062	0.989	1.007	0.712	1.009	0.936	0.000	0.012	0.000	0.000	0.000	0.113	0.113	0.121	0.121	0.113	0.113



3. Analysis for mmWave antenna module 2

<For Hotspot Exposure condition>

<Phone WWAN Tx On>

Hotspot		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation												Single Point SAR Value from Power Density Location								Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)											
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 summation	1+2+7+11 summation	1+2+8+11 summation	1+2+10+11 summation	1+3+5+11 summation	1+3+7+11 summation	1+3+8+11 summation	1+3+10+11 summation	1+4+5+11 summation	1+4+7+11 summation	1+4+8+11 summation	1+4+10+11 summation	1	2	3	4	5	7	8	9	10	1+2+5+11 Summation	1+2+7+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)											
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm²2(W/m²2)													1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)											
CDMA	CDMA2000 BCO	Front	0.564	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.669	0.602	0.623	0.628	0.814	0.746	0.767	0.772	0.631	0.563	0.584	0.589						0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134
		Back	0.222	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.160	0.865	1.162	1.088	1.216	0.920	1.217	1.144	1.162	0.867	1.163	1.090	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134
		Left side	0.314	0.384	0.912	0.353	0.501	0.282	0.595	0.472	0.155	0.765	0.628	0.824	0.747	1.095	0.958	1.154	1.077	0.746	0.609	0.804	0.727	0.006	0.009	0.075	0.009	0.005	0.020	0.010	0.000	0.000	0.072	0.066								
		Right side	0.158								1.490	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248																				
		Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.771	0.792	0.783	0.848	0.512	0.533	0.524	0.589																			
	Bottom side	0.305																																								
	CDMA2000 BC1	Front	0.463	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.606	0.539	0.560	0.565	0.751	0.683	0.704	0.709	0.567	0.500	0.521	0.526						0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134
		Back	0.166	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.125	0.830	1.127	1.053	1.181	0.885	1.182	1.109	1.127	0.832	1.128	1.055	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134
		Left side	0.017	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.155	0.579	0.442	0.638	0.429	0.909	0.772	0.968	0.759	0.560	0.423	0.619	0.409	0.000	0.009	0.075	0.009	0.005	0.020	0.010	0.000	0.000										
		Right side	0.082								1.490	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200																				
Top side			0.088	0.767	0.353	0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.771	0.792	0.783	0.848	0.512	0.533	0.524	0.589																				
Bottom side	0.929																																									
LTE	LTE Band 2	Front	0.528	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.647	0.579	0.601	0.606	0.791	0.724	0.745	0.750	0.608	0.541	0.562	0.567						0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134
		Back	0.162	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.123	0.827	1.124	1.051	1.178	0.883	1.180	1.107	1.125	0.829	1.126	1.053	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134
		Left side	0.021	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.155	0.582	0.445	0.641	0.431	0.912	0.775	0.971	0.761	0.562	0.426	0.621	0.412	0.000	0.009	0.075	0.009	0.005	0.020	0.010	0.000	0.000										
		Right side	0.064								1.490	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189																				
		Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.771	0.792	0.783	0.848	0.512	0.533	0.524	0.589																			
	Bottom side	0.875																																								
	LTE Band 5	Front	0.905	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.882	0.815	0.836	0.841	1.027	0.959	0.981	0.986	0.844	0.776	0.797	0.802	0.001	0.000	0.000	0.000	0.004	0.008	0.003	0.000	0.000											
		Back	0.299	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.208	0.913	1.210	1.137	1.264	0.968	1.265	1.192	1.210	0.915	1.212	1.138	0.001	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.142	0.185	0.134	0.143		0.186	0.135	0.143	0.186	0.135
		Left side	0.330	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.155	0.775	0.638	0.834	0.624	1.105	0.968	1.164	0.954	0.756	0.619	0.814	0.605	0.006	0.009	0.075	0.009	0.005	0.020	0.010	0.000	0.000	0.072	0.069								
		Right side	0.170								1.490	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255	0.255																				
Top side			0.088	0.767	0.353	0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.771	0.792	0.783	0.848	0.512	0.533	0.524	0.589																				
LTE Band 7	Bottom side	0.466																																								
	Front	0.387	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.559	0.491	0.512	0.517	0.703	0.636	0.657	0.662	0.520	0.452	0.474	0.479	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134		
	Back	0.143	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.111	0.815	1.112	1.039	1.167	0.871	1.168	1.095	1.113	0.817	1.114	1.041	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134	
	Left side	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.155	0.569	0.432	0.627	0.418	0.899	0.762	0.957	0.748	0.549	0.412	0.608	0.399	0.000	0.009	0.075	0.009	0.005	0.020	0.010	0.000	0.000												
LTE Band 13	Right side	0.469								1.490	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442	0.442																					
	Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.771	0.792	0.783	0.848	0.512	0.533	0.524	0.589																				
	Bottom side	0.332																																								
	Front	0.929	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.897	0.830	0.851	0.856	1.042	0.974	0.996	1.001	0.859	0.791	0.812	0.817	0.000	0.000	0.000	0.000	0.004	0.008	0.003	0.000	0.000												
LTE Band 66	Back	0.247	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.165	0.869	1.166	1.093	1.220	0.925	1.222	1.148	1.167	0.871	1.168	1.095	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134	
	Left side	0.079	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.155	0.619	0.481	0.677	0.467	0.998	0.811	1.007	0.962	0.788	0.651	0.847	0.637	0.008	0.009	0.075	0.009	0.005	0.020	0.010	0.000	0.000	0.069										
	Right side	0.																																								



<For Body-worn Exposure condition>

<Phone WWAN Tx On>

Body-Worn		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation												Single Point SAR Value from Power Density Location										Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)													
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 Summation	1+2+6 summation 1g SAR (W/kg)	1+2+7+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+6 summation 1g SAR (W/kg)	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+6 summation 1g SAR (W/kg)	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation	1	2	3	4	5	7	8	9	10	1+2+5+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation		
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD																WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm*2(W/m^2)																1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)												
CDMA	CDMA2000 BC0	Front	0.690	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.748	0.972	0.681	0.702	0.814	0.942	1.283	0.875	0.896	0.901	0.709	0.910	0.642	0.663	0.668	0.003	0.000	0.000	0.000	0.004	0.008	0.003	0.000	0.000	0.142	0.185	0.134	0.143		0.187	0.135	0.143	0.187	0.136		
	CDMA2000 BC0	Back	0.282	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.198	1.493	0.902	1.199	1.107	1.253	1.582	0.958	1.255	1.182	1.200	1.496	0.904	1.201	1.128	0.002	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002												
	CDMA2000 BC1	Front	1.072	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.987	1.354	0.919	0.941	1.052	1.181	1.665	1.114	1.135	1.140	0.948	1.292	0.881	0.902	0.907	0.000	0.000	0.000	0.000	0.004	0.008	0.003	0.000	0.000			0.014	0.016	0.019	0.016	0.014					
	CDMA2000 BC1	Back	0.249	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.177	1.460	0.882	1.178	1.086	1.233	1.549	0.937	1.234	1.161	1.179	1.463	0.883	1.180	1.107	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134		
LTE	LTE Band 2	Front	0.910	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.886	1.192	0.818	0.839	0.951	1.080	1.503	1.012	1.034	1.039	0.847	1.130	0.779	0.801	0.806	0.000	0.000	0.000	0.000	0.004	0.008	0.003	0.000	0.000				0.016	0.019	0.016	0.014					
	LTE Band 2	Back	0.239	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.171	1.450	0.875	1.172	1.080	1.227	1.539	0.931	1.228	1.155	1.173	1.453	0.877	1.174	1.101	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134		
	LTE Band 66	Front	1.144	0.282	0.593	0.220	0.203	0.095	0.129	0.137	1.032	1.426	0.964	0.986	1.097	1.226	1.737	1.159	1.180	1.185	0.993	1.364	0.926	0.947	0.952	0.000	0.000	0.000	0.000	0.004	0.008	0.003	0.000	0.000	0.017		0.014	0.017	0.019	0.016	0.014					
	LTE Band 66	Back	0.315	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.638	1.526	0.923	1.220	1.127	1.274	1.615	0.978	1.275	1.202	1.220	1.529	0.925	1.222	1.148	0.000	0.004	0.006	0.006	0.014	0.063	0.084	0.000	0.002	0.141	0.185	0.133	0.142		0.185	0.134	0.142	0.185	0.134	

<Phone WWAN Tx Off>

Body-Worn	Reported SAR			Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation												Single Point SAR Value from Power Density Location						Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)							
Exposure Position	2	3	4	5	7	8	10	11	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation	2	3	4	5	8	10	2+5+11 Summation	2+8+11 Summation	3+5+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+8+11 Summation	
	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B13(MOD)	LTE B66(MOD)								
	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm*2(W/m^2)													1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)								
Front	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.137	0.317	0.249	0.271	0.382	0.511	0.444	0.465	0.470	0.278	0.211	0.232	0.237														
Back	0.047	0.136	0.050	1.381	0.908	1.383	1.266	1.290	1.022	0.726	1.023	0.930	1.077	0.782	1.078	1.005	1.023	0.728	1.025	0.952	0.004	0.006	0.006	0.014	0.084	0.002	0.141	0.185	0.142	0.185	0.134	0.142		0.185



4. Analysis for mmWave antenna module 3

<For Head Exposure condition>

<Phone WWAN Tx On>

Head			Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation												Single Point SAR Value from Power Density Location										Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)					
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 Summation	1+2+7+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation	1	2	3	5	7	8	9	10	1+2+5+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+9+11 Summation	1+3+10+11 Summation			
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)									
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2(W/m^2)													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)									
CDMA	CDMA2000 BC0	Right Cheek	0.354	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.744	0.672	0.653	0.658	1.147	1.074	1.055	1.060	0.725	0.652	0.634	0.639	0.013		0.410	0.029	0.021	0.027	0.004	0.032		0.321	0.316	0.320	0.305	0.323		
		Right Tilted	0.189	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.466	0.415	0.411	0.402	0.697	0.646	0.642	0.633	0.549	0.498	0.494	0.485																
		Left Cheek	0.469	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.466	0.477	0.471	0.446	0.559	0.570	0.564	0.539	0.670	0.682	0.675	0.650																
		Left Tilted	0.204	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.277	0.295	0.285	0.277	0.368	0.387	0.376	0.368	0.475	0.494	0.484	0.475																
	CDMA2000 BC1	Right Cheek	0.289	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.704	0.631	0.612	0.617	1.106	1.034	1.015	1.020	0.684	0.612	0.593	0.598	0.017		0.410	0.029	0.021	0.027		0.032		0.324	0.319	0.322		0.325		
		Right Tilted	0.109	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.416	0.365	0.361	0.352	0.647	0.596	0.592	0.583	0.499	0.448	0.444	0.435																
		Left Cheek	0.217	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.309	0.320	0.314	0.289	0.401	0.412	0.406	0.381	0.513	0.524	0.518	0.493																
		Left Tilted	0.170	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.255	0.274	0.264	0.255	0.347	0.365	0.355	0.347	0.454	0.473	0.462	0.454																
LTE	LTE Band 2	Right Cheek	0.316	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.720	0.648	0.629	0.634	1.123	1.050	1.032	1.037	0.701	0.629	0.610	0.615	0.013		0.410	0.029	0.021	0.027	0.004	0.032		0.321	0.316	0.320	0.305	0.323		
		Right Tilted	0.114	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.419	0.369	0.364	0.355	0.650	0.599	0.595	0.586	0.502	0.451	0.447	0.438																
		Left Cheek	0.256	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.333	0.344	0.338	0.313	0.425	0.437	0.430	0.405	0.537	0.549	0.542	0.517																
		Left Tilted	0.202	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.275	0.294	0.284	0.275	0.367	0.385	0.375	0.367	0.474	0.493	0.482	0.474																
	LTE Band 5	Right Cheek	0.263	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.687	0.615	0.596	0.601	1.090	1.017	0.999	1.004	0.668	0.595	0.577	0.582	0.019		0.410	0.029	0.021			0.032		0.325	0.320		0.327			
		Right Tilted	0.135	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.432	0.382	0.377	0.369	0.663	0.612	0.608	0.599	0.515	0.464	0.460	0.451																
		Left Cheek	0.326	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.377	0.388	0.382	0.357	0.469	0.480	0.474	0.449	0.581	0.592	0.586	0.561																
		Left Tilted	0.159	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.249	0.267	0.257	0.249	0.340	0.359	0.348	0.340	0.447	0.466	0.455	0.447																
	LTE Band 7	Right Cheek	0.788	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	1.015	0.943	0.924	0.929	1.418	1.345	1.327	1.332	0.996	0.924	0.905	0.910	0.010	0.239	0.410	0.029	0.021	0.027	0.004	0.032	0.212	0.319	0.314	0.318	0.304	0.321		
		Right Tilted	0.299	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.535	0.484	0.480	0.471	0.765	0.715	0.710	0.702	0.617	0.567	0.562	0.554																
		Left Cheek	0.427	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.440	0.451	0.445	0.420	0.532	0.544	0.537	0.512	0.644	0.655	0.649	0.624																
		Left Tilted	0.306	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.340	0.359	0.349	0.340	0.432	0.450	0.440	0.432	0.539	0.558	0.547	0.539																
	LTE Band 13	Right Cheek	0.227	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.665	0.592	0.574	0.579	1.067	0.995	0.976	0.981	0.645	0.573	0.554	0.559	0.010		0.410	0.029					0.319							
		Right Tilted	0.132	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.430	0.380	0.375	0.367	0.661	0.610	0.606	0.597	0.513	0.462	0.458	0.449																
		Left Cheek	0.262	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.337	0.348	0.342	0.317	0.429	0.440	0.434	0.409	0.541	0.552	0.546	0.521																
		Left Tilted	0.136	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.234	0.253	0.242	0.234	0.325	0.344	0.334	0.325	0.433	0.452	0.441	0.433																
	LTE Band 66	Right Cheek	0.570	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.879	0.807	0.788	0.793	1.282	1.209	1.190	1.195	0.860	0.787	0.769	0.774	0.027		0.410	0.029	0.021	0.027	0.004	0.032		0.330	0.325	0.329	0.314	0.332		
		Right Tilted	0.175	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.457	0.407	0.402	0.394	0.688	0.637	0.633	0.624	0.540	0.489	0.485	0.476																
		Left Cheek	0.348	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.390	0.402	0.395	0.370	0.483	0.494	0.488	0.463	0.595	0.606	0.600	0.575																
		Left Tilted	0.217	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.285	0.304	0.293	0.285	0.376	0.395	0.384	0.376	0.484	0.502	0.492	0.484																

<Phone WWAN Tx Off>

Head	Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation										
	2	3	4	5	7	8	10	11	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation
	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD												
Exposure Position	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm²2(W/m²2)												
Right Cheek	0.469	1.113	0.438	0.306	0.190	0.160	0.168	0.385	0.523	0.450	0.432	0.437	0.925	0.853	0.834	0.839	0.504	0.431	0.412	0.417
Right Tilted	0.306	0.675	0.438	0.189	0.108	0.101	0.087	0.385	0.348	0.297	0.293	0.284	0.579	0.528	0.524	0.515	0.430	0.380	0.375	0.367
Left Cheek	0.111	0.259	0.438	0.104	0.122	0.112	0.072	0.385	0.173	0.184	0.178	0.153	0.265	0.277	0.270	0.245	0.377	0.389	0.382	0.357
Left Tilted	0.120	0.266	0.438	0.057	0.087	0.070	0.057	0.385	0.149	0.168	0.157	0.149	0.240	0.259	0.249	0.240	0.348	0.367	0.356	0.348

<For Hotspot Exposure condition>

<Phone WWAN Tx On>

Hotspot		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/L6 + PD/10 Summation										Single Point SAR Value from Power Density Location										Single Point SAR from Power Density Location Summation (Peak SAR/L6 + PD/10)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 summation	1+2+7+11 summation	1+2+8+11 summation	1+2+10+11 summation	1+3+5+11 summation	1+3+7+11 summation	1+3+8+11 summation	1+3+10+11 summation	1+4+5+11 summation	1+4+7+11 summation	1+4+8+11 summation	1+4+10+11 summation	1	2	3	4	5	7	8	9	10	1+2+5+11 Summation	1+2+8+11 Summation	1+2+9+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+9+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
CDMA	CDMA2000 BC0	Front	0.564	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.385	0.694	0.627	0.648	0.653	0.839	0.771	0.792	0.797	0.655	0.588	0.609	0.614			0.126	0.001	0.000	0.006	0.013	0.013	0.001	0.001							0.805	0.112	0.728	0.457	0.821	0.745																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Back	0.222	0.047	0.136	0.050	1.381	0.908	1.383	1.266	0.916	1.123	0.827	1.124	1.051	1.178	0.883	1.180	1.107	1.125	0.829	1.126	1.053	0.018	0.046	0.014	0.040	0.528	1.260	1.110	0.001	0.988	0.461	0.825	0.132	0.748	0.441																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Left side	0.314	0.384	0.912	0.353	0.501	0.282	0.595	0.472	0.896	0.839	0.702	0.898	0.821	1.169	1.032	1.228	1.151	0.820	0.683	0.878	0.801	0.000	0.000	0.628	0.000	0.002	0.018	0.004	0.000	0.000	0.090	0.483	0.493	0.485	0.482	0.482																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		Right side	0.158								0.823	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181	0.181																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.901	0.922	0.913	0.978	0.642	0.663	0.654	0.719																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Bottom side	0.305																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	CDMA2000 BC1	Front	0.463	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.385	0.631	0.564	0.585	0.590	0.775	0.708	0.729	0.734	0.592	0.525	0.546	0.551			0.126	0.001	0.000	0.006	0.013	0.013	0.001	0.001							0.794	0.101	0.718	0.447	0.810	0.734																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Back	0.166	0.047	0.136	0.050	1.381	0.908	1.383	1.266	0.916	1.088	0.792	1.089	1.016	1.143	0.848	1.145	1.072	1.090	0.794	1.091	1.018	0.000	0.046	0.014	0.040	0.528	1.260	1.110	0.001	0.988	0.450	0.814		0.738	0.430																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Left side	0.017	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.896	0.653	0.516	0.712	0.503	0.983	0.846	1.042	0.833	0.634	0.497	0.693	0.483	0.000	0.000	0.628	0.000	0.002	0.018	0.004	0.000	0.000							0.485	0.482																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Right side	0.082								0.823	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134	0.134																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Top side			0.088	0.767	0.353	0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.901	0.922	0.913	0.978	0.642	0.663	0.654	0.719																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
LTE Band 2	Bottom side	0.929																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Front	0.528	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.385	0.672	0.604	0.625	0.630	0.816	0.749	0.770	0.775	0.633	0.565	0.587	0.592			0.126	0.001	0.000	0.006	0.013	0.013	0.001	0.001							0.794	0.101	0.718	0.447	0.810	0.734																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Back	0.162	0.047	0.136	0.050	1.381	0.908	1.383	1.266	0.916	1.085	0.790	1.087	1.013	1.141	0.845	1.142	1.069	1.087	0.792	1.088	1.015	0.000	0.046	0.014	0.040	0.528	1.260	1.110	0.001	0.988	0.450	0.814		0.738	0.430																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Left side	0.021	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.896	0.656	0.519	0.715	0.505	0.986	0.849	1.045	0.835	0.636	0.500	0.695	0.486	0.000	0.000	0.628	0.000	0.002	0.018	0.004	0.000	0.000							0.485	0.482																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Right side	0.064								0.823	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122	0.122																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
LTE Band 5	Top side		0.088	0.767	0.353	0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.901	0.922	0.913	0.978	0.642	0.663	0.654	0.719																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Bottom side	0.875																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Front	0.905	0.282	0.513	0.220	0.203	0.095	0.129	0.137	0.385	0.907	0.840	0.861	0.866	1.052	0.984	1.005	1.010	0.869	0.801	0.822	0.827	0.020	0.126	0.001	0.000	0.006	0.013	0.013	0.001	0.001							0.060	0.052	0.052																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Back	0.299	0.047	0.136	0.050	1.381	0.908	1.383	1.266	0.916	1.171	0.875	1.172	1.099	1.227	0.931	1.228	1.155	1.173	0.877	1.174	1.101	0.027	0.046	0.014	0.040	0.528	1.260	1.110	0.001	0.988	0.467	0.831	0.138	0.755	0.447	0.811	0.118	0.735	0.463	0.827	0.751																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Left side	0.330	0.384	0.912	0.353	0.501	0.282	0.595	0.260	0.896	0.849	0.712	0.908	0.698	1.179	1.042	1.238	1.028	0.830	0.693	0.888	0.679	0.000	0.000	0.628	0.000	0.002	0.018	0.004	0.000	0.000	0.090	0.483	0.493	0.485	0.482	0.482																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

<For Body-worn Exposure condition>

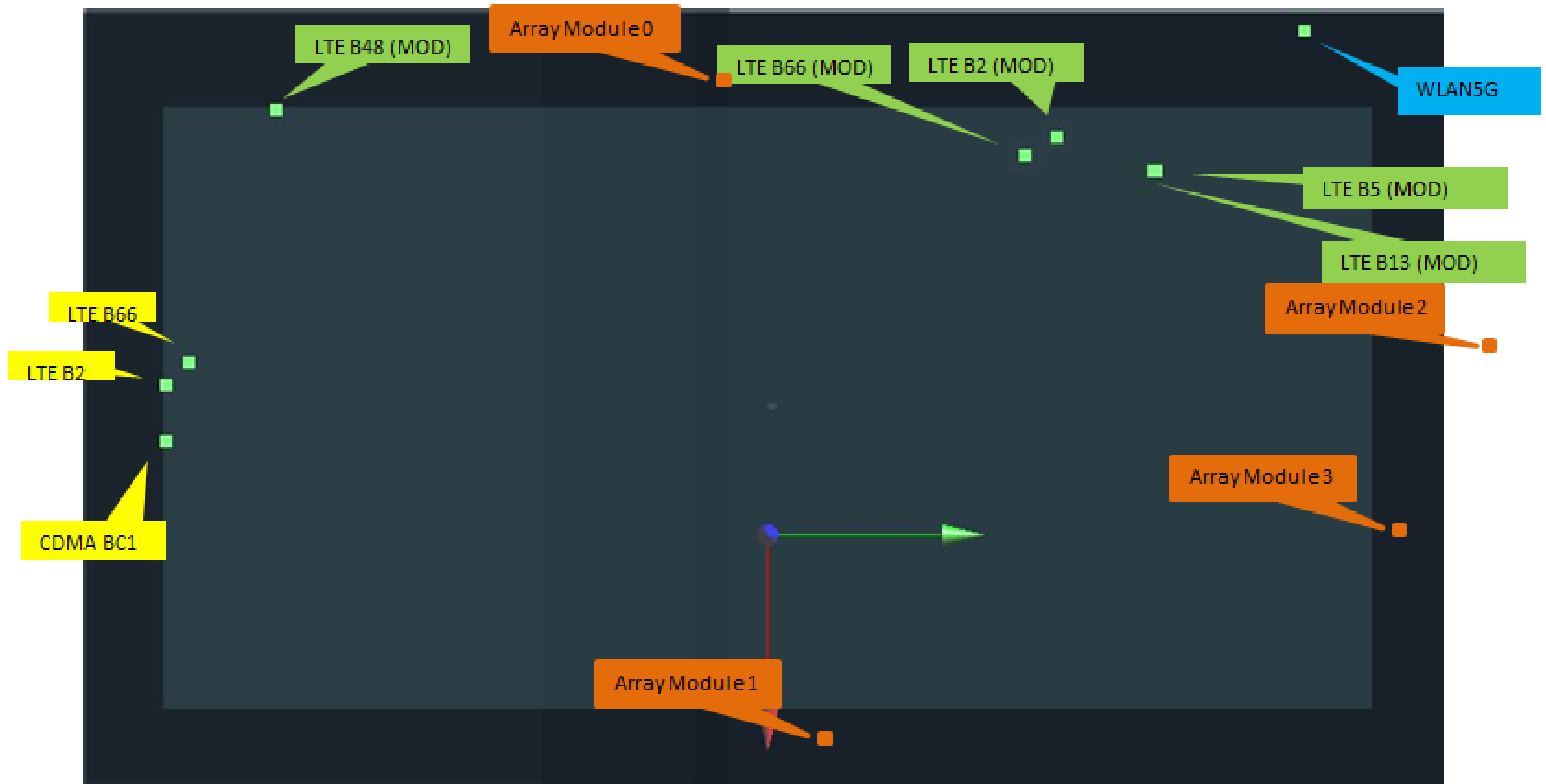
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Body-Worn		Reported SAR				Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation														Single Point SAR Value from Power Density Location										Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)																																																																																																																																																																																																																																																																																																																																																																																																																																											
WWAN Band	Exposure Position	1	2	3	4	5	7	8	10	11	1+2+5+11 Summation	1+2+6 summation 1g SAR (W/kg)	1+2+7+11 Summation	1+2+8+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+6 summation 1g SAR (W/kg)	1+3+7+11 Summation	1+3+8+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+6 summation 1g SAR (W/kg)	1+4+7+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation	1	2	3	4	5	7	8	9	10	1+2+5+11 Summation	1+2+8+11 Summation	1+2+9+11 Summation	1+2+10+11 Summation	1+3+5+11 Summation	1+3+7+11 Summation	1+3+8+11 Summation	1+3+9+11 Summation	1+3+10+11 Summation	1+4+5+11 Summation	1+4+8+11 Summation	1+4+10+11 Summation																																																																																																																																																																																																																																																																																																																																																																																																																																
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD																WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B48(MOD)	LTE B66(MOD)																																																																																																																																																																																																																																																																																																																																																																																																																																												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)																4cm*2(W/m^2)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)

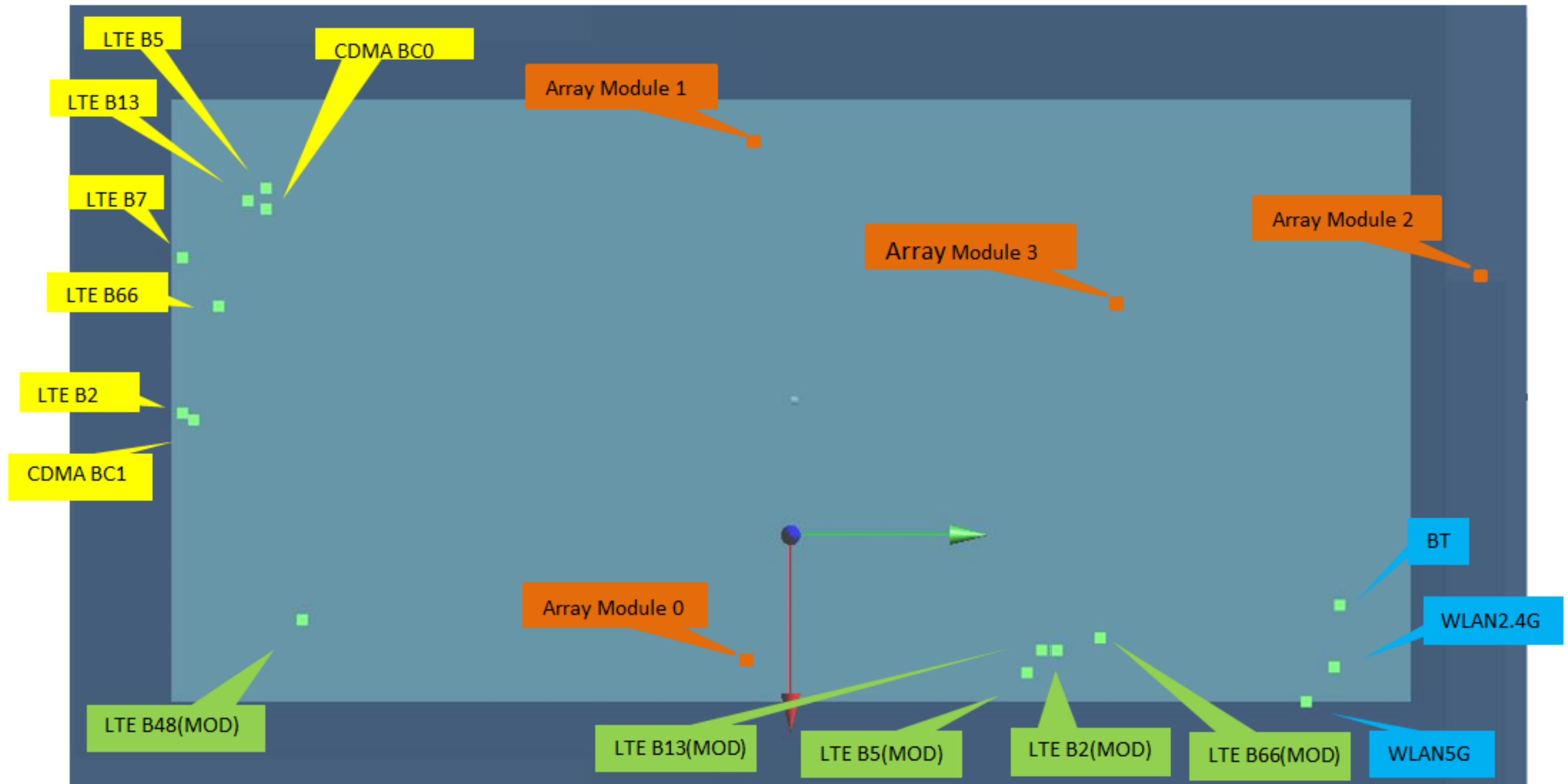
<Phone WWAN Tx Off>

Body-Worn	Reported SAR			Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation														Single Point SAR Value from Power Density Location			Single Point SAR from Power Density Location Summation (Peak SAR/1.6 + PD/10)	
Exposure Position	2	3	4	5	7	8	10	11	2+5+11 Summation	2+7+11 Summation	2+8+11 Summation	2+10+11 Summation	3+5+11 Summation	3+7+11 Summation	3+8+11 Summation	3+10+11 Summation	4+5+11 Summation	4+7+11 Summation	4+8+11 Summation	4+10+11 Summation	3	5	8	3+5+11 Summation	3+8+11 Summation		
	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD													5GHz WLAN Ant 1	LTE B2 (MOD)	LTE B13(MOD)				
	1g SAR (W/kg)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm*2(W/m^2)													1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)				
Front	0.282	0.593	0.220	0.203	0.095	0.129	0.137	0.385	0.342	0.274	0.295	0.407	0.536	0.469	0.490	0.495	0.303	0.235	0.257	0.262				0.430	0.794		
Back	0.047	0.136	0.050	1.381	0.908	1.383	1.266	0.916	0.984	0.688	0.985	0.893	1.040	0.744	1.041	0.968	0.986	0.690	0.987	0.914	0.014	0.528	1.110				

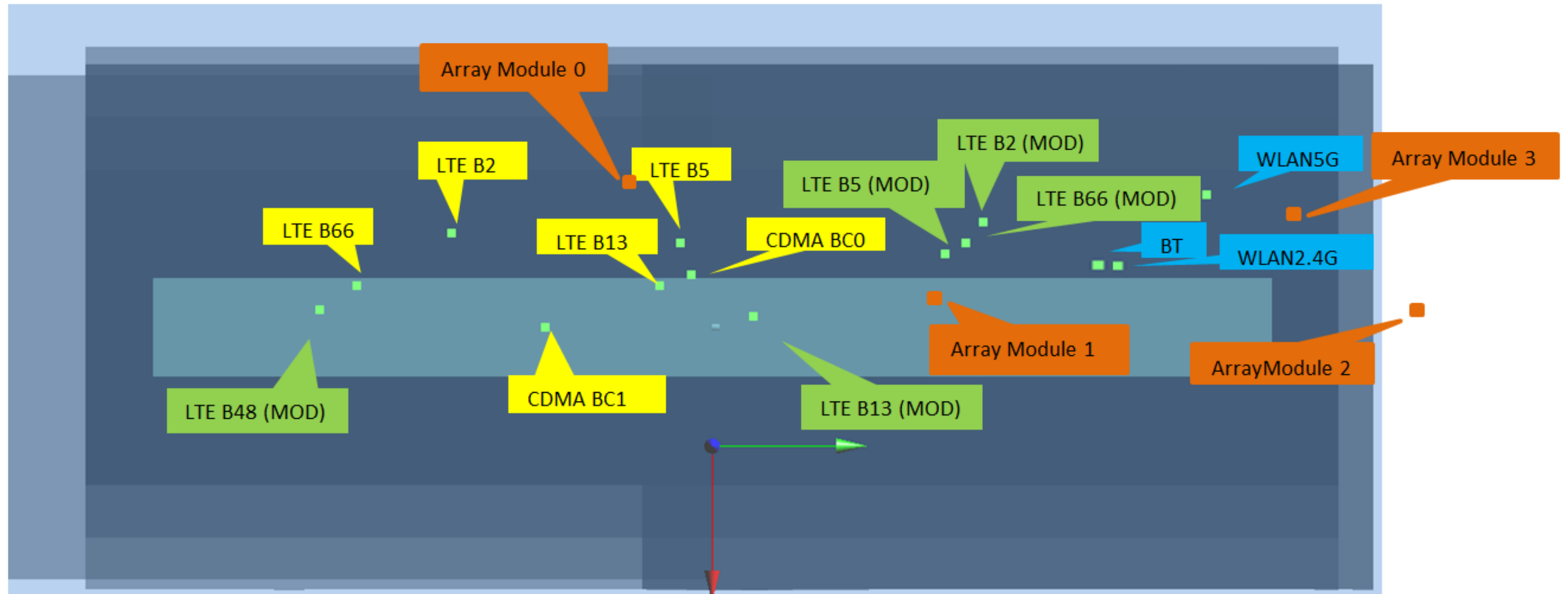
Each transmitter SAR and PD peak location for Front exposure position



Each transmitter SAR and PD peak location for Back exposure position



Each transmitter SAR and PD peak location for Left Side exposure position



Each transmitter SAR and PD peak location for Right Cheek exposure position

