



BUREAU VERITAS

FCC SAR Test Report



ACCREDITED
Certificate # 3939.01

WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 1	5GHz WLAN Ant 1	Bluetooth Ant 1		
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)		
WWAN Band	Back at 10mm -	0.679	0.099	0.198	0.000	0.78	0.88
	Left Side at 10mm -	0.407	0.051	0.240	0.001	0.46	0.65
	Right Side at 10mm -	0.310	0.014	0.036	0.000	0.33	0.35
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.227				0.23	0.23
LTE Band 7	Front at 10mm -	0.516	0.090	0.245	0.001	0.61	0.76
	Back at 10mm -	0.469	0.099	0.198	0.000	0.57	0.67
	Left Side at 10mm -	0.105	0.051	0.240	0.001	0.16	0.35
	Right Side at 10mm -	0.437	0.014	0.036	0.000	0.45	0.47
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.420				0.42	0.42
LTE Band 12	Front at 10mm -	0.212	0.090	0.245	0.001	0.30	0.46
	Back at 10mm -	0.271	0.099	0.198	0.000	0.37	0.47
	Left Side at 10mm -	0.046	0.051	0.240	0.001	0.10	0.29
	Right Side at 10mm -	0.208	0.014	0.036	0.000	0.22	0.24
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.045				0.05	0.05
LTE Band 13	Front at 10mm -	0.229	0.090	0.245	0.001	0.32	0.48
	Back at 10mm -	0.389	0.099	0.198	0.000	0.49	0.59
	Left Side at 10mm -	0.217	0.051	0.240	0.001	0.27	0.46
	Right Side at 10mm -	0.326	0.014	0.036	0.000	0.34	0.36
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.066				0.07	0.07
LTE Band 26	Front at 10mm -	0.526	0.090	0.245	0.001	0.62	0.77
	Back at 10mm -	0.641	0.099	0.198	0.000	0.74	0.84
	Left Side at 10mm -	0.424	0.051	0.240	0.001	0.48	0.67
	Right Side at 10mm -	0.328	0.014	0.036	0.000	0.34	0.36
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.285				0.29	0.29
LTE Band 41	Front at 10mm -	0.235	0.090	0.245	0.001	0.33	0.48
	Back at 10mm -	0.418	0.099	0.198	0.000	0.52	0.62
	Left Side at 10mm -	0.046	0.051	0.240	0.001	0.10	0.29
	Right Side at 10mm -	0.319	0.014	0.036	0.000	0.33	0.36
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.250				0.25	0.25
LTE Band 66	Front at 10mm -	0.727	0.090	0.245	0.001	0.82	0.97
	Back at 10mm -	0.253	0.099	0.198	0.000	0.35	0.45
	Left Side at 10mm -	0.119	0.051	0.240	0.001	0.17	0.36
	Right Side at 10mm -	0.356	0.014	0.036	0.000	0.37	0.39



WWAN Band	Exposure Position	1	2	3	4	1+2 Summed 1g SAR (W/kg)	1+3+4 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 1 1g SAR (W/kg)	5GHz WLAN Ant 1 1g SAR (W/kg)	Bluetooth Ant 1 1g SAR (W/kg)		
	Top side at 10mm -		0.130	0.255	0.002	0.13	0.26
	Bottom side at 10mm -	0.181				0.18	0.18

Note:

1. Summed 1+3+4 covers Summed 1+3 / 1+4 / 3+4.

<SAR to Peak Location Separation Ratio Analysis>

The simultaneous transmitting antennas in each operating mode and exposure condition combination are considered one pair at a time to determine the SPLSR. When SAR is measured for both antennas in the pair, the peak location separation distance is computed by the following formula.

$$\text{Peak Location Separation Distance} = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2}$$

Where (x₁, y₁, z₁) and (x₂, y₂, z₂) are the coordinates of the extrapolated peak SAR locations in the area or zoom scans.

When standalone test exclusion applies, SAR is estimated; the peak location is assumed to be at the feed-point or geometric center of the antenna. Due to curvatures on the SAM phantom, when SAR is estimated for one of the antennas in an antenna pair, the measured peak SAR location will be translated onto the test device to determine the peak location separation for the antenna pair.

The SPLSR is determined by the following formula.

$$\text{SPLSR} = \frac{(\text{SAR}_1 + \text{SAR}_2)^{1.5}}{R_i}$$

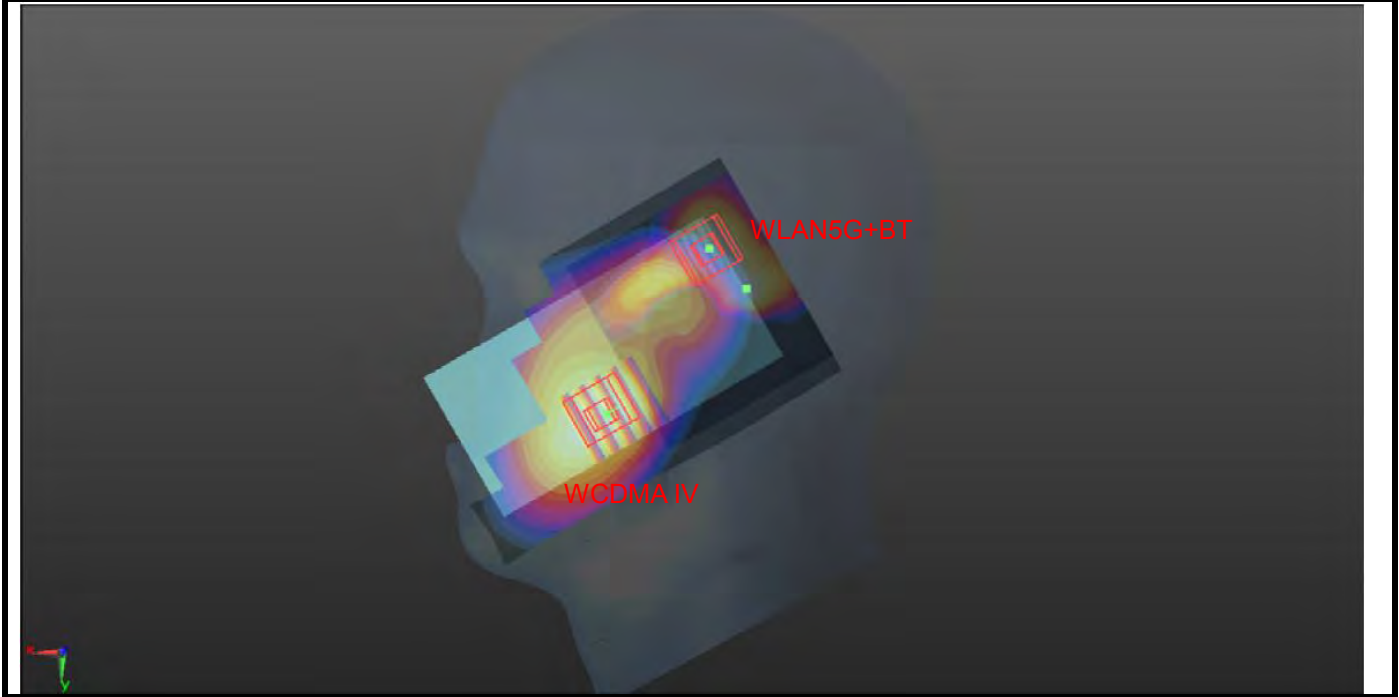
Where SAR₁ and SAR₂ are the highest reported or estimated SAR for each antenna in the pair, and R_i is the separation distance between the peak SAR locations for the antenna pair in mm.

When the SPLSR is <= 0.04, the simultaneous transmission SAR is not required. Otherwise, the enlarged zoom scan and volume scan post-processing procedures will be performed.



<Head Exposure Condition>

Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
WCDMA IV	Right Cheek	0.88	0	0.0671	-0.258	-0.172	77.7	1.67	0.03	Not required
WLAN5.8G+BT		0.79	0	0.023	-0.322	-0.172				





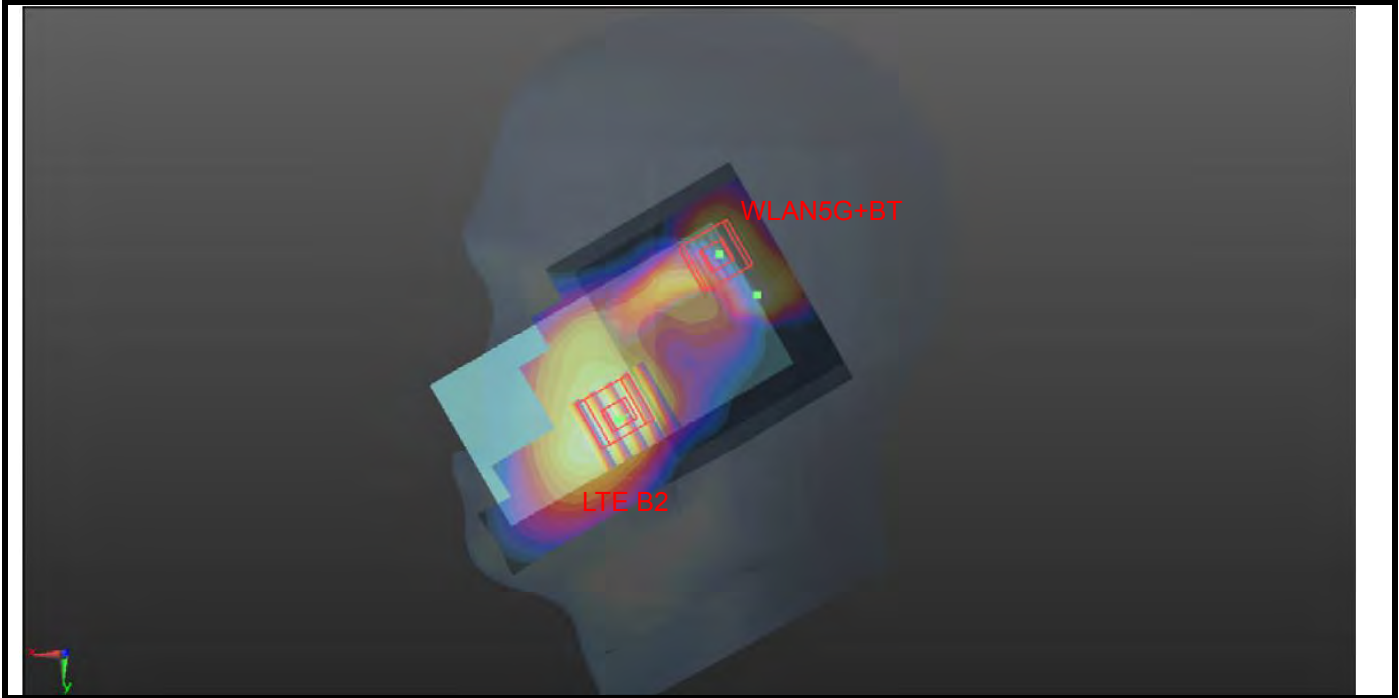
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FCC SAR Test Report



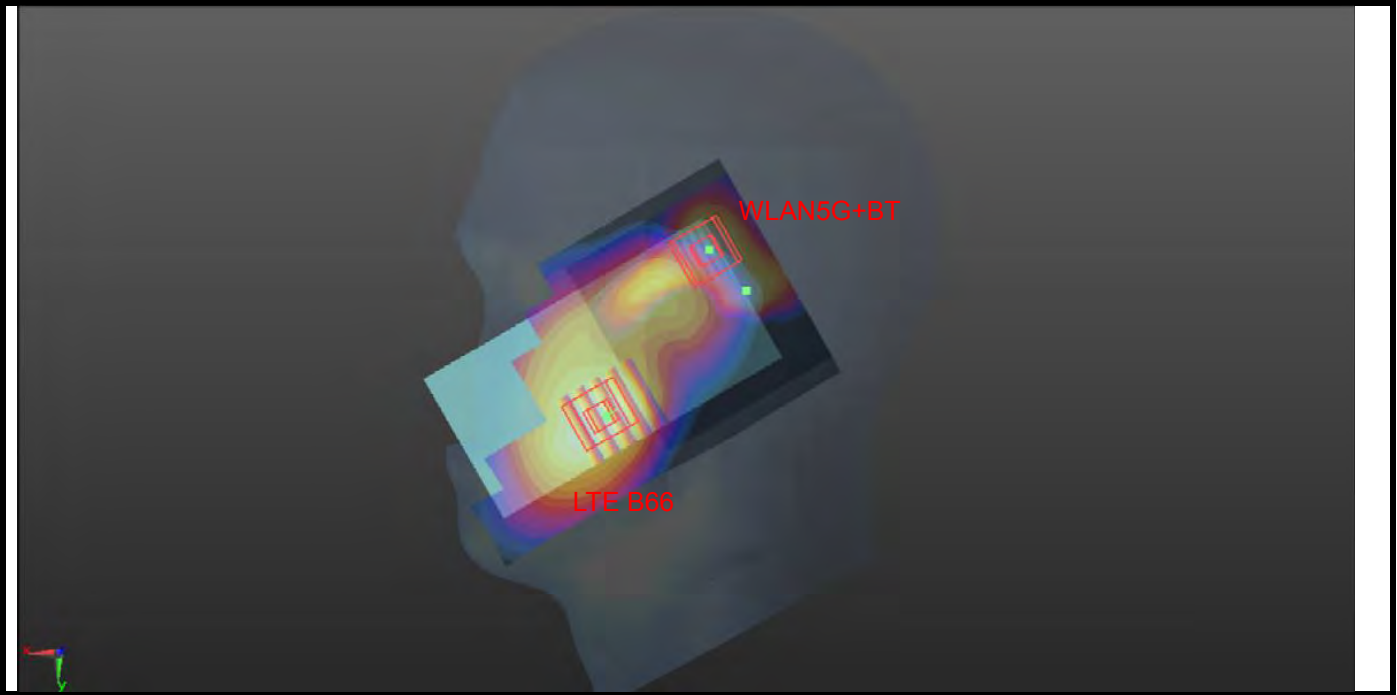
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Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
LTE 2	Right Cheek	0.91	0	0.0658	-0.259	-0.172	76.2	1.70	0.03	Not required
WLAN5.8G+BT		0.79	0	0.023	-0.322	-0.172				





Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (m)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				X	Y	Z				
LTE 66	Right Cheek	0.89	0	0.0671	-0.258	-0.172	77.7	1.68	0.03	Not required
WLAN5.8G+BT		0.79	0	0.023	-0.322	-0.172				



Test Engineer : Rikou Lu, and Dennis Ye.



5. Calibration of Test Equipment

Equipment	Manufacturer	Model	SN	Cal. Date	Cal. Interval
System Validation Dipole	SPEAG	D750V3	1067	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D835V2	4d139	Sep. 17, 2021	3 Years
System Validation Dipole	SPEAG	D1750V2	1071	Sep. 18, 2021	3 Years
System Validation Dipole	SPEAG	D1900V2	5d159	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D2450V2	893	Sep. 18, 2021	3 Years
System Validation Dipole	SPEAG	D2600V2	1110	Sep. 16, 2021	3 Years
System Validation Dipole	SPEAG	D5GHzV2	1133	Sep. 14, 2021	3 Years
Data Acquisition Electronics	SPEAG	DAE4	1389	Nov. 09, 2022	1 Year
Dosimetric E-Field Probe	SPEAG	EX3DV4	3873	Aug. 31, 2022	1 Year
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 15, 2022	1 Year
Wireless Communication Test Set	Agilent	E5515C	MY50260600	May. 12, 2022	1 Year
ENA Series Network Analyzer	Agilent	E5071C	MY46214638	May. 07, 2022	1 Year
Spectrum Analyzer	KEYSIGHT	N9010A	MY54510355	May. 14, 2022	1 Year
MXG Analog Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 18, 2022	1 Year
Power Meter	Agilent	N1914A	MY52180044	Feb. 19, 2022	1 Year
Power Sensor	Agilent	E9304A H18	MY52050011	Feb. 20, 2022	1 Year
Power Meter	ANRITSU	ML2495A	1506002	Feb. 22, 2022	1 Year
Power Sensor	ANRITSU	MA2411B	1339352	May. 14, 2022	1 Year
Temp. & Humi. Recorder	CLOCK	HTC-1	157248	May. 11, 2022	1 Year
Electronic Thermometer	YONGFA	YF-160A	120100323	May. 14, 2022	1 Year
Coupler	Woken	0110A056020-10	COM27RW1A 3	May. 11, 2022	1 Year

Note:

- Referring to KDB 865664 D01 v01r04, the dipole calibration interval can be extended to 3 years with justification. The dipole are also not physically damaged, or repaired during the interval. The dipole justification can be found in appendix C.
The return loss is < -20dB, within 20% of prior calibration, the impedance is with 5ohm of prior calibration.



6. Measurement Uncertainty

DASY5 Uncertainty Budget								
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)	(Vi) Veff
Measurement System								
Probe Calibration	6.0	N	1	1	1	6.0	6.0	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	1.0	R	1.732	1	1	0.6	0.6	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	2.9	R	1.732	1	1	1.7	1.7	∞
Max. SAR Eval.	2.0	R	1.732	1	1	1.2	1.2	∞
Test Sample Related								
Device Positioning	3.0	N	1	1	1	3.0	3.0	35
Device Holder	3.6	N	1	1	1	3.6	3.6	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.1	R	1.732	1	1	3.5	3.5	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.2	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	5.0	R	1.732	0.78	0.71	2.3	2.0	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	3.4	R	1.732	0.78	0.71	1.5	1.4	∞
Liquid Permittivity Repeatability	0.15	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	5.0	R	1.732	0.23	0.26	0.7	0.8	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	0.83	R	1.732	0.23	0.26	0.1	0.1	∞
Combined Std. Uncertainty						11.4%	11.4%	1013
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						22.9%	22.7%	

Uncertainty budget for frequency range 30 MHz to 3 GHz



DASY5 Uncertainty Budget								
Error Description	Uncertainty Value (±%)	Probability	Divisor	(Ci) 1g	(Ci) 10g	Standard Uncertainty (1g) (±%)	Standard Uncertainty (10g) (±%)	(Vi) Veff
Measurement System								
Probe Calibration	6.55	N	1	1	1	6.5	6.5	∞
Axial Isotropy	4.7	R	1.732	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	9.6	R	1.732	0.7	0.7	3.9	3.9	∞
Boundary Effects	2.0	R	1.732	1	1	1.2	1.2	∞
Linearity	4.7	R	1.732	1	1	2.7	2.7	∞
System Detection Limits	1.0	R	1.732	1	1	0.6	0.6	∞
Modulation Response	3.2	R	1.732	1	1	1.8	1.8	∞
Readout Electronics	0.3	N	1	1	1	0.3	0.3	∞
Response Time	0.0	R	1.732	1	1	0.0	0.0	∞
Integration Time	2.6	R	1.732	1	1	1.5	1.5	∞
RF Ambient Noise	3.0	R	1.732	1	1	1.7	1.7	∞
RF Ambient Reflections	3.0	R	1.732	1	1	1.7	1.7	∞
Probe Positioner	0.4	R	1.732	1	1	0.2	0.2	∞
Probe Positioning	6.7	R	1.732	1	1	3.9	3.9	∞
Max. SAR Eval.	4.0	R	1.732	1	1	2.3	2.3	∞
Test Sample Related								
Device Positioning	3.0	N	1	1	1	3.0	3.0	35
Device Holder	3.6	N	1	1	1	3.6	3.6	12
Power Drift	5.0	R	1.732	1	1	2.9	2.9	∞
Power Scaling	0.0	R	1.732	1	1	0.0	0.0	∞
Phantom and Setup								
Phantom Uncertainty	6.6	R	1.732	1	1	3.8	3.8	∞
SAR correction	0.0	R	1.732	1	0.84	0.0	0.0	∞
Liquid Conductivity Repeatability	0.2	N	1	0.78	0.71	0.1	0.1	5
Liquid Conductivity (target)	5.0	R	1.732	0.78	0.71	2.3	2.0	∞
Liquid Conductivity (mea.)	2.5	R	1.732	0.78	0.71	1.1	1.0	∞
Temp. unc. - Conductivity	3.4	R	1.732	0.78	0.71	1.5	1.4	∞
Liquid Permittivity Repeatability	0.15	N	1	0.23	0.26	0.0	0.0	5
Liquid Permittivity (target)	5.0	R	1.732	0.23	0.26	0.7	0.8	∞
Liquid Permittivity (mea.)	2.5	R	1.732	0.23	0.26	0.3	0.4	∞
Temp. unc. - Permittivity	0.83	R	1.732	0.23	0.26	0.1	0.1	∞
Combined Std. Uncertainty						12.5%	12.5%	1458
Coverage Factor for 95 %						K=2	K=2	
Expanded STD Uncertainty						25.0%	24.9%	

Uncertainty budget for frequency range 3 GHz to 6 GHz



7. Information on the Testing Laboratories

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Add: No. B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industry Park, Nanshan District, Shenzhen, Guangdong, China

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Web Site: www.bureauveritas.com

The road map of all our labs can be found in our web site also.

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Appendix A. SAR Plots of System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

System Check_HSL750_20221114

DUT: Dipole:750 MHz;Type:D750V3

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1

Medium: HSL750_1114 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.881 \text{ S/m}$; $\epsilon_r = 42.366$; $\rho = 1000 \text{ kg/m}^3$

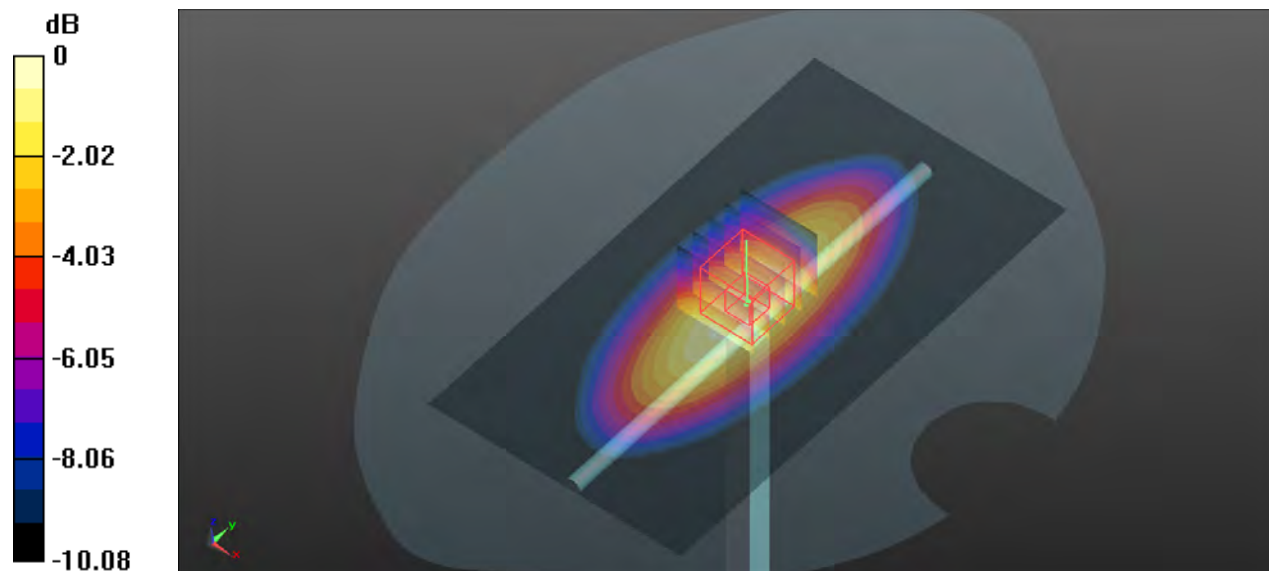
Ambient Temperature : 23.7°C ; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 750 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 2.54 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 = 61.51 V/m ; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.12 W/kg
SAR(1 g) = 2.14 W/kg ; SAR(10 g) = 1.43 W/kg
Maximum value of SAR (measured) = 2.67 W/kg



0 dB = 2.67 W/kg

System Check_HSL835_20221115

DUT: Dipole:835 MHz;Type:D835V2

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1

Medium: HSL835_1115 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 43.179$; $\rho = 1000 \text{ kg/m}^3$

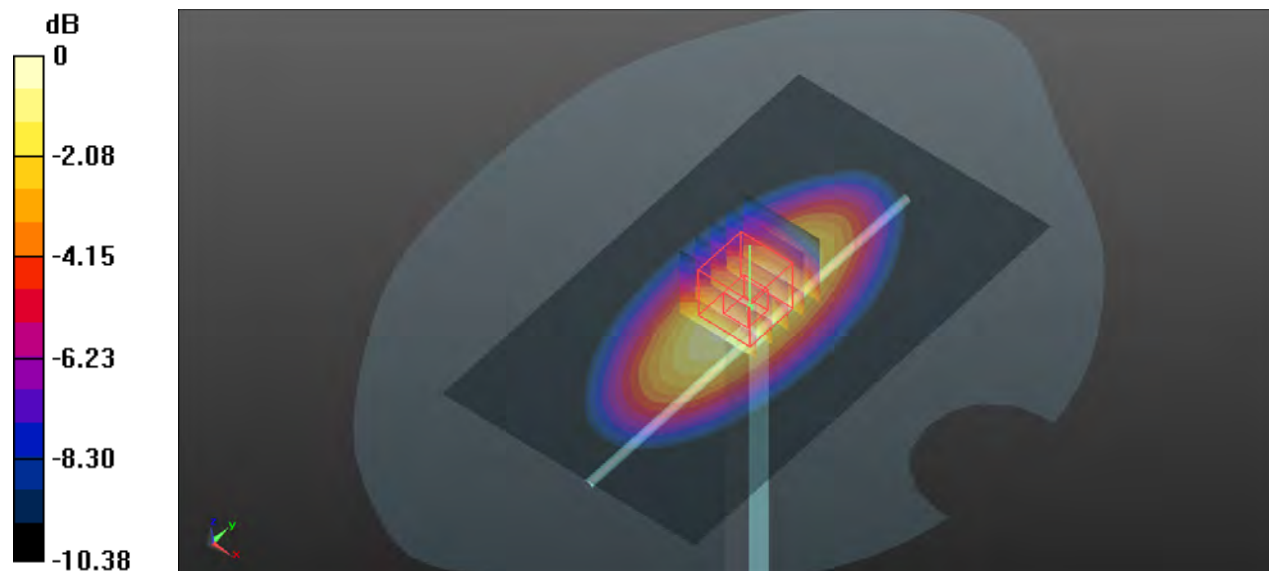
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 835 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 3.05 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 = 54.31 V/m ; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.68 W/kg
SAR(1 g) = 2.52 W/kg ; SAR(10 g) = 1.66 W/kg
Maximum value of SAR (measured) = 3.16 W/kg



0 dB = 3.16 W/kg

System Check_HSL1750_20221116

DUT: Dipole:1750 MHz;Type:D1750V2

Communication System: CW; Frequency: 1750 MHz;Duty Cycle: 1:1

Medium: HSL1750_1116 Medium parameters used: $f = 1750$ MHz; $\sigma = 1.333$ S/m; $\epsilon_r = 39.844$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1750 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

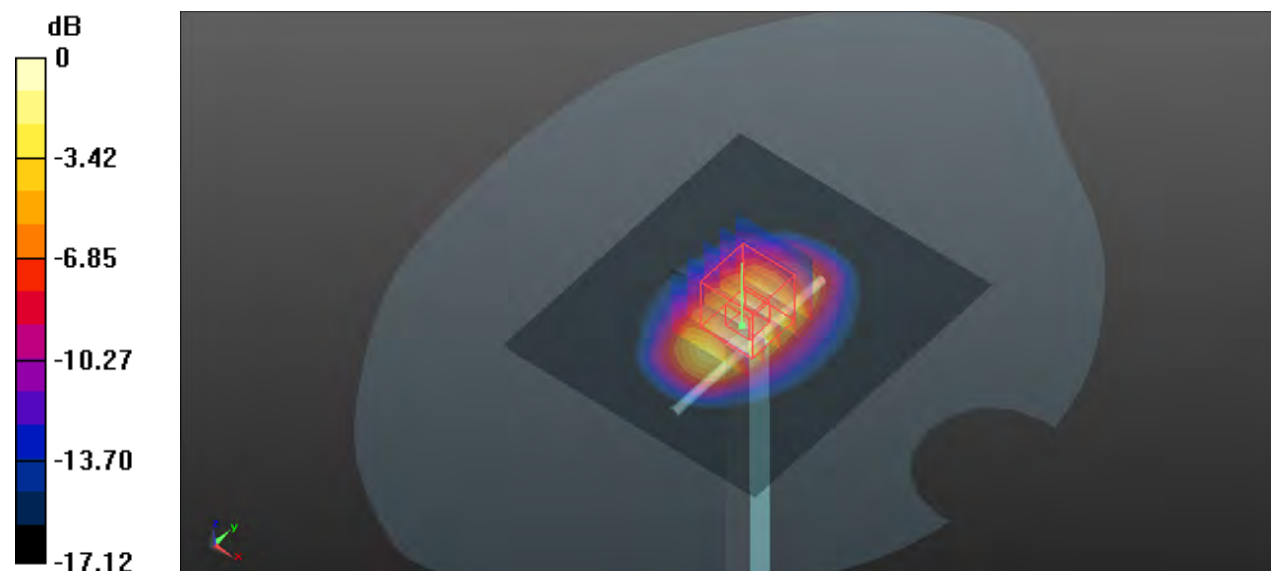
Pin=250mW/Area Scan (71x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 12.3 W/kg

Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 96.52 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 8.59 W/kg; SAR(10 g) = 4.46 W/kg

Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg

System Check_HSL1900_20221117

DUT: Dipole:1900MHz;Type:D1900V2

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900_1117 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.756$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1900 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 14.2 W/kg

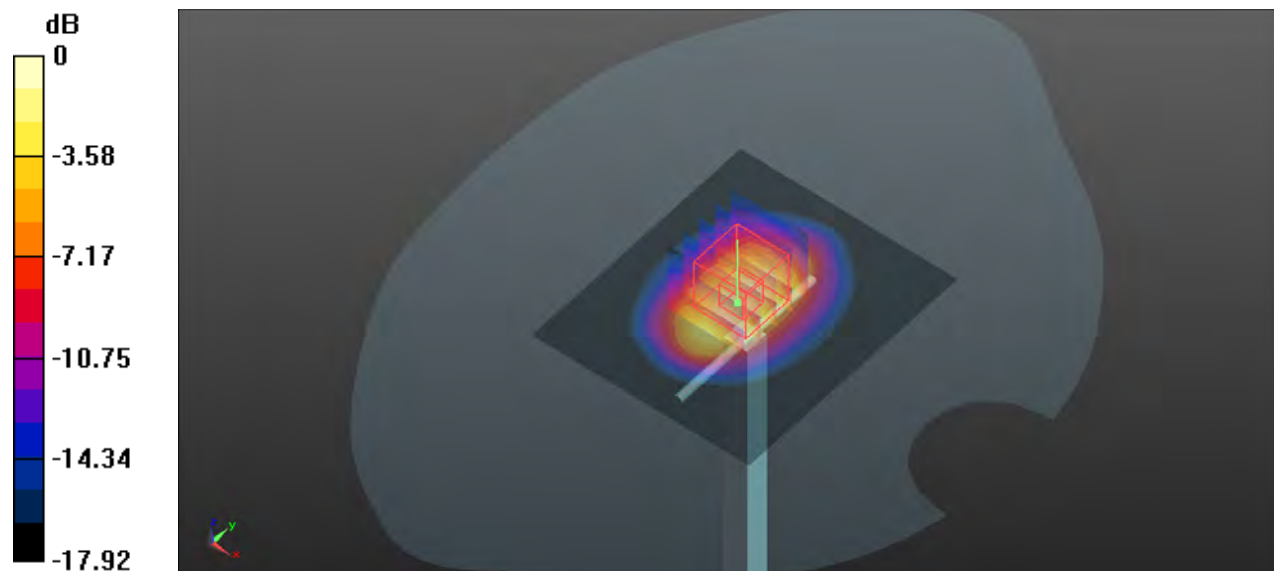
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.93 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 9.34 W/kg; SAR(10 g) = 4.89 W/kg

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg

System Check_HSL2450_20221112

DUT: Dipole:2450 MHz;Type:D2450V2

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1

Medium: HSL2450_1112 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.8$ S/m; $\epsilon_r = 40.379$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2450 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 19.2 W/kg

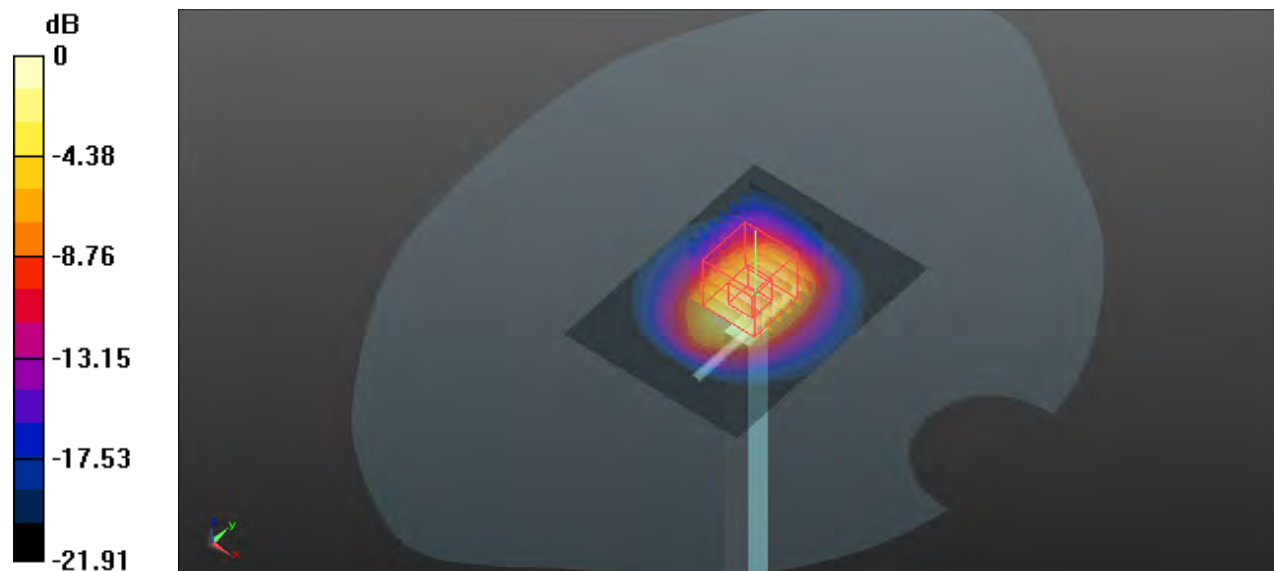
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 109.1 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 24.3 W/kg

SAR(1 g) = 12.5 W/kg; SAR(10 g) = 5.75 W/kg

Maximum value of SAR (measured) = 18.2 W/kg



0 dB = 18.2 W/kg

System Check_HSL2600_20221118

DUT: Dipole:2600 MHz;Type:D2600V2

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1

Medium: HSL2600_1118 Medium parameters used: $f = 2600$ MHz; $\sigma = 1.894$ S/m; $\epsilon_r = 39.136$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=250mW/Area Scan (61x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 22.3 W/kg

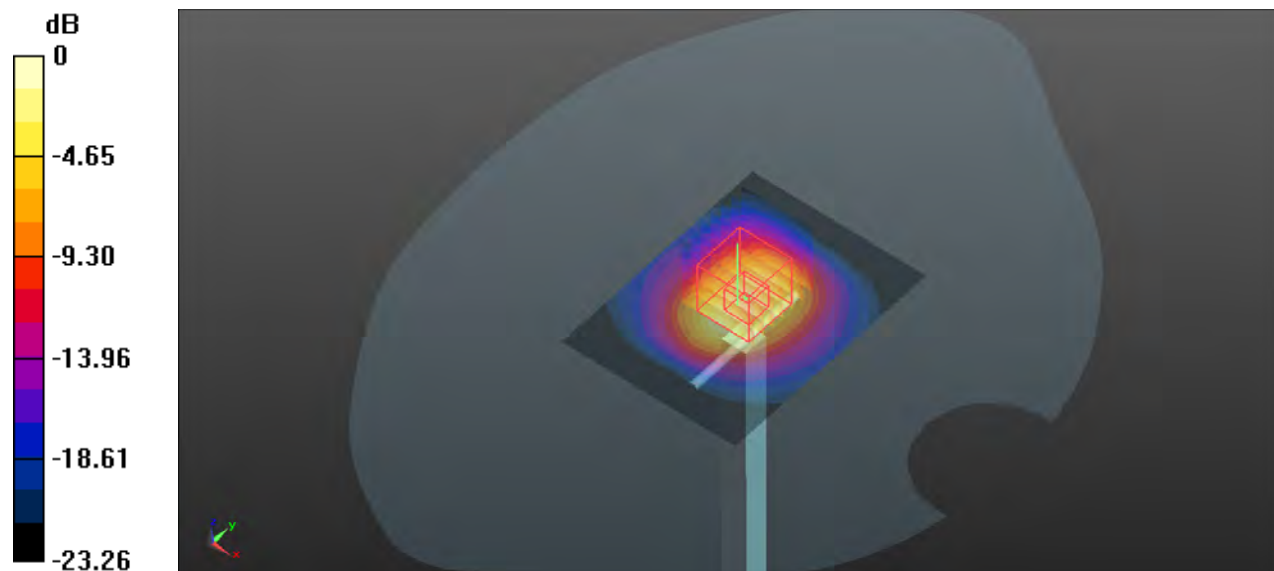
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 108.3 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.21 W/kg

Maximum value of SAR (measured) = 20.3 W/kg



0 dB = 20.3 W/kg

System Check_HSL5250_20221119

DUT: Dipole 5GHzV2;Type:D5GHzV2

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1

Medium: HSL5G_1119 Medium parameters used: $f = 5250$ MHz; $\sigma = 4.703$ S/m; $\epsilon_r = 36.115$; $\rho = 1000$ kg/m³

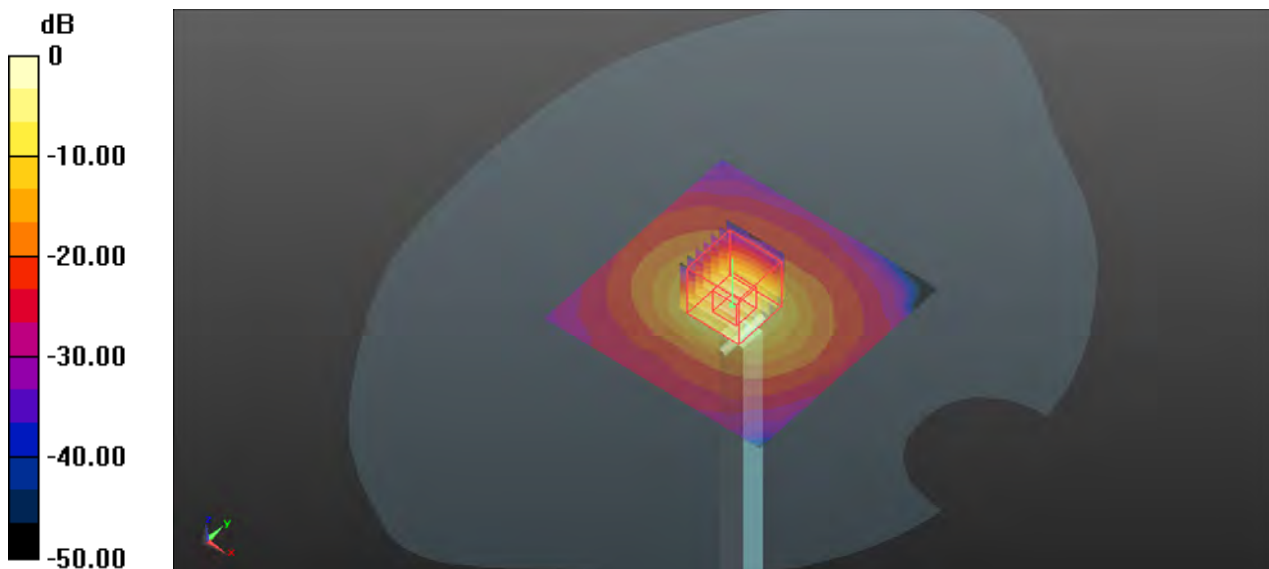
Ambient Temperature : 23.6°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5250 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 14.8 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 57.55 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 7.42 W/kg; SAR(10 g) = 2.14 W/kg
Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 15.2 W/kg

System Check_HSL5600_20221120

DUT: Dipole 5GHzV2;Type:D5GHzV2

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1

Medium: HSL5G_1120 Medium parameters used: $f = 5600$ MHz; $\sigma = 5.129$ S/m; $\epsilon_r = 35.495$; $\rho = 1000$ kg/m³

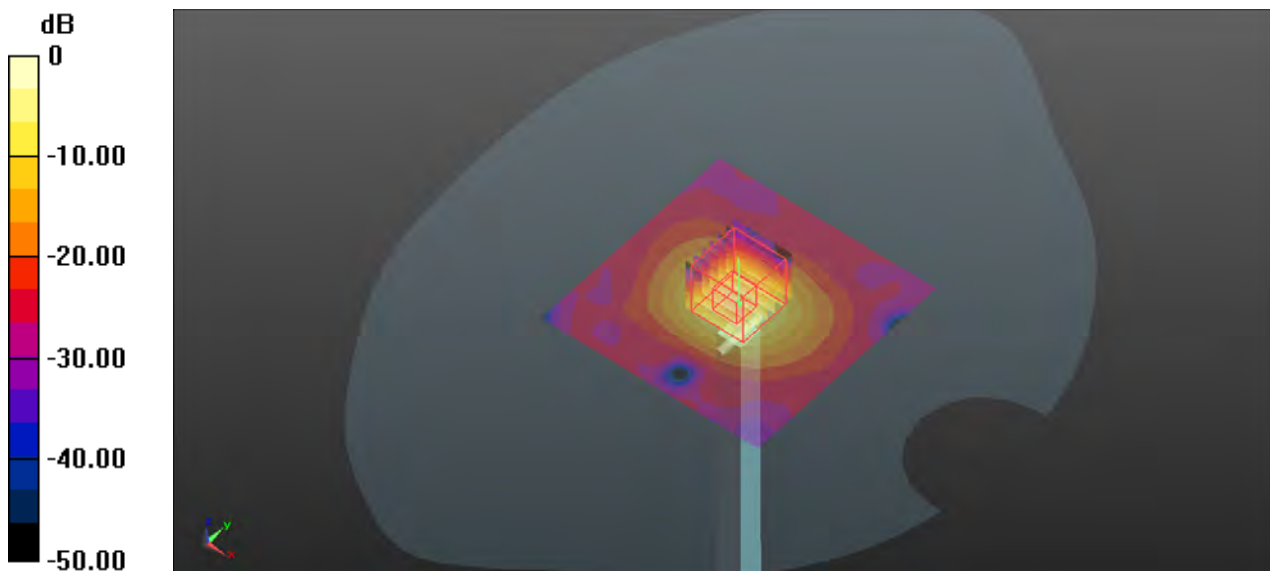
Ambient Temperature : 23.4°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5600 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 14.5 W/kg

Pin=100mW/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 55.41 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 31.8 W/kg
SAR(1 g) = 7.58 W/kg; SAR(10 g) = 2.15 W/kg
Maximum value of SAR (measured) = 15.9 W/kg



0 dB = 15.9 W/kg

System Check_HSL5800_20221119

DUT: Dipole 5GHzV2;Type:D5GHzV2

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1

Medium: HSL5G_1119 Medium parameters used: $f = 5800$ MHz; $\sigma = 5.358$ S/m; $\epsilon_r = 35.122$; $\rho = 1000$ kg/m³

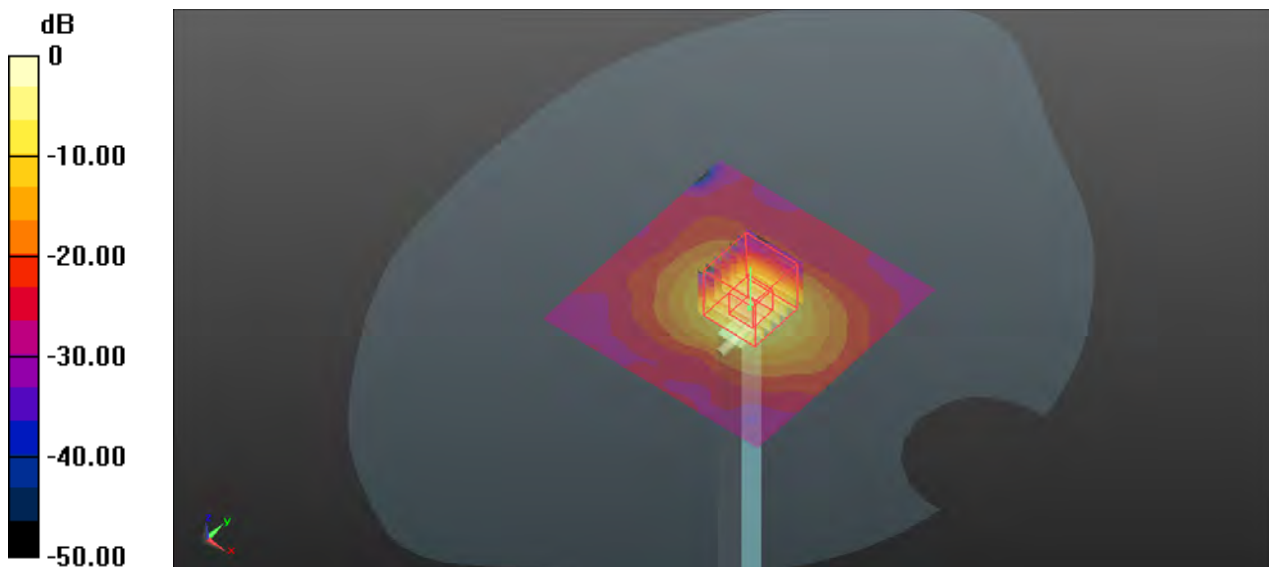
Ambient Temperature : 23.2°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5800 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=100mW/Area Scan (91x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 14.1 W/kg

Pin=100mW/Zoom Scan (7x7x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 51.26 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 32.4 W/kg
SAR(1 g) = 7.23 W/kg; SAR(10 g) = 2.13 W/kg
Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 14.8 W/kg



Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

P01 GSM850_GPRS 3Tx slot_Left Cheek_Ch251

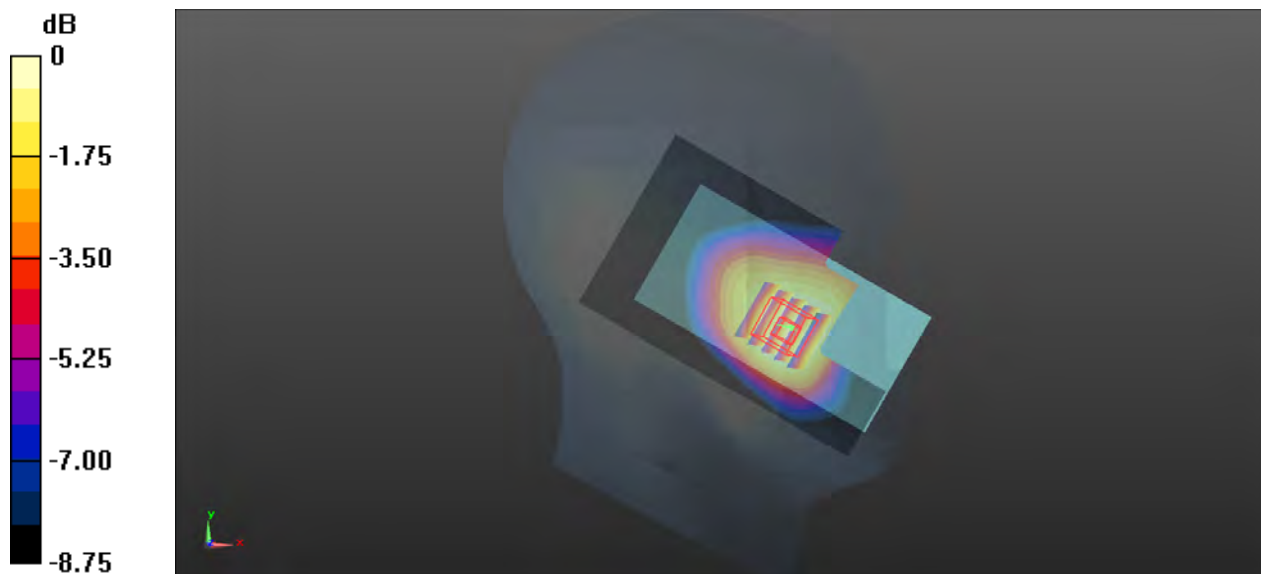
Communication System: GPRS 3Tx-slot; Frequency: 848.8 MHz; Duty Cycle: 1:2.77
Medium: HSL835_1115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.137$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 848.8 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x91x1):** Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 0.399 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.934 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.418 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.275 W/kg
Maximum value of SAR (measured) = 0.390 W/kg



0 dB = 0.390 W/kg

P02 GSM1900_GPRS 3Tx slot_Right Cheek_Ch512

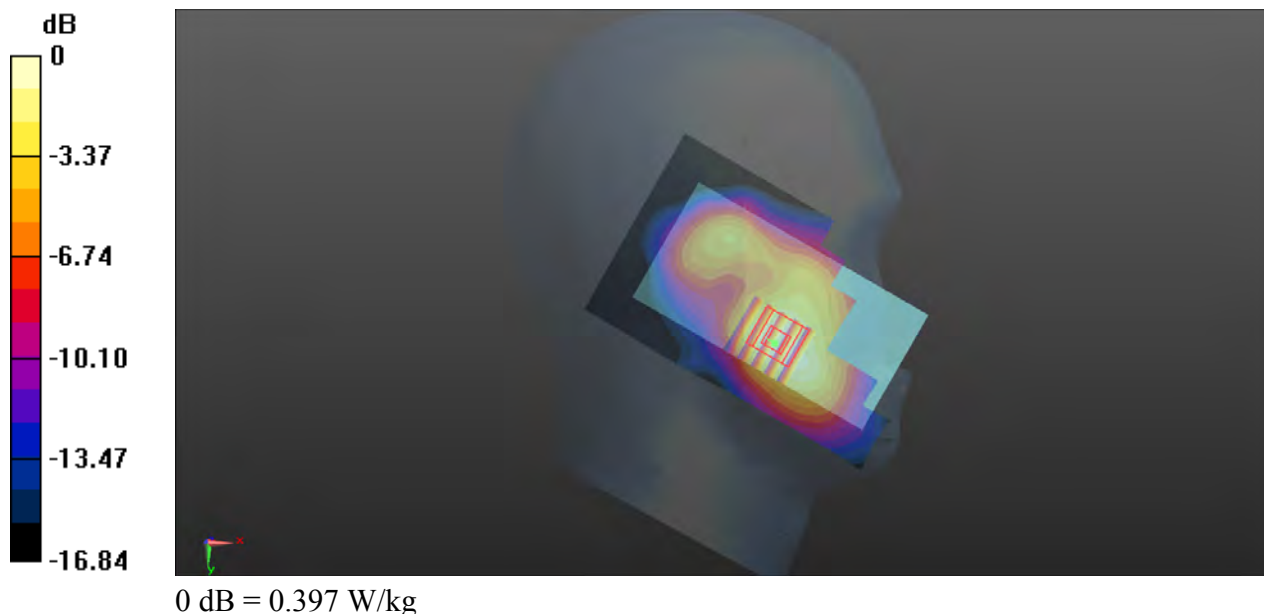
Communication System: GPRS 3Tx-slot; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77
Medium: HSL1900_1117 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 39.82$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1850.2 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.431 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.386 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.471 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.197 W/kg
Maximum value of SAR (measured) = 0.397 W/kg



P03 WCDMA II_RMC12.2K_Right Cheek_Ch9538

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: HSL1900_1117 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.427$ S/m; $\epsilon_r = 39.759$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1907.6 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.804 W/kg

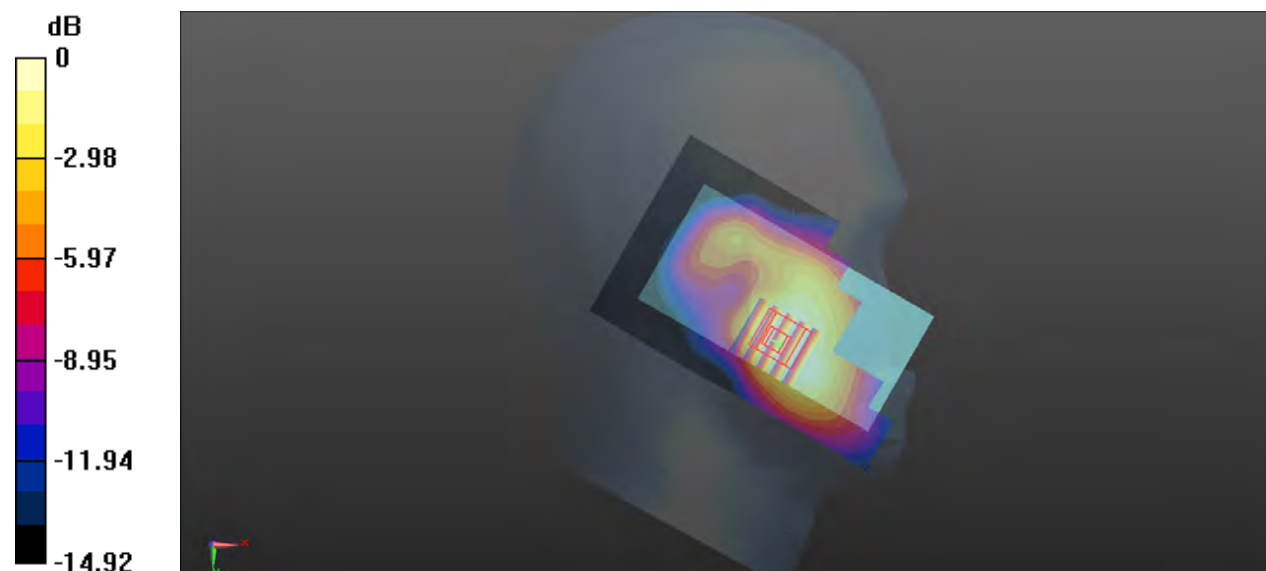
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.292 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.781 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.330 W/kg

Maximum value of SAR (measured) = 0.627 W/kg



0 dB = 0.627 W/kg

P04 WCDMA IV_RMC12.2K_Right Cheek_Ch1513

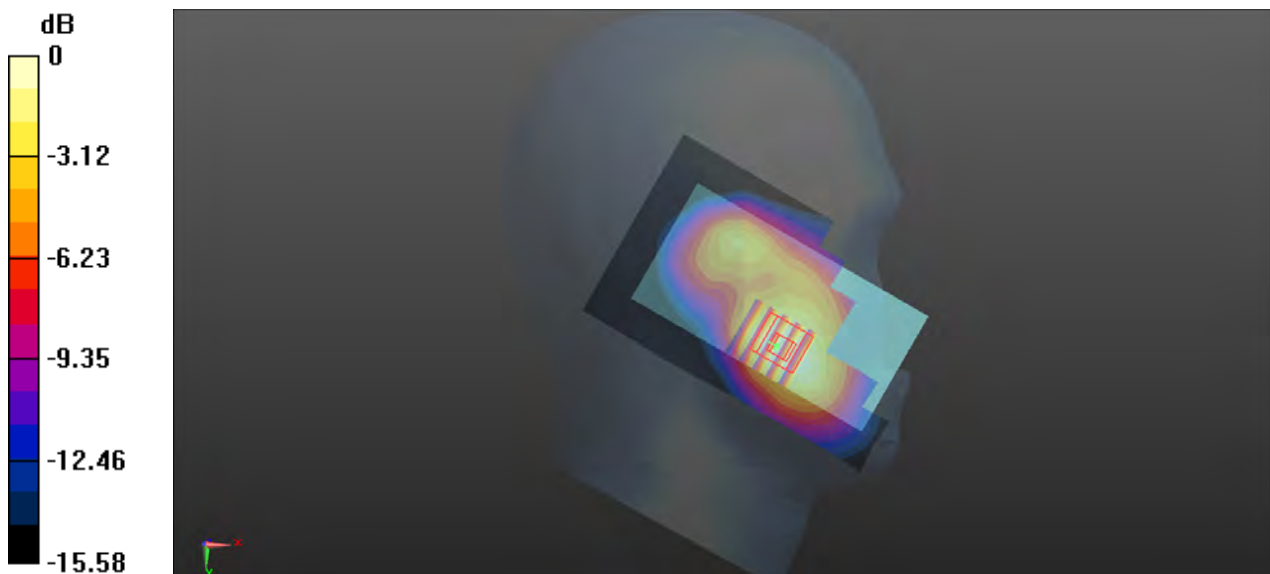
Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1
 Medium: HSL1750_1116 Medium parameters used: $f = 1753 \text{ MHz}$; $\sigma = 1.335 \text{ S/m}$; $\epsilon_r = 39.838$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : 23.5°C ; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1752.6 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Maximum value of SAR (interpolated) = 0.876 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 6.971 V/m ; Power Drift = 0.12 dB
 Peak SAR (extrapolated) = 0.942 W/kg
SAR(1 g) = 0.641 W/kg ; SAR(10 g) = 0.411 W/kg
 Maximum value of SAR (measured) = 0.801 W/kg



0 dB = 0.801 W/kg

P05 WCDMA V_RMC12.2K_Left Cheek_Ch4132

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL835_1115 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 43.209$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 826.4 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x91x1)**: Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.337 W/kg

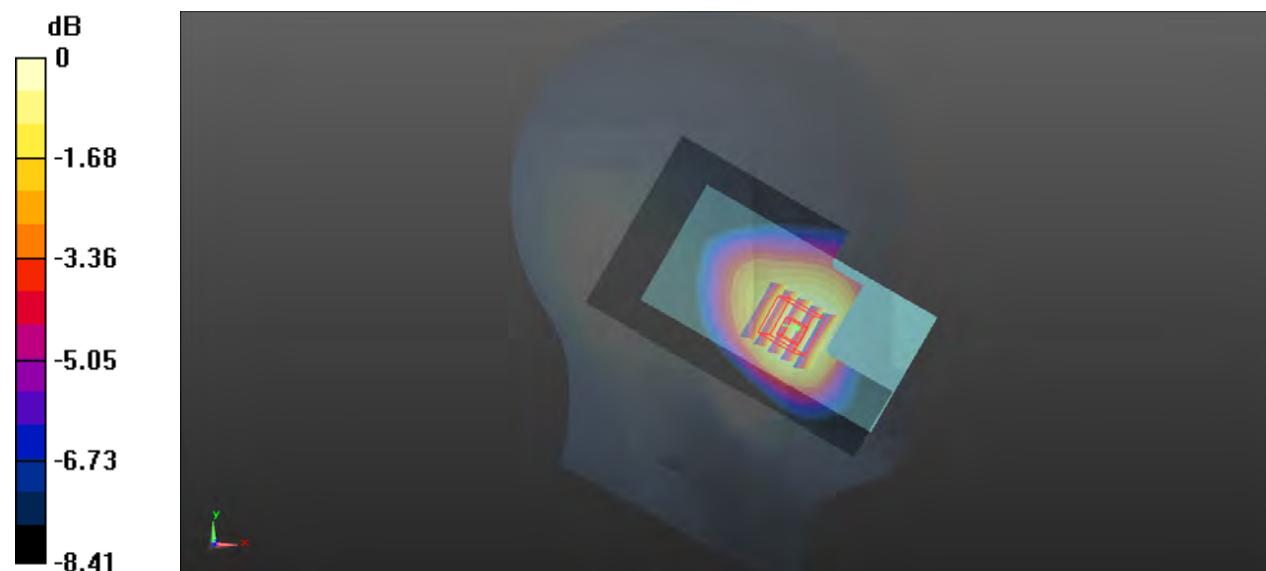
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.451 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.229 W/kg

Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg

P06 LTE 2_QPSK20M_Right Cheek_Ch18900_1RB_OS0

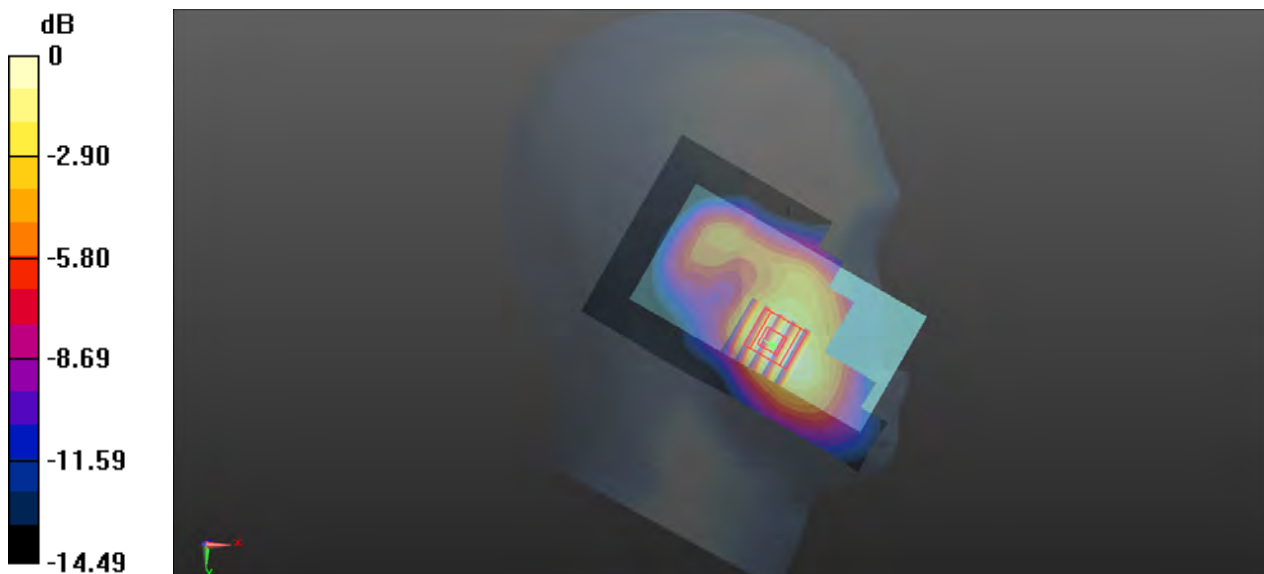
Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: HSL1900_1117 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.403$ S/m; $\epsilon_r = 39.749$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1880 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.867 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.421 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.952 W/kg
SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.412 W/kg
Maximum value of SAR (measured) = 0.804 W/kg



0 dB = 0.804 W/kg

P07 LTE 5_QPSK10M_Left Cheek_Ch20450_1RB_OS49

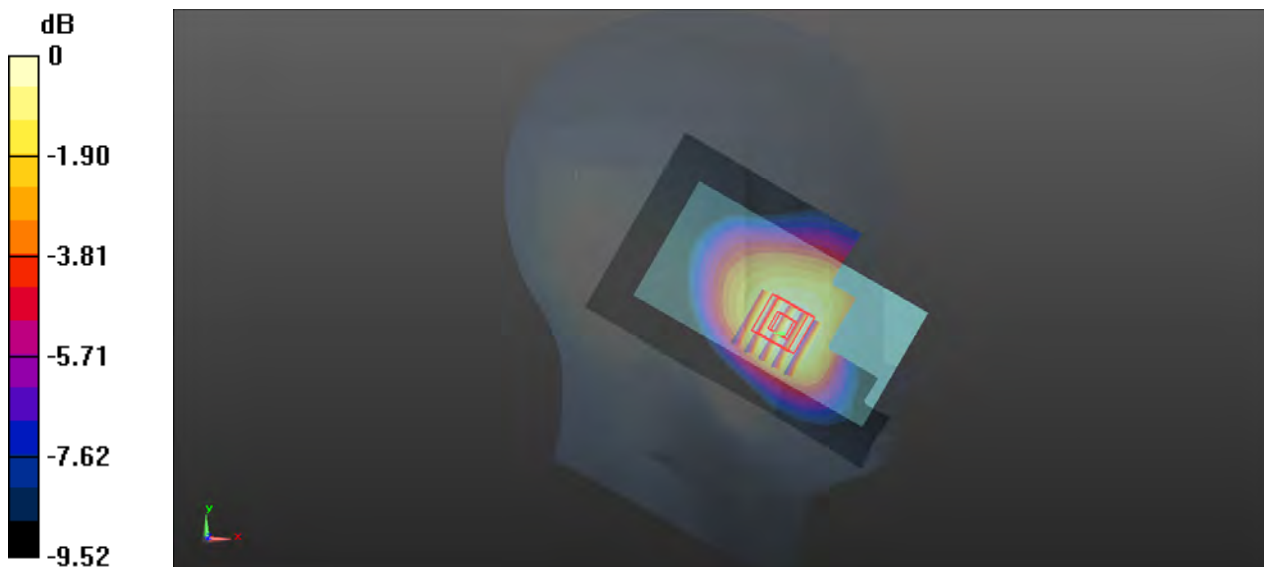
Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1
Medium: HSL835_1115 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 829 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.292 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 5.067 V/m ; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.305 W/kg
SAR(1 g) = 0.253 W/kg ; SAR(10 g) = 0.195 W/kg
Maximum value of SAR (measured) = 0.281 W/kg



0 dB = 0.281 W/kg

P08 LTE 7_QPSK20M_Right Cheek_Ch21350_1RB_OS0

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: HSL2600_1118 Medium parameters used: $f = 2560$ MHz; $\sigma = 1.864$ S/m; $\epsilon_r = 39.204$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2560 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

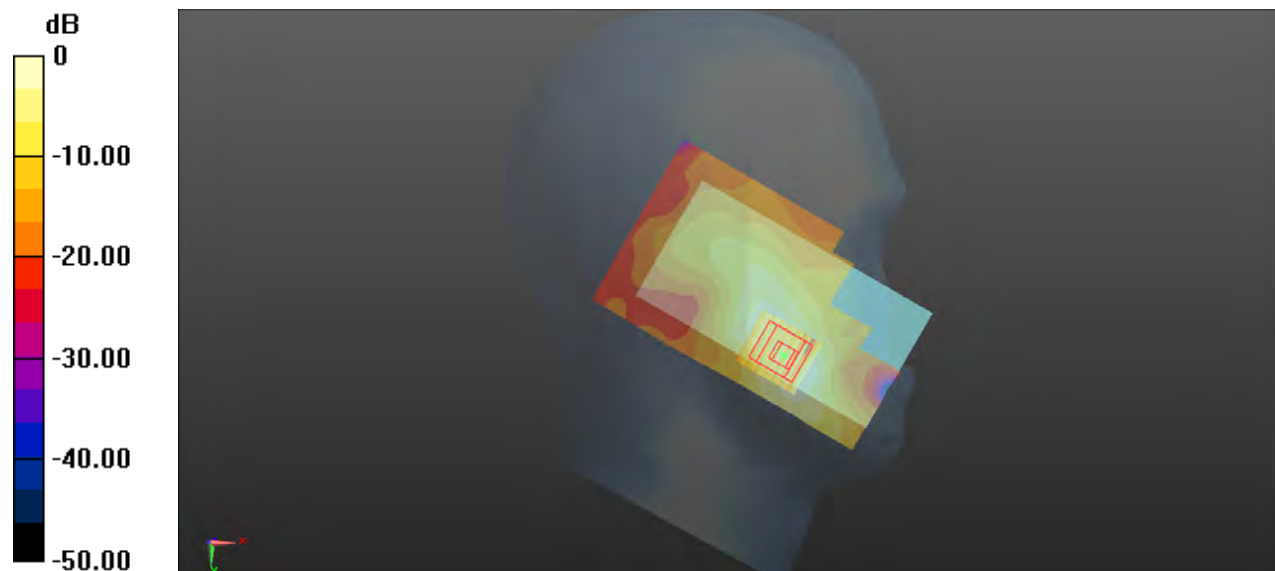
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.844 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.670 W/kg; SAR(10 g) = 0.368 W/kg

Maximum value of SAR (measured) = 0.932 W/kg



0 dB = 0.932 W/kg

P09 LTE 12_QPSK10M_Right Cheek_Ch23130_1RB_OS0

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750_1114 Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 42.443$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7°C ; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 711 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.167 W/kg

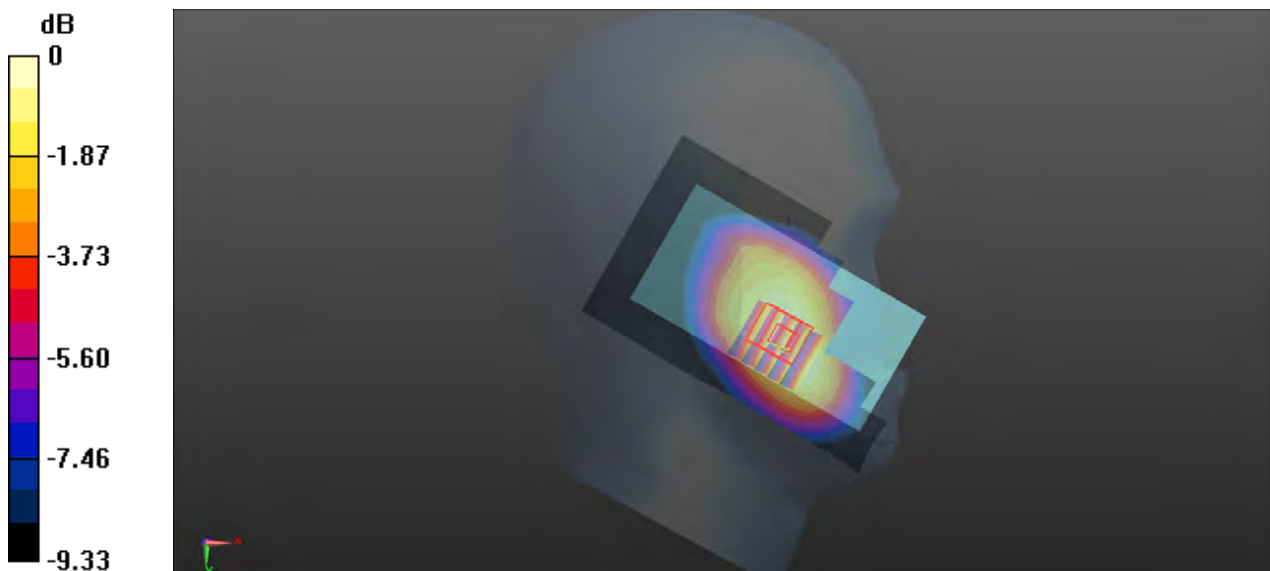
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.821 V/m ; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.139 W/kg ; SAR(10 g) = 0.104 W/kg

Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg

P10 LTE 13_QPSK10M_Right Cheek_Ch23230_1RB_OS49

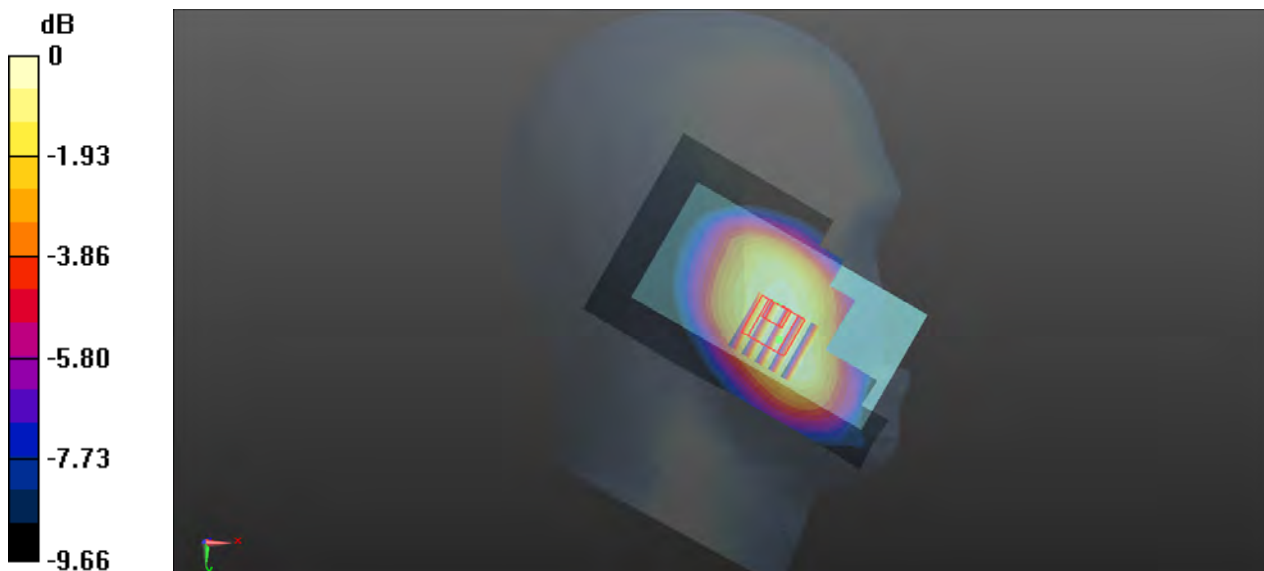
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: HSL750_1114 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 42.258$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.7°C ; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 782 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.123 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 3.605 V/m ; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.107 W/kg ; SAR(10 g) = 0.078 W/kg
Maximum value of SAR (measured) = 0.127 W/kg



P11 LTE 26_QPSK15M_Left Cheek_Ch26965_1RB_OS37

Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: HSL835_1115 Medium parameters used: $f = 841.5$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 43.156$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 841.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.472 W/kg

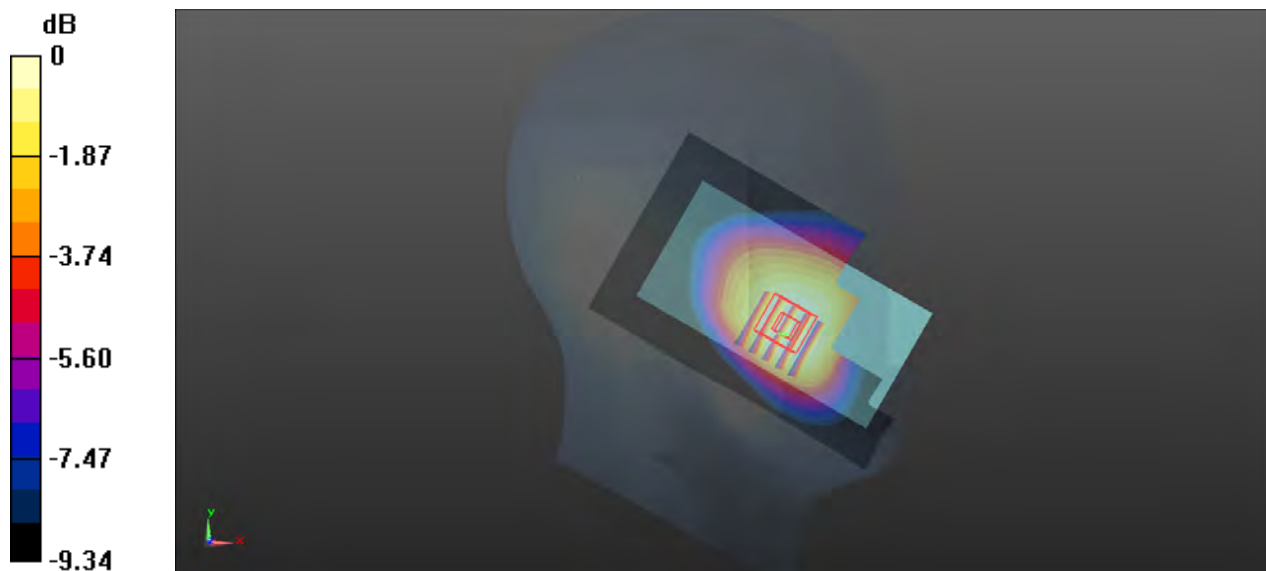
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.283 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.466 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.427 W/kg

P12 LTE 41_QPSK20M_Right Cheek_Ch40620_1RB_OS50

Communication System: LTE TDD; Frequency: 2593 MHz; Duty Cycle: 1:1.59

Medium: HSL2600_1118 Medium parameters used: $f = 2593$ MHz; $\sigma = 1.889$ S/m; $\epsilon_r = 39.15$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2593 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.397 W/kg

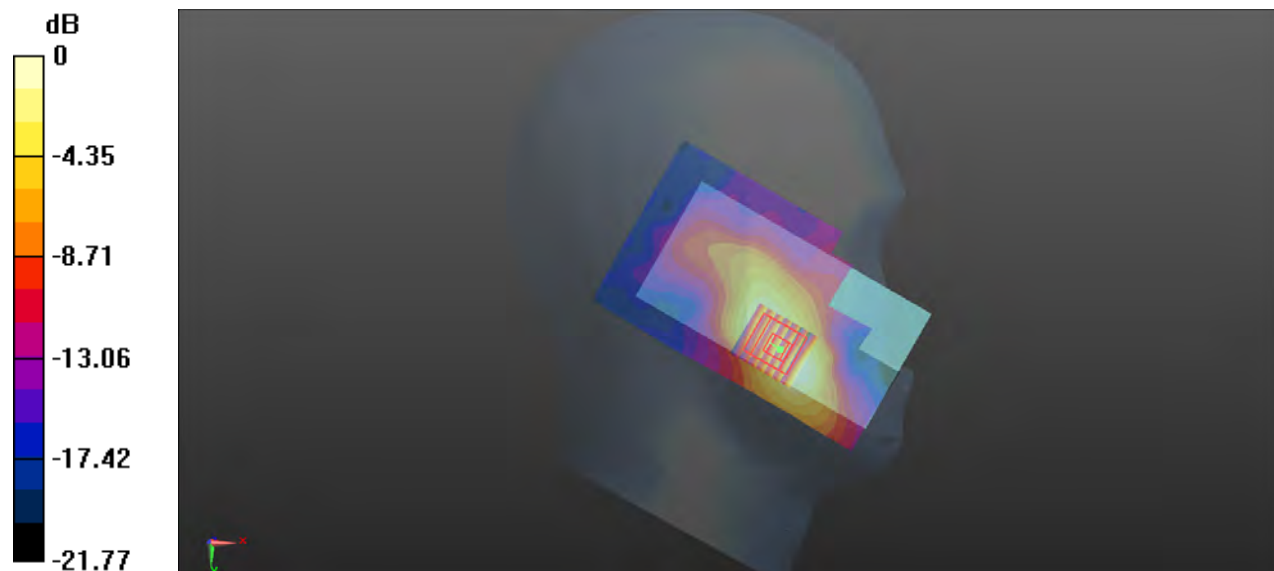
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.521 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.152 W/kg

Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.378 W/kg

P13 LTE 66_QPSK20M_Right Cheek_Ch132572_1RB_OS0

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL1750_1116 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.346$ S/m; $\epsilon_r = 39.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1770 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

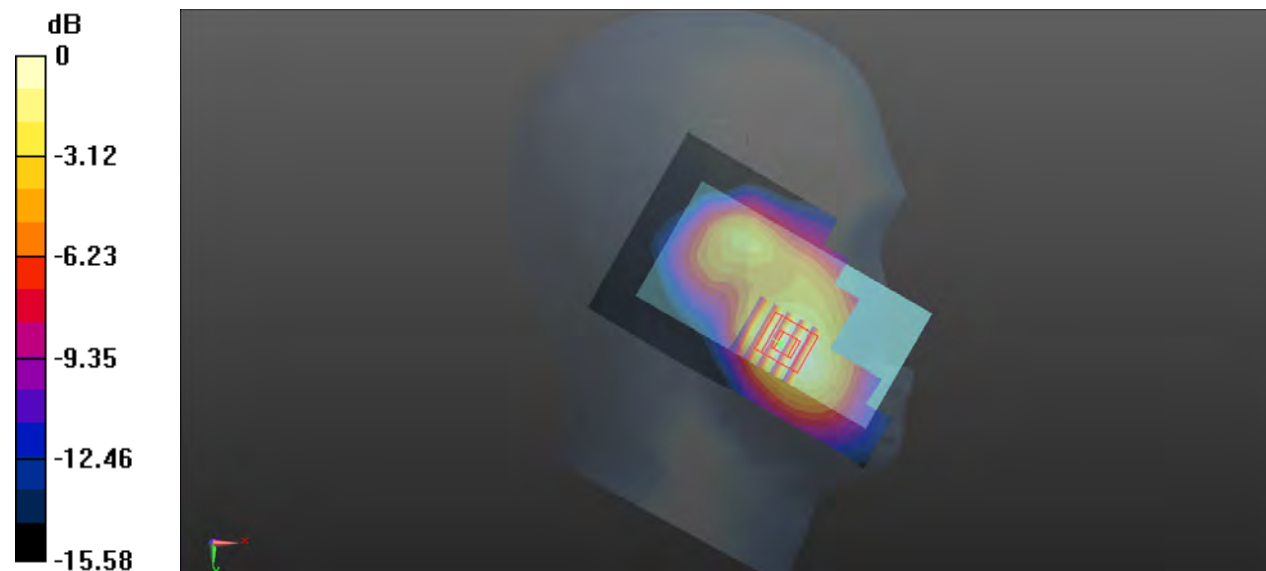
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.601 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.775 W/kg; SAR(10 g) = 0.507 W/kg

Maximum value of SAR (measured) = 0.959 W/kg



0 dB = 0.959 W/kg

P14 WLAN2.4G_802.11b_Right Cheek_Ch11

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL2450_1112 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 40.36$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2462 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.454 W/kg

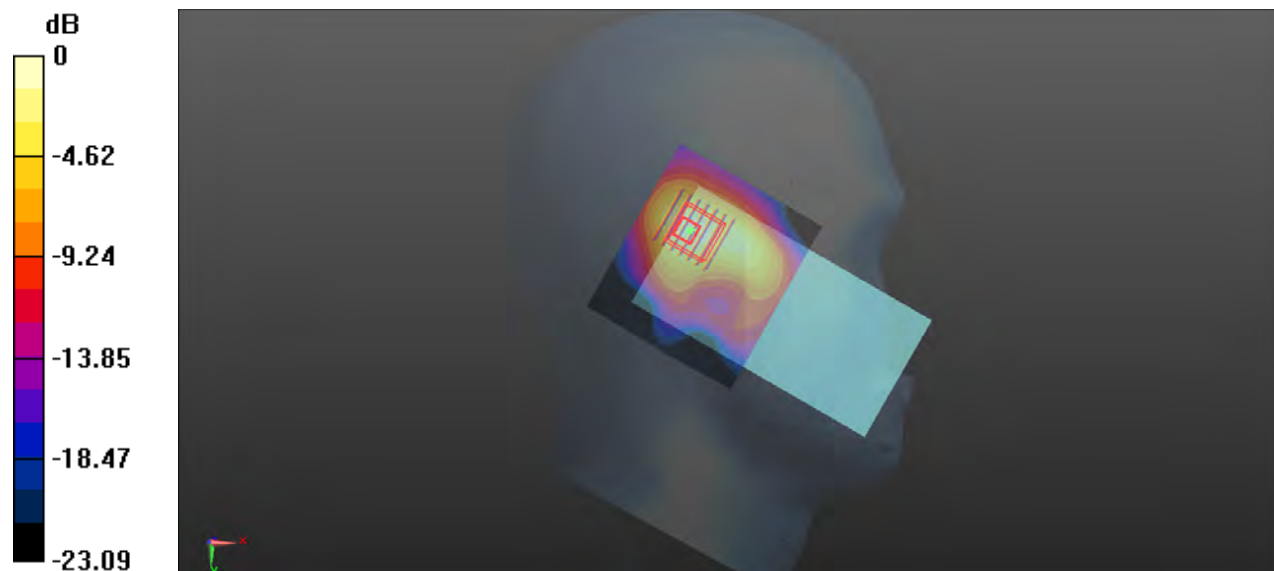
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.946 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.436 W/kg

P15 WLAN5.3G_802.11a_Left Tilted_Ch64

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.02

Medium: HSL5G_1119 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.792$ S/m; $\epsilon_r = 36.015$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5320 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.81 W/kg

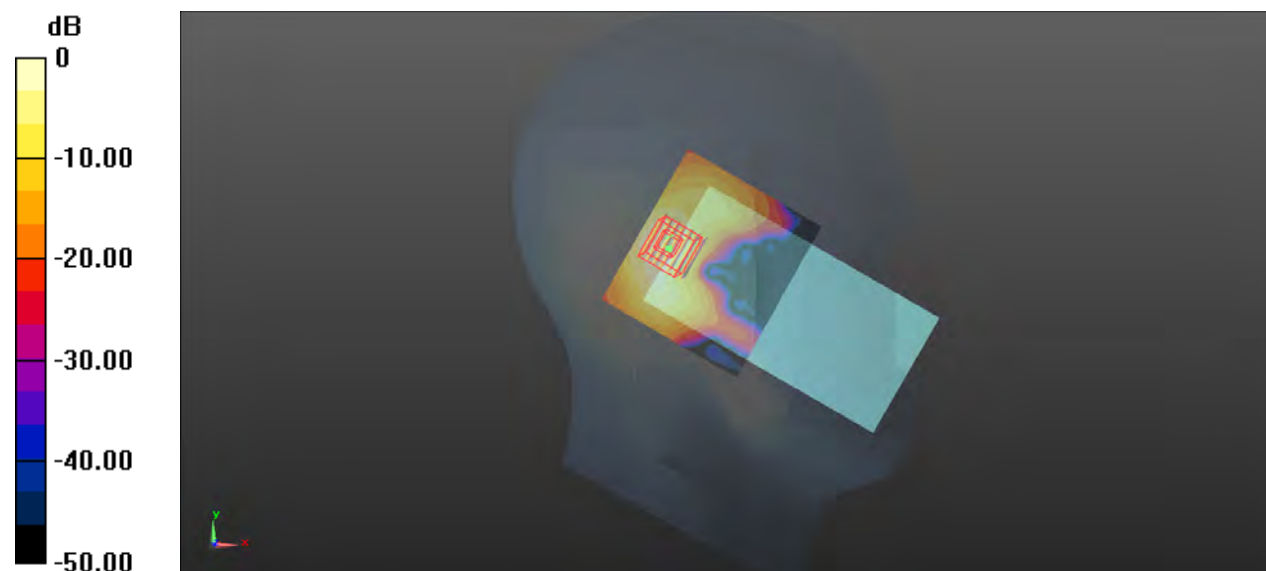
- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 9.649 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 0.929 W/kg; SAR(10 g) = 0.325 W/kg

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg

P16 WLAN5.6G_802.11a_Left Tilted_Ch116

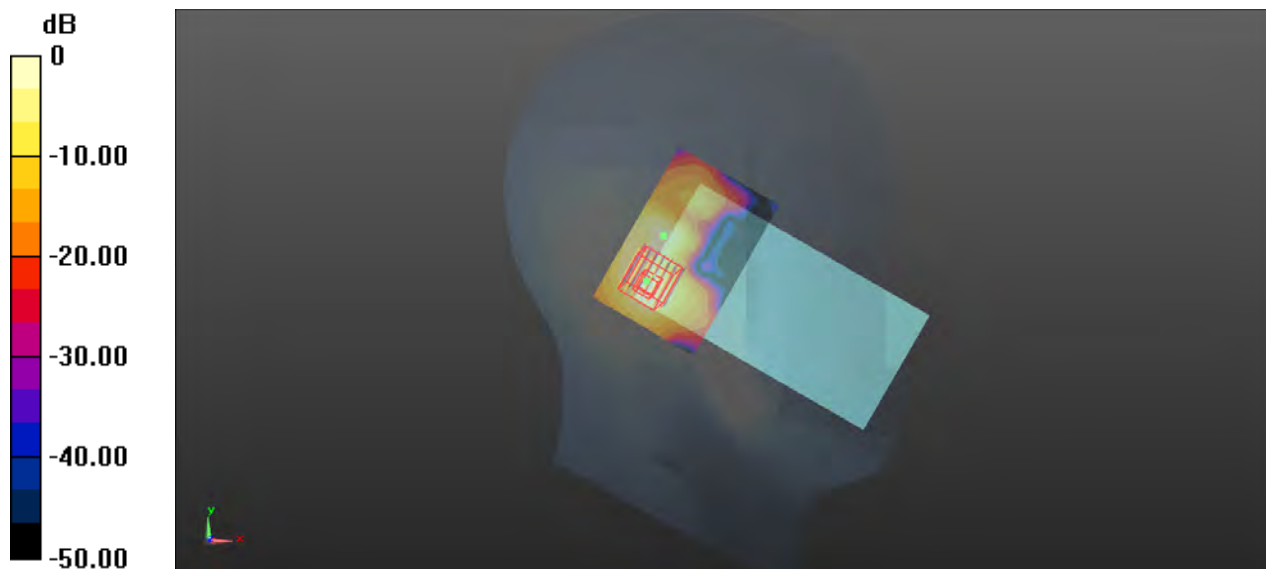
Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1.02
 Medium: HSL5G_1120 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.1$ S/m; $\epsilon_r = 35.538$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.4°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5580 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x61x1):** Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
 Maximum value of SAR (interpolated) = 1.89 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
 Reference Value = 8.083 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 3.22 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.349 W/kg
 Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg

P17 WLAN5.8G_802.11a_Left Tilted_Ch157

Communication System: 802.11a; Frequency: 5785 MHz; Duty Cycle: 1:1.02

Medium: HSL5G_1119 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.337$ S/m; $\epsilon_r = 35.158$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5785 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x61x1)**: Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.46 W/kg

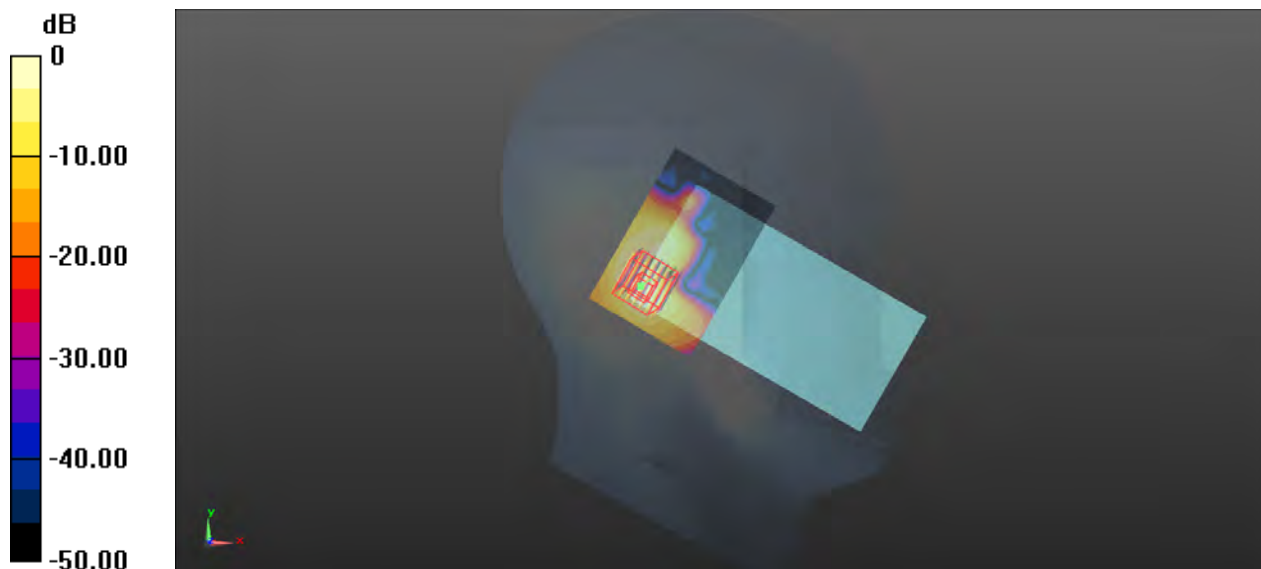
- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.926 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.73 W/kg

SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.252 W/kg

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg

P18 BT_DQPSK_Right Cheek_Ch0

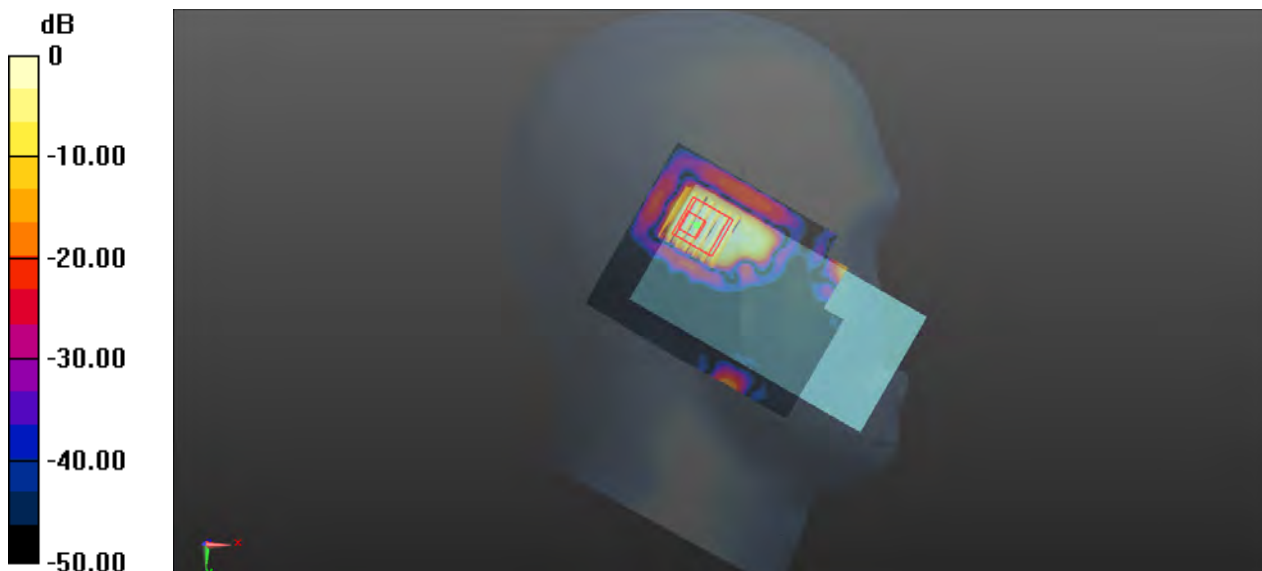
Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.3
Medium: HSL2450_1112 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.737$ S/m; $\epsilon_r = 40.582$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2402 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00728 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.7790 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.00919 W/kg
SAR(1 g) = 0.00444 W/kg; SAR(10 g) = 0.00178 W/kg
Maximum value of SAR (measured) = 0.00716 W/kg



0 dB = 0.00716 W/kg

P19 GSM850_GPRS 3Tx slot_Rear Face_1cm_Ch251

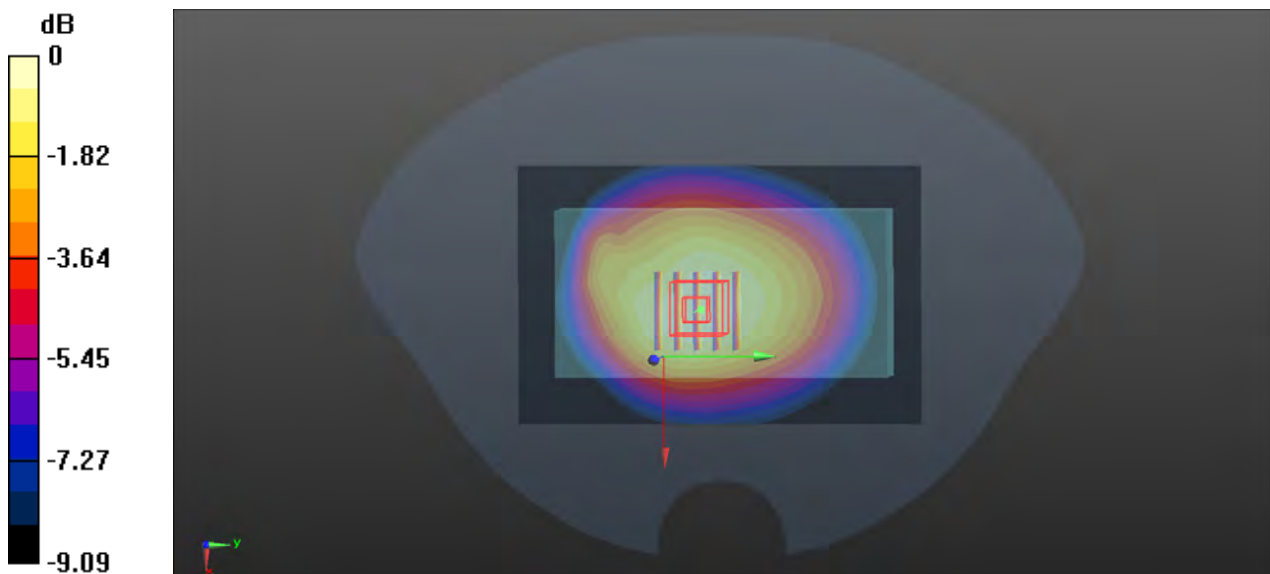
Communication System: GPRS 3Tx-slot; Frequency: 848.8 MHz; Duty Cycle: 1:2.77
 Medium: HSL835_1115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.137$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 848.8 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 0.761 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 26.70 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.464 W/kg
 Maximum value of SAR (measured) = 0.749 W/kg



0 dB = 0.749 W/kg

P20 GSM1900_GPRS 3Tx slot_Front Face_1cm_Ch512

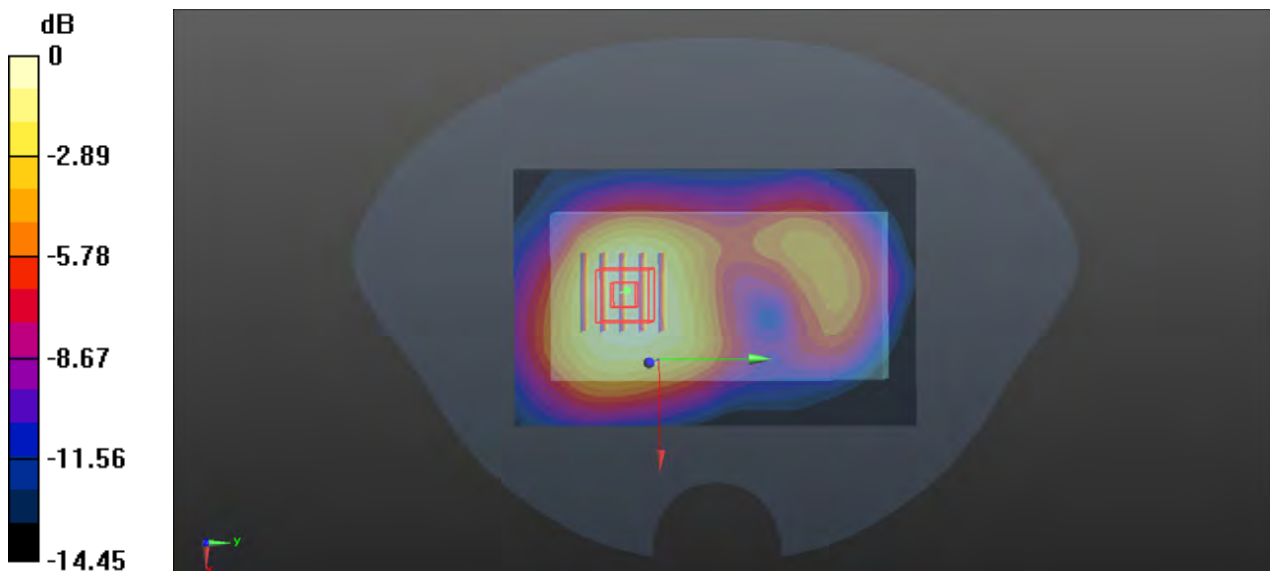
Communication System: GPRS 3Tx-slot; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77
 Medium: HSL1900_1117 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 39.82$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1850.2 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 0.403 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 8.127 V/m; Power Drift = 0.08 dB
 Peak SAR (extrapolated) = 0.464 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.201 W/kg
 Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.389 W/kg

P21 WCDMA II_RMC12.2K_Front Face_1cm_Ch9262

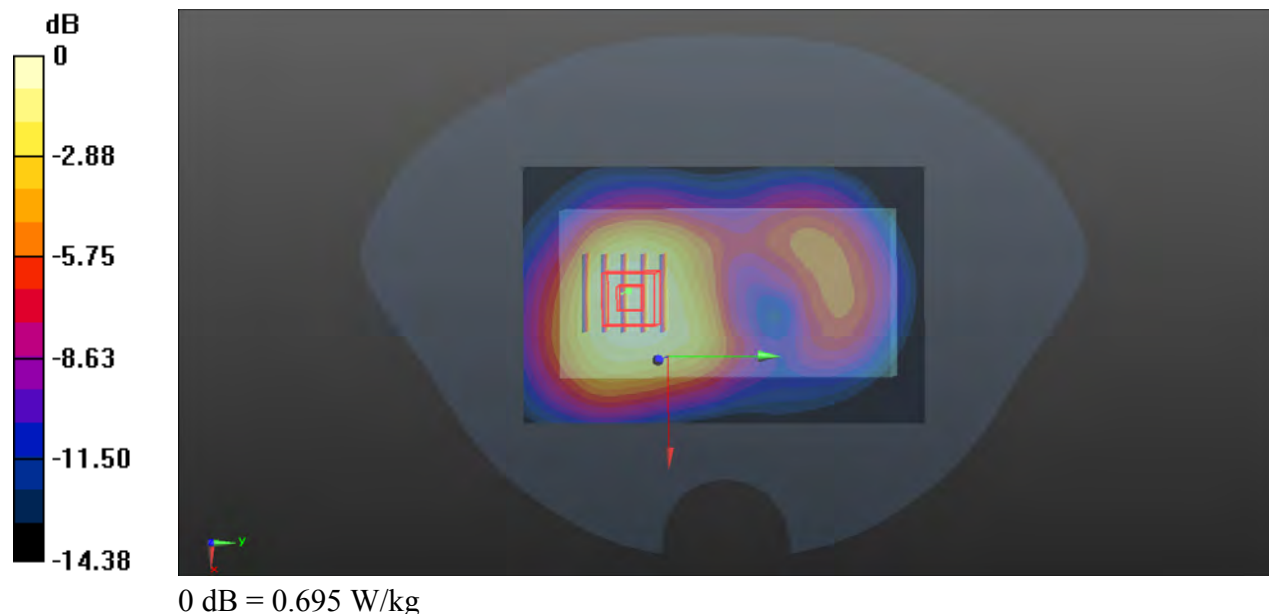
Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: HSL1900_1117 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 39.814$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1852.4 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.703 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.691 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.826 W/kg
SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.352 W/kg
Maximum value of SAR (measured) = 0.695 W/kg



P22 WCDMA IV_RMC12.2K_Front Face_1cm_Ch1513

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: HSL1750_1116 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.335$ S/m; $\epsilon_r = 39.838$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1752.6 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.637 W/kg

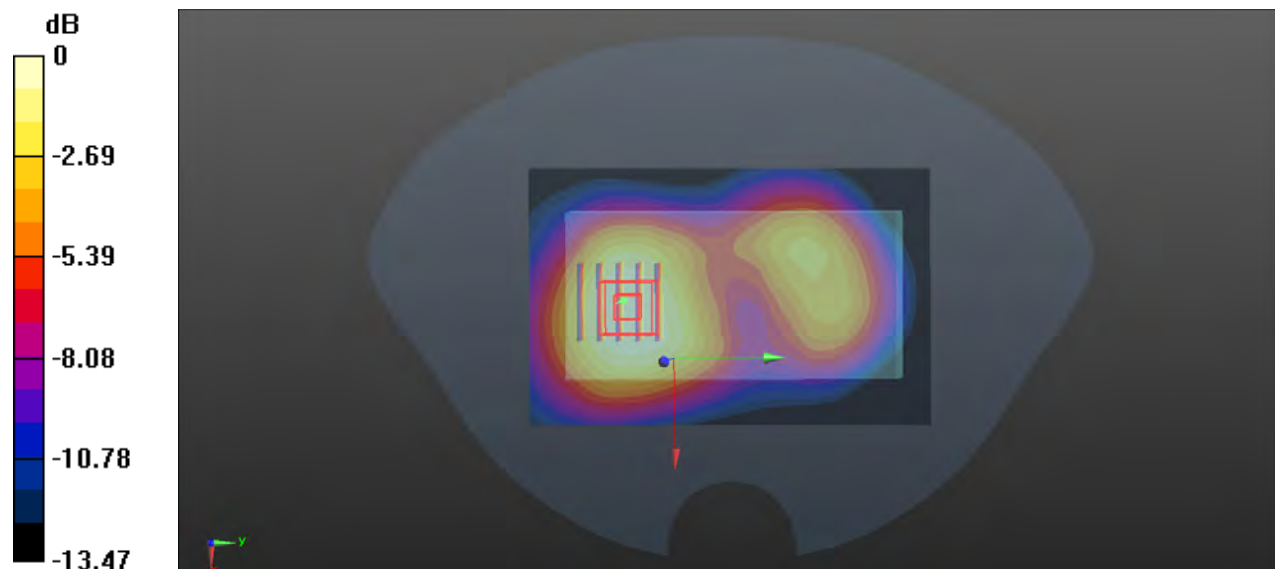
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.070 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.758 W/kg

SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg

P23 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: HSL835_1115 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.919$ S/m; $\epsilon_r = 43.209$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 826.4 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.645 W/kg

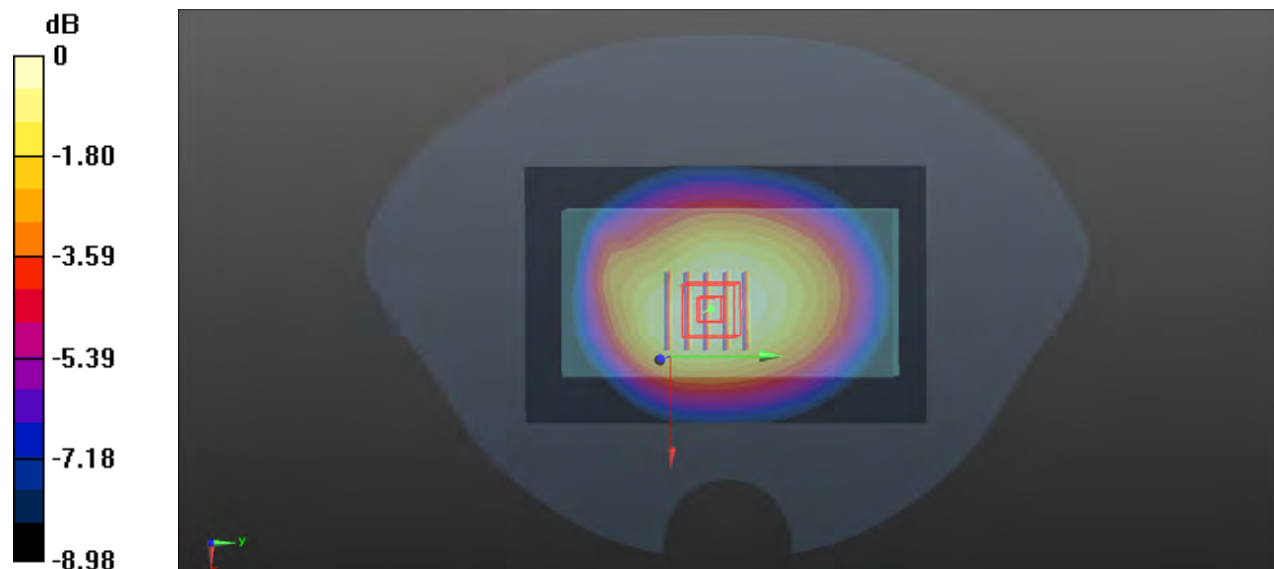
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.53 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.517 W/kg; SAR(10 g) = 0.383 W/kg

Maximum value of SAR (measured) = 0.609 W/kg



0 dB = 0.609 W/kg

P24 LTE 2_QPSK20M_Front Face_1cm_Ch19100_1RB_OS0

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900_1117 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.756$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1900 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.640 W/kg

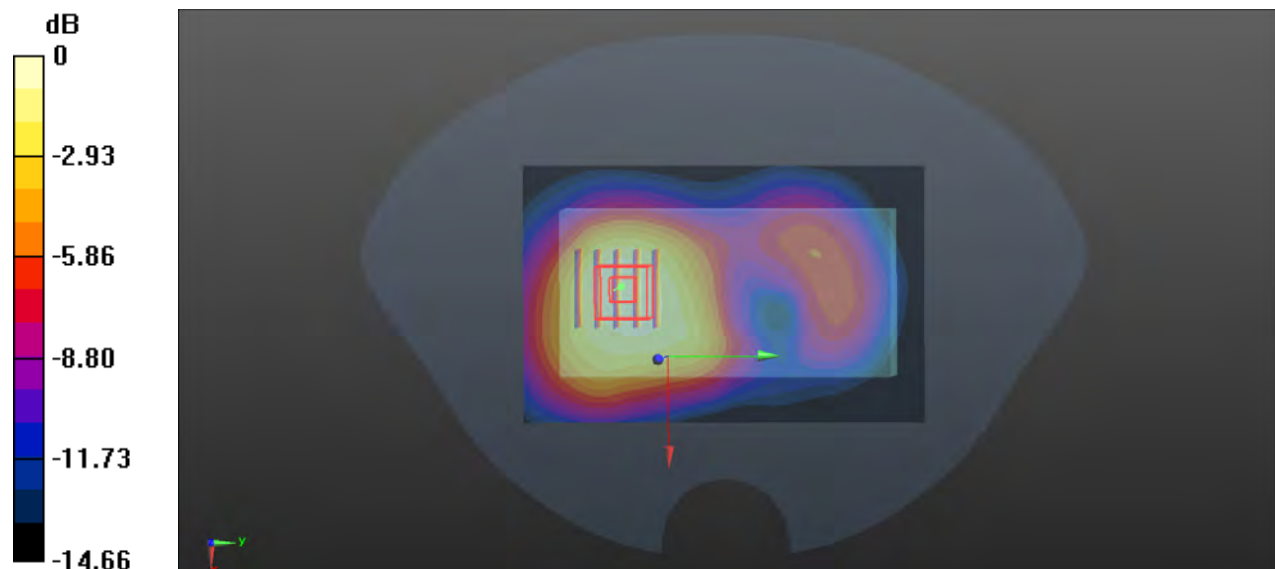
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.828 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.318 W/kg

Maximum value of SAR (measured) = 0.639 W/kg



0 dB = 0.639 W/kg

P25 LTE 5_QPSK10M_Rear Face_1cm_Ch20450_1RB_OS49

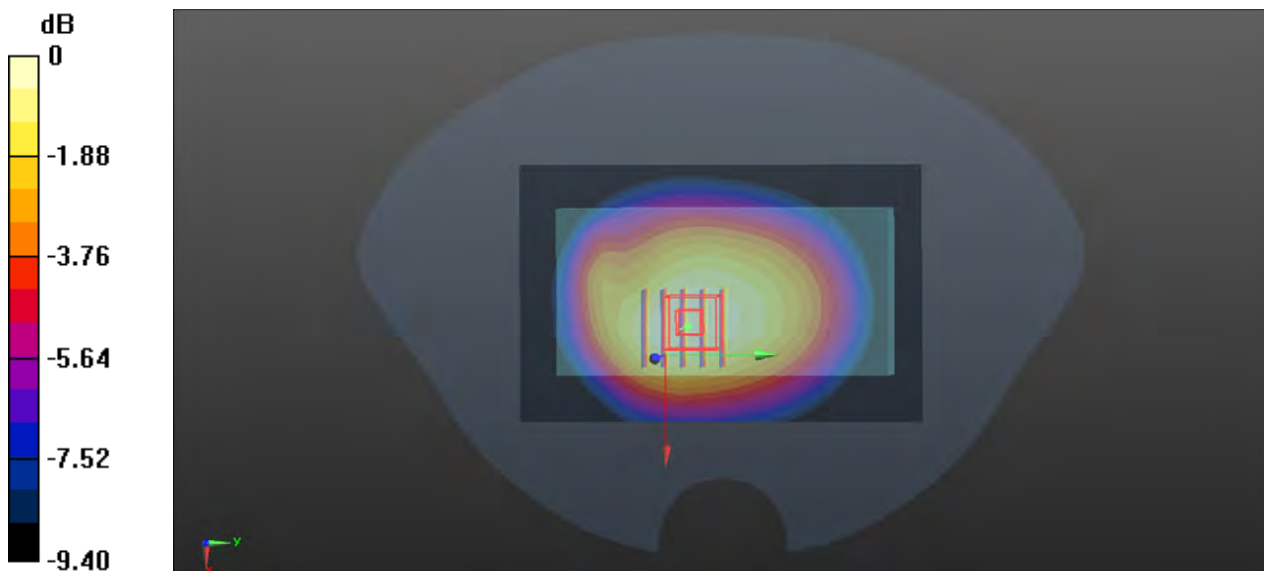
Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1
Medium: HSL835_1115 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 829 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.544 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 21.77 V/m ; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.602 W/kg
SAR(1 g) = 0.462 W/kg ; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg

P26 LTE 7_QPSK20M_Front Face_1cm_Ch21350_1RB_OS0

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium: HSL2600_1118 Medium parameters used: $f = 2560$ MHz; $\sigma = 1.864$ S/m; $\epsilon_r = 39.204$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2560 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.645 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.811 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.864 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 0.654 W/kg



0 dB = 0.654 W/kg

P27 LTE 12_QPSK10M_Rear Face_1cm_Ch23130_1RB_OS0

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: HSL750_1114 Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 42.443$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7°C ; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 711 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.240 W/kg

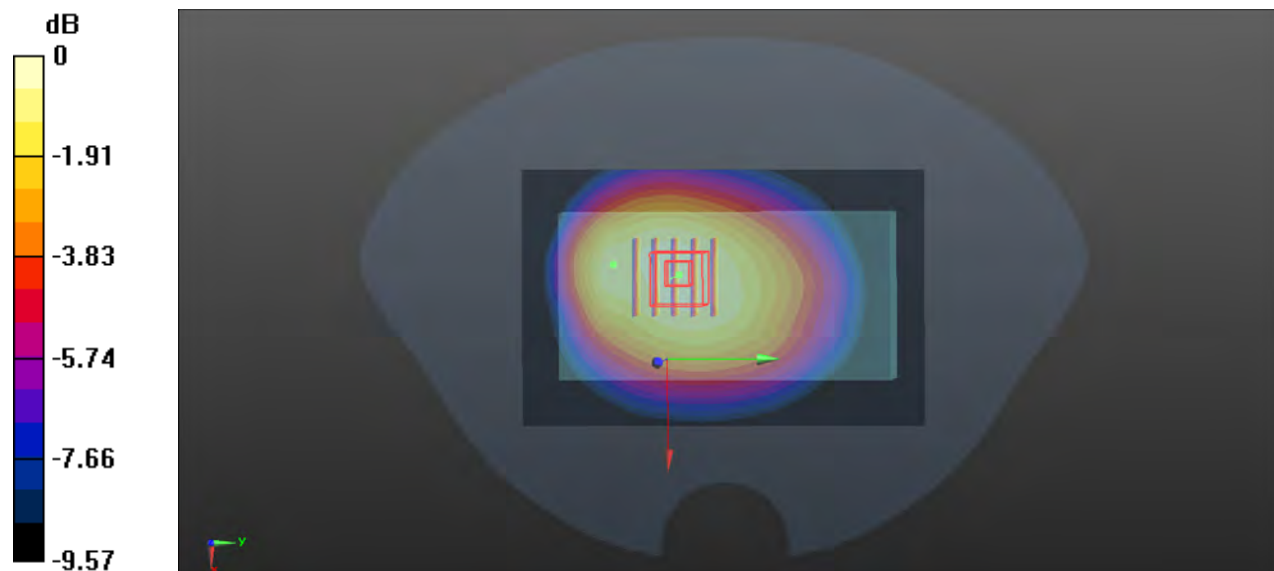
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.08 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.210 W/kg ; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.251 W/kg

P28 LTE 13_QPSK10M_Rear Face_1cm_Ch23230_1RB_OS49

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL750_1114 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 42.258$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7°C ; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 782 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.310 W/kg

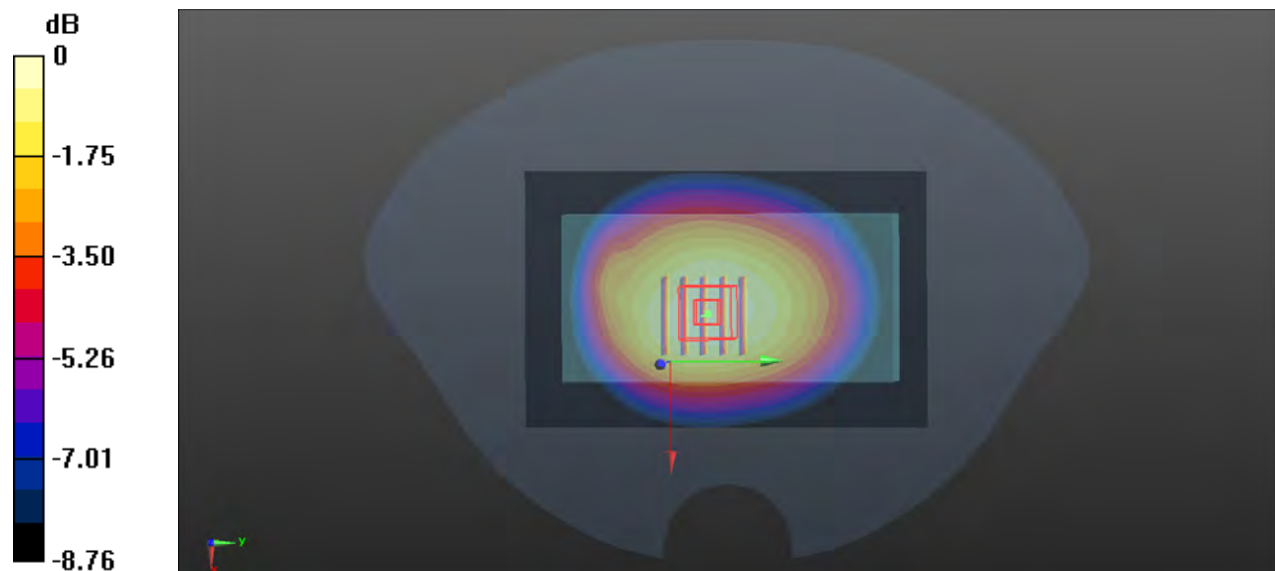
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.29 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.346 W/kg

SAR(1 g) = 0.267 W/kg ; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg

P29 LTE 26_QPSK15M_Rear Face_1cm_Ch26965_1RB_OS37

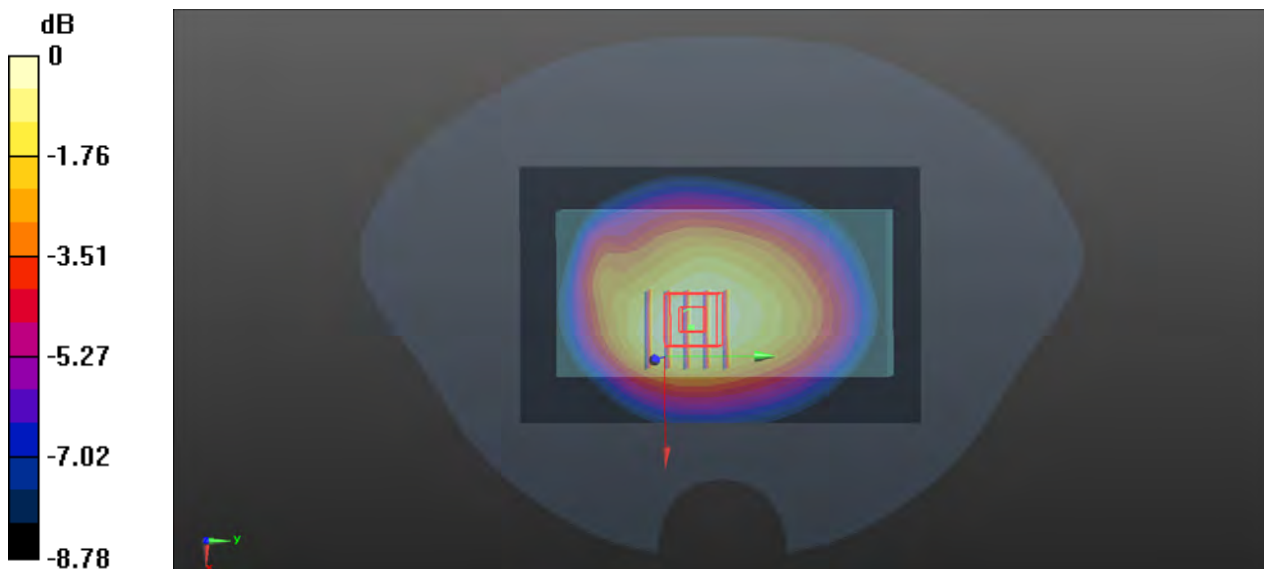
Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1
Medium: HSL835_1115 Medium parameters used: $f = 841.5 \text{ MHz}$; $\sigma = 0.925 \text{ S/m}$; $\epsilon_r = 43.156$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 841.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.608 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 22.03 V/m ; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.684 W/kg
SAR(1 g) = 0.513 W/kg ; SAR(10 g) = 0.375 W/kg
Maximum value of SAR (measured) = 0.602 W/kg



0 dB = 0.602 W/kg

P30 LTE 41_QPSK20M_Rear Face_1cm_Ch41490_1RB_OS50

Communication System: LTE TDD; Frequency: 2680 MHz; Duty Cycle: 1:1.59

Medium: HSL2600_1118 Medium parameters used: $f = 2680$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 39.005$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2680 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.448 W/kg

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

Reference Value = 4.800 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.556 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.154 W/kg

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



0 dB = 0.431 W/kg

P31 LTE 66_QPSK20M_Front Face_1cm_Ch132572_1RB_OS0

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: HSL1750_1116 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.346$ S/m; $\epsilon_r = 39.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1770 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.796 W/kg

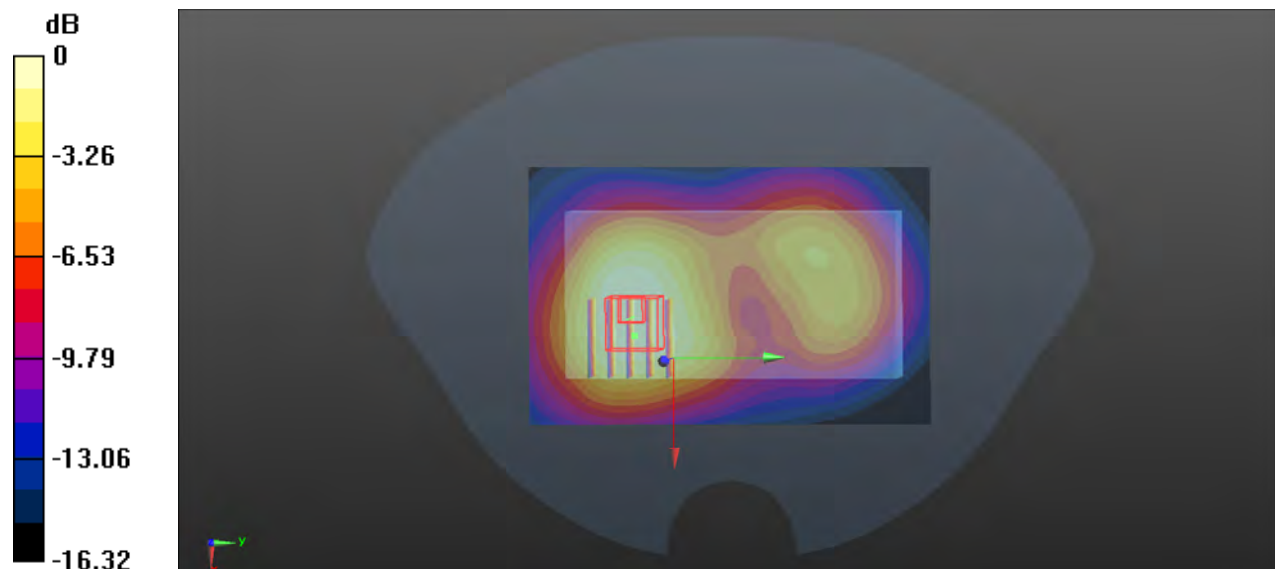
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.32 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.931 W/kg

SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.403 W/kg

Maximum value of SAR (measured) = 0.788 W/kg



0 dB = 0.788 W/kg

P32 WLAN2.4G_802.11b_Rear Face_1cm_Ch6

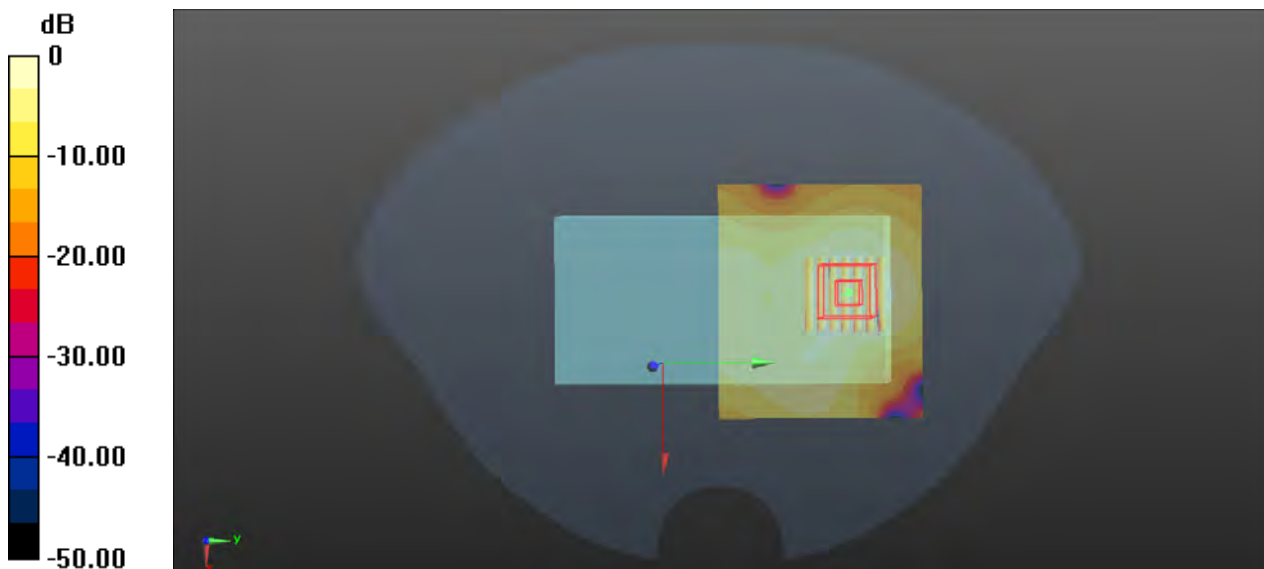
Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1.01
Medium: HSL2450_1119 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.781$ S/m; $\epsilon_r = 40.412$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2437 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.117 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.683 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.042 W/kg
Maximum value of SAR (measured) = 0.116 W/kg



0 dB = 0.116 W/kg

P33 WLAN5.3G_802.11a_Front Face_1cm_Ch64

Communication System: 802.11a; Frequency: 5320 MHz; Duty Cycle: 1:1.02

Medium: HSL5G_1119 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.792$ S/m; $\epsilon_r = 36.015$; $\rho = 1000$ kg/m³

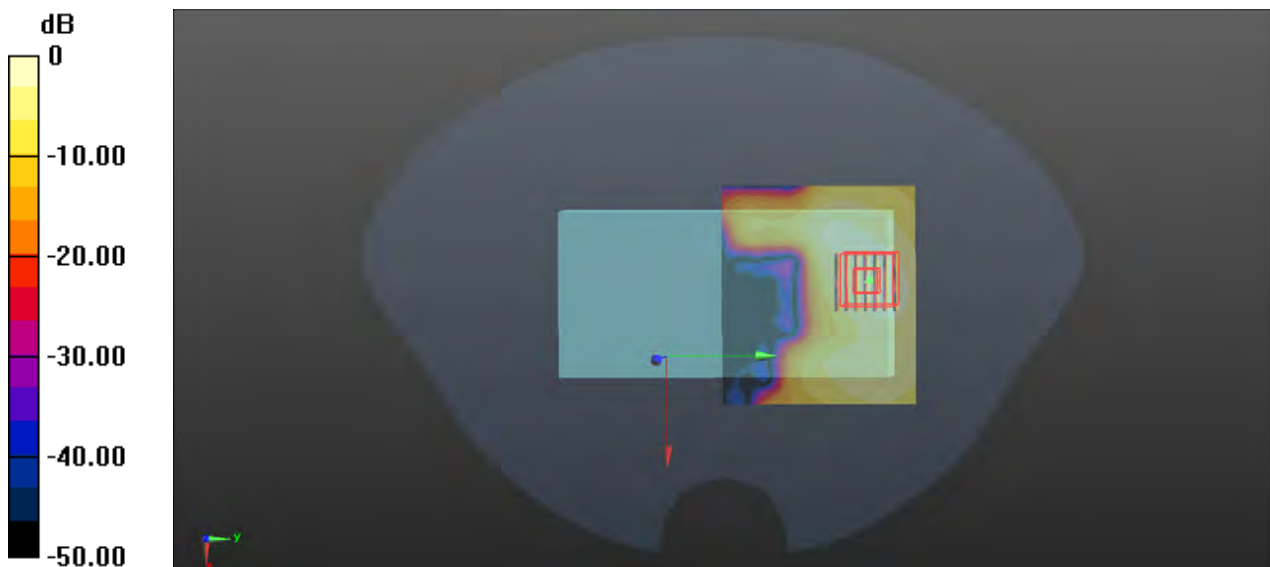
Ambient Temperature : 23.6°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5320 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x81x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.329 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.574 W/kg
SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.318 W/kg



0 dB = 0.318 W/kg

P34 WLAN5.6G_802.11a_Front Face_1cm_Ch116

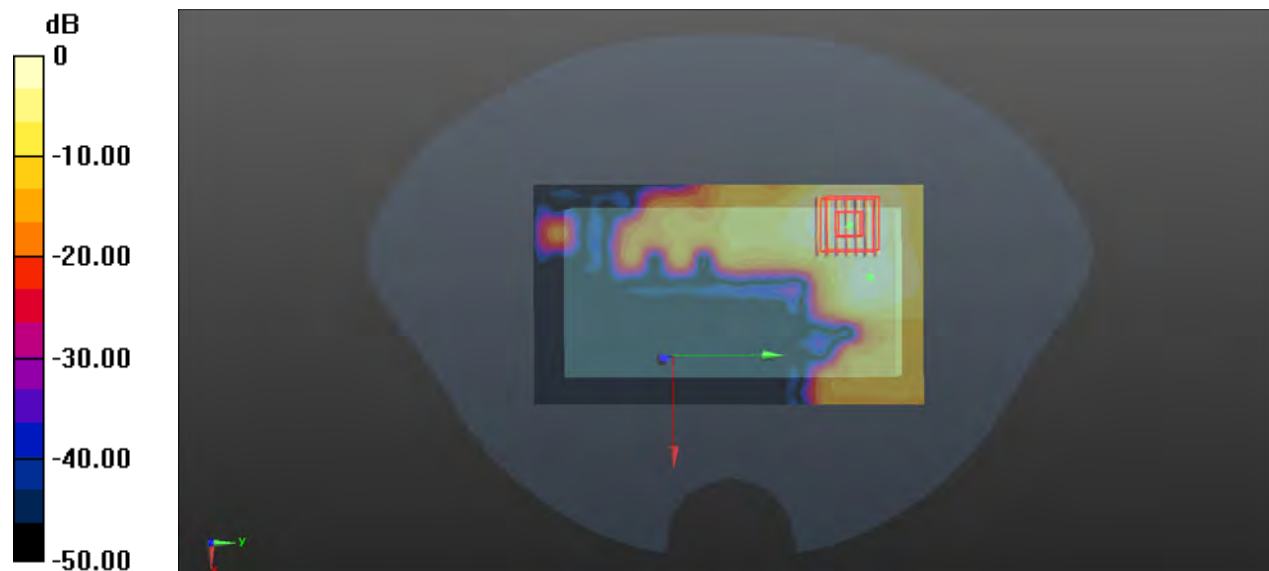
Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:102
Medium: HSL5G_1120 Medium parameters used: $f = 5580$ MHz; $\sigma = 5.1$ S/m; $\epsilon_r = 35.538$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.47, 4.47, 4.47) @ 5580 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.500 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.3580 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.937 W/kg
SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.503 W/kg

P35 WLAN5.8G_802.11a_Front Face_1cm_Ch149

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.02
Medium: HSL5G_1119 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.296$ S/m; $\epsilon_r = 35.227$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5745 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (91x161x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.376 W/kg

- **Zoom Scan (7x7x12)/Cube 0**: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.742 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.073 W/kg
Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg

P36 BT_DQPSK_Front Face_1cm_Ch0

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1.3
Medium: HSL2450_1112 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.737$ S/m; $\epsilon_r = 40.582$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2402 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x71x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.00361 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.3420 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.00400 W/kg
SAR(1 g) = 0.000988 W/kg; SAR(10 g) = 0.00029 W/kg
Maximum value of SAR (measured) = 0.00228 W/kg



0 dB = 0.00228 W/kg

P37 GSM850_GPRS 3Tx slot_Rear Face_1cm_Ch251

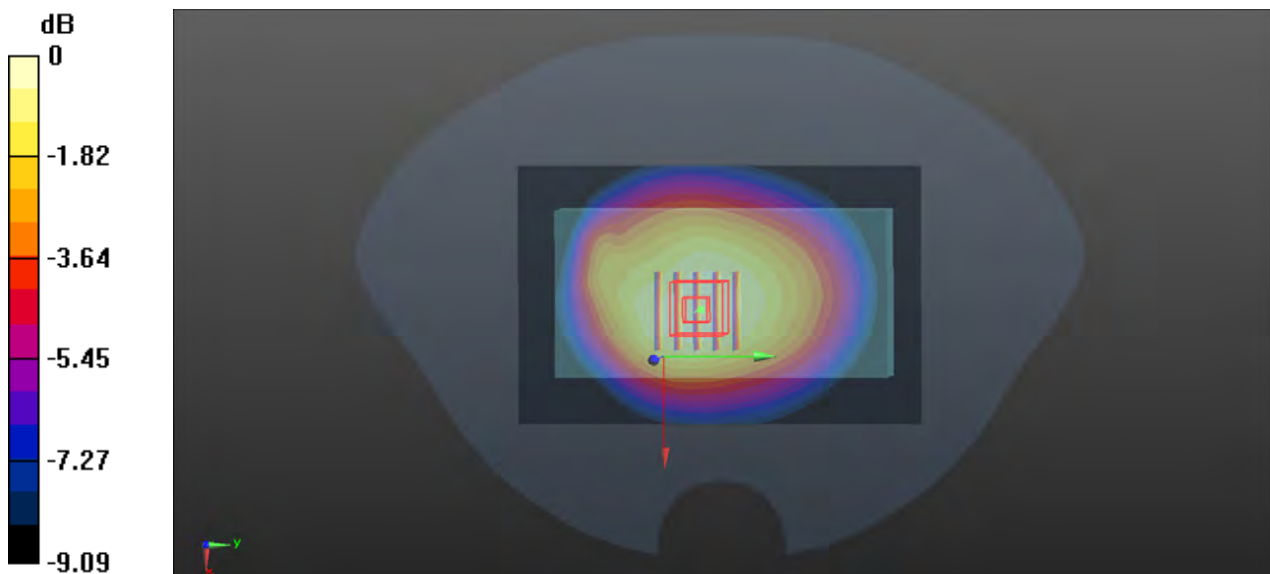
Communication System: GPRS 3Tx-slot; Frequency: 848.8 MHz; Duty Cycle: 1:2.77
 Medium: HSL835_1115 Medium parameters used: $f = 849$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 43.137$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 848.8 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
 Maximum value of SAR (interpolated) = 0.761 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 26.70 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.464 W/kg
 Maximum value of SAR (measured) = 0.749 W/kg



0 dB = 0.749 W/kg

P38 GSM1900_GPRS 3Tx slot_Front Face_1cm_Ch512

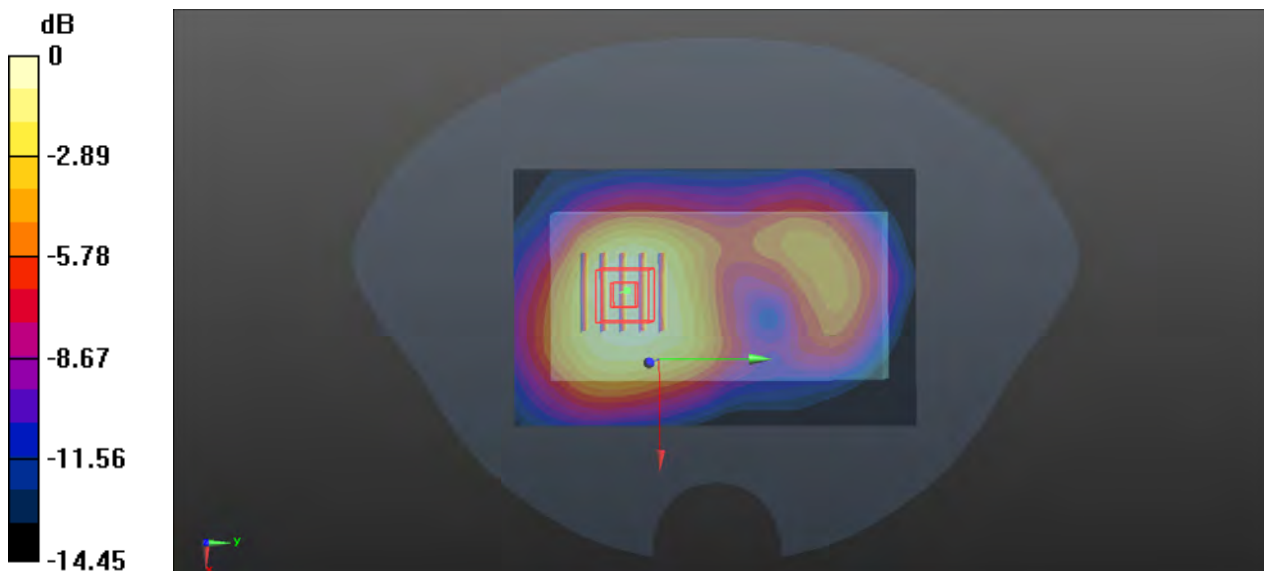
Communication System: GPRS 3Tx-slot; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77
Medium: HSL1900_1117 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 39.82$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1850.2 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.403 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.127 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.464 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 0.389 W/kg



P39 WCDMA II_RMC12.2K_Front Face_1cm_Ch9262

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: HSL1900_1117 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.387$ S/m; $\epsilon_r = 39.814$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1852.4 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.703 W/kg

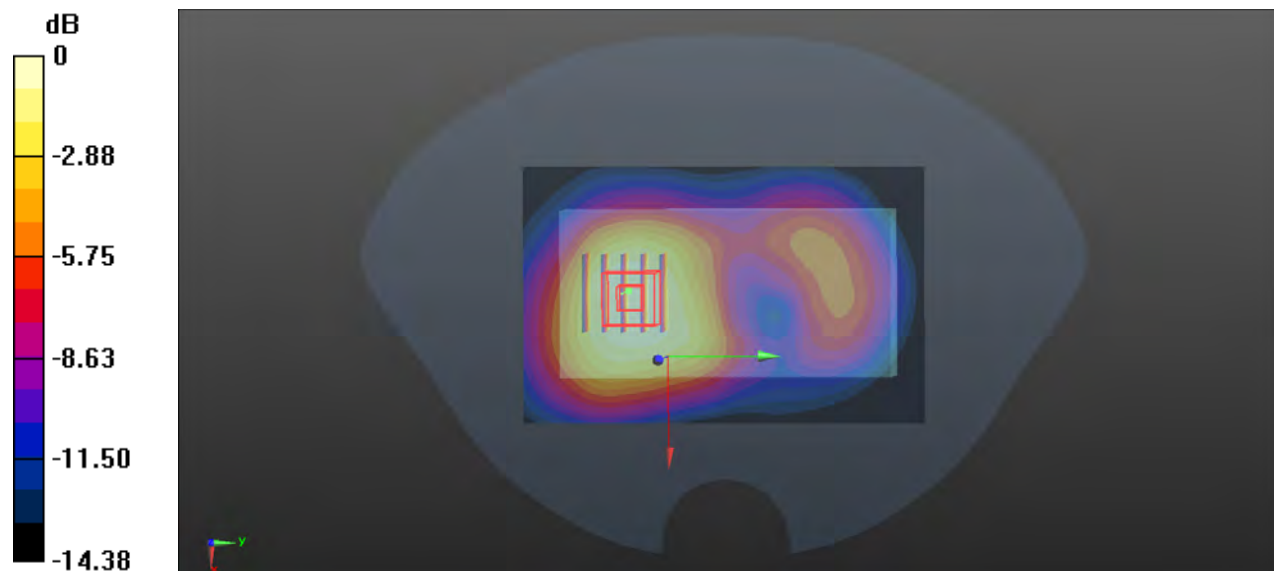
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.691 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg

P40 WCDMA IV_RMC12.2K_Front Face_1cm_Ch1513

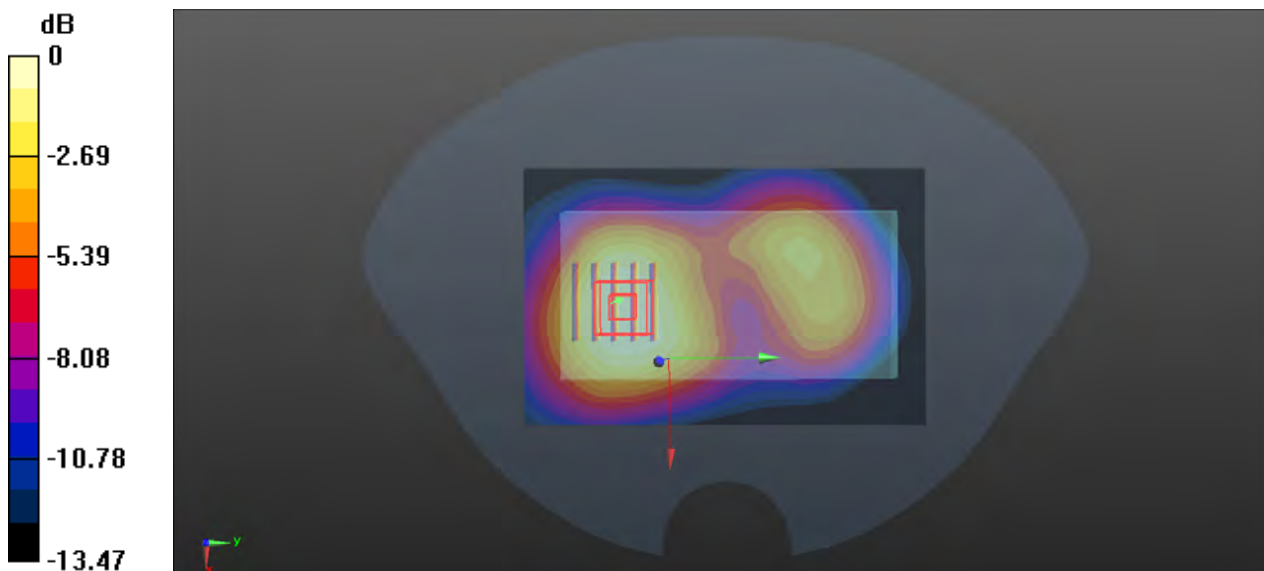
Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium: HSL1750_1116 Medium parameters used: $f = 1753$ MHz; $\sigma = 1.335$ S/m; $\epsilon_r = 39.838$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1752.6 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.637 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.070 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.758 W/kg
SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 0.634 W/kg



0 dB = 0.634 W/kg

P41 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132

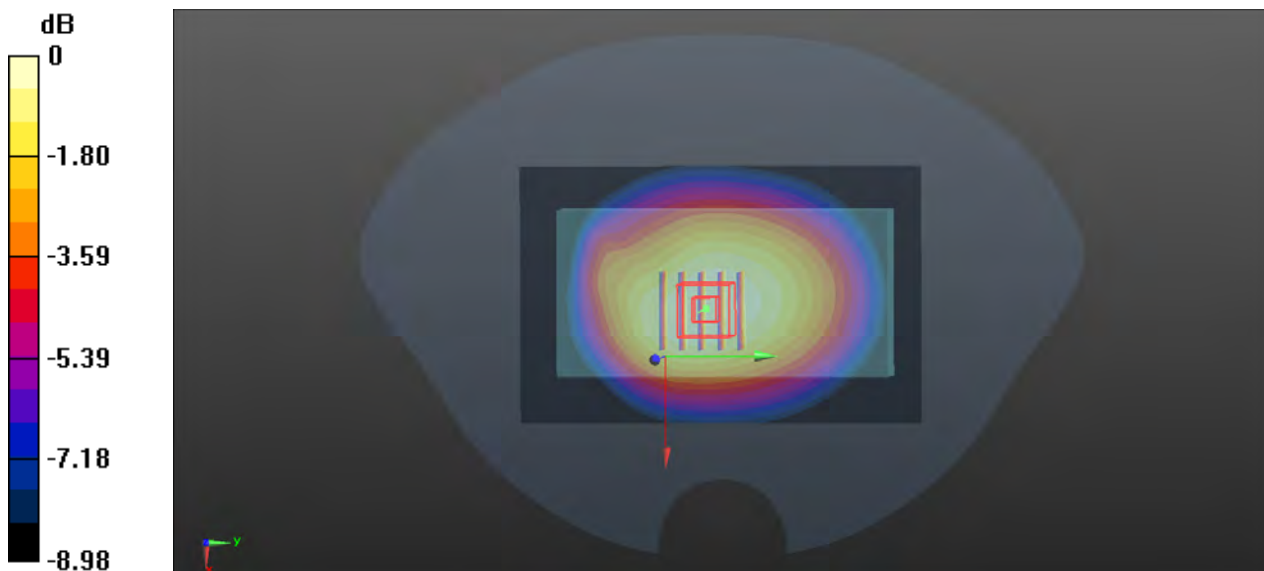
Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium: HSL835_1115 Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.919 \text{ S/m}$; $\epsilon_r = 43.209$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 826.4 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.645 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 24.53 V/m ; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.681 W/kg
SAR(1 g) = 0.517 W/kg ; SAR(10 g) = 0.383 W/kg
Maximum value of SAR (measured) = 0.609 W/kg



0 dB = 0.609 W/kg

P42 LTE 2_QPSK20M_Front Face_1cm_Ch19100_1RB_OS0

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL1900_1117 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.756$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.02, 8.02, 8.02) @ 1900 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.640 W/kg

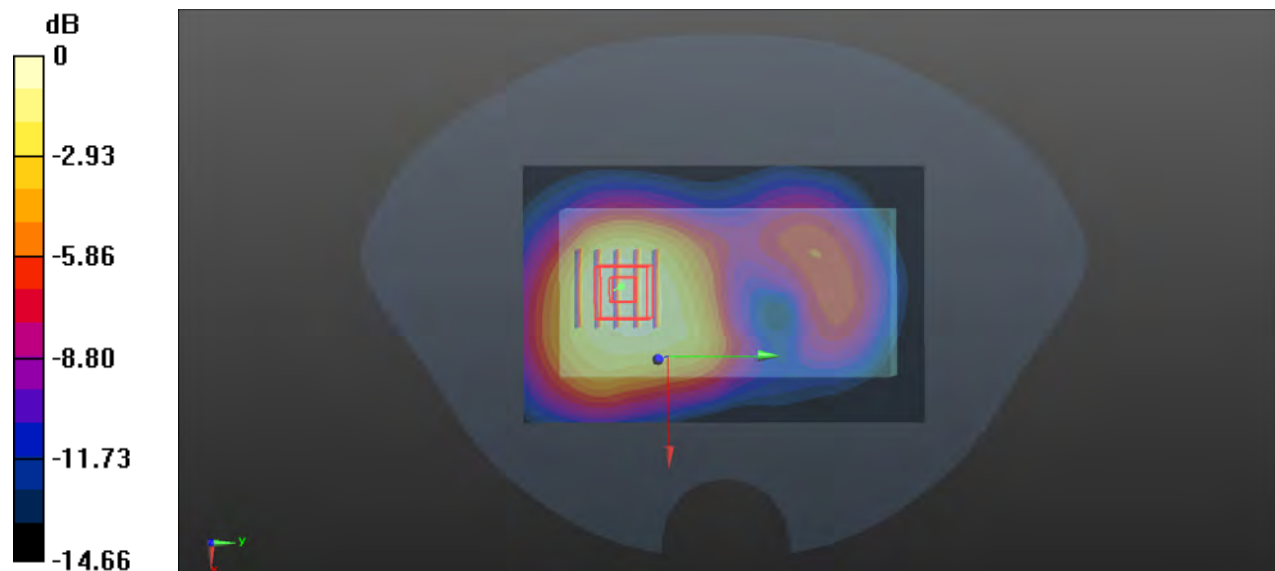
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.828 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.500 W/kg; SAR(10 g) = 0.318 W/kg

Maximum value of SAR (measured) = 0.639 W/kg



0 dB = 0.639 W/kg

P43 LTE 5_QPSK10M_Rear Face_1cm_Ch20450_1RB_OS49

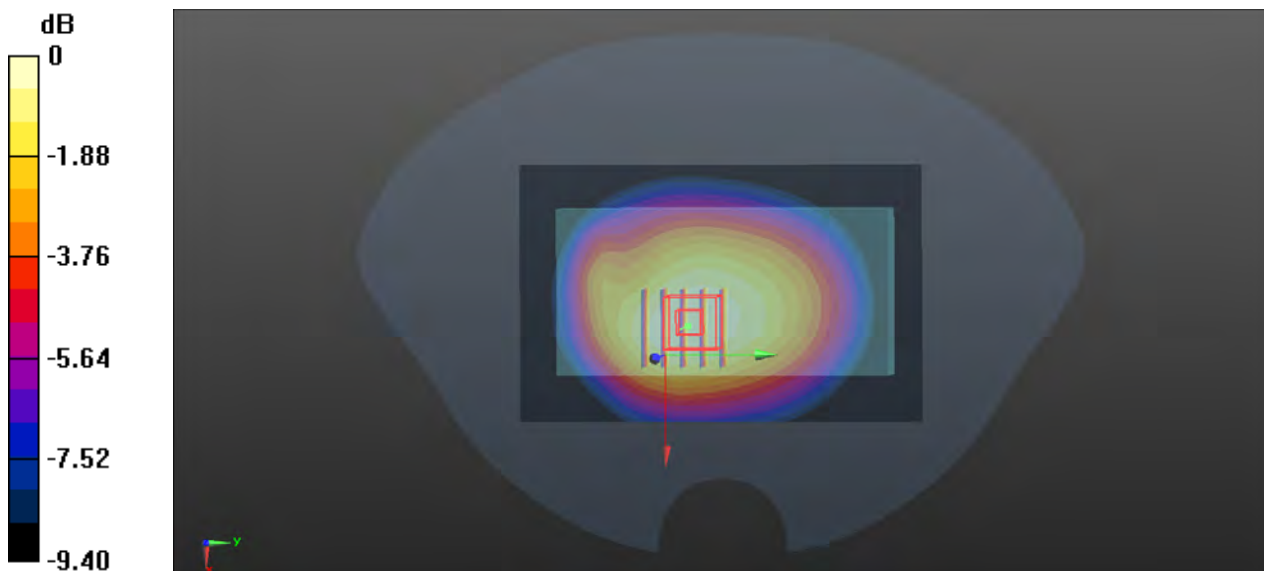
Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1
Medium: HSL835_1115 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 43.2$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.6°C ; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 829 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.544 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 21.77 V/m ; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.602 W/kg
SAR(1 g) = 0.462 W/kg ; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg

P44 LTE 7_QPSK20M_Front Face_1cm_Ch21350_1RB_OS0

Communication System: LTE; Frequency: 2560 MHz; Duty Cycle: 1:1
Medium: HSL2600_1118 Medium parameters used: $f = 2560$ MHz; $\sigma = 1.864$ S/m; $\epsilon_r = 39.204$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2560 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.645 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.811 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.864 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 0.654 W/kg



0 dB = 0.654 W/kg

P45 LTE 12_QPSK10M_Rear Face_1cm_Ch23130_1RB_OS0

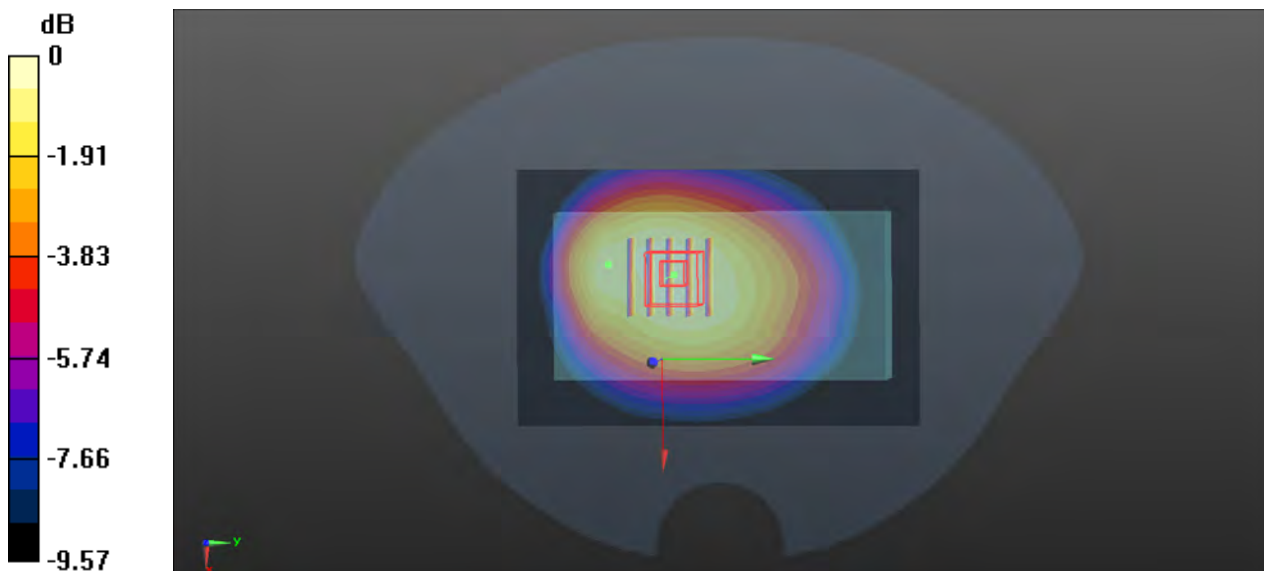
Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1
Medium: HSL750_1114 Medium parameters used: $f = 711$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 42.443$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.7°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 711 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.240 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.08 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.154 W/kg
Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.251 W/kg

P46 LTE 13_QPSK10M_Rear Face_1cm_Ch23230_1RB_OS49

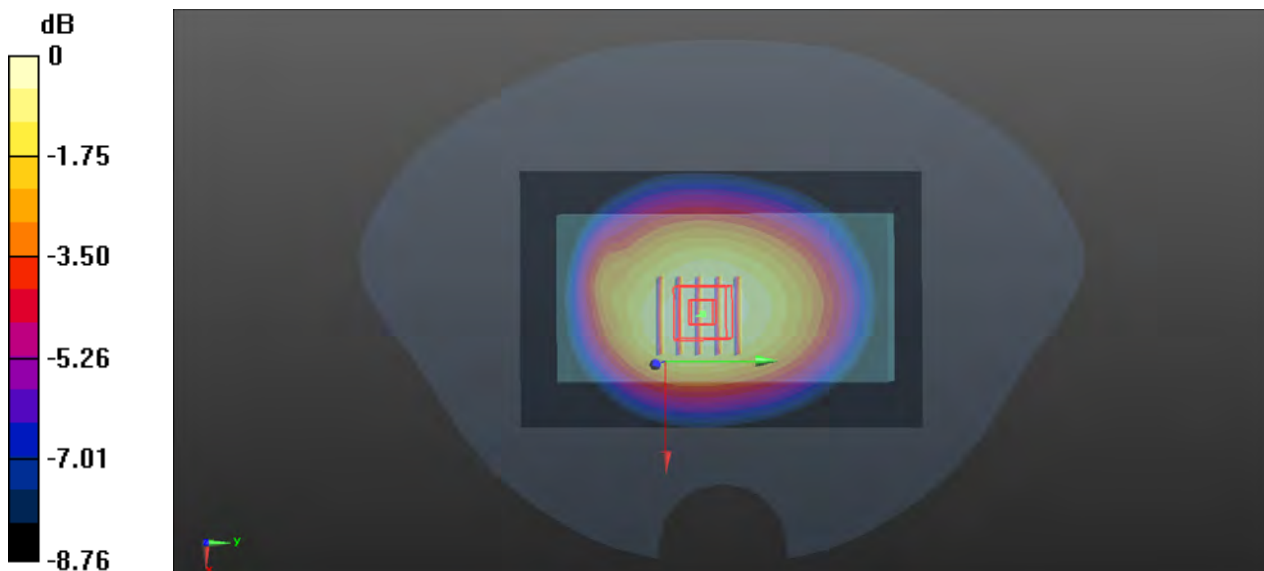
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: HSL750_1114 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 42.258$; $\rho = 1000 \text{ kg/m}^3$
Ambient Temperature : 23.7°C ; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.59, 9.59, 9.59) @ 782 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.310 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Reference Value = 17.29 V/m ; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.346 W/kg
SAR(1 g) = 0.267 W/kg ; SAR(10 g) = 0.197 W/kg
Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.312 W/kg

P47 LTE 26_QPSK15M_Rear Face_1cm_Ch26965_1RB_OS37

Communication System: LTE; Frequency: 841.5 MHz; Duty Cycle: 1:1

Medium: HSL835_1115 Medium parameters used: $f = 841.5$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 43.156$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6°C; Liquid Temperature : 22.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(9.4, 9.4, 9.4) @ 841.5 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.608 W/kg

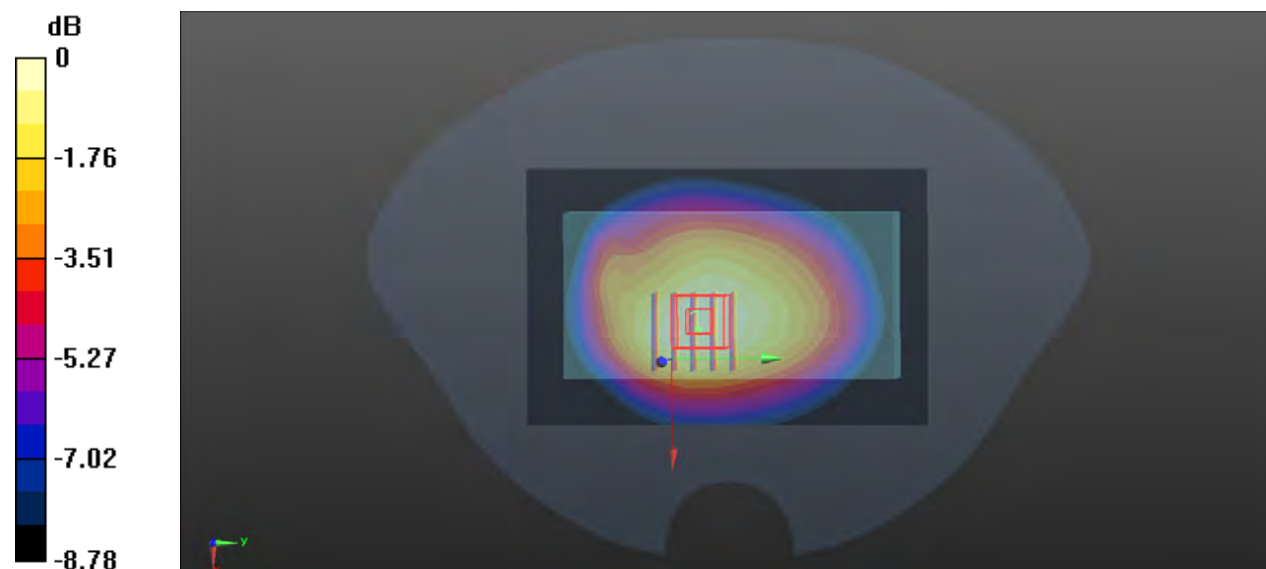
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.03 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.684 W/kg

SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.375 W/kg

Maximum value of SAR (measured) = 0.602 W/kg



P48 LTE 41_QPSK20M_Rear Face_1cm_Ch41490_1RB_OS50

Communication System: LTE TDD; Frequency: 2680 MHz; Duty Cycle: 1:1.59
Medium: HSL2600_1118 Medium parameters used: $f = 2680$ MHz; $\sigma = 1.956$ S/m; $\epsilon_r = 39.005$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5°C; Liquid Temperature : 22.4°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.47, 7.47, 7.47) @ 2680 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.448 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.800 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.154 W/kg
Maximum value of SAR (measured) = 0.431 W/kg



0 dB = 0.431 W/kg

P49 LTE 66_QPSK20M_Front Face_1cm_Ch132572_1RB_OS0

Communication System: LTE; Frequency: 1770 MHz; Duty Cycle: 1:1
Medium: HSL1750_1116 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.346$ S/m; $\epsilon_r = 39.812$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.5°C; Liquid Temperature : 22.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(8.25, 8.25, 8.25) @ 1770 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.796 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.32 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.931 W/kg
SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.403 W/kg
Maximum value of SAR (measured) = 0.788 W/kg



0 dB = 0.788 W/kg

P50 WLAN2.4G_802.11b_Top Side_1cm_Ch11

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL2450_1112 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.816$ S/m; $\epsilon_r = 40.36$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2462 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.151 W/kg

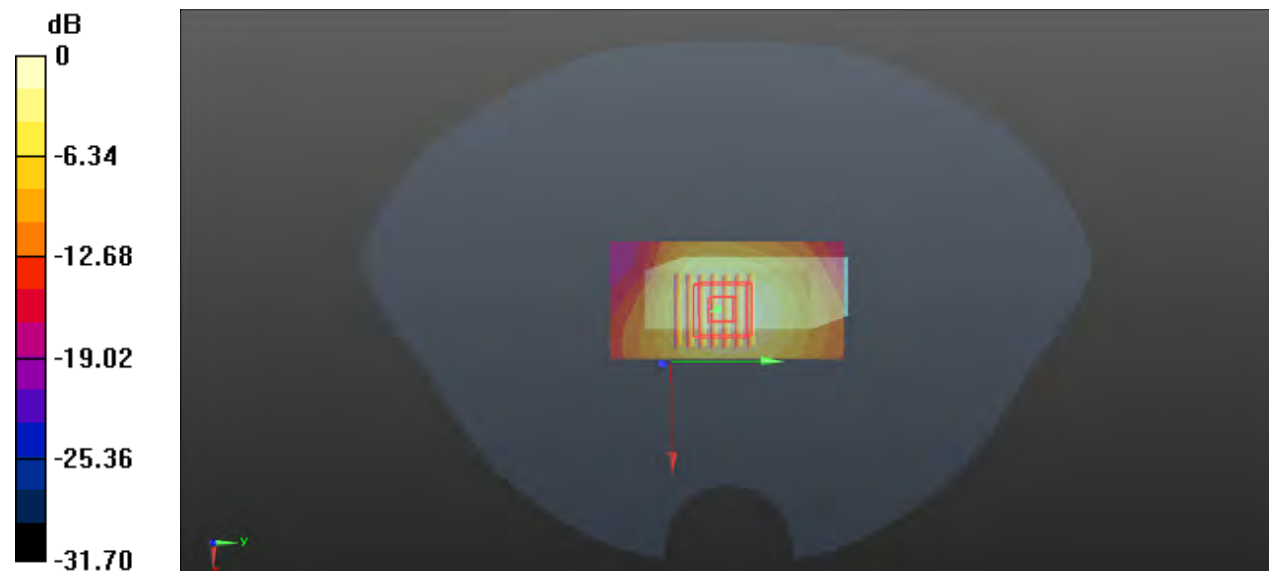
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.758 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.189 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.147 W/kg

P51 WLAN5.2G_802.11a_Top Side_1cm_Ch48

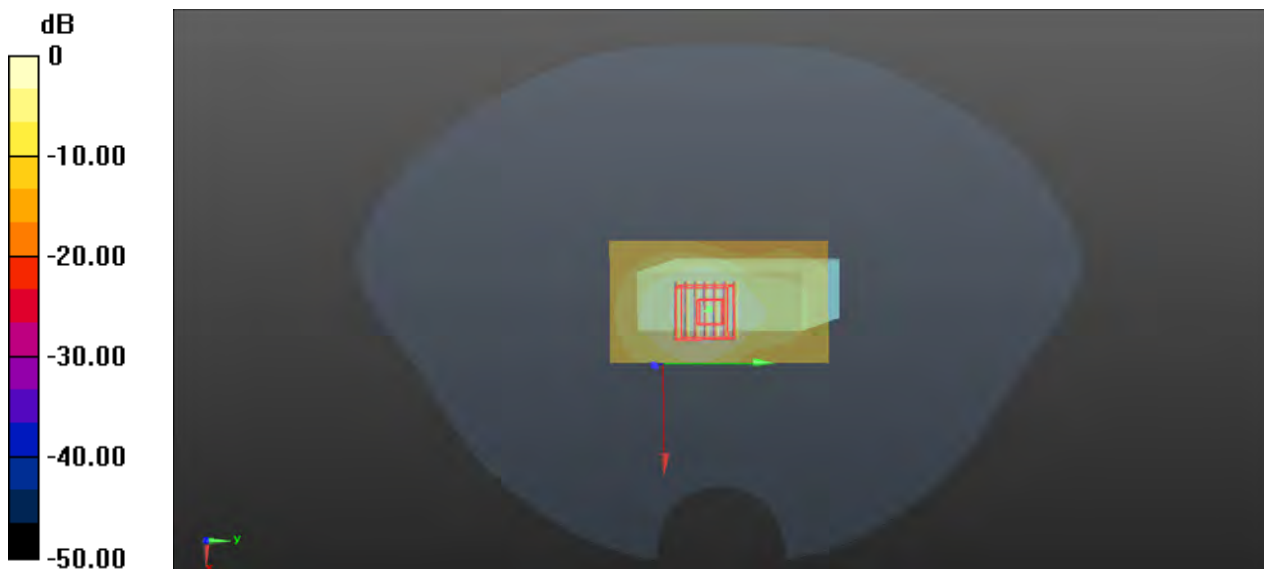
Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1.02
Medium: HSL5G_1119 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.69$ S/m; $\epsilon_r = 36.139$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6°C; Liquid Temperature : 22.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.75, 4.75, 4.75) @ 5240 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.678 W/kg

- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.977 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.144 W/kg
Maximum value of SAR (measured) = 0.685 W/kg



0 dB = 0.685 W/kg

P52 WLAN5.8G_802.11a_Top Side_1cm_Ch149

Communication System: 802.11a; Frequency: 5745 MHz; Duty Cycle: 1:1.02

Medium: HSL5G_1119 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.296$ S/m; $\epsilon_r = 35.227$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2°C; Liquid Temperature : 22.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(4.48, 4.48, 4.48) @ 5745 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (51x91x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.400 W/kg

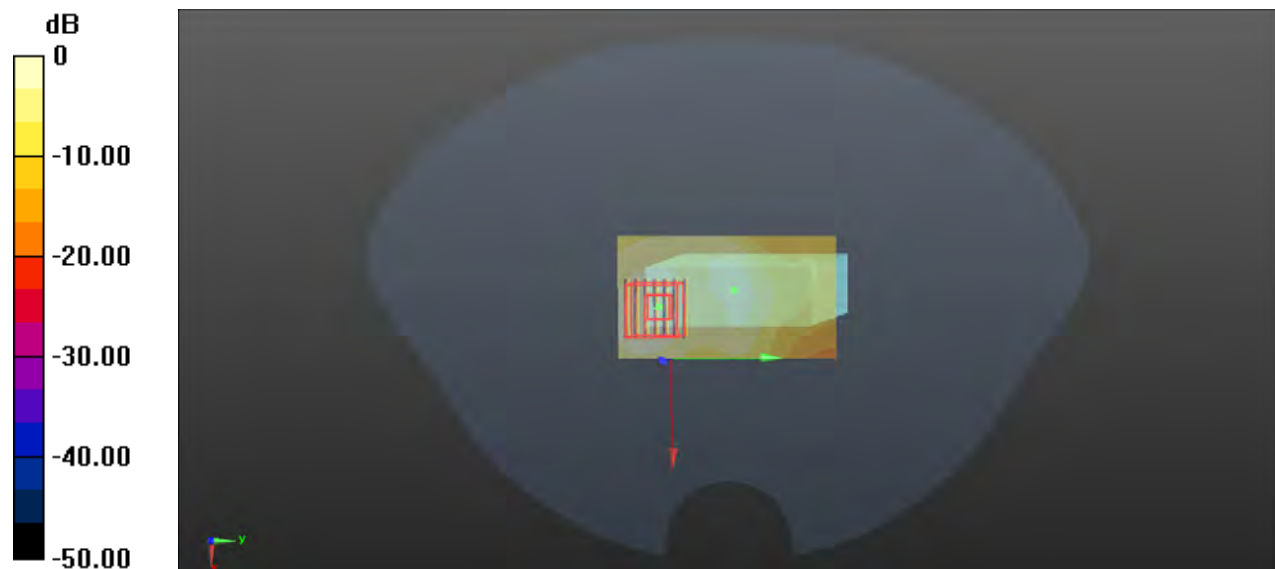
- **Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.395 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg

P53 BT_DQPSK_Top Side_1cm_Ch39

Communication System: BT; Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium: HSL2450_1112 Medium parameters used: $f = 2441$ MHz; $\sigma = 1.787$ S/m; $\epsilon_r = 40.399$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3°C; Liquid Temperature : 22.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3873; ConvF(7.59, 7.59, 7.59) @ 2441 MHz; Calibrated: 2022/8/31
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1389; Calibrated: 2022/11/9
- Phantom: SAM (30deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: TP:1781
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.00299 W/kg

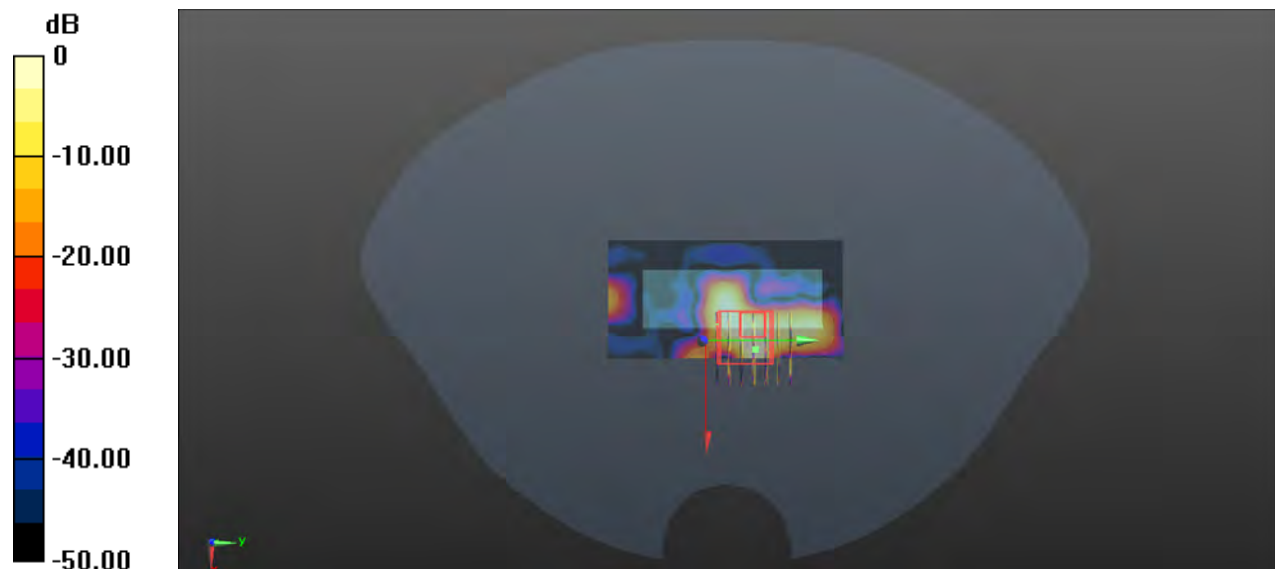
- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.108 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.00546 W/kg

SAR(1 g) = 0.00115 W/kg; SAR(10 g) = 0.000192 W/kg

Maximum value of SAR (measured) = 0.00289 W/kg



0 dB = 0.00289 W/kg



Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.



In Collaboration with
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 CALIBRATION LABORATORY



中国认可
 国际互认
 校准
 CALIBRATION
 CNAS L0570

Add: No.52 HuanYuanBei Road, Haidian District, Beijing, 100191, C
 Tel: +86-10-62304633-2079 Fax: +86-10-62304633-2504
 E-mail: cttl@chinattl.com http://www.chinattl.cn

Client

B.V.ADT

Certificate No: **Z21-60332**

CALIBRATION CERTIFICATE

Object **D750V3 - SN: 1067**

Calibration Procedure(s) **FF-Z11-003-01**
Calibration Procedures for dipole validation kits

Calibration date: **September 16, 2021**

This calibration Certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22±3)°C and humidity<70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Power Meter NRP2	106277	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Power sensor NRP8S	104291	23-Sep-20 (CTTL, No.J20X08336)	Sep-21
Reference Probe EX3DV4	SN 7517	03-Feb-21(CTTL-SPEAG,No.Z21-60001)	Feb-22
DAE4	SN 1556	15-Jan-21(SPEAG,No.DAE4-1556_Jan21)	Jan-22
Secondary Standards	ID #	Cal Date (Calibrated by, Certificate No.)	Scheduled Calibration
Signal Generator E4438C	MY49071430	01-Feb-21 (CTTL, No.J21X00593)	Jan-22
NetworkAnalyzer E5071C	MY46110673	14-Jan-21 (CTTL, No.J21X00232)	Jan-22

	Name	Function	Signature
Calibrated by:	Zhao Jing	SAR Test Engineer	
Reviewed by:	Lin Hao	SAR Test Engineer	
Approved by:	Qi Dianyuan	SAR Project Leader	

Issued: September 21, 2021

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.



Add: No.52 HuanYuanBei Road, Haidian District, Beijing, 100191, China
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E-mail: cttl@chinattl.com http://www.chinattl.cn

Glossary:

TSL	tissue simulating liquid
ConvF	sensitivity in TSL / NORM _{x,y,z}
N/A	not applicable or not measured

Calibration is Performed According to the Following Standards:

- IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- IEC 62209-1, "Measurement procedure for assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices- Part 1: Device used next to the ear (Frequency range of 300MHz to 6GHz)", July 2016
- IEC 62209-2, "Procedure to measure the Specific Absorption Rate (SAR) For wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz)", March 2010
- KDB865664, SAR Measurement Requirements for 100 MHz to 6 GHz

Additional Documentation:

- DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured:** SAR measured at the stated antenna input power.
- SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The reported uncertainty of measurement is stated as the standard uncertainty of Measurement multiplied by the coverage factor $k=2$, which for a normal distribution Corresponds to a coverage probability of approximately 95%.