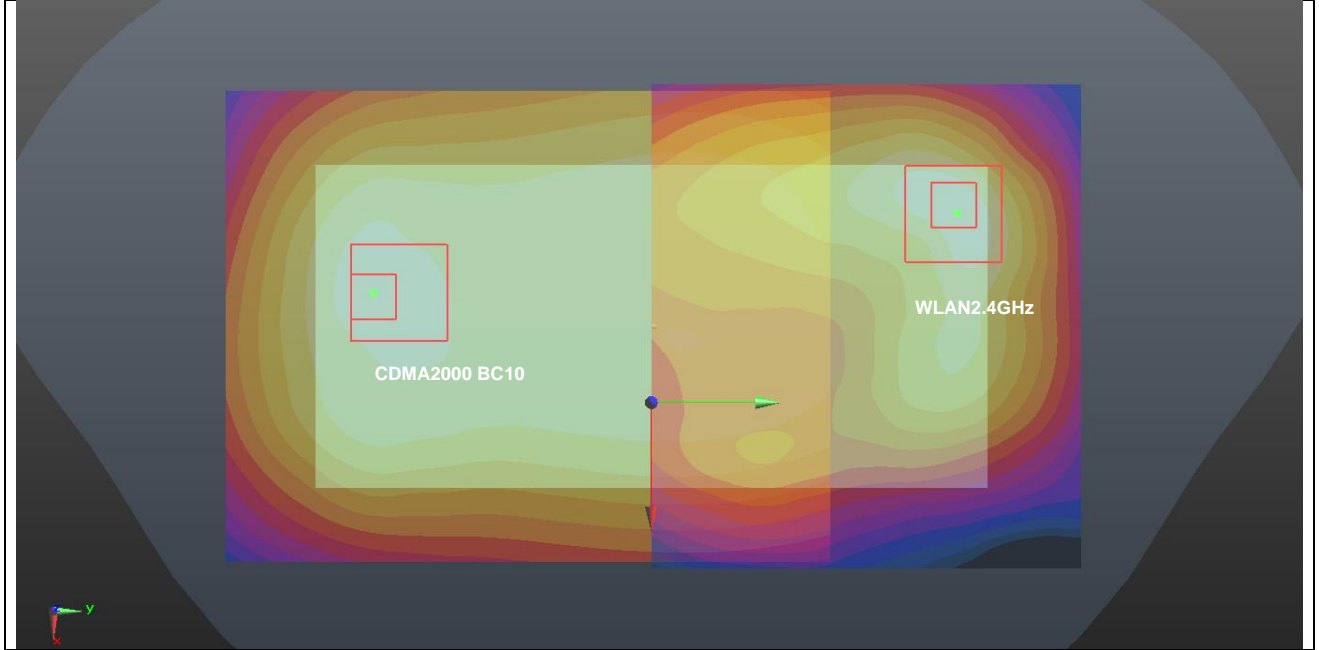
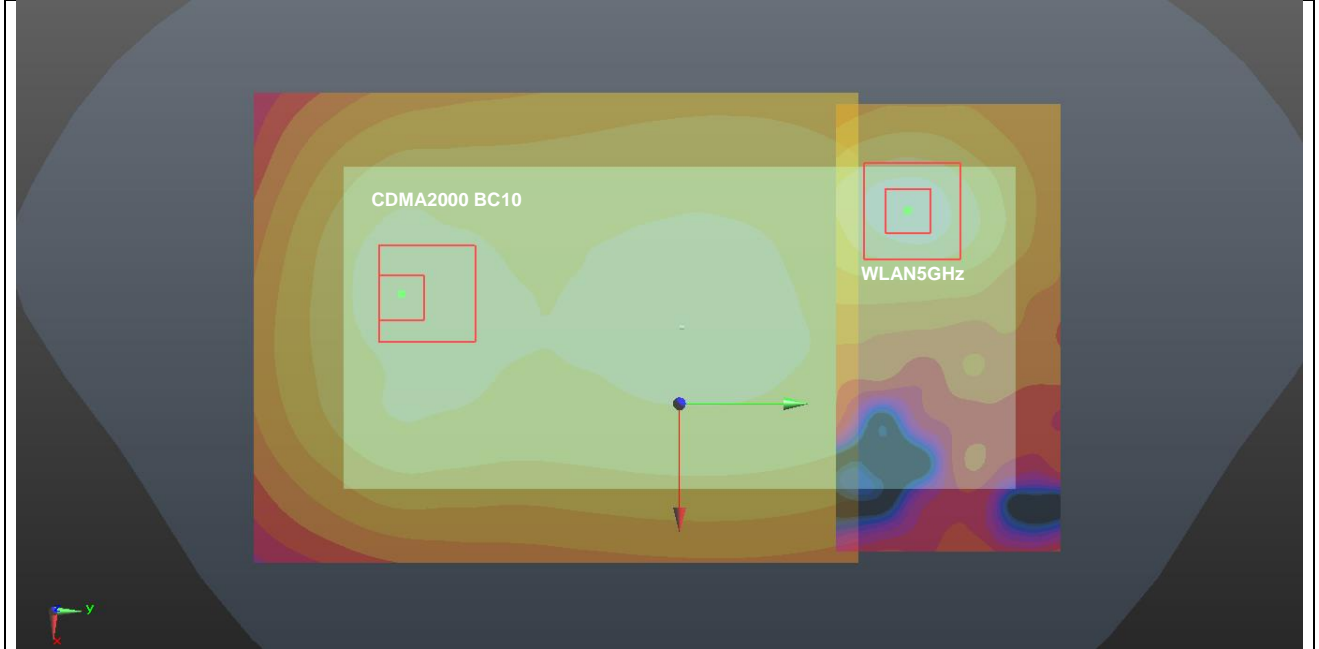


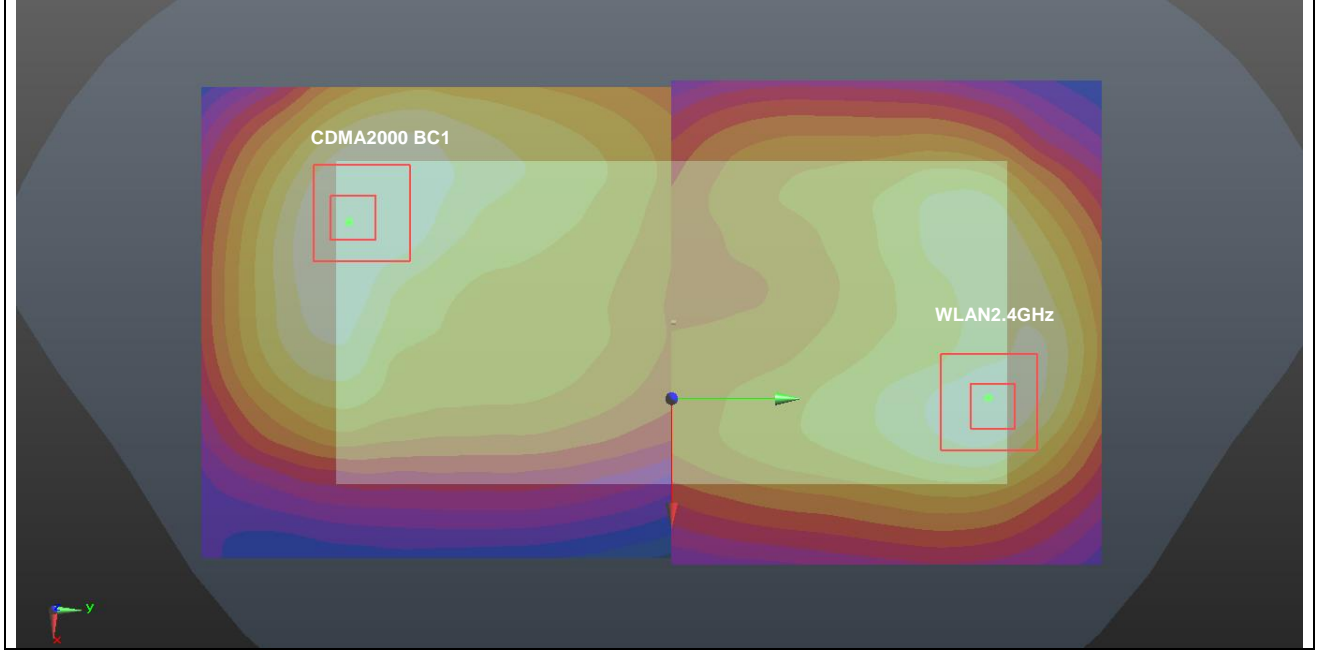
Case #24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	0.901	5	-2.7	-63.6	-2.56	132.5	1.99	0.02	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



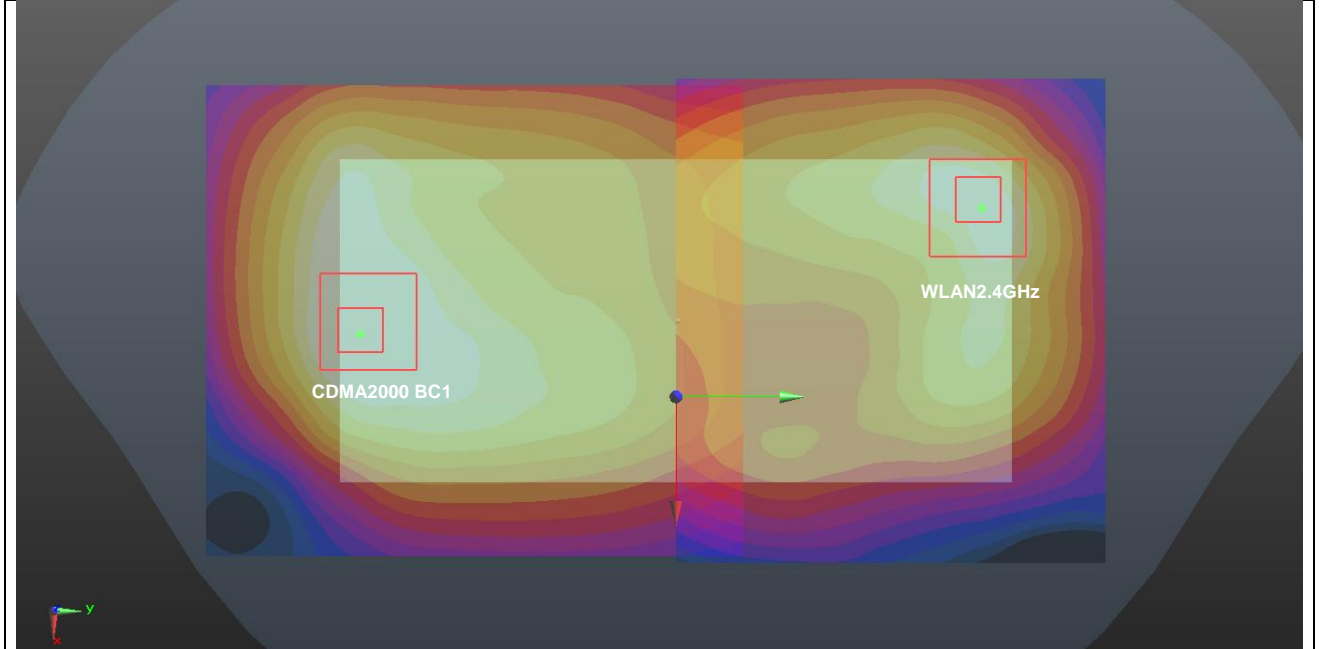
Case #25	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	0.901	5	-2.7	-63.6	-2.56	116.8	2.10	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



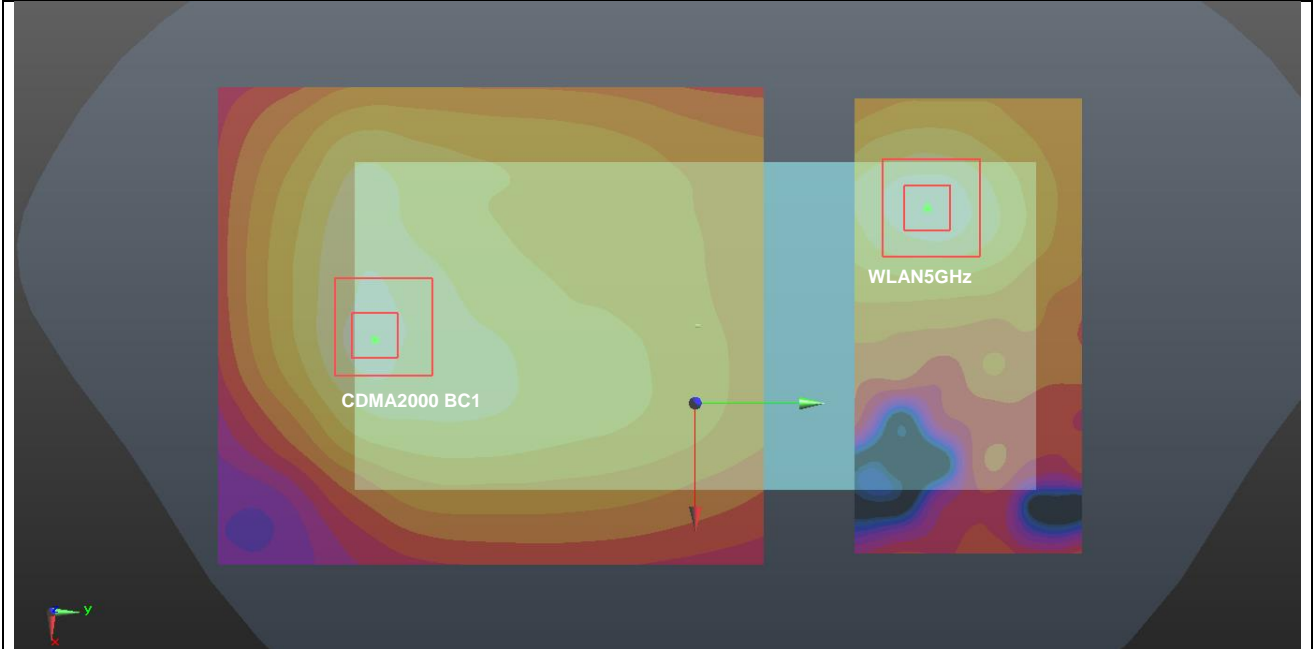
Case #26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Front	1.139	5	-22.5	-72	-0.73	150.8	1.71	0.01	Not required
	WLAN2.4GHz		0.572	5	16.7	73.6	-1.7				



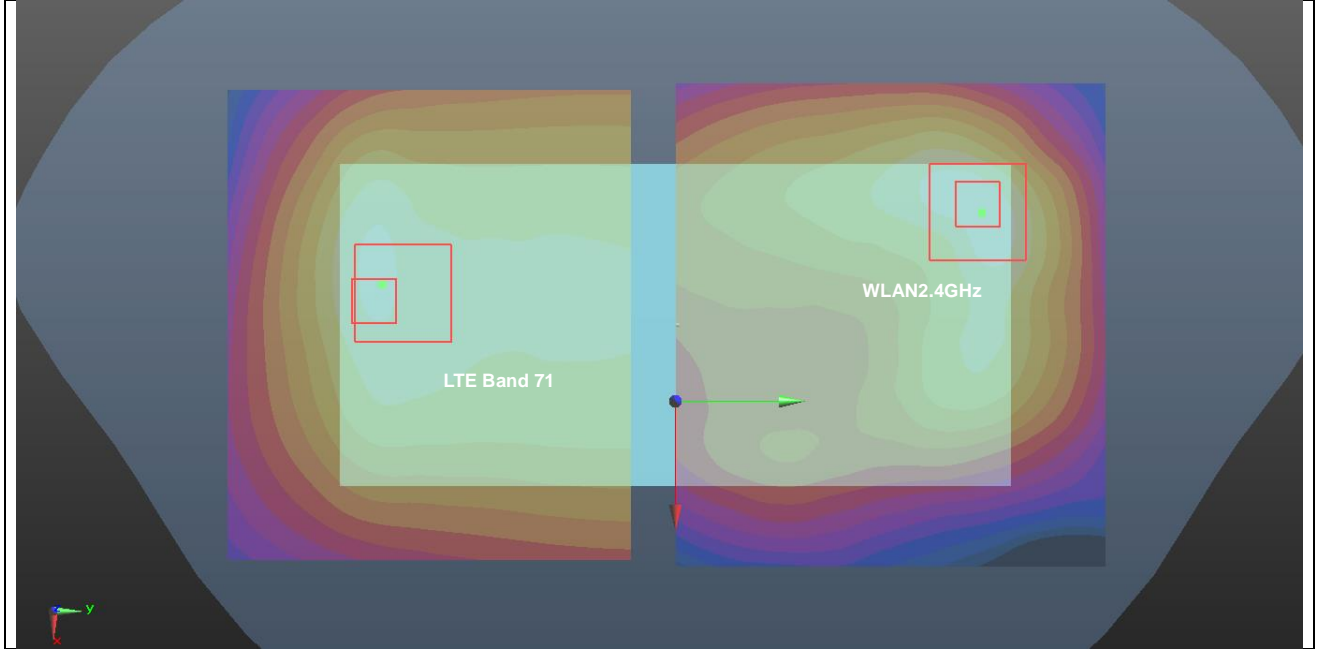
Case #27	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	1.374	5	3	-70.5	-0.59	140.4	2.46	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



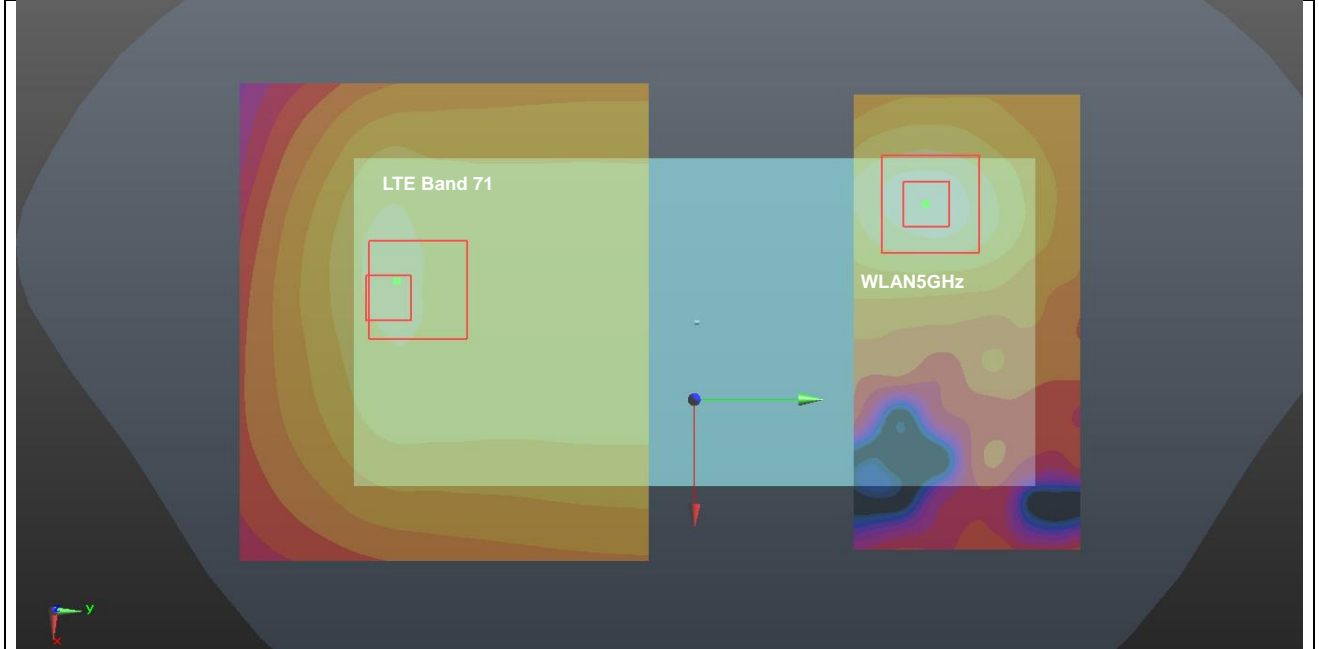
Case #28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Back	1.374	5	3	-70.5	-0.59	124.7	2.57	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



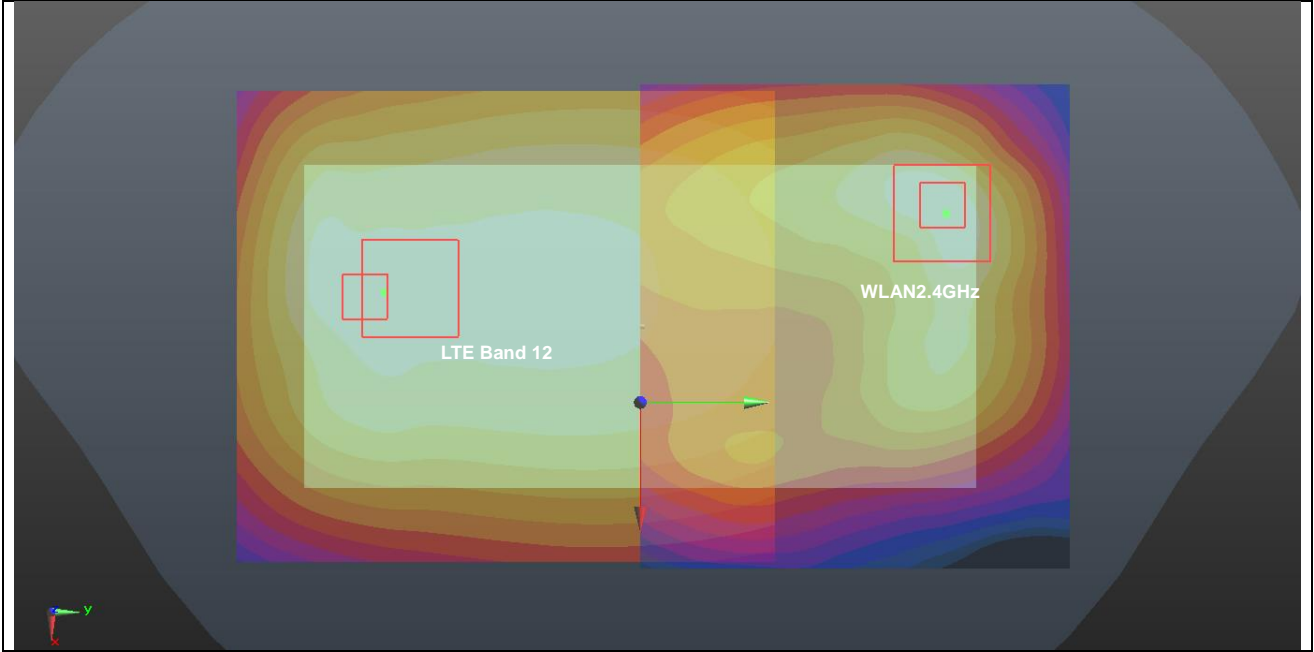
Case #29	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 71	Back	0.699	5	-4.2	-70.3	-2.33	138.8	1.79	0.02	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



Case #30	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				
	LTE Band 71	Back	0.699	5	-4.2	-70.3	-2.33	123.1	1.89	0.02	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				

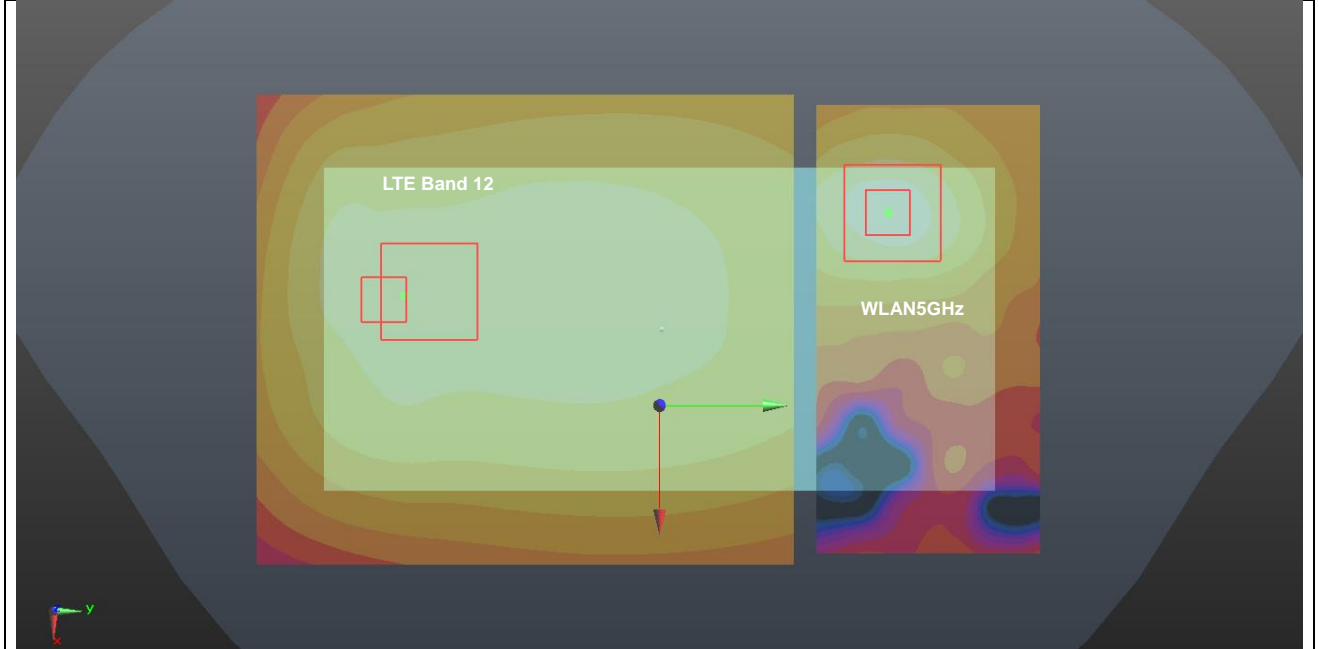


Case #31	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 12	Back	0.924	5	-2.7	-65	-2.71	133.9	2.01	0.02	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				

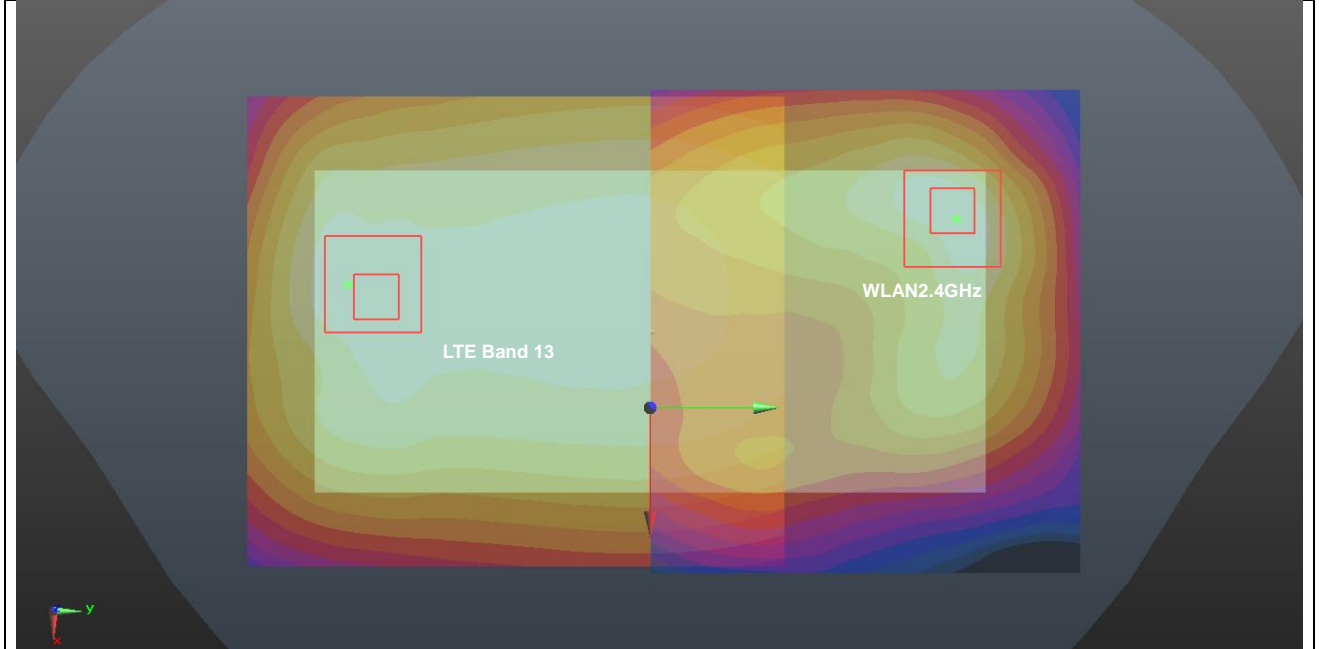




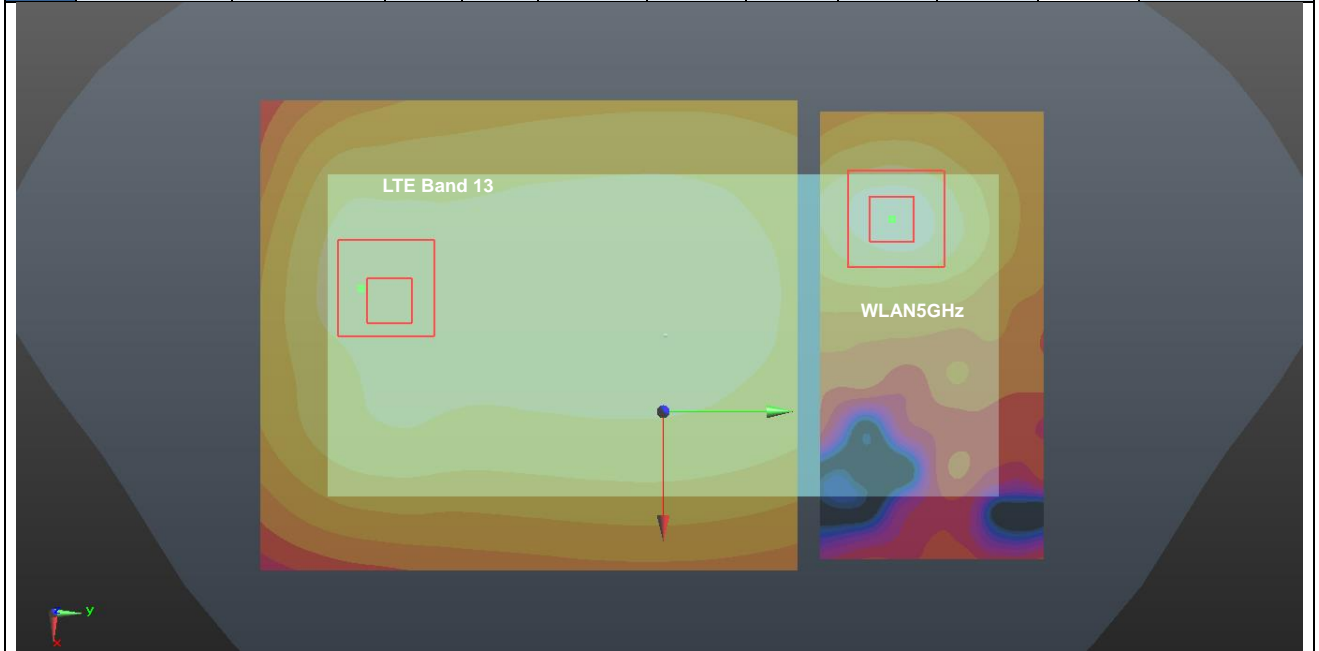
Case #32	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 12	Back	0.924	5	-2.7	-65	-2.71	118.2	2.12	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



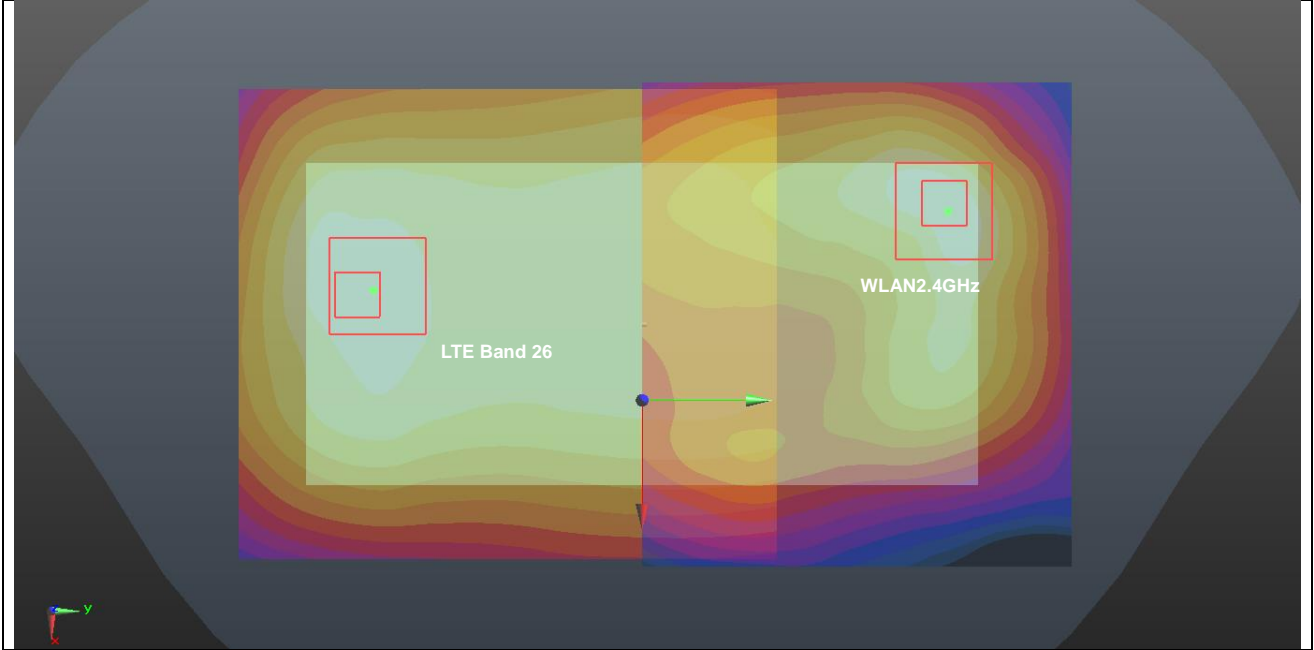
Case #33	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 13	Back	0.951	5	-4.1	-64.3	-2.74	132.9	2.04	0.02	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



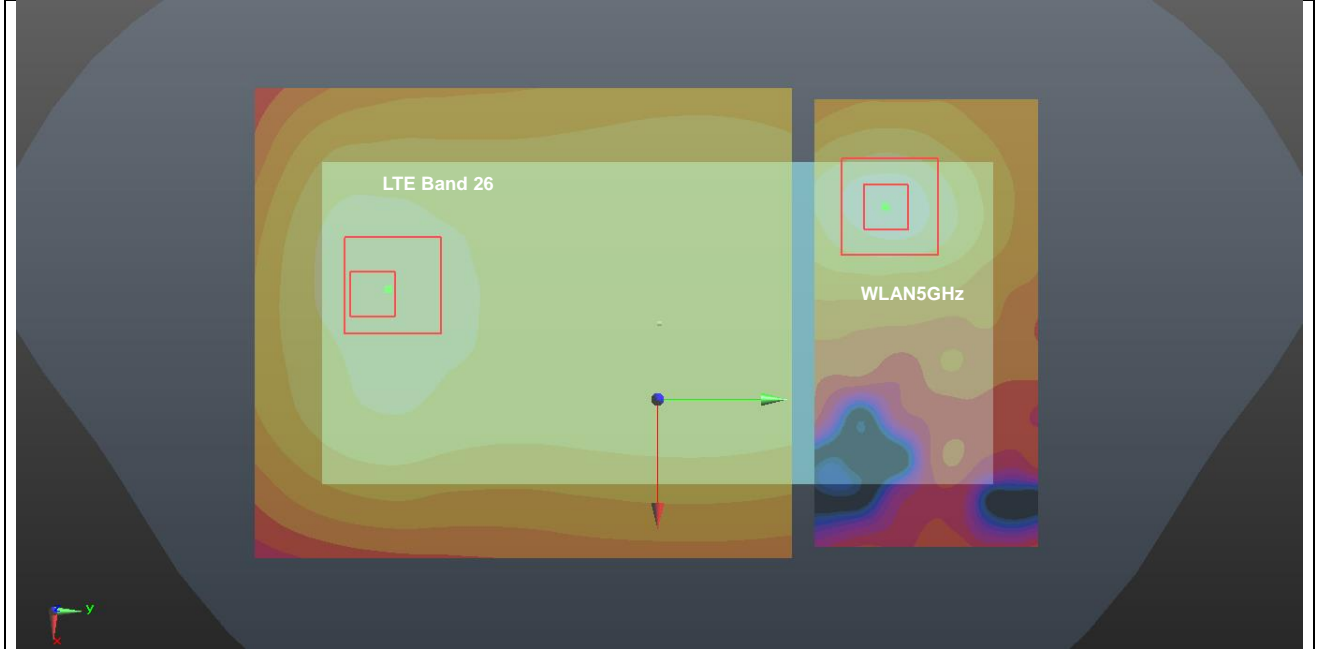
Case #34	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 13	Back	0.951	5	-4.1	-64.3	-2.74	117.2	2.15	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



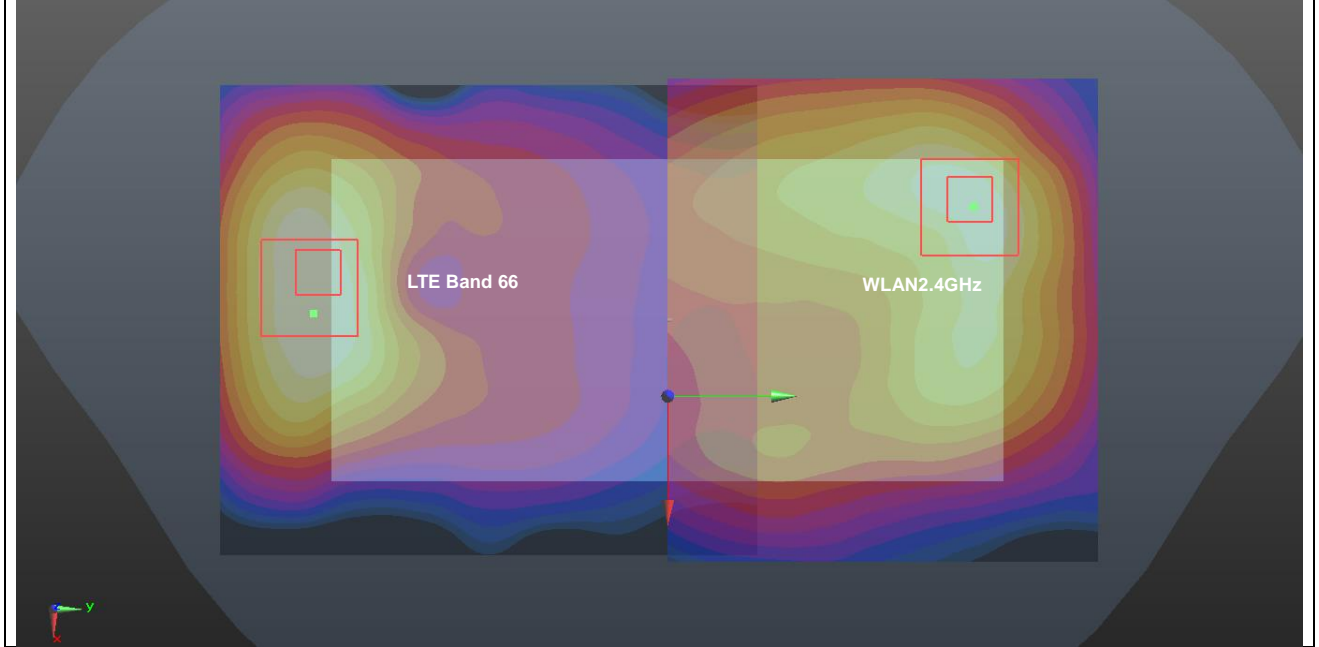
Case #36	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Back	0.967	5	-2.7	-64.8	-2.71	133.7	2.05	0.02	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



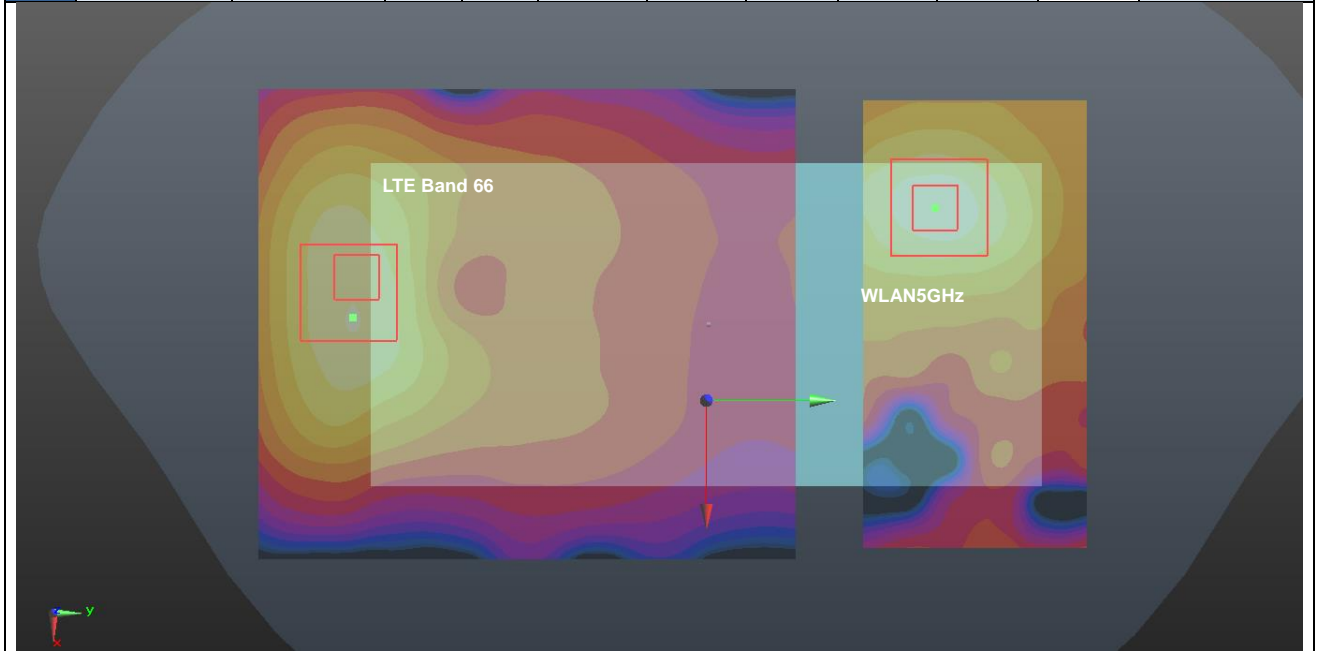
Case #37	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 26	Back	0.967	5	-2.7	-64.8	-2.71	118.0	2.16	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



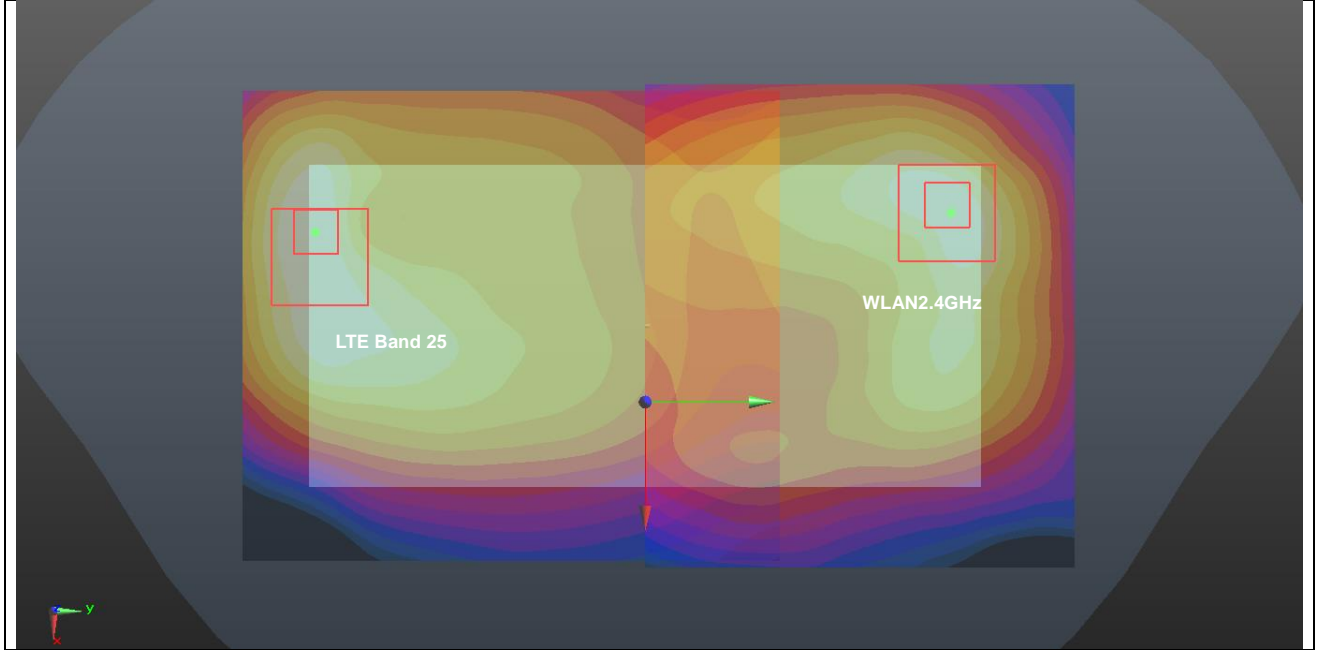
Case #38	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 66	Back	1.35	5	-12.7	-77.4	-3.29	144.6	2.44	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



Case #39	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				
	LTE Band 66	Back	1.35	5	-12.7	-77.4	-3.29	129.0	2.55	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				

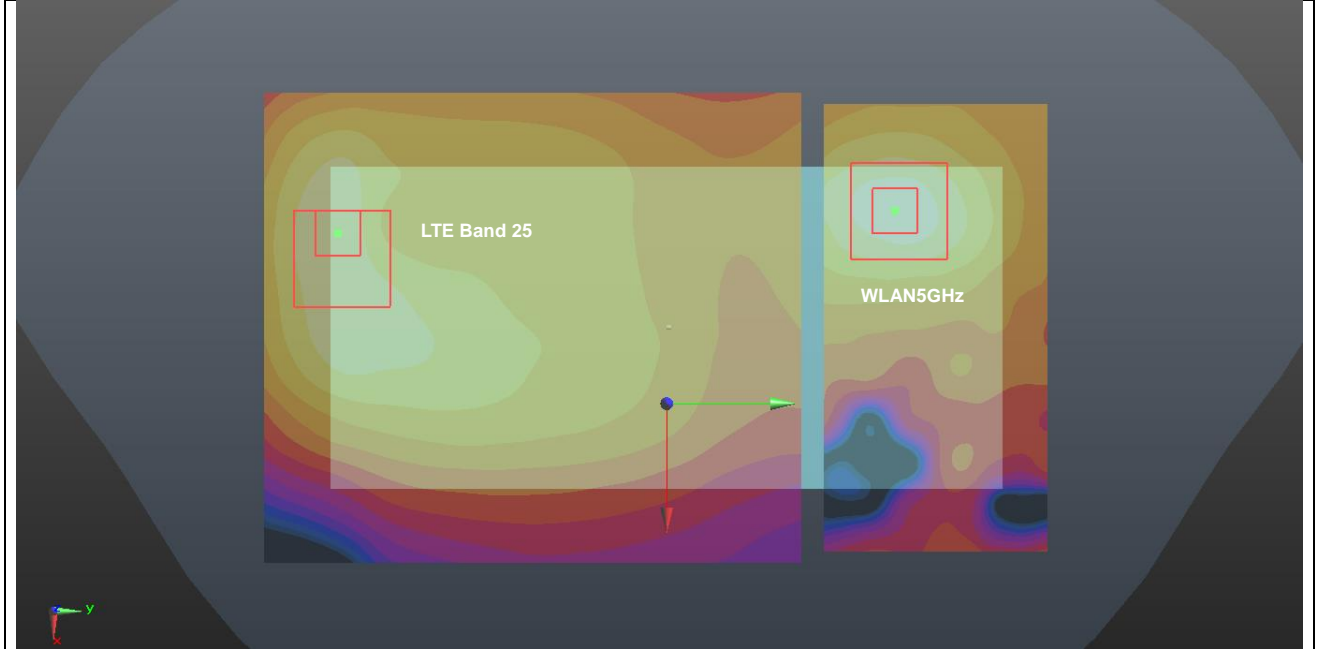


Case #40	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25	Back	1.256	5	-22.6	-73.5	-2.45	140.0	2.34	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				

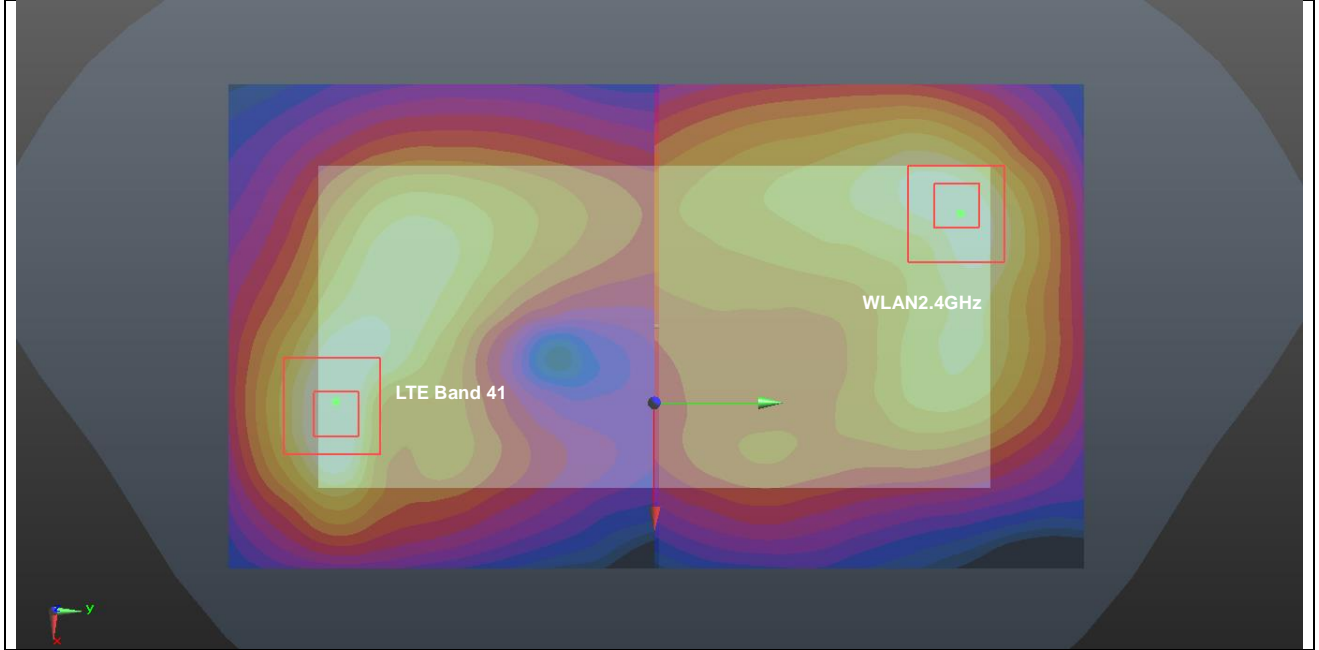




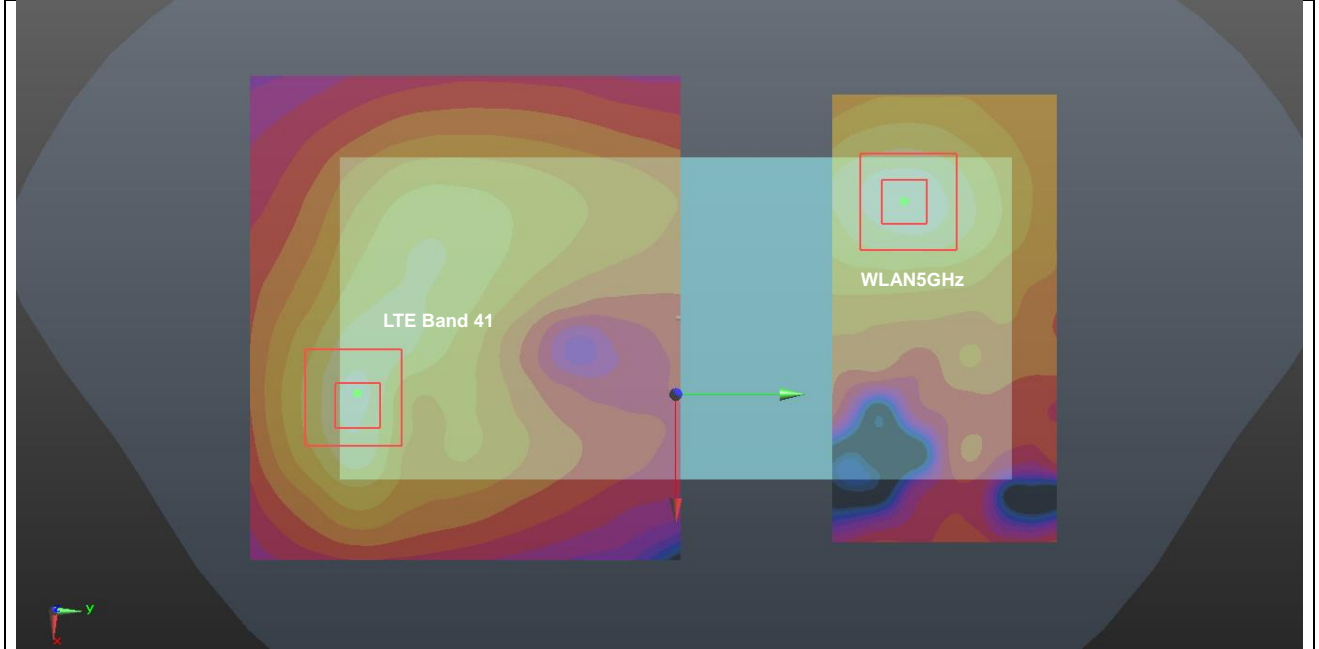
Case #41	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 25	Back	1.256	5	-22.6	-73.5	-2.45	124.5	2.45	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



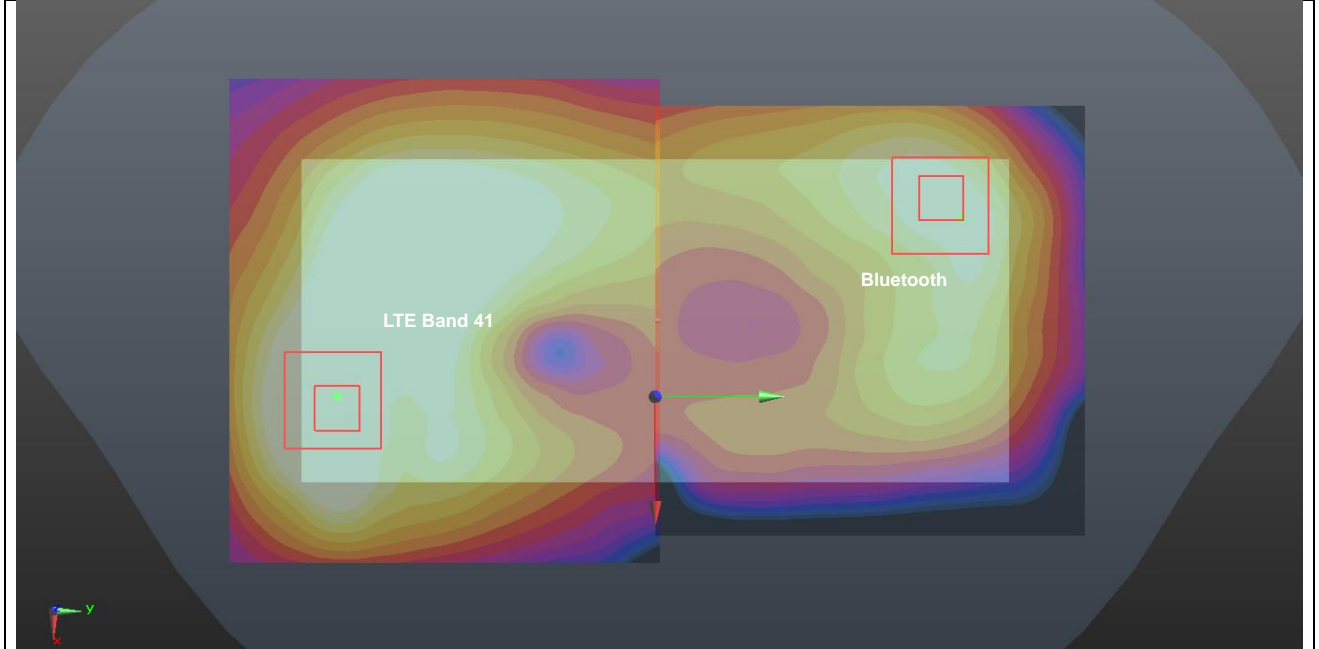
Case #42	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41	Back	1.403	5	19.8	-69	-2.29	143.7	2.49	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



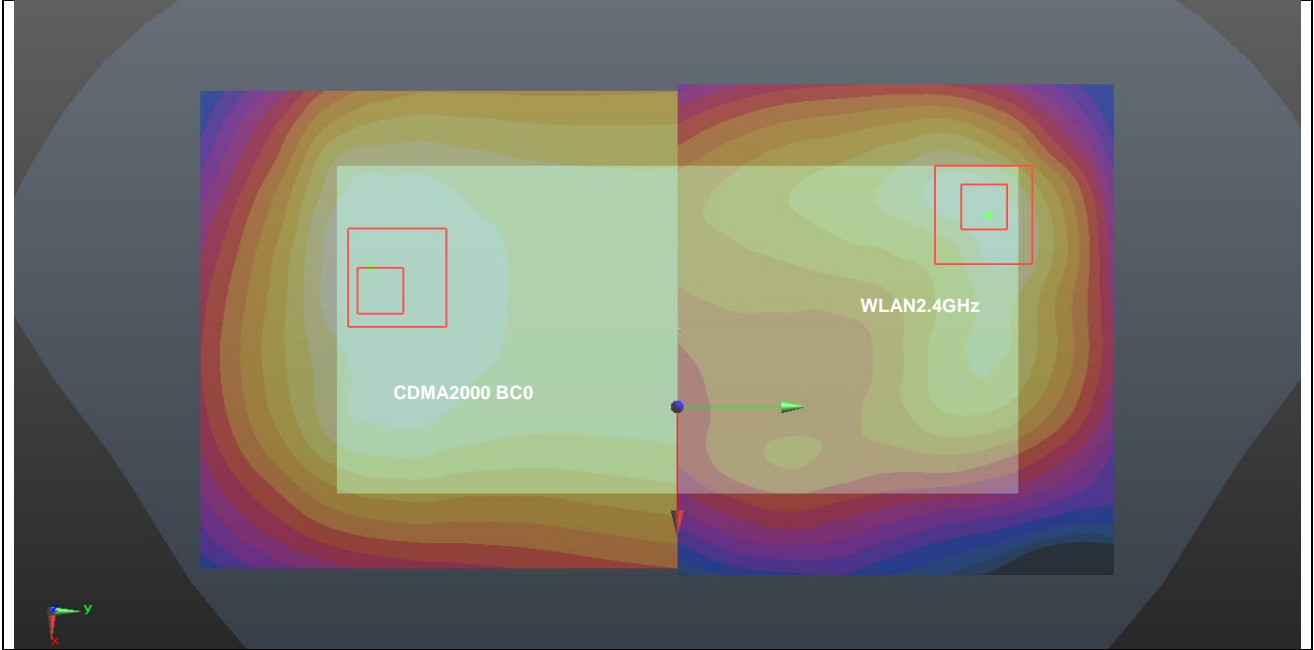
Case #43	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41	Back	1.403	5	19.8	-69	-2.29	128.2	2.60	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



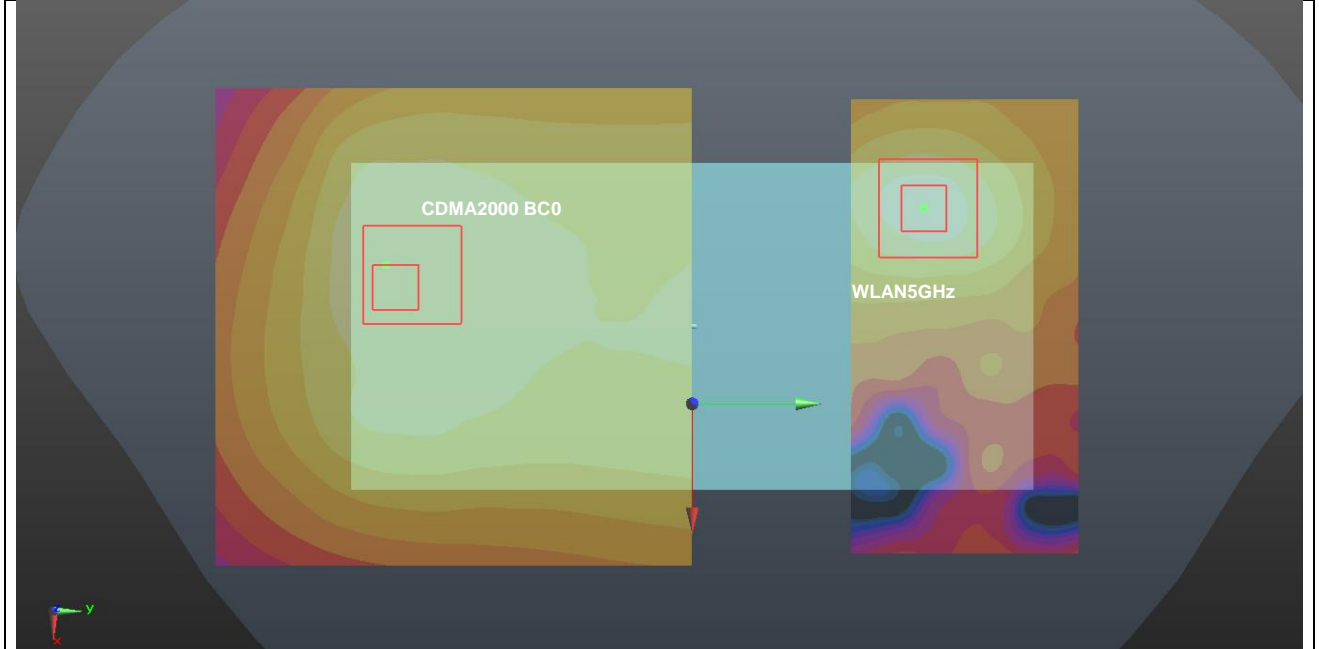
Case #44	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	LTE Band 41	Back	1.403	5	19.8	-69	-2.29	141.3	1.62	0.01	Not required
	Bluetooth		0.214	5	-26.8	64.4	-2.13				



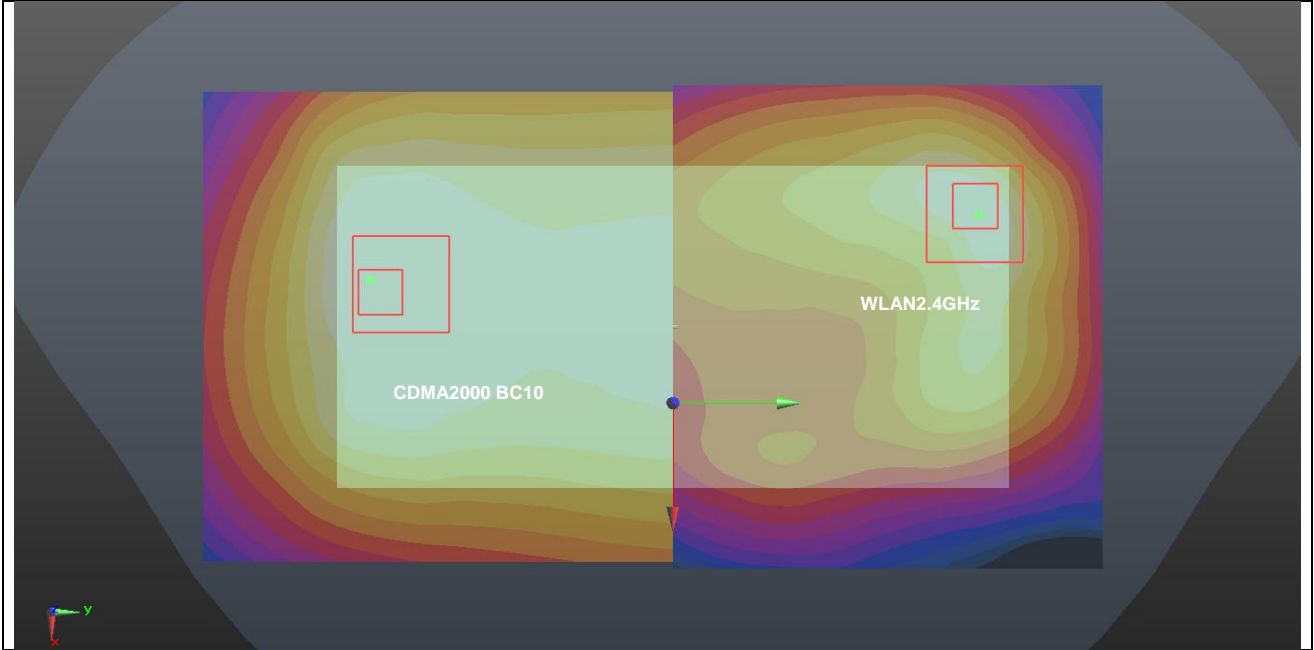
Case #45	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	1.26	5	-5.5	-67.5	-2.39	135.8	2.35	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



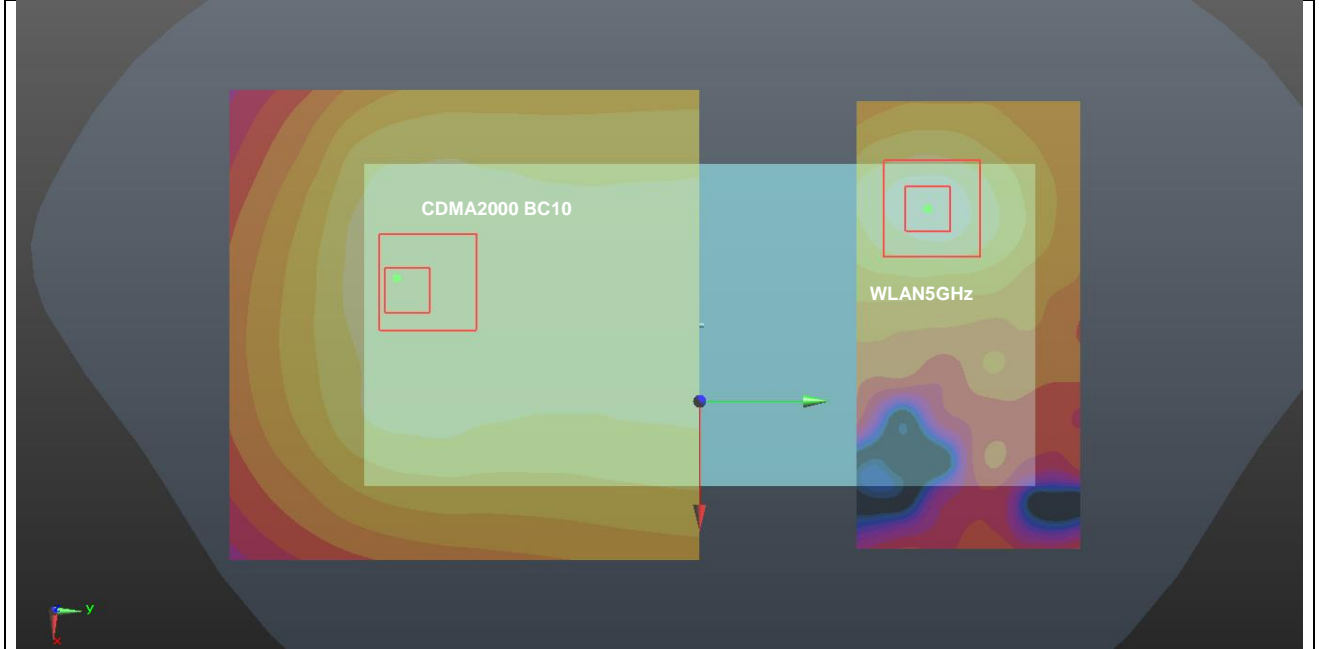
Case #46	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC0	Back	1.26	5	-5.5	-67.5	-2.39	120.1	2.46	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



Case #47	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 BC10	Back	1.217	5	-4.1	-67.5	-2.43	136.1	2.30	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				

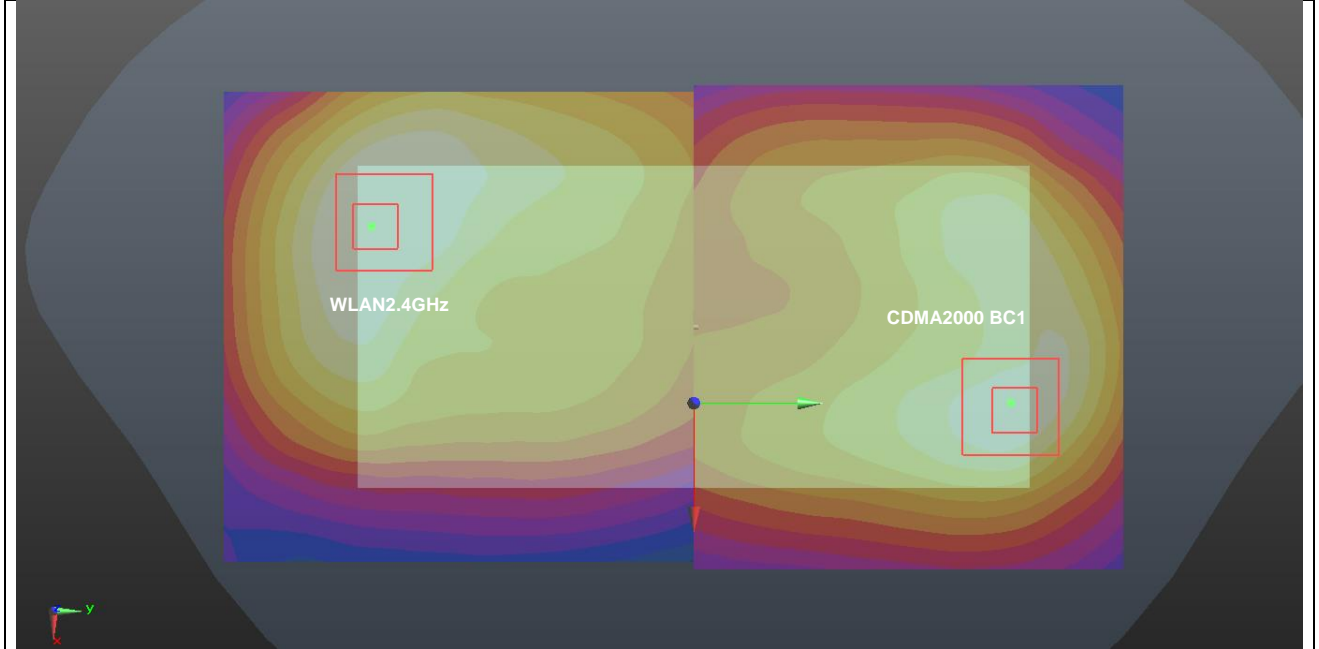


Case #48	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC10	Back	1.217	5	-4.1	-67.5	-2.43	120.4	2.41	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				

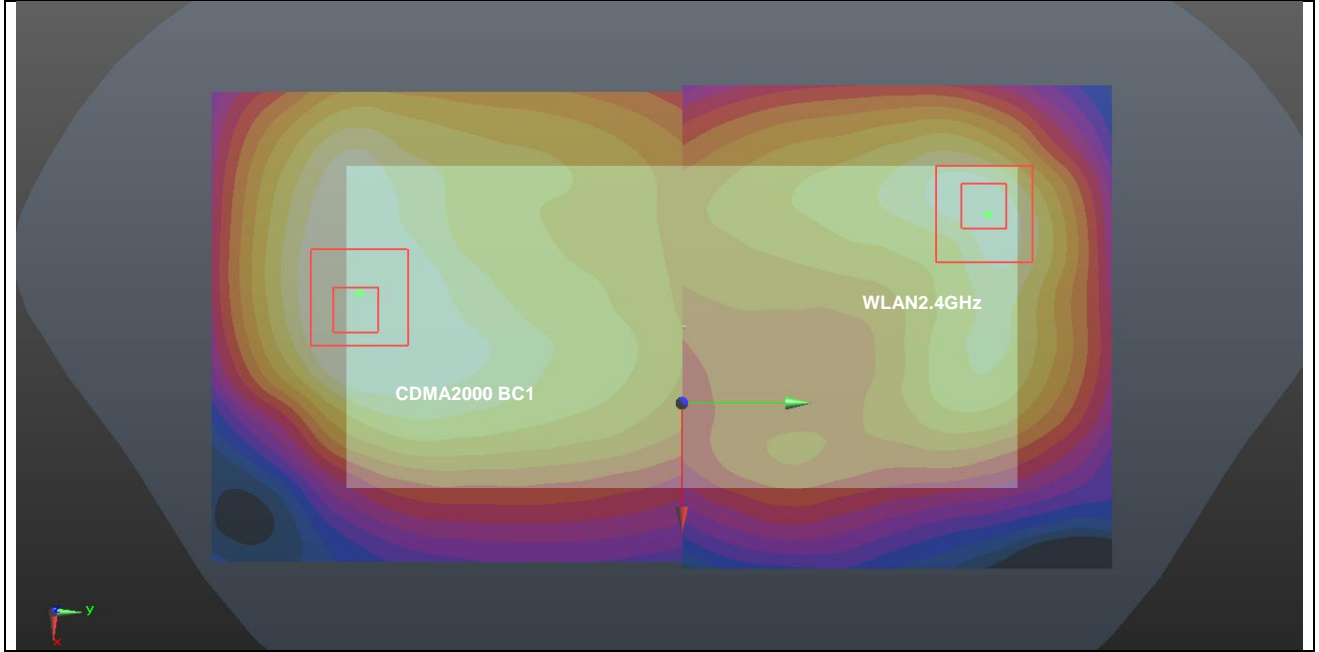




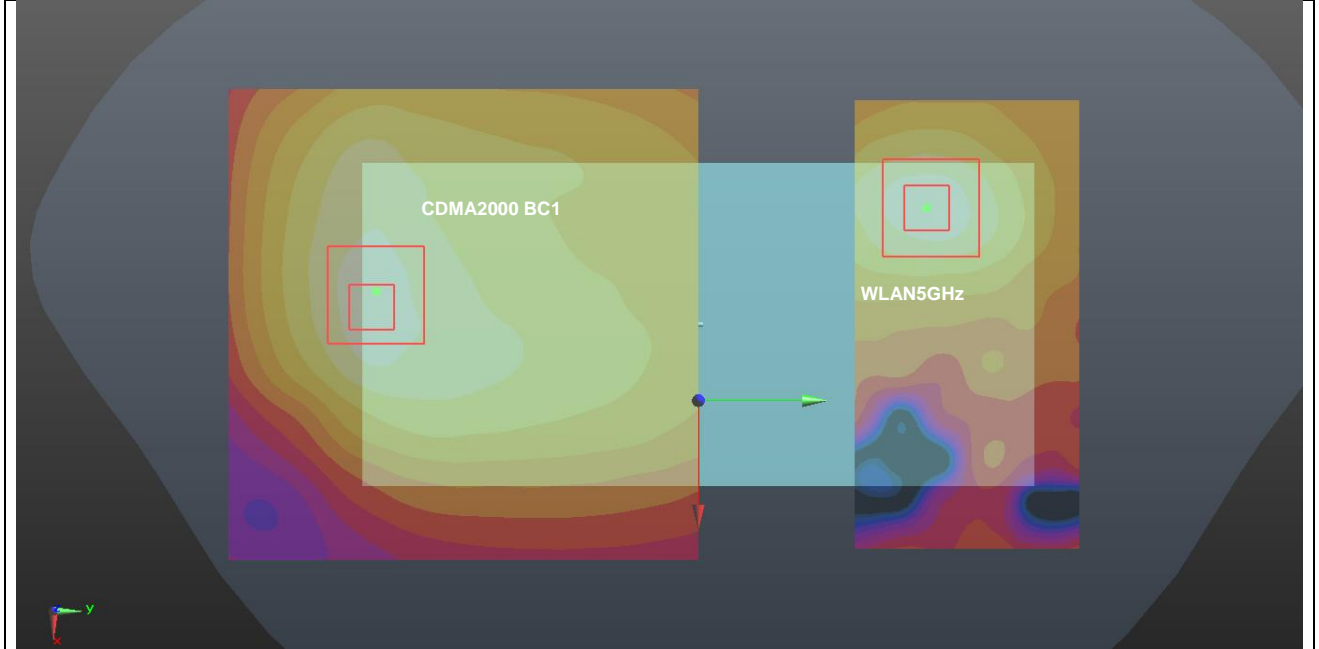
Case #49	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
	CDMA2000 BC1	Front	1.231	5	-22.5	-72	-0.72	123.0	1.80	0.02	Not required
	WLAN2.4GHz		0.572	5	-25.2	51	-2.33				



Case #50	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	1.287	5	-2.7	-73.6	-0.65	142.3	2.37	0.03	Not required
	WLAN2.4GHz		1.086	5	-28.2	66.4	-2.19				



Case #51	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	1.287	5	-2.7	-73.6	-0.65	126.6	2.48	0.03	Not required
	WLAN5GHz		1.195	5	-25.2	51	-2.33				



**Test Engineer:** Nick Hu



## **17. 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  $\leq 30\%$ , 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.



## **18. 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.

### System Check\_Head\_750MHz

**DUT: D750V3 - SN:1087**

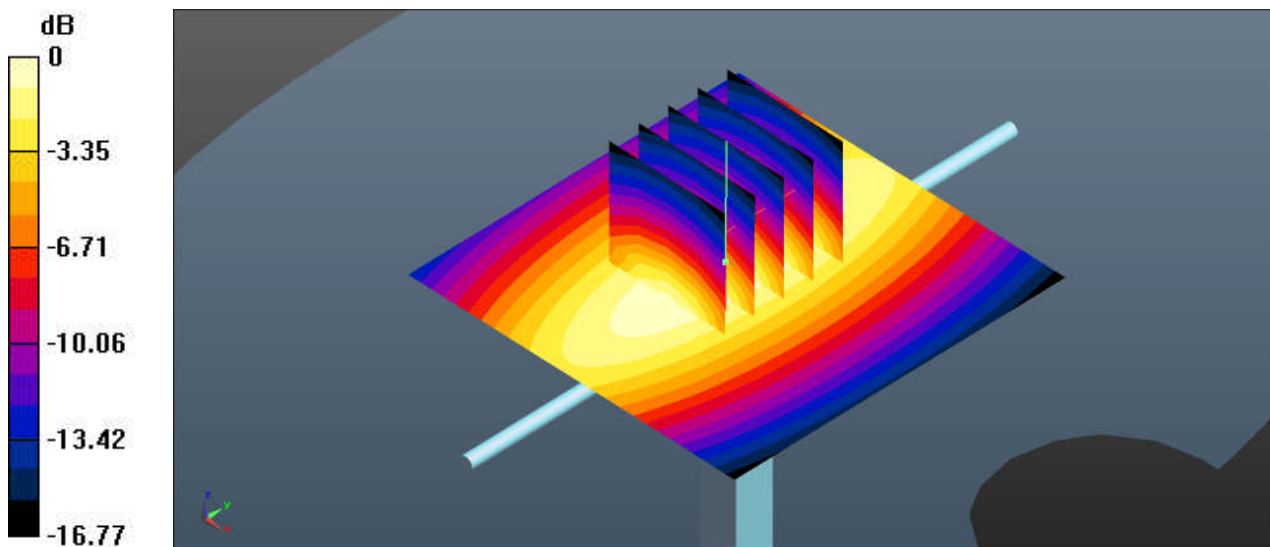
Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 750 \text{ MHz}$ ;  $\sigma = 0.9 \text{ S/m}$ ;  $\epsilon_r = 41.707$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $2.44 \text{ W/kg}$

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $46.25 \text{ V/m}$ ; Power Drift =  $0.04 \text{ dB}$   
Peak SAR (extrapolated) =  $2.94 \text{ W/kg}$   
**SAR(1 g) =  $2.01 \text{ W/kg}$ ; SAR(10 g) =  $1.35 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $2.45 \text{ W/kg}$



0 dB =  $2.44 \text{ W/kg} = 3.87 \text{ dBW/kg}$

### System Check\_Head\_835MHz

**DUT: D835V2 - SN:4d151**

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.902 \text{ S/m}$ ;  $\epsilon_r = 41.778$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $4.72 \text{ W/kg}$

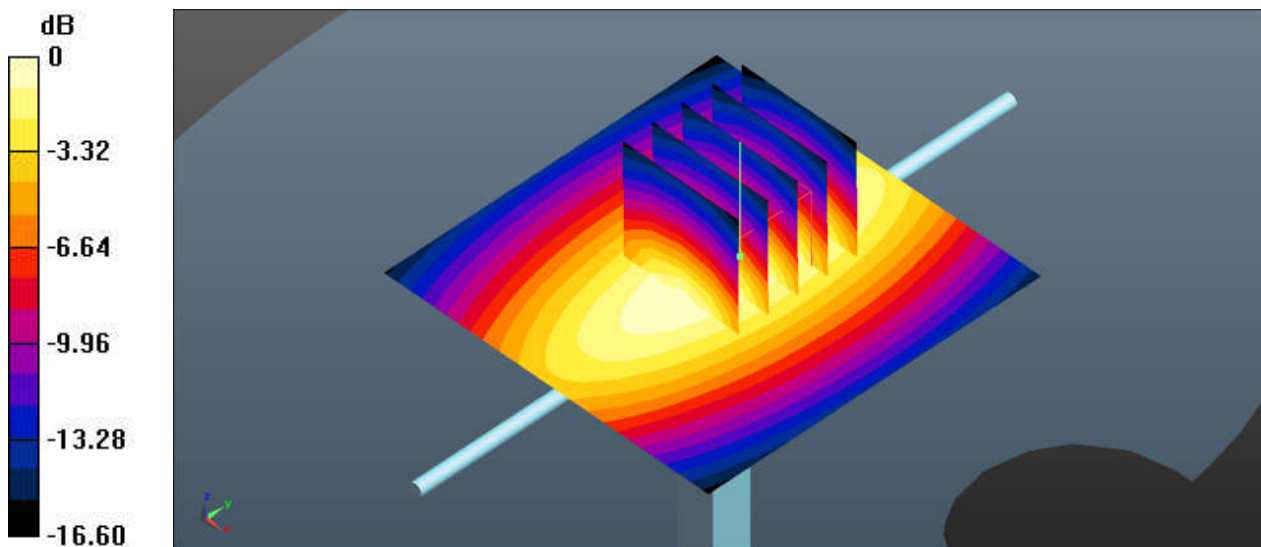
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $66.70 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $5.92 \text{ W/kg}$

**SAR(1 g) =  $2.43 \text{ W/kg}$ ; SAR(10 g) =  $1.44 \text{ W/kg}$**

Maximum value of SAR (measured) =  $4.74 \text{ W/kg}$



0 dB =  $4.72 \text{ W/kg} = 6.74 \text{ dBW/kg}$



### System Check\_Head\_1750MHz

**DUT: D1750V2 - SN:1090**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 40.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.59, 5.59, 5.59); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 25.8 W/kg

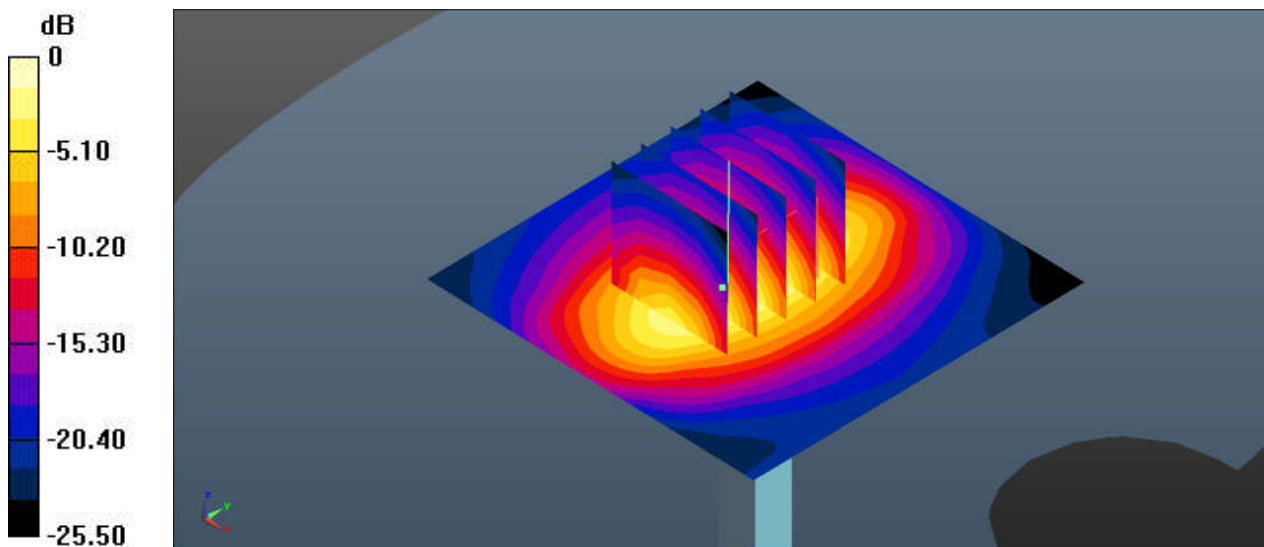
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 129.7 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 30.9 W/kg

**SAR(1 g) = 9.32 W/kg; SAR(10 g) = 4.62 W/kg**

Maximum value of SAR (measured) = 26.0 W/kg



0 dB = 25.8 W/kg = 14.12 dBW/kg

### System Check\_Head\_1900MHz

**DUT: D1900V2 - SN:5d170**

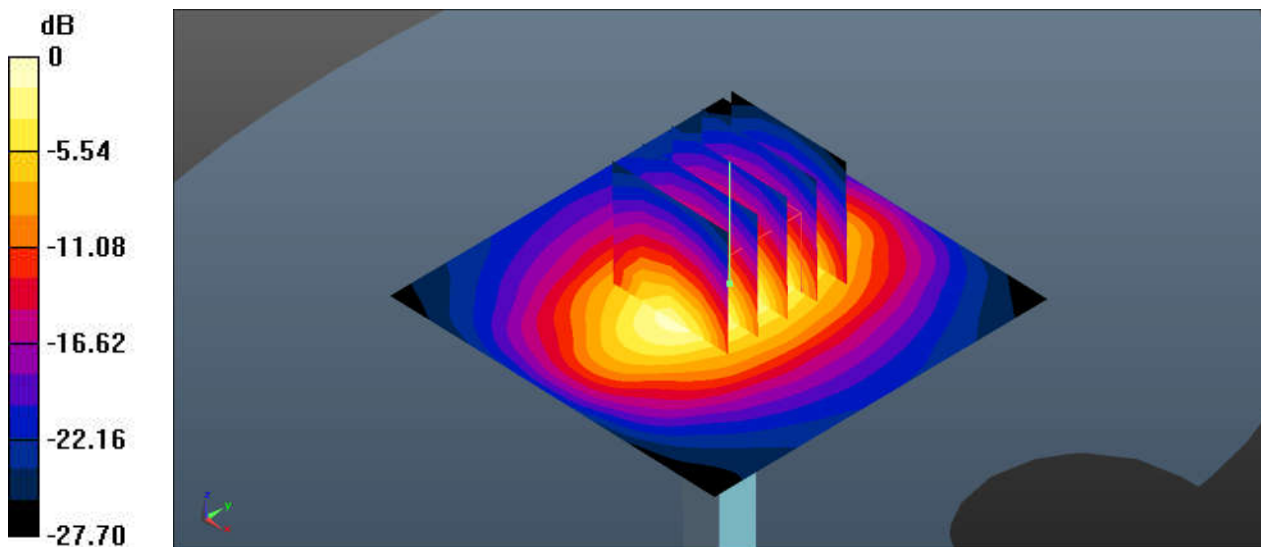
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.427$  S/m;  $\epsilon_r = 38.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 31.0 W/kg

**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 140.4 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 37.4 W/kg  
**SAR(1 g) = 9.9 W/kg; SAR(10 g) = 5.22 W/kg**  
Maximum value of SAR (measured) = 31.3 W/kg



0 dB = 31.0 W/kg = 14.91 dBW/kg

### System Check\_Head\_2450Hz

#### DUT: D2450V2 - SN:908

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL\_2450 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.845$  S/m;  $\epsilon_r = 38.195$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.53, 4.53, 4.53); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.1.25
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 16.1 W/kg

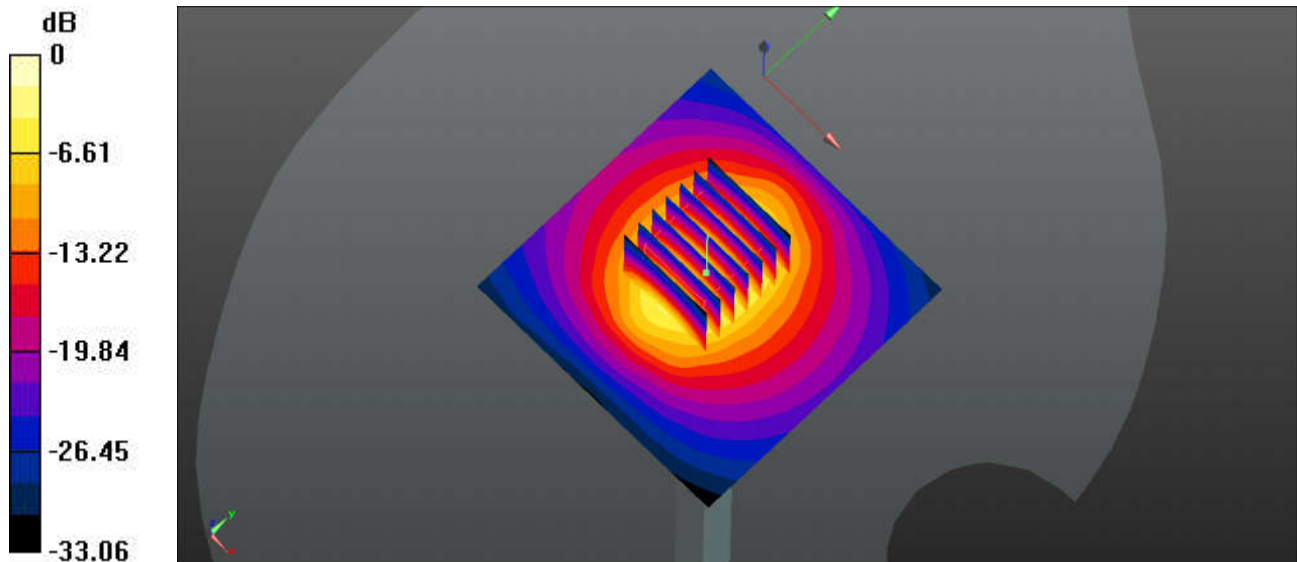
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 79.23 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 20.4 W/kg

**SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.61 W/kg**

Maximum value of SAR (measured) = 16.1 W/kg



0 dB = 16.1 W/kg = 12.07 dBW/kg

**System Check\_Head\_2600MHz**

**DUT: D2600V2 - SN:1061**

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

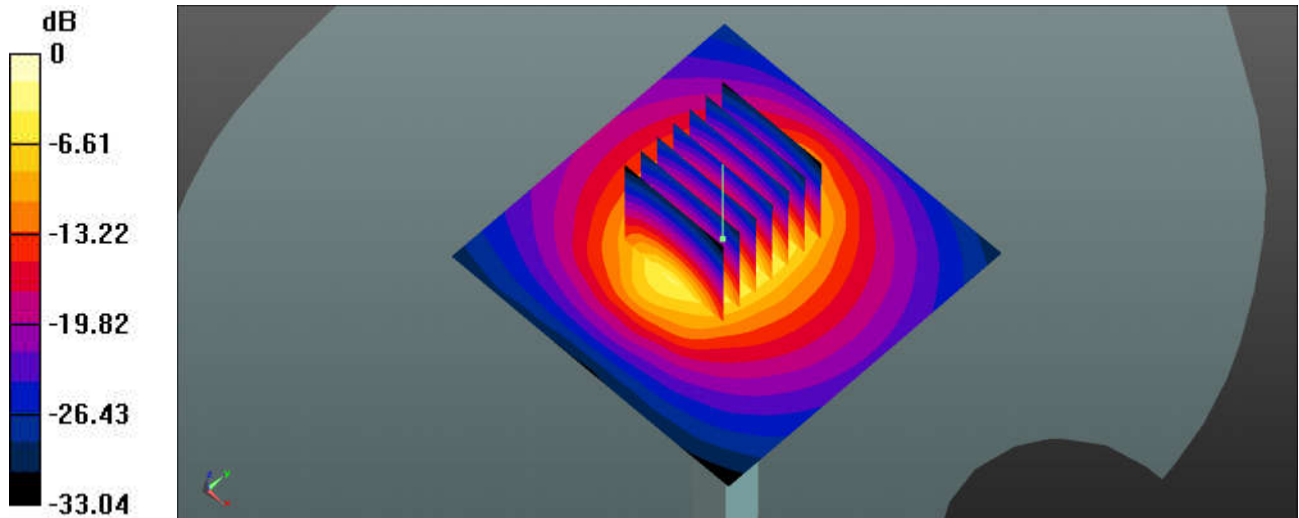
Medium: HSL\_2600 Medium parameters used:  $f = 2600 \text{ MHz}$ ;  $\sigma = 2.037 \text{ S/m}$ ;  $\epsilon_r = 38.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.44, 4.44, 4.44); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.1.25
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Pin=250mW/Area Scan (71x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $20.2 \text{ W/kg}$

**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value =  $81.33 \text{ V/m}$ ; Power Drift =  $0.14 \text{ dB}$   
 Peak SAR (extrapolated) =  $27.4 \text{ W/kg}$   
**SAR(1 g) =  $14.1 \text{ W/kg}$ ; SAR(10 g) =  $6.51 \text{ W/kg}$**   
 Maximum value of SAR (measured) =  $19.7 \text{ W/kg}$



0 dB =  $20.2 \text{ W/kg} = 13.05 \text{ dBW/kg}$

### System Check\_Head\_5250MHz

**DUT: D5GHzV2-SN:1006**

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HSL\_5000 Medium parameters used:  $f = 5250$  MHz;  $\sigma = 4.844$  S/m;  $\epsilon_r = 36.985$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.6 °C

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: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 15.4 W/kg

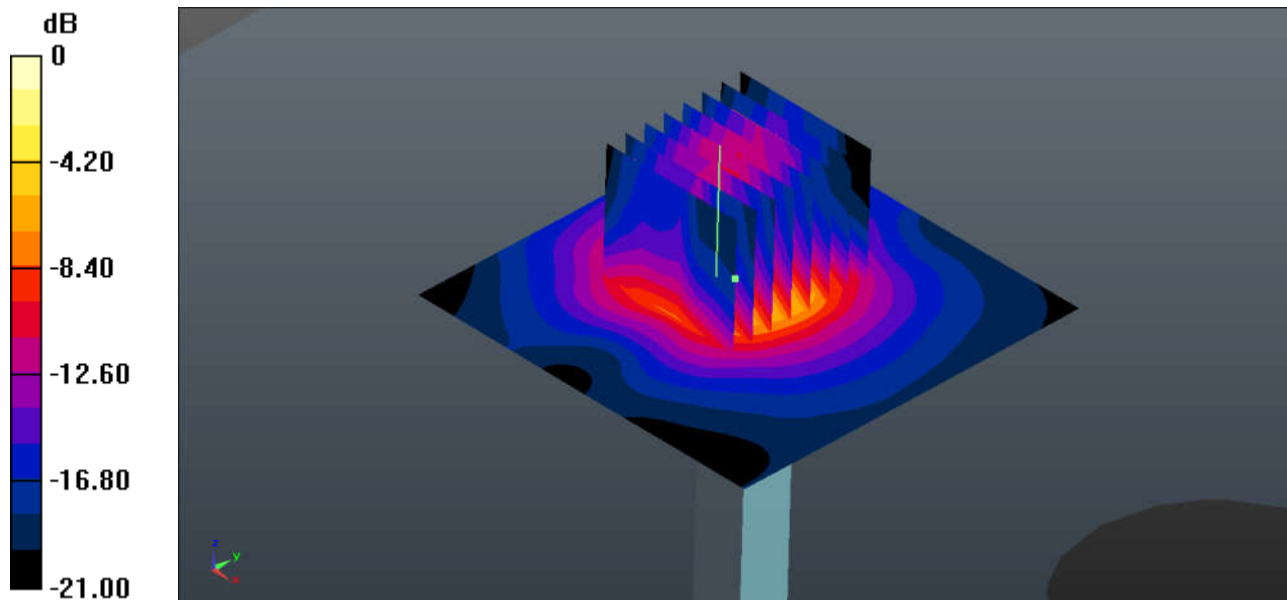
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 30.77 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 21.3 W/kg

**SAR(1 g) = 7.89 W/kg; SAR(10 g) = 2.3 W/kg**

Maximum value of SAR (measured) = 14.9 W/kg



0 dB = 14.9 W/kg = 11.73 dBW/kg

### System Check\_Head\_5600MHz

**DUT: D5GHzV2-SN:1006**

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Medium: HSL\_5000 Medium parameters used:  $f = 5600 \text{ MHz}$ ;  $\sigma = 5.212 \text{ S/m}$ ;  $\epsilon_r = 36.458$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.3 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.8 \text{ }^\circ\text{C}$

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: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) =  $19.2 \text{ W/kg}$

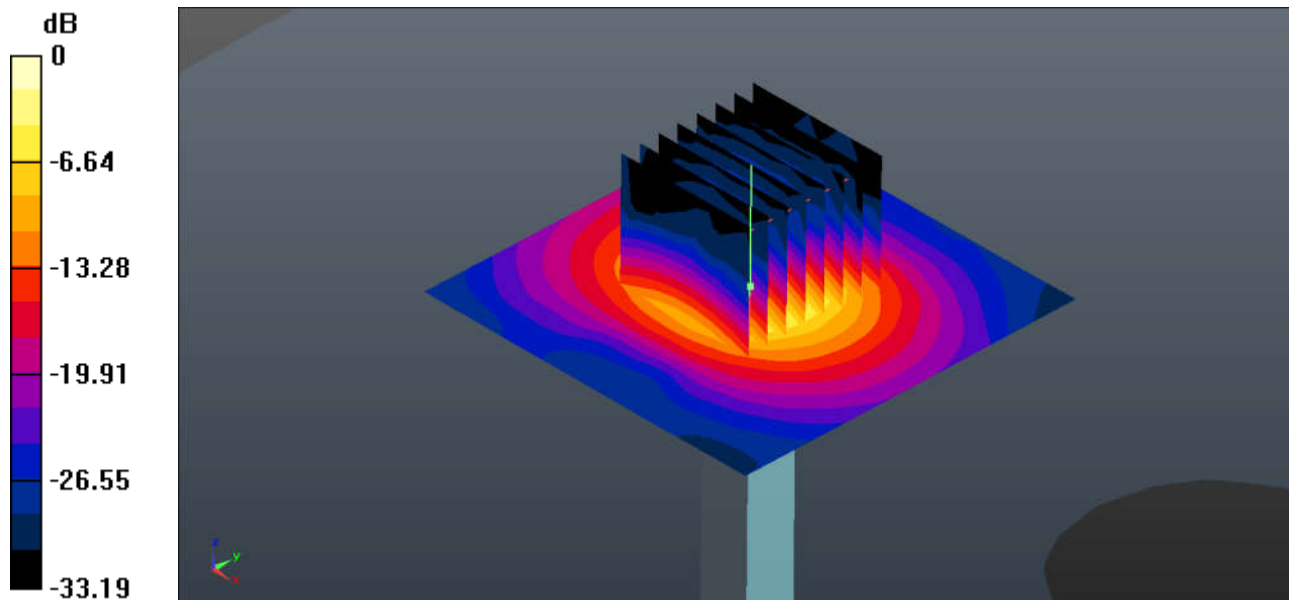
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value =  $39.08 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $33.9 \text{ W/kg}$

**SAR(1 g) =  $7.81 \text{ W/kg}$ ; SAR(10 g) =  $2.24 \text{ W/kg}$**

Maximum value of SAR (measured) =  $18.4 \text{ W/kg}$



0 dB =  $18.4 \text{ W/kg} = 12.65 \text{ dBW/kg}$

### System Check\_Head\_5750MHz

#### DUT: D5GHzV2-SN:1006

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1

Medium: HSL\_5000 Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.377$  S/m;  $\epsilon_r = 36.232$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.7 °C

#### 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: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Pin=100mW/Area Scan (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 17.3 W/kg

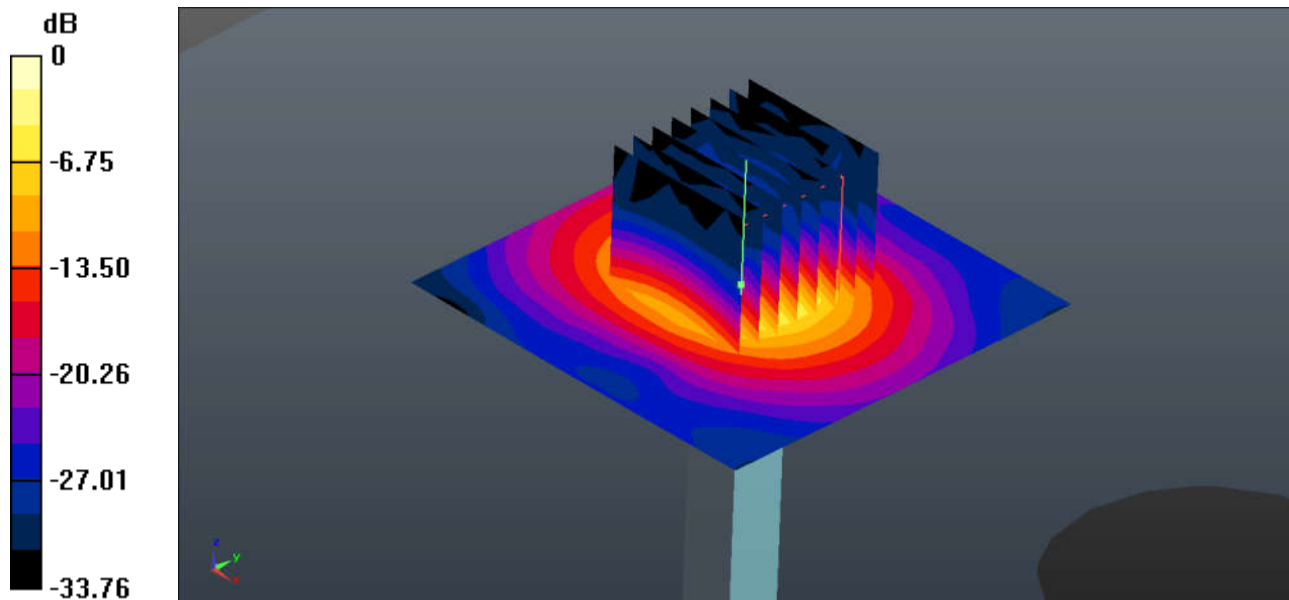
**Pin=100mW/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 37.16 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 33.3 W/kg

**SAR(1 g) = 7.65 W/kg; SAR(10 g) = 2.25 W/kg**

Maximum value of SAR (measured) = 17.6 W/kg



0 dB = 17.6 W/kg = 12.46 dBW/kg



**Appendix B. Plots of High SAR Measurement**

The plots are shown as follows.



### 01\_GSM850\_GPRS (4 Tx slots)\_Left Cheek\_0mm\_OFF\_Ch251

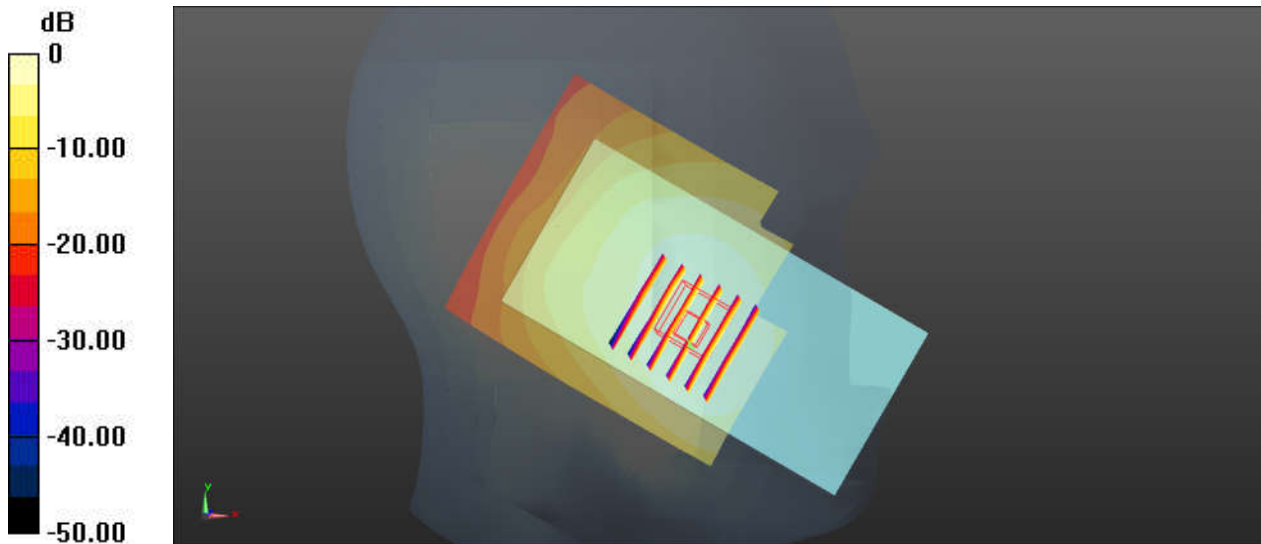
Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:8.30  
Medium: HSL\_850 Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 41.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch251/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.569 W/kg

**Ch251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.223 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.673 W/kg  
**SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.372 W/kg**  
Maximum value of SAR (measured) = 0.553 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

**02\_GSM 1900\_GPRS (4 Tx slot)\_Left Cheek\_0mm\_Ch810**

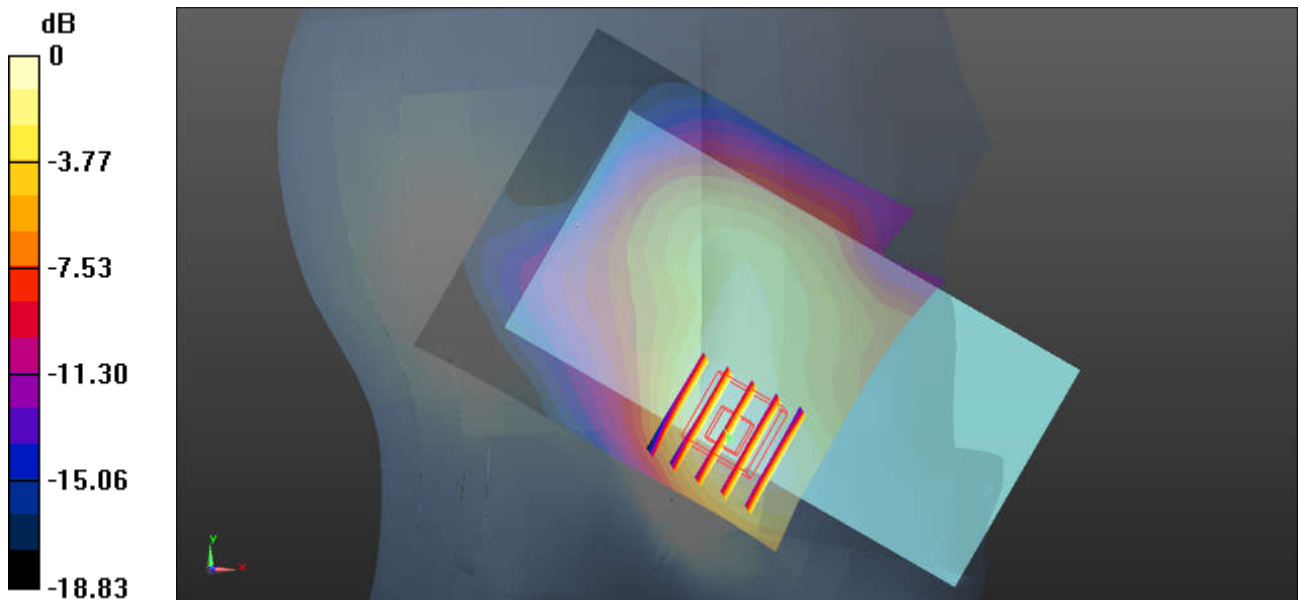
Communication System: UID 0, PCS-4UP (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.08  
 Medium: HSL\_1900 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.383 \text{ S/m}$ ;  $\epsilon_r = 39.69$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.9 \text{ }^\circ\text{C}$

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch810/Area Scan (71x81x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
 Maximum value of SAR (interpolated) =  $0.364 \text{ W/kg}$

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Reference Value =  $4.829 \text{ V/m}$ ; Power Drift =  $0.14 \text{ dB}$   
 Peak SAR (extrapolated) =  $0.453 \text{ W/kg}$   
**SAR(1 g) =  $0.291 \text{ W/kg}$ ; SAR(10 g) =  $0.183 \text{ W/kg}$**   
 Maximum value of SAR (measured) =  $0.343 \text{ W/kg}$



0 dB =  $0.343 \text{ W/kg}$  =  $-4.65 \text{ dBW/kg}$

### 03\_WCDMA V\_RMC 12.2Kbps\_Left Cheek\_0mm\_OFF\_Ch4132

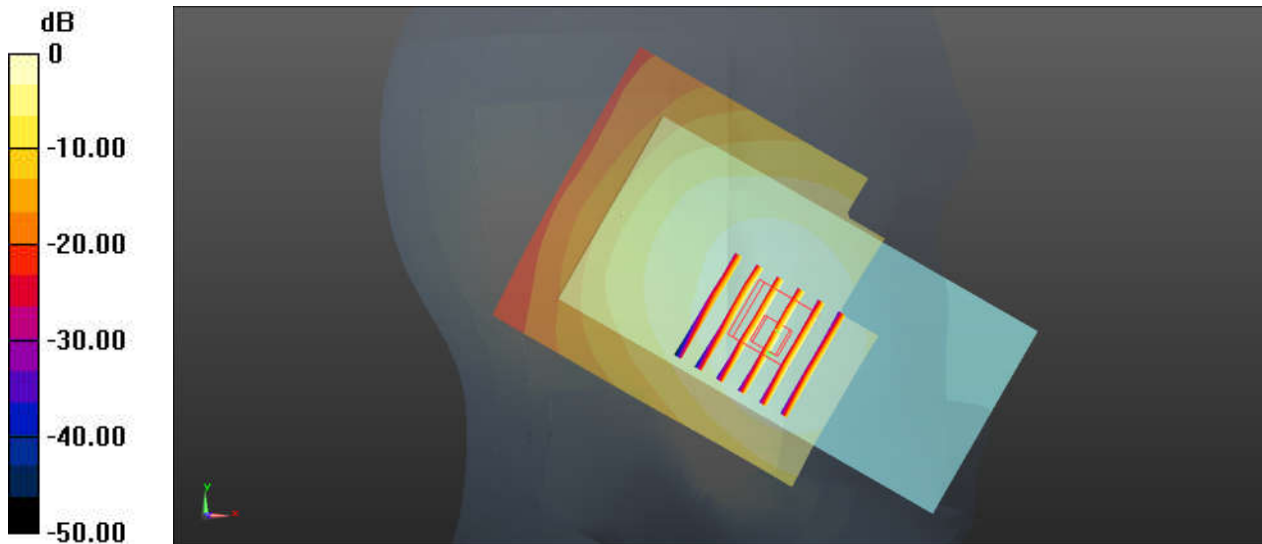
Communication System: UID 0, WCDMA (0); Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.895$  S/m;  $\epsilon_r = 41.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch4132/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.562 W/kg

**Ch4132/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.376 V/m; Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 0.650 W/kg  
**SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.382 W/kg**  
Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.562 W/kg = -2.50 dBW/kg

### 04\_WCDMA IV\_RMC 12.2Kbps\_Right Cheek\_0mm\_OFF\_Ch1413

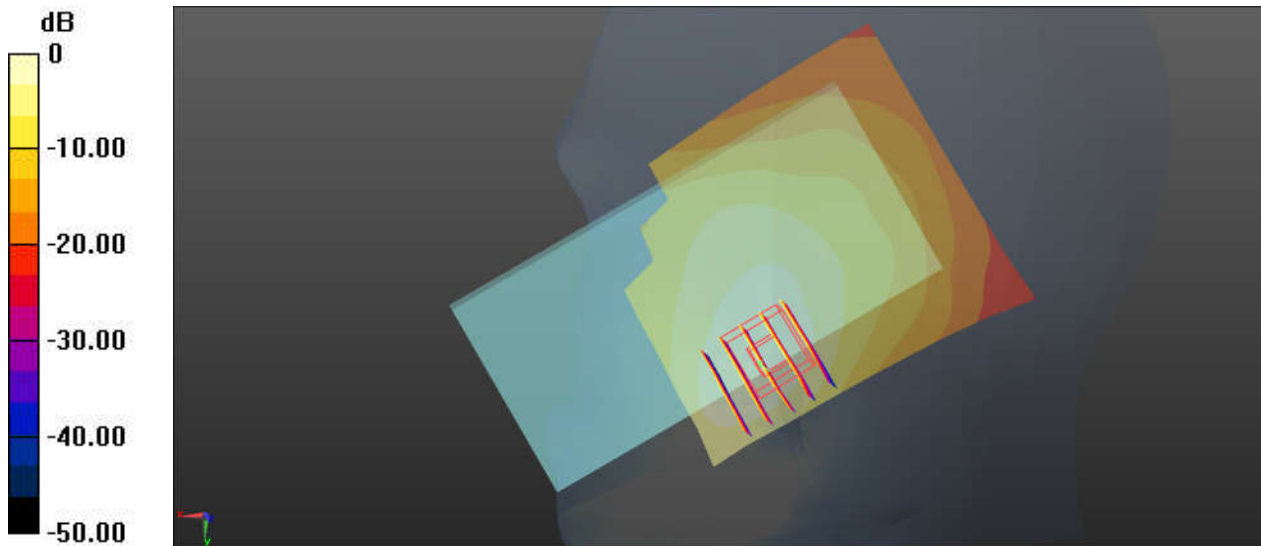
Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1732.6$  MHz;  $\sigma = 1.363$  S/m;  $\epsilon_r = 41.153$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.59, 5.59, 5.59); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1413/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.375 W/kg

**Ch1413/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.519 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.440 W/kg  
**SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.188 W/kg**  
Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.375 W/kg = -4.26 dBW/kg

**05\_WCDMA II\_RMC12.2Kbps\_Left Cheek\_0mm\_Ch9400**

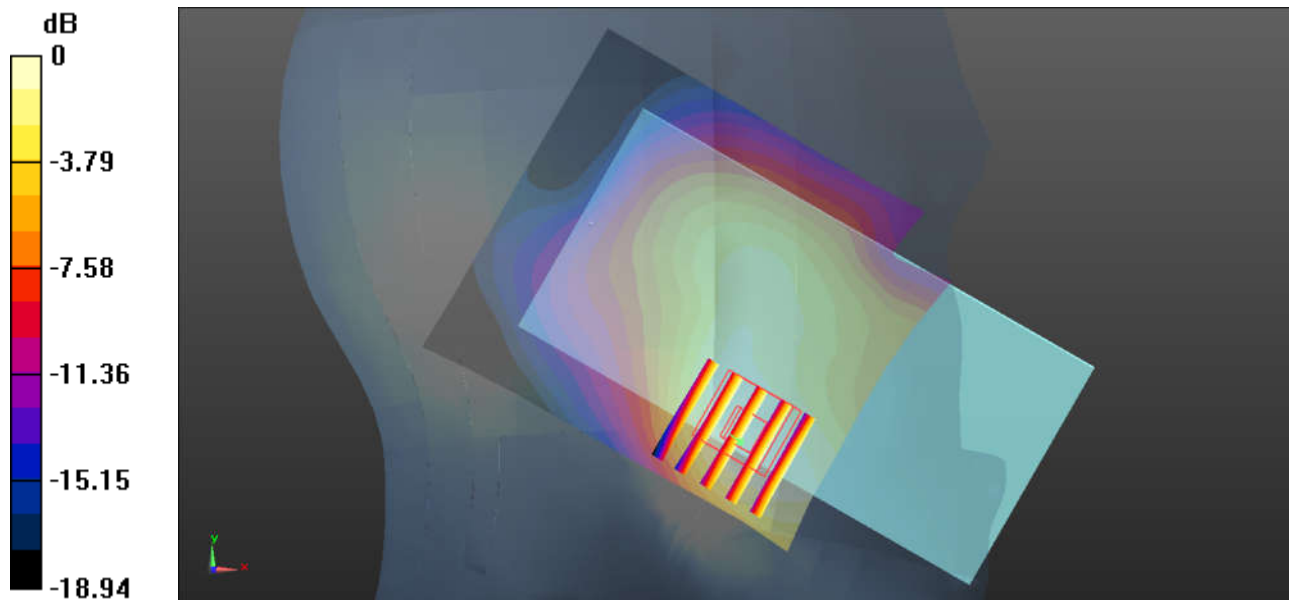
Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: HSL\_1900 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.352$  S/m;  $\epsilon_r = 39.804$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch9400/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.785 W/kg

**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 7.639 V/m; Power Drift = 0.06 dB  
 Peak SAR (extrapolated) = 0.945 W/kg  
**SAR(1 g) = 0.617 W/kg; SAR(10 g) = 0.395 W/kg**  
 Maximum value of SAR (measured) = 0.718 W/kg



0 dB = 0.718 W/kg = -1.44 dBW/kg

### 06\_CDMA2000 BC0\_RC3 SO55\_Left Cheek\_0mm\_OFF\_Ch1013

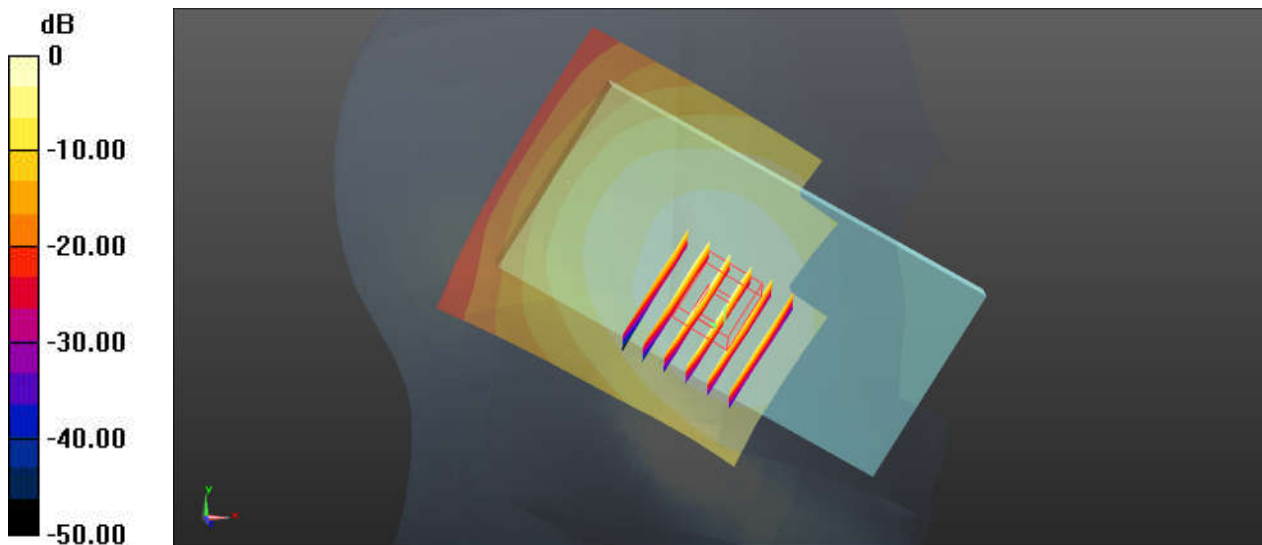
Communication System: UID 0, CDMA (0); Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 824.7$  MHz;  $\sigma = 0.893$  S/m;  $\epsilon_r = 41.912$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1013/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.577 W/kg

**Ch1013/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.38 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.673 W/kg  
**SAR(1 g) = 0.520 W/kg; SAR(10 g) = 0.392 W/kg**  
Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.577 W/kg = -2.39 dBW/kg

**07\_CDMA2000 BC10\_RC3 SO55\_Left Cheek\_0mm\_OFF\_Ch580**

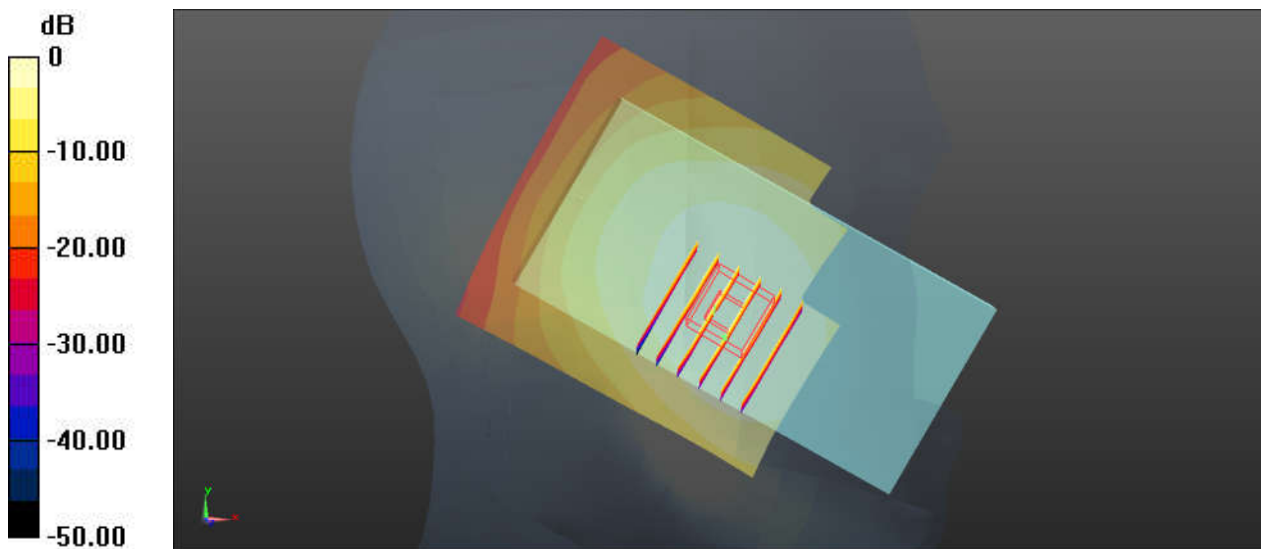
Communication System: UID 0, CDMA (0); Frequency: 820.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 820.5$  MHz;  $\sigma = 0.889$  S/m;  $\epsilon_r = 41.969$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch580/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.600 W/kg

**Ch580/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.56 V/m; Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.699 W/kg  
**SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.414 W/kg**  
Maximum value of SAR (measured) = 0.604 W/kg



0 dB = 0.600 W/kg = -2.22 dBW/kg

### 08\_CDMA2000 BC1\_RC3 SO55\_Left Cheek\_0mm\_OFF\_Ch25

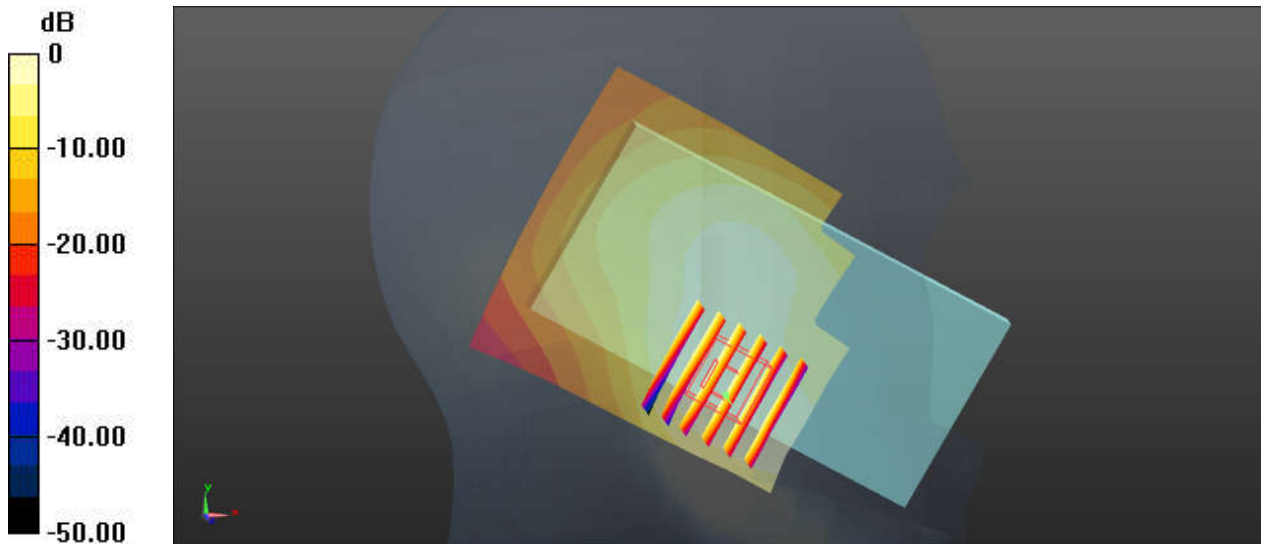
Communication System: UID 0, CDMA (0); Frequency: 1851.25 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.379$  S/m;  $\epsilon_r = 38.952$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch25/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm.  
Maximum value of SAR (interpolated) = 0.796 W/kg

**Ch25/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.352 V/m; Power Drift = 0.13 dB  
Peak SAR (extrapolated) = 1.01 W/kg  
**SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.441 W/kg**  
Maximum value of SAR (measured) = 0.776 W/kg



0 dB = 0.796 W/kg = -0.99 dBW/kg



**09\_LTE B71\_20M\_QPSK\_1RB\_0offset\_Right Cheek\_0mm\_OFF\_Ch133322**

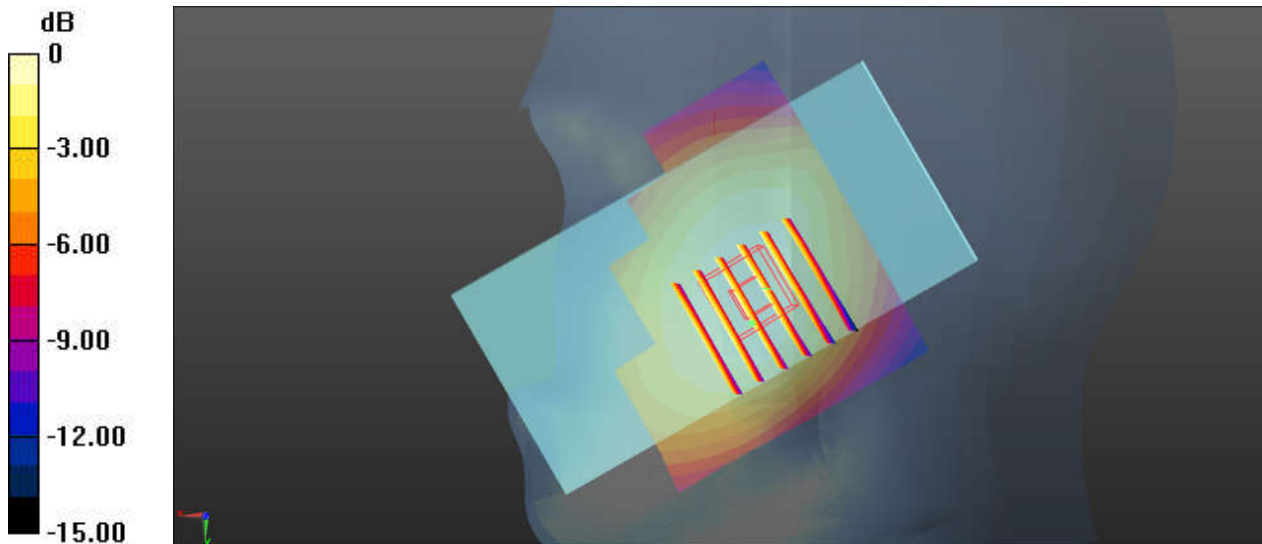
Communication System: UID 0, LTE-FDD (0); Frequency: 683 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 683 \text{ MHz}$ ;  $\sigma = 0.835 \text{ S/m}$ ;  $\epsilon_r = 42.538$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch133322/Area Scan (71x61x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.289 \text{ W/kg}$

**Ch133322/Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $7.597 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$   
Peak SAR (extrapolated) =  $0.333 \text{ W/kg}$   
**SAR(1 g) =  $0.269 \text{ W/kg}$ ; SAR(10 g) =  $0.213 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.286 \text{ W/kg}$



0 dB =  $0.289 \text{ W/kg}$  =  $-5.39 \text{ dBW/kg}$

### 10\_LTE B12\_10M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_OFF\_Ch23095

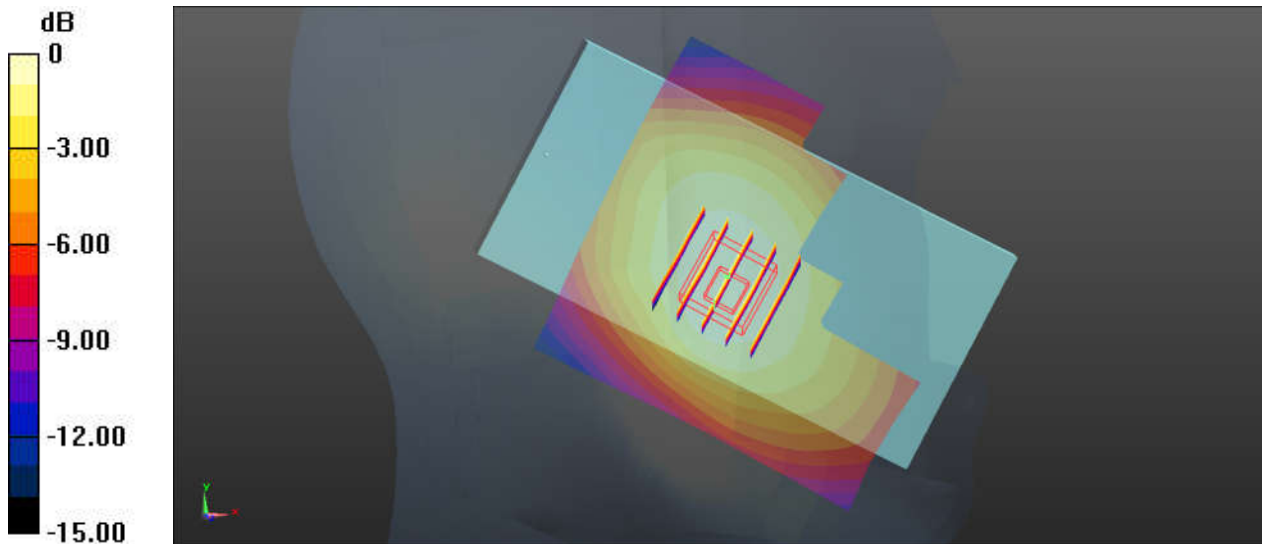
Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.858$  S/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23095/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.566 W/kg

**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 11.29 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.551 W/kg  
**SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.352 W/kg**  
Maximum value of SAR (measured) = 0.483 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

### 11\_LTE B13\_10M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_OFF\_Ch23230

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.926 \text{ S/m}$ ;  $\epsilon_r = 41.246$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.8 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23230/Area Scan (71x91x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.715 \text{ W/kg}$

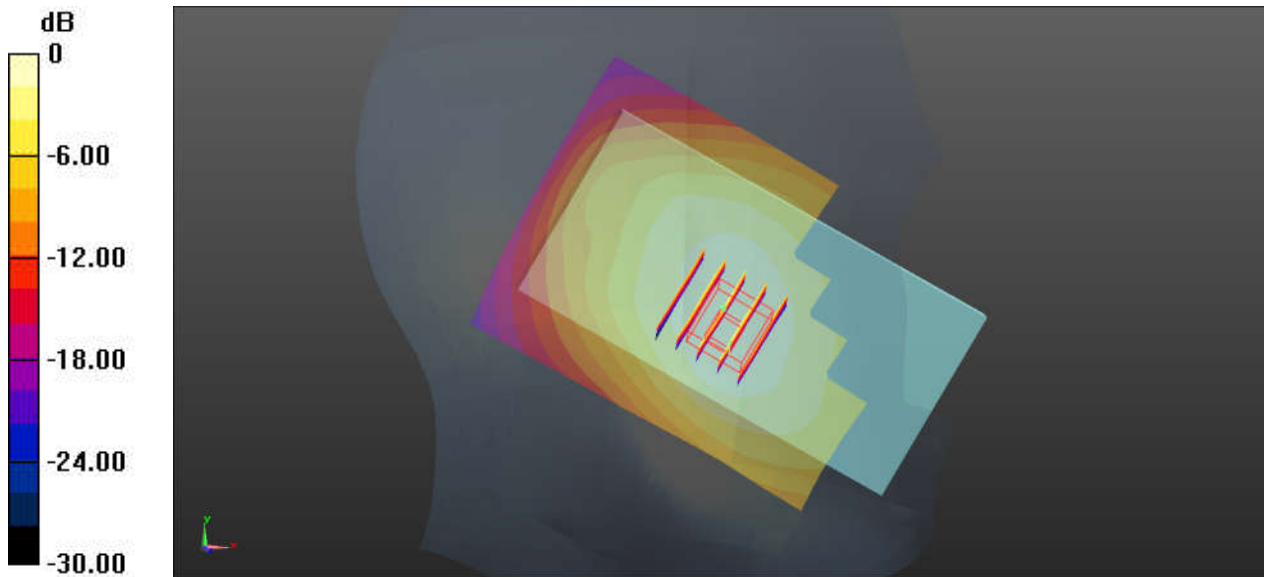
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.27 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.721 \text{ W/kg}$

**SAR(1 g) =  $0.571 \text{ W/kg}$ ; SAR(10 g) =  $0.437 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.622 \text{ W/kg}$



0 dB =  $0.715 \text{ W/kg} = -1.46 \text{ dBW/kg}$

### 12\_LTE B26\_15M\_QPSK\_1RB\_74offset\_Left Cheek\_0mm\_OFF\_Ch26865

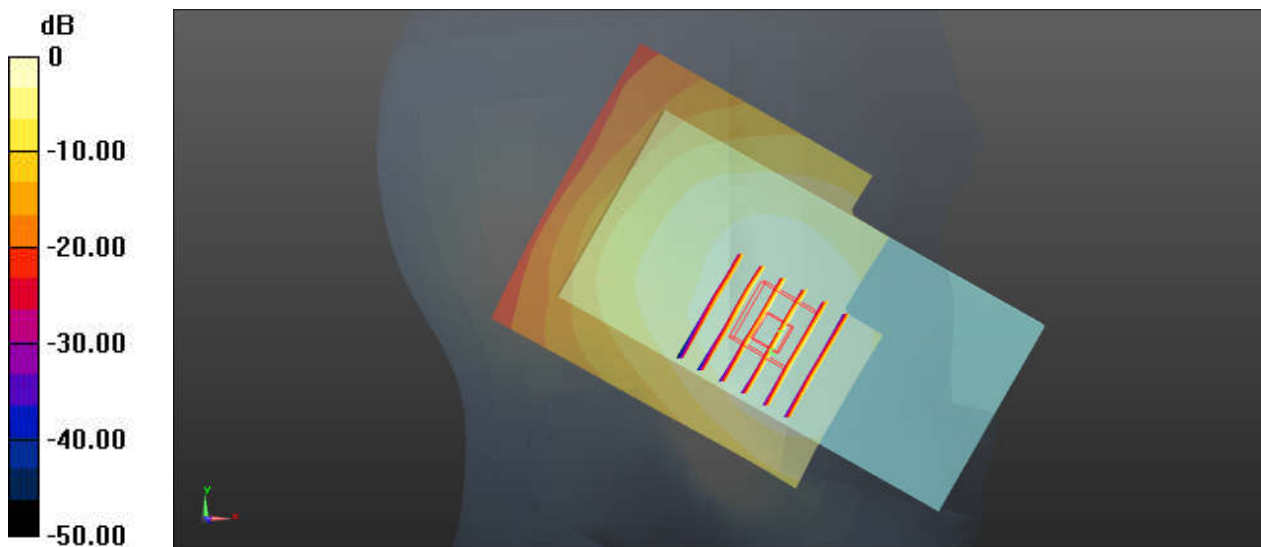
Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 41.825$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26865/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.575 W/kg

**Ch26865/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.920 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.669 W/kg  
**SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.392 W/kg**  
Maximum value of SAR (measured) = 0.564 W/kg



0 dB = 0.575 W/kg = -2.40 dBW/kg

### 13\_LTE B66\_20M\_QPSK\_1RB\_0offset\_Right Cheek\_0mm\_OFF\_Ch132322

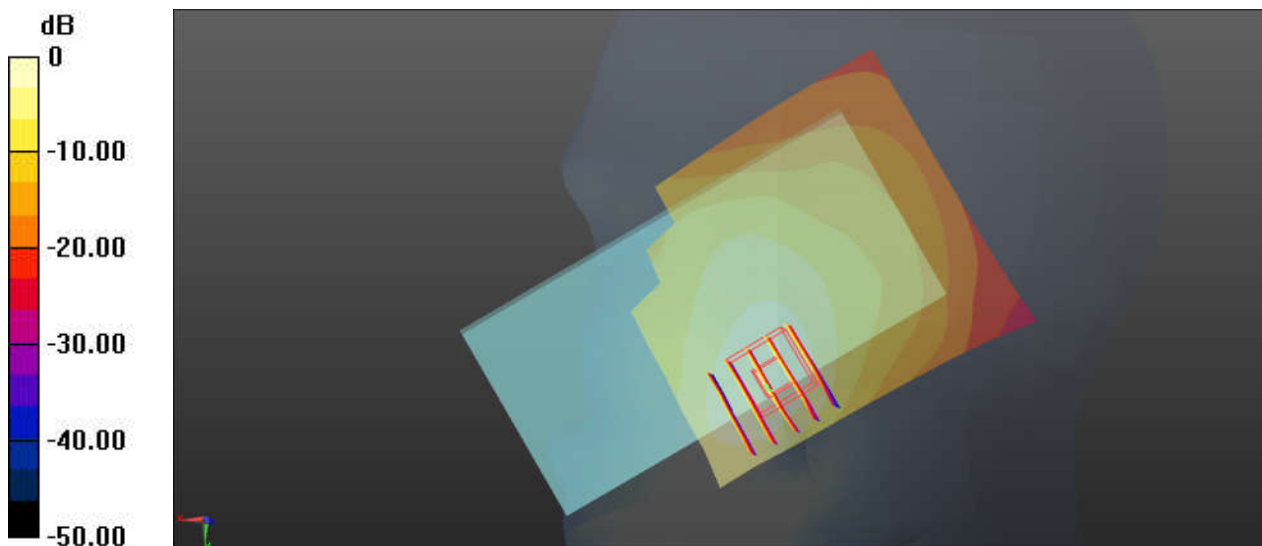
Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.346$  S/m;  $\epsilon_r = 40.515$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.59, 5.59, 5.59); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch132322/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.444 W/kg

**Ch132322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.791 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.556 W/kg  
**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.225 W/kg**  
Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.444 W/kg = -3.53 dBW/kg

### 14\_LTE B25\_20M\_QPSK\_1RB\_0offset\_Left Cheek\_0mm\_OFF\_Ch26590

Communication System: UID 0, LTE-FDD (0); Frequency: 1905 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1905$  MHz;  $\sigma = 1.432$  S/m;  $\epsilon_r = 38.709$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26590/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.736 W/kg

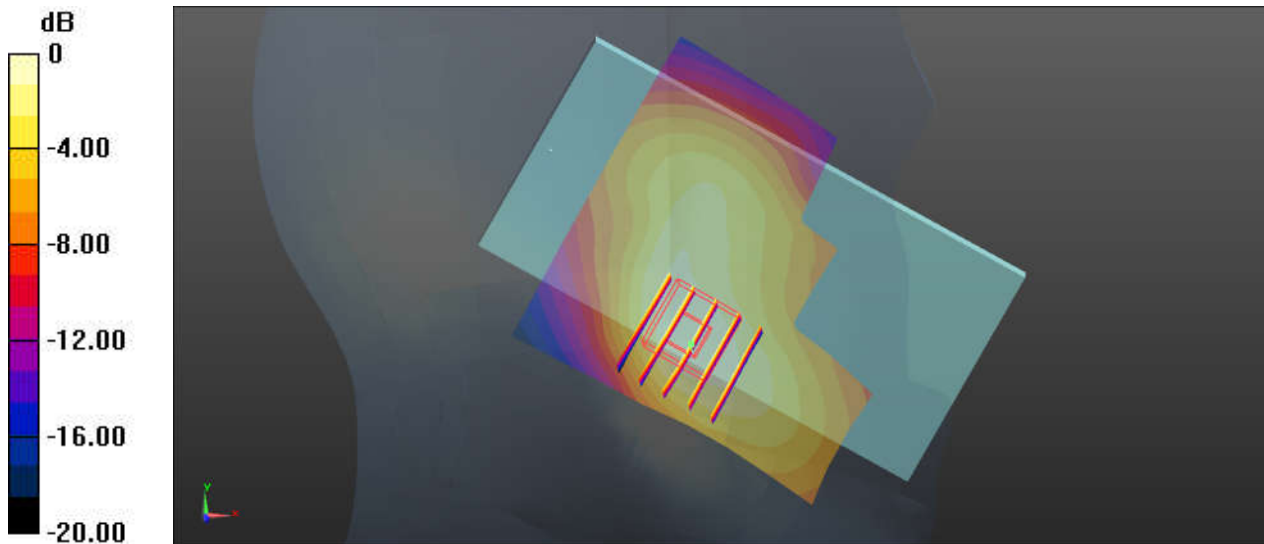
**Ch26590/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.518 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.857 W/kg

**SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.369 W/kg**

Maximum value of SAR (measured) = 0.672 W/kg



0 dB = 0.736 W/kg = -1.33 dBW/kg

**15\_LTE Band 41\_20M\_QPSK\_1RB\_49offset\_Right Cheek\_0mm\_Ch41055\_Power Class 2**

Communication System: UID 0, LTE-TDD (0); Frequency: 2636.5 MHz; Duty Cycle: 1:2.33  
 Medium: HSL\_2600 Medium parameters used:  $f = 2636.5 \text{ MHz}$ ;  $\sigma = 2.082 \text{ S/m}$ ;  $\epsilon_r = 38.743$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.6 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3293; ConvF(4.44, 4.44, 4.44); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.1.25
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch41055/Area Scan (81x101x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$  Maximum value of SAR (interpolated) = 0.287 W/kg

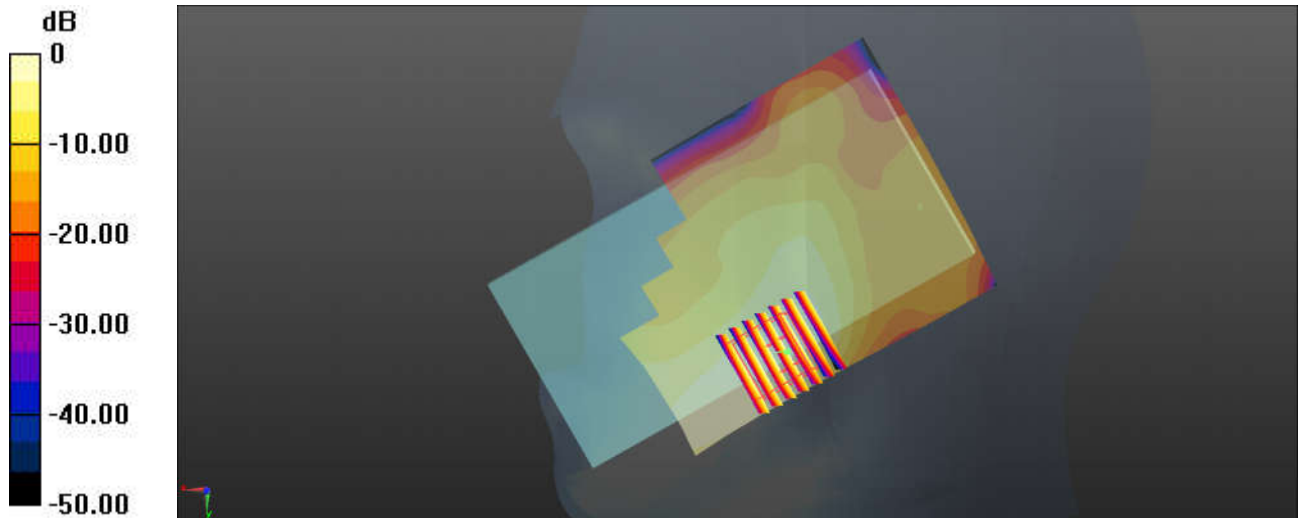
**Ch41055/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.078 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.529 W/kg

**SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.138 W/kg**

Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.287 W/kg = -5.42 dBW/kg

### 16\_WLAN2.4GHz\_802.11b 1Mbps\_Left Cheek\_0mm\_Ch11

Communication System: UID 0, 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1.025  
Medium: HSL\_2450 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.86$  S/m;  $\epsilon_r = 38.157$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.53, 4.53, 4.53); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.1.25
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch11/Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.55 W/kg

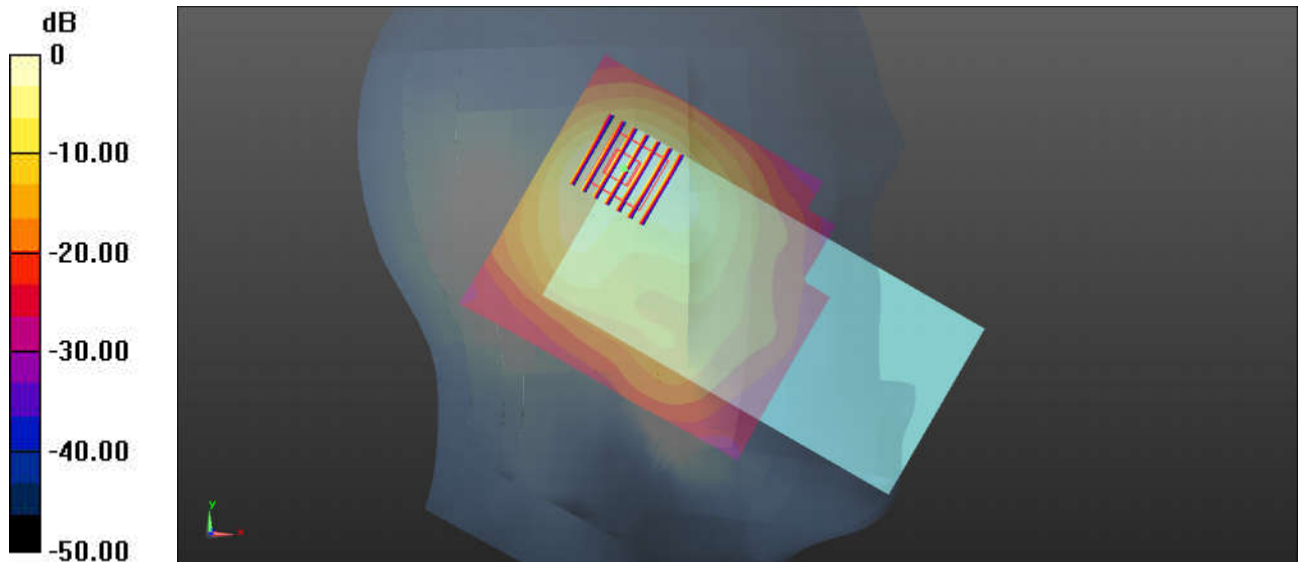
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.34 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.83 W/kg

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.466 W/kg**

Maximum value of SAR (measured) = 1.47 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg



### 17\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch64

Communication System: UID 0, WIFI (0); Frequency: 5320 MHz; Duty Cycle: 1:1.147  
Medium: HSL\_5000 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.917$  S/m;  $\epsilon_r = 36.871$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.6 °C

#### 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: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Ch64/Area Scan (111x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.367 W/kg

**Ch64/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 1.404 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.250 W/kg  
**SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.017 W/kg**  
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = -7.90 dBW/kg

### 18\_WLAN5GHz\_802.11a 6Mbps\_Left Cheek\_0mm\_Ch116

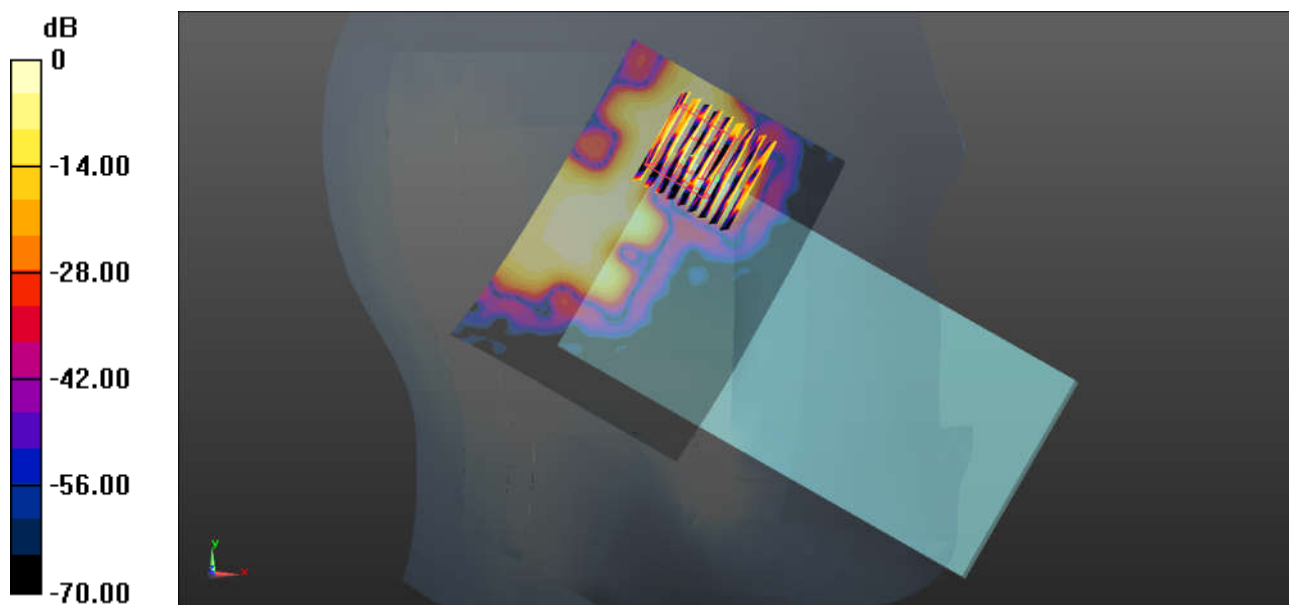
Communication System: UID 0, WIFI (0); Frequency: 5580 MHz; Duty Cycle: 1:1.147  
Medium: HSL\_5000 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.19$  S/m;  $\epsilon_r = 36.492$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

#### 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: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Ch116/Area Scan (111x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.616 W/kg

**Ch116/Zoom Scan (9x9x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm  
Reference Value = 0 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.597 W/kg  
**SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.037 W/kg**  
Maximum value of SAR (measured) = 0.369 W/kg



0 dB = 0.369 W/kg = -4.33 dBW/kg

### 19\_WLAN5GHz\_802.11a MCS0\_Left Cheek\_0mm\_Ch165

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1.147

Medium: HSL\_5000 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.457$  S/m;  $\epsilon_r = 36.13$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.7 °C

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: SAM1; Type: SAM; Serial: TP-1697
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7372)

**Ch165/Area Scan (111x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.505 W/kg

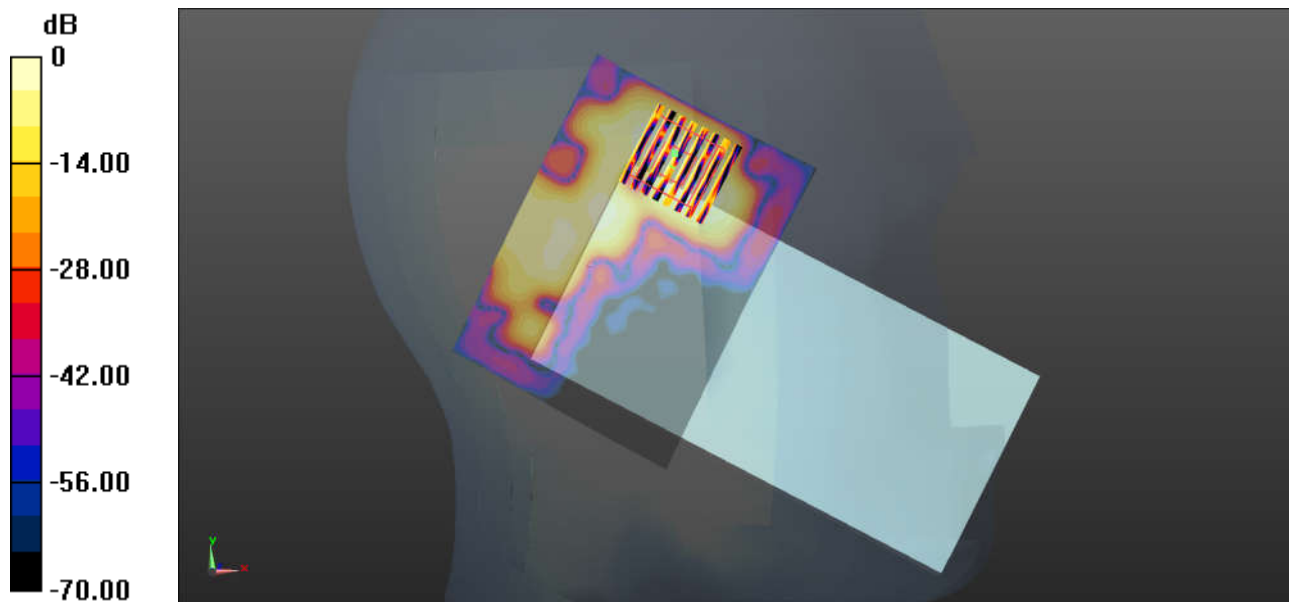
**Ch165/Zoom Scan (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.922 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.705 W/kg

**SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.043 W/kg**

Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg = -3.66 dBW/kg

## 20\_Bluetooth\_1Mbps\_Left Cheek\_0mm\_Ant1\_Ch78

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.303  
Medium: HSL\_2450 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.879$  S/m;  $\epsilon_r = 38.087$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

### DASY5 Configuration:

- Probe: ES3DV3 - SN3293; ConvF(4.53, 4.53, 4.53); Calibrated: 2018.10.25
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2019.1.25
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch78/Area Scan (91x91x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.227 W/kg

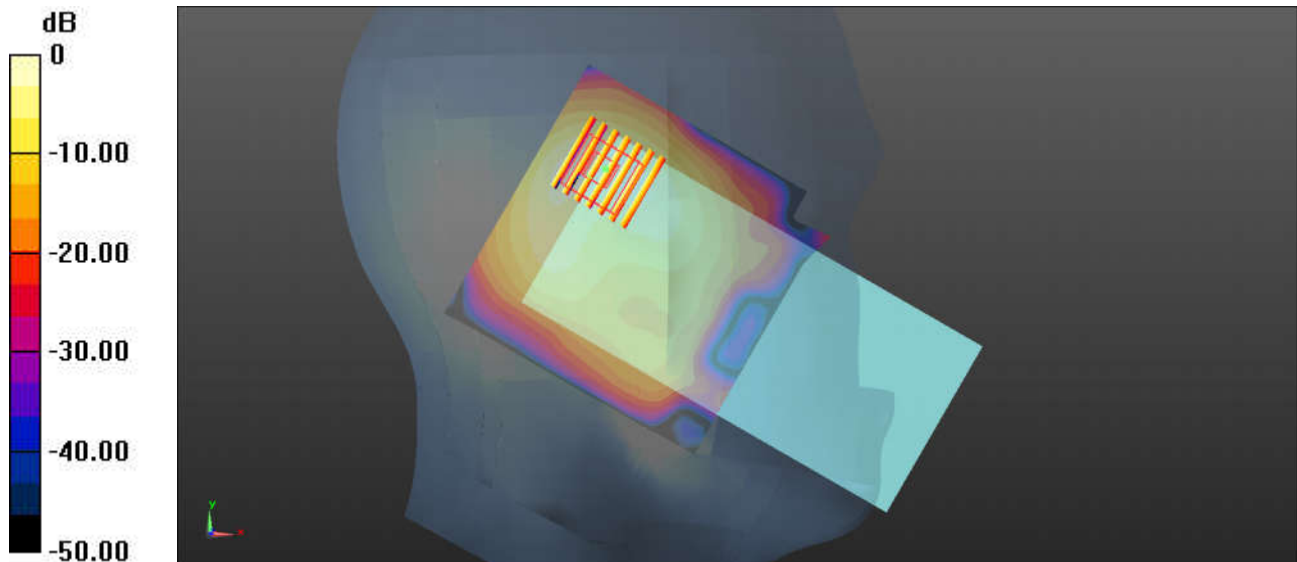
**Ch78/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.604 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.447 W/kg

**SAR(1 g) = 0.174 W/kg; SAR(10 g) = 0.075 W/kg**

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg = -6.44 dBW/kg

### 21\_GSM850\_GPRS (4 Tx slots)\_Back\_5mm\_OFF\_Ch251

Communication System: UID 0, GSM850 (0); Frequency: 848.8 MHz; Duty Cycle: 1:2.08  
Medium: HSL\_850 Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 41.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch251/Area Scan (71x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

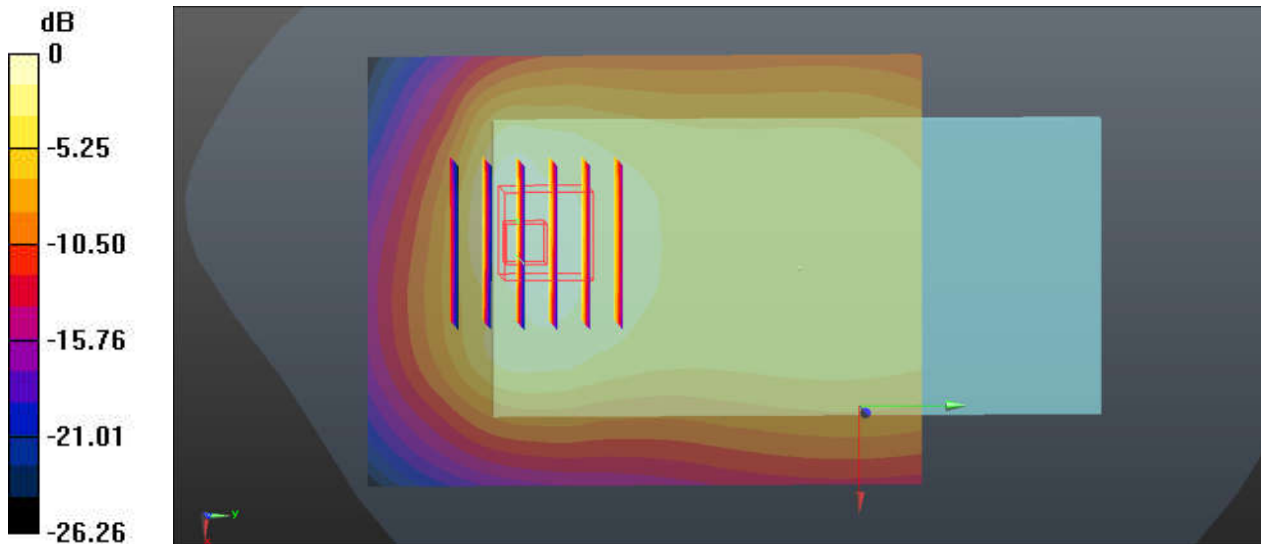
**Ch251/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.08 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.67 W/kg

**SAR(1 g) = 0.862 W/kg; SAR(10 g) = 0.512 W/kg**

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

**22\_GSM1900\_GPRS (4 Tx slot)\_Bottom side\_5mm\_Ch512**

Communication System: UID 0, GPRS/EDGE (4 Tx slots) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.08

Medium: HSL\_1900 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.378$  S/m;  $\epsilon_r = 38.957$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch512/Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.54 W/kg

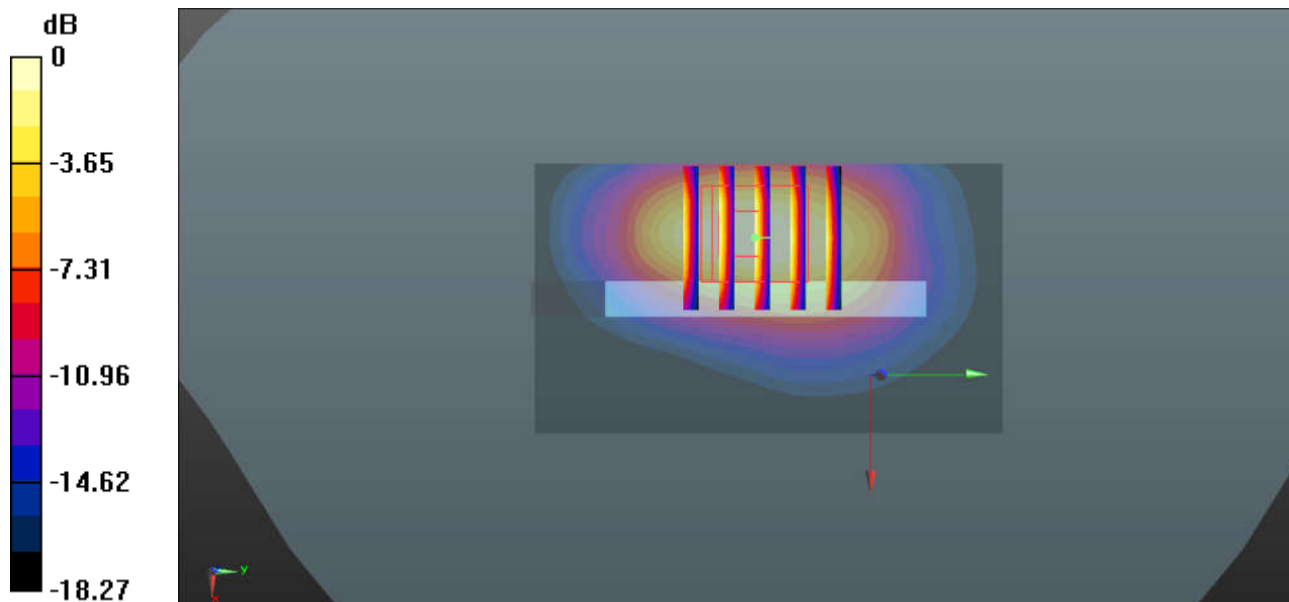
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.49 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.600 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.43 W/kg = 1.55 dBW/kg

### 23\_WCDMA V\_RMC 12.2Kbps\_Left Side\_5mm\_OFF\_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 846.6 \text{ MHz}$ ;  $\sigma = 0.913 \text{ S/m}$ ;  $\epsilon_r = 41.611$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch4233/Area Scan (41x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.01 \text{ W/kg}$

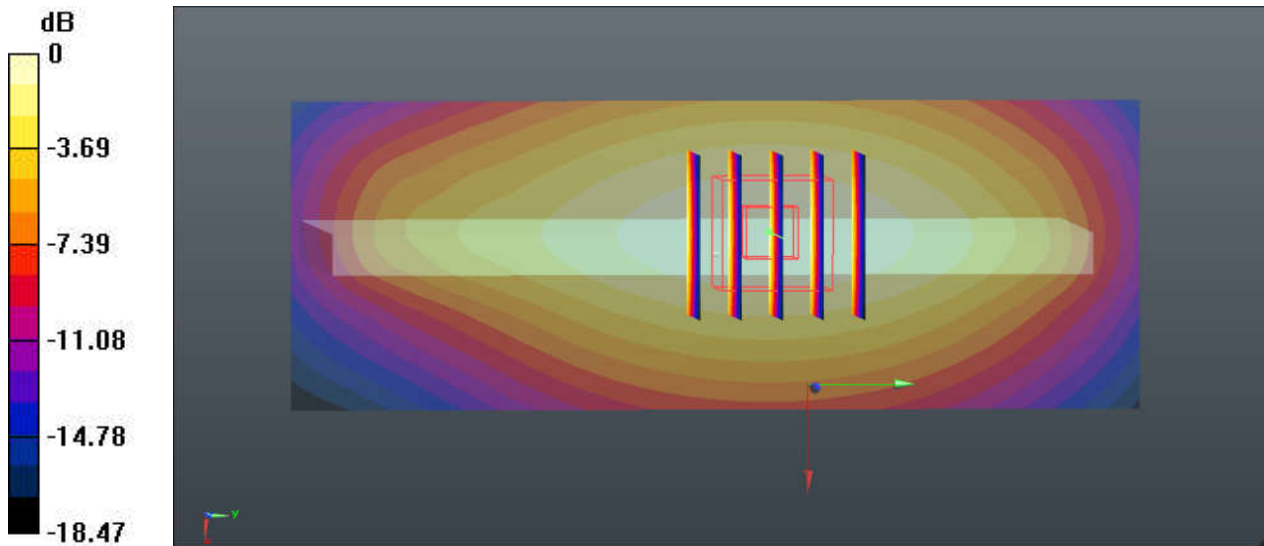
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $33.08 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$

Peak SAR (extrapolated) =  $1.32 \text{ W/kg}$

**SAR(1 g) =  $0.878 \text{ W/kg}$ ; SAR(10 g) =  $0.580 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.03 \text{ W/kg}$



0 dB =  $1.01 \text{ W/kg}$  =  $0.04 \text{ dBW/kg}$

### 24\_WCDMA IV\_RMC12.2Kbps\_Back\_5mm\_Ch1312

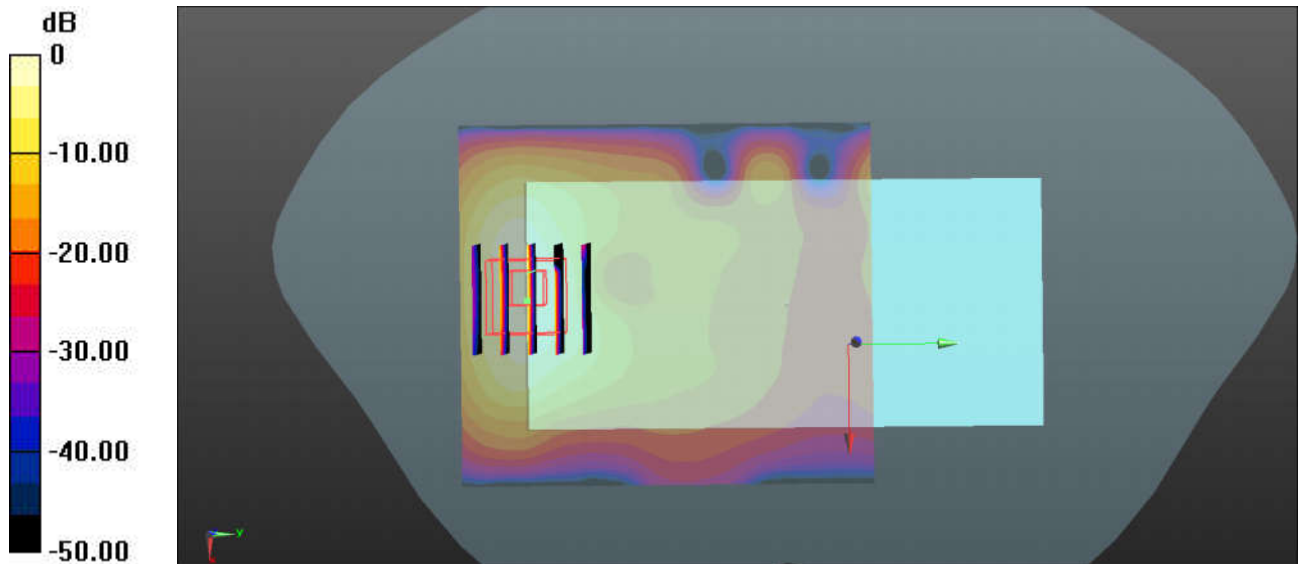
Communication System: UID 0, WCDMA (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_1750 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.311$  S/m;  $\epsilon_r = 40.397$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.59, 5.59, 5.594); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1312/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.28 W/kg

**Ch1312/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 2.37 W/kg  
**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.505 W/kg**  
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg



**25\_WCDMA II\_RMC 12.2Kbps\_Back\_5mm\_Ch9538**

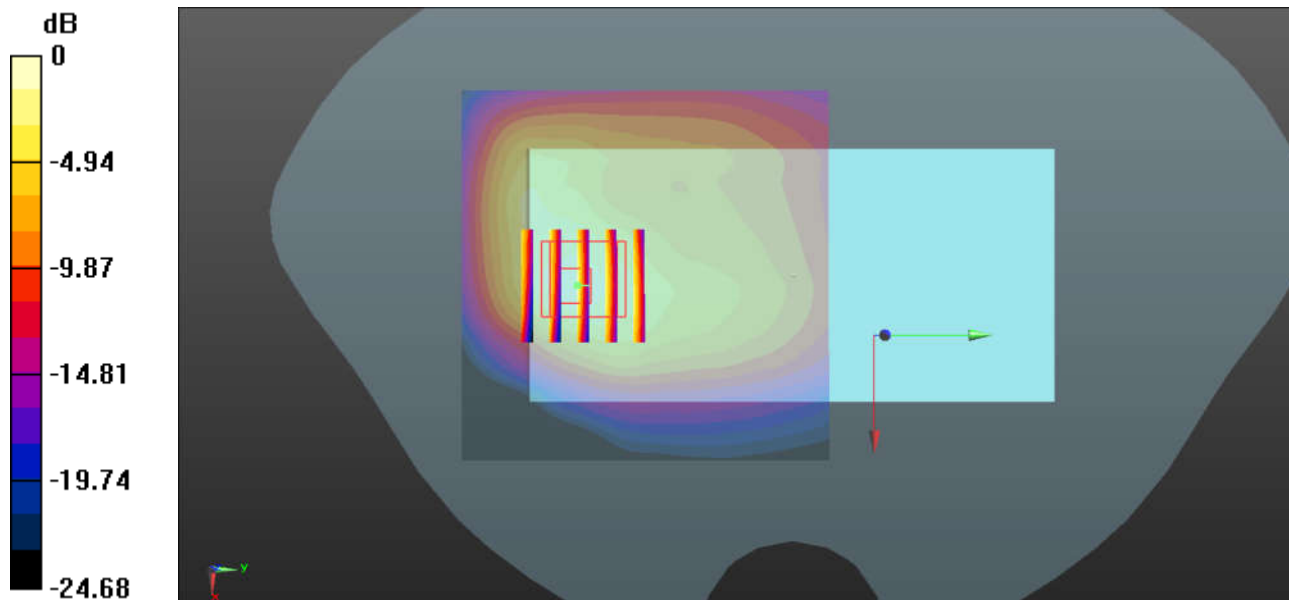
Communication System: UID 0, UMTS (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1  
 Medium: HSL\_1900 Medium parameters used:  $f = 1907.6$  MHz;  $\sigma = 1.436$  S/m;  $\epsilon_r = 38.693$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch9538/Area Scan (71x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 1.35 W/kg

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 11.69 V/m; Power Drift = 0.08 dB  
 Peak SAR (extrapolated) = 2.27 W/kg  
**SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.540 W/kg**  
 Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

### 26\_CDMA2000 BC0\_RTAP 153.6Kbps\_Left side\_5mm\_OFF\_Ch384

Communication System: UID 0, CDMA (0); Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 836.52$  MHz;  $\sigma = 0.904$  S/m;  $\epsilon_r = 41.753$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch384/Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

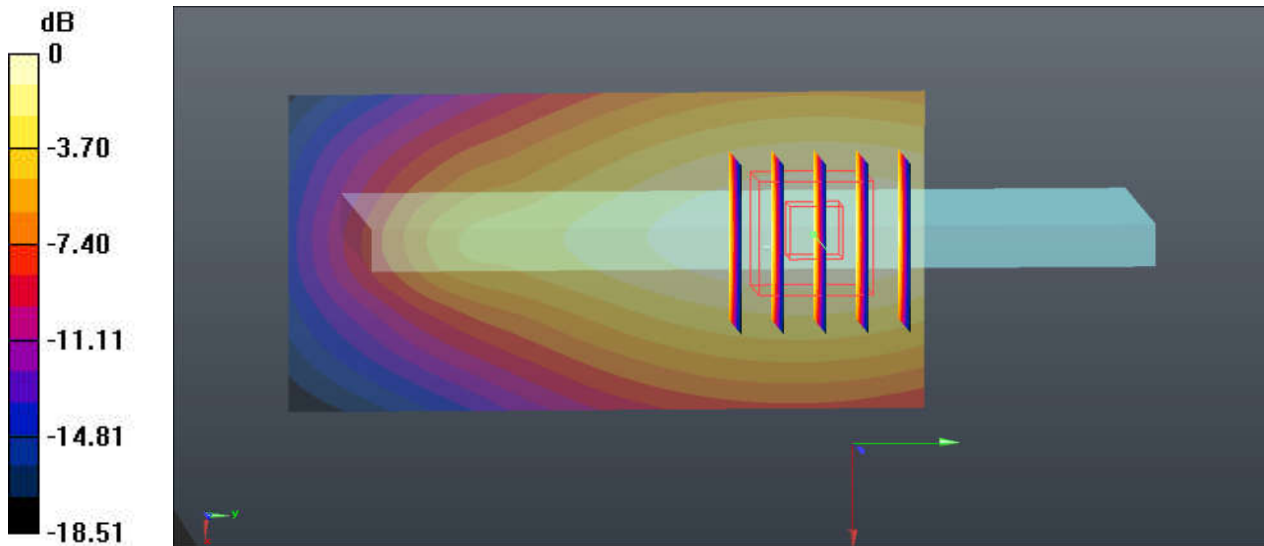
**Ch384/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.80 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.575 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

### 27\_CDMA2000 BC10\_RTAP 153.6Kbps\_Left side\_5mm\_OFF\_Ch684

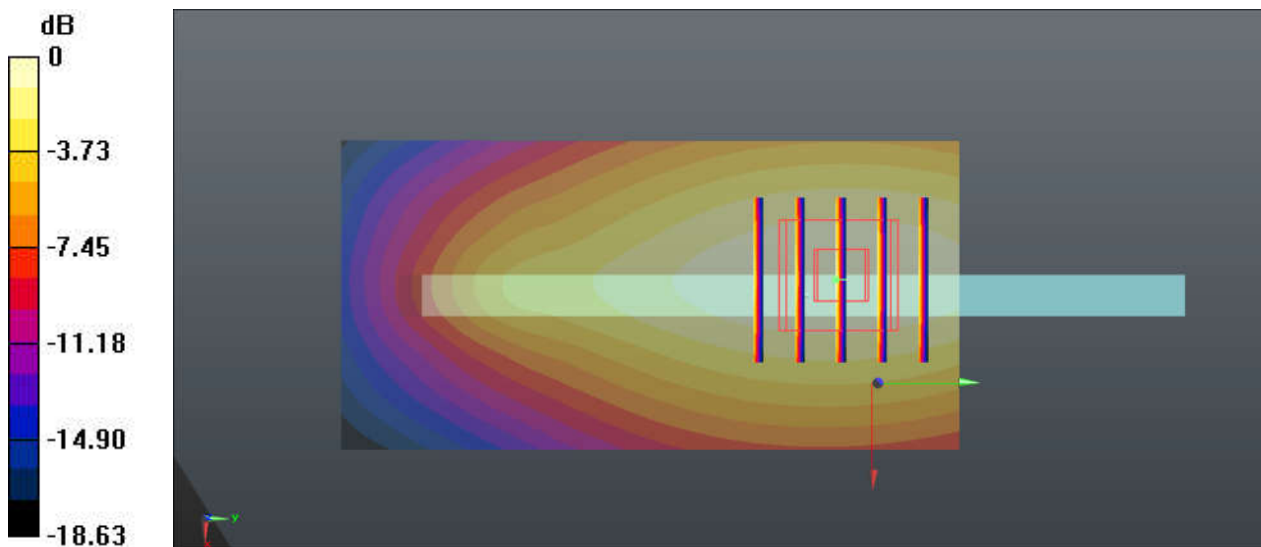
Communication System: UID 0, CDMA (0); Frequency: 823.1 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 823.1$  MHz;  $\sigma = 0.892$  S/m;  $\epsilon_r = 41.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch684/Area Scan (41x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.07 W/kg

**Ch684/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 35.20 V/m; Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 1.40 W/kg  
**SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.620 W/kg**  
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

### 28\_CDMA2000 BC1\_RTAP 153.6Kbps\_Back\_5mm\_Sensor On\_Ch1175

Communication System: UID 0, CDMA (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1908.75$  MHz;  $\sigma = 1.437$  S/m;  $\epsilon_r = 38.688$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch1175/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.71 W/kg

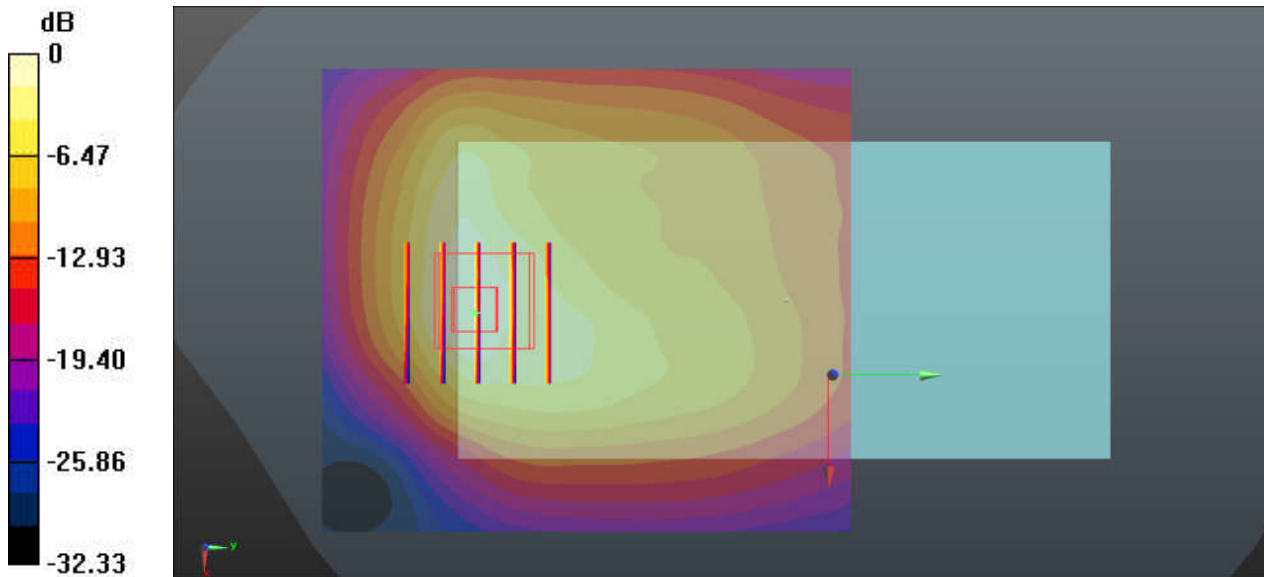
**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.74 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.596 W/kg**

Maximum value of SAR (measured) = 1.67 W/kg



0 dB = 1.71 W/kg = 2.33 dBW/kg

**29\_LTE B71\_20M\_QPSK\_1RB\_0offset\_Back\_5mm\_OFF\_Ch133322**

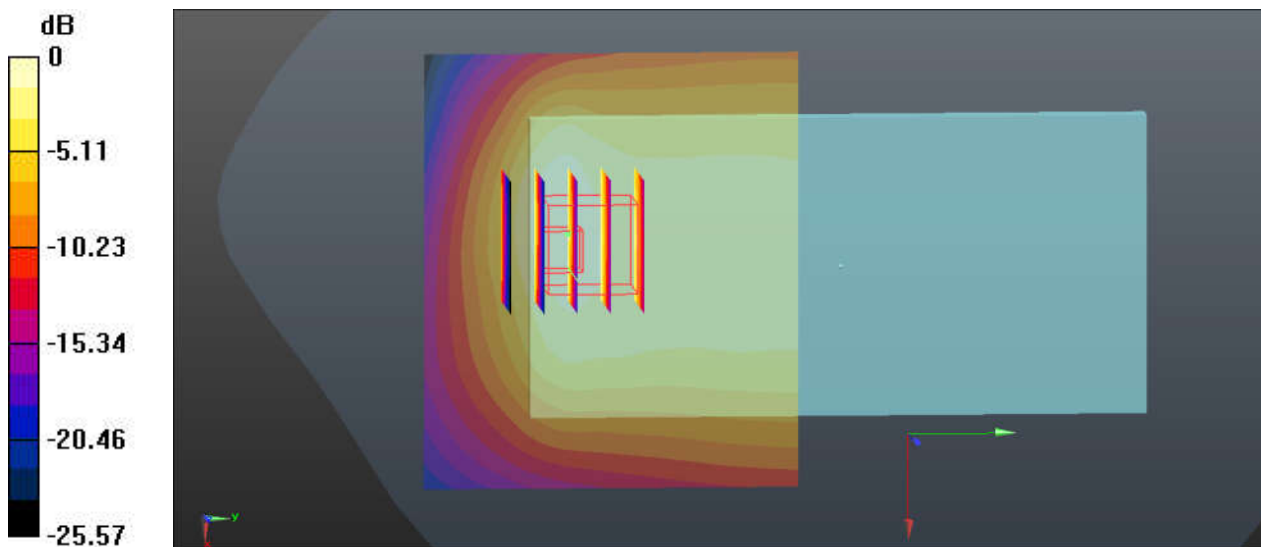
Communication System: UID 0, LTE-FDD (0); Frequency: 683 MHz;Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used: f = 683 MHz;  $\sigma = 0.835$  S/m;  $\epsilon_r = 42.538$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch133322/Area Scan (71x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.739 W/kg

**Ch133322/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 22.34 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 1.08 W/kg  
**SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.322 W/kg**  
Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.739 W/kg = -1.31 dBW/kg

### 30\_LTE B12\_10M\_QPSK\_1RB\_0offset\_Left Side\_5mm\_OFF\_Ch23095

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.858$  S/m;  $\epsilon_r = 42.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.1 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23095/Area Scan (41x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.867 W/kg

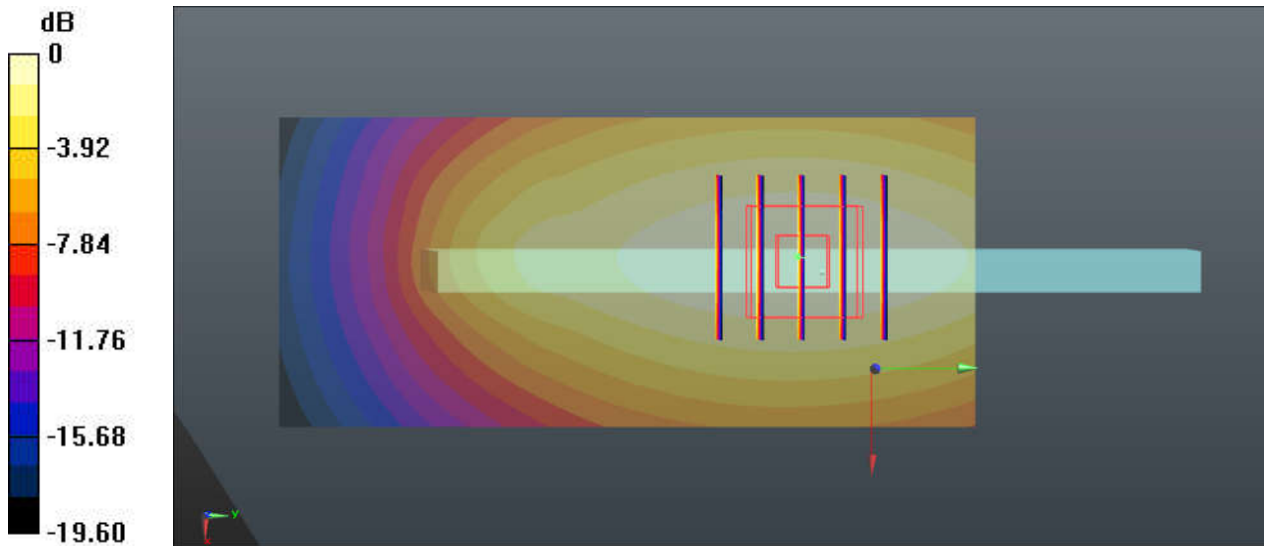
**Ch23095/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.45 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.510 W/kg**

Maximum value of SAR (measured) = 0.852 W/kg



0 dB = 0.867 W/kg = -0.62 dBW/kg

### 31\_LTE B13\_10M\_QPSK\_1RB\_0offset\_Right Side\_5mm\_OFF\_Ch23230

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: HSL\_750 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.926 \text{ S/m}$ ;  $\epsilon_r = 41.246$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.8 \text{ }^\circ\text{C}$

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.58, 6.58, 6.58); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch23230/Area Scan (41x101x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $1.22 \text{ W/kg}$

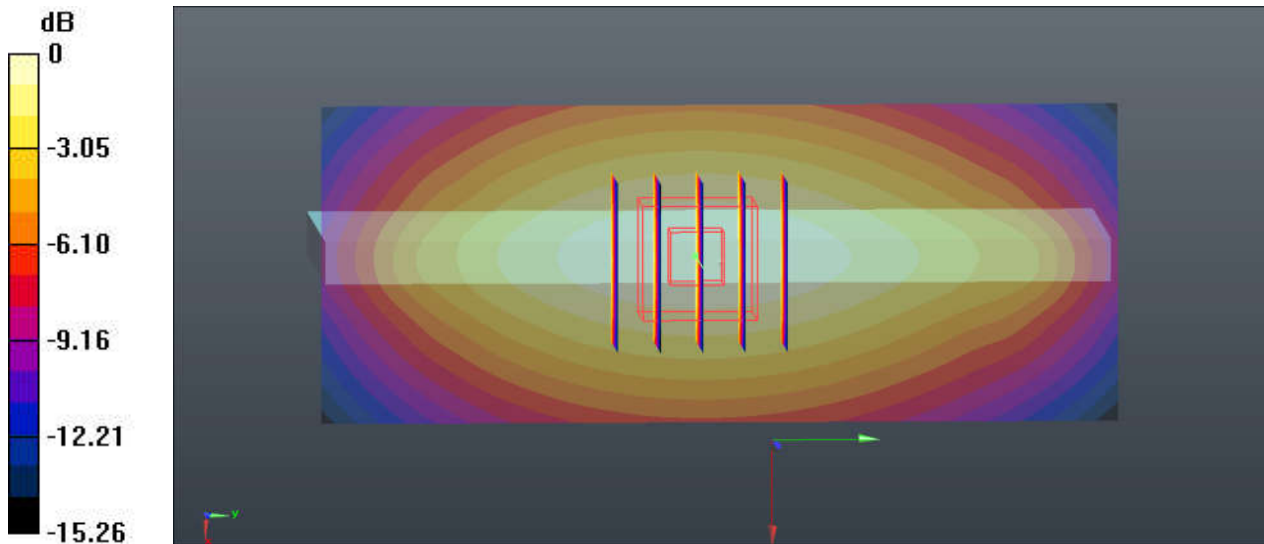
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $37.10 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $1.55 \text{ W/kg}$

**SAR(1 g) =  $1.05 \text{ W/kg}$ ; SAR(10 g) =  $0.712 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.22 \text{ W/kg}$



0 dB =  $1.22 \text{ W/kg} = 0.86 \text{ dBW/kg}$

### 32\_LTE B26\_15M\_QPSK\_1RB\_74offset\_Left Side\_5mm\_OFF\_Ch26865

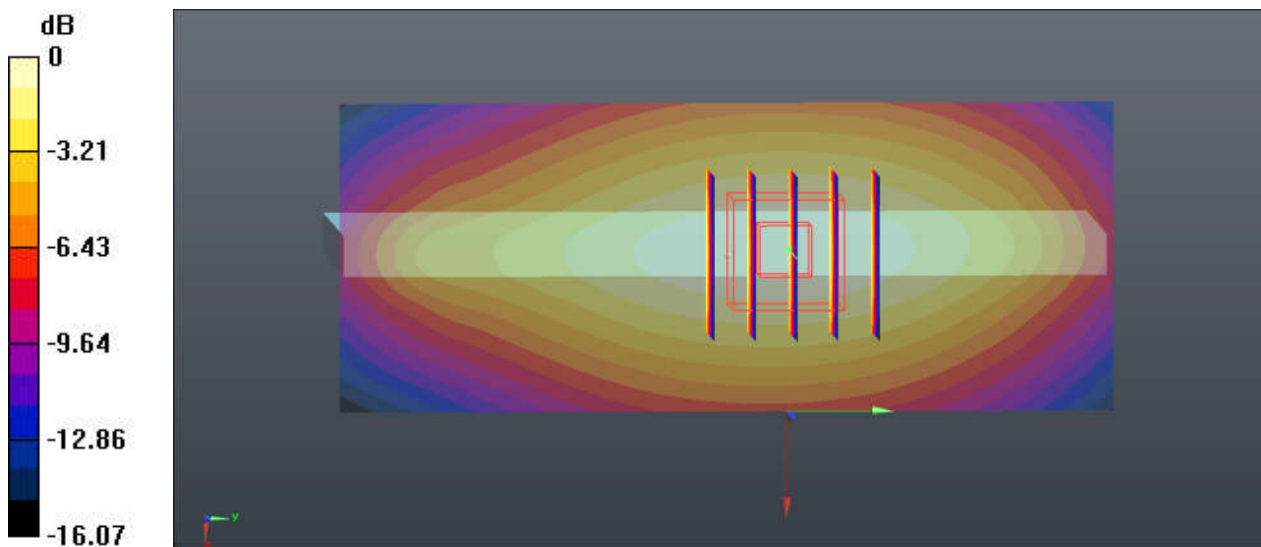
Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: HSL\_850 Medium parameters used:  $f = 831.5$  MHz;  $\sigma = 0.899$  S/m;  $\epsilon_r = 41.825$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(6.38, 6.38, 6.38); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26865/Area Scan (41x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.997 W/kg

**Ch26865/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 33.69 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 1.25 W/kg  
**SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.557 W/kg**  
Maximum value of SAR (measured) = 0.988 W/kg



0 dB = 0.997 W/kg = -0.01 dBW/kg



**33\_LTE Band 66\_20M\_QPSK\_50RB\_24offset\_Back\_5mm\_Ch132072**

Communication System: UID 0, LTE-FDD (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: HSL\_1750 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.32$  S/m;  $\epsilon_r = 40.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.59, 5.59, 5.59); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch132072/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.23 W/kg

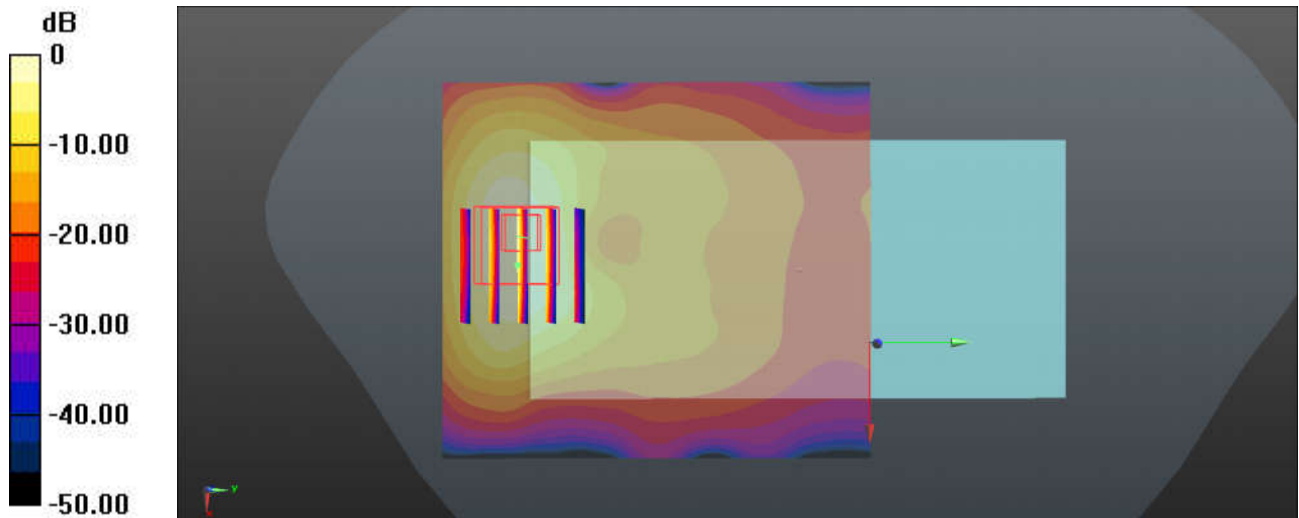
**Ch132072/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.894 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.496 W/kg**

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.23 W/kg = 0.90 dBW/kg

### 34\_LTE Band 25\_20M\_QPSK\_1RB\_0offset\_Back\_5mm\_Ch26140

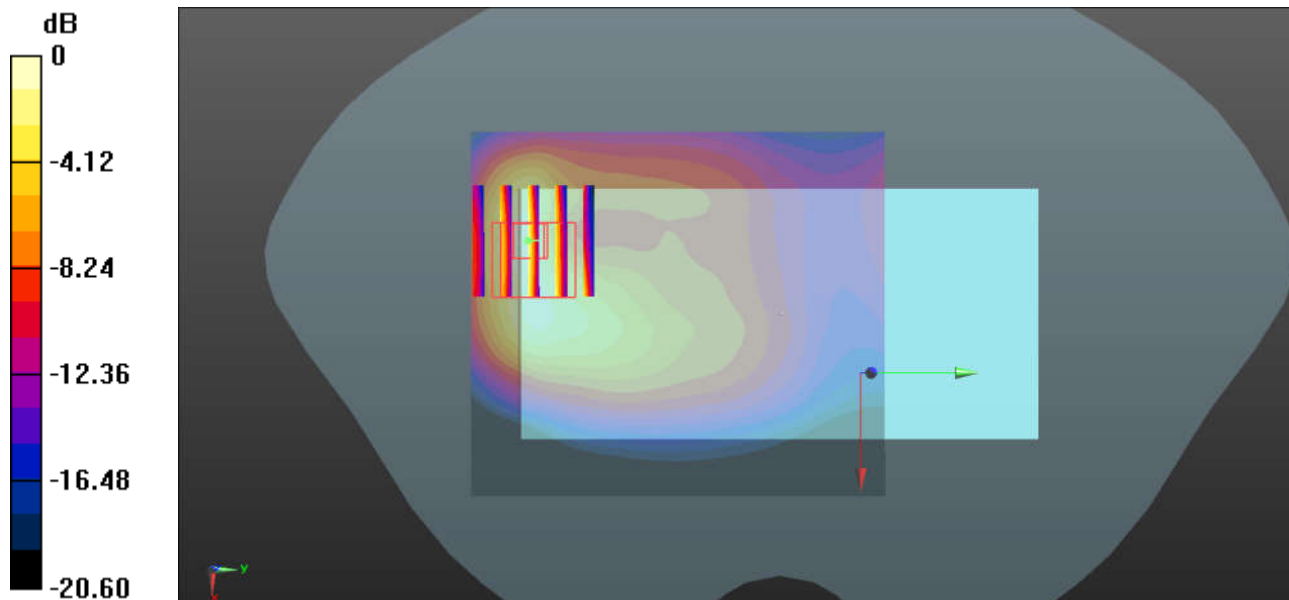
Communication System: UID 0, FDD\_LTE (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.388$  S/m;  $\epsilon_r = 38.923$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.9 °C

#### DASY5 Configuration:

- Probe: ES3DV3 - SN3279; ConvF(5.35, 5.35, 5.35); Calibrated: 2019.3.4
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2018.10.22
- Phantom: SAM2; Type: SAM; Serial: TP-1542
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Ch26140/Area Scan (71x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.15 W/kg

**Ch26140/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.187 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 1.65 W/kg  
**SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.452 W/kg**  
Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg