



## Appendix D. Simultaneous Transmission analysis

## 1. Analysis for mmWave n260 antenna module 0

&lt;For Head Exposure condition&gt;

&lt;Phone WWAN Tx On&gt;

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	6	7	8	9	10	11	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	1	2	3	4	5	6	7	8	9	10	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation		
		WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	1g SAR (W/kg)	4cm^2(W/m^2)	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)	4cm^2(W/m^2)	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)				
CDMA	CDMA2000 BC0	Right Cheek	0.230	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.490	0.629	0.557	0.538	0.543	1.057	0.985	0.966	0.971	0.143			0.005	0.006		0.034				0.167				
		Right Tilted	0.145	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.490	0.458	0.408	0.403	0.395	1.057	1.006	1.002	0.993	0.116			0.008	0.006		0.018	0.011	0.010		0.141	0.137	0.136		
		Left Cheek	0.190	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.490	0.663	0.674	0.668	0.643	0.880	0.891	0.885	0.860															
		Left Tilted	0.123	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.490	0.491	0.510	0.499	0.491	0.894	0.913	0.902	0.894															
	CDMA2000 BC1	Right Cheek	0.275	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.490	0.657	0.585	0.566	0.571	1.085	1.013	0.994	0.999	0.159			0.005	0.006		0.034	0.039			0.177	0.180			
		Right Tilted	0.171	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.490	0.475	0.424	0.420	0.411	1.073	1.022	1.018	1.009	0.049			0.008	0.006		0.018	0.011	0.010	0.008	0.098	0.095	0.093	0.093	
		Left Cheek	0.380	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.490	0.782	0.793	0.787	0.762	0.998	1.010	1.003	0.978	0.329			0.005	0.004		0.040	0.035			0.286	0.282			
		Left Tilted	0.145	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.490	0.505	0.523	0.513	0.505	0.908	0.927	0.916	0.908															
LTE	LTE Band 7	Right Cheek	0.353	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.490	0.706	0.633	0.615	0.620	1.134	1.062	1.043	1.048	0.053			0.005	0.006		0.034	0.039	0.027	0.035	0.110	0.113	0.106	0.111	
		Right Tilted	0.114	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.490	0.439	0.388	0.384	0.375	1.037	0.987	0.982	0.973	0.012			0.008	0.006		0.018				0.075				
		Left Cheek	0.153	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.490	0.640	0.651	0.645	0.620	0.857	0.868	0.862	0.837															
		Left Tilted	0.112	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.490	0.484	0.503	0.492	0.484	0.887	0.906	0.895	0.887															
	LTE Band 12	Right Cheek	0.309	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.490	0.678	0.606	0.587	0.592	1.107	1.034	1.015	1.020	0.112			0.005	0.006		0.034	0.039	0.027	0.035	0.147	0.150	0.143	0.148	
		Right Tilted	0.055	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.490	0.402	0.352	0.347	0.338	1.000	0.950	0.945	0.937	0.039			0.008	0.006		0.018				0.092				
		Left Cheek	0.223	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.490	0.683	0.695	0.688	0.663	0.900	0.912	0.905	0.880															
		Left Tilted	0.069	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.490	0.457	0.476	0.465	0.457	0.860	0.879	0.868	0.860															
LTE	LTE Band 13	Right Cheek	0.333	0.341	0.051	0.353	0.724																													



# RF EXPOSURE EVALUATION REPORT

Report No.: FA890514-05B

<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	6	7	8	9	10	11	WWAN	2.4GHz Ant 1	5GHz Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	1	2	3	4	5	6	7	8	9	10	WWAN	2.4GHz Ant 1	5GHz Ant 1	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth WLAN Ant 1	LTE B2 (MOD) WLAN Ant 1	LTE B5 (MOD) WLAN Ant 1	LTE B13(MOD) WLAN Ant 1	LTE B66(MOD) WLAN Ant 1				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)	4cm^2(W/m^2)	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	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)	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation												
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	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)	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	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)	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation													
CDMA	CDMA2000 BC0	Front	0.970	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.490	1.002	0.934	0.955	0.960	1.008	0.940	0.962	0.967	0.254	0.000	0.121	0.000	0.000	0.030				0.302				0.227																				
		Back	0.579	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	5.640	1.415	1.355	1.380	1.320	1.517	1.457	1.482	1.422	0.156	0.000	0.043	0.001	0.003	0.007	0.228	0.410	0.019	0.693	0.831	0.945	0.700	0.668	0.807	0.920	0.676																	
		Left side	0.290	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	1.690	0.727	0.590	0.786	0.709	0.705	0.568	0.763	0.687																																		
	CDMA2000 BC1	Right side	0.550	0.059	0.039	0.015	0.021						0.376	0.443	0.443	0.443	0.404	0.404	0.404	0.404																																			
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150		0.071	0.093	0.083	0.149	0.208	0.229	0.220	0.286																																			
		Bottom side	0.383	0.003	0.255								0.433	0.444	0.444	0.444	0.283	0.283	0.283	0.283																																			
LTE	LTE Band 7	Front	0.970	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.490	1.002	0.934	0.955	0.960	1.008	0.940	0.962	0.967	0.105	0.000	0.121	0.000	0.000	0.030				0.209				0.133																				
		Back	0.407	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	5.640	1.307	1.247	1.272	1.213	1.409	1.349	1.374	1.315	0.120	0.000	0.043	0.001	0.003	0.007	0.228	0.410	0.019	0.670	0.808	0.922	0.678	0.646	0.784	0.898	0.653																	
		Left side	0.063	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	1.690	0.585	0.448	0.644	0.567	0.563	0.426	0.622	0.545																																		
	LTE Band 12	Right side	0.311	0.059	0.039	0.015	0.021						0.376	0.293	0.293	0.293	0.254	0.254	0.254	0.254																																			
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150		0.071	0.093	0.083	0.149	0.208	0.229	0.220	0.286																																			



# **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

### **<For Body-worn Exposure condition>**

### **<Phone WWAN Tx On>**

### <Phone WWAN Tx Off>



## **2. Analysis for mmWave n260 Antenna module 1**

### **<For Head Exposure condition>**

## <Phone WWAN Tx On>

## <Phone WWAN Tx Off>

Head	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation		Reported SAR/1.6 + PD/10 Summation					
	1	2	3	4	5	6	7	8	9		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
Exposure Position	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)								
	Right Cheek	0.341	0.051	0.353	0.724	0.306	0.190	0.160	0.168	0.545	0.491	0.418	0.400	0.405	0.919	0.846	0.828	0.833
Right Tilted	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.545	0.373	0.323	0.318	0.310	0.971	0.921	0.916	0.908
Left Cheek	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.545	0.550	0.561	0.555	0.530	0.766	0.778	0.771	0.746
Left Tilted	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.545	0.420	0.438	0.428	0.420	0.823	0.841	0.831	0.823



## **RF EXPOSURE EVALUATION REPORT**

Report No.: FA890514-05B

### **<For Hotspot Exposure condition>**

### **<Phone WWAN Tx On>**



# **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

### **<For Body-worn Exposure condition>**

### **<Phone WWAN Tx On>**

### <Phone WWAN Tx Off>



### **3. Analysis for mmWave n260 antenna module 2**

## **<For Hotspot Exposure condition>**

## <Phone WWAN Tx On>



# **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

Hotspot	Reported SAR					Report SAR (Mod)					Power Density	Reported SAR/1.6 + PD/10 Summation							
	1	2	3	4	5	6	7	8	9	10		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)									
Front	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	1.630	0.509	0.442	0.463	0.468	0.516	0.448	0.469	0.474	
Back	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	2.550	0.744	0.684	0.709	0.649	0.846	0.786	0.811	0.751	
Left side	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.727	0.450	0.313	0.508	0.431	0.427	0.290	0.486	0.409	
Right side	0.059	0.039	0.015	0.021						3.010	0.362	0.362	0.362	0.324	0.324	0.324	0.324	0.324	
Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	5.900	0.661	0.683	0.673	0.739	0.798	0.819	0.810	0.876	
Bottom side	0.003	0.255									0.161	0.161	0.161	0.161	0.000	0.000	0.000	0.000	

### **<For Body-worn Exposure condition>**

### **<Phone WWAN Tx On>**

## <Phone WWAN Tx Off>

Body-Worn	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
Exposure Position	1	2	3	4	5	6	7	8	9	10	1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+5+6+10 Summation	3+4+5+7+10 Summation	3+4+5+8+10 Summation	3+4+5+9+10 Summation	1+4+5+6+10 Summation	1+4+5+7+10 Summation	1+4+5+8+10 Summation	1+4+5+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)	4cm²(W/m²)												
Front	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	1.630	0.509	0.442	0.463	0.468	0.536	0.468	0.489	0.494	0.512	0.444	0.466	0.471
Back	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.550	0.744	0.684	0.709	0.649	0.850	0.790	0.815	0.756	0.739	0.679	0.704	0.644



## **4. Analysis for mmWave n260 antenna module 3**

### **<For Head Exposure condition>**

## <Phone WWAN Tx On>

## <Phone WWAN Tx Off>

Head	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation		Reported SAR/1.6 + PD/10 Summation					
	1	2	3	4	5	6	7	8	9		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
Exposure Position	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2(W/m^2)									
	Right Cheek	0.341	0.051	0.353	0.724	0.306	0.190	0.160	0.168	0.675	0.504	0.431	0.413	0.418	0.932	0.859	0.841	0.846
Right Tilted	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.675	0.386	0.336	0.331	0.323	0.984	0.934	0.929	0.921
Left Cheek	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.675	0.563	0.574	0.568	0.543	0.779	0.791	0.784	0.759
Left Tilted	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.675	0.433	0.451	0.441	0.433	0.836	0.854	0.844	0.836



# **RF EXPOSURE EVALUATION REPORT**

Report No.: FA890514-05B

## <For Hotspot Exposure condition>

## <Phone WWAN Tx On>



## **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

Hotspot	Reported SAR					Report SAR (Mod)					Power Density	Reported SAR/1.6 + PD/10 Summation							
	1	2	3	4	5	6	7	8	9	10		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)									
Front	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.675	0.414	0.346	0.368	0.373	0.420	0.353	0.374	0.379	
Back	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	2.800	0.769	0.709	0.734	0.674	0.871	0.811	0.836	0.776	
Left side	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.665	0.443	0.307	0.502	0.425	0.421	0.284	0.480	0.403	
Right side	0.059	0.039	0.015	0.021						0.929	0.154	0.154	0.154	0.154	0.115	0.115	0.115	0.115	
Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	3.120	0.383	0.405	0.395	0.461	0.520	0.541	0.532	0.598	
Bottom side	0.003	0.255									0.161	0.161	0.161	0.161	0.000	0.000	0.000	0.000	

### **<For Body-worn Exposure condition>**

### **<Phone WWAN Tx On>**

### **<Phone WWAN Tx Off>**

Body-Worn	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
Exposure Position	1	2	3	4	5	6	7	8	9	10	1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+5+6+10 Summation	3+4+5+7+10 Summation	3+4+5+8+10 Summation	3+4+5+9+10 Summation	1+4+5+6+10 Summation	1+4+5+7+10 Summation	1+4+5+8+10 Summation	1+4+5+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)	4cm²/W(m²)												
Front	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.675	0.414	0.346	0.368	0.373	0.440	0.373	0.394	0.399	0.416	0.349	0.370	0.375
Back	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.800	0.769	0.709	0.734	0.674	0.875	0.815	0.840	0.781	0.764	0.704	0.729	0.669



## 5. Analysis for mmWave n261 antenna module 0

&lt;For Head Exposure condition&gt;

&lt;Phone WWAN Tx On&gt;

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	6	7	8	9	10	11	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	1	2	3	4	5	6	7	8	9	10	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation								
		WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD								WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation
		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)	1g SAR (W/kg)	4cm^2(W/m^2)								WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation
CDMA	CDMA2000 BC0	Right Cheek	0.230	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.115	0.592	0.519	0.500	0.505	1.020	0.947	0.928	0.933	0.143			0.005	0.006		0.034					0.129									
		Right Tilted	0.145	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.115	0.421	0.370	0.366	0.357	1.019	0.968	0.964	0.955	0.116			0.008	0.006		0.018					0.103									
		Left Cheek	0.190	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.115	0.625	0.637	0.630	0.605	0.842	0.853	0.847	0.822																					
		Left Tilted	0.123	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.115	0.453	0.472	0.462	0.453	0.857	0.875	0.865	0.857																					
	CDMA2000 BC1	Right Cheek	0.275	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.115	0.620	0.547	0.528	0.533	1.048	0.975	0.957	0.962	0.159			0.005	0.006		0.034					0.139									
		Right Tilted	0.171	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.115	0.437	0.387	0.382	0.373	1.035	0.985	0.980	0.972	0.049			0.008	0.006		0.018					0.061									
		Left Cheek	0.380	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.115	0.744	0.755	0.749	0.724	0.961	0.972	0.966	0.941																					
		Left Tilted	0.145	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.115	0.467	0.486	0.475	0.467	0.870	0.889	0.878	0.870																					
LTE	LTE Band 7	Right Cheek	0.353	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.115	0.668	0.596	0.577	0.582	1.097	1.024	1.005	1.010	0.053			0.005	0.006		0.034	0.053	0.037	0.036	0.073	0.085	0.075	0.074							
		Right Tilted	0.114	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.115	0.402	0.351	0.347	0.338	1.000	0.949	0.945	0.936																					
		Left Cheek	0.153	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.115	0.602	0.613	0.607	0.582	0.819	0.830	0.824	0.799																					
		Left Tilted	0.112	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.115	0.447	0.465	0.455	0.447	0.850	0.868	0.858	0.850																					
	LTE Band 12	Right Cheek	0.309	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.115	0.641	0.568	0.550	0.555	1.069	0.997	0.978	0.983	0.112			0.005	0.006		0.034					0.110									
		Right Tilted	0.055	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.115	0.365	0.314	0.310	0.301	0.963	0.912	0.908	0.899																					
		Left Cheek	0.223	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.115	0.646	0.657	0.651	0.626	0.863	0.874	0.868	0.843																					
		Left Tilted	0.069</																																							



## **RF EXPOSURE EVALUATION REPORT**

Report No.: FA890514-05B

### **<For Hotspot Exposure condition>**

### **<Phone WWAN Tx On>**



## **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

Hotspot	Reported SAR					Report SAR (Mod)					Power Density	Reported SAR/1.6 + PD/10 Summation							
	1	2	3	4	5	6	7	8	9	10		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)									
	Front	0.108	0.243	0.140	0.221	0.203	0.095	0.129	0.137	0.115	0.358	0.290	0.312	0.317	0.364	0.297	0.318	0.323	
	Back	0.048	0.140	0.222	0.129	0.594	0.498	0.538	0.443	2.470	0.736	0.676	0.701	0.641	0.838	0.778	0.803	0.743	
Left side	0.018	0.084	0.006	0.060	0.501	0.282	0.595	0.472	4.990	0.876	0.739	0.935	0.658	0.853	0.717	0.912	0.835		
Right side	0.059	0.039	0.015	0.021	0.026	0.060	0.045	0.150	0.112	0.166	0.078	0.078	0.078	0.078	0.039	0.039	0.039		
Top side	0.082	0.006	0.077	0.230	0.026	0.060	0.045	0.150	0.112	0.082	0.104	0.094	0.160	0.219	0.241	0.231	0.297		
Bottom side	0.003	0.255	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.483	0.210	0.210	0.210	0.210	0.048	0.048	0.048		

### **<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	6	7	8	9	10	11	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+6+8+11 Summation	1+4+5+6+9+11 Summation	1+2+5+6+7+11 Summation	1+2+5+6+8+11 Summation	1+2+5+6+9+11 Summation	1+2+5+6+10+11 Summation	1	2	3	4	5	6	7	8	9	10	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+4+5+6+7+11 Summation	1+4+5+6+8+11 Summation	1+4+5+6+9+11 Summation	1+2+5+6+7+11 Summation	1+2+5+6+8+11 Summation	1+2+5+6+9+11 Summation	1+2+5+6+7+11 Summation				
			WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	1g SAR (W/kg)	1g SAR (W/kg)	4cm²(W/m²)	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)								
			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)	Estimated 1g SAR (W/kg)	Estimated 1g SAR (W/kg)	Estimated 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)	4cm²(W/m²)	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)								
CDMA	CDMA2000 BC0	Front	0.943	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.947	0.880	0.901	0.906	0.973	0.906	0.927	0.932	0.950	0.882	0.903	0.908																						
		Back	0.549	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	1.079	1.019	1.044	0.985	1.185	1.125	1.150	1.091	1.074	1.014	1.039	0.980	0.158	0.000	0.043	0.001	0.003	0.003	0.007	0.228	0.410	0.019	0.377	0.515	0.629	0.355	0.493	0.606	0.362	0.354	0.492	0.606		
	CDMA2000 BC1	Front	0.874	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.904	0.837	0.858	0.863	0.930	0.863	0.884	0.889	0.907	0.839	0.860	0.865																						
		Back	0.353	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	0.956	0.896	0.921	0.862	1.063	1.003	1.028	0.968	0.951	0.891	0.916	0.857	0.129		0.001	0.003	0.003	0.007	0.228	0.410				0.336	0.475	0.588								
LTE	LTE Band 7	Front	0.970	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.964	0.897	0.918	0.923	0.990	0.923	0.944	0.949	0.967	0.899	0.920	0.925																						
		Back	0.407	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	0.990	0.930	0.955	0.896	1.096	1.036	1.061	1.002	0.985	0.925	0.950	0.891	0.120		0.001	0.003	0.003	0.007	0.228	0.410	0.019			0.331	0.469	0.583	0.338							
	LTE Band 12	Front	1.003	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.985	0.917	0.938	0.943	1.011	0.943	0.965	0.970	0.987	0.920	0.941	0.946	0.088		0.000	0.000	0.000	0.030							0.085		0.067	0.085						
		Back	0.553	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	1.081	1.021	1.046	0.987	1.188	1.128	1.153	1.093	1.076	1.016	1.041	0.982	0.094	0.000	0.043	0.001	0.003	0.007	0.228	0.410	0.019	0.337	0.475	0.589	0.315	0.453	0.566	0.322	0.314	0.452	0.566			
	LTE Band 13	Front	0.788	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.850	0.783	0.804	0.809	0.877	0.809	0.830	0.835	0.853	0.785	0.807	0.812																						
		Back	0.419	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	0.998	0.938	0.963	0.903	1.104	1.044	1.069	1.010	0.993	0.933	0.958	0.898	0.095		0.001	0.003	0.003	0.007	0.228	0.410	0.019			0.315	0.453	0.567	0.323							
	LTE Band 25	Front	1.058	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	1.019	0.952	0.973	0.978	0.999	1.004	1.022	0.954	0.975	0.980	0.300	0.000	0.121	0.000	0.000	0.030				0.293			0.218											
		Back	0.538	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	1.072	1.012	1.037	0.978	1.178	1.118	1.143	1.084	1.067	1.007	1.032	0.973	0.156		0.001	0.003	0.003	0.007	0.228	0.410				0.353	0.491	0.605								
	LTE Band 26	Front	0.913	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.928	0.861	0.882	0.887	0.955	0.887	0.908	0.913	0.931	0.863	0.885	0.890																						
		Back	0.624	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	1.126	1.066	1.091	1.031	1.232	1.172	1.197	1.138	1.121	1.061	1.086	1.026	0.149	0.000	0.043	0.001	0.003	0.007	0.228	0.410	0.019	0.371	0.510	0.623	0.349	0.487	0.601	0.356	0.348	0.486	0.600			
	LTE Band 66	Front	0.797	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.856	0.788	0.810	0.815	0.882	0.815	0.836	0.841	0.858	0.791	0.812	0.817																						
		Back	0.427	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	1.003	0.943	0.968	0.908	1.109	1.049	1.074	1.015	0.998	0.938	0.963	0.903	0.173		0.001	0.003	0.003	0.007	0.228	0.410	0.019			0.364	0.502	0.616	0.371							

## <Phone WWAN Tx Off>

Body-Worn	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
	1	2	3	4	5	6	7	8	9		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+5+6+10 Summation	3+4+5+7+10 Summation	3+4+5+8+10 Summation	3+4+5+9+10 Summation	1+4+5+6+10 Summation	1+4+5+7+10 Summation	1+4+5+8+10 Summation	1+4+5+9+10 Summation
Exposure Position	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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 <sup>2</sup> (W/m <sup>2</sup> )												
	Front	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.115	0.358	0.290	0.312	0.317	0.384	0.317	0.338	0.343	0.360	0.293	0.314
Back	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	2.470	0.736	0.676	0.701	0.641	0.842	0.782	0.807	0.748	0.731	0.671	0.696	0.636



## **6. Analysis for mmWave n261 antenna module 1**

### **<For Head Exposure condition>**

## <Phone WWAN Tx On>

## <Phone WWAN Tx Off>

Head	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation		Reported SAR/1.6 + PD/10 Summation					
Exposure Position	1	2	3	4	5	6	7	8	9	10	1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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 <sup>2</sup> (W/m <sup>2</sup> )								
Right Cheek	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.259	0.462	0.390	0.371	0.376	0.890	0.818	0.799	0.804
Right Tilted	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.259	0.345	0.294	0.290	0.281	0.943	0.892	0.888	0.879
Left Cheek	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.259	0.521	0.532	0.526	0.501	0.738	0.749	0.743	0.718
Left Tilted	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.259	0.391	0.410	0.399	0.391	0.794	0.813	0.802	0.794



# **RF EXPOSURE EVALUATION REPORT**

Report No.: FA890514-05B

### **<For Hotspot Exposure condition>**

## <Phone WWAN Tx On>



## RF EXPOSURE EVALUATION REPORT

Report No.: FA890514-05B

### <Phone WWAN Tx Off>

Hotspot	Reported SAR						Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation																							
	1		2		3		4		5			6		7		8		9		10		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation						
	2.4GHz WLAN Ant 1		2.4GHz WLAN Ant 2		5GHz WLAN Ant 1		5GHz WLAN Ant 2		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)	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)	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)	1+2+3+7+1 Summation	1+2+3+8+1 Summation	1+2+3+9+1 Summation	1+2+3+10+1 Summation	1+4+5+6+7+1 Summation	1+4+5+6+8+1 Summation	1+4+5+6+9+1 Summation	1+2+5+6+7+1 Summation	1+2+5+6+8+1 Summation	1+2+5+6+9+1 Summation	1+2+5+6+10+1 Summation	1+2+3+7+1 Summation	1+4+5+6+7+1 Summation	1+4+5+6+9+1 Summation	1+4+5+6+10+1 Summation	1+2+5+6+7+1 Summation	
Front	0.108	0.243	0.140	0.221						0.203	0.095	0.129	0.137	0.259	0.372	0.305	0.326	0.331	0.378	0.311	0.332	0.337													
Back	0.048	0.140	0.222	0.129						0.594	0.498	0.538	0.443	0.501	0.538	0.443	0.472	0.555	0.602	0.542	0.567	0.507	0.704	0.644	0.669	0.609									
Left side	0.018	0.084	0.006	0.060						0.501	0.282	0.595	0.472						2.480	0.382	0.246	0.441	0.364	0.360	0.223	0.419	0.342								
Right side	0.059	0.039	0.015	0.021															2.480	0.309	0.309	0.309	0.271	0.271	0.271	0.271	0.271								
Top side	0.082	0.006	0.077	0.230						0.026	0.060	0.045	0.150	0.522	0.123	0.145	0.135	0.135	0.161	0.161	0.161	0.161	0.201	0.201	0.260	0.282	0.272	0.272	0.338						
Bottom side	0.003	0.255																	0.161	0.161	0.161	0.161	0.000	0.000	0.000	0.000	0.000	0.000	0.000						

### <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	6	7	8	9	10		1+2+3+7+1 Summation	1+2+3+8+1 Summation	1+2+3+9+1 Summation	1+2+3+10+1 Summation	1+4+5+6+7+1 Summation	1+4+5+6+8+1 Summation	1+4+5+6+9+1 Summation	1+2+5+6+7+1 Summation	1+2+5+6+8+1 Summation	1+2+5+6+9+1 Summation	1+2+5+6+10+1 Summation	1	2	3	4	5	6	7	8	9	10	1+2+3+7+1 Summation	1+4+5+6+7+1 Summation	1+4+5+6+9+1 Summation	1+4+5+6+10+1 Summation
		WWA N	2.4GH z WLAN Ant 1	2.4GH z WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	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	0.943	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.259	0.962	0.894	0.915	0.920	0.988	0.920	0.942	0.964	0.897	0.918	0.923															
Back	0.549	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	1.130	0.945	0.885	0.910	0.851	1.051	0.991	1.016	0.957	0.940	0.880	0.905	0.846	0.130		0.000	0.000	0.000	0.000	0.364			0.194	0.422			
Front	0.874	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.259	0.918	0.851	0.872	0.877	0.945	0.877	0.898	0.903	0.921	0.853	0.875	0.880														
Back	0.353	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	1.130	0.822	0.762	0.787	0.728	0.929	0.869	0.894	0.834	0.817	0.757	0.782	0.723														
Front	0.970	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.259	0.978	0.911	0.932	0.937	1.005	0.937	0.958	0.963	0.																	



## **7. Analysis for mmWave n261 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	6	7	8	9	10	11	PD	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	1	2	3	4	5	6	7	8	9	10	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	1+2+3+7+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation
			WWAN	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)	1g SAR (W/kg)	4cm^2(W/m^2)																																			
			1g SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm^2(W/m^2)																																							
CDMA	CDMA2000 BC0	Front	0.970	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.966	0.899	0.920	0.925	0.972	0.905	0.926	0.931																										
		Back	0.579	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	1.290	0.980	0.920	0.945	0.885	1.082	1.022	1.047	0.987	0.000			0.035	0.120		0.000	0.133	0.107			0.226	0.309	0.293												
		Left side	0.290	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.155	0.574	0.437	0.632	0.556	0.551	0.414	0.610	0.533																										
		Right side	0.550	0.059	0.039	0.015	0.021						1.490	0.554	0.554	0.554	0.515	0.515	0.515	0.515																											
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.483	0.504	0.495	0.561																											
	CDMA2000 BC1	Bottom side	0.383	0.003	0.255								0.401	0.401	0.401	0.401	0.239	0.239	0.239	0.239																											
LTE	LTE Band 7	Front	0.970	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.966	0.899	0.920	0.925	0.972	0.905	0.926	0.931																										
		Back	0.407	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	1.290	0.872	0.812	0.837	0.778	0.974	0.914	0.939	0.880																										
		Left side	0.063	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.155	0.432	0.295	0.491	0.414	0.409	0.272	0.468	0.391																										
		Right side	0.311	0.059	0.039	0.015	0.021						1.490	0.405	0.405	0.405	0.366	0.366	0.366	0.366																											
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.483	0.504	0.495	0.561																											
	LTE Band 12	Bottom side	0.893	0.003	0.255								0.719	0.719	0.719	0.719	0.558	0.558	0.558	0.558																											
		Front	1.003	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.987	0.919	0.941	0.946	0.993	0.926	0.947	0.952																										
		Back	0.553	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	1.290	0.963	0.903	0.928	0.869	1.065	1.005	1.030	0.971	0.000			0.035	0.120		0.000	0.133	0.107		0.226	0.293														
		Left side	0.165	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.155	0.496	0.359	0.554	0.477	0.473	0.336	0.532	0.455																										
		Right side	0.638	0.059	0.039	0.015	0.021						1.490	0.609	0.609	0.609	0.570	0.570	0.570	0.570																											
	LTE Band 13	Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.483	0.504	0.495	0.561																											
		Bottom side	0.460	0.003	0.255								0.449	0.449	0.449	0.449	0.288	0.288	0.288	0.288																											
		Front	0.788	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.852	0.785	0.806	0.811	0.859	0.791	0.812	0.817																										
		Back	0.419	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	1.290	0.880	0.820	0.845	0.785	0.982	0.922	0.947	0.887																										
		Left side	0.412	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.155	0.650	0.513	0.709	0.632	0.627	0.491	0.686	0.609																										
	LTE Band 25	Right side	0.739	0.059	0.039	0.015	0.021						1.490	0.672	0.672	0.672	0.633	0.633	0.633	0.633																											
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.483	0.504	0.495	0.561																											
		Bottom side	1.175	0.003	0.255								0.896	0.896	0.896	0.896	0.734	0.734	0.734	0.734																											
		Front	0.913	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.931	0.863	0.884	0.889	0.937	0.869	0.891	0.896																										
		Back	0.624	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	1.290	0.867	0.807	0.832	0.772	0.968	0.908	0.933	0.874																										
	LTE Band 26	Left side	0.258	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.155	0.554	0.417	0.612	0.536	0.531	0.394	0.590	0.513																										
		Right side	0.636	0.059	0.039	0.015	0.021						1.490	0.608	0.608	0.608	0.569	0.569	0.569	0.569																											
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.483	0.504	0.495	0.561																											
		Bottom side	0.274	0.003	0.255								0.333	0.333	0.333	0.333	0.171	0.171	0.171	0.171																											
		Front	0.797	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.858	0.791	0.812	0.817	0.864	0.797	0.818	0.823																										



# **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

Hotspot	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation							
	1	2	3	4	5	6	7	8	9		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)									
Exposure Position	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)	1g SAR (W/kg)	4cm²(W/m²)									
Front	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.137	0.360	0.292	0.314	0.319	0.366	0.299	0.320	0.325
Back	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	1.290	0.618	0.558	0.583	0.523	0.720	0.660	0.685	0.625
Left side	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.155	0.392	0.256	0.451	0.374	0.370	0.233	0.429	0.352
Right side	0.059	0.039	0.015	0.021						1.490	0.210	0.210	0.210	0.210	0.172	0.172	0.172	0.172
Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	2.750	0.346	0.368	0.358	0.424	0.483	0.504	0.495	0.561
Bottom side	0.003	0.255									0.161	0.161	0.161	0.161	0.000	0.000	0.000	0.000

### **<For Body-worn Exposure condition>**

## <Phone WWAN Tx On>

## **<Phone WWAN Tx Off>**

Body-Worn	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
	1	2	3	4	5	6	7	8	9		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+5+6+10 Summation	3+4+5+7+10 Summation	3+4+5+8+10 Summation	3+4+5+9+10 Summation	1+4+5+6+10 Summation	1+4+5+7+10 Summation	1+4+5+8+10 Summation	1+4+5+9+10 Summation
Exposure Position	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD												
	Tg SAR (W/kg)	Tg SAR (W/kg)	Tg SAR (W/kg)	Tg SAR (W/kg)	Estimated 1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	4cm²2(W/m²2)													
	Front	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.137	0.360	0.292	0.314	0.319	0.386	0.319	0.340	0.345	0.362	0.295	0.316
Back	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	1.290	0.618	0.558	0.583	0.523	0.724	0.664	0.689	0.630	0.613	0.553	0.578	0.518



## 8. Analysis for mmWave n261 antenna module 3

&lt;For Head Exposure condition&gt;

&lt;Phone WWAN Tx On&gt;

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	6	7	8	9	10	11	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	1	2	3	4	5	6	7	8	9	10	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation				
		WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	1g SAR (W/kg)	4cm^2(W/m^2)	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)
		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)	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)	4cm^2(W/m^2)	WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)
CDMA	CDMA2000 BC0	Right Cheek	0.230	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.385	0.619	0.546	0.527	0.532	0.1047	0.974	0.955	0.960	0.010			0.032	0.396		0.239					0.462					
		Right Tilted	0.145	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.385	0.448	0.397	0.393	0.384	0.1046	0.995	0.991	0.982	0.060			0.029	0.409		0.278					0.524					
		Left Cheek	0.190	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.385	0.652	0.664	0.657	0.632	0.869	0.880	0.874	0.849																	
		Left Tilted	0.123	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.385	0.480	0.499	0.489	0.480	0.884	0.902	0.892	0.884																	
	CDMA2000 BC1	Right Cheek	0.275	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.385	0.647	0.574	0.555	0.560	0.1075	1.002	0.984	0.989	0.013			0.032	0.396		0.239	0.074				0.464	0.360				
		Right Tilted	0.171	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.385	0.464	0.414	0.409	0.400	0.1062	1.012	1.007	0.999	0.028			0.029	0.409		0.278	0.078	0.075		0.504	0.379	0.377				
		Left Cheek	0.380	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.385	0.771	0.782	0.776	0.751	0.988	0.999	0.993	0.968																	
		Left Tilted	0.145	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.385	0.494	0.513	0.502	0.494	0.897	0.916	0.905	0.897																	
LTE	LTE Band 7	Right Cheek	0.353	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.385	0.695	0.623	0.604	0.609	1.124	1.051	1.032	1.037	0.005			0.032	0.396		0.239	0.074	0.095	0.062	0.458	0.355	0.368	0.348			
		Right Tilted	0.114	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.385	0.429	0.378	0.374	0.365	1.027	0.976	0.972	0.963	0.004			0.029	0.409		0.278				0.489						
		Left Cheek	0.153	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.385	0.629	0.640	0.634	0.609	0.846	0.857	0.851	0.826																	
		Left Tilted	0.112	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.385	0.474	0.492	0.482	0.474	0.877	0.895	0.885	0.877																	
	LTE Band 12	Right Cheek	0.309	0.341	0.051	0.353	0.724		0.306	0.190	0.160	0.168	0.385	0.668	0.595	0.577	0.582	1.096	1.024	1.005	1.010	0.016			0.032	0.396		0.239	0.074	0.095	0.062	0.465	0.362	0.375	0.355			
		Right Tilted	0.055	0.299	0.022	0.405	0.873		0.189	0.108	0.101	0.087	0.385	0.392	0.341	0.337	0.328	0.990	0.939	0.935	0.926																	
		Left Cheek	0.223	0.636	0.052	0.605	0.430		0.104	0.122	0.112	0.072	0.385	0.673	0.684	0.678	0.653	0.890	0.901	0.895	0.870																	
		Left Tilted	0.069	0.504	0.023	0.661	0.511		0.057	0.087	0.070	0.057	0.385	0.447	0.465	0.455	0.447	0.850	0.869	0.85																		



# RF EXPOSURE EVALUATION REPORT

Report No.: FA890514-05B

<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	6	7	8	9	10	11	1+2+3+7+11 Summation	1+2+3+8+11 Summation	1+2+3+9+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+8+11 Summation	1+4+5+9+11 Summation	1+4+5+10+11 Summation	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	1+2+3+7+11 Summation	1+2+3+10+11 Summation	1+4+5+7+11 Summation	1+4+5+10+11 Summation
		WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	Bluetooth Ant 1	LTE B2 (MOD)	LTE B5 (MOD)	LTE B13(MOD)	LTE B66(MOD)	PD								WWAN	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)					
		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)	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)	1g SAR (W/kg)	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	0.970	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.385	0.991	0.924	0.945	0.950	0.997	0.930	0.951	0.956																							
		Back	0.579	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	0.916	0.942	0.882	0.907	0.848	1.044	0.984	1.009	0.950	0.000		0.010	0.009		0.004		0.396					0.106	0.351									
		Left side	0.290	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.896	0.648	0.511	0.706	0.630	0.625	0.488	0.684	0.607																							
		Right side	0.550	0.059	0.039	0.015	0.021																																					
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.613	0.634	0.625	0.691																								
	CDMA2000 BC1	Bottom side	0.383	0.003	0.255								0.401	0.401	0.401	0.401	0.239	0.239	0.239	0.239																								
		Front	0.869	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.385	0.928	0.860	0.882	0.887	0.934	0.867	0.888	0.893																							
LTE	LTE Band 7	Back	0.371	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	0.916	0.812	0.752	0.777	0.718	0.914	0.854	0.879	0.820																							
		Left side	0.314	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.896	0.663	0.526	0.721	0.645	0.640	0.503	0.699	0.622																							
		Right side	0.195	0.059	0.039	0.015	0.021																																					
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.613	0.634	0.625	0.691																								
		Bottom side	0.893	0.003	0.255								0.719	0.719	0.719	0.719	0.558	0.558	0.558	0.558																								
	LTE Band 12	Front	1.003	0.108	0.243	0.140	0.221		0.203	0.095	0.129	0.137	0.385	1.012	0.944	0.965	0.970	1.018	0.950	0.972	0.977	0.003	0.076	0.000	0.031	0.239	0.073		0.134		0.255													
		Back	0.553	0.048	0.140	0.222	0.129		0.594	0.498	0.538	0.443	0.916	0.926	0.866	0.891	0.832	1.028	0.968	0.993	0.933	0.000		0.010	0.009		0.004				0.106													
LTE	LTE Band 13	Left side	0.165	0.018	0.084	0.006	0.060		0.501	0.282	0.595	0.472	0.896	0.570	0.433	0.628	0.551	0.547	0.410	0.606	0.529																							
		Right side	0.638	0.059	0.039	0.015	0.021																																					
		Top side	0.082	0.006	0.077	0.230		0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.613	0.634	0.625	0.691																								



# **RF EXPOSURE EVALUATION REPORT**

**Report No.: FA890514-05B**

## <Phone WWAN Tx Off>

Hotspot	Reported SAR					Report SAR (Mod)					Power Density	Reported SAR/1.6 + PD/10 Summation							
	1	2	3	4	5	6	7	8	9	10		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+6+10 Summation	3+4+7+10 Summation	3+4+8+10 Summation	3+4+9+10 Summation
	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)	4cm^2(W/m^2)										
	Front	0.108	0.243	0.140	0.221	0.203	0.095	0.129	0.137	0.385	0.385	0.317	0.339	0.344	0.391	0.324	0.345	0.350	
	Back	0.048	0.140	0.222	0.129	0.594	0.498	0.538	0.443	0.916	0.580	0.520	0.545	0.486	0.682	0.622	0.647	0.588	
Left side	0.018	0.084	0.006	0.060	0.501	0.282	0.595	0.472	0.896	0.466	0.330	0.525	0.448	0.444	0.307	0.503	0.426		
Right side	0.059	0.039	0.015	0.021	0.501	0.282	0.595	0.472	0.896	0.466	0.330	0.525	0.448	0.444	0.307	0.503	0.426		
Top side	0.082	0.006	0.077	0.230	0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.613	0.634	0.625	0.691		
Bottom side	0.003	0.255	0.006	0.006	0.026	0.060	0.045	0.150	4.050	0.476	0.498	0.488	0.554	0.613	0.634	0.625	0.691		

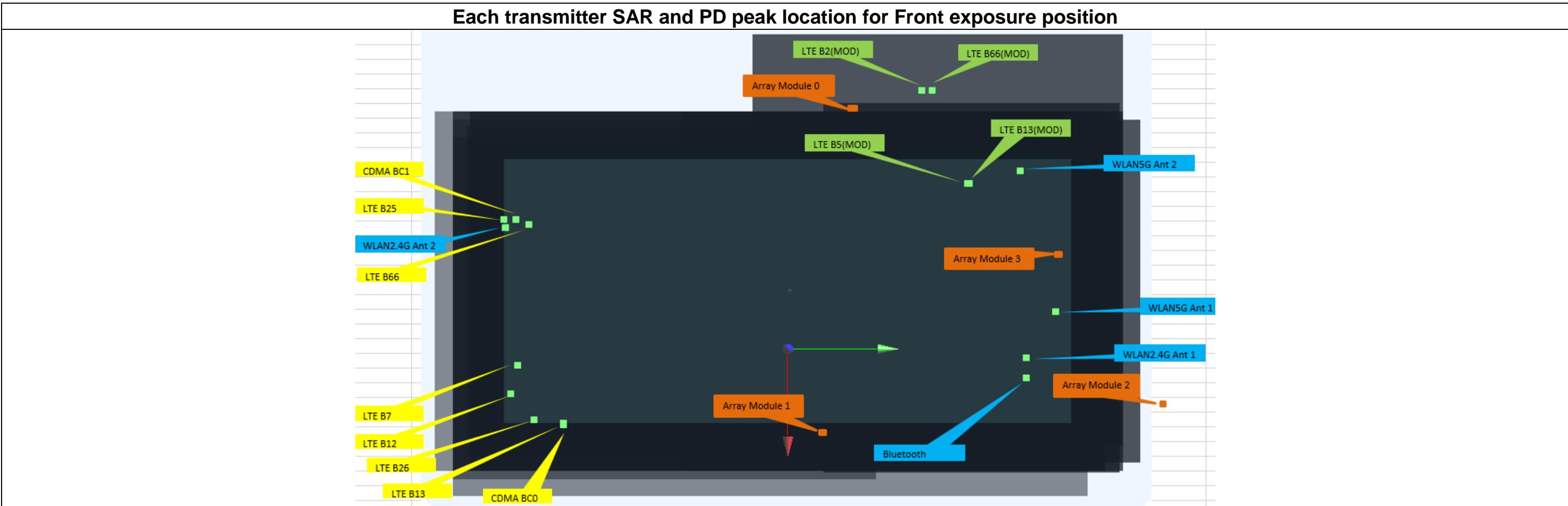
### **<For Body-worn Exposure condition>**

### **<Phone WWAN Tx On>**

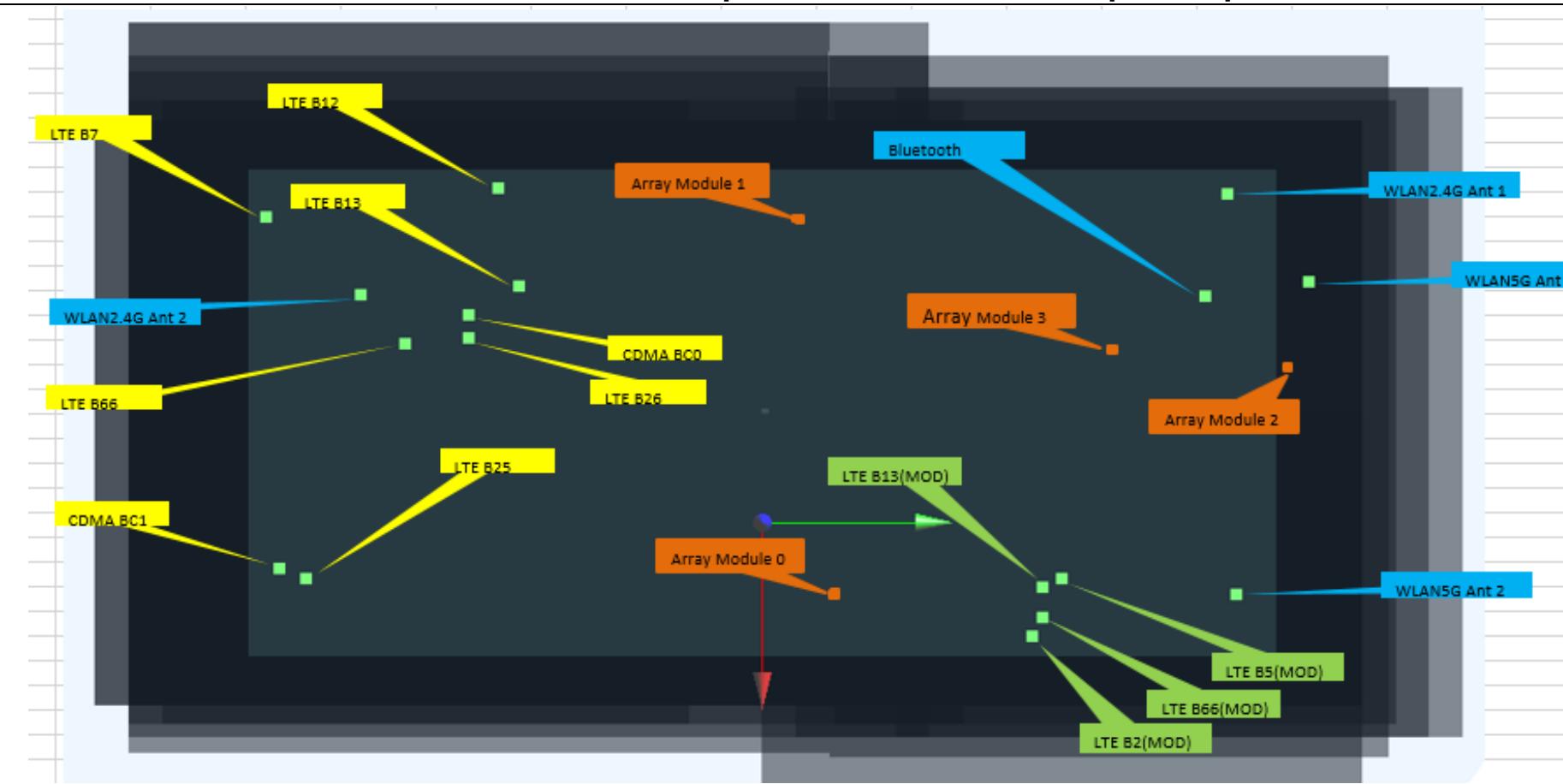
## <Phone WWAN Tx Off>

Body-Worn	Reported SAR					Report SAR (Mod)				Power Density	Reported SAR/1.6 + PD/10 Summation											
	1	2	3	4	5	6	7	8	9		1+2+6+10 Summation	1+2+7+10 Summation	1+2+8+10 Summation	1+2+9+10 Summation	3+4+5+6+10 Summation	3+4+5+7+10 Summation	3+4+5+8+10 Summation	3+4+5+9+10 Summation	1+4+5+6+10 Summation	1+4+5+7+10 Summation	1+4+5+8+10 Summation	1+4+5+9+10 Summation
Exposure Position	2.4GHz WLAN Ant 1	2.4GHz WLAN Ant 2	5GHz WLAN Ant 1	5GHz WLAN Ant 2	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)	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)	4cm²(W/m²)												
	Front	0.108	0.243	0.146	0.221	0.026	0.203	0.095	0.129	0.137	0.385	0.385	0.317	0.339	0.344	0.411	0.344	0.365	0.370	0.387	0.320	0.341
Back	0.048	0.140	0.226	0.129	0.003	0.594	0.498	0.538	0.443	0.916	0.580	0.520	0.545	0.486	0.687	0.627	0.652	0.592	0.575	0.515	0.540	0.481

## &lt;SAR and PD peak location of mmWave n261&gt;

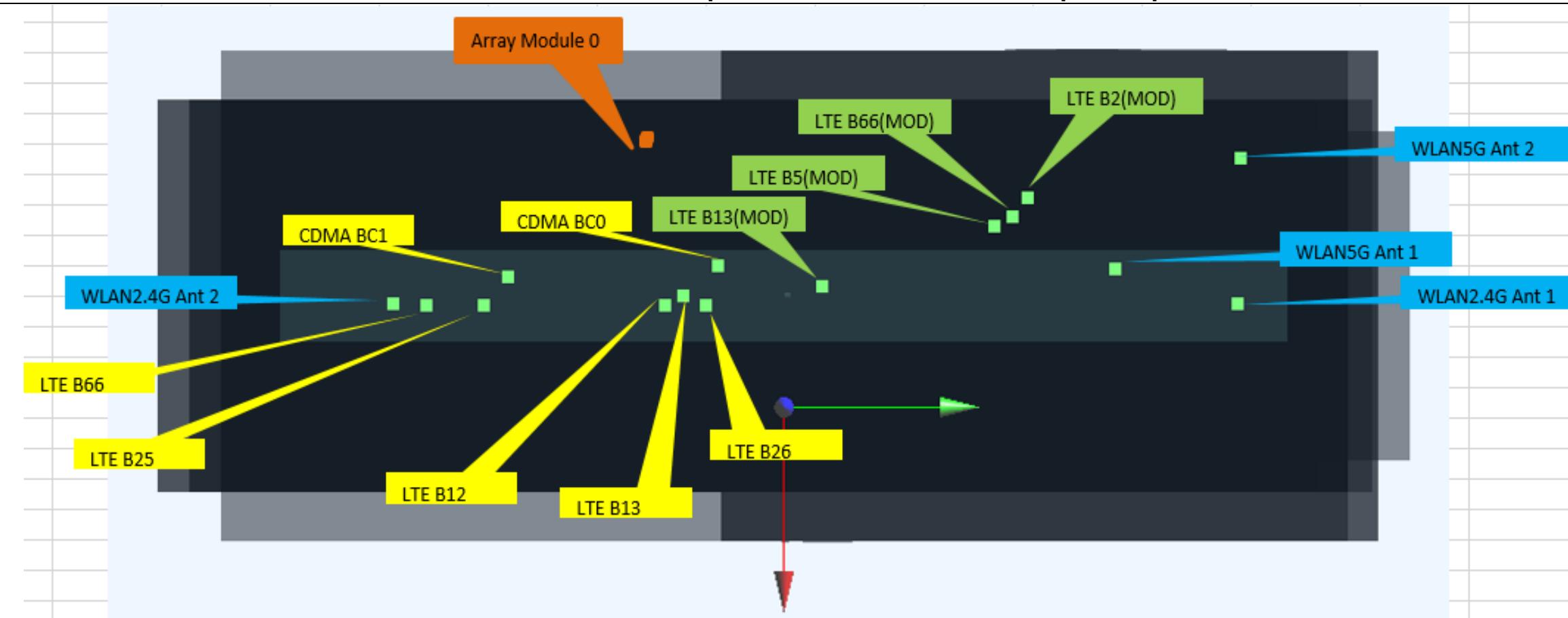


## Each transmitter SAR and PD peak location for Back exposure position



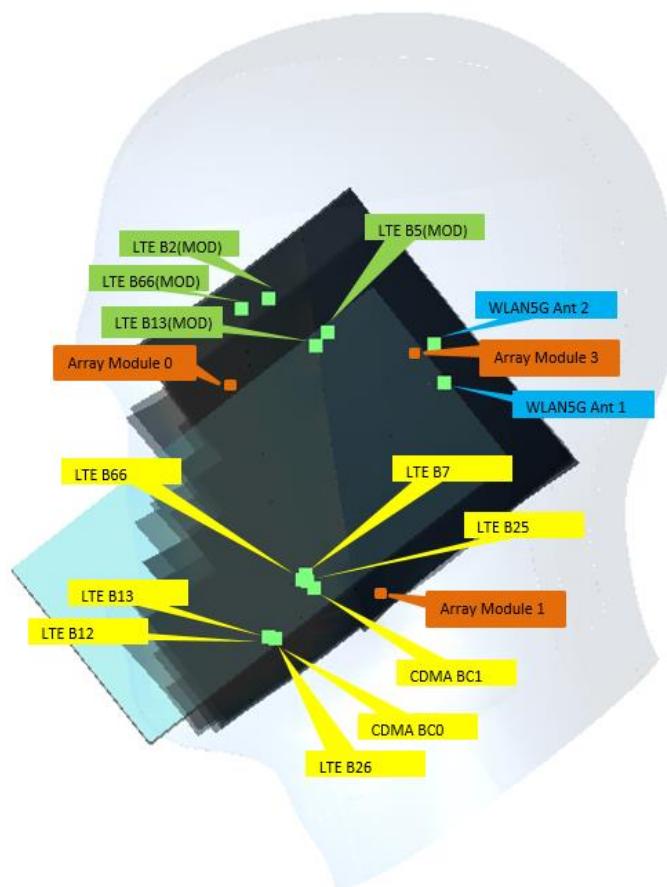


## Each transmitter SAR and PD peak location for Left Side exposure position



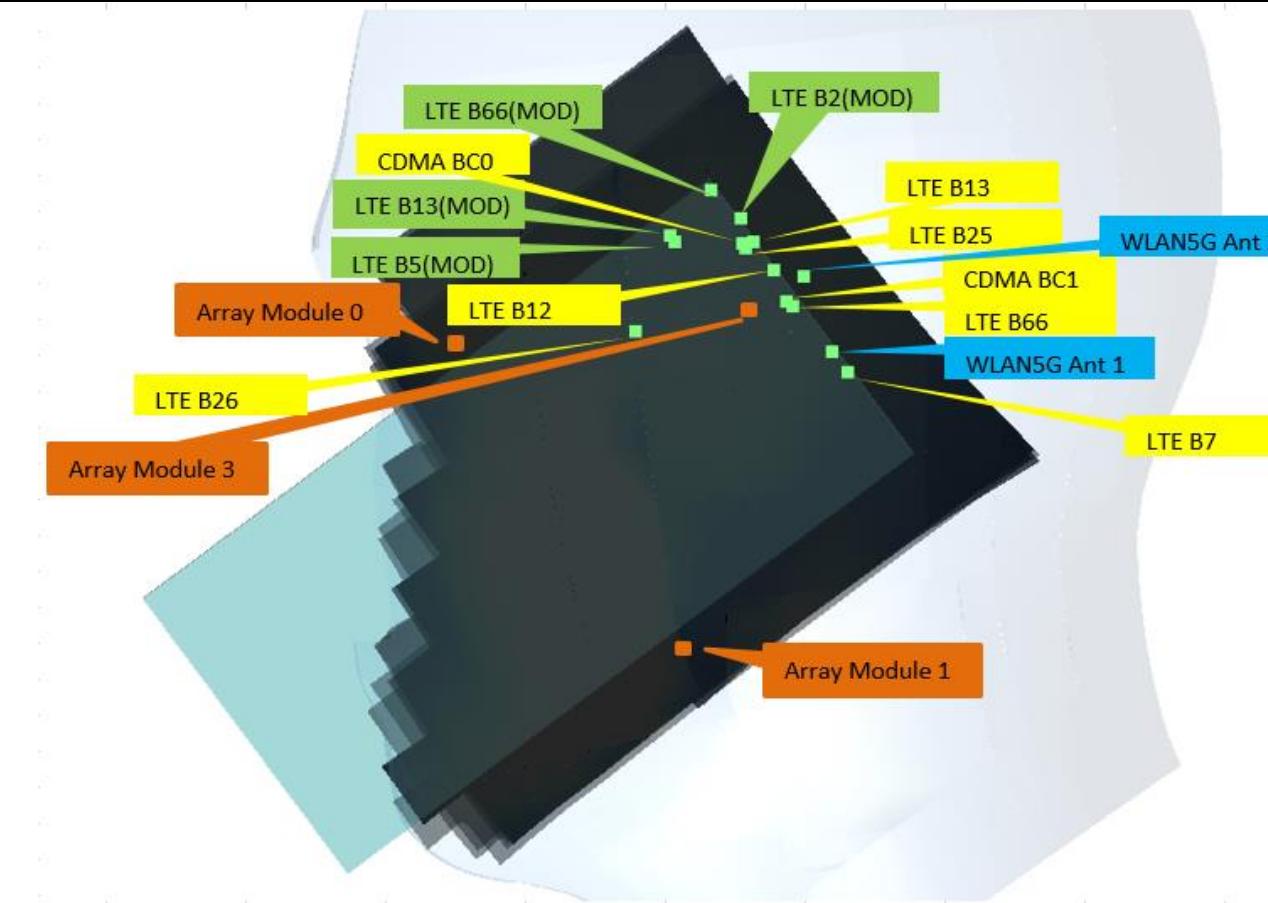


## Each transmitter SAR and PD peak location for Right Cheek exposure position



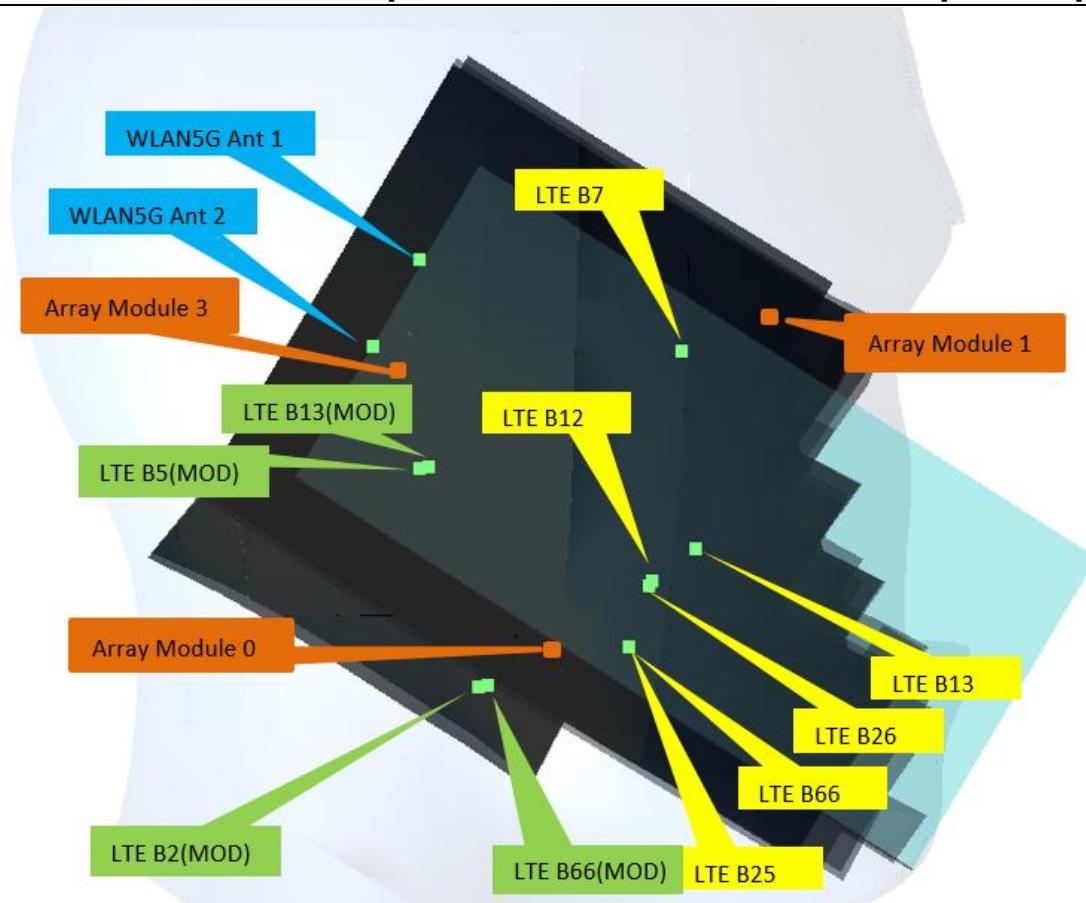


## Each transmitter SAR and PD peak location for Right Tilted exposure position





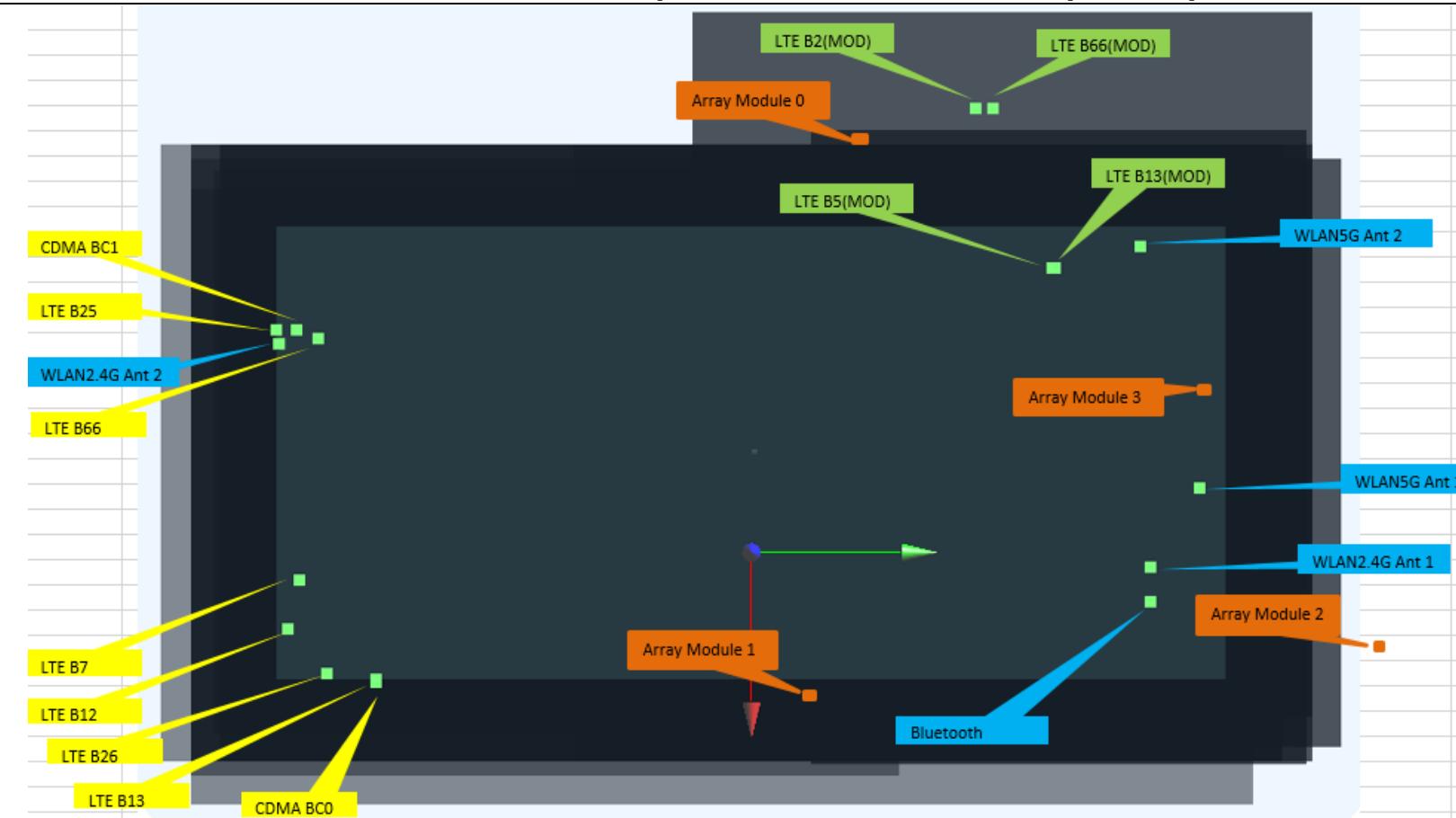
## Each transmitter SAR and PD peak location for Left Cheek exposure position



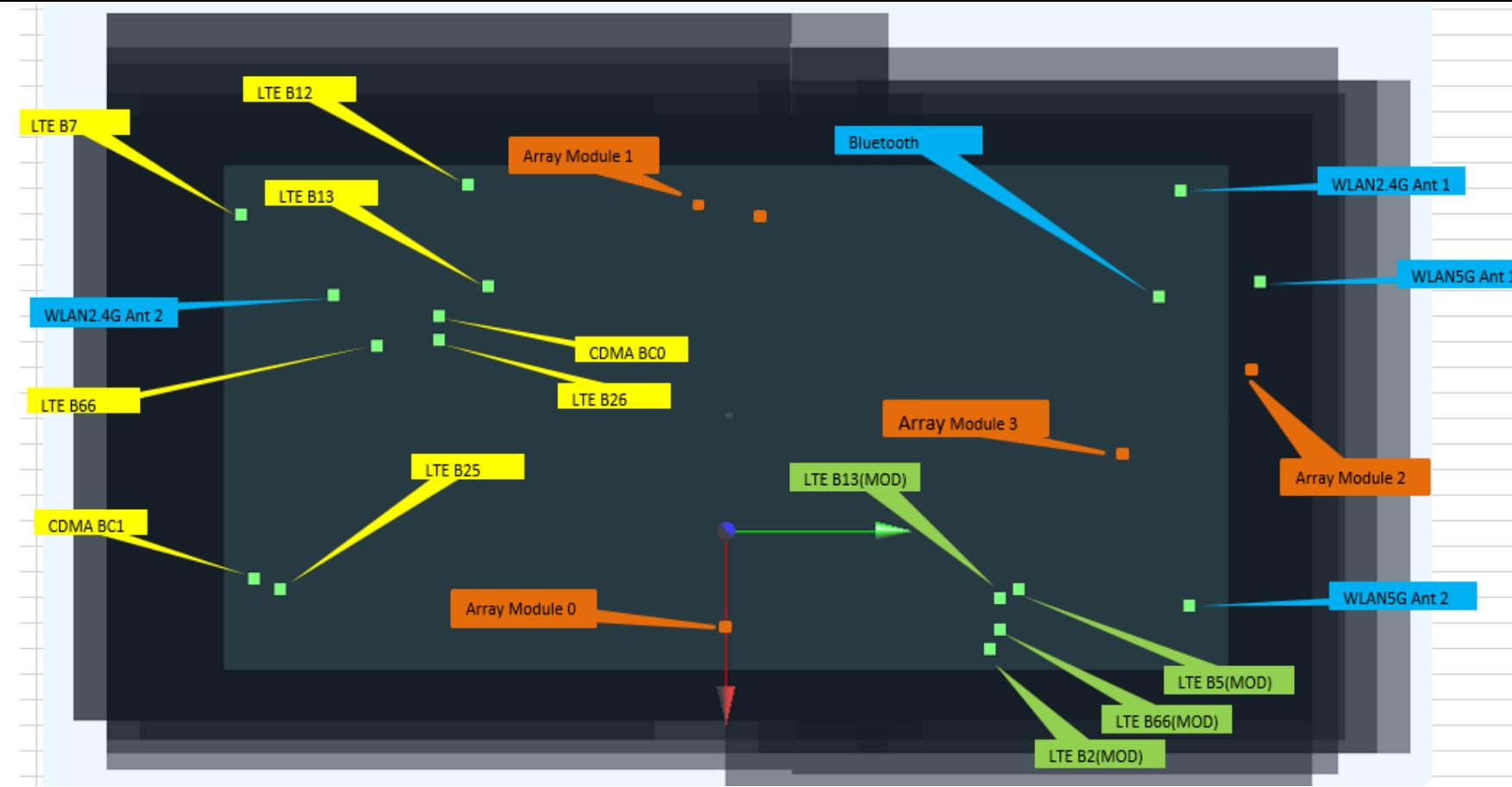


## &lt;SAR and PD peak location of mmWave n260&gt;

## Each transmitter SAR and PD peak location for Front exposure position

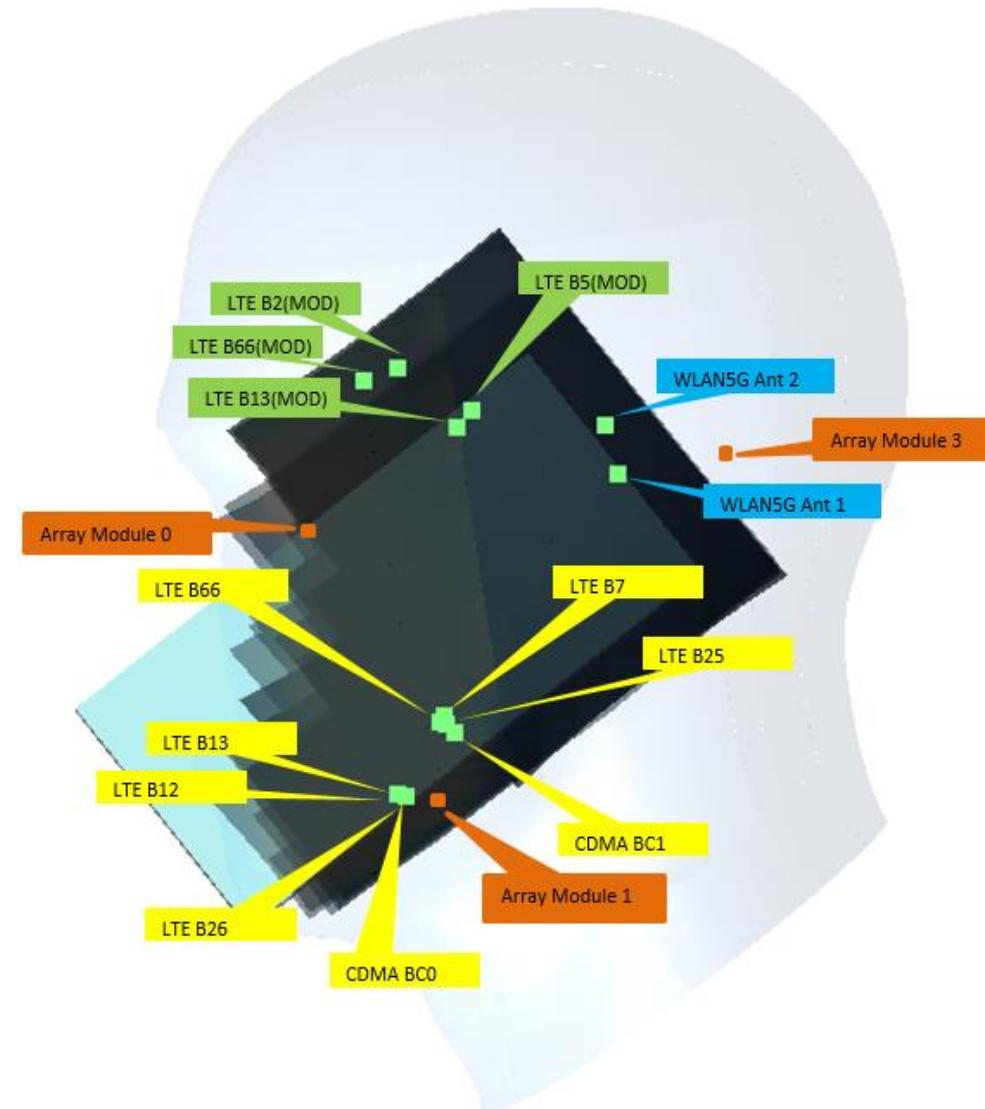


## Each transmitter SAR and PD peak location for Back exposure position



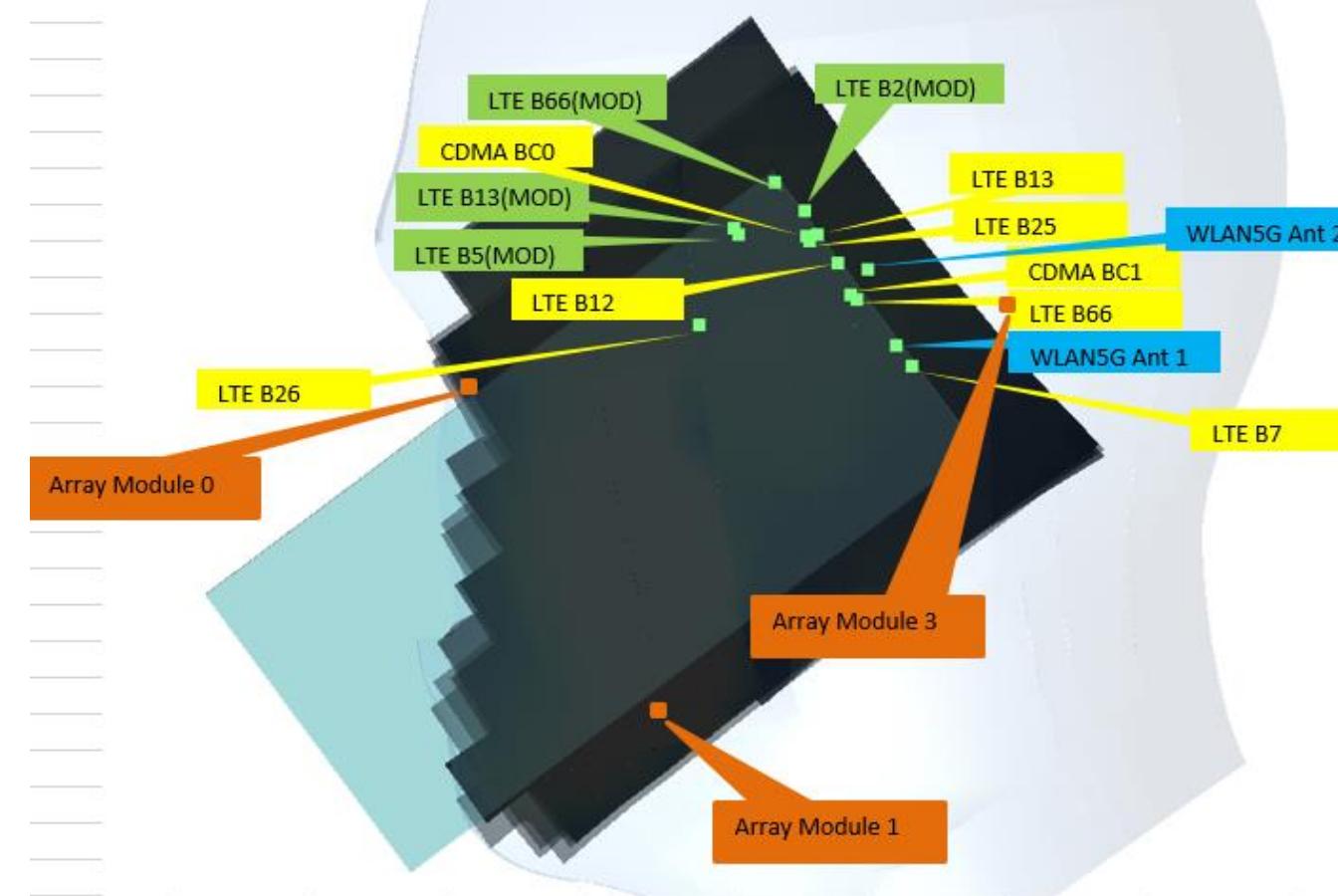


## Each transmitter SAR and PD peak location for Right Cheek exposure position





## Each transmitter SAR and PD peak location for Right Tilted exposure position





## Each transmitter SAR and PD peak location for Left Cheek exposure position

