

Measurement Report for Device, Touch, GSM 850, UID 10028 DAC, Channel 190 (836.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Right Head, HSL	Touch, 0.00	GSM 850	GSM, 10028-DAC	836.6, 190	10.3	0.933	41.9

Hardware Setup

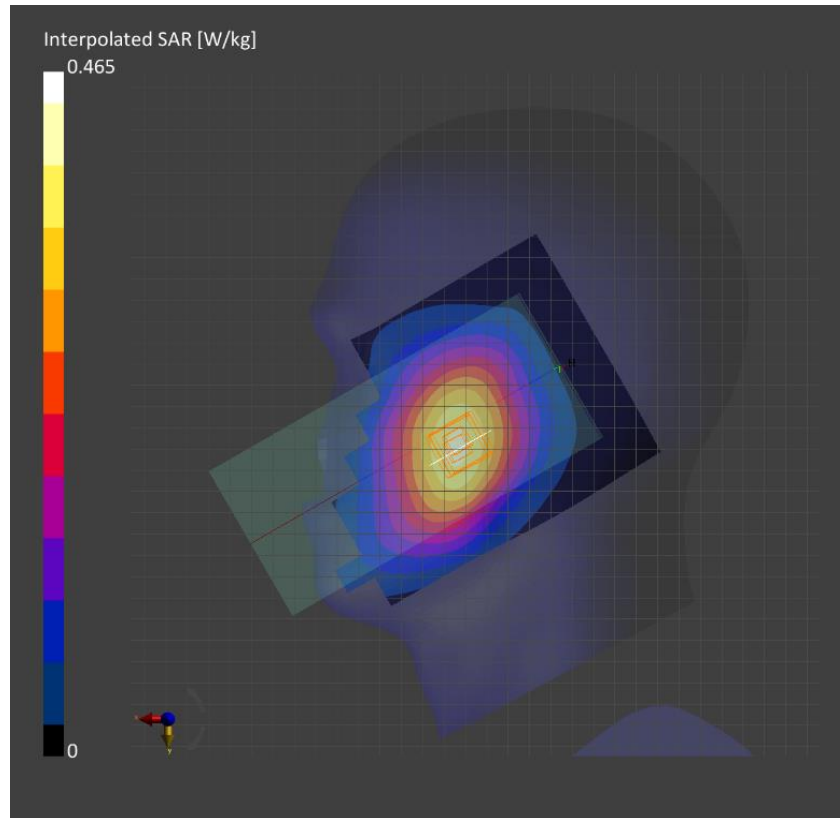
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-22	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/kg]	0.350	0.381
psSAR10g [W/kg]	0.243	0.304
Power Drift [dB]		-0.03



Measurement Report for Device, Rear, GSM 850, UID 10028 DAC, Channel 190 (836.6MHz)

Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 15.00	GSM 850	GSM, 10028-DAC	836.6, 190	10.3	0.933	41.9

Hardware Setup

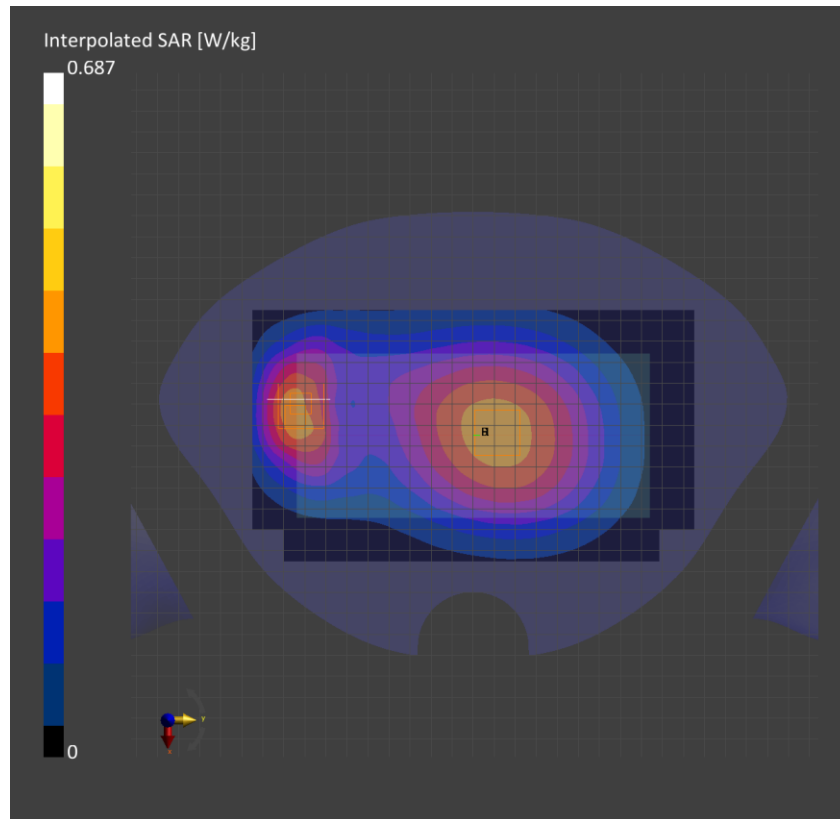
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-22	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/kg]	0.388	0.409
psSAR10g [W/kg]	0.272	0.250
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, GSM 850, UID 10028 DAC, Channel 190 (836.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 10.00	GSM 850	GSM, 10028-DAC	836.6, 190	10.3	0.933	41.9

Hardware Setup

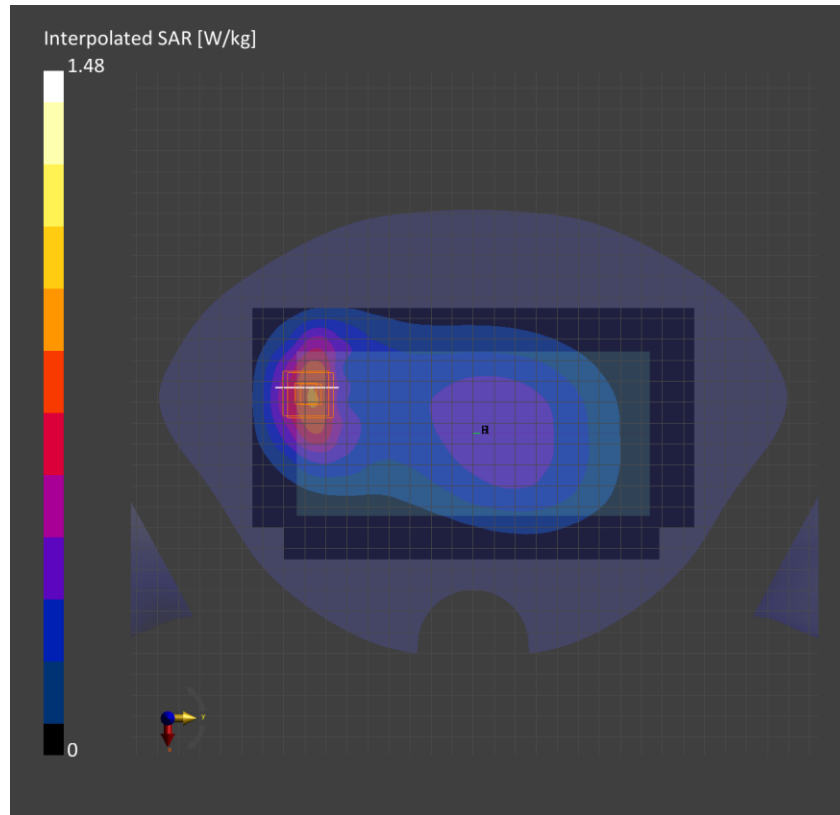
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-22	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/kg]	0.760	0.796
psSAR10g [W/kg]	0.492	0.459
Power Drift [dB]		-0.02



Measurement Report for Device, Touch, PCS 1900, UID 10024 DAC, Channel 661 (1880.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head, HSL	Touch, 0.00	PCS 1900	GSM, 10024-DAC	1880.0, 661	8.57	1.43	41.0

Hardware Setup

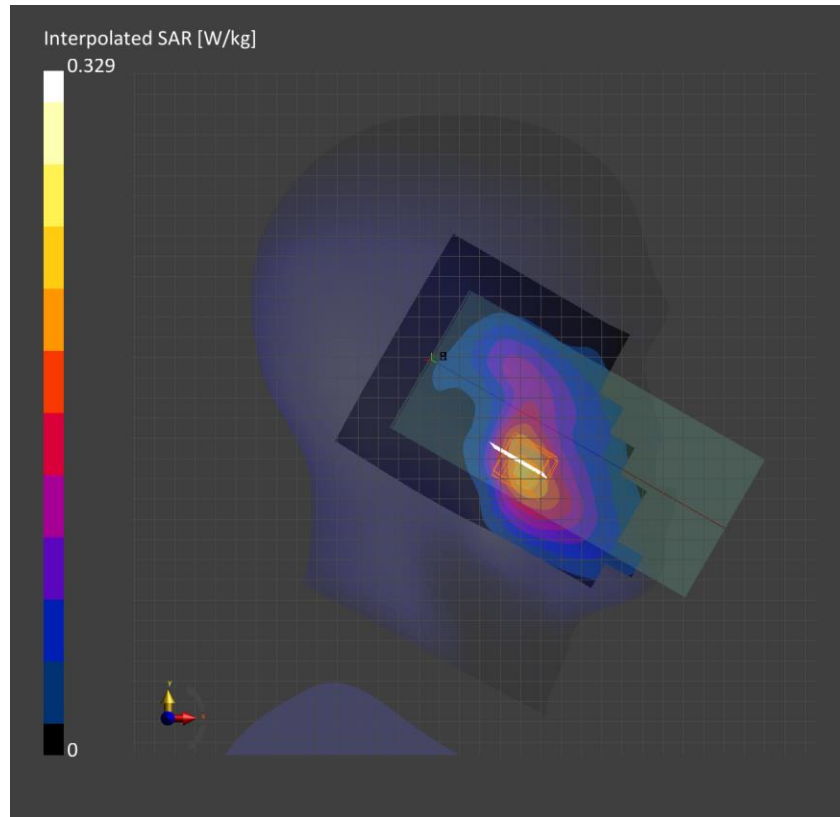
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/kg]	0.198	0.223
psSAR10g [W/kg]	0.115	0.143
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, PCS 1900, UID 10024 DAC, Channel 661 (1880.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 15.00	PCS 1900	GSM, 10024-DAC	1880.0, 661	8.57	1.43	41.0

Hardware Setup

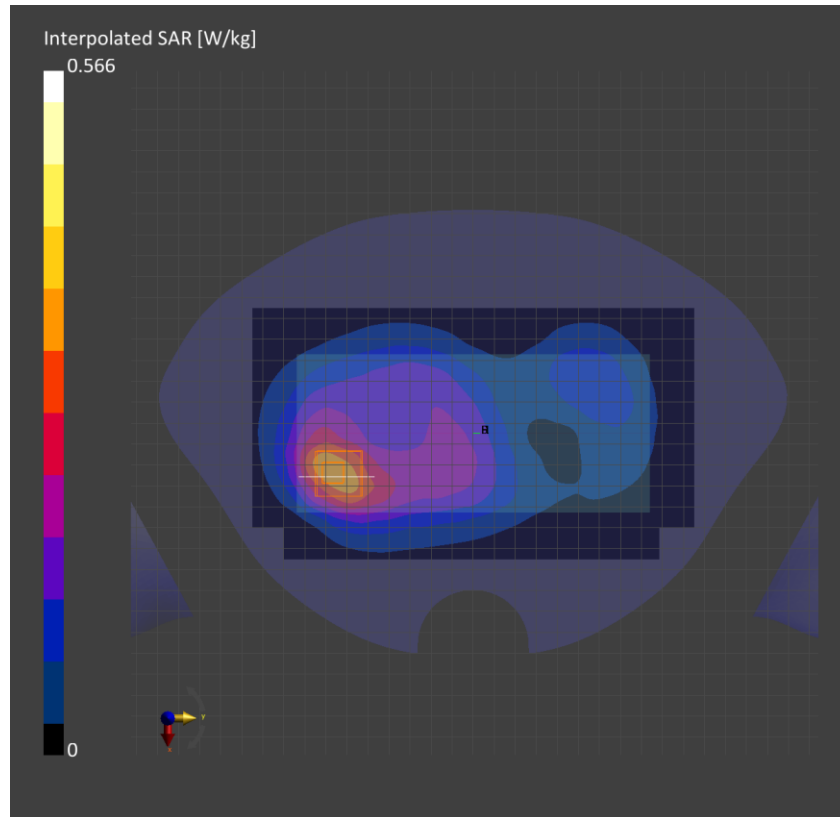
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/kg]	0.306	0.318
psSAR10g [W/kg]	0.184	0.186
Power Drift [dB]		0.01



Measurement Report for Device, Rear, PCS 1900, UID 10024 DAC, Channel 810 (1909.8MHz)
Device under Test Properties

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 10.00	PCS 1900	GSM, 10024-DAC	1909.8, 810	8.57	1.43	40.9

Hardware Setup

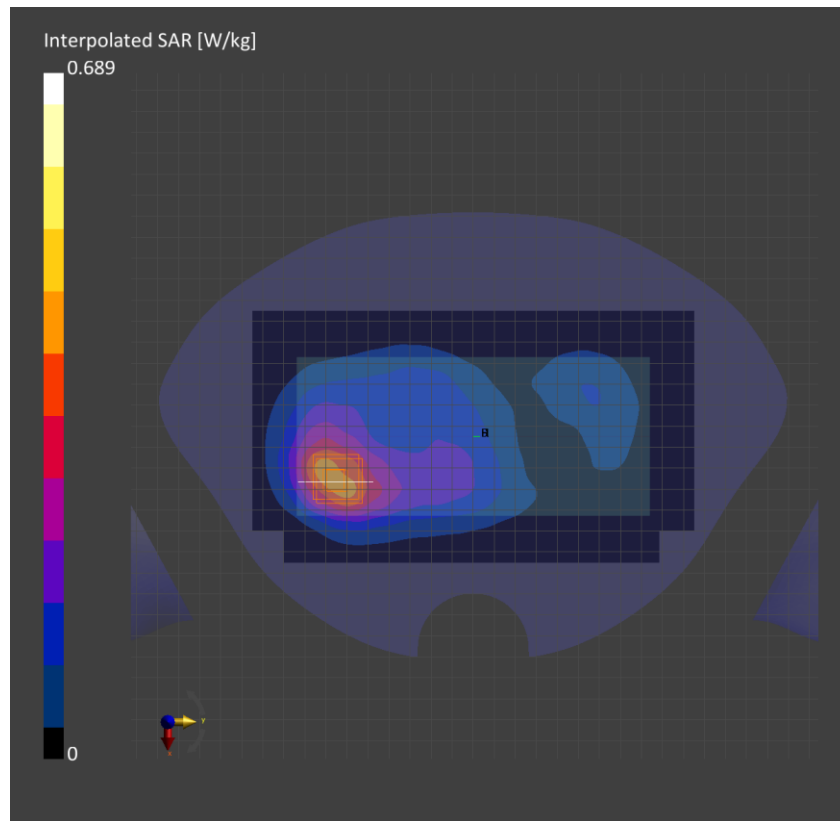
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-22	2022-12-22
psSAR1g [W/kg]	0.367	0.380
psSAR10g [W/kg]	0.219	0.219
Power Drift [dB]		-0.02



Measurement Report for Device, Touch, Band 5, UTRA/FDD, UID 10011 CAB, Channel 4183 (836.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Right Head, HSL	Touch, 0.00	Band 5, UTRA/FDD	WCDMA, 10011-CAB	836.6, 4183	10.3	0.933	41.9

Hardware Setup

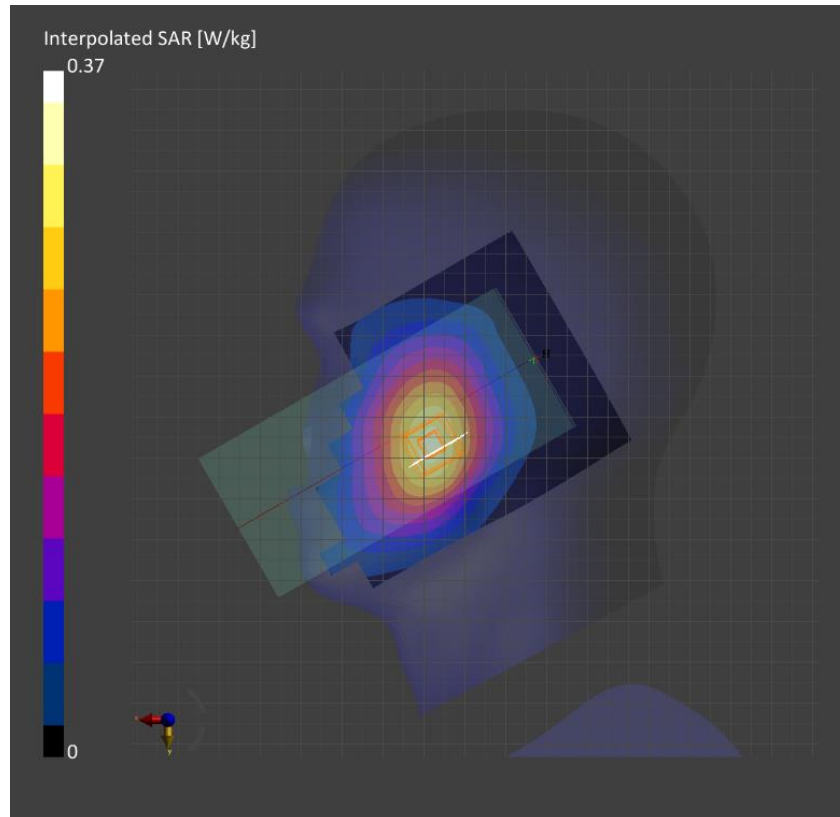
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-21	2022-12-21
psSAR1g [W/kg]	0.281	0.294
psSAR10g [W/kg]	0.193	0.226
Power Drift [dB]		-0.00



Measurement Report for Device, Rear, Band 5, UTRA/FDD, UID 10011 CAB, Channel 4183 (836.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 15.00	Band 5, UTRA/FDD	WCDMA, 10011-CAB	836.6, 4183	10.3	0.933	41.9

Hardware Setup

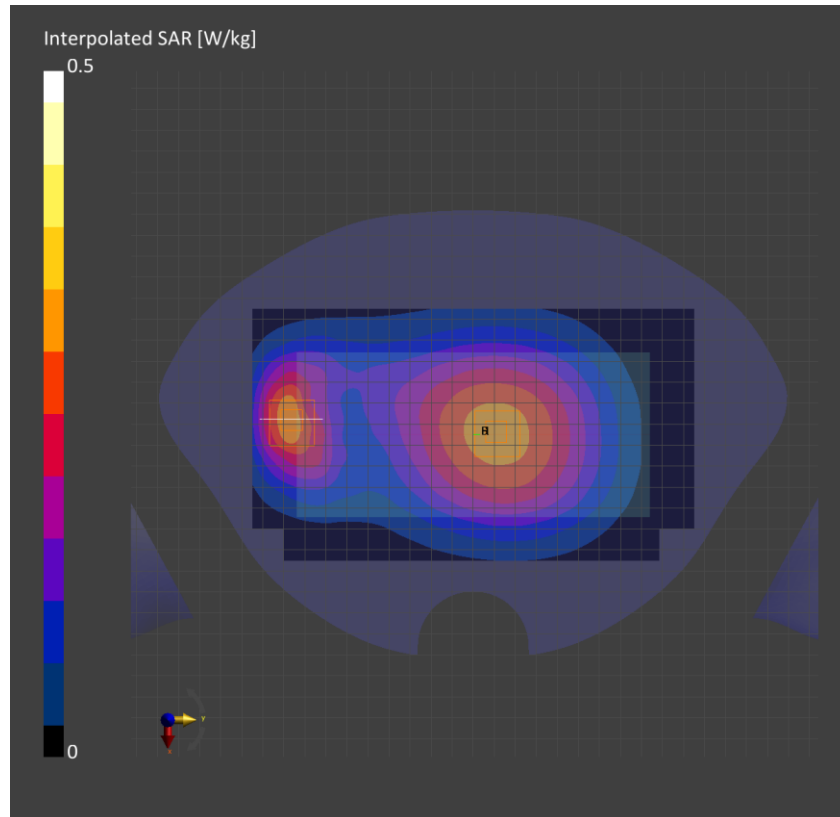
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-21	2022-12-21
psSAR1g [W/kg]	0.278	0.283
psSAR10g [W/kg]	0.196	0.172
Power Drift [dB]		0.02



Measurement Report for Device, Rear, Band 5, UTRA/FDD, UID 10011 CAB, Channel 4183 (836.6MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 10.00	Band 5, UTRA/FDD	WCDMA, 10011-CAB	836.6, 4183	10.3	0.933	41.9

Hardware Setup

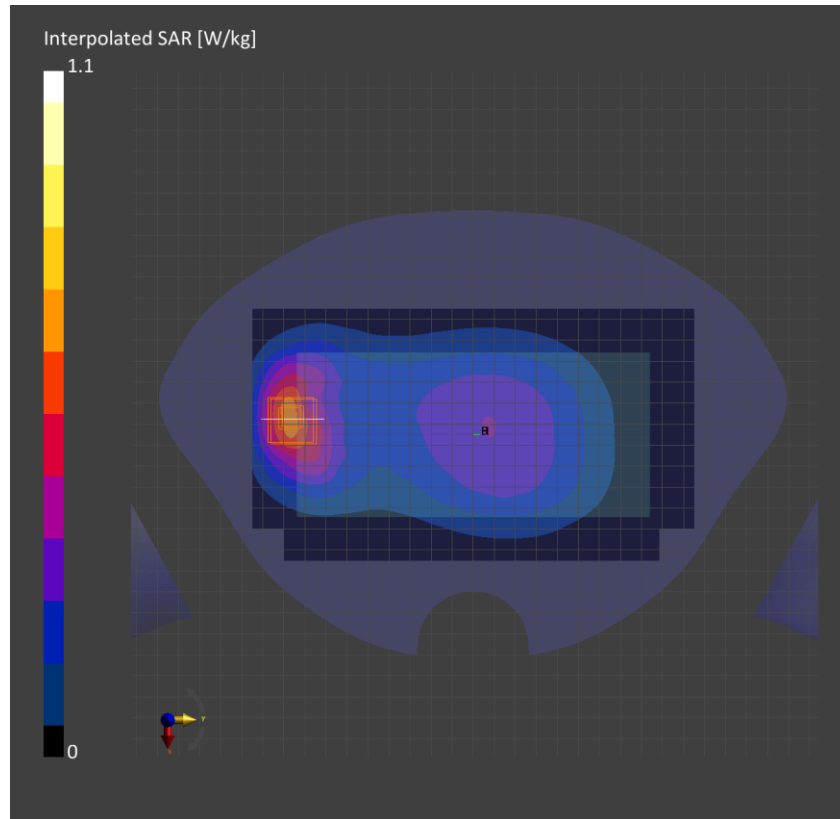
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-21	2022-12-21
psSAR1g [W/kg]	0.579	0.606
psSAR10g [W/kg]	0.372	0.351
Power Drift [dB]		0.02



Measurement Report for Device, Touch, Band 5, E-UTRA/FDD, UID 10175 CAG, Channel 20525 (836.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Right Head, HSL	Touch, 0.00	Band 5, E-UTRA/FDD	LTE-FDD, 10175-CAG	836.5, 20525	10.3	0.933	41.9

Hardware Setup

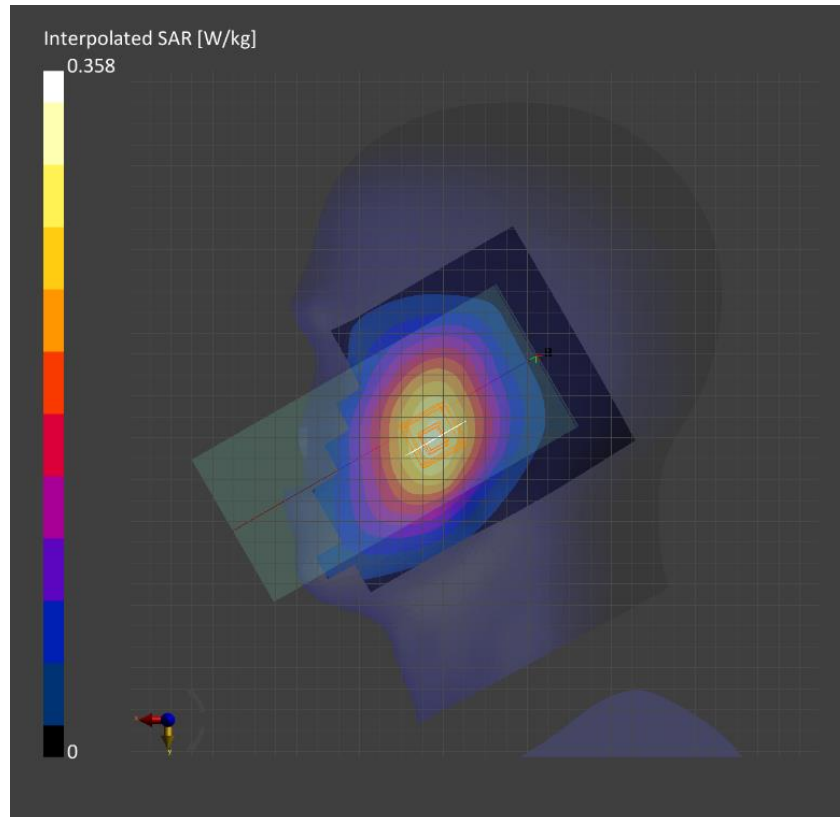
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-21	2022-12-21
psSAR1g [W/kg]	0.270	0.288
psSAR10g [W/kg]	0.187	0.226
Power Drift [dB]		-0.02



Measurement Report for Device, Rear, Band 5, E-UTRA/FDD, UID 10175 CAG, Channel 20525 (836.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 15.00	Band 5, E-UTRA/FDD	LTE-FDD, 10175-CAG	836.5, 20525	10.3	0.933	41.9

Hardware Setup

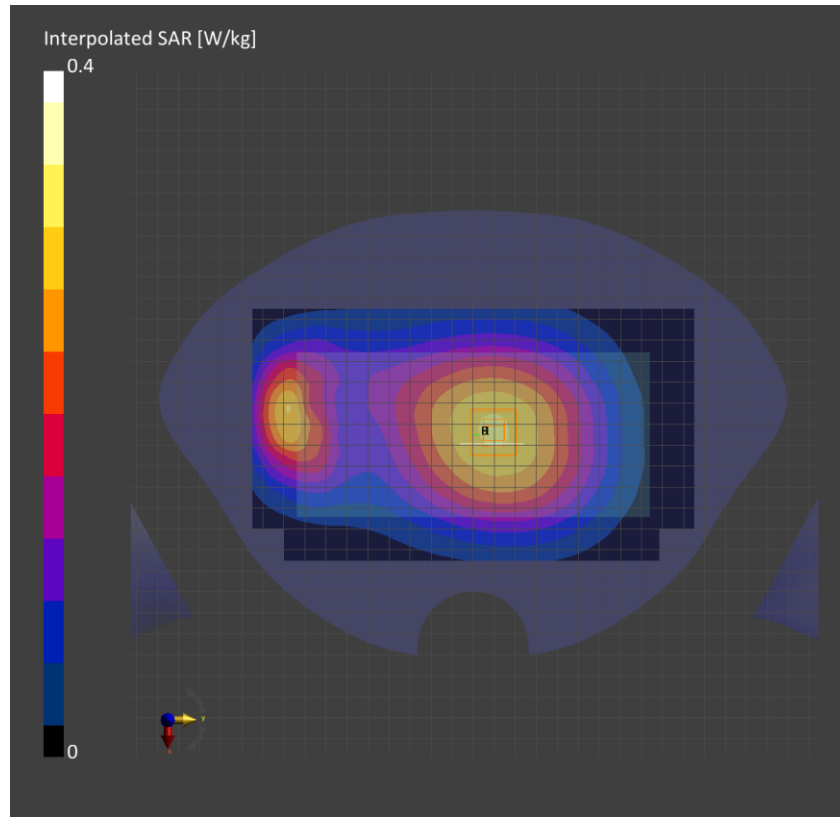
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-21	2022-12-21
psSAR1g [W/kg]	0.270	0.285
psSAR10g [W/kg]	0.191	0.218
Power Drift [dB]		0.02



Measurement Report for Device, Rear, Band 5, E-UTRA/FDD, UID 10175 CAG, Channel 20525 (836.5MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 10.00	Band 5, E-UTRA/FDD	LTE-FDD, 10175-CAG	836.5, 20525	10.3	0.933	41.9

Hardware Setup

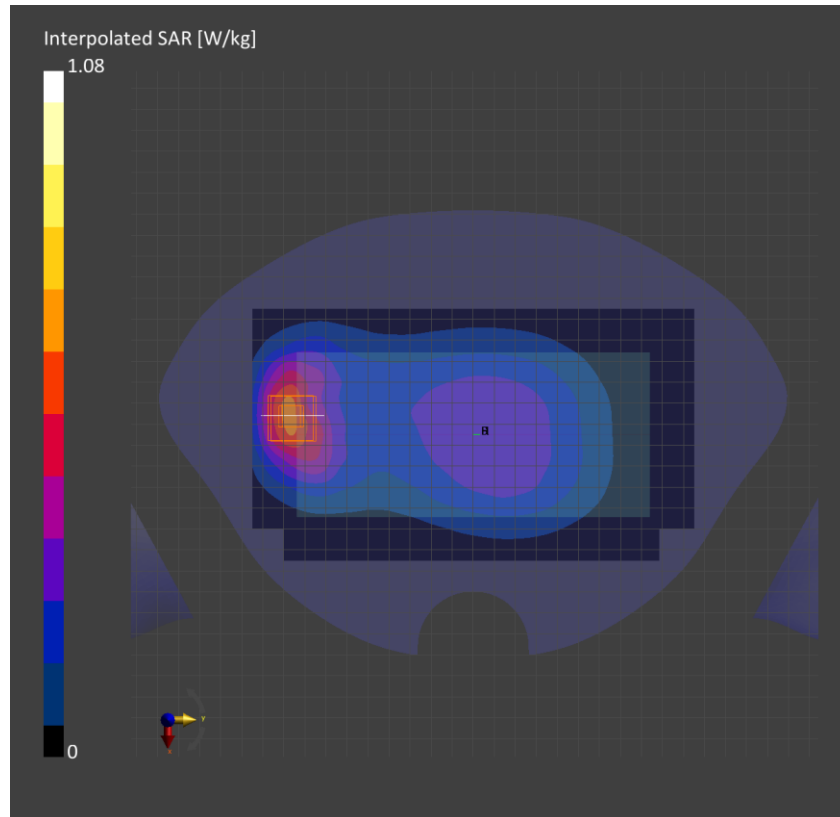
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-21	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-21	2022-12-21
psSAR1g [W/kg]	0.566	0.595
psSAR10g [W/kg]	0.364	0.346
Power Drift [dB]		0.00



Measurement Report for Device, Touch, Band 41, E-UTRA/TDD, UID 10172 CAG, Channel 40620 (2593.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Left Head, HSL	Touch, 0.00	Band 41, E-UTRA/TDD	LTE-TDD, 10172-CAG	2593.0, 40620	8.16	1.88	40.5

Hardware Setup

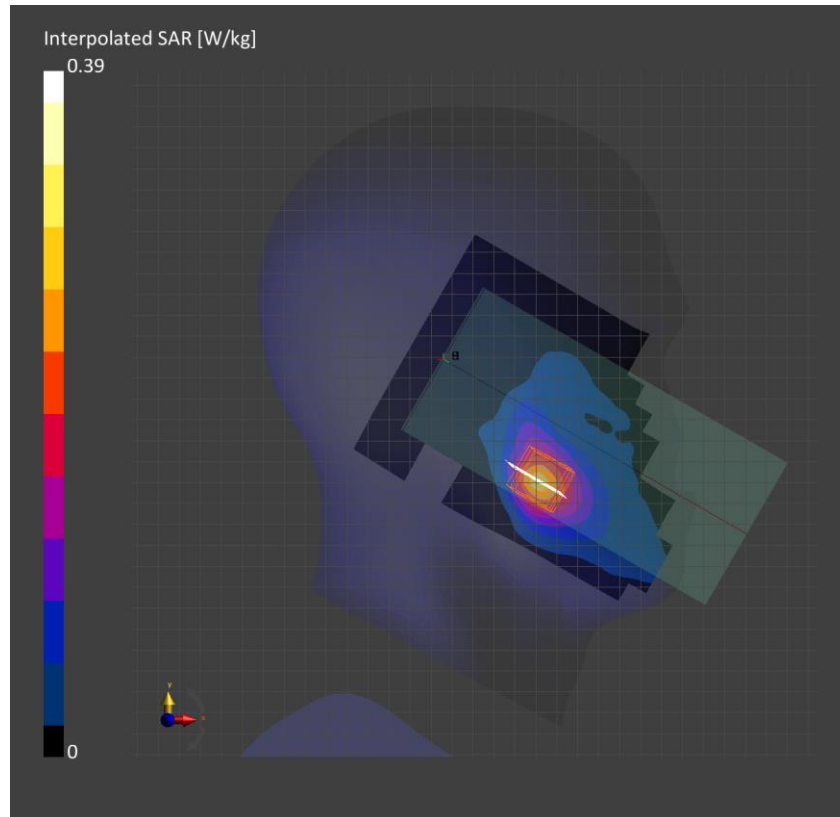
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-26	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-26	2022-12-26
psSAR1g [W/kg]	0.218	0.227
psSAR10g [W/kg]	0.111	0.119
Power Drift [dB]		-0.00



Measurement Report for Device, Rear, Band 41, E-UTRA/TDD, UID 10172 CAG, Channel 40620 (2593.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear, 15.00	Band 41, E-UTRA/TDD	LTE-TDD, 10172-CAG	2593.0, 40620	8.16	1.88	40.5

Hardware Setup

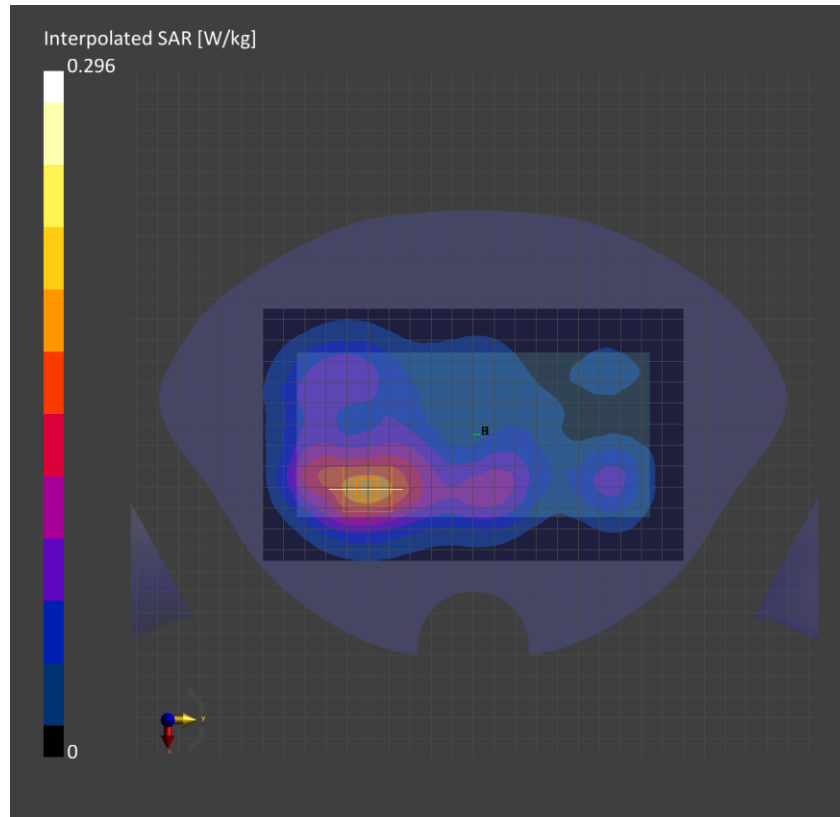
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-26	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-26, 12:59	2022-12-26
psSAR1g [W/kg]	0.155	0.158
psSAR10g [W/kg]	0.086	0.087
Power Drift [dB]		0.09



Measurement Report for Device, Edge 4, Band 41, E-UTRA/TDD, UID 10172 CAG, Channel 40620 (2593.0MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Edge 4, 10.00	Band 41, E-UTRA/TDD	LTE-TDD, 10172-CAG	2593.0, 40620	8.16	1.88	40.5

Hardware Setup

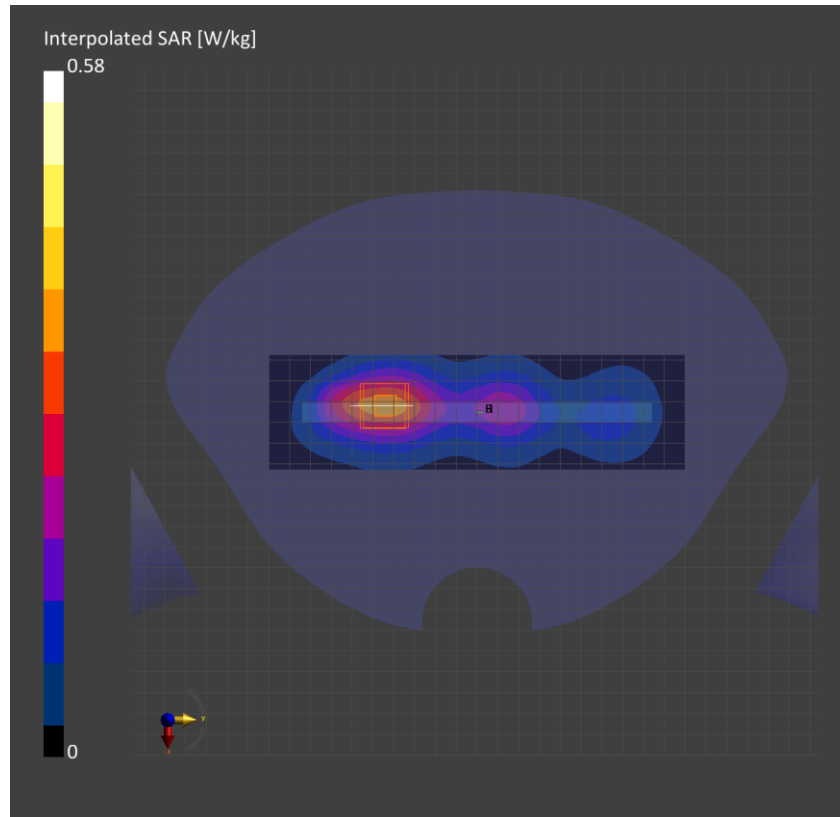
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2043	HBBL-600-10000, 2022-Dec-26	EX3DV4 - SN7646, 2022-03-29	DAE4 Sn1494, 2022-07-18

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	55.02 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	9.17 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2022-12-26	2022-12-26
psSAR1g [W/kg]	0.295	0.302
psSAR10g [W/kg]	0.159	0.161
Power Drift [dB]		0.02



Wi-Fi 2.4 GHz

Frequency: 2462 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.775$ S/m; $\epsilon_r = 39.67$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7651; ConvF(7.82, 7.82, 7.82) @ 2462 MHz; Calibrated: 2022-05-30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Left_Twin-SAM V8.0 (30deg probe tilt)221014; Type: QD 000 P41 Ax; Serial: xxxx

RHS/Touch 802.11 b mode ch.11 Ant 1/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.299 W/kg

RHS/Touch 802.11 b mode ch.11 Ant 1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

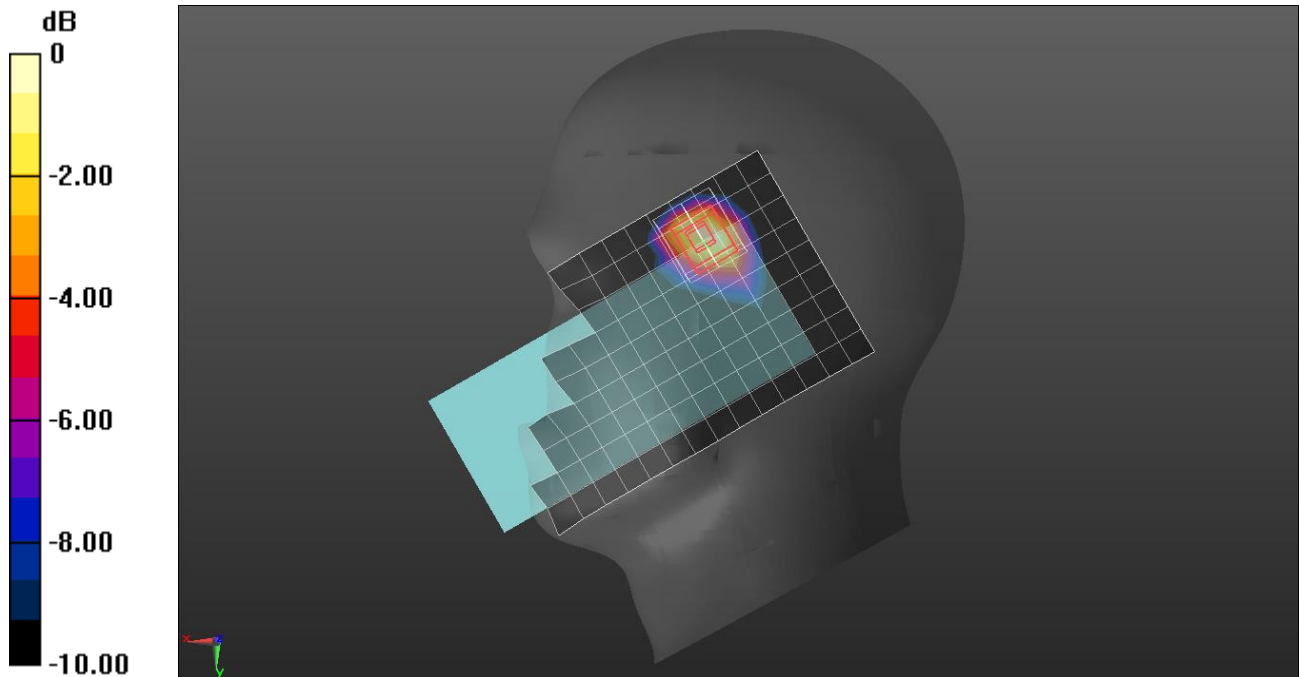
dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.46 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.463 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.090 W/kg

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



0 dB = 0.299 W/kg = -5.24 dBW/kg

Wi-Fi 2.4 GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.772$ S/m; $\epsilon_r = 38.848$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7314; ConvF(7.54, 7.54, 7.54) @ 2437 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Left_Twin-SAM V8.0 (30deg probe tilt)221014; Type: QD 000 P41 Ax; Serial: xxxx

Rear/802.11 b mode ch.6 Ant.1/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.236 W/kg

Rear/802.11 b mode ch.6 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

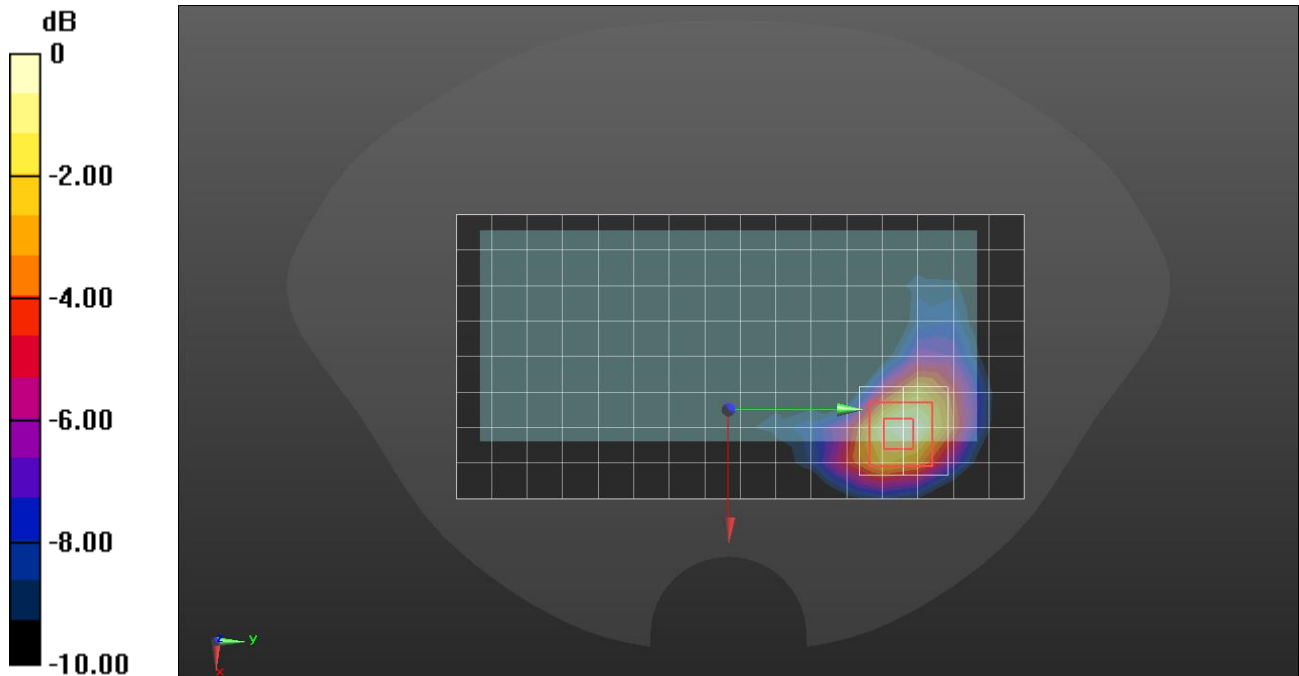
Reference Value = 10.42 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.338 W/kg

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.267 W/kg



0 dB = 0.236 W/kg = -6.27 dBW/kg

Wi-Fi 2.4 GHz

Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.772$ S/m; $\epsilon_r = 38.848$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7314; ConvF(7.54, 7.54, 7.54) @ 2437 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Left_Twin-SAM V8.0 (30deg probe tilt)221014; Type: QD 000 P41 Ax; Serial: xxxx

Rear/802.11 b mode ch.6 Ant.1/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.546 W/kg

Rear/802.11 b mode ch.6 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

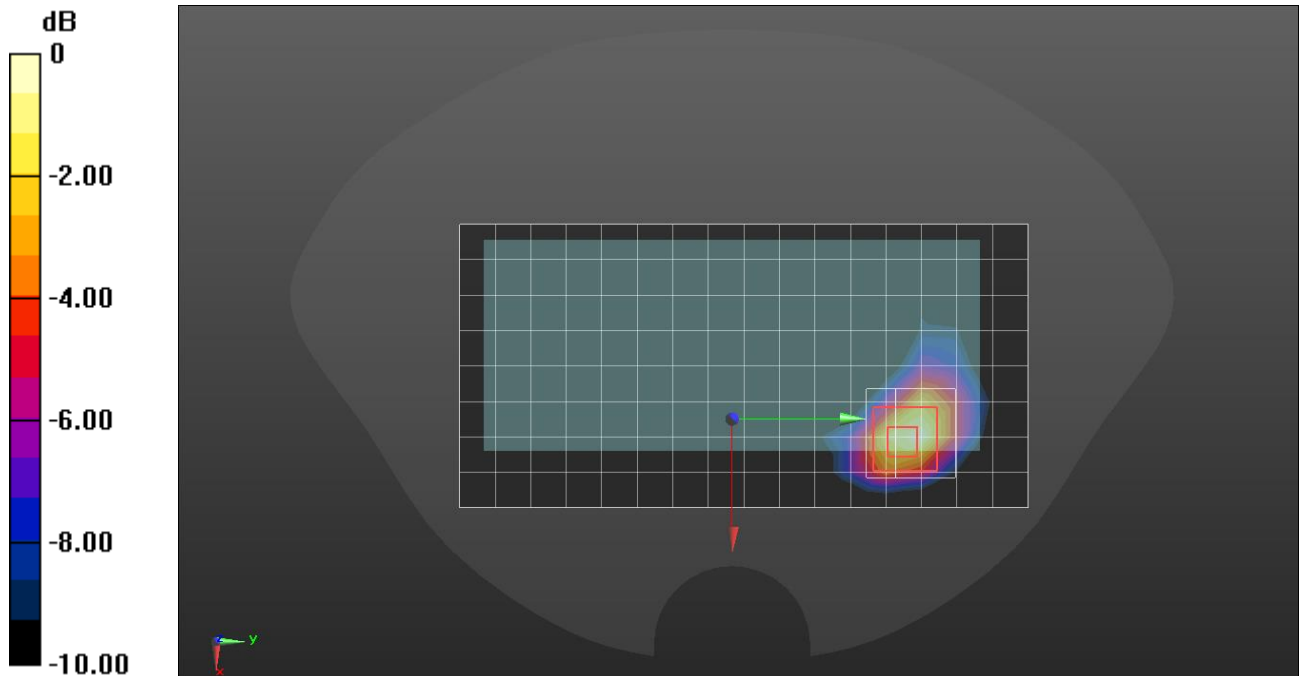
Reference Value = 15.04 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.773 W/kg

Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 0.595 W/kg



0 dB = 0.546 W/kg = -2.63 dBW/kg

Wi-Fi 5.3 GHz

Frequency: 5270 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5270$ MHz; $\sigma = 4.705$ S/m; $\epsilon_r = 35.397$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.92, 4.92, 4.92) @ 5270 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

RHS/Tilt 802.11 n mode ch.54 Ant 1/Area Scan (11x22x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.800 W/kg

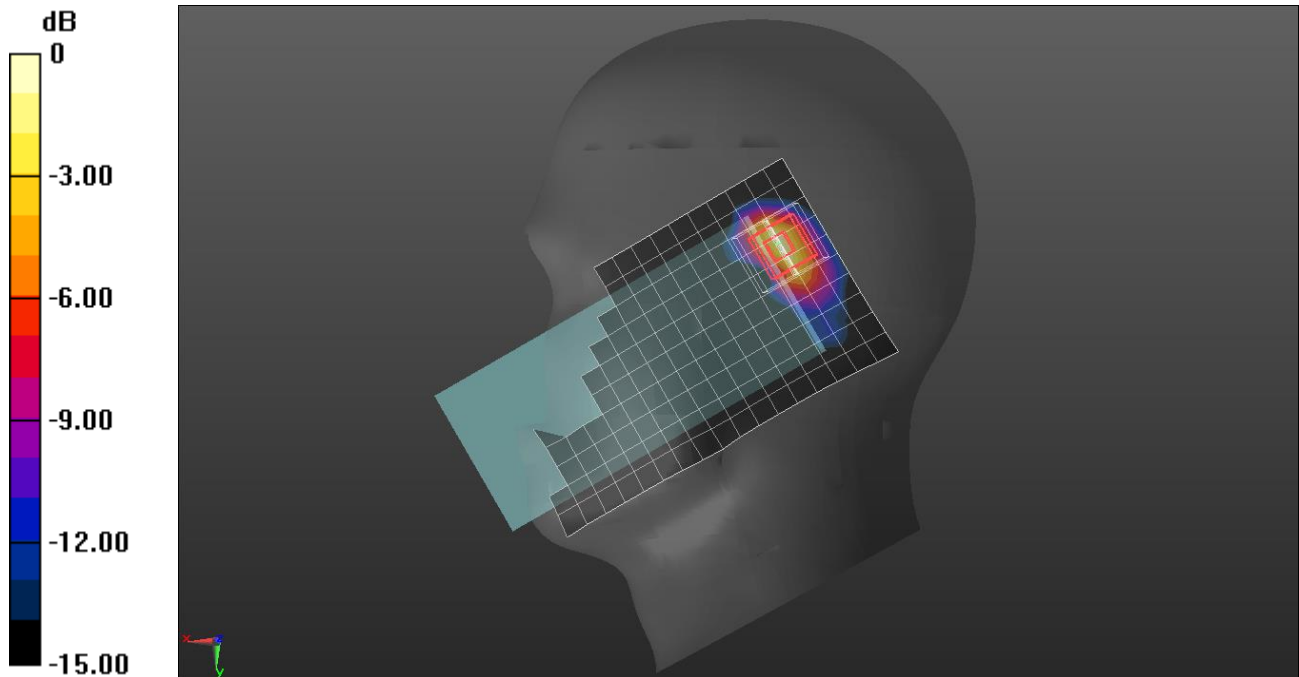
RHS/Tilt 802.11 n mode ch.54 Ant 1/Zoom Scan (8x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.72 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.40 W/kg

SAR(1 g) = 0.410 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.929 W/kg



0 dB = 0.800 W/kg = -0.97 dBW/kg

Wi-Fi 5.3 GHz

Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5280$ MHz; $\sigma = 4.713$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.92, 4.92, 4.92) @ 5280 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/802.11 a mode ch.56 Ant 1/Area Scan (21x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.605 W/kg

Rear/802.11 a mode ch.56 Ant 1/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

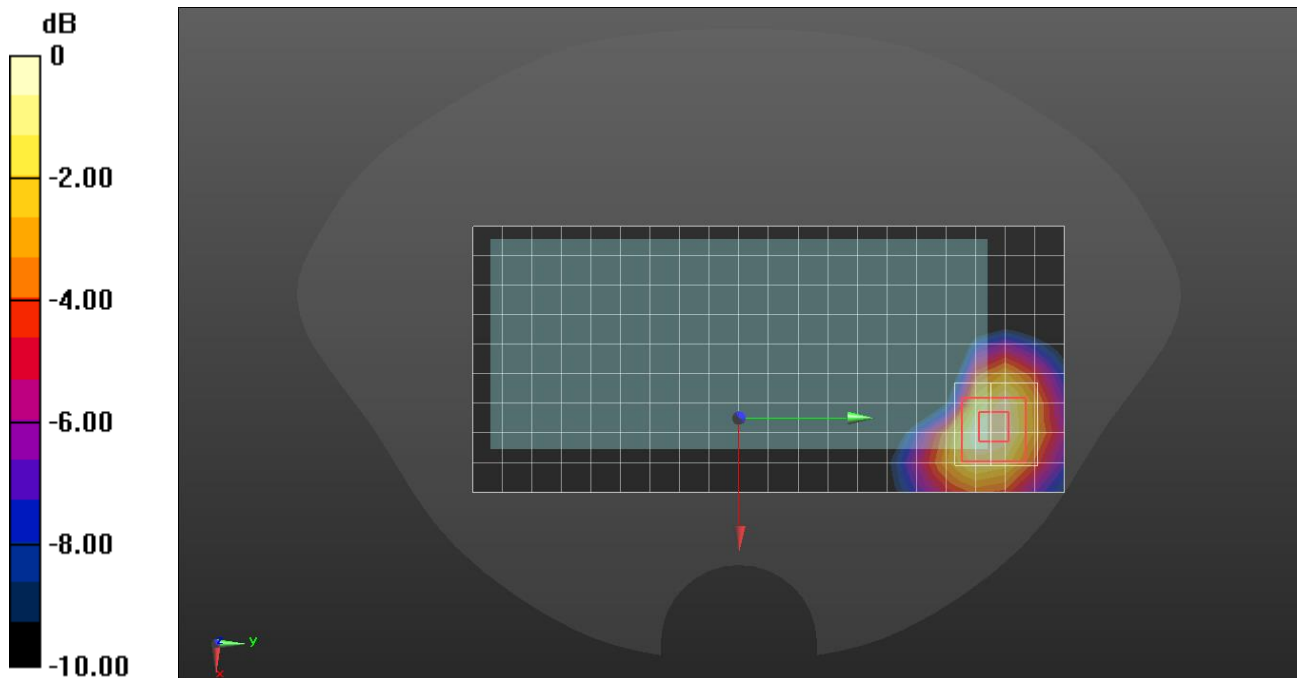
Reference Value = 12.76 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.19 W/kg

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.714 W/kg



0 dB = 0.605 W/kg = -2.18 dBW/kg

Wi-Fi 5.3 GHz

Frequency: 5280 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5280$ MHz; $\sigma = 4.713$ S/m; $\epsilon_r = 35.4$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.92, 4.92, 4.92) @ 5280 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/802.11 a mode ch.56 Ant 1/Area Scan (21x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 9.08 W/kg

Rear/802.11 a mode ch.56 Ant 1/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

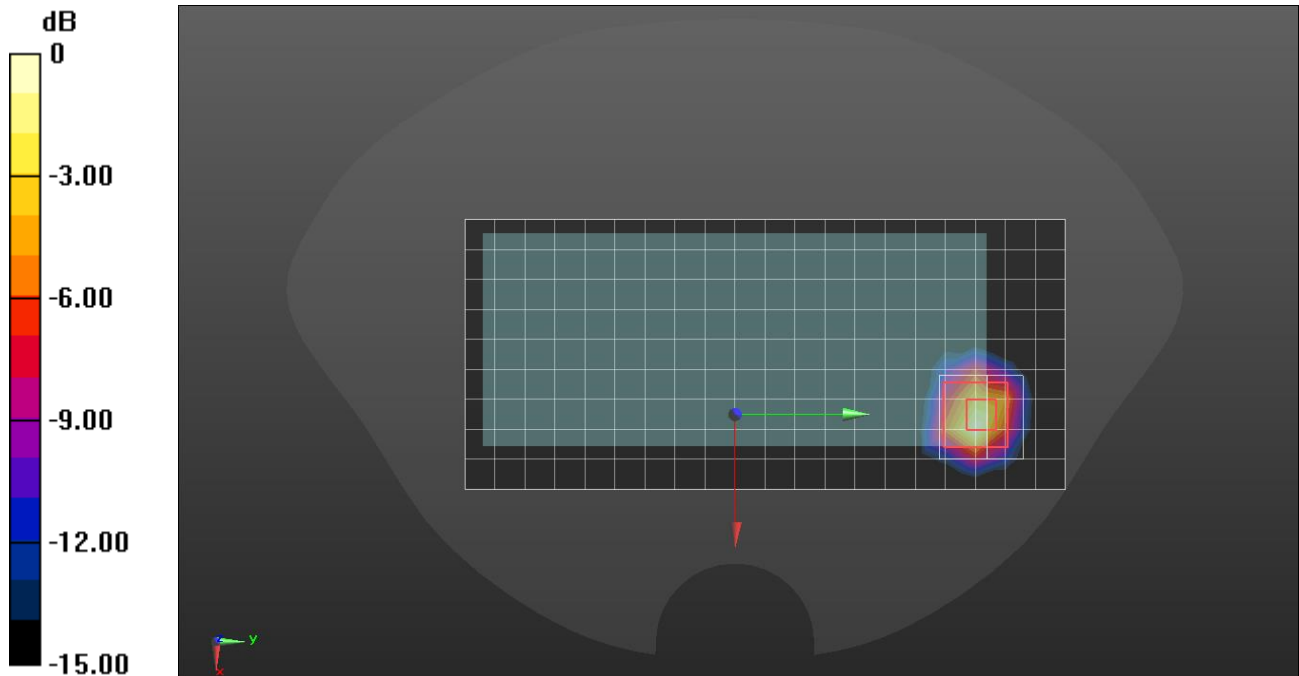
Reference Value = 45.72 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 22.9 W/kg

Peak SAR (extrapolated) = 22.9 W/kg

SAR(1 g) = 4.24 W/kg; SAR(10 g) = 1.23 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 9.08 W/kg = 9.58 dBW/kg

Wi-Fi 5.5 GHz

Frequency: 5610 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5610$ MHz; $\sigma = 5.091$ S/m; $\epsilon_r = 35.953$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.33, 4.33, 4.33) @ 5610 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

LHS/Tilt 802.11 ac mode ch.122 Ant 1/Area Scan (11x20x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.549 W/kg

LHS/Tilt 802.11 ac mode ch.122 Ant 1/Zoom Scan (9x9x7)/Cube 0: Measurement grid:

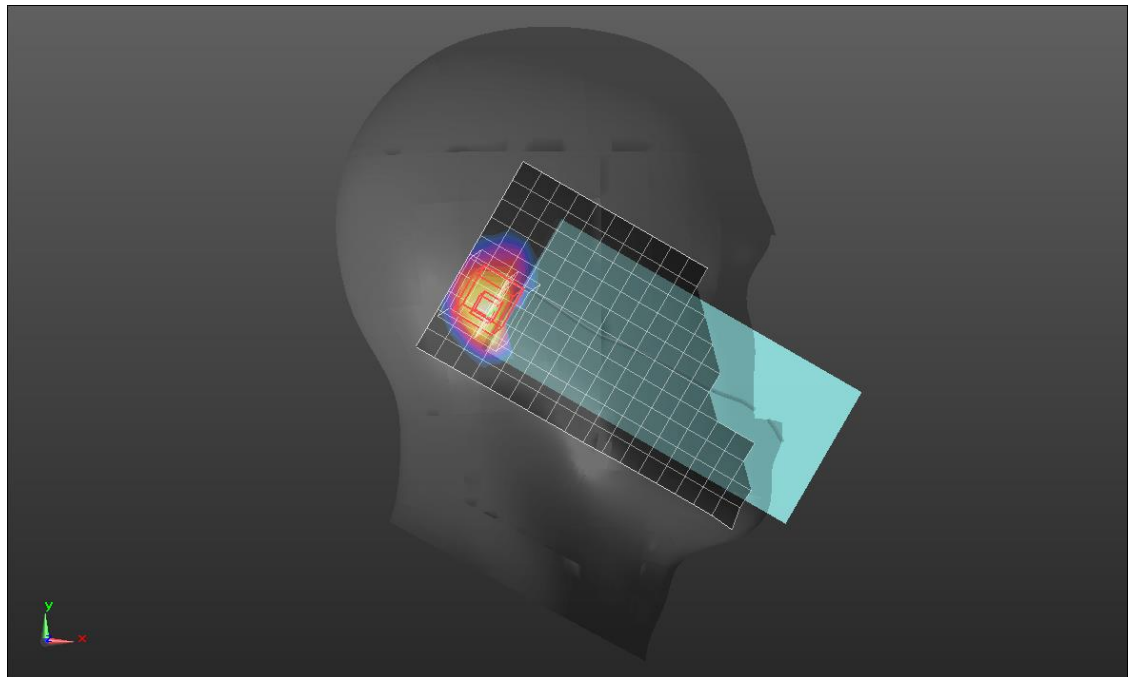
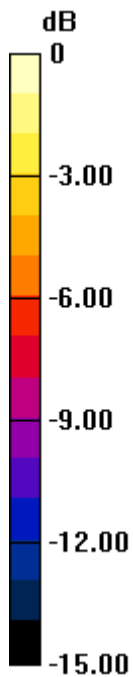
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.480 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.834 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.532 W/kg



0 dB = 0.549 W/kg = -2.60 dBW/kg

Wi-Fi 5.5 GHz

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5620$ MHz; $\sigma = 4.992$ S/m; $\epsilon_r = 35.184$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.33, 4.33, 4.33) @ 5620 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/802.11 a mode ch.124 Ant 1/Area Scan (21x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.722 W/kg

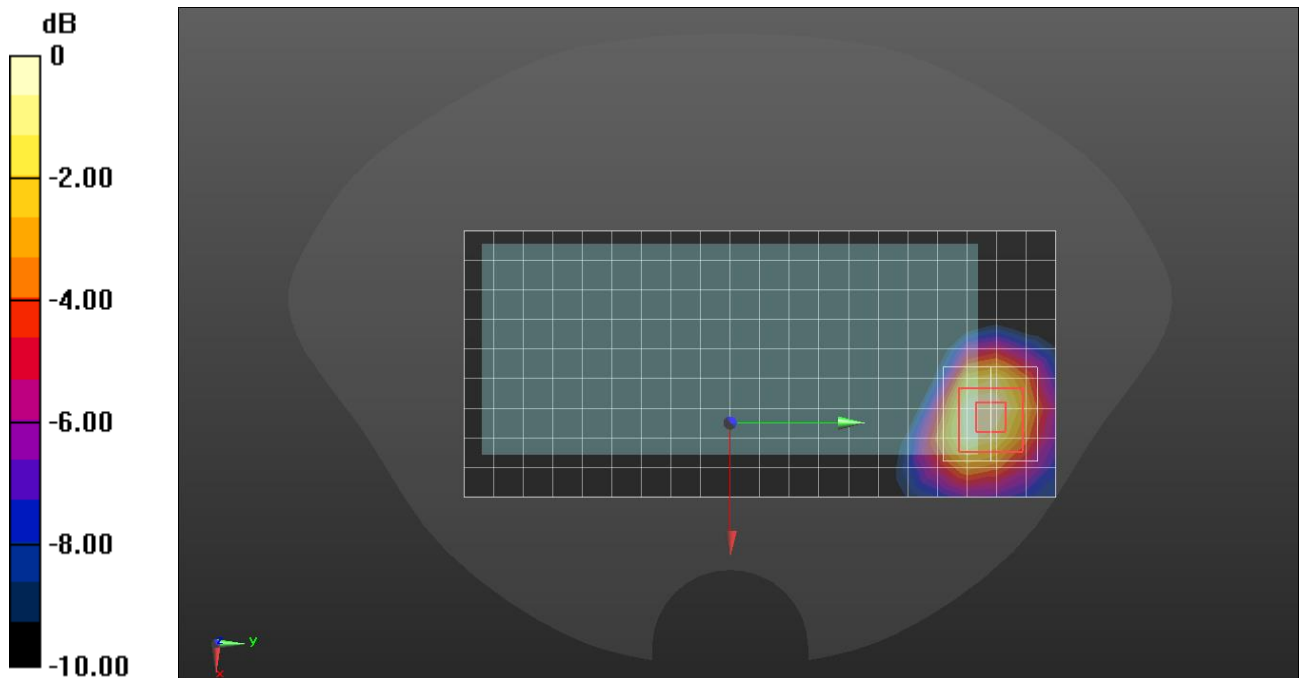
Rear/802.11 a mode ch.124 Ant 1/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 14.18 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.161 W/kg

Maximum value of SAR (measured) = 0.846 W/kg



0 dB = 0.722 W/kg = -1.41 dBW/kg

Wi-Fi 5.5 GHz

Frequency: 5620 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5620$ MHz; $\sigma = 4.992$ S/m; $\epsilon_r = 35.184$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.33, 4.33, 4.33) @ 5620 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Edge 1/802.11 a mode ch.124 Ant 1/Area Scan (12x6x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 18.9 W/kg

Edge 1/802.11 a mode ch.124 Ant 1/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

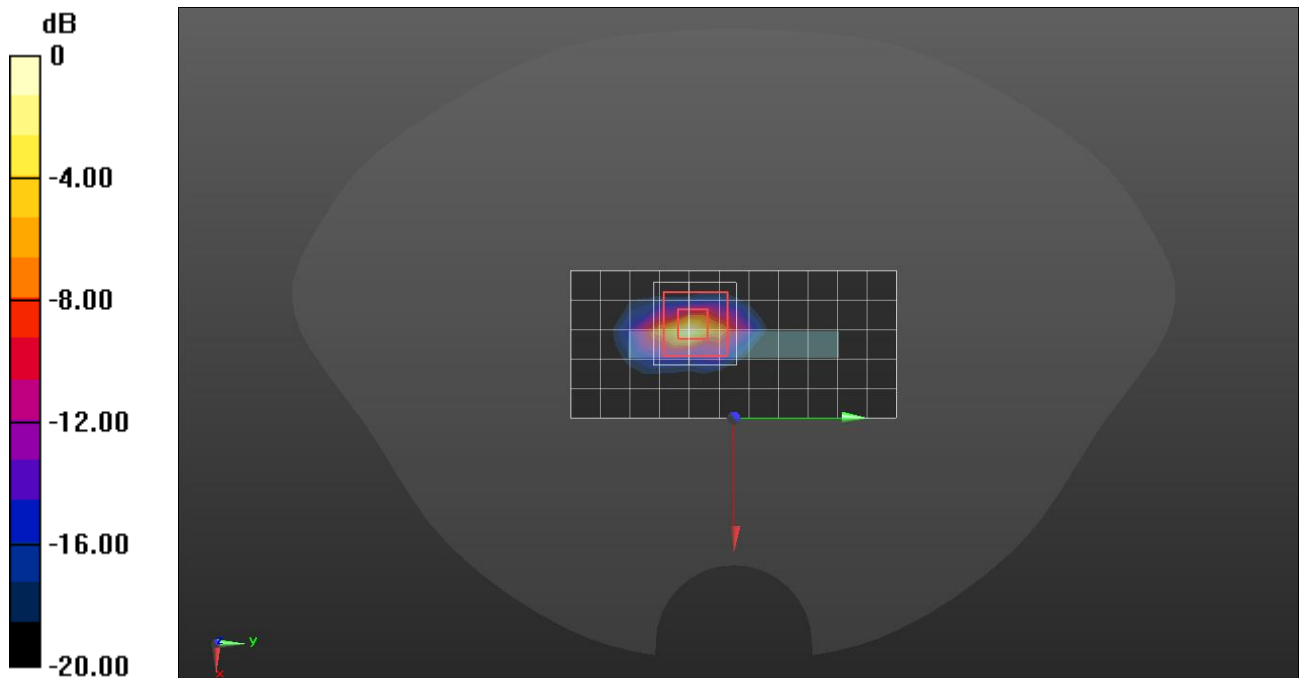
Reference Value = 59.92 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 40.9 W/kg

Peak SAR (extrapolated) = 40.9 W/kg

SAR(1 g) = 5.26 W/kg; SAR(10 g) = 1.04 W/kg

Maximum value of SAR (measured) = 17.2 W/kg



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

Wi-Fi 5.8 GHz

Frequency: 5775 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5775$ MHz; $\sigma = 5.181$ S/m; $\epsilon_r = 35.299$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.4, 4.4, 4.4) @ 5775 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

LHS/Tilt 802.11 ac mode ch.155 Ant 1/Area Scan (11x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.443 W/kg

LHS/Tilt 802.11 ac mode ch.155 Ant 1/Zoom Scan (8x8x7)/Cube 0: Measurement grid:

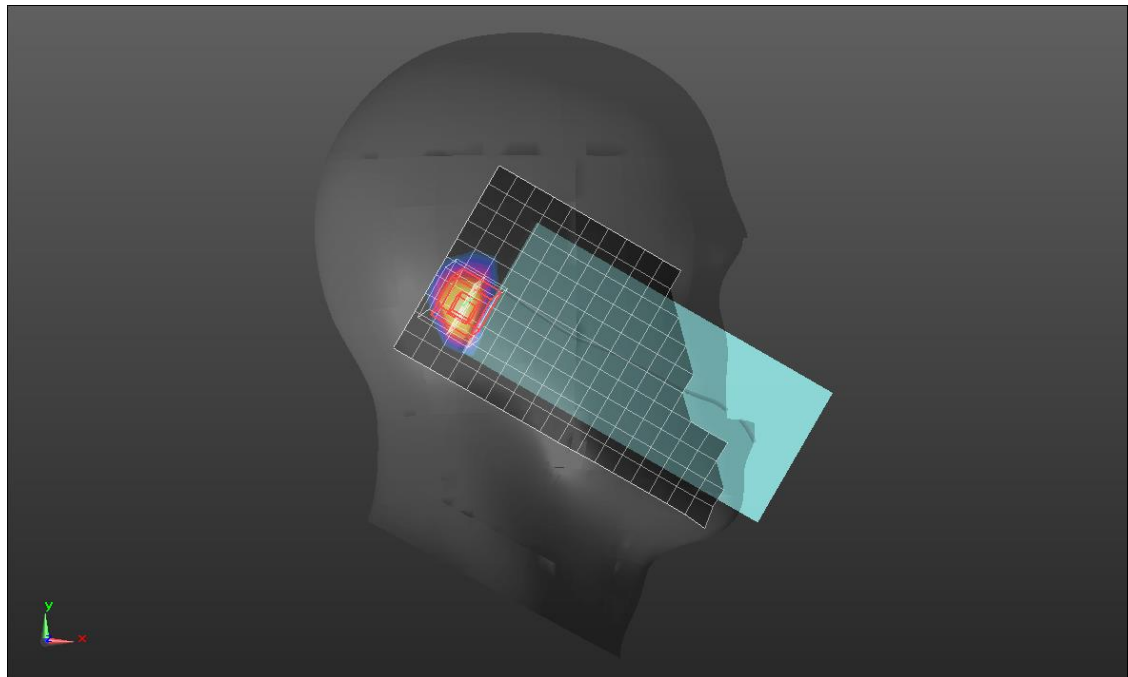
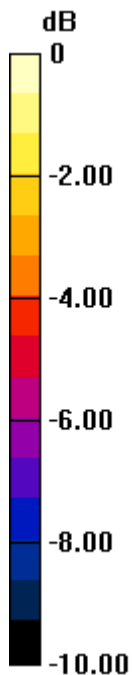
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.890 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.060 W/kg

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



0 dB = 0.443 W/kg = -3.54 dBW/kg

Wi-Fi 5.8 GHz

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.12$ S/m; $\epsilon_r = 34.892$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.4, 4.4, 4.4) @ 5745 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/802.11 a mode ch.149 Ant 1/Area Scan (21x10x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.520 W/kg

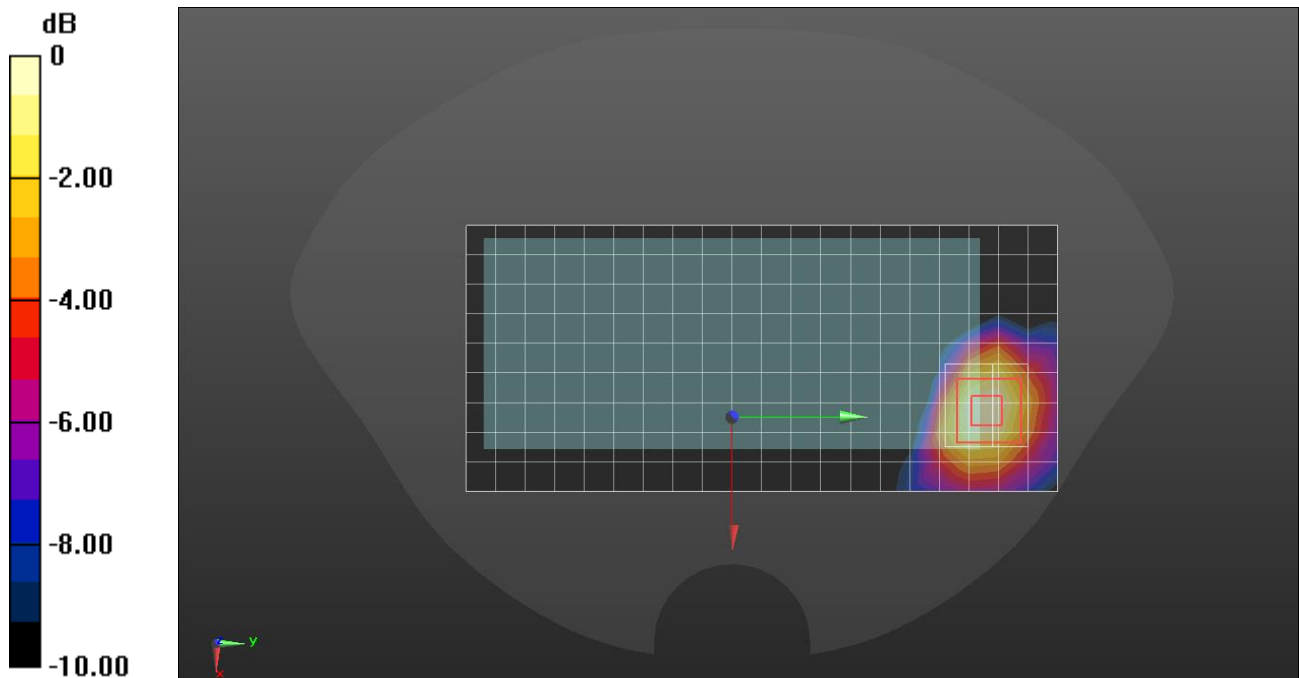
Rear/802.11 a mode ch.149 Ant 1/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.36 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.102 W/kg

Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.520 W/kg = -2.84 dBW/kg

Wi-Fi 5.8 GHz

Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.12$ S/m; $\epsilon_r = 34.892$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1468; Calibrated: 2022-08-18
- Probe: EX3DV4 - SN7645; ConvF(4.4, 4.4, 4.4) @ 5745 MHz; Calibrated: 2022-11-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Type: QD 000 P40 CD; Serial: 1751

Rear/802.11 a mode ch.149 Ant 1/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.760 W/kg

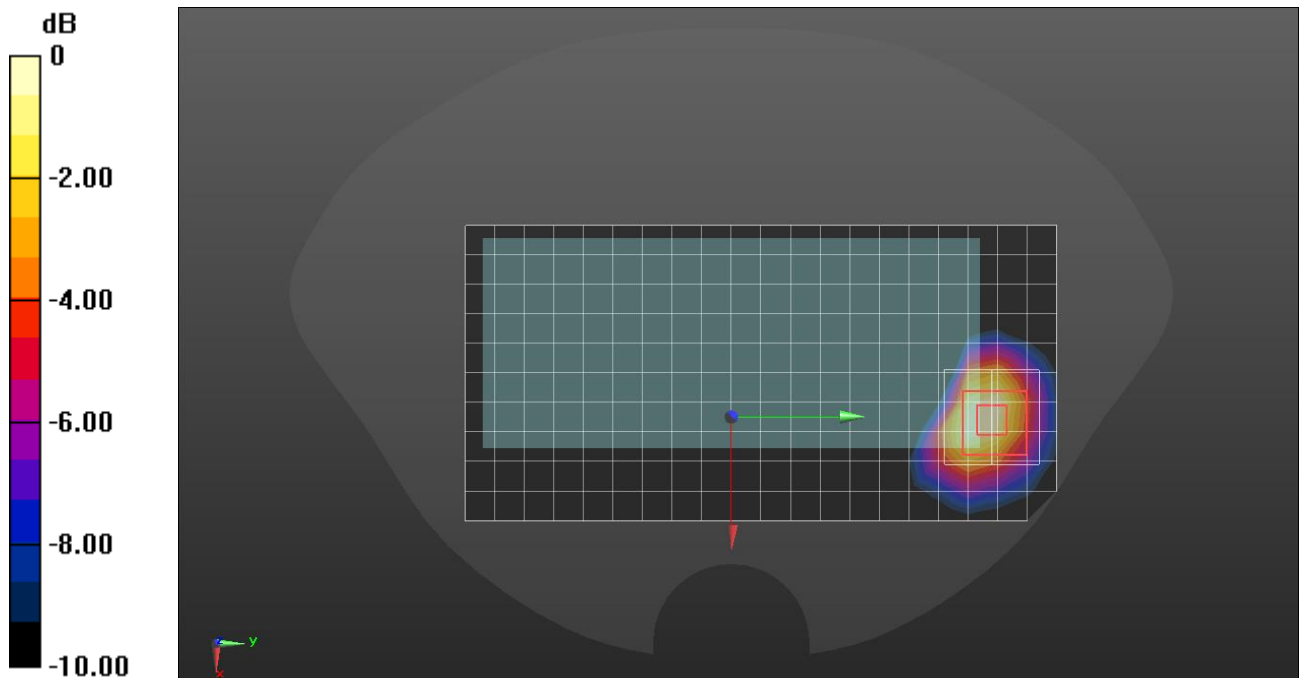
Rear/802.11 a mode ch.149 Ant 1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.85 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.380 W/kg; SAR(10 g) = 0.132 W/kg.

Maximum value of SAR (measured) = 0.945 W/kg



0 dB = 0.760 W/kg = -1.19 dBW/kg

Bluetooth

Frequency: 2402 MHz; Duty Cycle: 1:1.17625; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 39.916$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7314; ConvF(7.54, 7.54, 7.54) @ 2402 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Left_Twin-SAM V8.0 (30deg probe tilt)221014; Type: QD 000 P41 Ax; Serial: xxxx

RHS/Touch Bluetooth GFSK ch.0 Ant.1/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0556 W/kg

RHS/Touch Bluetooth GFSK ch.0 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

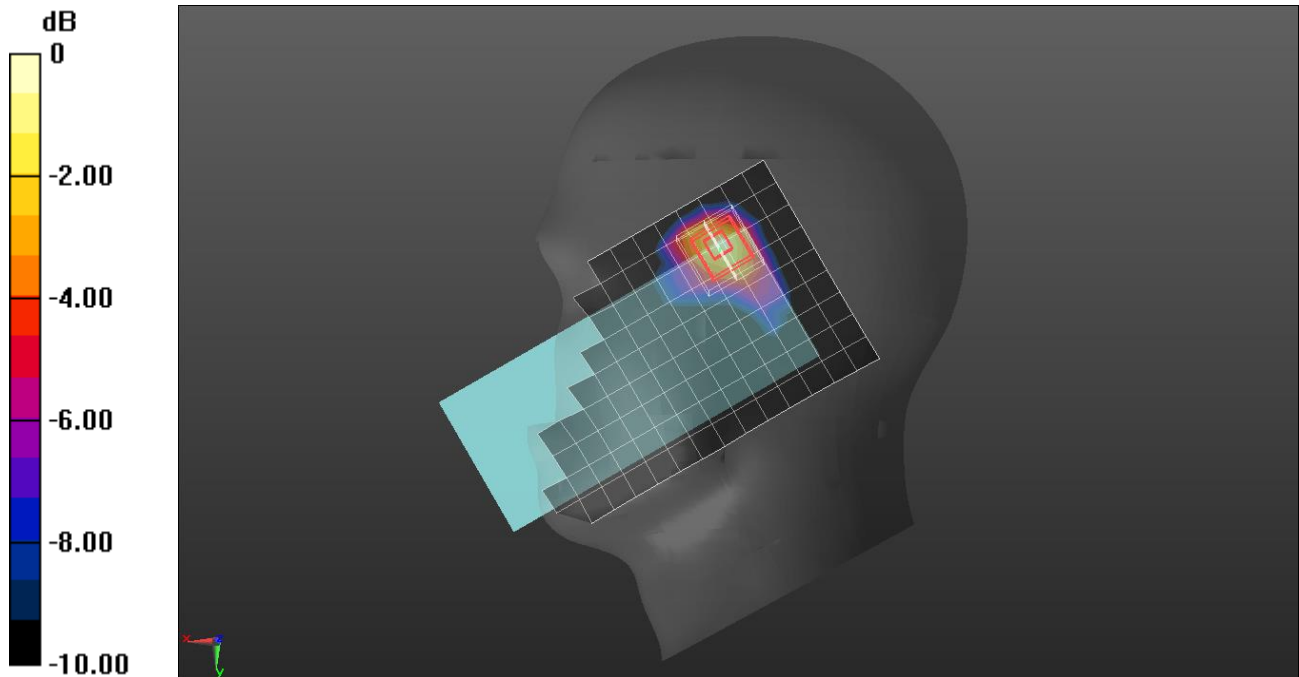
dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.389 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0800 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.015 W/kg.

Maximum value of SAR (measured) = 0.0585 W/kg



$$0 \text{ dB} = 0.0556 \text{ W/kg} = -12.55 \text{ dBW/kg}$$

Bluetooth

Frequency: 2402 MHz; Duty Cycle: 1:1.17625; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 39.916$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7314; ConvF(7.54, 7.54, 7.54) @ 2402 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Left_Twin-SAM V8.0 (30deg probe tilt)221014; Type: QD 000 P41 Ax; Serial: xxxx

Rear/Bluetooth GFSK ch.0 Ant.1/Area Scan (17x11x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.0375 W/kg

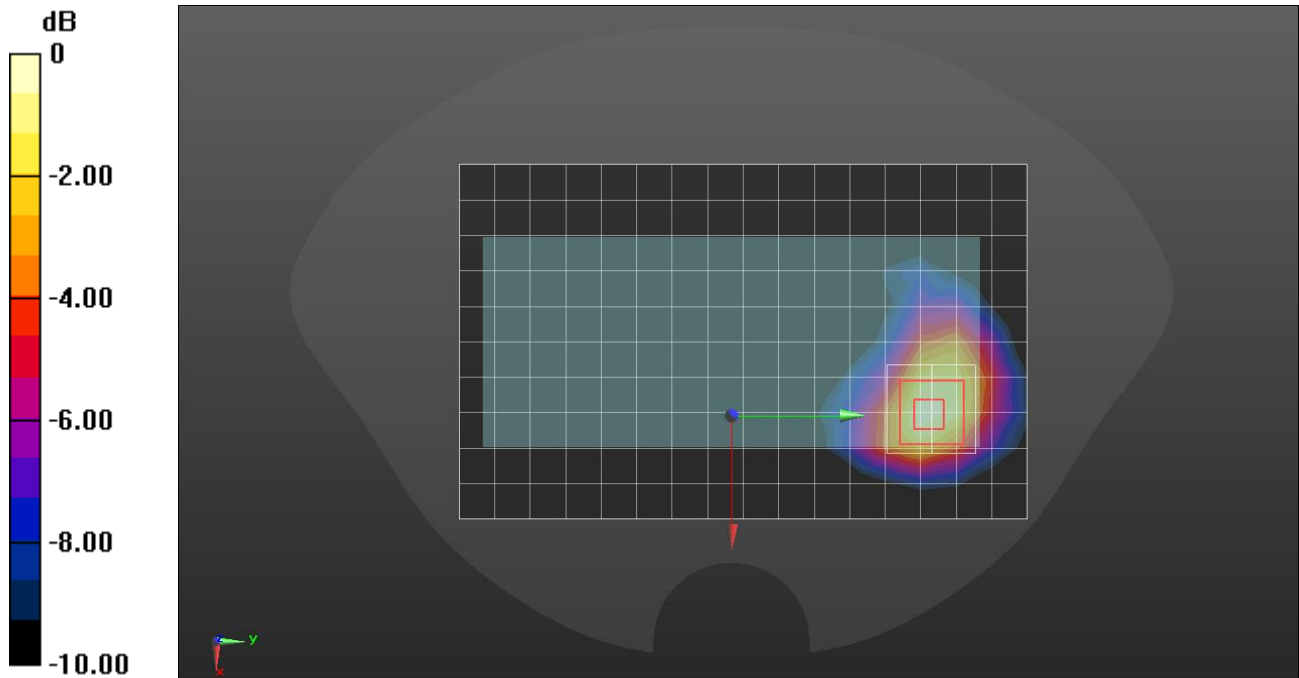
Rear/Bluetooth GFSK ch.0 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.332 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0500 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0402 W/kg



$$0 \text{ dB} = 0.0375 \text{ W/kg} = -14.26 \text{ dBW/kg}$$

Bluetooth

Frequency: 2402 MHz; Duty Cycle: 1:1.17625; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 39.916$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1447; Calibrated: 2022-03-25
- Probe: EX3DV4 - SN7314; ConvF(7.54, 7.54, 7.54) @ 2402 MHz; Calibrated: 2022-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Left_Twin-SAM V8.0 (30deg probe tilt)221014; Type: QD 000 P41 Ax; Serial: xxxx

Rear/Bluetooth GFSK ch.0 Ant.1/Area Scan (17x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0885 W/kg

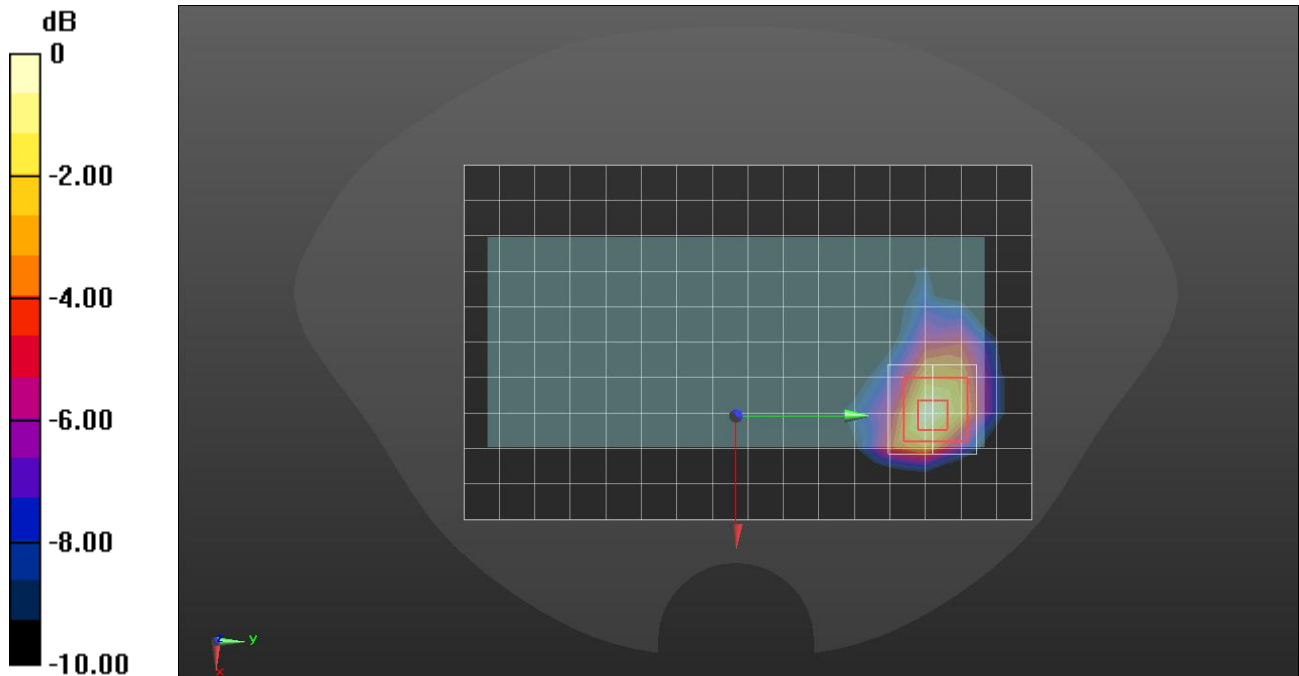
Rear/Bluetooth GFSK ch.0 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.564 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.0932 W/kg



$$0 \text{ dB} = 0.0885 \text{ W/kg} = -10.53 \text{ dBW/kg}$$