<Bluetooth SAR>

Plot No.	Band	Mode	Test Position	Gap (mm)	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	Bluetooth	1Mbps	Front	5	Full	39	2441	11.50	12.00	1.122	76.69	1.086	0.03	0.048	0.059
	Bluetooth	1Mbps	Back	5	Full	39	2441	11.50	12.00	1.122	76.69	1.086	-0.01	0.064	0.078
	Bluetooth	1Mbps	Back	5	Full	0	2402	11.10	12.00	1.230	76.69	1.086	-0.01	0.068	0.090
68	Bluetooth	1Mbps	Back	5	Full	78	2480	9.80	12.00	1.660	76.69	1.086	-0.03	0.052	**0.094**

15.4 TDD LTE Band 41(HPUE) Linearity Data Analysis

LTE Band 41(HPUE)-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	26.00
Reported 1g SAR (W/kg)	0.252	0.276
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	172.38
Linearity SAR (W/kg)	0.273	
% deviation from expected linearity		1.02%

LTE Band 41(HPUE)-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	22.00
Reported 1g SAR (W/kg)	1.390	0.918
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	68.63
Linearity SAR (W/kg)	0.951	
% deviation from expected linearity		-3.45%

LTE Band 41(HPUE)-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	22.00	22.00
Reported 1g SAR (W/kg)	1.390	0.918
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	100.32	68.63
Linearity SAR (W/kg)	0.951	
% deviation from expected linearity		-3.45%

General Note:

1. The device can adjust uplink/downlink configuration automatically according to the transmitting power class level for LTE band 41.
2. According to TCB Workshop May 2017, Rel. 14 has introduced HPUE Power Class 2 for Band 41. HPUE Power Class 2 does not support uplink downlink configurations 0 and 6.
3. Power class 3 is expected to be the dominant use configuration; therefore, SAR should be tested as normally required.
4. Power class 2 is tested using the highest SAR test configuration in power class 3 of each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in power class 2.
5. Separate SAR testing for Power Class 2 is not required when
   – the reported SAR vs. output power can be linearly scaled with < 10%
   – discrepancy between power classes and all *reported* 1g SAR are < 1.4 W/kg (The same procedures should be adapted for measurements according to extremity limits by applying a factor of 2.5 for extremity exposure.)

15.5 Repeated SAR Measurement

No.	Band	Mode	BW (MHz)	Modulation	RB Size	RB Offset	Test Position	Gap (mm)	Headset	Power Mode	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	CDMA2000 BC1	RTAP 153.6Kbps	-	-	-	-	Bottom Side	5	-	Hotspot On	600	1880	18.46	18.50	1.009	-	-	-0.17	1.370	1	1.383
2nd	CDMA2000 BC1	RTAP 153.6Kbps	-	-	-	-	Bottom Side	5	-	Hotspot On	600	1880	18.46	18.50	1.009	-	-	-0.01	1.350	1.015	1.362
1st	LTE Band 66	-	20M	QPSK	1	99	Bottom Side	5	-	Hotspot On / P-Sensor On	132572	1770	18.41	18.50	1.021	-	-	-0.07	1.360	1	1.388
2nd	LTE Band 66	-	20M	QPSK	1	99	Bottom Side	5	-	Hotspot On / P-Sensor On	132572	1770	18.41	18.50	1.021	-	-	0.01	1.350	1.007	1.378
1st	LTE Band 7	-	20M	QPSK	100	0	Back	5	-	Hotspot On / P-Sensor On	21350	2560	19.12	19.50	1.091	-	-	0.04	1.270	1	1.386
2nd	LTE Band 7	-	20M	QPSK	100	0	Back	5	-	Hotspot On / P-Sensor On	21350	2560	19.12	19.50	1.091	-	-	0.08	1.260	1.008	1.375
1st	WLAN5.8GHz	802.11a 6Mbps	-	-	-	-	Back	5	-	Hotspot On / P-Sensor On	157	5785	15.43	16.00	1.140	87.04	1.149	-0.01	0.854	1	1.119
2nd	WLAN5.8GHz	802.11a 6Mbps	-	-	-	-	Back	5	-	Hotspot On / P-Sensor On	157	5785	15.43	16.00	1.140	87.04	1.149	0.02	0.848	1.007	1.111
1st	LTE Band 26	-	15M	QPSK	1	74	Front	5	Headset	Hotspot On / P-Sensor On	26865	831.5	22.55	23.00	1.109	-	-	-0.05	1.190	1	1.320
2nd	LTE Band 26	-	15M	QPSK	1	74	Front	5	Headset	Hotspot On / P-Sensor On	26865	831.5	22.55	23.00	1.109	-	-	-0.04	1.170	1.017	1.298
1st	LTE Band 30	-	10M	QPSK	50	0	Back	5	Headset	Hotspot On / P-Sensor On	27710	2310	20.52	21.50	1.253	-	-	-0.07	1.100	1	1.378
2nd	LTE Band 30	-	10M	QPSK	50	0	Back	5	Headset	Hotspot On / P-Sensor On	27710	2310	20.52	21.50	1.253	-	-	-0.03	1.090	1.009	1.366

General Note:

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR <1.45W/kg, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured SAR*.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset		
		Head	Body-worn	Hotspot
1.	GSM Voice + WLAN2.4GHz	Yes	Yes	
2.	GPRS/EDGE + WLAN2.4GHz	Yes	Yes	Yes
3.	WCDMA + WLAN2.4GHz	Yes	Yes	Yes
4.	CDMA + WLAN2.4GHz	Yes	Yes	Yes
5.	LTE + WLAN2.4GHz	Yes	Yes	Yes
6.	GSM Voice + WLAN5.3/5.5GHz	Yes	Yes	
7.	GPRS/EDGE + WLAN5.3/5.5GHz	Yes	Yes	
8.	WCDMA + WLAN5.3/5.5GHz	Yes	Yes	
9.	CDMA + WLAN5.3/5.5GHz	Yes	Yes	
10.	LTE + WLAN5.3/5.5GHz	Yes	Yes	
11.	GSM Voice + WLAN5.2/5.8GHz	Yes	Yes	
12.	GPRS/EDGE + WLAN5.2/5.8GHz	Yes	Yes	Yes
13.	WCDMA + WLAN5.2/5.8GHz	Yes	Yes	Yes
14.	CDMA + WLAN5.2/5.8GHz	Yes	Yes	Yes
15.	LTE + WLAN5.2/5.8GHz	Yes	Yes	Yes
16.	GSM Voice + Bluetooth	Yes	Yes	
17.	GPRS/EDGE + Bluetooth	Yes	Yes	Yes
18.	WCDMA + Bluetooth	Yes	Yes	Yes
19.	CDMA + Bluetooth	Yes	Yes	Yes
20.	LTE + Bluetooth	Yes	Yes	Yes
21.	Bluetooth + WLAN5.3/5.5GHz	Yes	Yes	
22.	Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	Yes
23.	GSM Voice + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes	
24.	GPRS/EDGE + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes	
25.	WCDMA + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes	
26.	CDMA + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes	
27.	LTE + Bluetooth + WLAN5.3/5.5GHz	Yes	Yes	
28.	GSM Voice + Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	
29.	GPRS/EDGE + Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	Yes
30.	WCDMA + Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	Yes
31.	CDMA + Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	Yes
32.	LTE + Bluetooth + WLAN5.2/5.8GHz	Yes	Yes	Yes

General Note:

1. This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
2. EUT will choose each GSM, WCDMA and LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
4. This device 2.4GHz WLAN/ 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
5. EUT will choose either WLAN 2.4GHz or WLAN 5GHz according to the network signal condition; therefore, 2.4GHz WLAN and 5GHz WLAN will not operate simultaneously at any moment though they have independent antenna.
6. WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
7. For simultaneously analysis, since the SAR summation of 3 transmitters can cover others combination of 2 transmitters, therefore in this section did not additional to evaluate 2TX combination of simultaneously transmission.
8. Chose the worst zoom scan SAR of WLAN correspondingly for co-located with WWAN analysis.
9. The reported SAR summation is calculated based on the same configuration and test position.
10. Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
    i) 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/kg.
    ii) SPLSR = (SAR1 + SAR2)^1.5 / (min. separation distance, mm), and the peak separation distance is determined from the square root of [(x1-x2)2 + (y1-y2)2 + (z1-z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
    iii) If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.
    iv) Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.
    v) The SPLSR calculated results please refer to section 16.4.

16.1 Head Exposure Conditions

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	3 5GHz WLAN 1g SAR (W/kg)	4 Bluetooth 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
GSM	GSM850	Right Cheek	0.389	0.741	0.361	0.064	1.130	0.814
		Right Tilted	0.207	0.741	0.626	0.075	0.948	0.908
		Left Cheek	0.186	0.741	0.503	0.186	0.927	0.875
		Left Tilted	0.126	0.731	0.626	0.112	0.857	0.864
	GSM1900	Right Cheek	0.080	0.741	0.361	0.064	0.821	0.505
		Right Tilted	0.058	0.741	0.626	0.075	0.799	0.759
		Left Cheek	0.140	0.741	0.503	0.186	0.881	0.829
		Left Tilted	0.053	0.731	0.626	0.112	0.784	0.791
WCDMA	Band V	Right Cheek	0.382	0.741	0.361	0.064	1.123	0.807
		Right Tilted	0.247	0.741	0.626	0.075	0.988	0.948
		Left Cheek	0.294	0.741	0.503	0.186	1.035	0.983
		Left Tilted	0.221	0.731	0.626	0.112	0.952	0.959
	Band IV	Right Cheek	0.266	0.741	0.361	0.064	1.007	0.691
		Right Tilted	0.139	0.741	0.626	0.075	0.880	0.840
		Left Cheek	0.326	0.741	0.503	0.186	1.067	1.015
		Left Tilted	0.130	0.731	0.626	0.112	0.861	0.868
	Band II	Right Cheek	0.219	0.741	0.361	0.064	0.960	0.644
		Right Tilted	0.130	0.741	0.626	0.075	0.871	0.831
		Left Cheek	0.326	0.741	0.503	0.186	1.067	1.015
		Left Tilted	0.081	0.731	0.626	0.112	0.812	0.819
CDMA2000	BC0	Right Cheek	0.431	0.741	0.361	0.064	1.172	0.856
		Right Tilted	0.223	0.741	0.626	0.075	0.964	0.924
		Left Cheek	0.272	0.741	0.503	0.186	1.013	0.961
		Left Tilted	0.205	0.731	0.626	0.112	0.936	0.943
	BC10	Right Cheek	0.280	0.741	0.361	0.064	1.021	0.705
		Right Tilted	0.177	0.741	0.626	0.075	0.918	0.878
		Left Cheek	0.193	0.741	0.503	0.186	0.934	0.882
		Left Tilted	0.158	0.731	0.626	0.112	0.889	0.896
	BC1	Right Cheek	0.175	0.741	0.361	0.064	0.916	0.600
		Right Tilted	0.098	0.741	0.626	0.075	0.839	0.799
		Left Cheek	0.244	0.741	0.503	0.186	0.985	0.933
		Left Tilted	0.080	0.731	0.626	0.112	0.811	0.818

WWAN Band		Exposure Position	1 WWAN 1g SAR (W/kg)	2 2.4GHz WLAN 1g SAR (W/kg)	3 5GHz WLAN 1g SAR (W/kg)	4 Bluetooth 1g SAR (W/kg)	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
LTE	Band 71	Right Cheek	0.270	0.741	0.361	0.064	1.011	0.695
		Right Tilted	0.153	0.741	0.626	0.075	0.894	0.854
		Left Cheek	0.255	0.741	0.503	0.186	0.996	0.944
		Left Tilted	0.156	0.731	0.626	0.112	0.887	0.894
	Band 12	Right Cheek	0.354	0.741	0.361	0.064	1.095	0.779
		Right Tilted	0.149	0.741	0.626	0.075	0.890	0.850
		Left Cheek	0.307	0.741	0.503	0.186	1.048	0.996
		Left Tilted	0.128	0.731	0.626	0.112	0.859	0.866
	Band 13	Right Cheek	0.236	0.741	0.361	0.064	0.977	0.661
		Right Tilted	0.149	0.741	0.626	0.075	0.890	0.850
		Left Cheek	0.199	0.741	0.503	0.186	0.940	0.888
		Left Tilted	0.104	0.731	0.626	0.112	0.835	0.842
	Band 14	Right Cheek	0.274	0.741	0.361	0.064	1.015	0.699
		Right Tilted	0.159	0.741	0.626	0.075	0.900	0.860
		Left Cheek	0.236	0.741	0.503	0.186	0.977	0.925
		Left Tilted	0.136	0.731	0.626	0.112	0.867	0.874
	Band 26	Right Cheek	0.451	0.741	0.361	0.064	1.192	0.876
		Right Tilted	0.257	0.741	0.626	0.075	0.998	0.958
		Left Cheek	0.309	0.741	0.503	0.186	1.050	0.998
		Left Tilted	0.222	0.731	0.626	0.112	0.953	0.960
	Band 66	Right Cheek	0.147	0.741	0.361	0.064	0.888	0.572
		Right Tilted	0.092	0.741	0.626	0.075	0.833	0.793
		Left Cheek	0.223	0.741	0.503	0.186	0.964	0.912
		Left Tilted	0.100	0.731	0.626	0.112	0.831	0.838
	Band 25	Right Cheek	0.134	0.741	0.361	0.064	0.875	0.559
		Right Tilted	0.084	0.741	0.626	0.075	0.825	0.785
		Left Cheek	0.247	0.741	0.503	0.186	0.988	0.936
		Left Tilted	0.146	0.731	0.626	0.112	0.877	0.884
	Band 30	Right Cheek	0.219	0.741	0.361	0.064	0.960	0.644
		Right Tilted	0.197	0.741	0.626	0.075	0.938	0.898
		Left Cheek	0.233	0.741	0.503	0.186	0.974	0.922
		Left Tilted	0.105	0.731	0.626	0.112	0.836	0.843
	Band 7	Right Cheek	0.181	0.741	0.361	0.064	0.922	0.606
		Right Tilted	0.231	0.741	0.626	0.075	0.972	0.932
		Left Cheek	0.221	0.741	0.503	0.186	0.962	0.910
		Left Tilted	0.120	0.731	0.626	0.112	0.851	0.858
	Band 41	Right Cheek	0.140	0.741	0.361	0.064	0.881	0.565
		Right Tilted	0.151	0.741	0.626	0.075	0.892	0.852
		Left Cheek	0.276	0.741	0.503	0.186	1.017	0.965
		Left Tilted	0.123	0.731	0.626	0.112	0.854	0.861

16.2 Hotspot Exposure Conditions

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM	GSM850	Front	1.242	0.245	0.148	0.059	1.49			1.45		
		Back	0.744	0.453	1.119	0.094	1.20			**1.96**	**0.02**	**#1**
		Left Side	0.290				0.29			0.29		
		Right Side	0.723	0.461	0.140	0.053	1.18			0.92		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.883				0.88			0.88		
	GSM1900	Front	1.398	0.245	0.148	0.059	**1.64**	**0.02**	**#2**	**1.61**	**0.02**	**#3**
		Back	1.310	0.453	1.119	0.094	**1.76**	**0.02**	**#4**	**2.52**	**0.03**	**#5**
		Left Side	0.064				0.06			0.06		
		Right Side	0.132	0.461	0.140	0.053	0.59			0.33		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.344				1.34			1.34		
WCDMA	Band V	Front	1.283	0.245	0.148	0.059	1.53			1.49		
		Back	1.075	0.453	1.119	0.094	1.53			**2.29**	**0.02**	**#6**
		Left Side	0.326				0.33			0.33		
		Right Side	0.844	0.461	0.140	0.053	1.31			1.04		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.878				0.88			0.88		
	Band IV	Front	1.375	0.245	0.148	0.059	**1.62**	**0.02**	**#7**	**1.58**		
		Back	1.061	0.453	1.119	0.094	1.51			**2.27**	**0.02**	**#8**
		Left Side	0.064				0.06			0.06		
		Right Side	0.097	0.461	0.140	0.053	0.56			0.29		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.341				1.34			1.34		
	Band II	Front	1.361	0.245	0.148	0.059	**1.61**	**0.01**	**#9**	1.57		
		Back	1.249	0.453	1.119	0.094	**1.70**	**0.02**	**#10**	**2.46**	**0.03**	**#11**
		Left Side	0.064				0.06			0.06		
		Right Side	0.134	0.461	0.140	0.053	0.60			0.33		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.338				1.34			1.34		
CDMA2000	BC0	Front	1.282	0.245	0.148	0.059	1.53			1.49		
		Back	1.385	0.453	1.119	0.094	**1.84**	**0.02**	**#12**	**2.60**	**0.03**	**#13**
		Left Side	0.242				0.24			0.24		
		Right Side	0.620	0.461	0.140	0.053	1.08			0.81		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.966				0.97			0.97		
	BC10	Front	1.014	0.245	0.148	0.059	1.26			1.22		
		Back	0.698	0.453	1.119	0.094	1.15			**1.91**	**0.02**	**#14**
		Left Side	0.308				0.31			0.31		
		Right Side	0.591	0.461	0.140	0.053	1.05			0.78		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.747				0.75			0.75		
	BC1	Front	0.795	0.245	0.148	0.059	1.04			1.00		
		Back	0.745	0.453	1.119	0.094	1.20			**1.96**	**0.02**	**#15**
		Left Side	0.059				0.06			0.06		
		Right Side	0.114	0.461	0.140	0.053	0.58			0.31		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.394				1.39			1.39		

WWAN Band		Exposure Position	1	2	3	4	1+2			1+3+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
LTE	Band 71	Front	0.822	0.245	0.148	0.059	1.07			1.03		
		Back	0.784	0.453	1.119	0.094	1.24			**2.00**	**0.02**	**#16**
		Left Side	0.339				0.34			0.34		
		Right Side	0.421	0.461	0.140	0.053	0.88			0.61		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.539				0.54			0.54		
	Band 12	Front	0.973	0.245	0.148	0.059	1.22			1.18		
		Back	0.781	0.453	1.119	0.094	1.23			**1.99**	**0.02**	**#17**
		Left Side	0.390				0.39			0.39		
		Right Side	0.538	0.461	0.140	0.053	1.00			0.73		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.692				0.69			0.69		
	Band 13	Front	0.659	0.245	0.148	0.059	0.90			0.87		
		Back	0.569	0.453	1.119	0.094	1.02			**1.78**	**0.02**	**#18**
		Left Side	0.260				0.26			0.26		
		Right Side	0.445	0.461	0.140	0.053	0.91			0.64		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.373				0.37			0.37		
	Band 14	Front	0.826	0.245	0.148	0.059	1.07			1.03		
		Back	0.615	0.453	1.119	0.094	1.07			**1.83**	**0.02**	**#19**
		Left Side	0.248				0.25			0.25		
		Right Side	0.409	0.461	0.140	0.053	0.87			0.60		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.461				0.46			0.46		
	Band 26	Front	1.276	0.245	0.148	0.059	1.52			1.48		
		Back	1.139	0.453	1.119	0.094	**1.59**			**2.35**	**0.03**	**#21**
		Left Side	0.319				0.32			0.32		
		Right Side	0.724	0.461	0.140	0.053	1.19			0.92		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	0.768				0.77			0.77		
	Band 66	Front	1.393	0.245	0.148	0.059	**1.64**	**0.01**	**#22**	**1.60**	**0.01**	**#23**
		Back	1.382	0.453	1.119	0.094	**1.84**	**0.02**	**#24**	**2.60**	**0.03**	**#25**
		Left Side	0.063				0.06			0.06		
		Right Side	0.125	0.461	0.140	0.053	0.59			0.32		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.389				1.39			1.39		
	Band 25	Front	1.396	0.245	0.148	0.059	**1.64**	**0.02**	**#26**	**1.60**	**0.01**	**#27**
		Back	1.360	0.453	1.119	0.094	**1.81**	**0.02**	**#28**	**2.57**	**0.03**	**#29**
		Left Side	0.069				0.07			0.07		
		Right Side	0.122	0.461	0.140	0.053	0.58			0.32		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.391				1.39			1.39		
	Band 30	Front	1.269	0.245	0.148	0.059	1.51			1.48		
		Back	1.266	0.453	1.119	0.094	**1.72**	**0.02**	**#30**	**2.48**	**0.03**	**#31**
		Left Side	0.887				0.89			0.89		
		Right Side		0.461	0.140	0.053	0.46			0.19		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.292				1.29			1.29		
	Band 7	Front	1.170	0.245	0.148	0.059	1.42			1.38		
		Back	1.396	0.453	1.119	0.094	**1.85**	**0.02**	**#32**	**2.61**	**0.03**	**#33**
		Left Side	0.567				0.57			0.57		
		Right Side		0.461	0.140	0.053	0.46			0.19		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.032				1.03			1.03		
	Band 41	Front	1.313	0.245	0.148	0.059	1.56			1.52		
		Back	1.390	0.453	1.119	0.094	**1.84**	**0.02**	**#34**	**2.60**	**0.03**	**#35**
		Left Side	0.571				0.57			0.57		
		Right Side		0.461	0.140	0.053	0.46			0.19		
		Top Side		0.461	0.390	0.066	0.46			0.46		
		Bottom Side	1.361				1.36			1.36		

16.3 Body-Worn Accessory Exposure Conditions

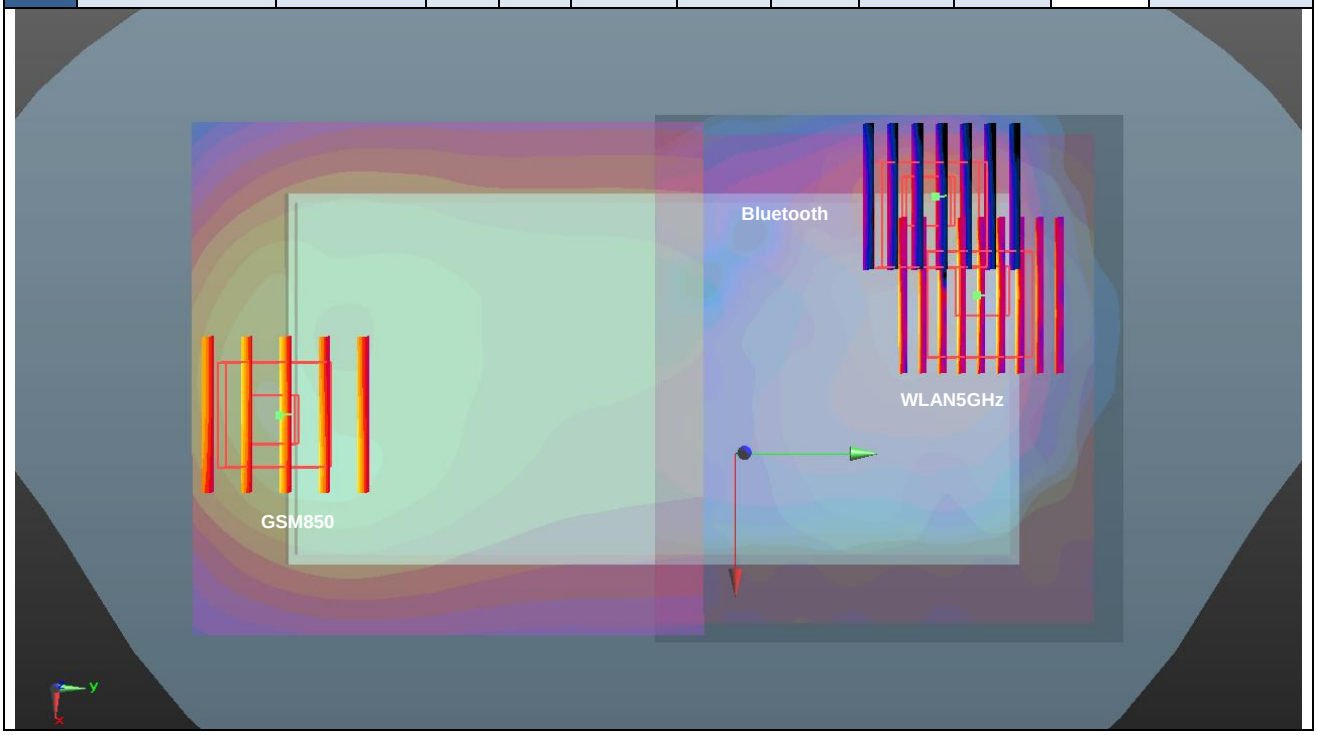
WWAN Band		Exposure Position	1	2	3	4	1+2			1+3+4		
			WWAN	2.4GHz WLAN	5GHz WLAN	Bluetooth	Summed 1g SAR (W/kg)	SPLSR	Case No	Summed 1g SAR (W/kg)	SPLSR	Case No
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM	GSM850	Front	1.242	0.245	0.148	0.059	1.49			1.45		
		Back	0.744	0.453	1.119	0.094	1.20			**1.96**	**0.02**	**#1**
		Front with Headset	1.262				1.26			1.26		
	GSM1900	Front	1.398	0.245	0.148	0.059	**1.64**	**0.02**	**#2**	**1.61**	**0.02**	**#3**
		Back	1.310	0.453	1.119	0.094	**1.76**	**0.02**	**#4**	**2.52**	**0.03**	**#5**
		Front with Headset	1.361				1.36			1.36		
		Back with Headset	1.029				1.03			1.03		
WCDMA	Band V	Front	1.283	0.245	0.148	0.059	1.53			1.49		
		Back	1.075	0.453	1.119	0.094	1.53			**2.29**	**0.02**	**#6**
		Front with Headset	0.986				0.99			0.99		
	Band IV	Front	1.375	0.245	0.148	0.059	**1.62**	**0.02**	**#7**	1.58		
		Back	1.061	0.453	1.119	0.094	**1.51**			**2.27**	**0.02**	**#8**
		Front with Headset	1.160				1.16			1.16		
	Band II	Front	1.361	0.245	0.148	0.059	**1.61**	**0.01**	**#9**	1.57		
		Back	1.249	0.453	1.119	0.094	**1.70**	**0.02**	**#10**	**2.46**	**0.03**	**#11**
		Front with Headset	1.394				1.39			1.39		
		Back with Headset	1.262				1.26			1.26		
CDMA2000	BC0	Front	1.391	0.245	0.148	0.059	**1.64**	**0.01**	**#36**	**1.60**	**0.01**	**#37**
		Back	1.291	0.453	1.119	0.094	**1.74**	**0.02**	**#38**	**2.50**	**0.03**	**#39**
		Front with Headset	1.378				1.38			1.38		
		Back with Headset	1.228				1.23			1.23		
	BC10	Front	0.983	0.245	0.148	0.059	1.23			1.19		
		Back	0.964	0.453	1.119	0.094	1.42			**2.18**	**0.02**	**#40**
	BC1	Front	1.371	0.245	0.148	0.059	**1.62**	**0.01**	**#41**	1.58		
		Back	1.300	0.453	1.119	0.094	**1.75**	**0.02**	**#42**	**2.51**	**0.03**	**#43**
		Front with Headset	1.392				1.39			1.39		
		Back with Headset	1.248				1.25			1.25		
LTE	Band 71	Front	0.822	0.245	0.148	0.059	1.07			1.03		
		Back	0.784	0.453	1.119	0.094	1.24			**2.00**	**0.02**	**#16**
	Band 12	Front	0.973	0.245	0.148	0.059	1.22			1.18		
		Back	0.781	0.453	1.119	0.094	1.23			**1.99**	**0.02**	**#17**
	Band 13	Front	0.659	0.245	0.148	0.059	0.90			0.87		
		Back	0.569	0.453	1.119	0.094	1.02			**1.78**	**0.02**	**#18**
	Band 14	Front	0.826	0.245	0.148	0.059	1.07			1.03		
		Back	0.615	0.453	1.119	0.094	1.07			**1.83**	**0.02**	**#19**
	Band 26	Front	1.276	0.245	0.148	0.059	1.52			1.48		
		Back	1.139	0.453	1.119	0.094	**1.59**			**2.35**	**0.03**	**#21**
		Front with Headset	1.320				1.32			1.32		
	Band 66	Front	1.393	0.245	0.148	0.059	**1.64**	**0.01**	**#22**	**1.60**	**0.01**	**#23**
		Back	1.382	0.453	1.119	0.094	**1.84**	**0.02**	**#24**	**2.60**	**0.03**	**#25**
		Front with Headset	1.347				1.35			1.35		
		Back with Headset	1.361				1.36			1.36		
	Band 25	Front	1.396	0.245	0.148	0.059	**1.64**	**0.02**	**#26**	**1.60**	**0.01**	**#27**
		Back	1.360	0.453	1.119	0.094	**1.81**	**0.02**	**#28**	**2.57**	**0.03**	**#29**
		Front with Headset	1.347				1.35			1.35		
		Back with Headset	1.271				1.27			1.27		
	Band 30	Front	1.269	0.245	0.148	0.059	1.51			1.48		
		Back	1.266	0.453	1.119	0.094	**1.72**	**0.02**	**#30**	**2.48**	**0.03**	**#31**
		Front with Headset	1.221				1.22			1.22		
		Back with Headset	1.378				1.38			1.38		
	Band 7	Front	1.170	0.245	0.148	0.059	1.42			1.38		
		Back	1.396	0.453	1.119	0.094	**1.85**	**0.02**	**#32**	**2.61**	**0.03**	**#33**
		Back with Headset	1.195				1.20			1.20		
	Band 41	Front	1.313	0.245	0.148	0.059	1.56			1.52		
		Back	1.390	0.453	1.119	0.094	**1.84**	**0.02**	**#34**	**2.60**	**0.03**	**#35**
		Front with Headset	1.136				1.14			1.14		
		Back with Headset	1.379				1.38			1.38		

16.4 SPLSR Evaluation and Analysis

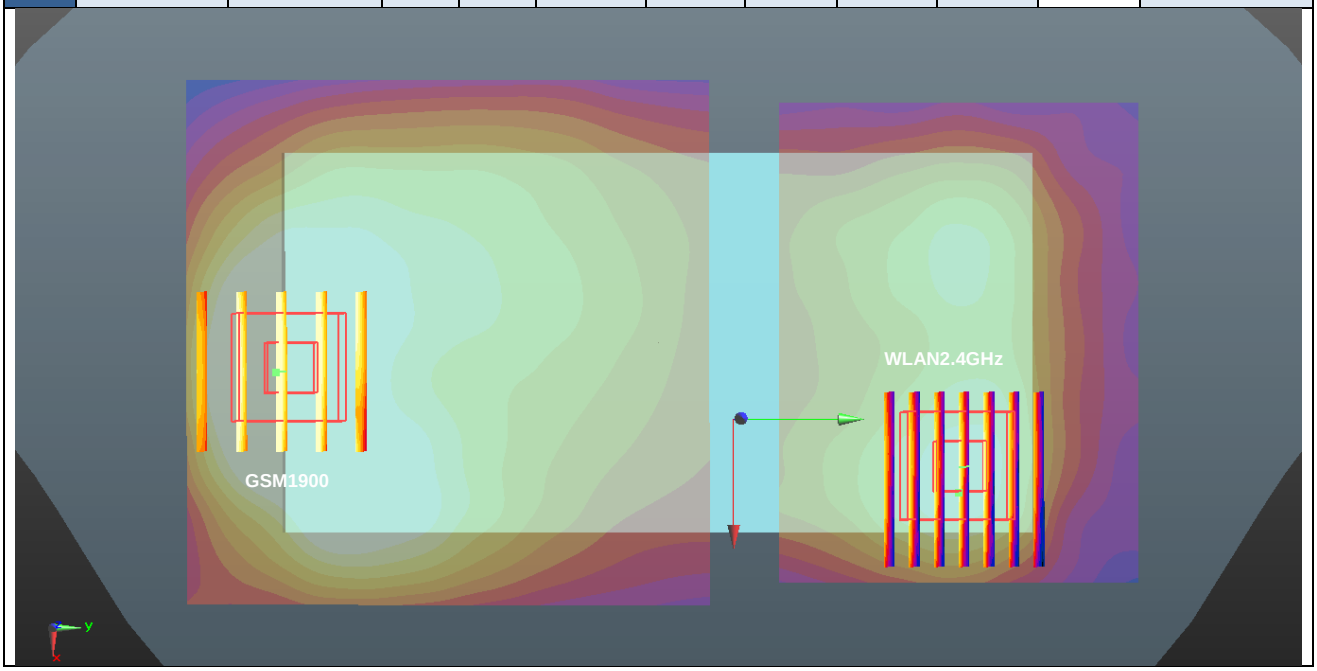
General Note:

1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of [(x1−x2)2 + (y1−y2)2 + (z1−z2)2], where (x1, y1, z1) and (x2, y2, z2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. SPLSR = (SAR1 + SAR2)1.5 / (min. separation distance, mm). If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.

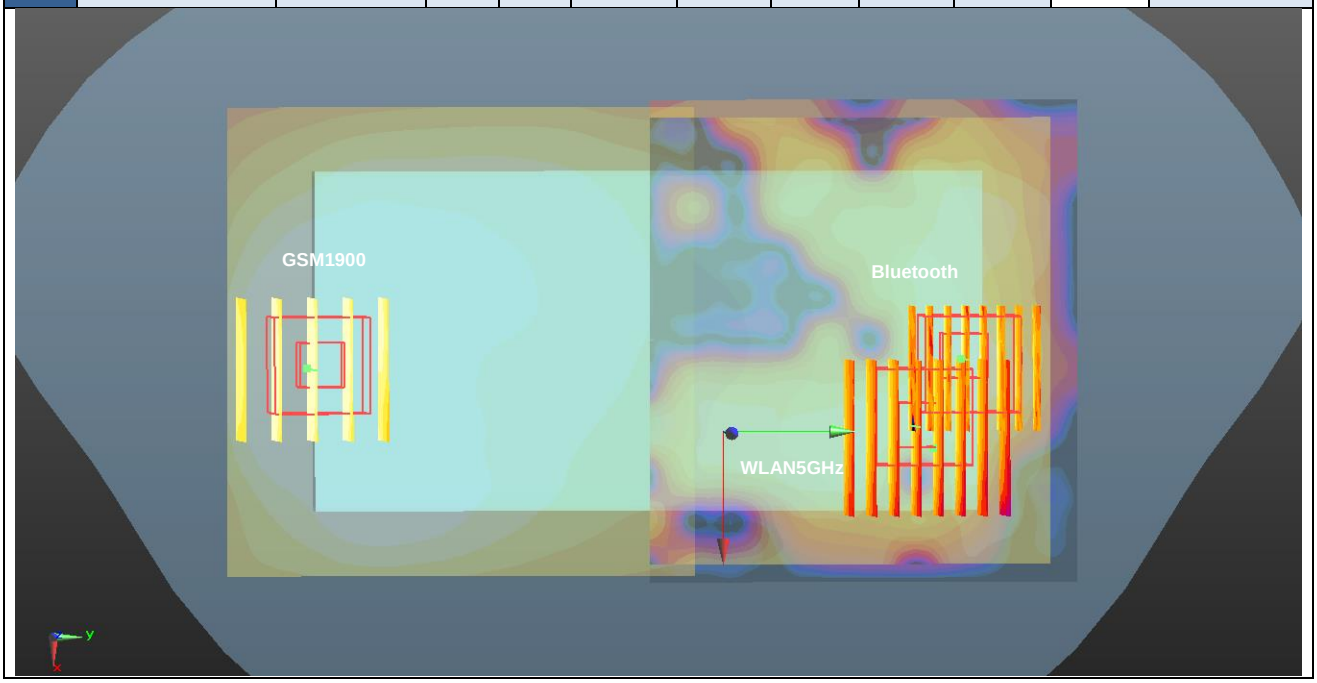
	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case #1	GSM850	Back	0.744	5	9.1	-78.6	-1.69	142.6	1.96	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	GSM850	Back	0.744	5	9.1	-78.6	-1.69	148.0	1.96	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



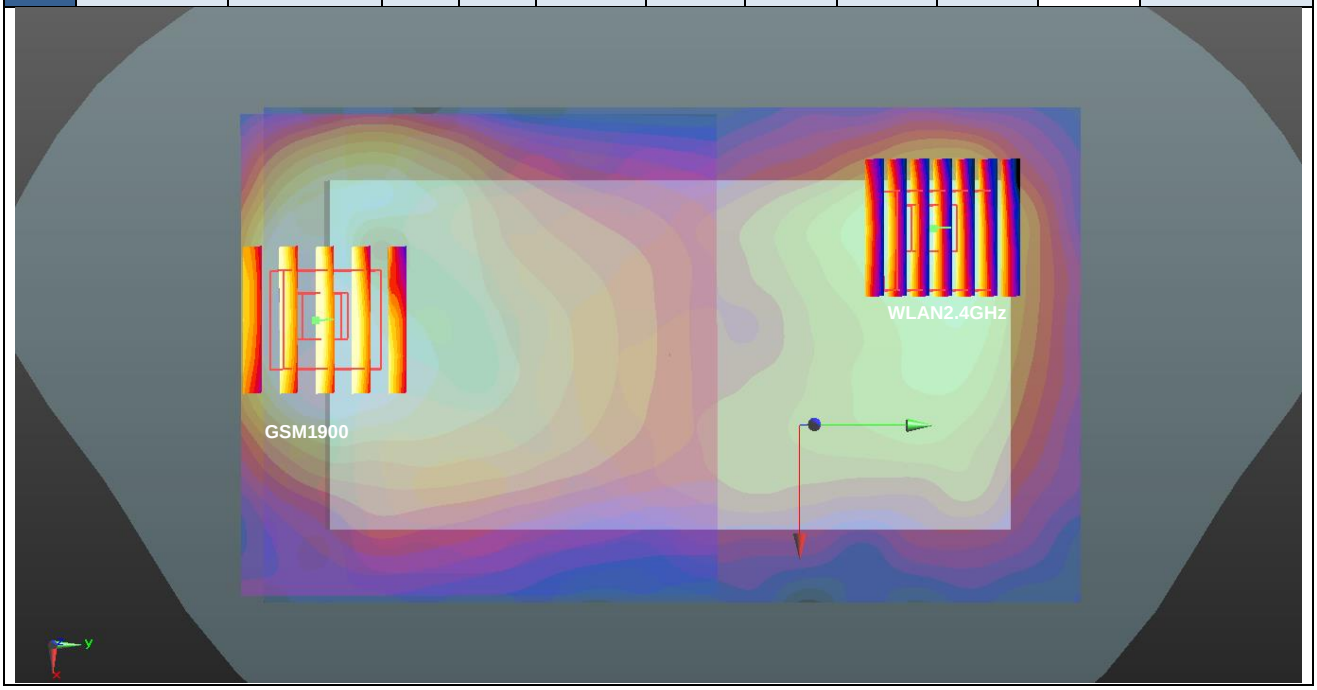
Case #2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900	Front	1.398	5	6	-73.8	-1.22	135.3	1.64	0.02	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



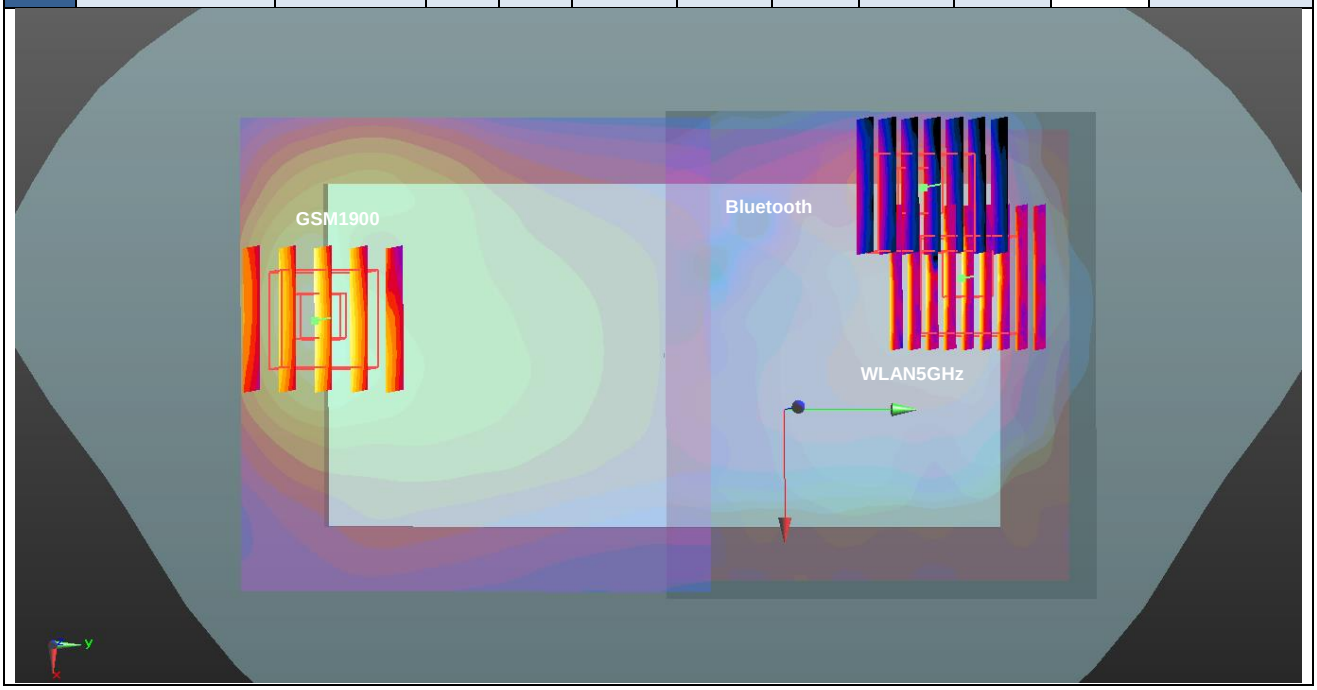
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #3	GSM1900	Front	1.398	5	6	-73.8	-1.22	135.3	1.61	0.02	Not required
	WLAN5GHz		0.148	5	4.8	70	-1.16				
	Bluetooth		0.059	5	22	60.6	-1.36				
	GSM1900	Front	1.398	5	6	-73.8	-1.22	143.8	1.61	0.01	Not required
	Bluetooth		0.059	5	22	60.6	-1.36				
	WLAN5GHz		0.148	5	4.8	70	-1.16				



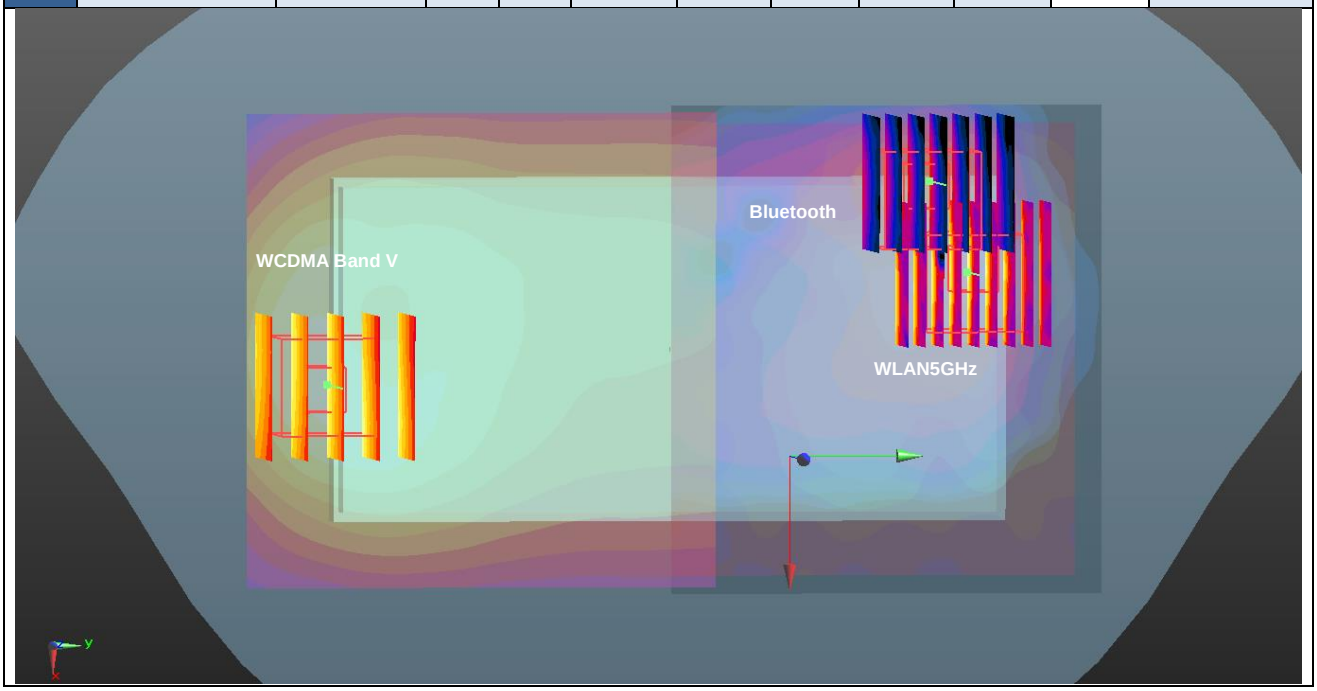
Case #4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	GSM1900	Back	1.310	5	-9.1	-76.9	-1.31	135.9	1.76	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



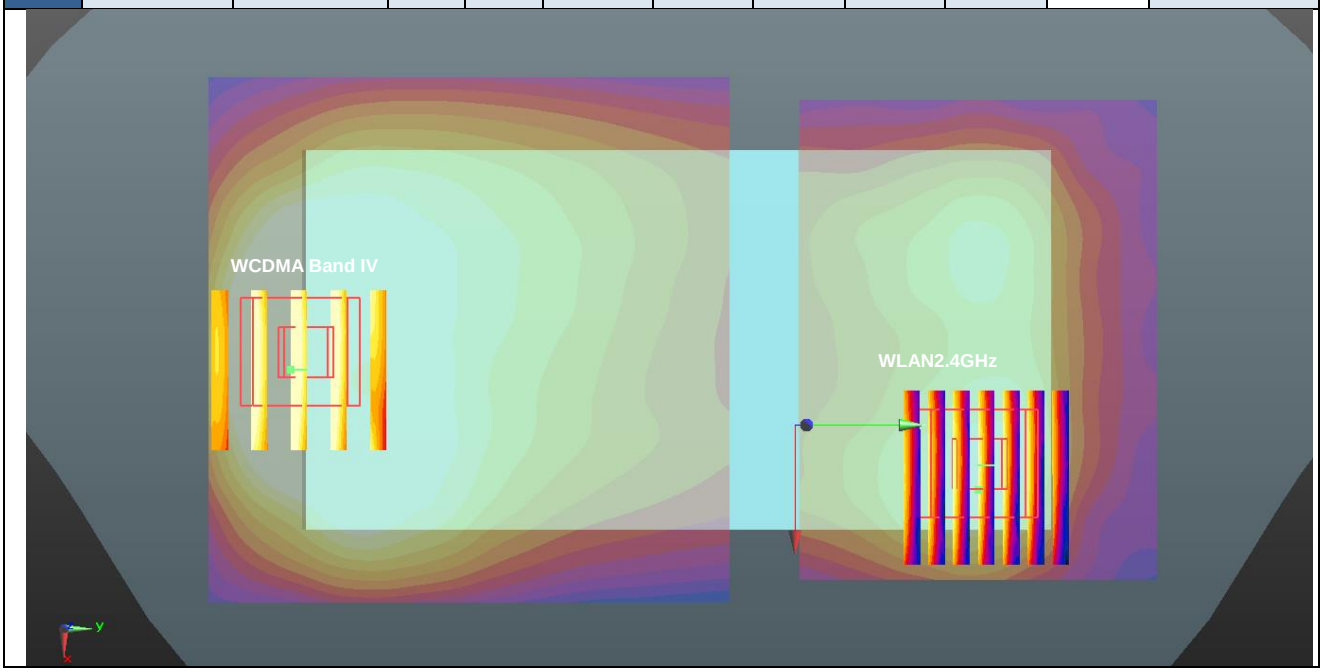
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #5	GSM1900	Back	1.310	5	-9.1	-76.9	-1.31	136.2	2.52	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	GSM1900	Back	1.310	5	-9.1	-76.9	-1.31	144.0	2.52	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



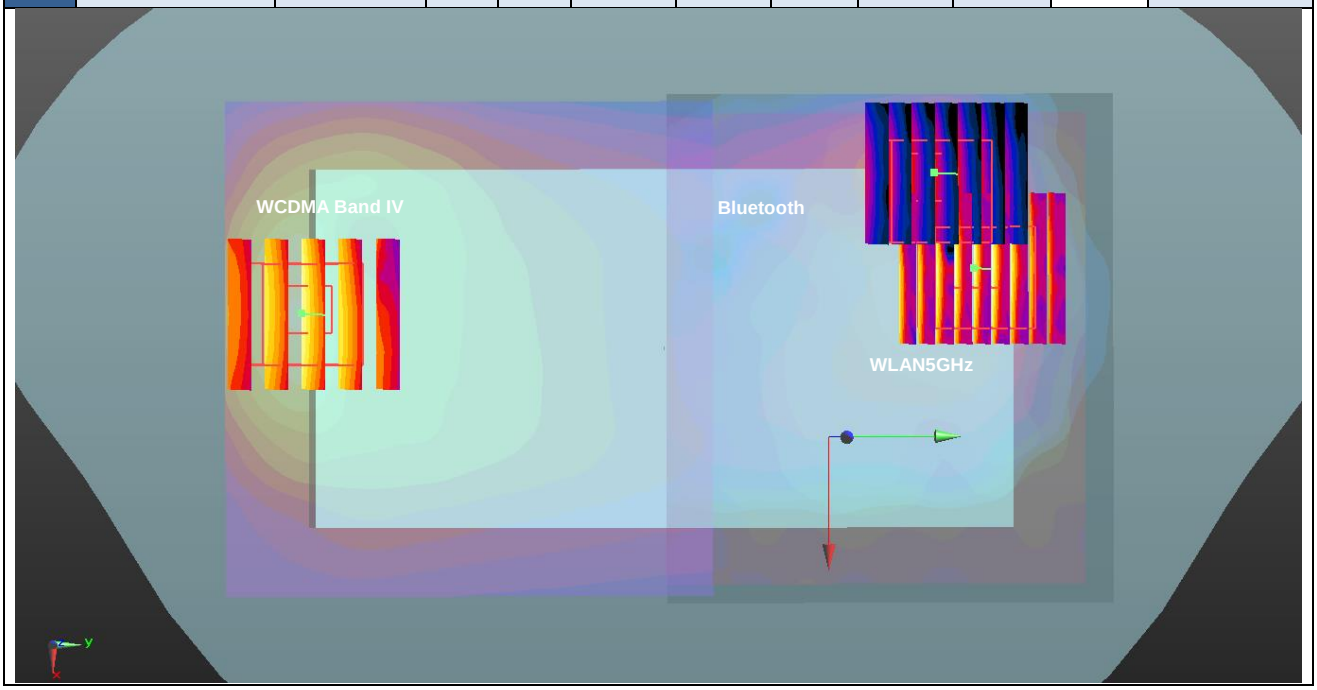
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #6	WCDMA V	Back	1.075	5	7.5	-78.6	-1.66	142.1	2.29	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WCDMA V	Back	1.075	5	7.5	-78.6	-1.66	147.7	2.29	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



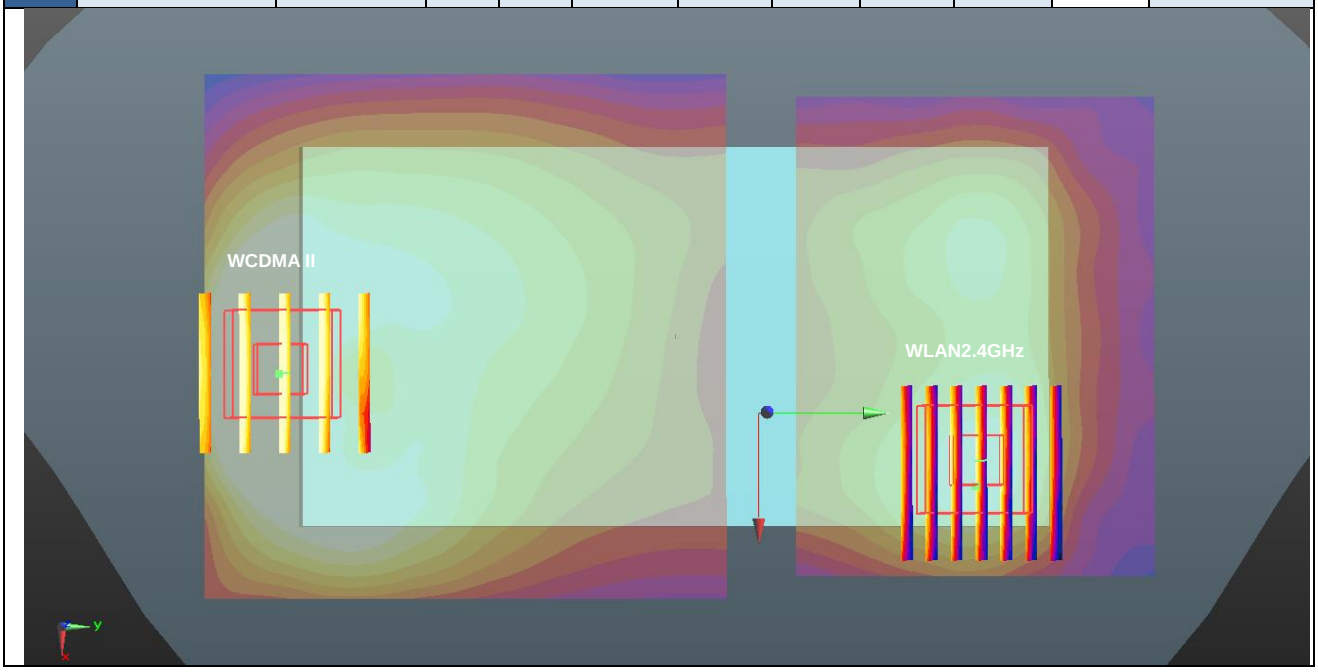
Case #7	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA Band IV	Front	1.375	5	2.8	-75.3	-1.37	137.3	1.62	0.02	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



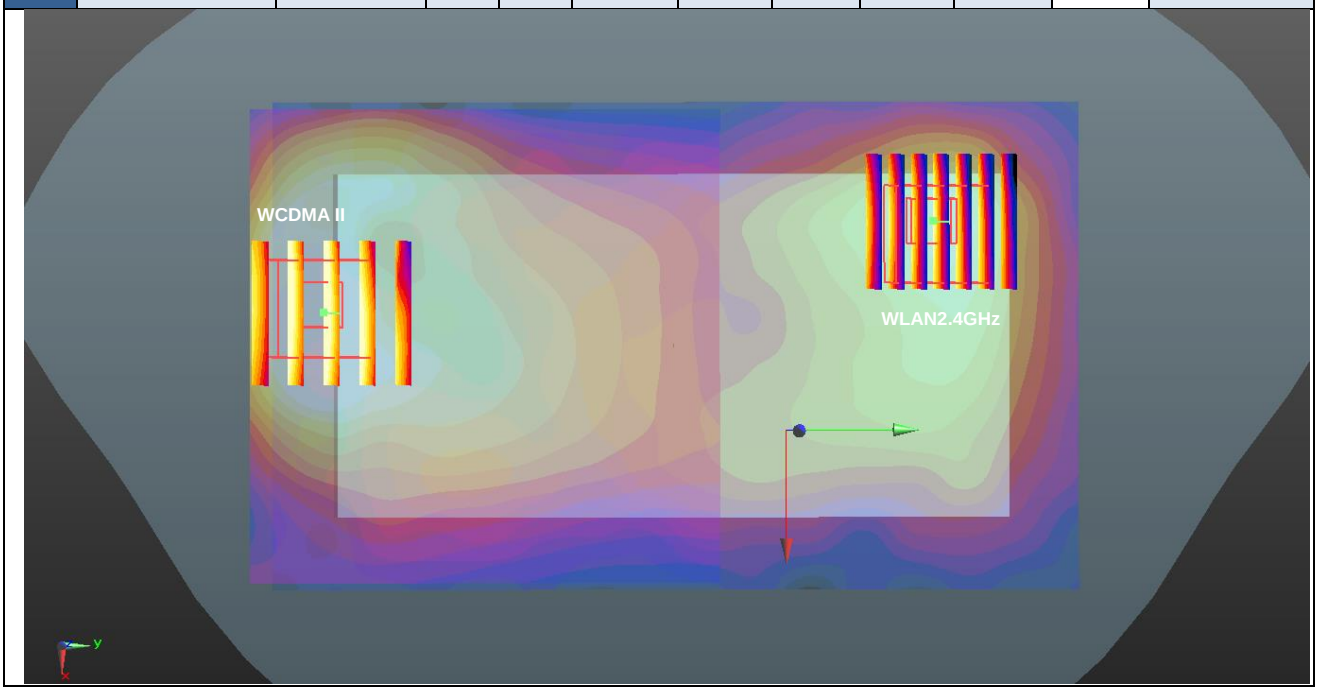
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #8	WCDMA IV	Back	1.061	5	-9.1	-78.5	-1.35	137.8	2.27	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WCDMA IV	Back	1.061	5	-9.1	-78.5	-1.35	145.6	2.27	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



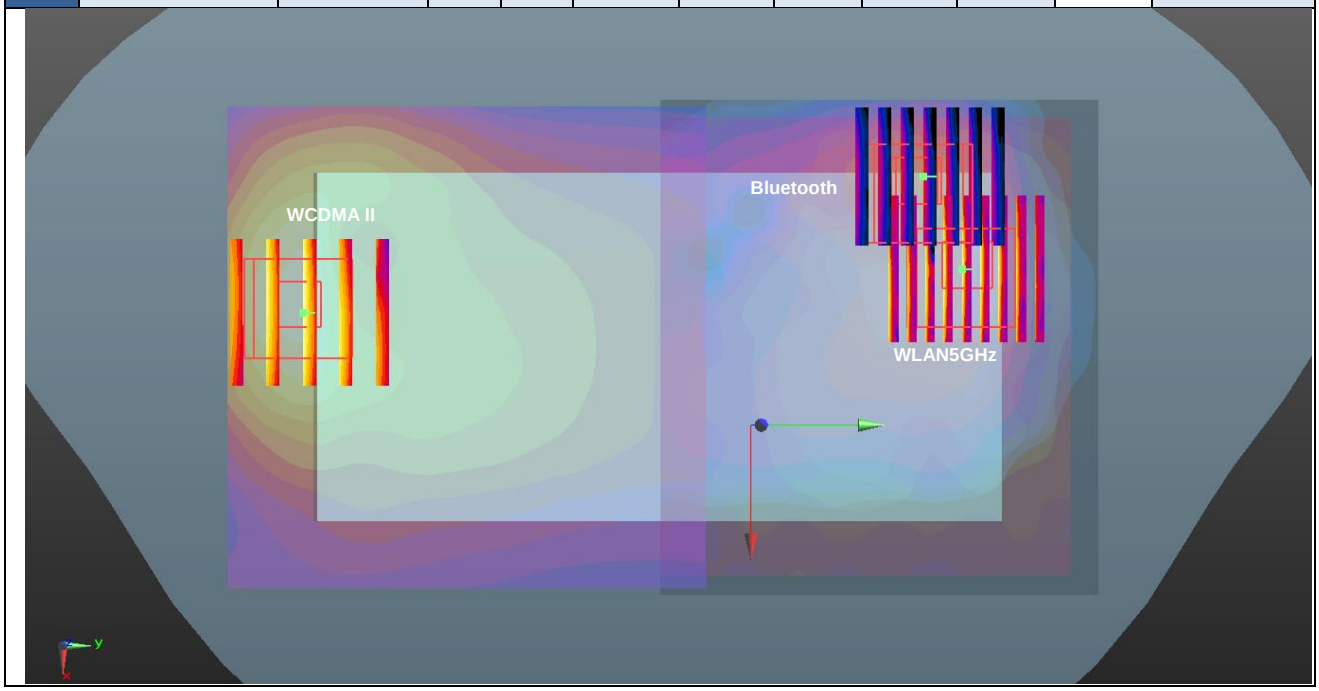
Case #9	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	WCDMA II	Front	1.361	5	5.9	-80	-1.3	141.4	1.61	0.01	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



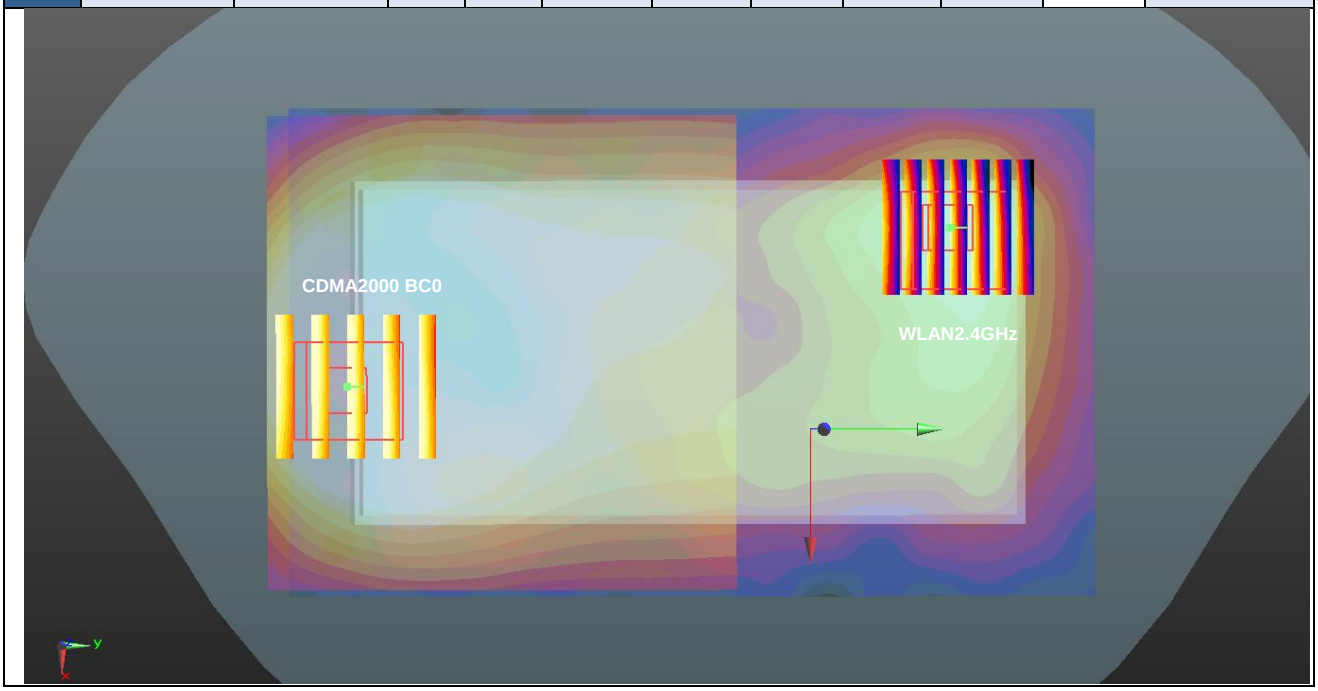
Case #10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	WCDMA II	Back	1.249	5	-10.7	-80.1	-1.31	138.9	1.70	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



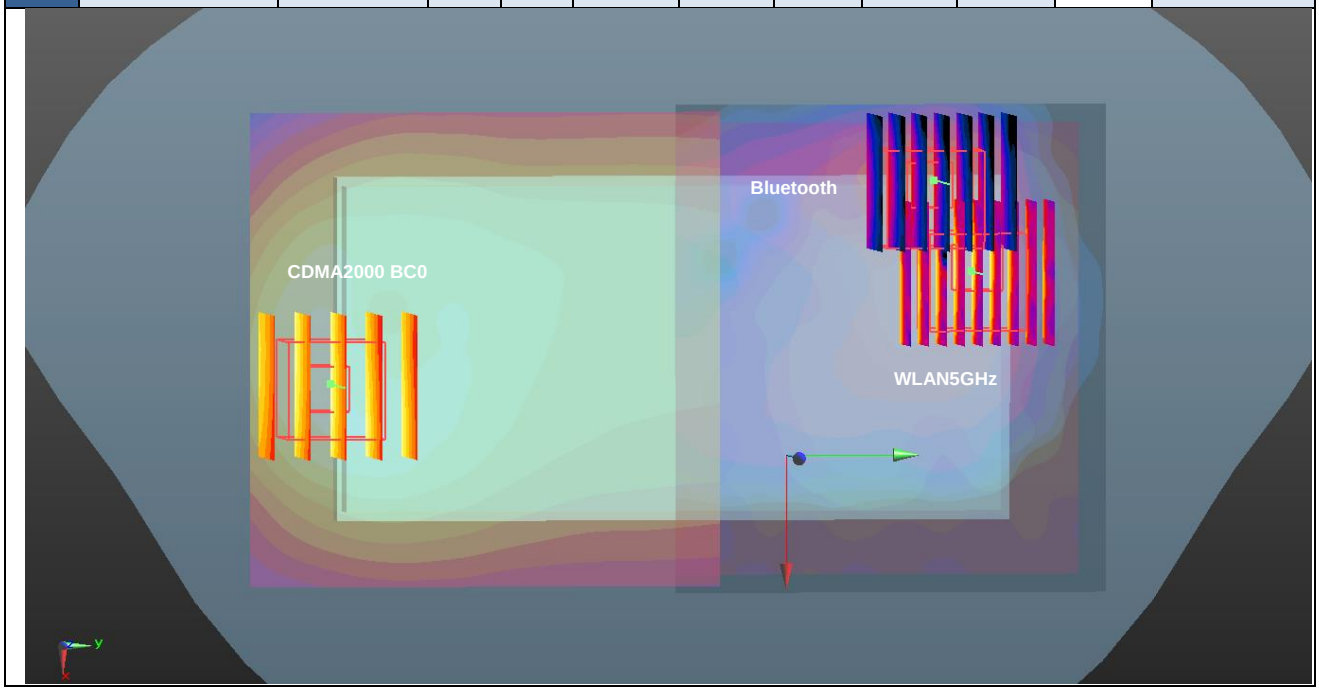
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #11	WCDMA II	Back	1.249	5	-10.7	-80.1	-1.31	139.1	2.46	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WCDMA II	Back	1.249	5	-10.7	-80.1	-1.31	147.1	2.46	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



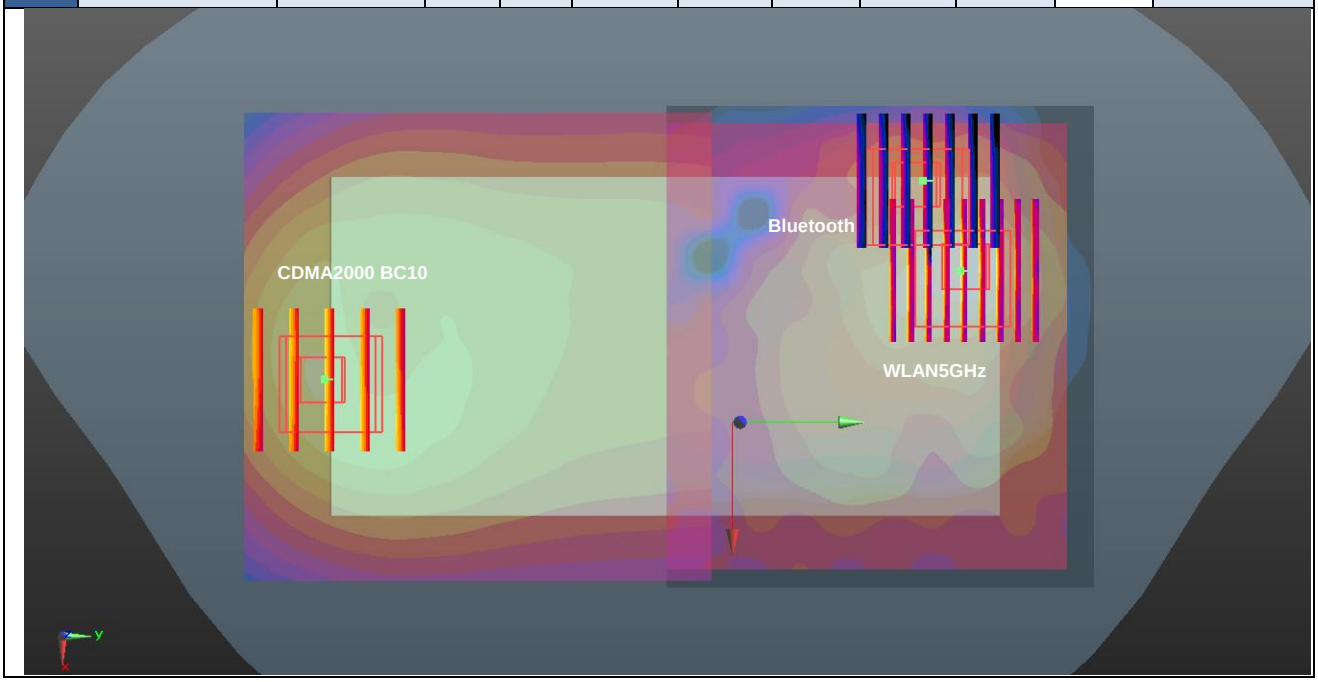
Case #12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	1.385	5	9.1	-78.6	-1.66	141.3	1.84	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



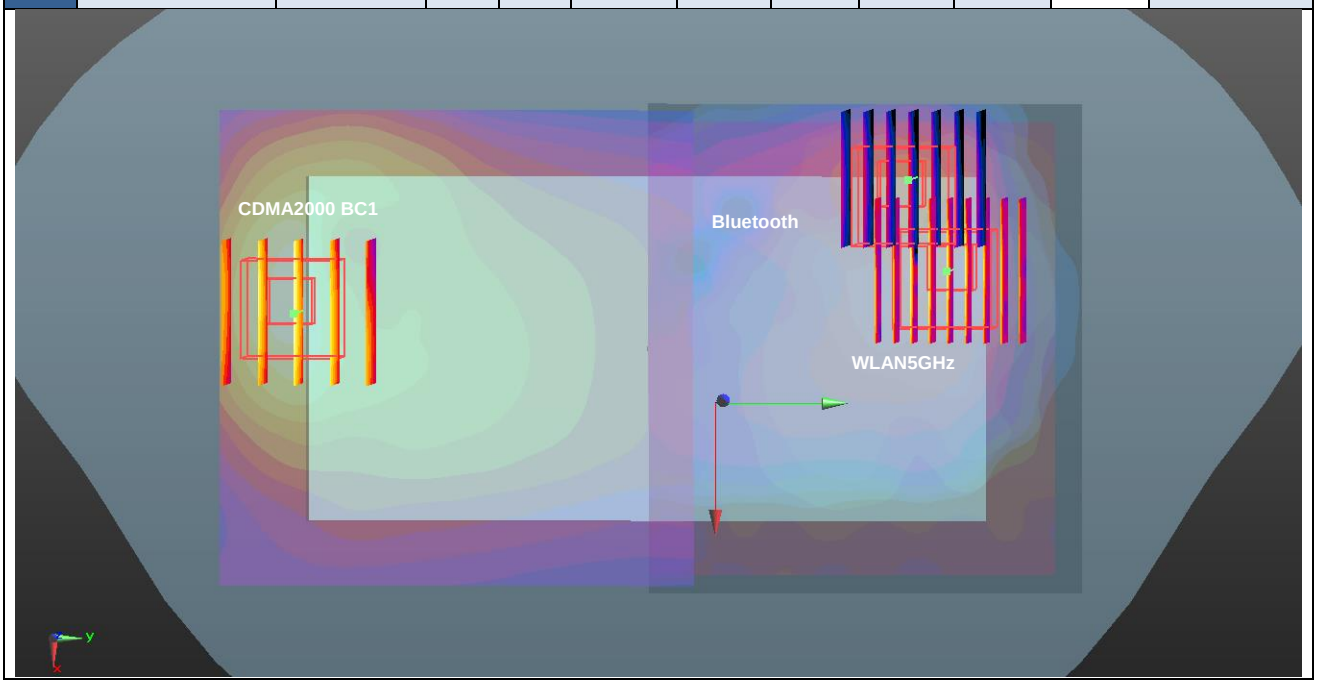
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #13	CDMA2000 BC0	Back	1.385	5	9.1	-78.6	-1.66	142.6	2.60	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	CDMA2000 BC0	Back	1.385	5	9.1	-78.6	-1.66	148.0	2.60	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



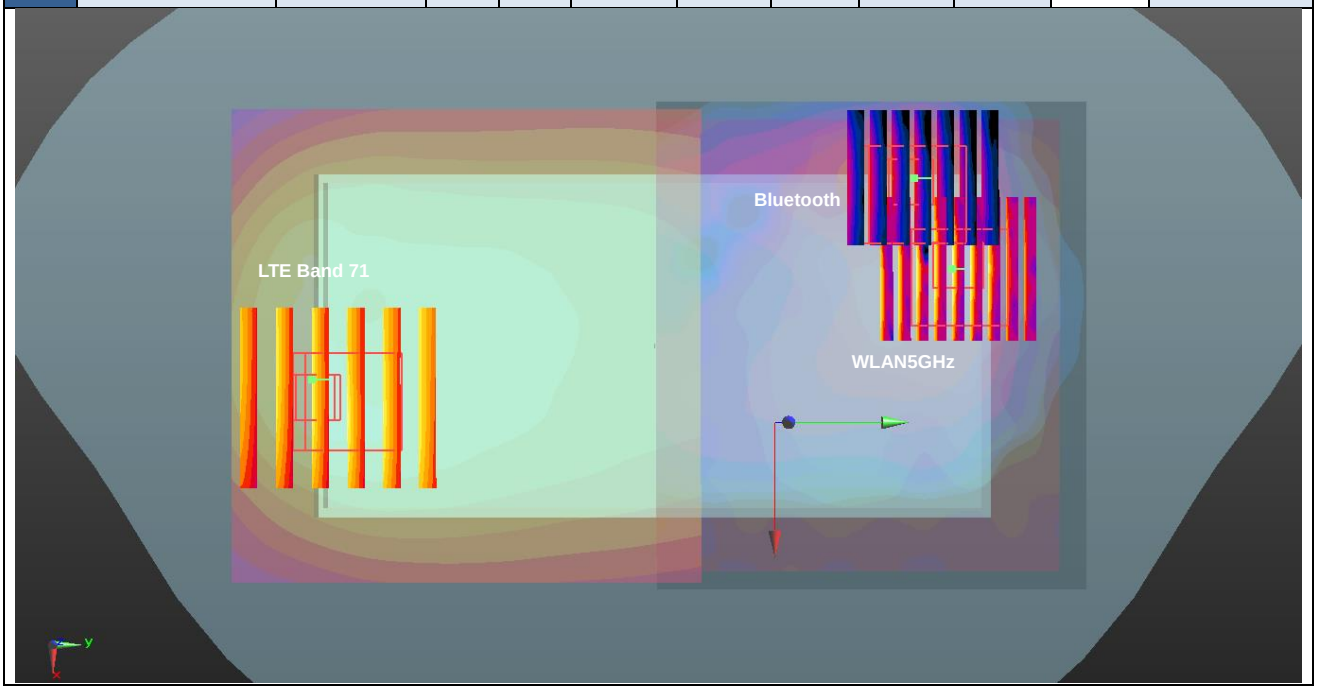
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #14	CDMA2000 BC10	Back	0.698	5	12.3	-75.4	-1.65	140.6	1.91	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	CDMA2000 BC10	Back	0.698	5	12.3	-75.4	-1.65	145.5	1.91	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



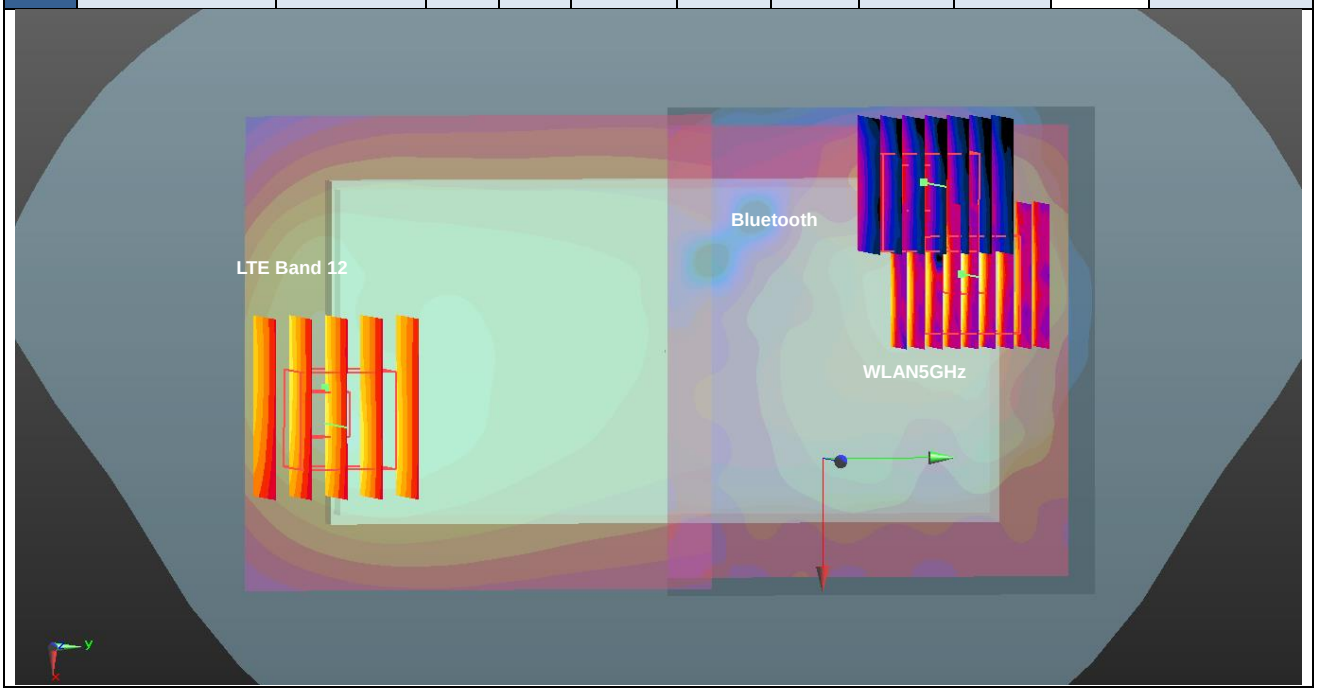
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #15	CDMA2000 BC1	Back	0.745	5	-12.3	-80.1	-1.33	138.8	1.96	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	CDMA2000 BC1	Back	0.745	5	-12.3	-80.1	-1.33	147.0	1.96	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



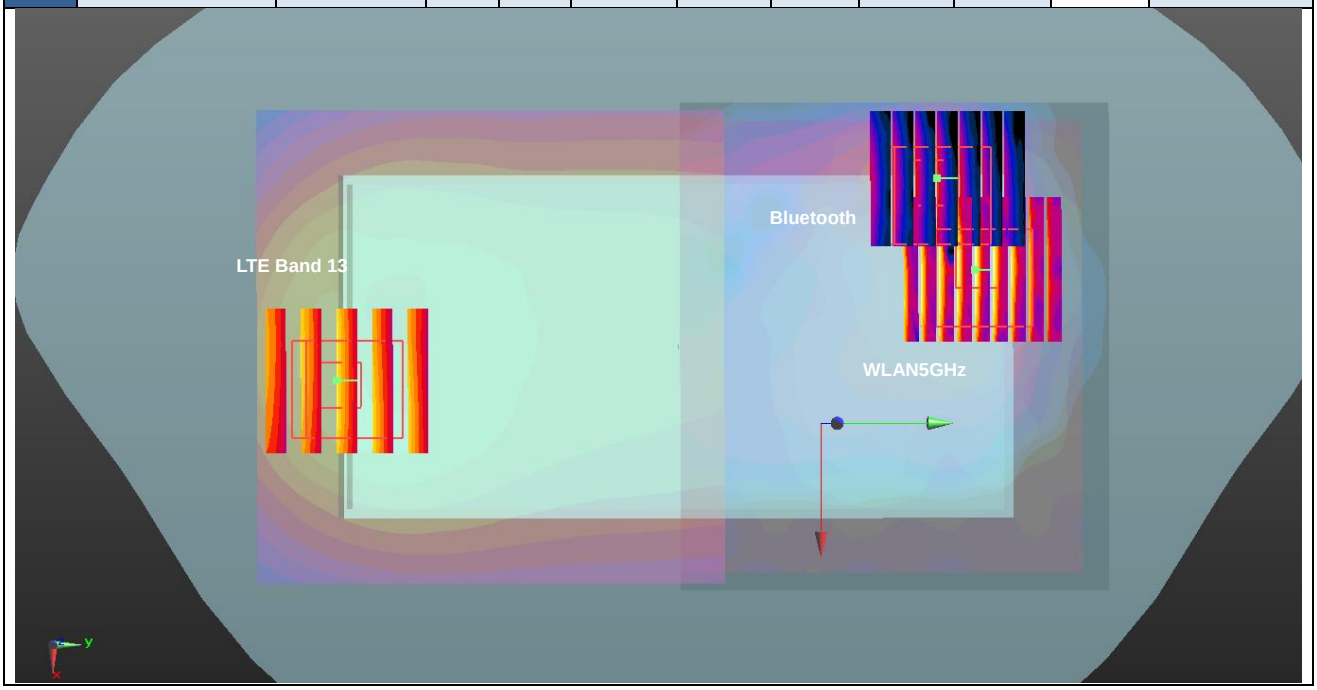
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #16	LTE Band 71	Back	0.784	5	13.9	-75.4	-1.65	141.2	2.00	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 71	Back	0.784	5	13.9	-75.4	-1.65	145.9	2.00	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



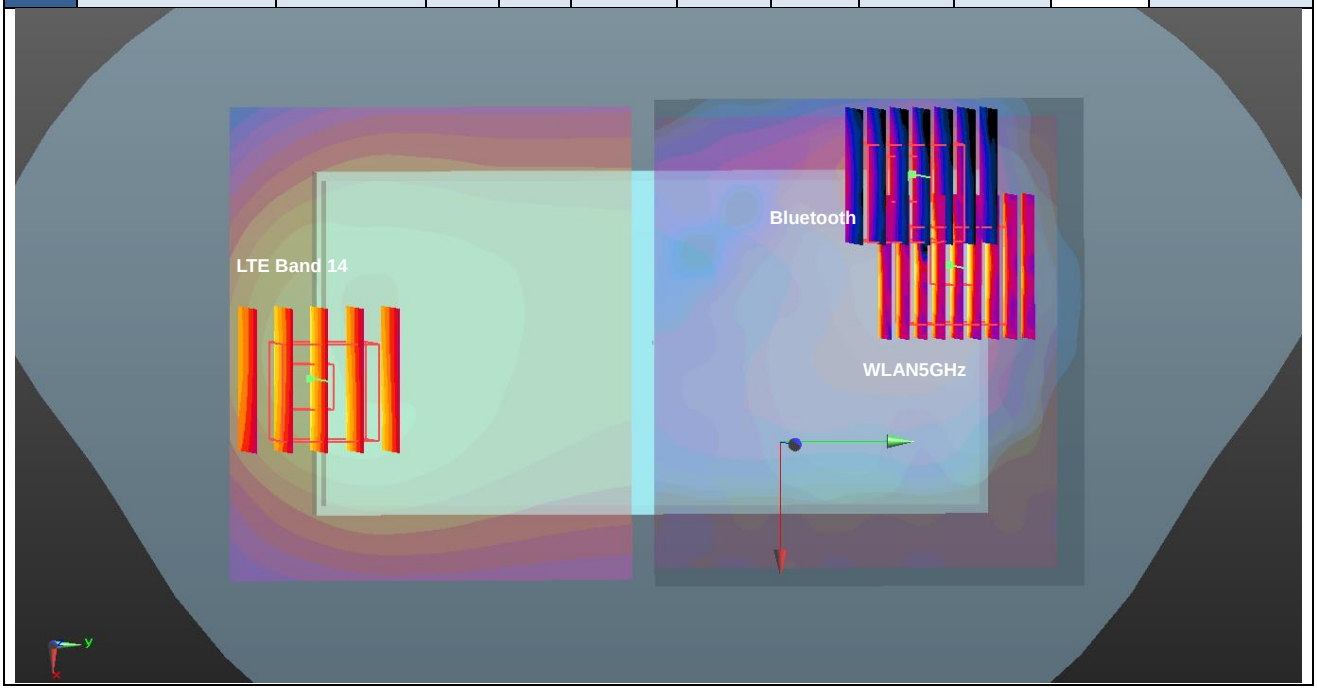
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #17	LTE Band 12	Back	0.781	5	13.9	-77	-1.57	142.7	1.99	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 12	Back	0.781	5	13.9	-77	-1.57	147.4	1.99	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



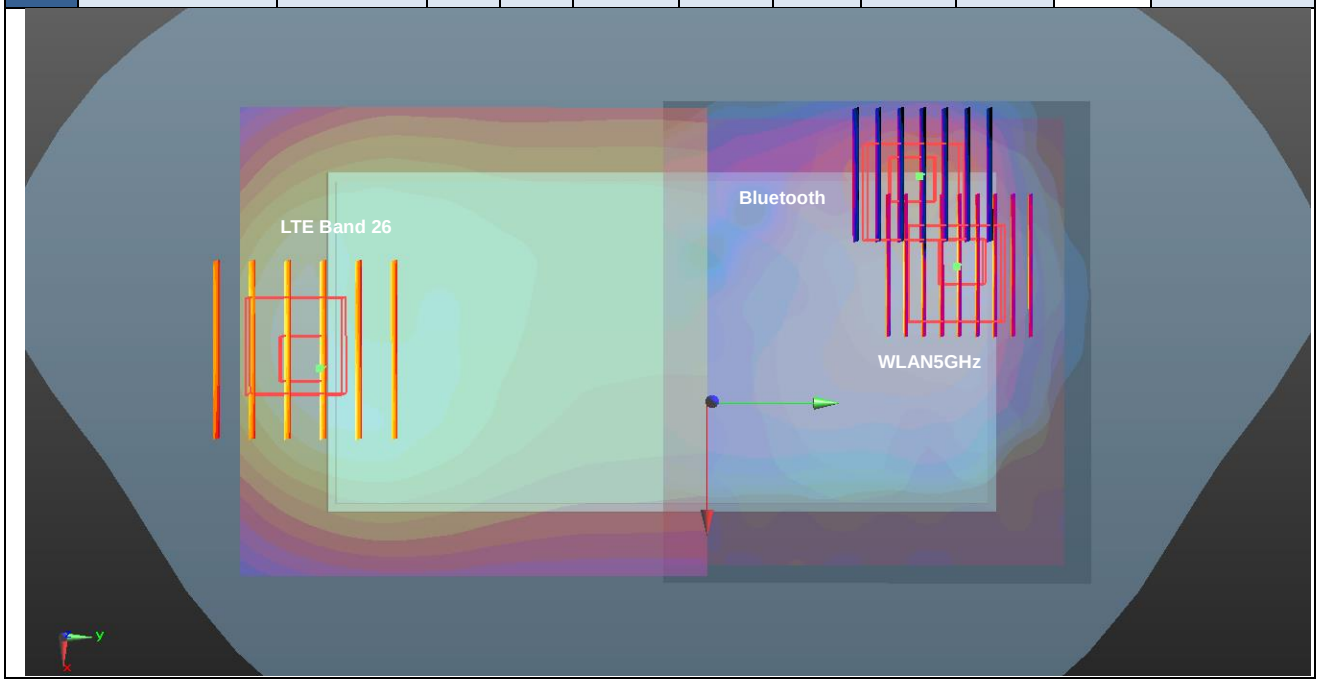
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #18	LTE Band 13	Back	0.569	5	9.1	-77	-1.69	141.1	1.78	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 13	Back	0.569	5	9.1	-77	-1.69	146.4	1.78	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



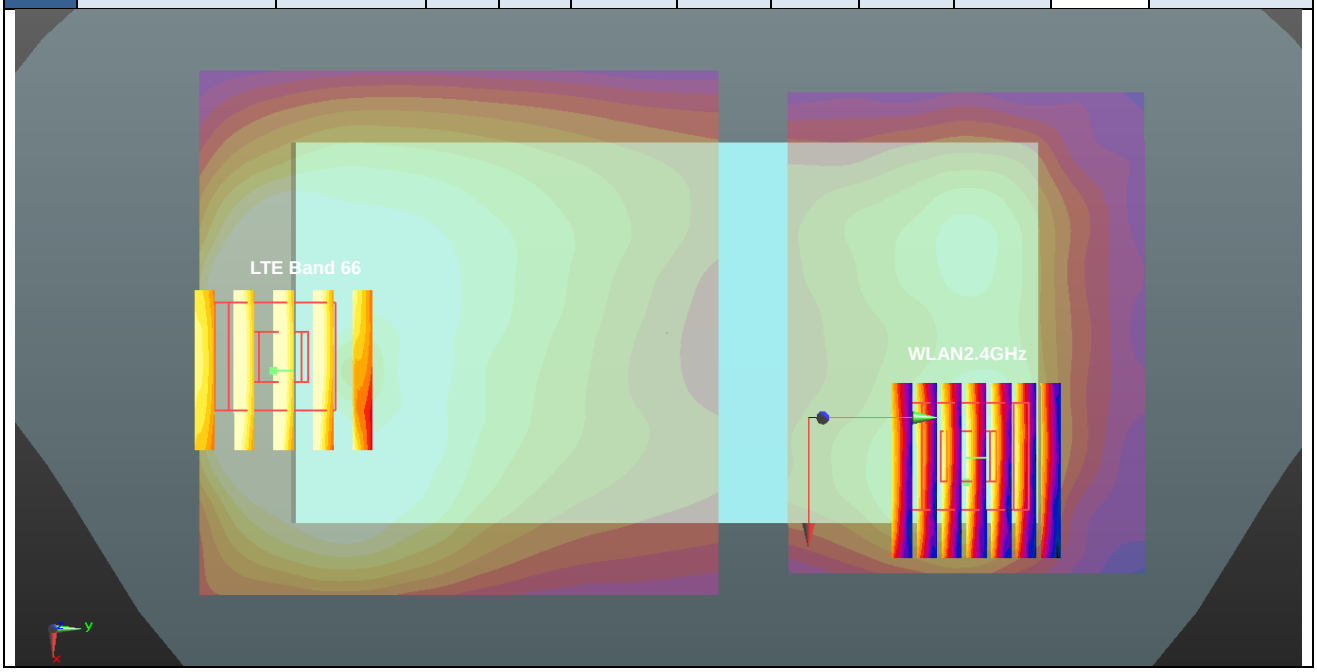
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #19	LTE Band 14	Back	0.615	5	9.1	-77	-1.69	141.1	1.83	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 14	Back	0.615	5	9.1	-77	-1.69	146.4	1.83	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



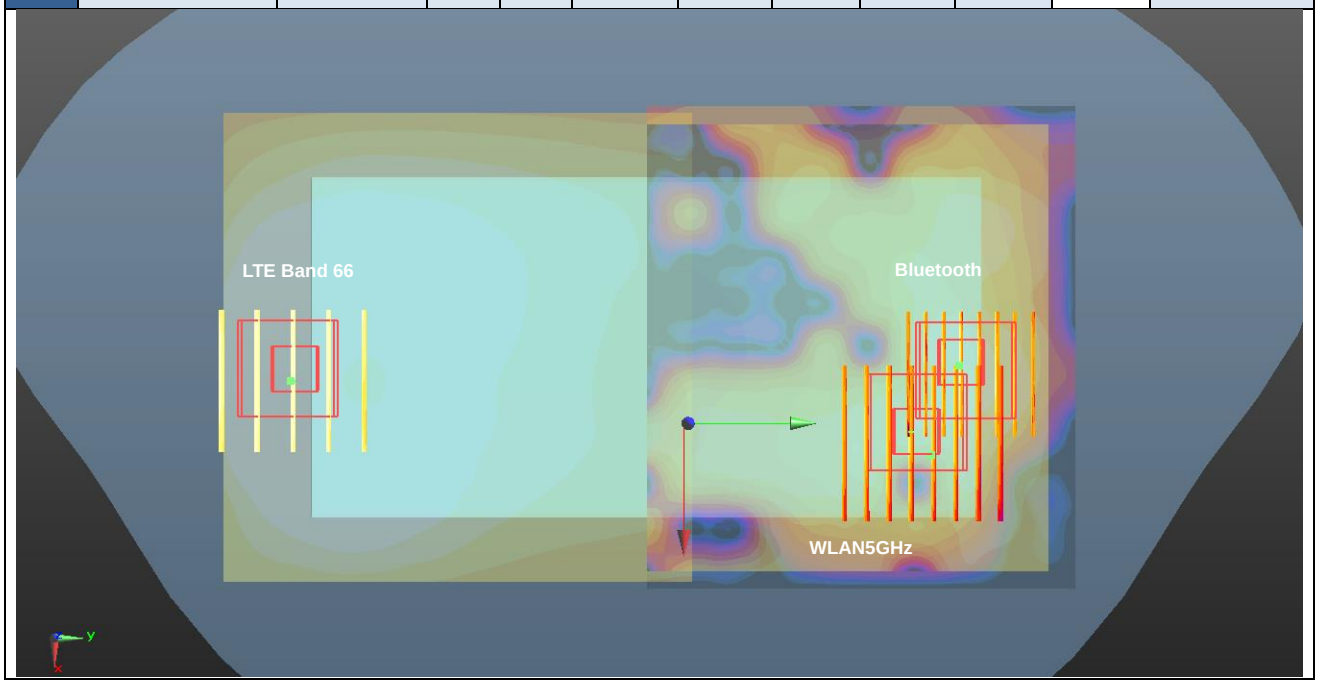
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #21	LTE Band 26	Back	1.139	5	7.6	-78.6	-1.51	142.1	2.35	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 26	Back	1.139	5	7.6	-78.6	-1.51	147.7	2.35	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



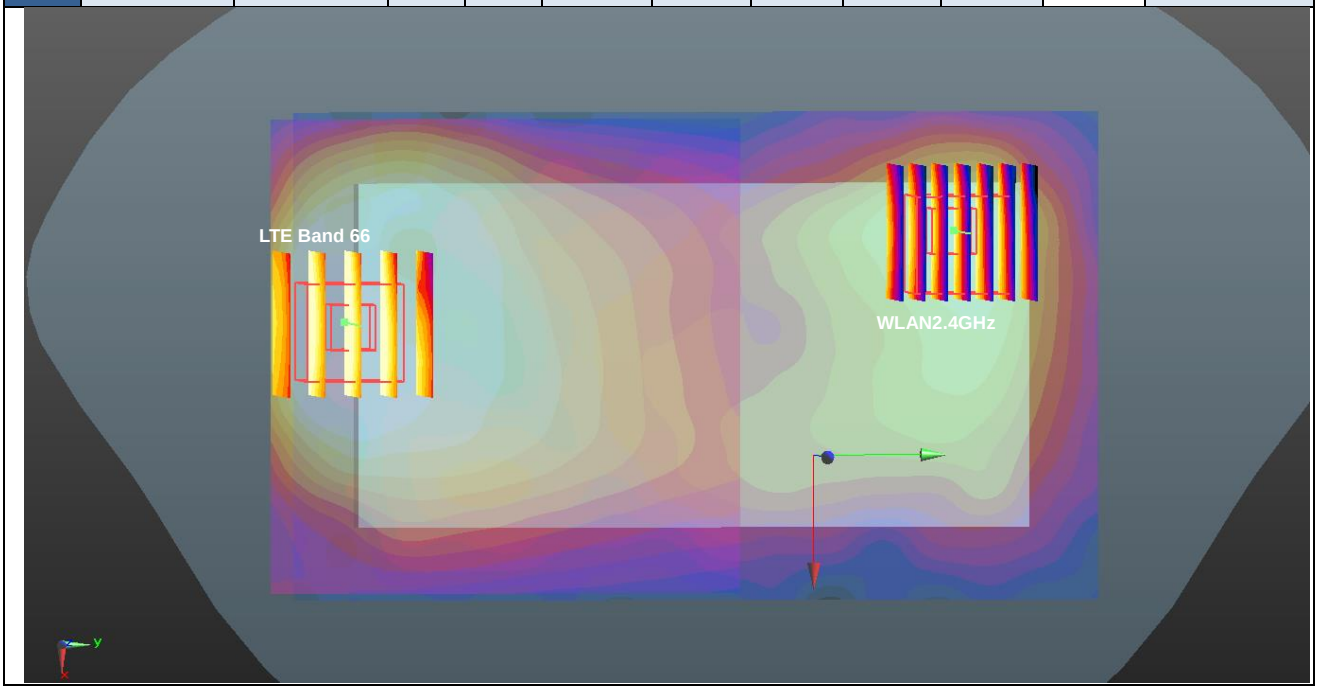
Case #22	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66	Front	1.393	5	4.3	-78.4	-1.32	140.1	1.64	0.01	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



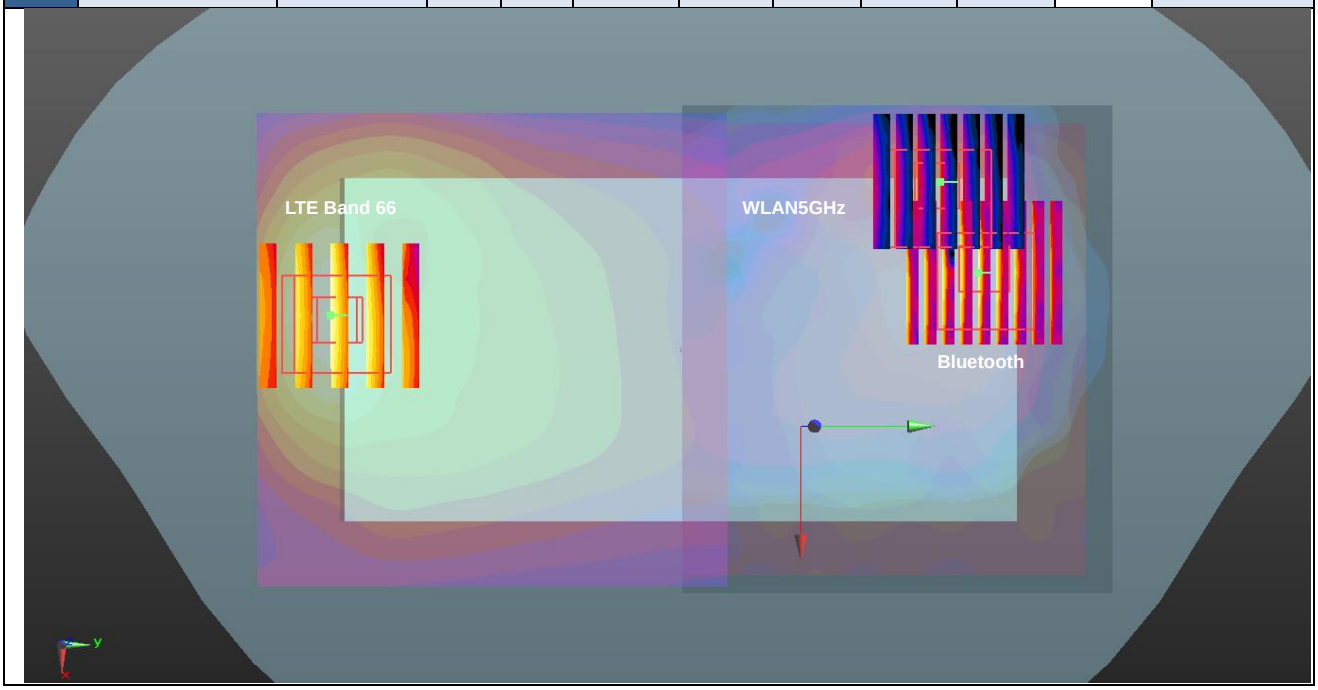
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #23	LTE Band 66	Front	1.393	5	4.3	-78.4	-1.32	140.1	1.60	0.01	Not required
	WLAN5GHz		0.148	5	4.8	70	-1.16				
	Bluetooth		0.059	5	22	60.6	-1.36				
	LTE Band 66	Front	1.393	5	4.3	-78.4	-1.32	148.4	1.60	0.01	Not required
	Bluetooth		0.059	5	22	60.6	-1.36				
	WLAN5GHz		0.148	5	4.8	70	-1.16				



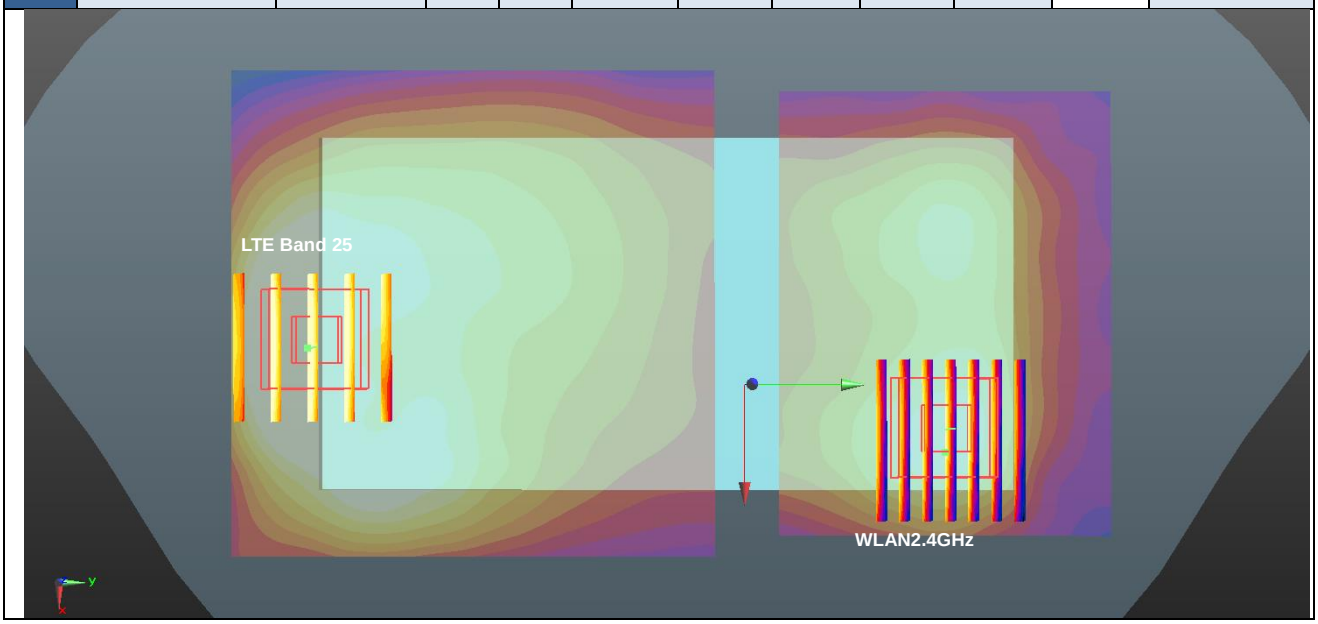
Case #24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 66	Back	1.382	5	-7.5	-76.9	-1.36	136.1	1.84	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



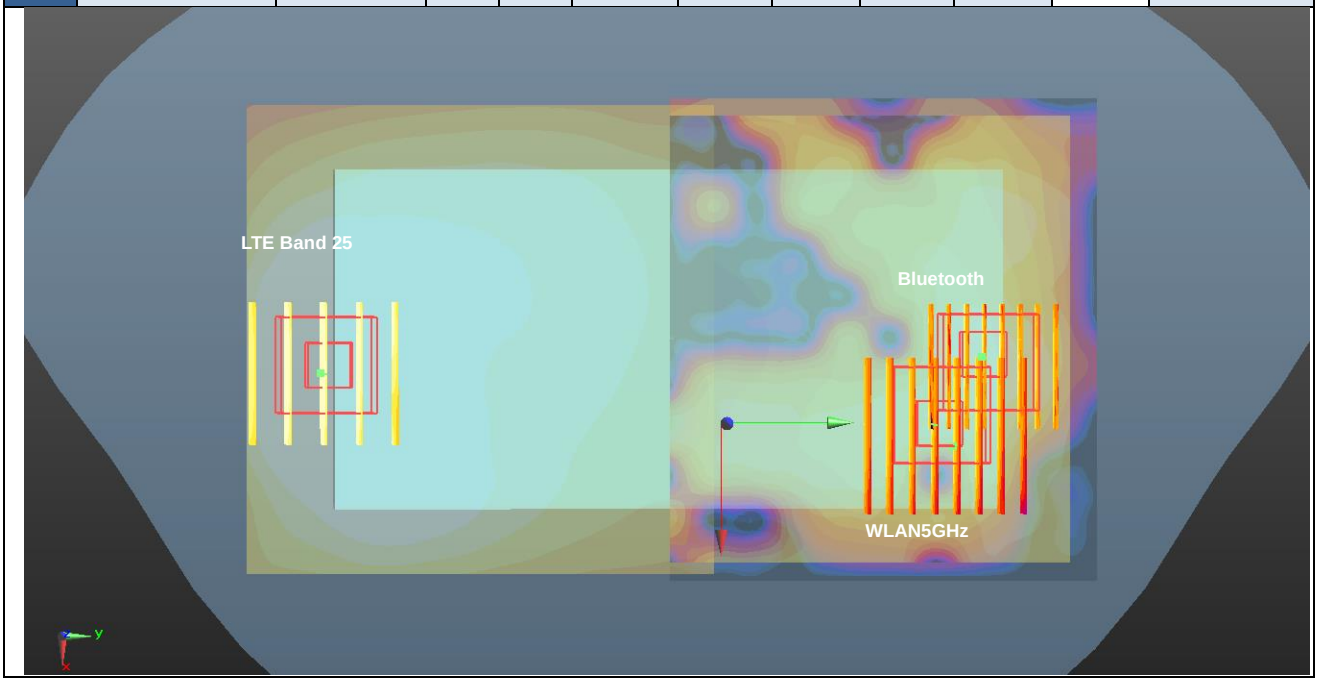
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #25	LTE Band 66	Back	1.382	5	-7.5	-76.9	-1.36	136.6	2.60	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 66	Back	1.382	5	-7.5	-76.9	-1.36	144.1	2.60	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



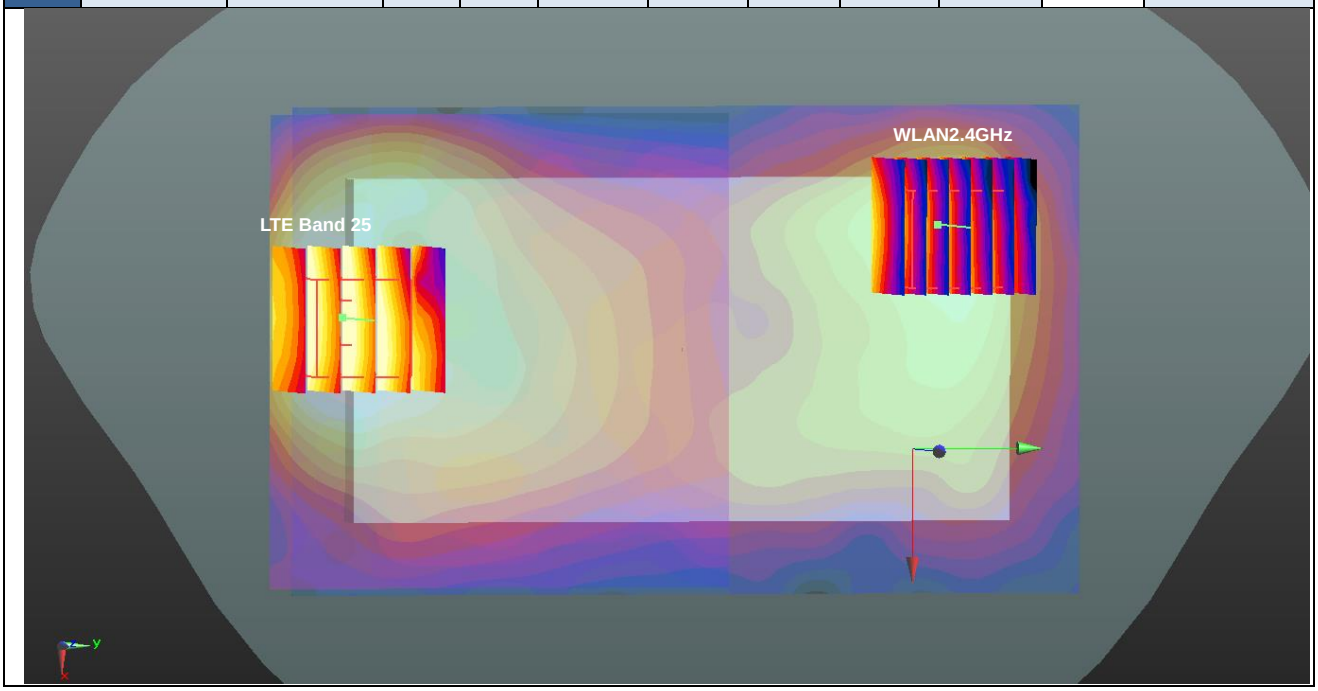
Case #26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25	Front	1.396	5	5.9	-76.9	-1.2	138.4	1.64	0.02	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



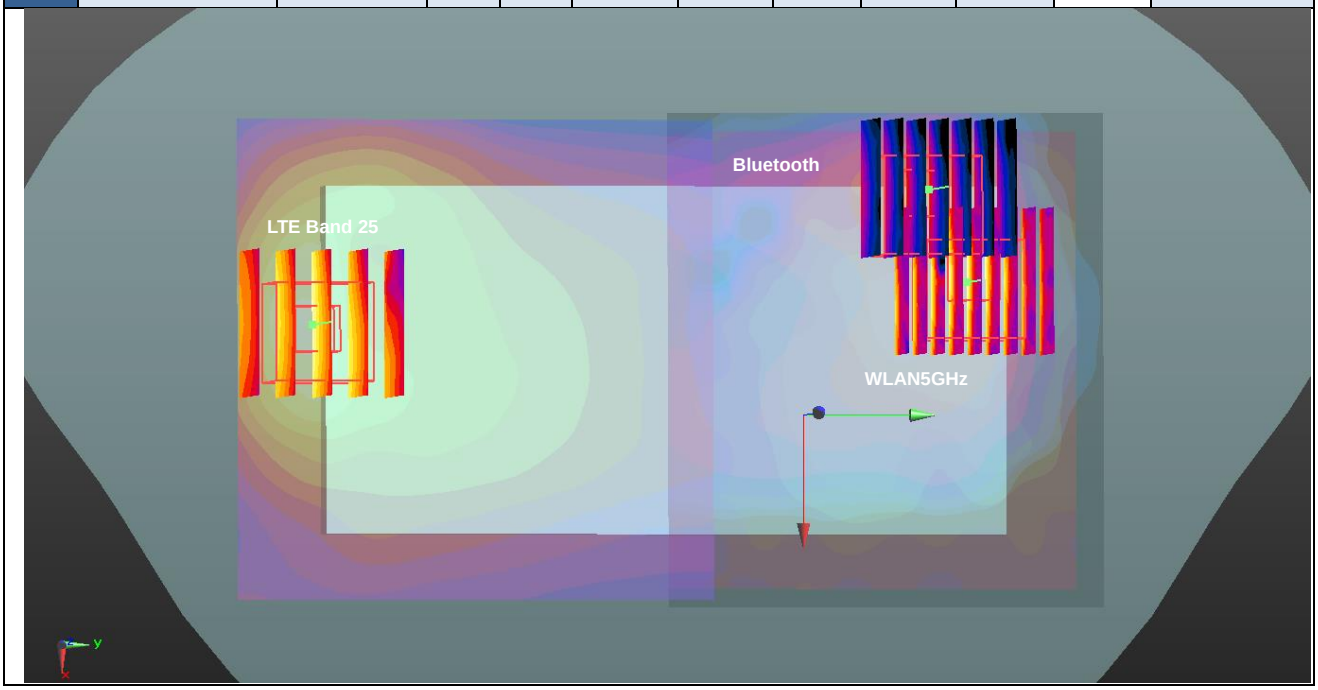
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #27	LTE Band 25	Front	1.396	5	5.9	-76.9	-1.2	138.4	1.60	0.01	Not required
	WLAN5GHz		0.148	5	4.8	70	-1.16				
	Bluetooth		0.059	5	22	60.6	-1.36				
	LTE Band 25	Front	1.396	5	5.9	-76.9	-1.2	146.9	1.60	0.01	Not required
	Bluetooth		0.059	5	22	60.6	-1.36				
	WLAN5GHz		0.148	5	4.8	70	-1.16				



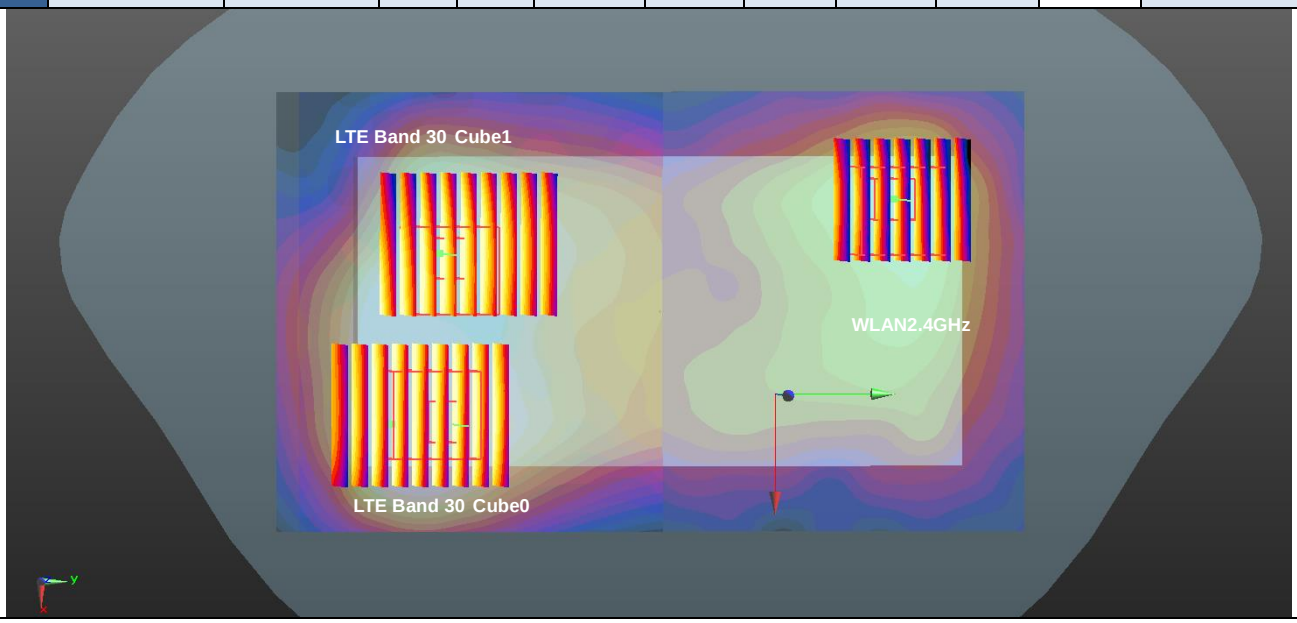
Case #28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25	Back	1.360	5	-7.5	-78.5	-1.33	137.7	1.81	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



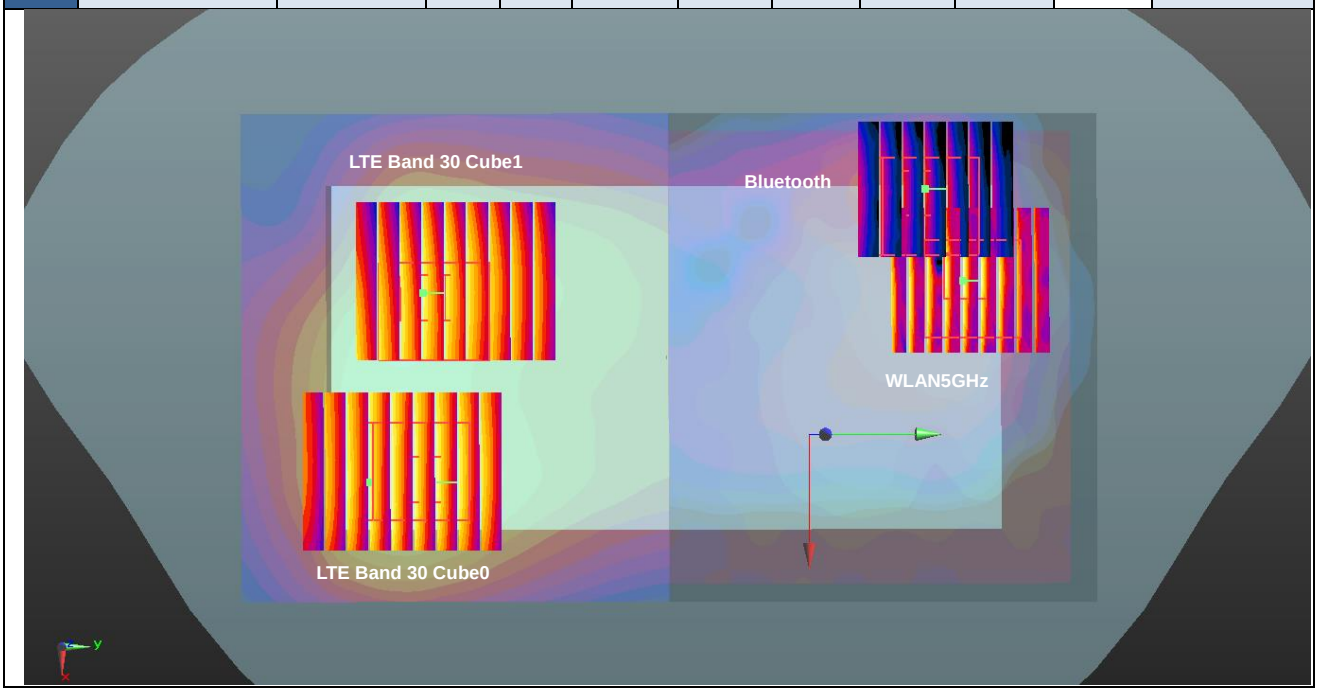
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #29	LTE Band 25	Back	1.360	5	-7.5	-78.5	-1.33	138.1	2.57	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 25	Back	1.360	5	-7.5	-78.5	-1.33	145.7	2.57	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



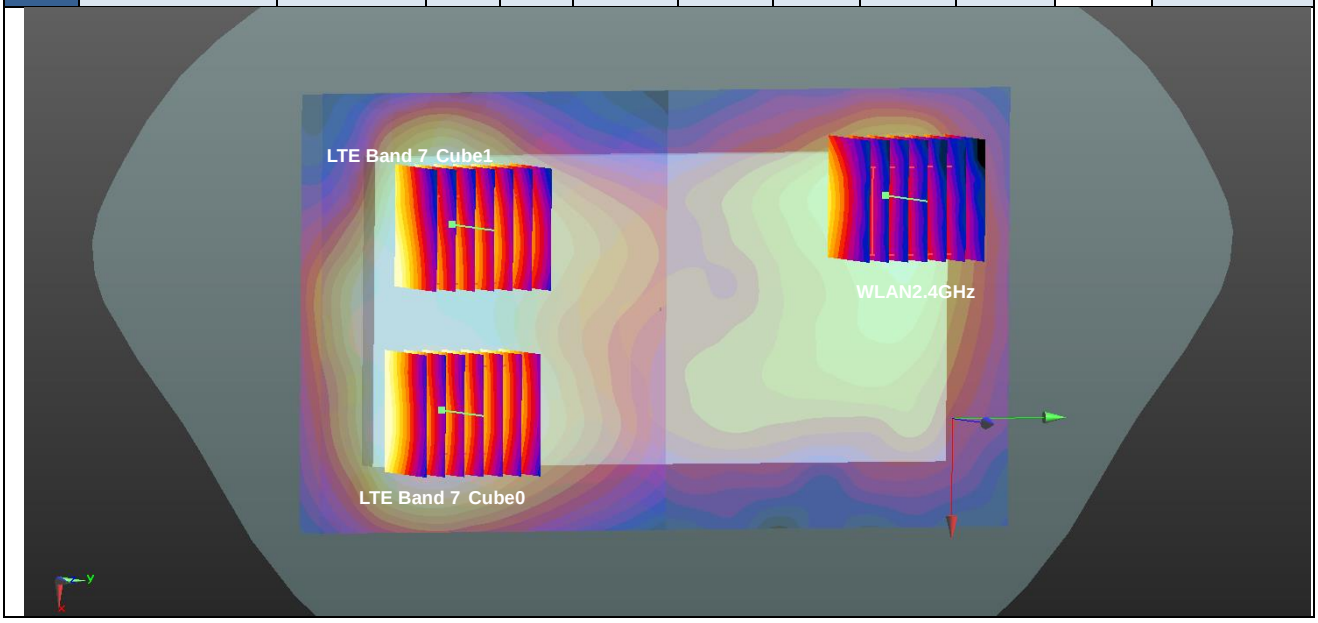
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #30	LTE Band 30 Cube0	Back	1.266	5	29.6	-54.2	-1.54	126.0	1.72	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				
	LTE Band 30 Cube1	Back	0.95	5	-14.4	-56.2	-1.79	114.7	1.40	0.01	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



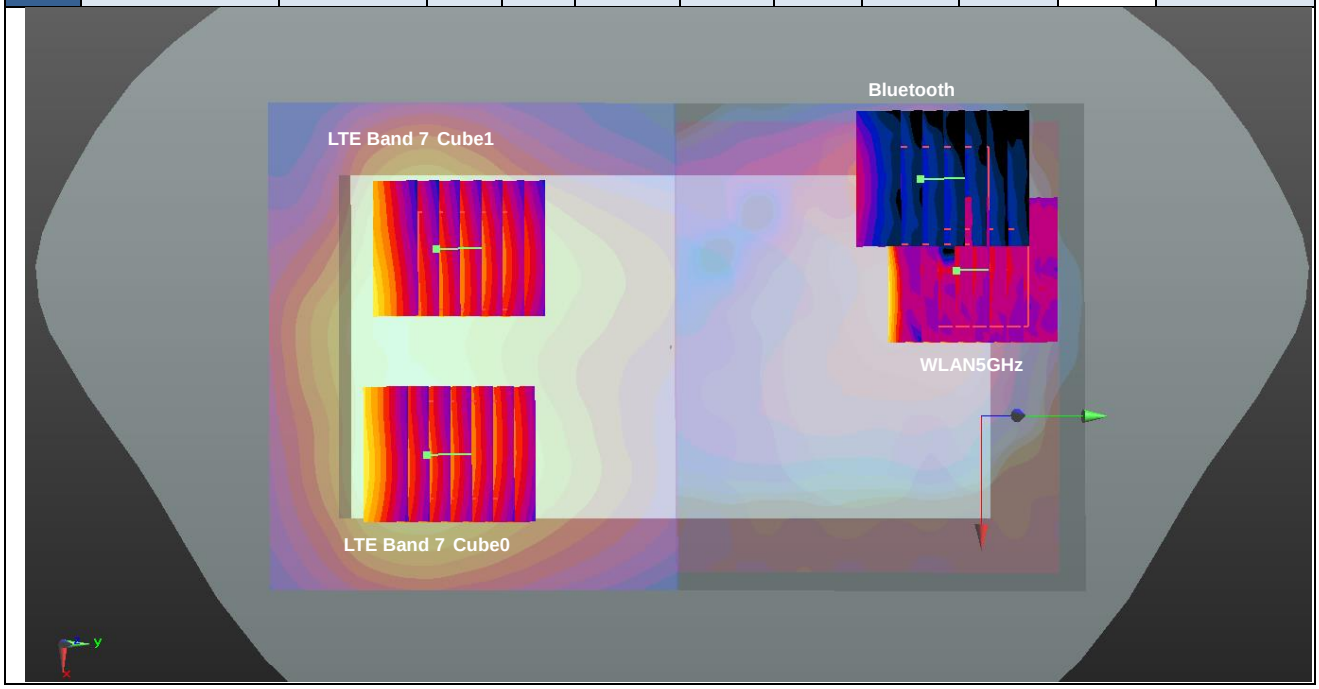
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #31	LTE Band 30 Cube0	Back	1.266	5	29.6	-54.2	-1.54	128.9	2.48	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 30 Cube0	Back	1.266	5	29.6	-54.2	-1.54	130.2	2.48	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	LTE Band 30 Cube1	Back	0.95	5	-14.4	-56.2	-1.79	114.9	2.16	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 30 Cube1	Back	0.95	5	-14.4	-56.2	-1.79	123.1	2.16	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



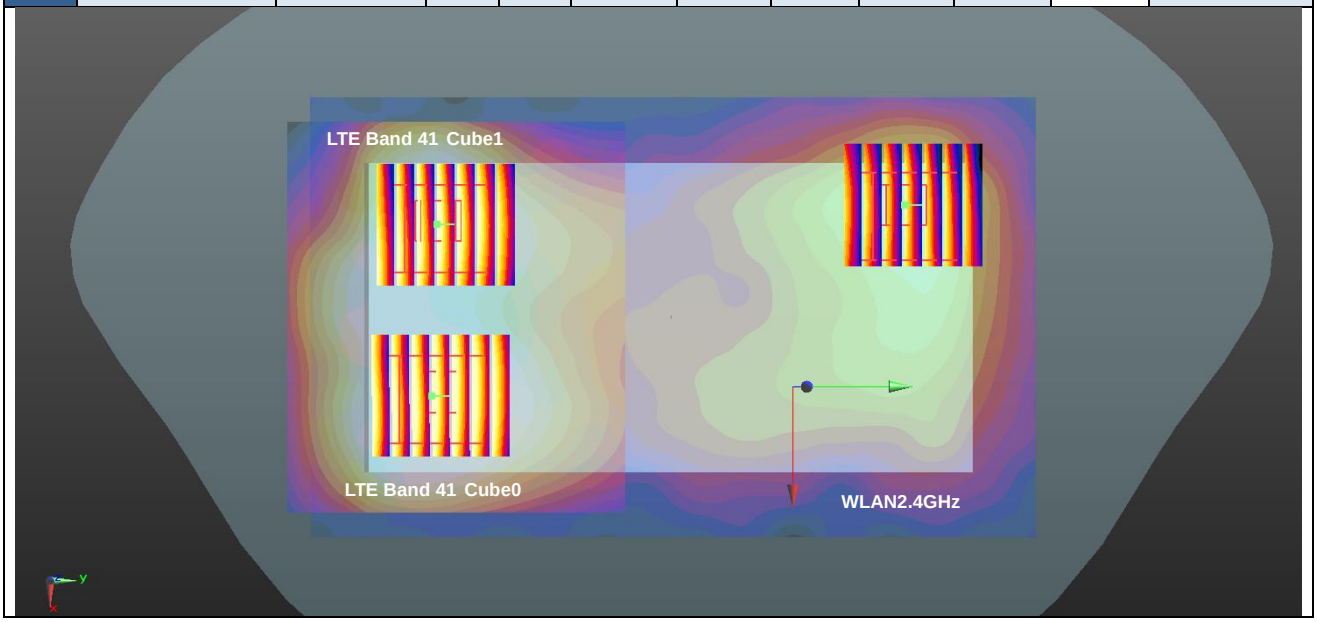
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #32	LTE Band 7 Cube0	Back	1.396	5	21	-56.8	-1.61	124.7	1.85	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				
	LTE Band 7 Cube1	Back	1.162	5	-21.6	-57.4	-1.75	115.2	1.62	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



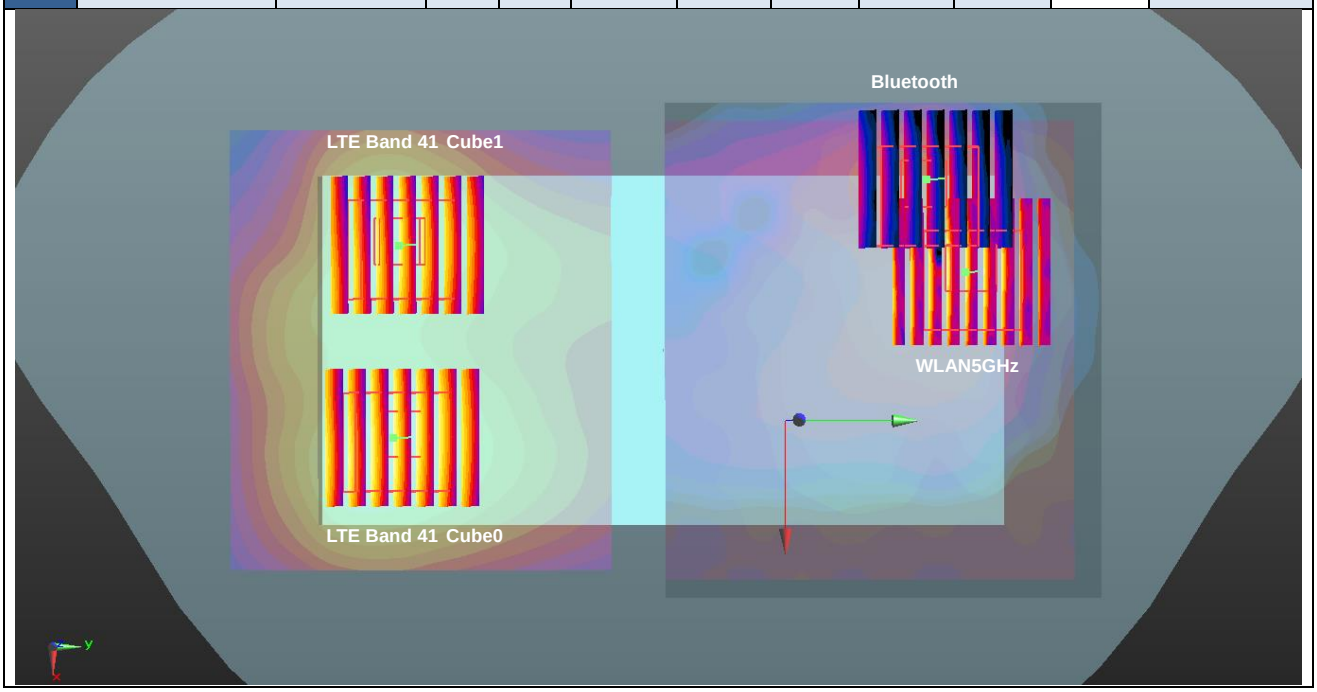
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #33	LTE Band 7 Cube0	Back	1.396	5	21	-56.8	-1.61	127.0	2.61	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 7 Cube0	Back	1.396	5	21	-56.8	-1.61	129.8	2.61	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	LTE Band 7 Cube1	Back	1.162	5	-21.6	-57.4	-1.75	114.9	2.38	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 7 Cube1	Back	1.162	5	-21.6	-57.4	-1.75	124.2	2.38	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



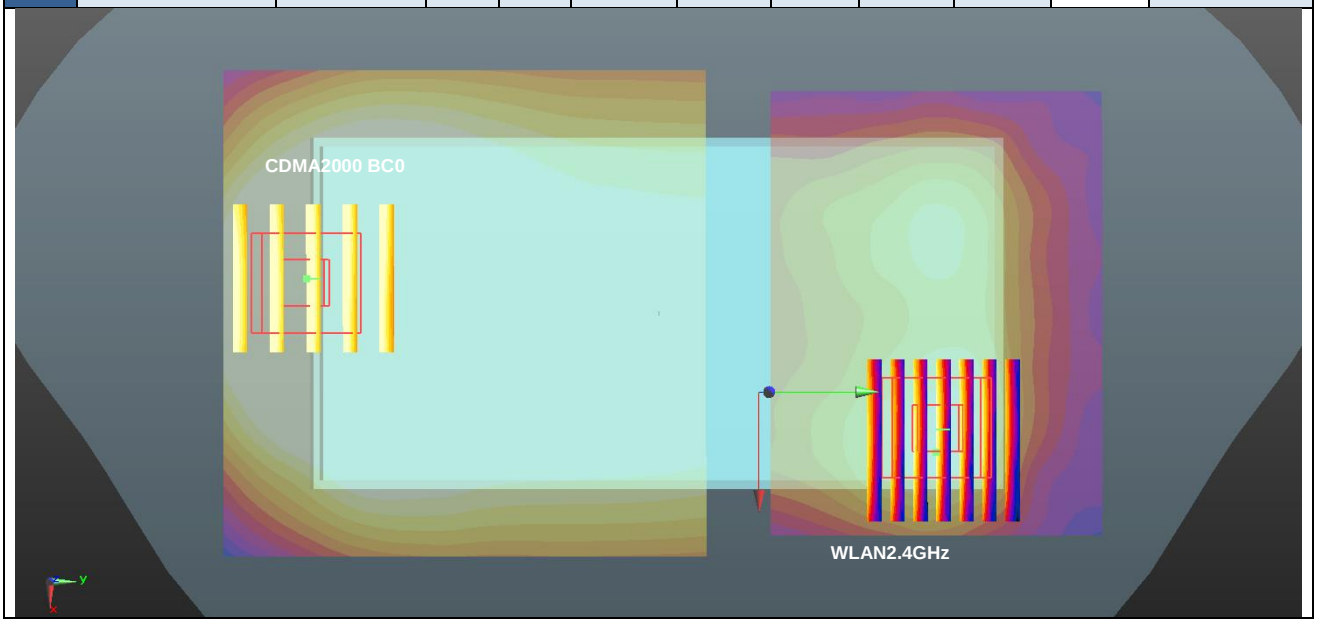
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #34	LTE Band 41 Cube0	Back	1.390	5	18.2	-60	-1.65	126.6	1.84	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				
	LTE Band 41 Cube1	Back	1.07	5	-24.8	-59.8	-1.74	117.5	1.52	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



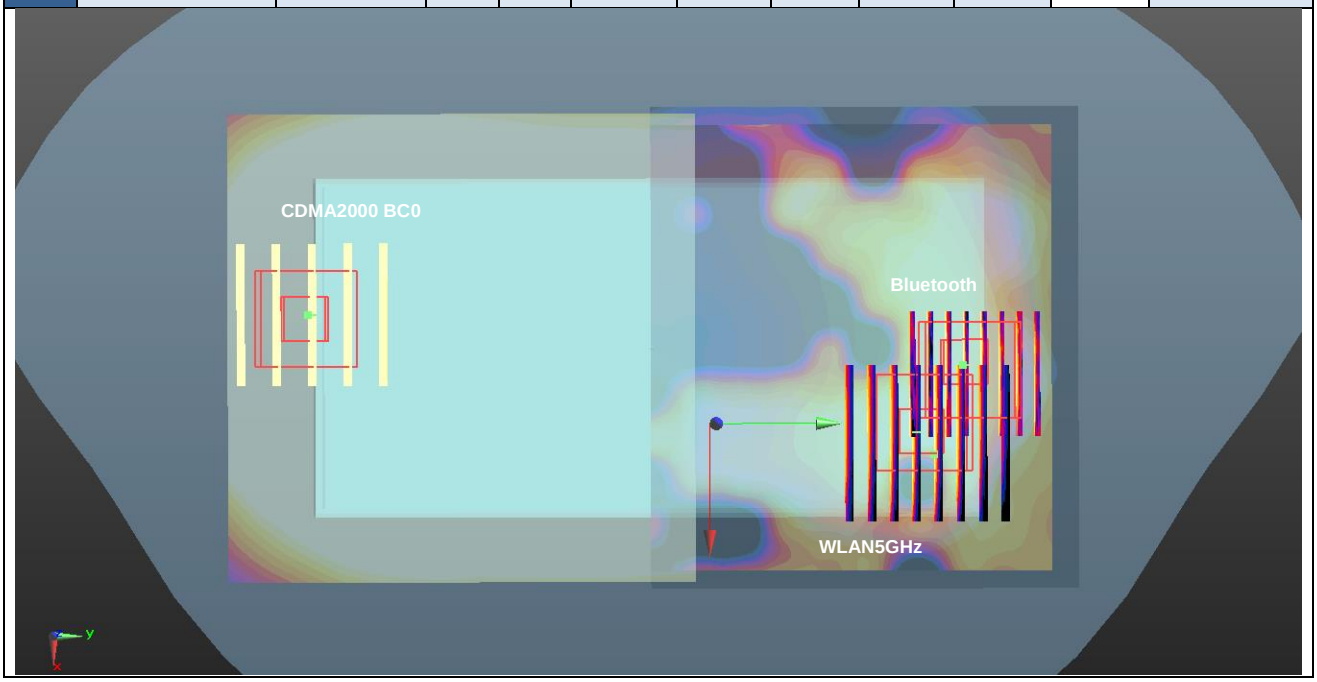
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #35	LTE Band 41 Cube0	Back	1.390	5	18.2	-60	-1.65	128.7	2.60	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 41 Cube0	Back	1.390	5	18.2	-60	-1.65	132.0	2.60	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	LTE Band 41 Cube1	Back	1.07	5	-24.8	-59.8	-1.74	117.0	2.28	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	LTE Band 41 Cube1	Back	1.07	5	-24.8	-59.8	-1.74	126.8	2.28	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



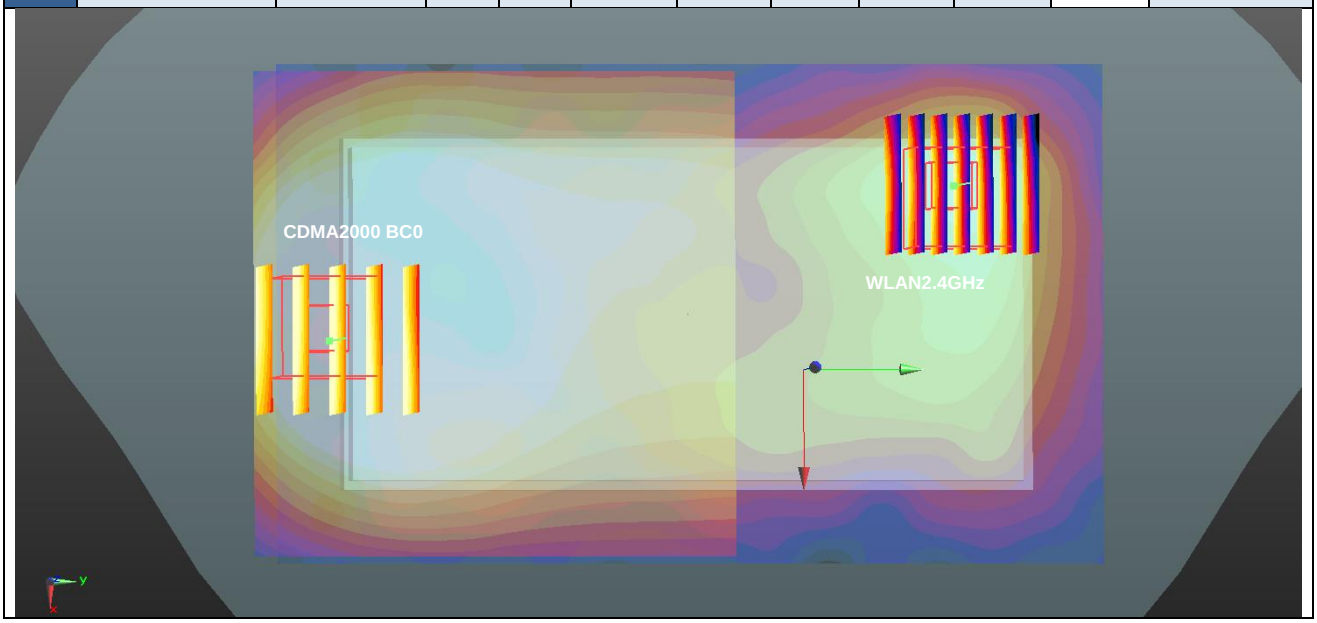
Case #36	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA2000 BC0	Front	1.391	5	-7.5	-77	-1.79	141.0	1.64	0.01	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



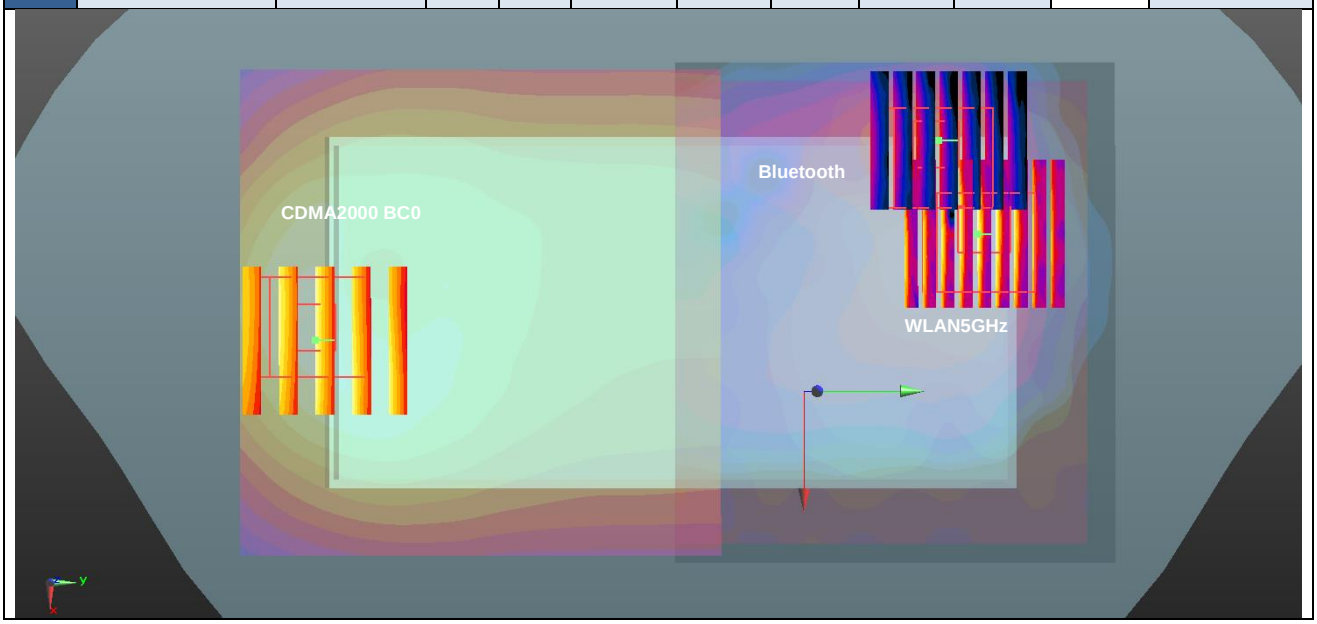
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #37	CDMA2000 BC0	Front	1.391	5	-7.5	-77	-1.79	140.7	1.60	0.01	Not required
	WLAN5GHz		0.148	5	4.8	70	-1.16				
	Bluetooth		0.059	5	22	60.6	-1.36				
	CDMA2000 BC0	Front	1.391	5	-7.5	-77	-1.79	147.5	1.60	0.01	Not required
	Bluetooth		0.059	5	22	60.6	-1.36				
	WLAN5GHz		0.148	5	4.8	70	-1.16				



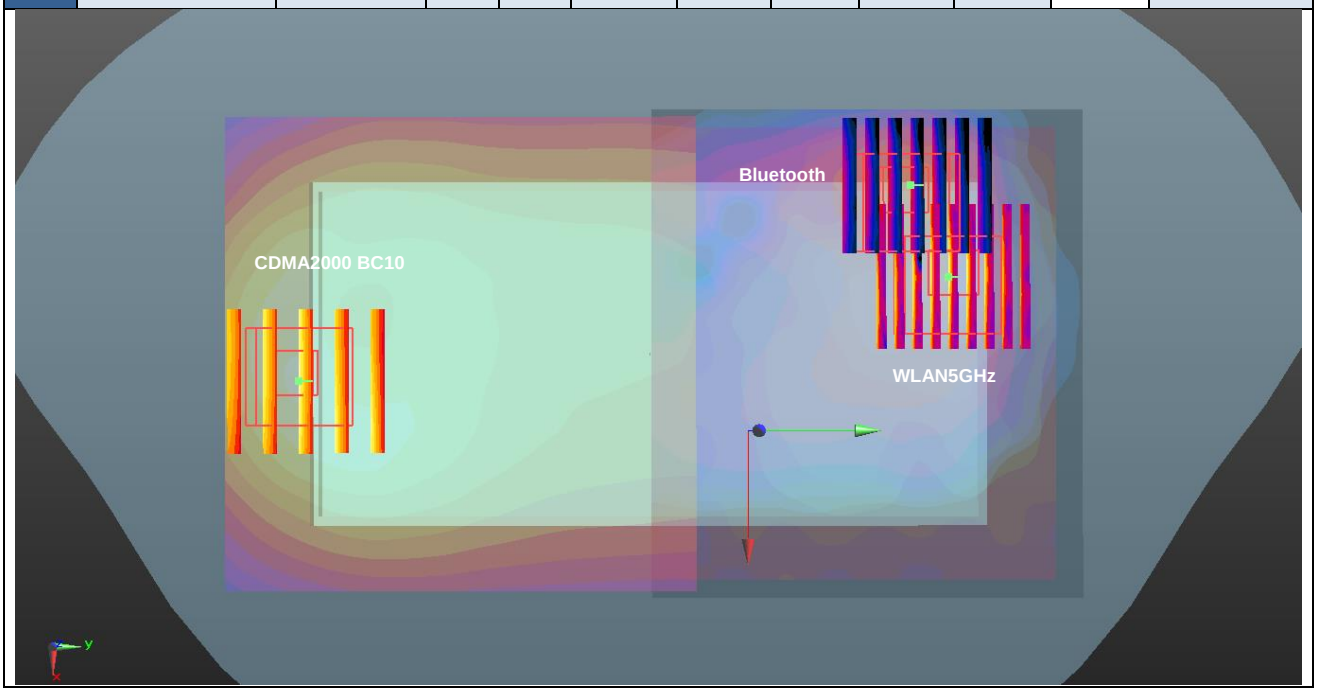
Case #38	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	CDMA2000 BC0	Back	1.291	5	6	-78.5	-1.74	140.4	1.74	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



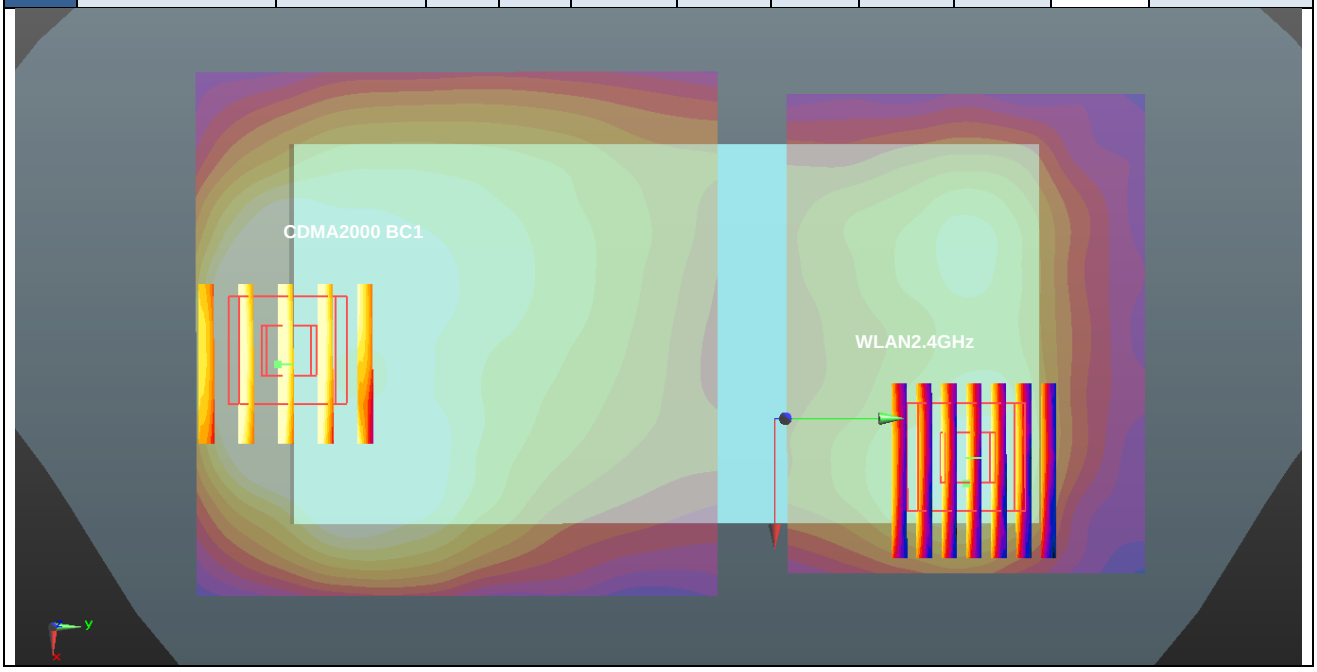
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #39	CDMA2000 BC0	Back	1.291	5	6	-78.5	-1.74	141.5	2.50	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	CDMA2000 BC0	Back	1.291	5	6	-78.5	-1.74	147.4	2.50	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



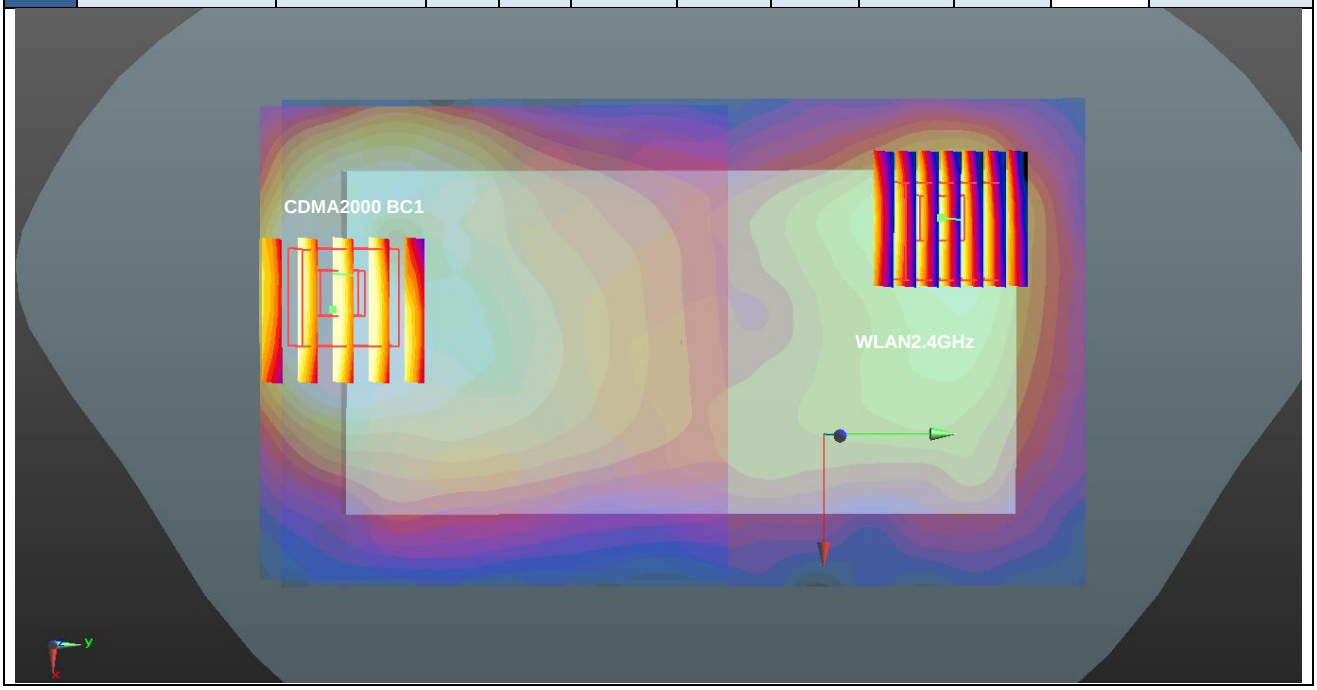
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #40	CDMA2000 BC10	Back	0.964	5	6	-78.5	-1.74	141.5	2.18	0.02	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	CDMA2000 BC10	Back	0.964	5	6	-78.5	-1.74	147.4	2.18	0.02	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



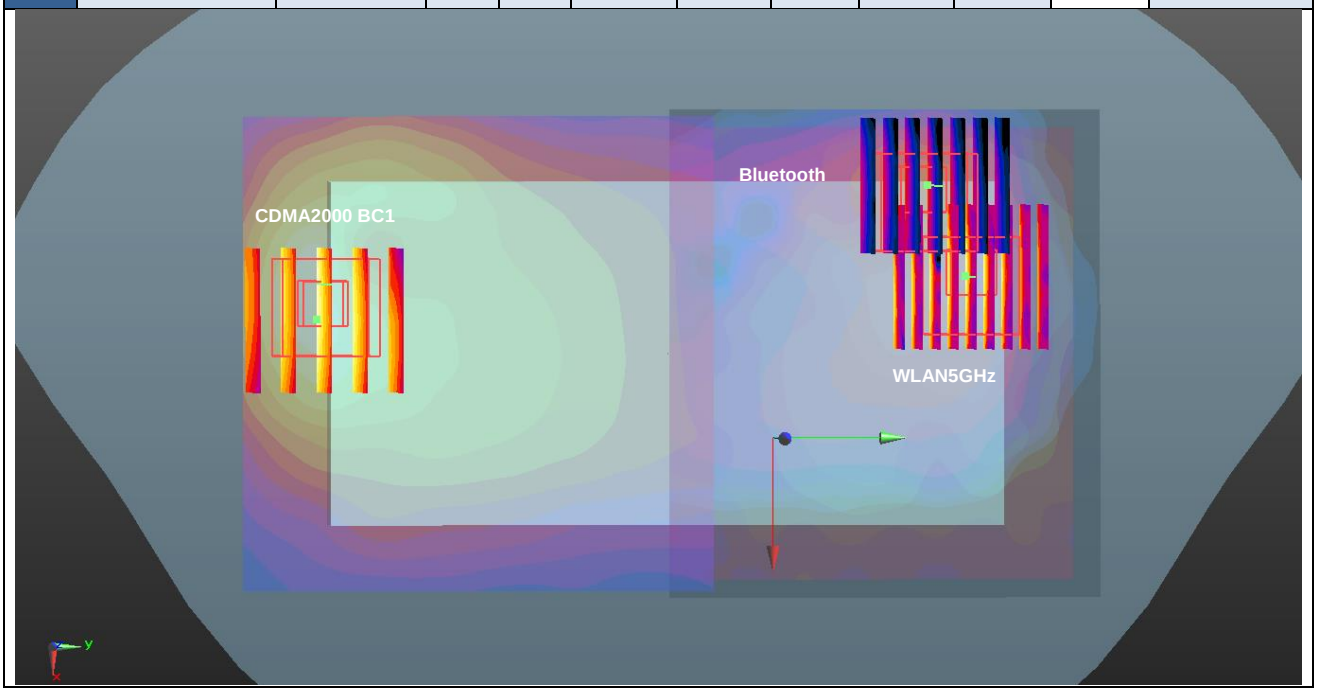
Case #41	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Front	1.371	5	2.8	-76.9	-1.31	138.9	1.62	0.01	Not required
	WLAN2.4GHz		0.245	5	26	60	-1.58				



Case #42	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	1.3	5	-12.3	-76.9	-1.39	135.5	1.75	0.02	Not required
	WLAN2.4GHz		0.453	5	-28.6	57.6	-1.67				



	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm) X	Y	Z	3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
Case #43	CDMA2000 BC1	Back	1.3	5	-12.3	-76.9	-1.39	135.6	2.51	0.03	Not required
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	CDMA2000 BC1	Back	1.3	5	-12.3	-76.9	-1.39	143.8	2.51	0.03	Not required
	Bluetooth		0.094	5	-36.2	56.6	-1.75				
	WLAN5GHz		1.119	5	-18.6	66.8	-1.32				



17. Supplemental Tuner Tests Results

General Note:

1. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
2. To evaluate all of the tuner states, the 144 tuner states are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination. The bands which are dynamically tuned are split into two separate antennas, so each antenna system will have its own test plan to cover the corresponding 144 tuner states.
3. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

17.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix C.

Test Engineer: Nick Hu

18. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be ≤ 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

19. References

[1] FCC 47 CFR Part 2 “Frequency Allocations and Radio Treaty Matters; General Rules and Regulations”

[2] ANSI/IEEE Std. C95.1-1992, “IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz”, September 1992

[3] IEEE Std. 1528-2013, “IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques”, Sep 2013

[4] SPEAG DASY System Handbook

[5] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.

[6] FCC KDB 865664 D02 v01r02, “RF Exposure Compliance Reporting and Documentation Considerations” Oct 2015.

[7] FCC KDB 447498 D01 v06, “Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies”, Oct 2015

[8] FCC KDB 648474 D04 v01r03, “SAR Evaluation Considerations for Wireless Handsets”, Oct 2015.

[9] FCC KDB 248227 D01 v02r02, “SAR Guidance for IEEE 802.11 (WiFi) Transmitters”, Oct 2015.

[10] FCC KDB 616217 D04 v01r02, “SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers”, Oct 2015

[11] FCC KDB 941225 D01 v03r01, “3G SAR MEAUREMENT PROCEDURES”, Oct 2015

[12] FCC KDB 941225 D05 v02r05, “SAR Evaluation Considerations for LTE Devices”, Dec 2015

[13] FCC KDB 941225 D05A v01r02, “Rel. 10 LTE SAR Test Guidance and KDB Inquiries”, Oct 2015

[14] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

Appendix A. Plots of System Performance Check

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.2

System Check_Head_750MHz

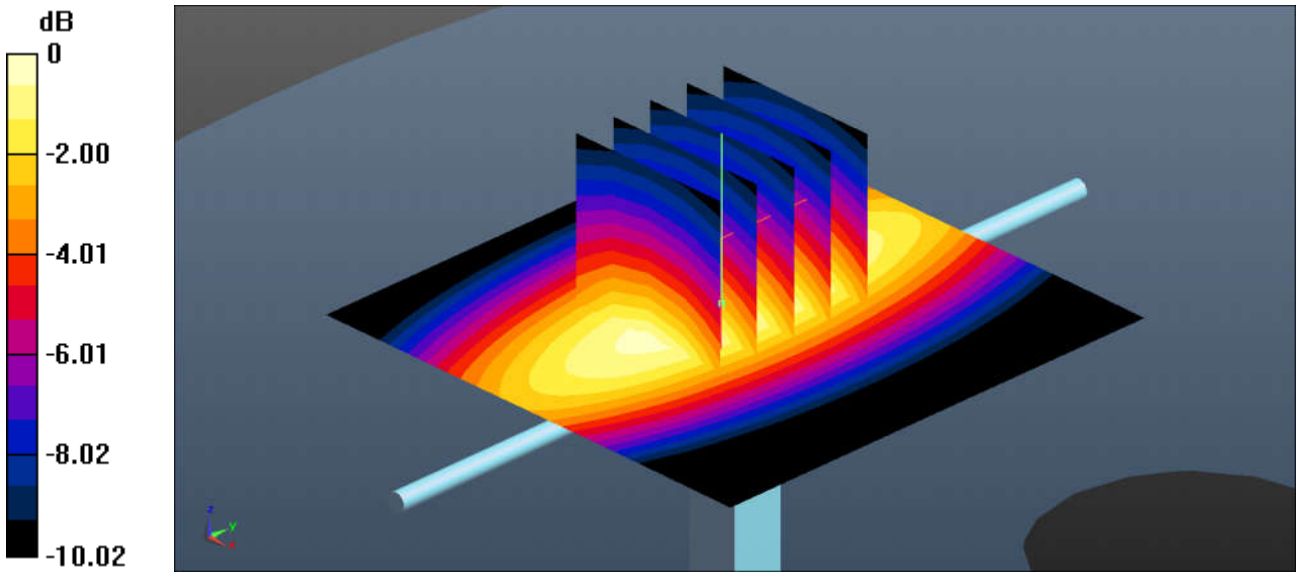
DUT: D750V3 - SN:1065

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750 Medium parameters used: f = 750 MHz; σ = 0.903 S/m; ε_r = 42.105; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.68, 10.68, 10.68); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.74 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.41 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.25 W/kg
SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.46 W/kg
Maximum value of SAR (measured) = 2.76 W/kg



0 dB = 2.76 W/kg = 4.41 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.3

System Check_Head_835MHz

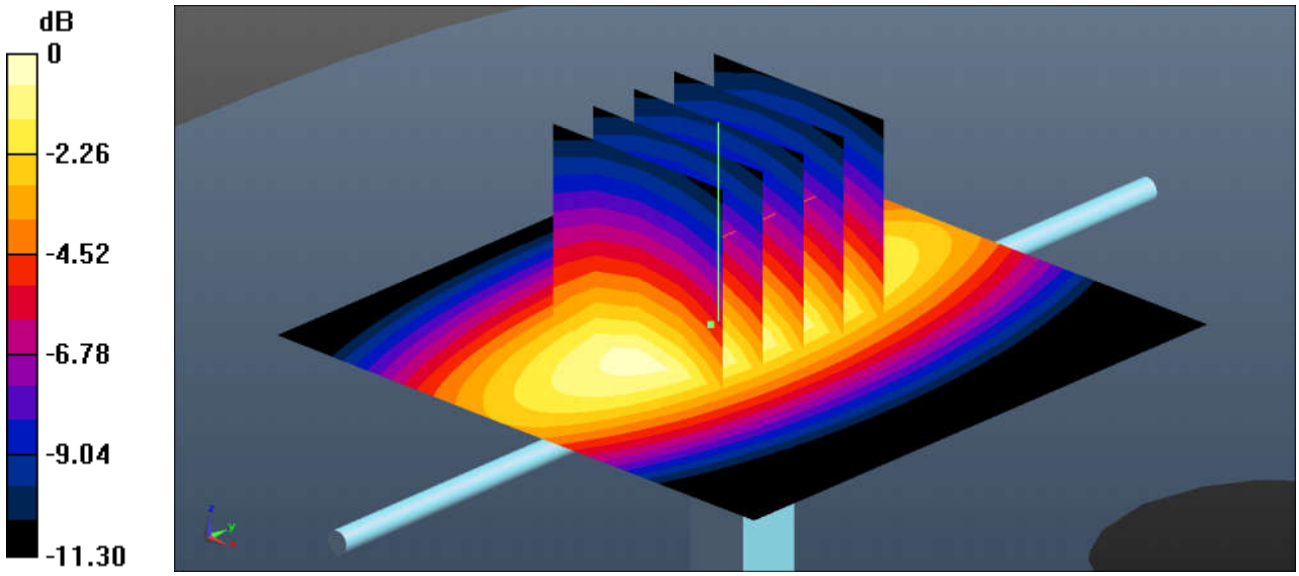
DUT: D835V2 - SN:4d091

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850 Medium parameters used: f = 835 MHz; σ = 0.908 S/m; ε_r = 42.255; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.36, 10.36, 10.36); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.16 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.04 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.78 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.62 W/kg
Maximum value of SAR (measured) = 3.21 W/kg



0 dB = 3.21 W/kg = 5.07 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.4

System Check_Head_1750MHz

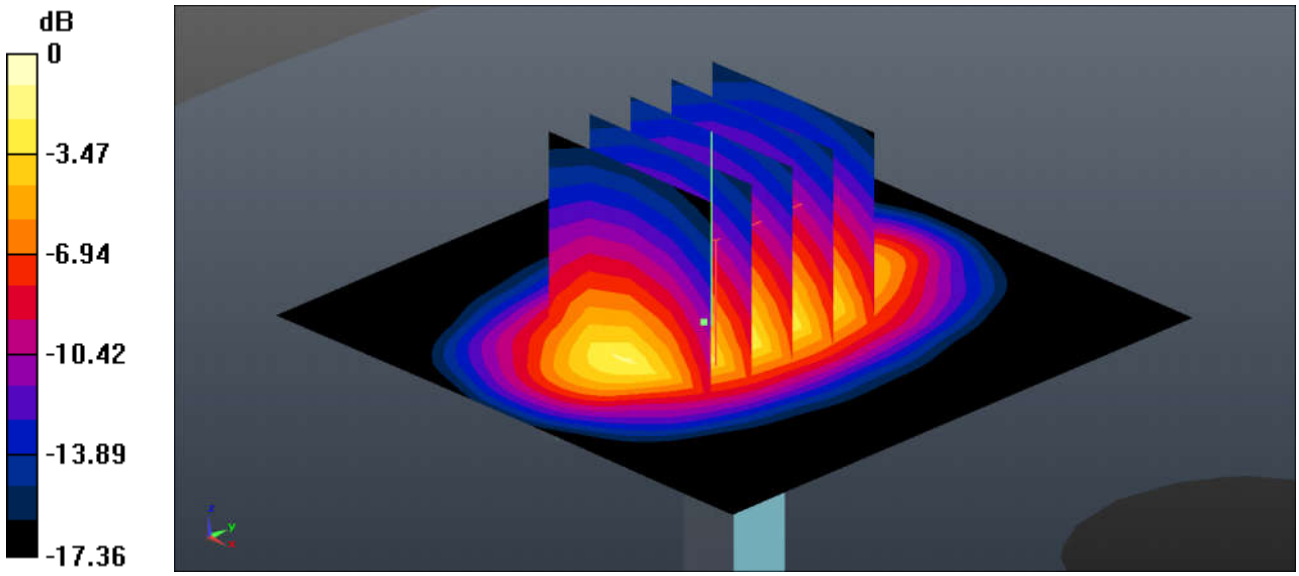
DUT: D1750V2 - SN:1069

Communication System: UID 0, CW; Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: HSL_1750 Medium parameters used: f = 1750 MHz; σ = 1.345 S/m; ε_r = 41.143; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.85, 8.85, 8.85); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.8 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 88.95 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 17.2 W/kg
SAR(1 g) = 9.57 W/kg; SAR(10 g) = 5.08 W/kg
Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.5

System Check_Head_1900MHz

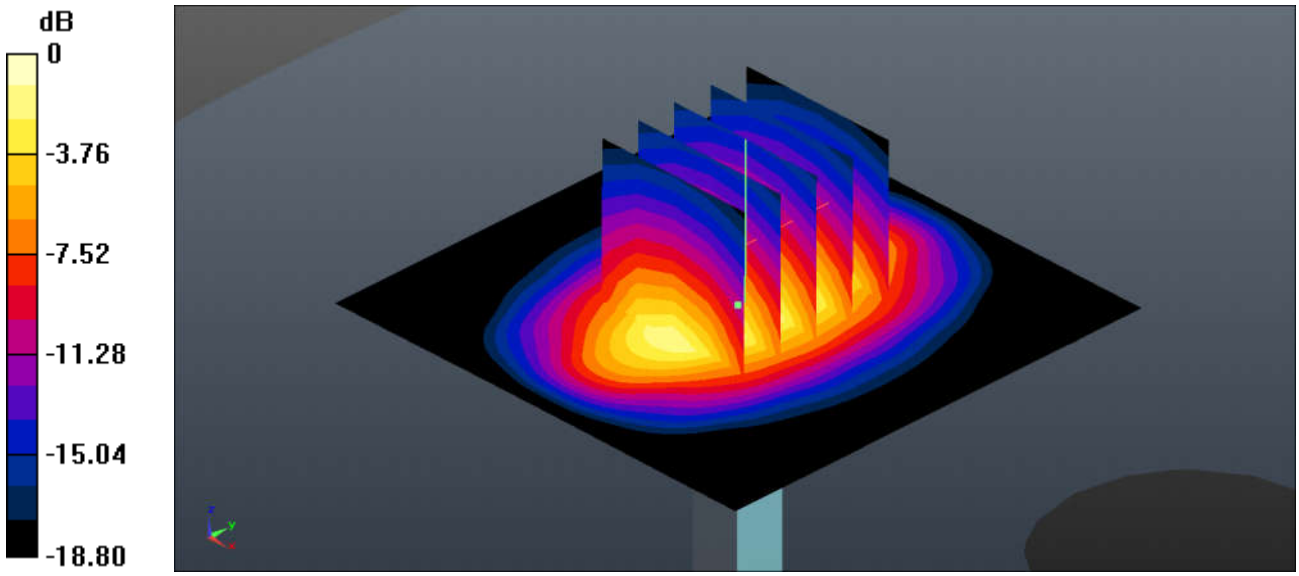
DUT: D1900V2 - SN:5d118

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.424 S/m; ε_r = 39.918; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.41, 8.41, 8.41); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.4 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 88.61 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 9.96 W/kg; SAR(10 g) = 5.06 W/kg
Maximum value of SAR (measured) = 14.5 W/kg



0 dB = 14.5 W/kg = 11.61 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.7

System Check_Head_2300MHz

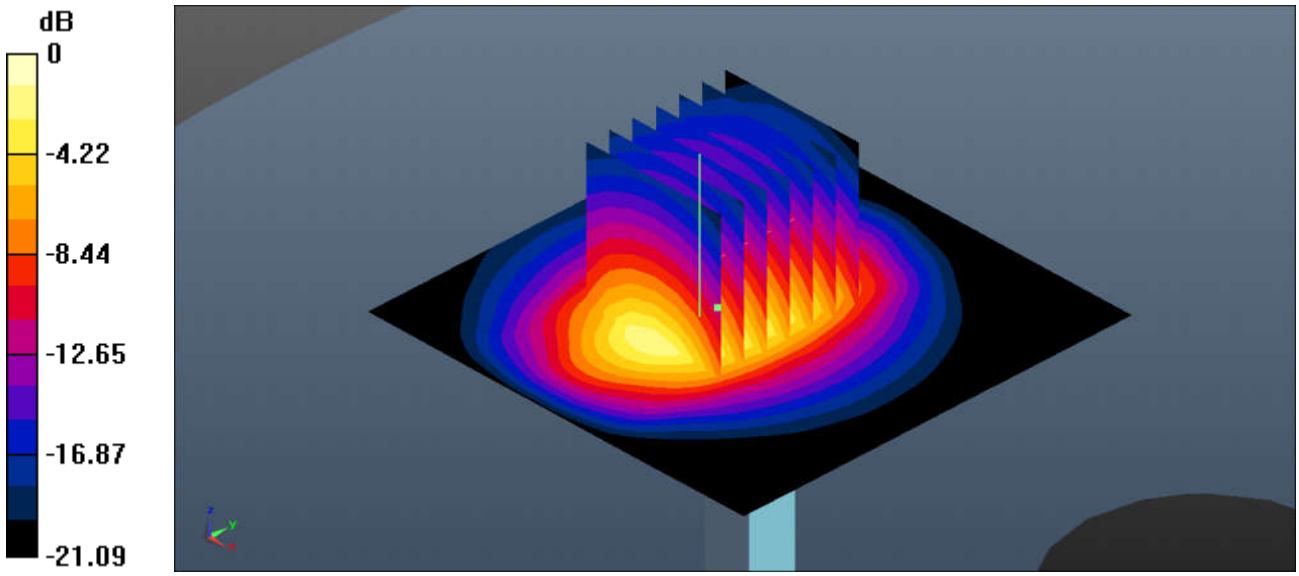
DUT: D2300V2 - SN:1055

Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1
Medium: HSL_2300 Medium parameters used: f = 2300 MHz; σ = 1.694 S/m; ε_r = 39.05; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.39, 8.39, 8.39); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 15.4 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.39 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 23.1 W/kg
SAR(1 g) = 11.5 W/kg; SAR(10 g) = 5.54 W/kg
Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 15.0 W/kg = 11.76 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.8

System Check_Head_2450MHz

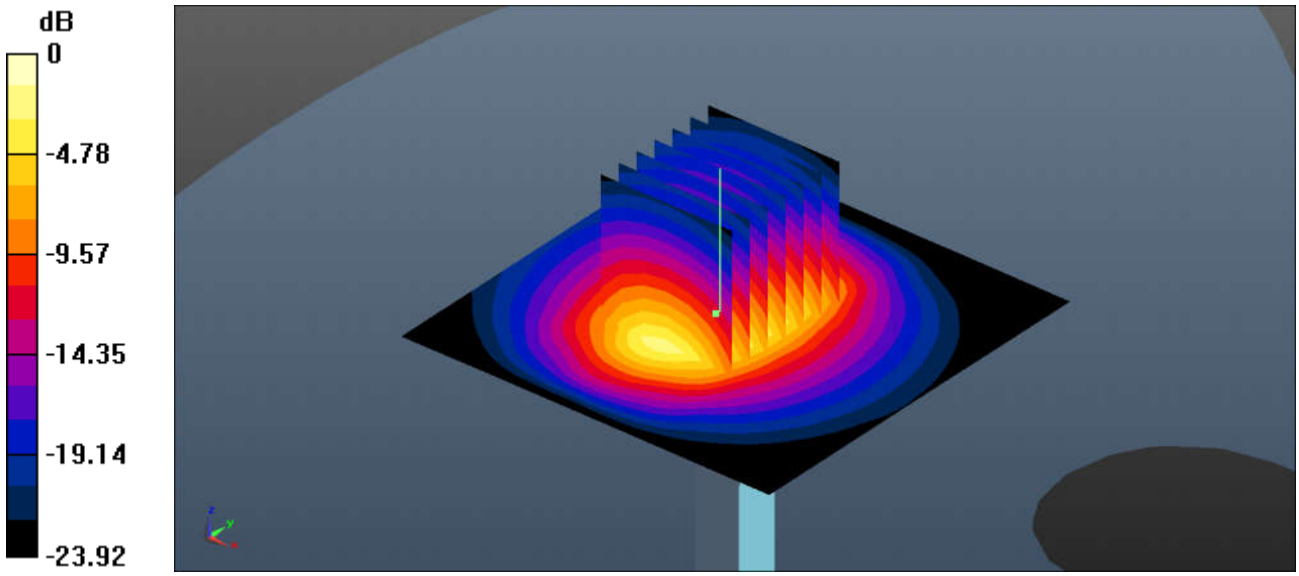
DUT: D2450V2 - SN:840

Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450 Medium parameters used: f = 2450 MHz; σ = 1.858 S/m; ε_r = 38.649; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.87, 7.87, 7.87); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 20.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.28 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 28.7 W/kg
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.07 W/kg
Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg = 13.13 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.6

System Check_Head_2600MHz

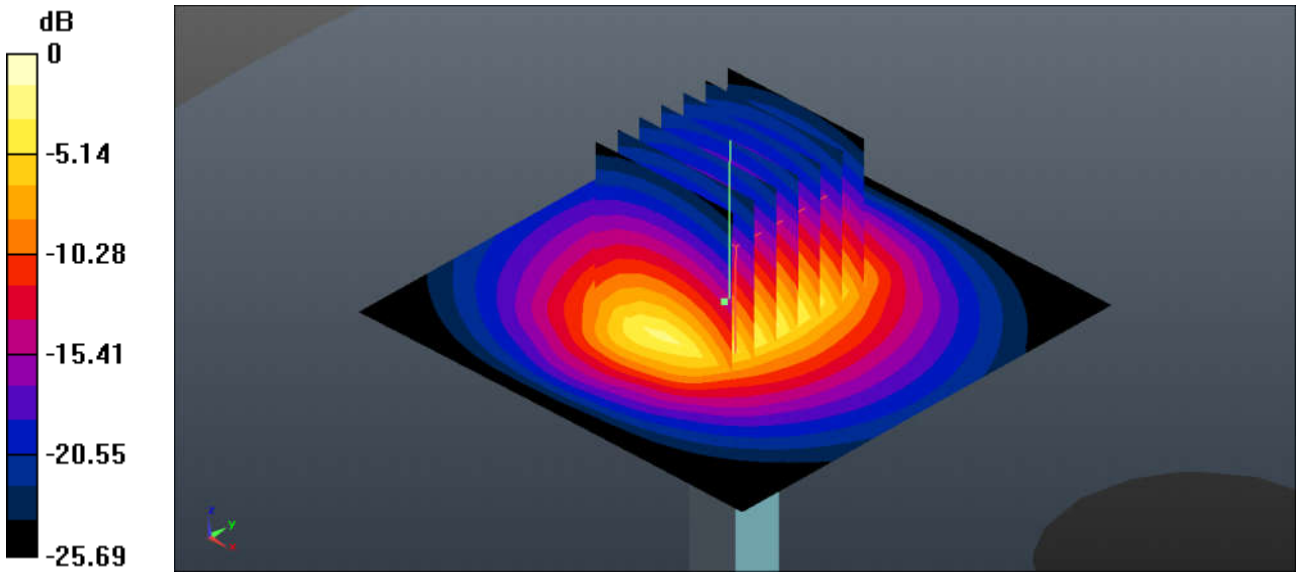
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: HSL_2600 Medium parameters used: f = 2600 MHz; σ = 2.04 S/m; ε_r = 37.884; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.67, 7.67, 7.67); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 25.7 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 115.6 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 14 W/kg; SAR(10 g) = 6.13 W/kg
Maximum value of SAR (measured) = 25.2 W/kg



0 dB = 25.2 W/kg = 14.01 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.14

System Check_Head_5250MHz

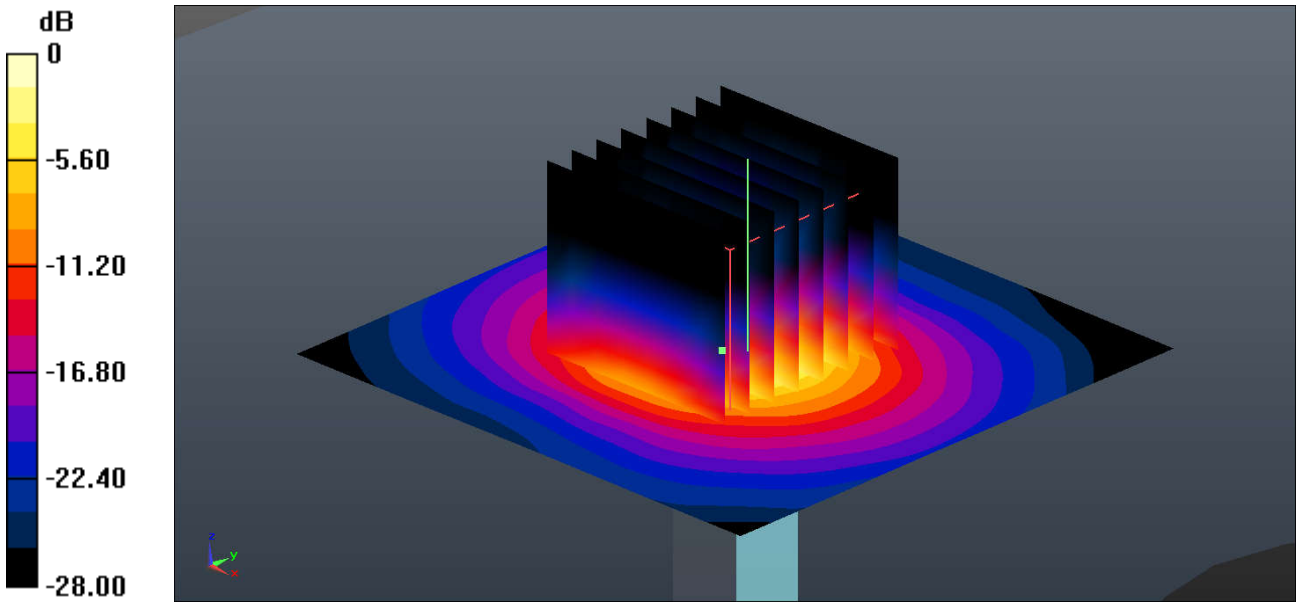
DUT: D5GHzV2-SN:1203

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5250 MHz; σ = 4.938 S/m; ε_r = 36.997; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(5.2, 5.2, 5.2); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.9 W/kg

CW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.45 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 32.3 W/kg
SAR(1 g) = 7.85 W/kg; SAR(10 g) = 2.22 W/kg
Maximum value of SAR (measured) = 18.9 W/kg



0 dB = 18.9 W/kg = 12.76 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.14

System Check_Head_5600MHz

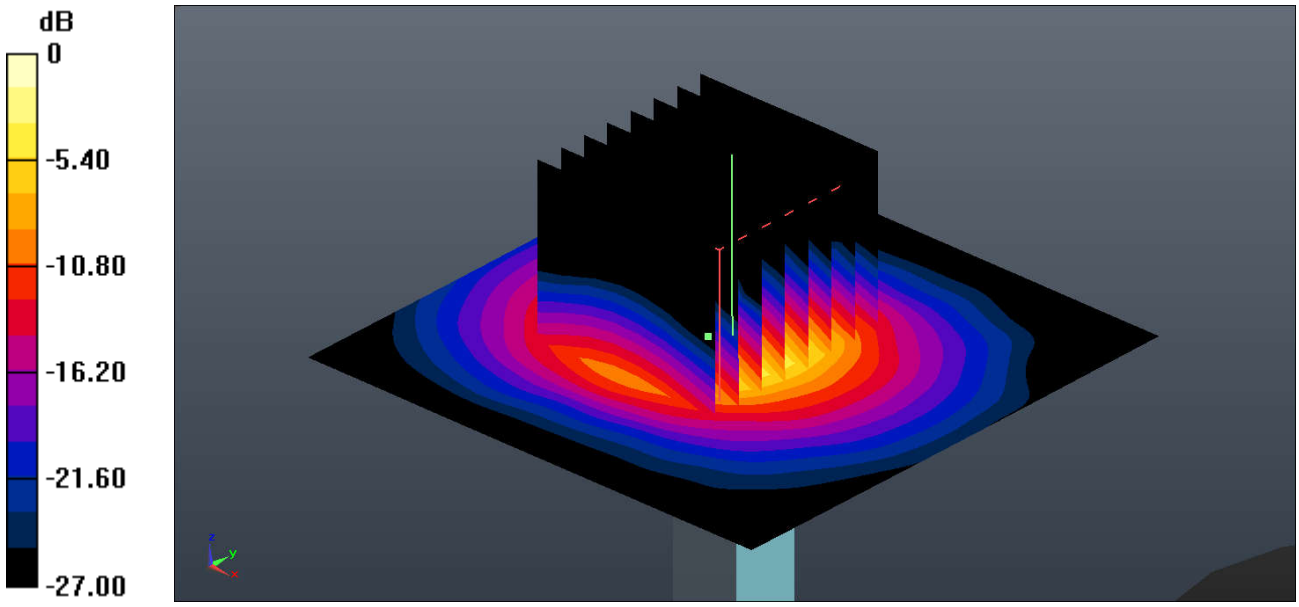
DUT: D5GHzV2-SN:1203

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5600 MHz; σ = 5.297 S/m; ε_r = 36.456; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.94, 4.94, 4.94); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 20.8 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 40.09 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 36.1 W/kg
SAR(1 g) = 8.29 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 20.5 W/kg



0 dB = 20.5 W/kg = 13.12 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.14

System Check_Head_5750MHz

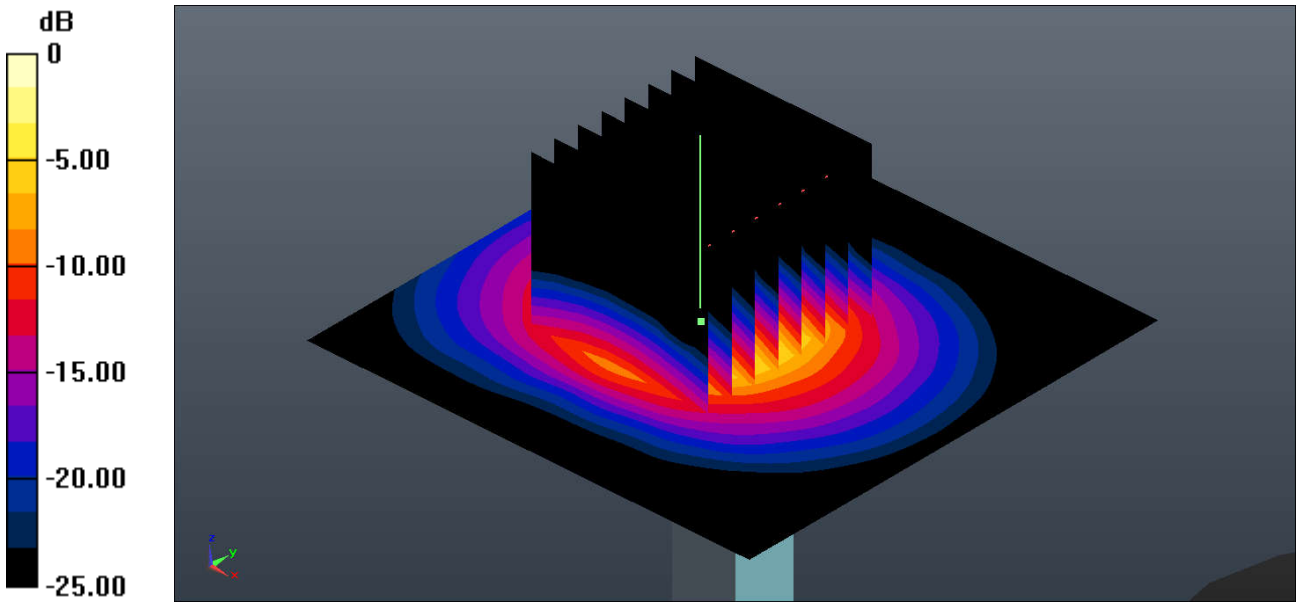
DUT: D5GHzV2-SN:1203

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: HSL_5000 Medium parameters used: f = 5750 MHz; σ = 5.463 S/m; ε_r = 36.229; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(5.23, 5.23, 5.23); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.9 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.21 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 33.61 W/kg
SAR(1 g) = 7.44 W/kg; SAR(10 g) = 2.17 W/kg
Maximum value of SAR (measured) = 18.1 W/kg



0 dB = 18.1 W/kg = 12.58 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.10.31

System Check_Body_750MHz

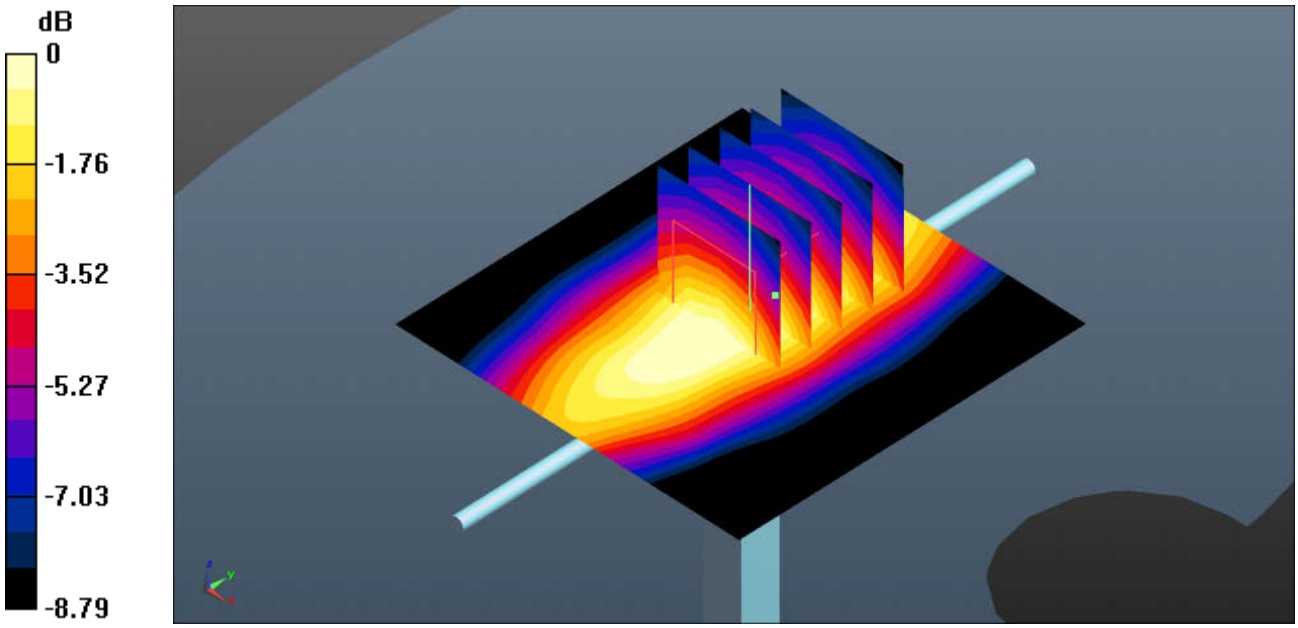
DUT: D750V3 - SN:1065

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750 Medium parameters used: f = 750 MHz; σ = 0.964 S/m; ε_r = 56.433; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.65, 10.65, 10.65); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.96 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 50.31 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 3.01 W/kg
SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.36 W/kg
Maximum value of SAR (measured) = 2.79 W/kg



0 dB = 2.79 W/kg = 4.46 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.3

System Check_Body_835MHz

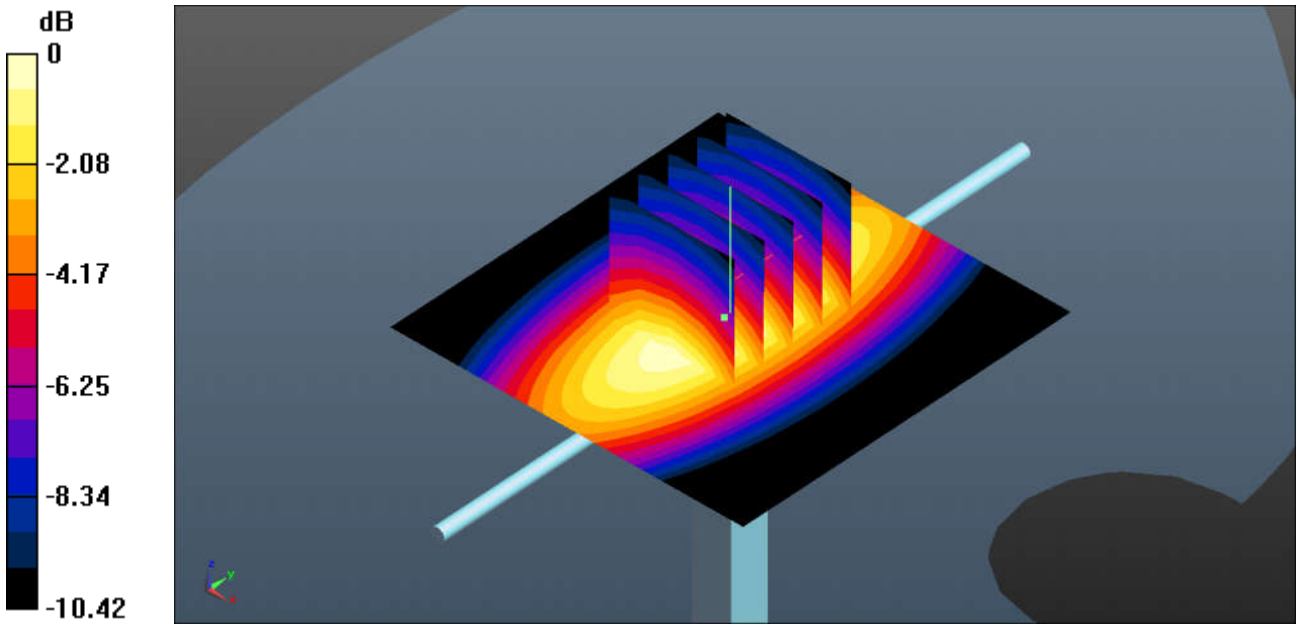
DUT: D835V2 - SN:4d091

Communication System: UID 0, CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850 Medium parameters used: f = 835 MHz; σ = 0.99 S/m; ε_r = 55.273; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.33, 10.33, 10.33); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 3.15 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.03 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.77 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.52 W/kg
Maximum value of SAR (measured) = 3.20 W/kg



0 dB = 3.20 W/kg = 5.05 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.9

System Check_Body_1750MHz

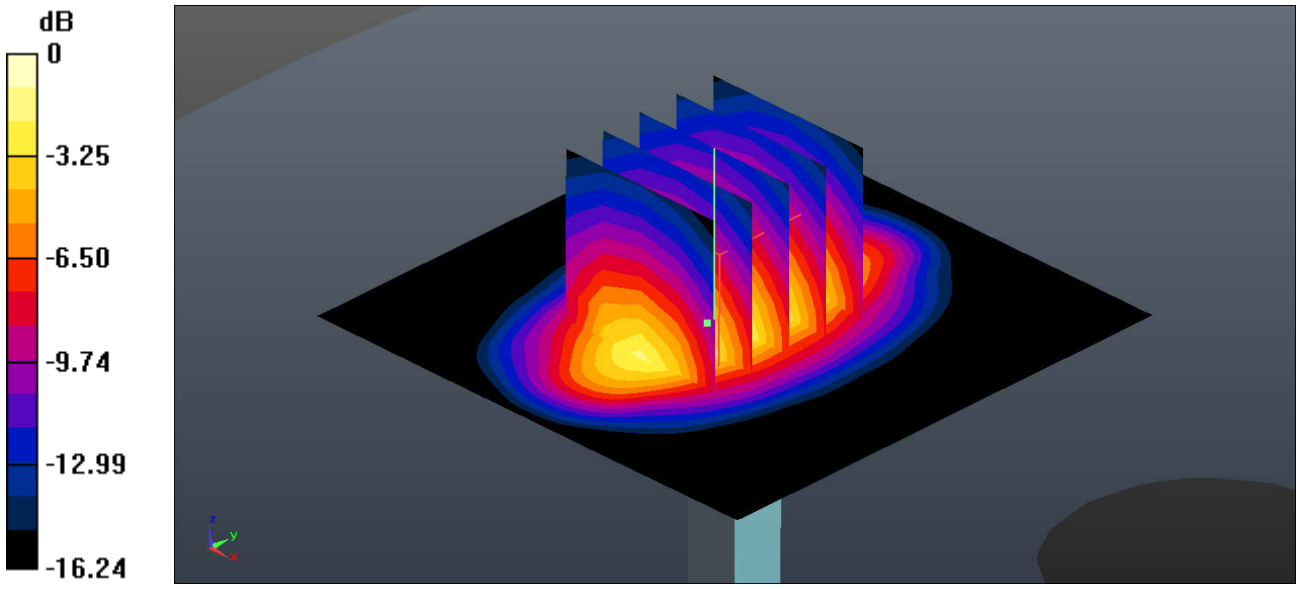
DUT: D1750V2 - SN:1069

Communication System: UID 0, CW (0); Frequency: 1750 MHz;Duty Cycle: 1:1
Medium: MSL_1750 Medium parameters used: f = 1750 MHz; σ = 1.444 S/m; ε_r = 54.472; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(5.01, 5.01, 5.01); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.7 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 81.76 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 15.7 W/kg
SAR(1 g) = 9 W/kg; SAR(10 g) = 4.85 W/kg
Maximum value of SAR (measured) = 12.6 W/kg



0 dB = 12.6 W/kg = 11.00 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.5

System Check_Body_1900MHz

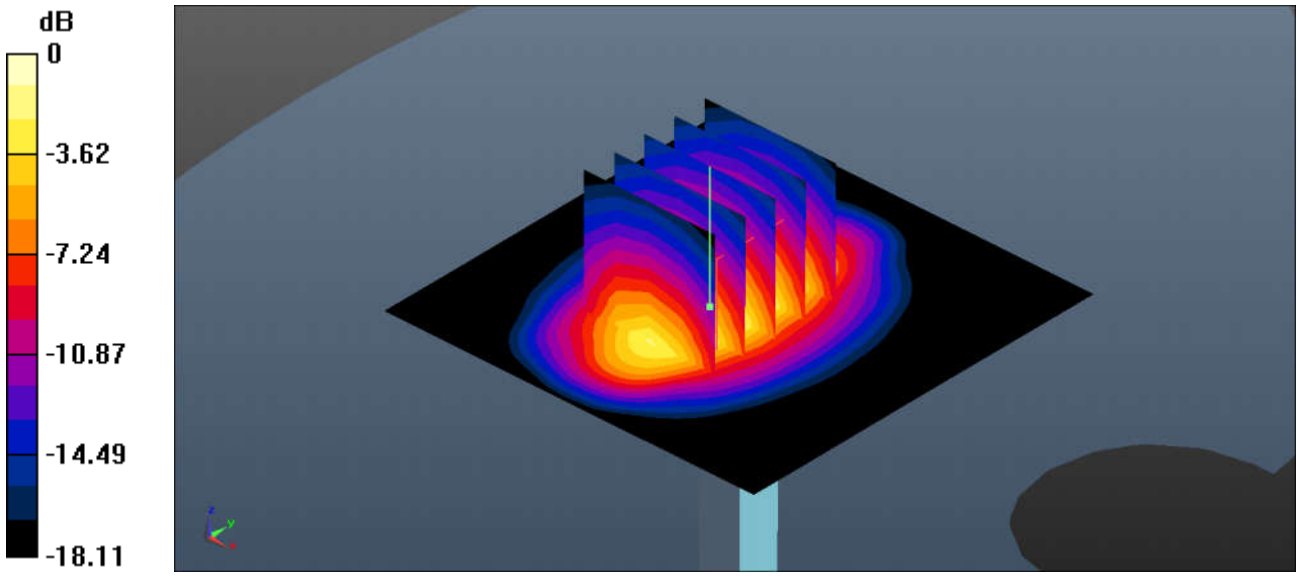
DUT: D1900V2 - SN:5d118

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900 Medium parameters used: f = 1900 MHz; σ = 1.519 S/m; ε_r = 53.914; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.3, 8.3, 8.3); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.5 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 81.85 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 9.38 W/kg; SAR(10 g) = 4.91 W/kg
Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.10

System Check_Body_2300MHz

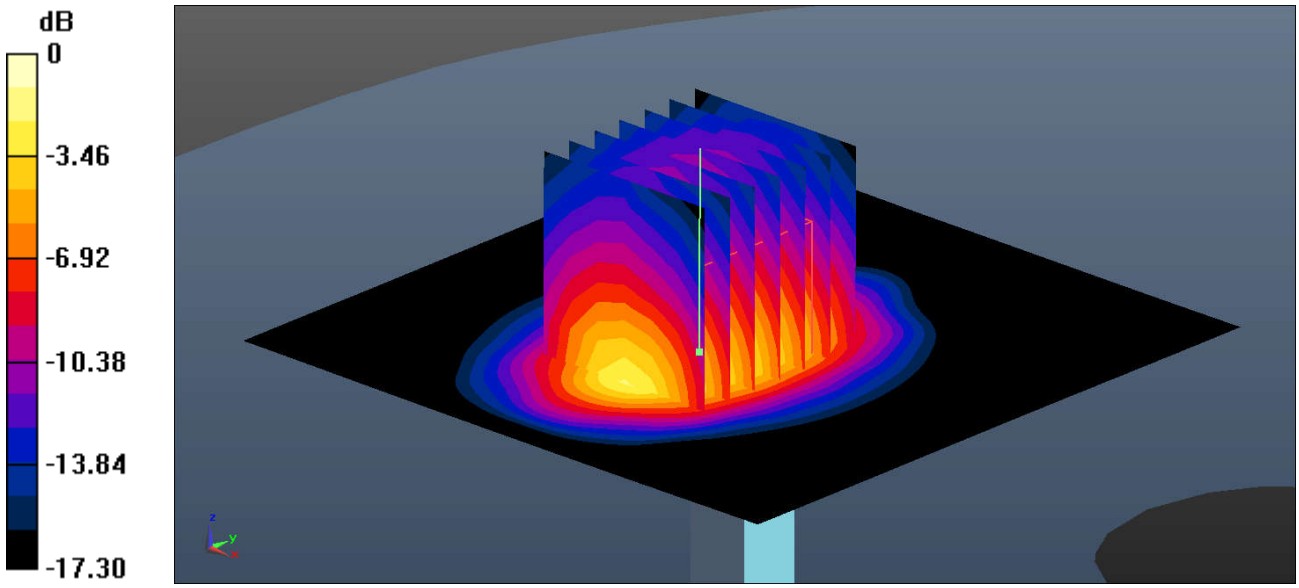
DUT: D2300V2 - SN:1055

Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1
Medium: MSL_2300 Medium parameters used: f = 2300 MHz; σ = 1.793 S/m; ε_r = 53.669; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(4.51, 4.51, 4.51); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 15.7 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 81.99 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 17.0 W/kg
SAR(1 g) = 11.3 W/kg; SAR(10 g) = 5.49 W/kg
Maximum value of SAR (measured) = 15.4 W/kg



0 dB = 15.4 W/kg = 11.88 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.11

System Check_Body_2450MHz

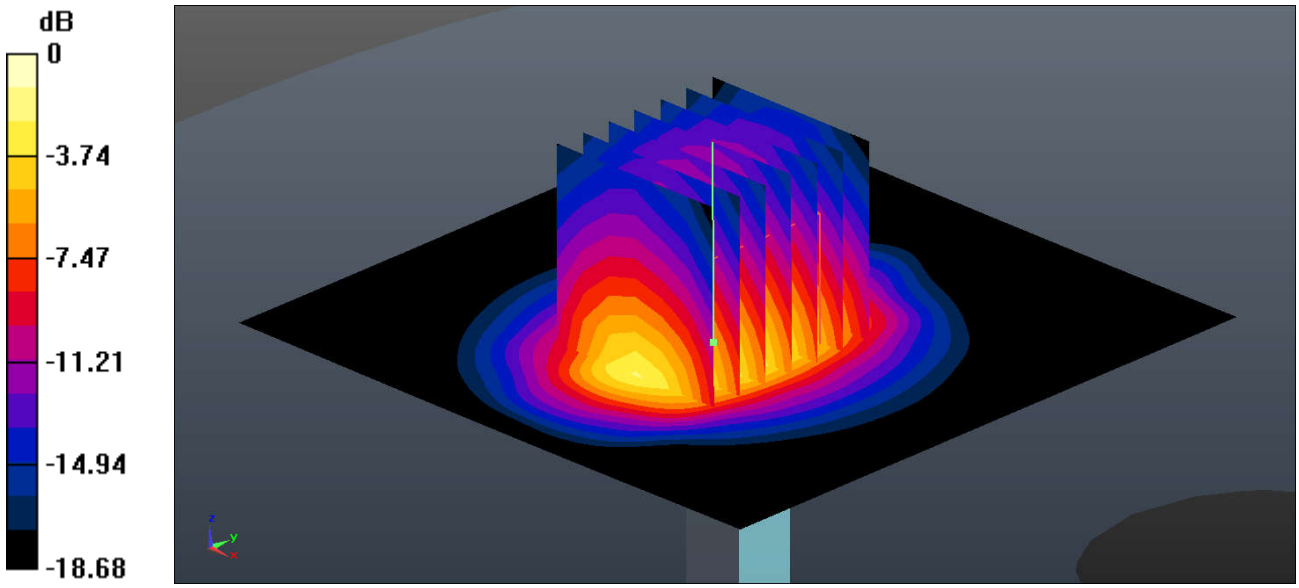
DUT: D2450V2 - SN:840

Communication System: UID 0, CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450 Medium parameters used: f = 2450 MHz; σ = 2.003 S/m; ε_r = 53.104; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(4.39, 4.39, 4.39); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 16.9 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 82.58 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 12 W/kg; SAR(10 g) = 5.89 W/kg
Maximum value of SAR (measured) = 16.5 W/kg



0 dB = 16.5 W/kg = 12.17 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.12

System Check_Body_2600MHz

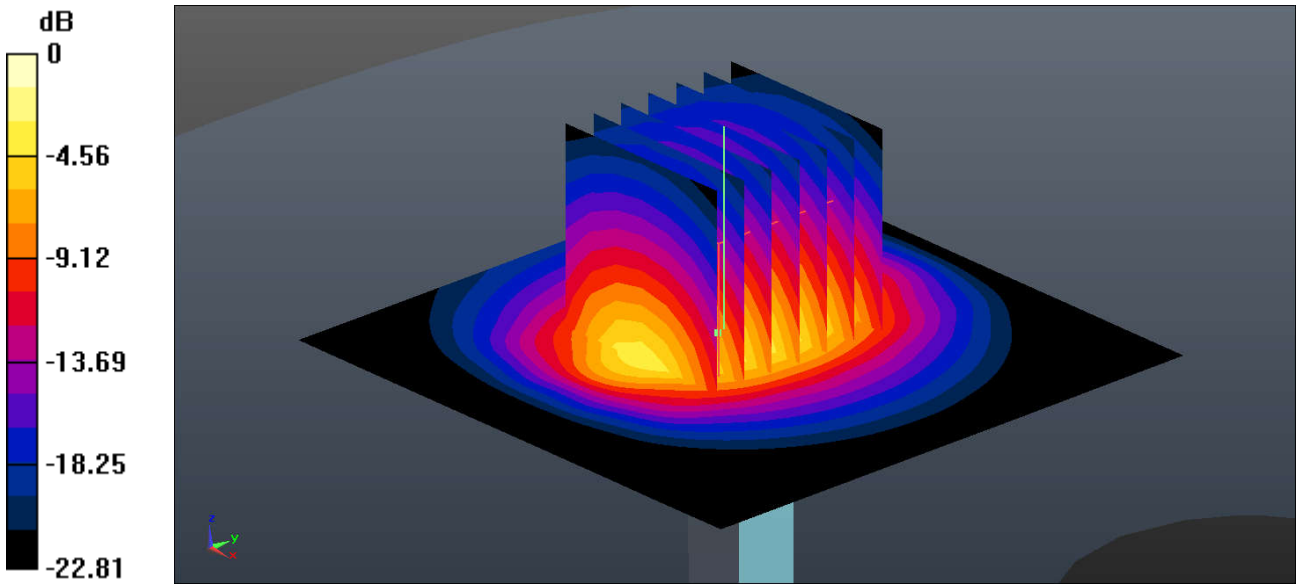
DUT: D2600V2 - SN:1061

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium: MSL_2600 Medium parameters used: f = 2600 MHz; σ = 2.217 S/m; ε_r = 52.515; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3293; ConvF(4.28, 4.28, 4.28); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.0 W/kg

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 71.21 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 30.1 W/kg
SAR(1 g) = 13.9 W/kg; SAR(10 g) = 6.15 W/kg
Maximum value of SAR (measured) = 21.8 W/kg



0 dB = 21.8 W/kg = 13.38 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.13

System Check_Body_5250MHz

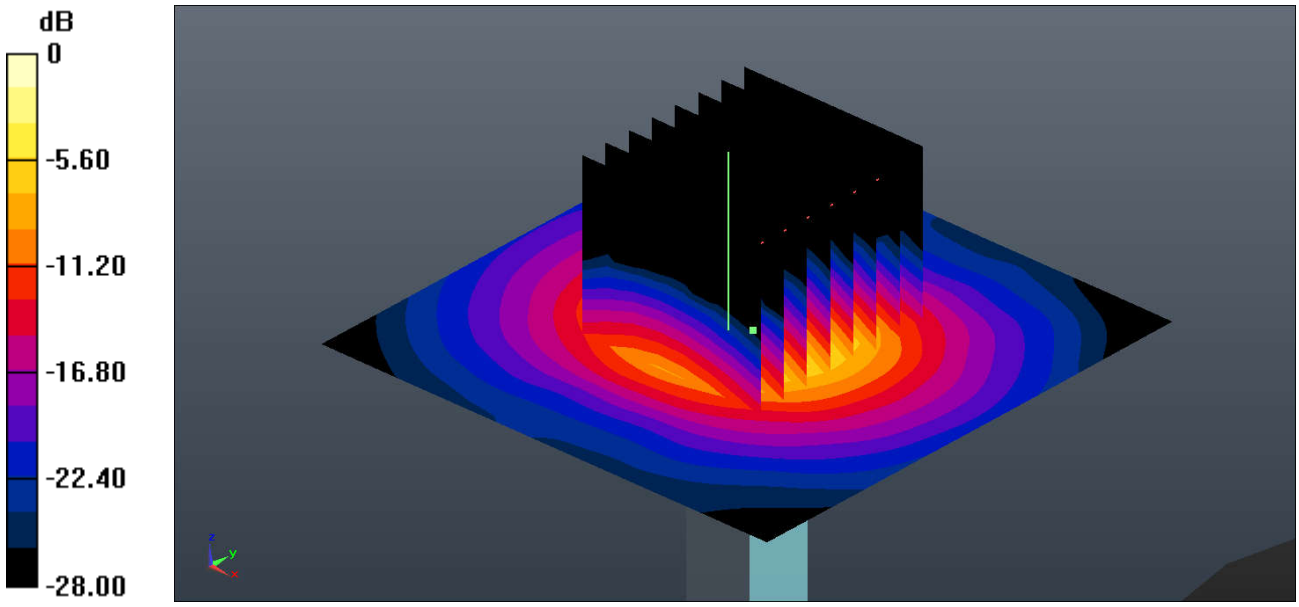
DUT: D5GHzV2-SN:1203

Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium: MSL_5000 Medium parameters used: f = 5250 MHz; σ = 5.54 S/m; ε_r = 47.438; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.4, 4.4, 4.4); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 18.5 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 41.43 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 30.9 W/kg
SAR(1 g) = 7.66 W/kg; SAR(10 g) = 2.13 W/kg
Maximum value of SAR (measured) = 17.9 W/kg



0 dB = 17.9 W/kg = 12.53 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.13

System Check_Body_5600MHz

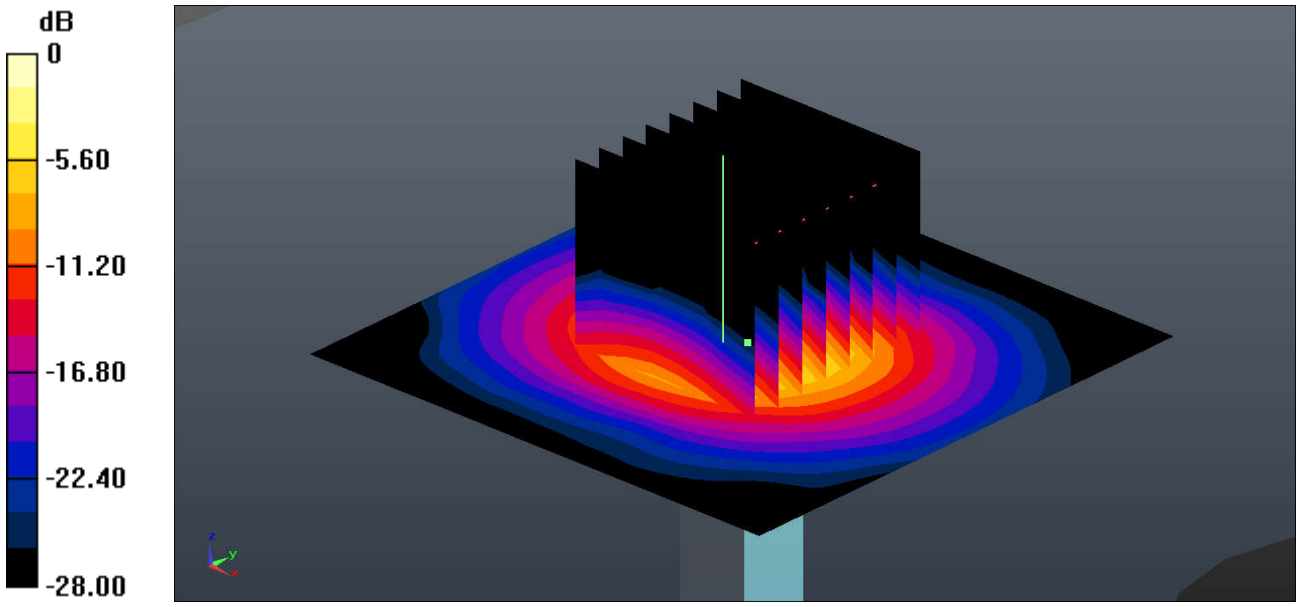
DUT: D5GHzV2-SN:1203

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium: MSL_5000 Medium parameters used: f = 5600 MHz; σ = 6 S/m; ε_r = 46.832; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(3.98, 3.98, 3.98); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 20.4 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 41.34 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 37.3 W/kg
SAR(1 g) = 8.37 W/kg; SAR(10 g) = 2.27 W/kg
Maximum value of SAR (measured) = 20.6 W/kg



0 dB = 20.6 W/kg = 13.14 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.13

System Check_Body_5750MHz

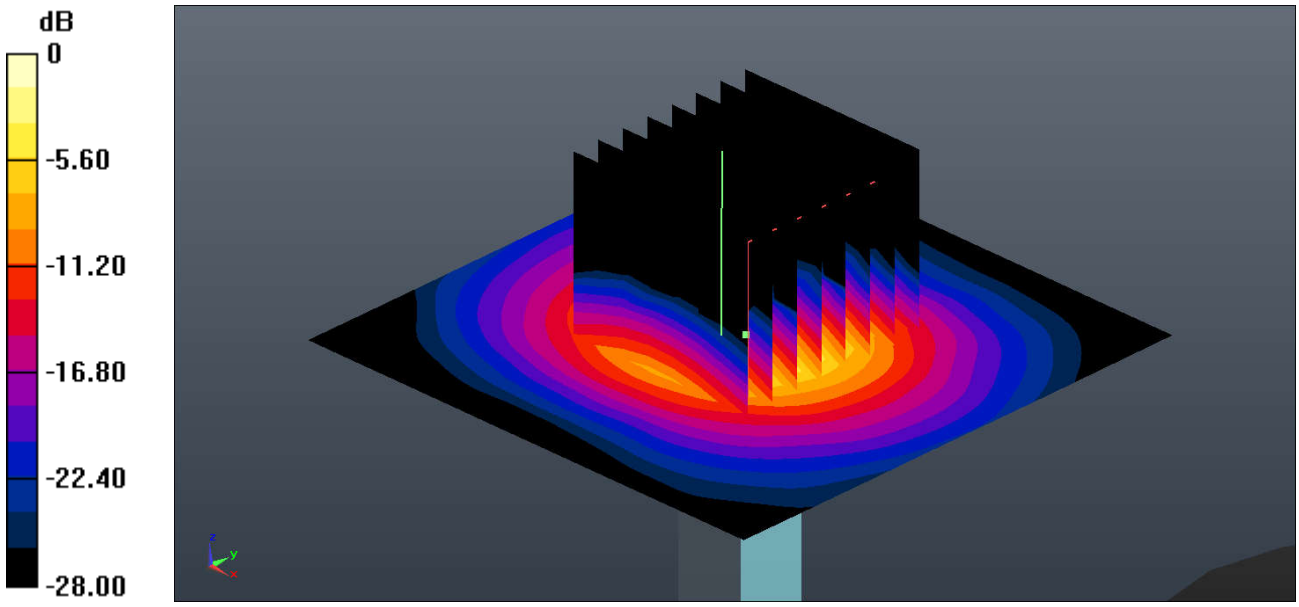
DUT: D5GHzV2-SN:1203

Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium: MSL_5000 Medium parameters used: f = 5750 MHz; σ = 6.214 S/m; ε_r = 46.579; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.31, 4.31, 4.31); Calibrated: 2018.5.31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 17.9 W/kg

Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 36.87 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 32.1 W/kg
SAR(1 g) = 7.16 W/kg; SAR(10 g) = 1.99 W/kg
Maximum value of SAR (measured) = 17.3 W/kg



0 dB = 17.3 W/kg = 12.38 dBW/kg

Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.3

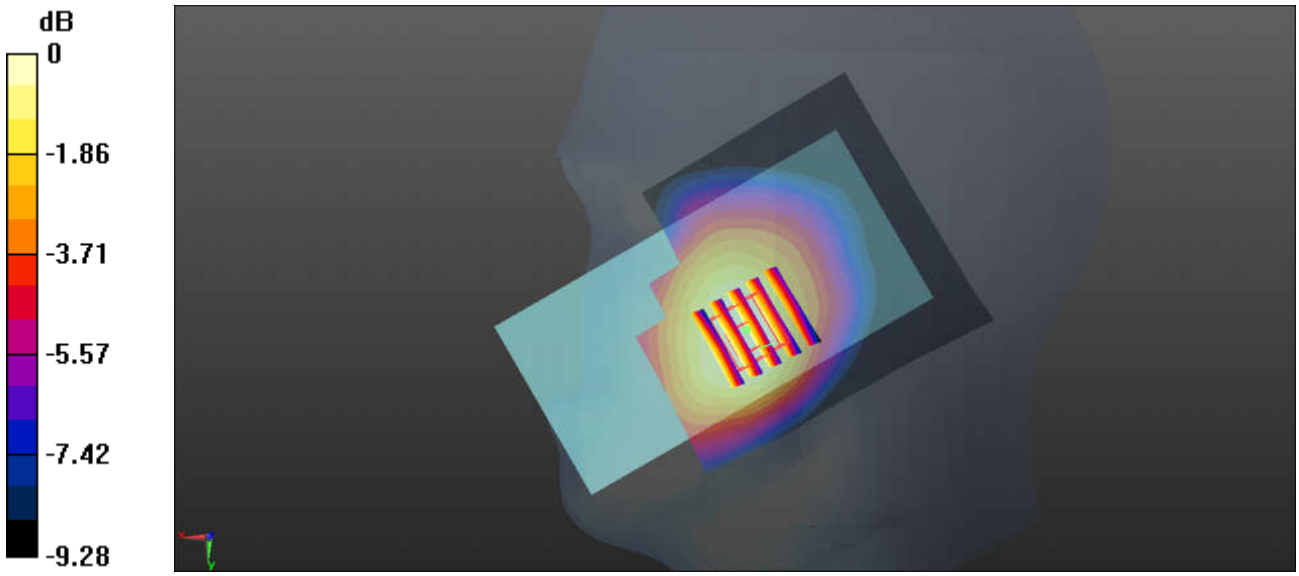
01_GSM850_GPRS (4 Tx slots)_Right Cheek_0mm_Ch189

Communication System: UID 0, GSM850-4UP (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.08
Medium: HSL_850 Medium parameters used: f = 836.4 MHz; σ = 0.909 S/m; ε_r = 42.242; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.36, 10.36, 10.36); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.332 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.01 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.361 W/kg
SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.199 W/kg
Maximum value of SAR (measured) = 0.319 W/kg



0 dB = 0.319 W/kg = -4.96 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.5

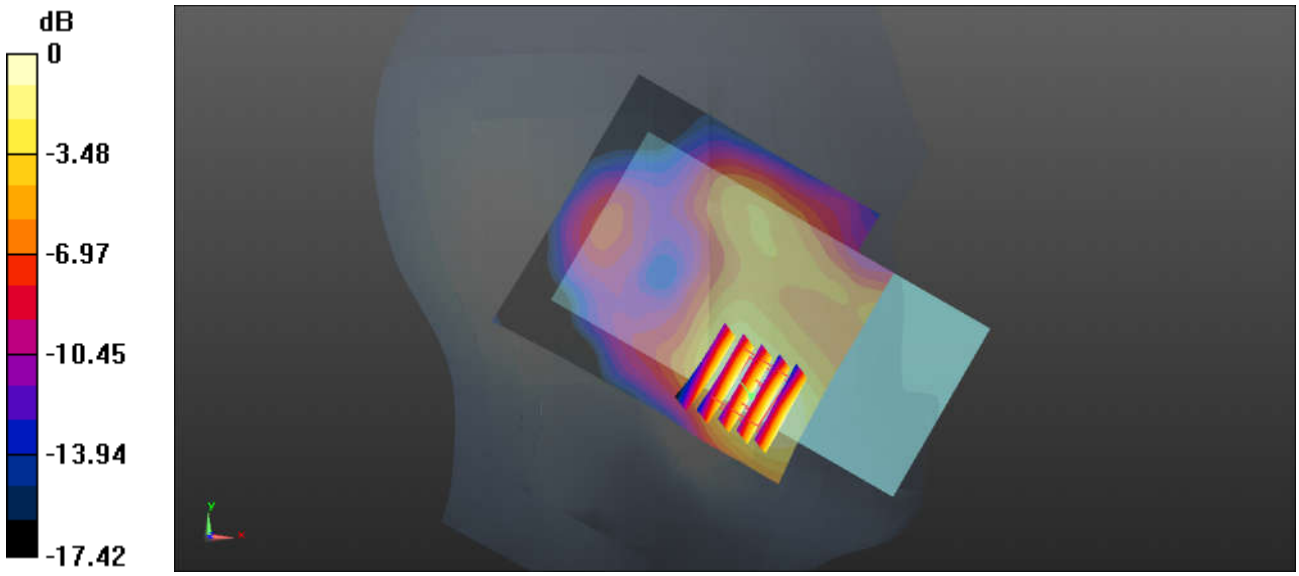
02_GSM1900_GPRS (4 Tx slots)_Left Cheek_0mm_Ch661

Communication System: UID 0, PCS-4UP (0); Frequency: 1880 MHz;Duty Cycle: 1:2.08
Medium: HSL_1900 Medium parameters used: f = 1880 MHz; σ = 1.401 S/m; ε_r = 40.021; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.41, 8.41, 8.41); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM1; Type: SAM; Serial: TP-1839
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.133 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.17 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.138 W/kg



0 dB = 0.138 W/kg = -8.60 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2018.11.3

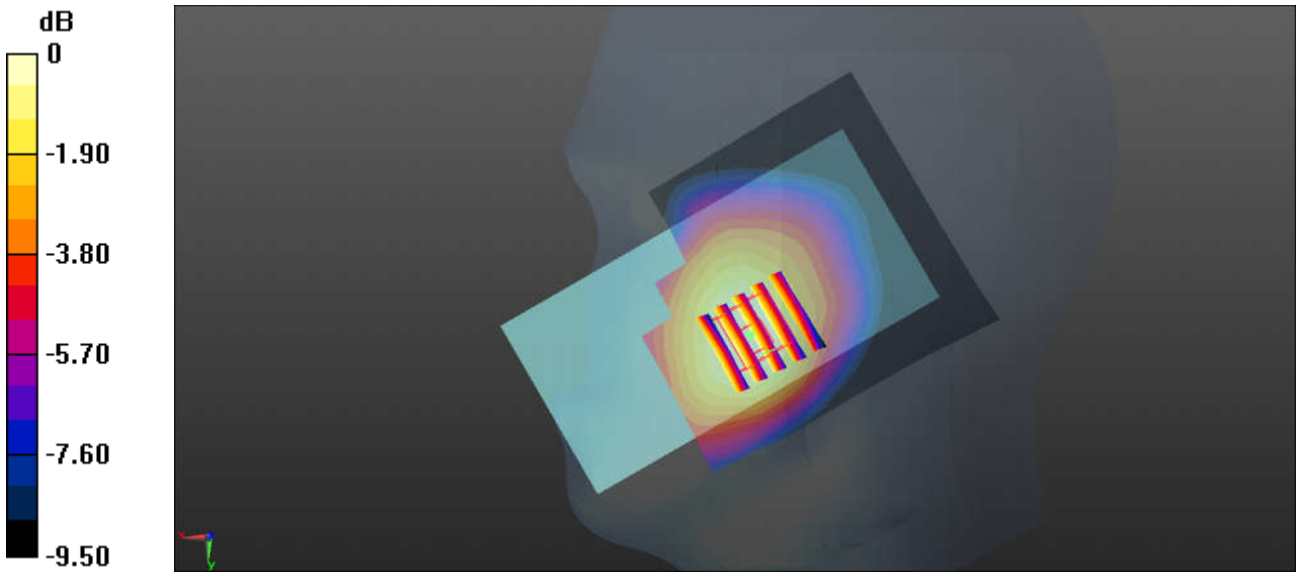
03_WCDMA V_RMC 12.2Kbps_Right Cheek_0mm_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_850 Medium parameters used: f = 846.6 MHz; σ = 0.919 S/m; ε_r = 42.094; ρ = $1000 kg/m^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.36, 10.36, 10.36); Calibrated: 2017.12.14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1338; Calibrated: 2017.12.4
- Phantom: SAM2; Type: SAM; Serial: TP-1842
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.443 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.91 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.266 W/kg
Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.433 W/kg = -3.64 dBW/kg