

GSM 850: GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), CHEEK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	GSM 850	TSL Permittivity	41.8
Frequency [MHz] / Channel Number	836.6 / 190	TSL Conductivity [S/m]	0.894
Group / UID	GSM / 10028-DAC	Phantom Section / TSL	RightHead / HSL
Conversion Factor	8.91	Test Distance [mm]	0.00

DASY Configuration

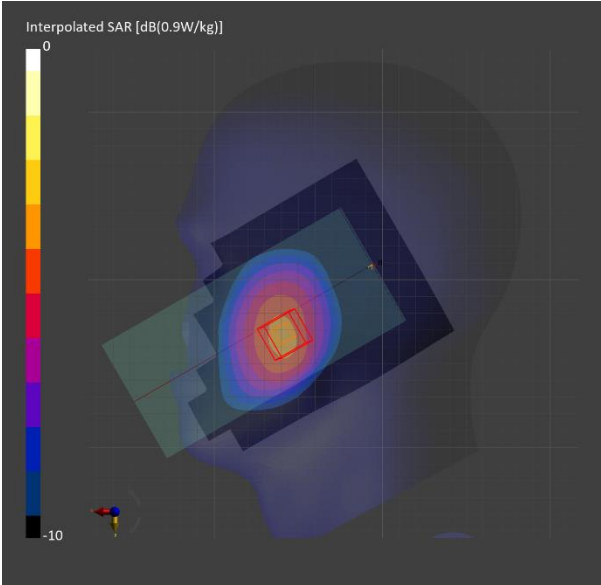
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 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
psSAR1g [W/Kg]	0.330	0.352
psSAR10g [W/Kg]	0.225	0.281
Power Drift [dB]		-0.00
Dist 3dB Peak [mm]		25.1
M2/M1 [%]		97.8



GSM 850: GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), Rear

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	GSM 850	TSL Permittivity	41.8
Frequency [MHz] / Channel Number	836.6 / 190	TSL Conductivity [S/m]	0.894
Group / UID	GSM / 10028-DAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.91	Test Distance [mm]	15.00

DASY Configuration

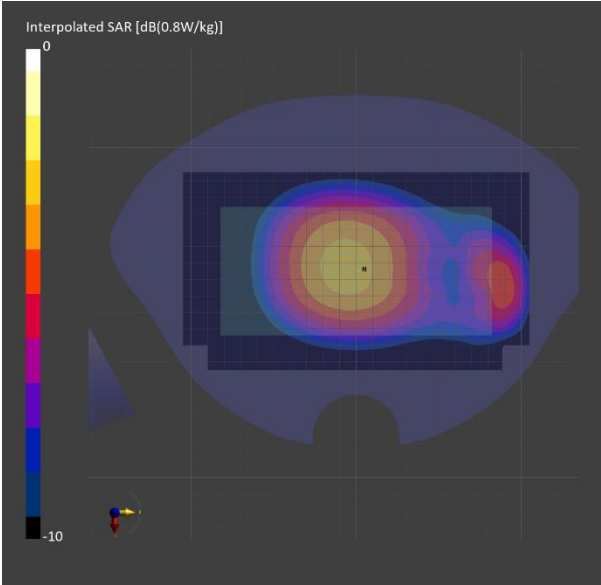
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 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
psSAR1g [W/Kg]	0.358	0.376
psSAR10g [W/Kg]	0.253	0.287
Power Drift [dB]		-0.01
Dist 3dB Peak [mm]		> 16.0
M2/M1 [%]		92.7



GSM 850: GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), Rear

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	GSM 850	TSL Permittivity	41.8
Frequency [MHz] / Channel Number	836.6 / 190	TSL Conductivity [S/m]	0.894
Group / UID	GSM / 10028-DAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.91	Test Distance [mm]	10.00

DASY Configuration

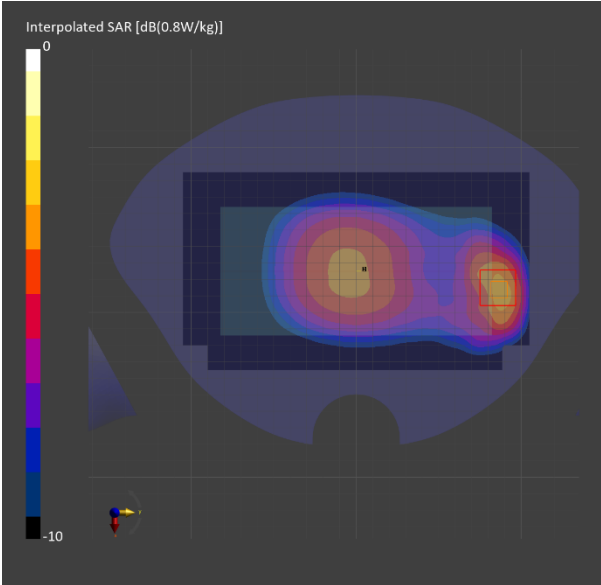
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 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
psSAR1g [W/Kg]	0.359	0.354
psSAR10g [W/Kg]	0.229	0.208
Power Drift [dB]		-0.03
Dist 3dB Peak [mm]		11.4
M2/M1 [%]		83.3



PCS 1900: GPRS-FDD (TDMA, GMSK, TN 0-1), CHEEK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	PCS 1900	TSL Permittivity	39.4
Frequency [MHz] / Channel Number	1850.200 / 512	TSL Conductivity [S/m]	1.36
Group / UID	GSM / 10024-DAC	Phantom Section / TSL	RightHead / Head Simulating Liquid
Conversion Factor	7.96	Test Distance [mm]	0.00

DASY Configuration

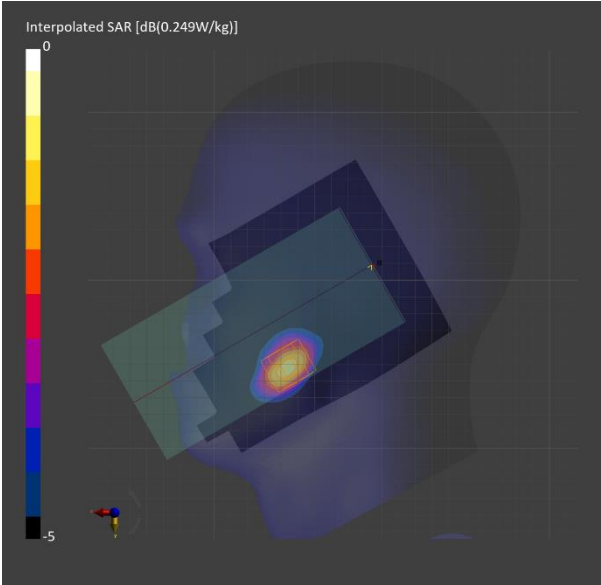
Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

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
psSAR1g [W/Kg]	0.157	0.167
psSAR10g [W/Kg]	0.090	0.103
Power Drift [dB]		0.00
Dist 3dB Peak [mm]		12.8
M2/M1 [%]		88.1



GSM 1900

Frequency: 1850.2 MHz; Communication System Channel Number: 512; Duty Cycle: 1:4.00037

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 41.217$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.12, 8.43, 7.59) @ 1850.2 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/GPRS 2 slots ch.512/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.380 W/kg

Rear/GPRS 2 slots ch.512/Zoom Scan (7x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.30 V/m; Power Drift = -0.15 dB

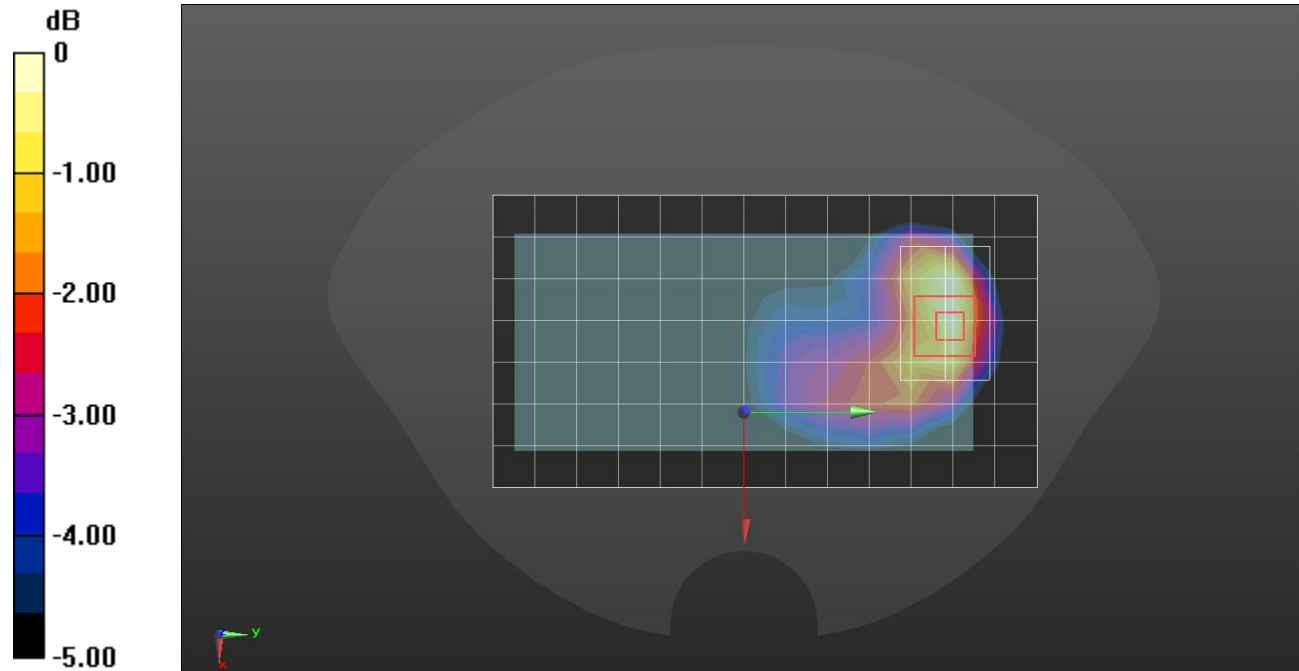
Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.171 W/kg

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 60.3%

Maximum value of SAR (measured) = 0.383 W/kg



0 dB = 0.383 W/kg = -4.17 dBW/kg

GSM 1900

Frequency: 1850.2 MHz; Communication System Channel Number: 512; Duty Cycle: 1:4.00037

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 41.217$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.12, 8.43, 7.59) @ 1850.2 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/GPRS 2 slots ch.512 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.481 W/kg

Rear/GPRS 2 slots ch.512 /Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.84 V/m; Power Drift = -0.15 dB

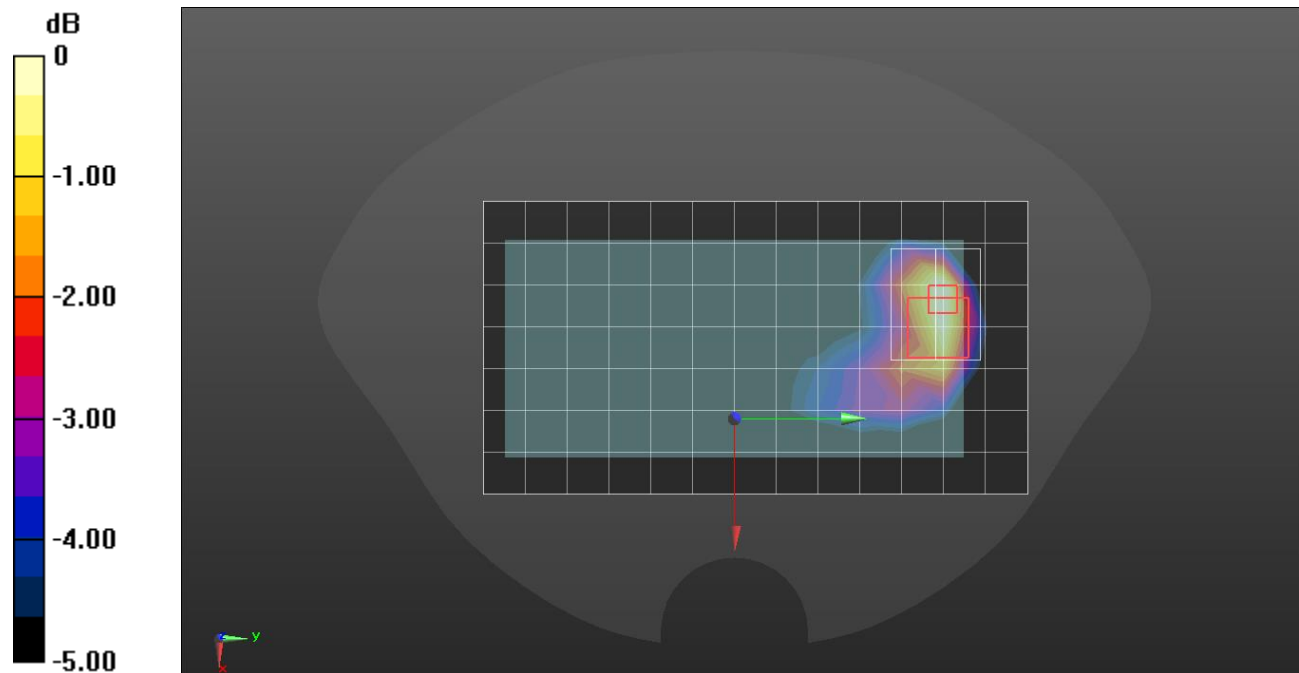
Peak SAR (extrapolated) = 0.578 W/kg

SAR(1 g) = 0.320 W/kg; SAR(10 g) = 0.189 W/kg

Smallest distance from peaks to all points 3 dB below = 9.3 mm

Ratio of SAR at M2 to SAR at M1 = 57.2%

Maximum value of SAR (measured) = 0.453 W/kg



0 dB = 0.453 W/kg = -3.44 dBW/kg

Band 2: UMTS-FDD (WCDMA), CHEEK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 2	TSL Permittivity	39.4
Frequency [MHz] / Channel Number	1880.000 / 9400	TSL Conductivity [S/m]	1.37
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	RightHead / Head Simulating Liquid
Conversion Factor	7.96	Test Distance [mm]	0.00

DASY Configuration

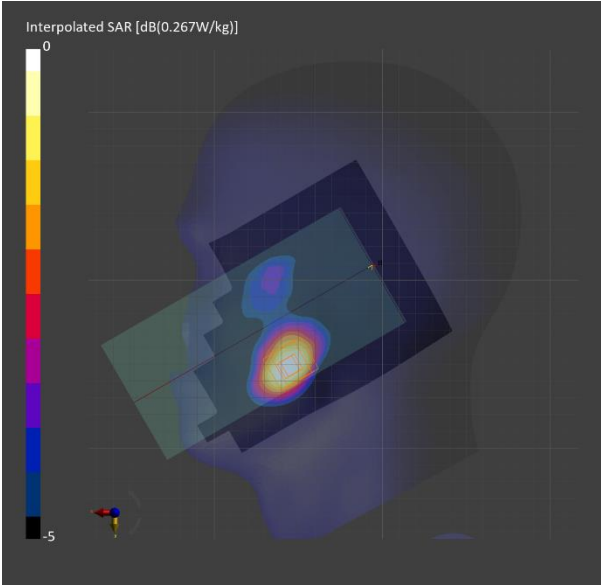
Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

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
psSAR1g [W/Kg]	0.214	0.227
psSAR10g [W/Kg]	0.123	0.140
Power Drift [dB]		0.00
Dist 3dB Peak [mm]		12.0
M2/M1 [%]		88.4



WCDMA Band II

Frequency: 1880 MHz; Communication System Channel Number: 9400; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.445$ S/m; $\epsilon_r = 40.87$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.12, 8.43, 7.59) @ 1880 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/Rel.99 ch.9400 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.588 W/kg

Rear/Rel.99 ch.9400 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.53 V/m; Power Drift = -0.10 dB

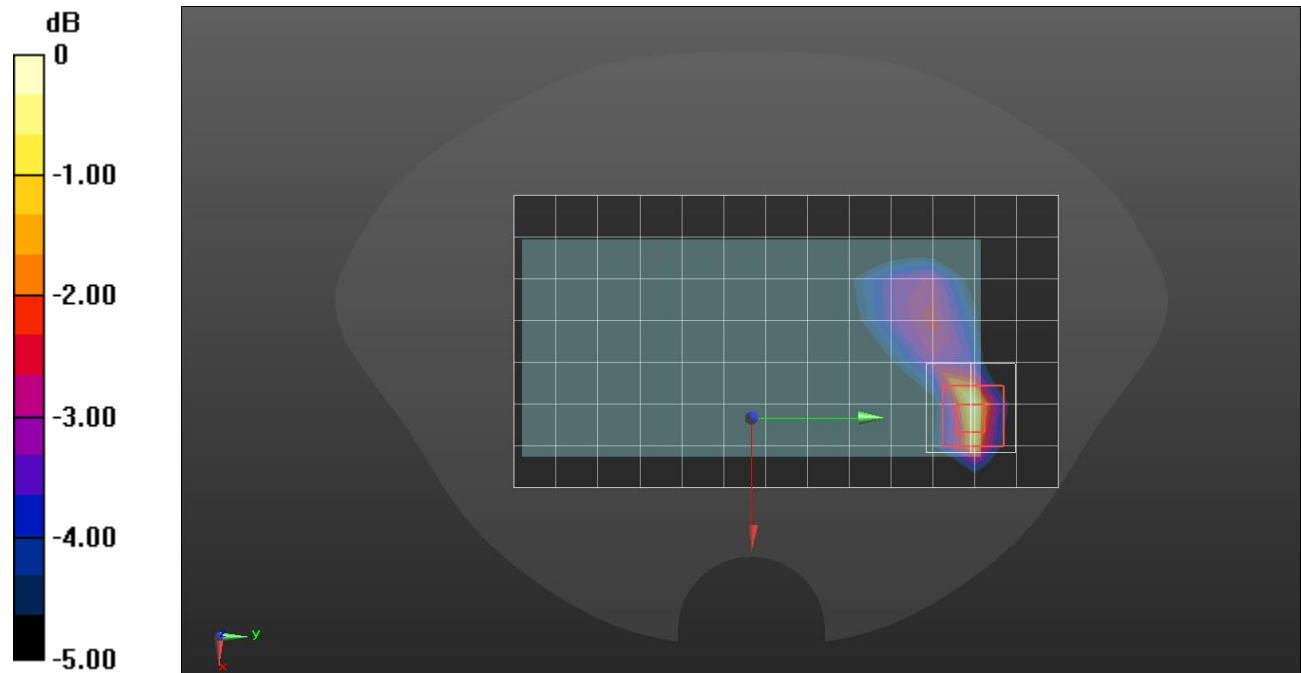
Peak SAR (extrapolated) = 0.733 W/kg

SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.223 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 59.4%

Maximum value of SAR (measured) = 0.615 W/kg



0 dB = 0.615 W/kg = -2.11 dBW/kg

Band 2: UMTS-FDD (WCDMA), BACK
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 2	TSL Permittivity	39.7
Frequency [MHz] / Channel Number	1880.0 / 9400	TSL Conductivity [S/m]	1.43
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.12	Test Distance [mm]	10.00

DASY Configuration

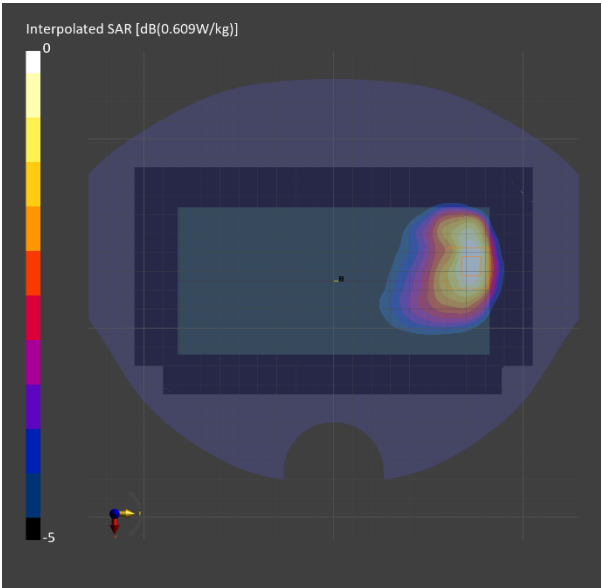
Probe Calibration Date	EX3DV4 - SN7651 2024-03-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.494	0.515
psSAR10g [W/Kg]	0.289	0.303
Power Drift [dB]		0.01
Dist 3dB Peak [mm]		13.2
M2/M1 [%]		87.2



Band 2: UMTS-FDD (WCDMA), BACK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 2	TSL Permittivity	39.7
Frequency [MHz] / Channel Number	1880.0 / 9400	TSL Conductivity [S/m]	1.43
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.12	Test Distance [mm]	0.00

DASY Configuration

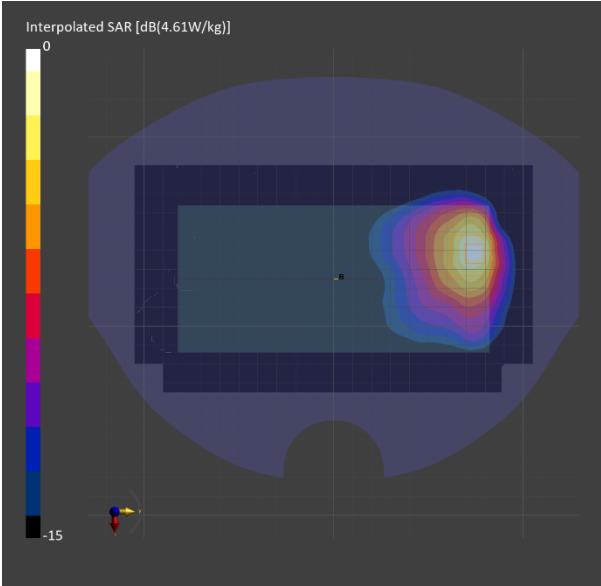
Probe Calibration Date	EX3DV4 - SN7651 2024-03-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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	5.7 x 5.7 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.01	3.12
psSAR10g [W/Kg]	1.47	1.44
Power Drift [dB]		0.01
Dist 3dB Peak [mm]		5.7
M2/M1 [%]		71.4



Band 4: UMTS-FDD (WCDMA), CHEEK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 4	TSL Permittivity	39.5
Frequency [MHz] / Channel Number	1732.600 / 1413	TSL Conductivity [S/m]	1.31
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	LeftHead / Head Simulating Liquid
Conversion Factor	8.25	Test Distance [mm]	0.00

DASY Configuration

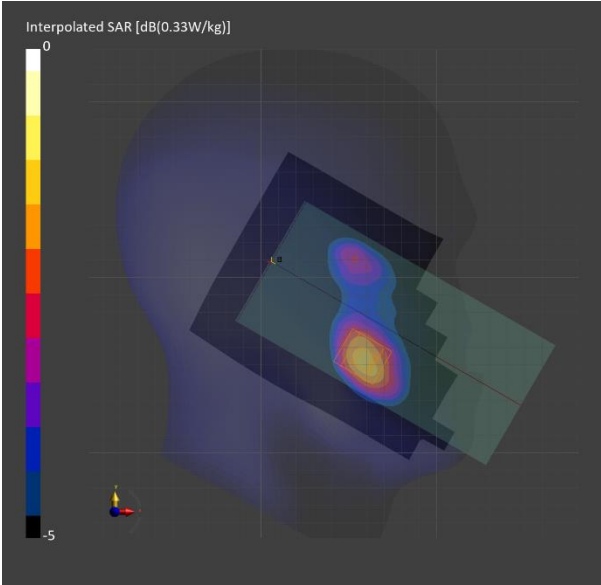
Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

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
psSAR1g [W/Kg]	0.201	0.218
psSAR10g [W/Kg]	0.123	0.140
Power Drift [dB]		0.04
Dist 3dB Peak [mm]		14.5
M2/M1 [%]		88.3



WCDMA Band IV

Frequency: 1732.6 MHz; Communication System Channel Number: 1413; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 41.048$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1732.6 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/Rel.99 ch.1413 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.755 W/kg

Rear/Rel.99 ch.1413 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.15 V/m; Power Drift = -0.02 dB

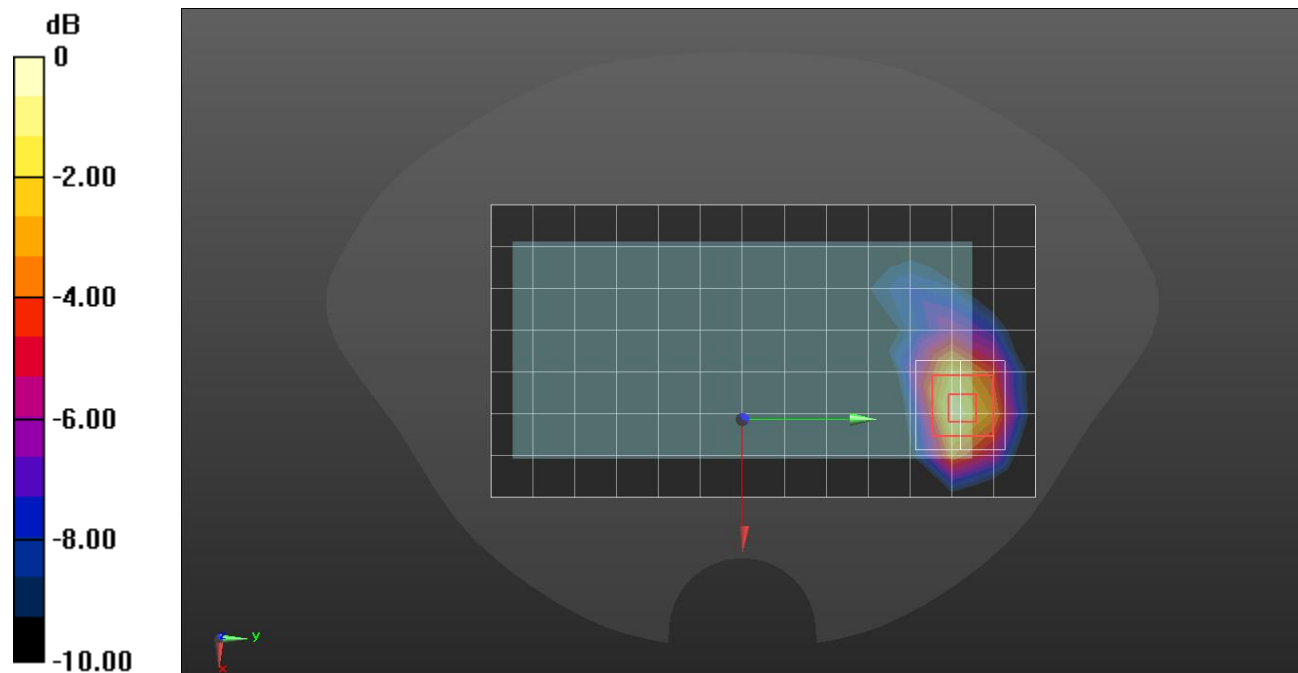
Peak SAR (extrapolated) = 0.995 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.292 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 56%

Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg = -0.73 dBW/kg

WCDMA Band IV

Frequency: 1732.6 MHz; Communication System Channel Number: 1413; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.366$ S/m; $\epsilon_r = 41.048$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1732.6 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/Rel.99 ch.1413 /Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.03 W/kg

Bottom/Rel.99 ch.1413 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.30 V/m; Power Drift = -0.03 dB

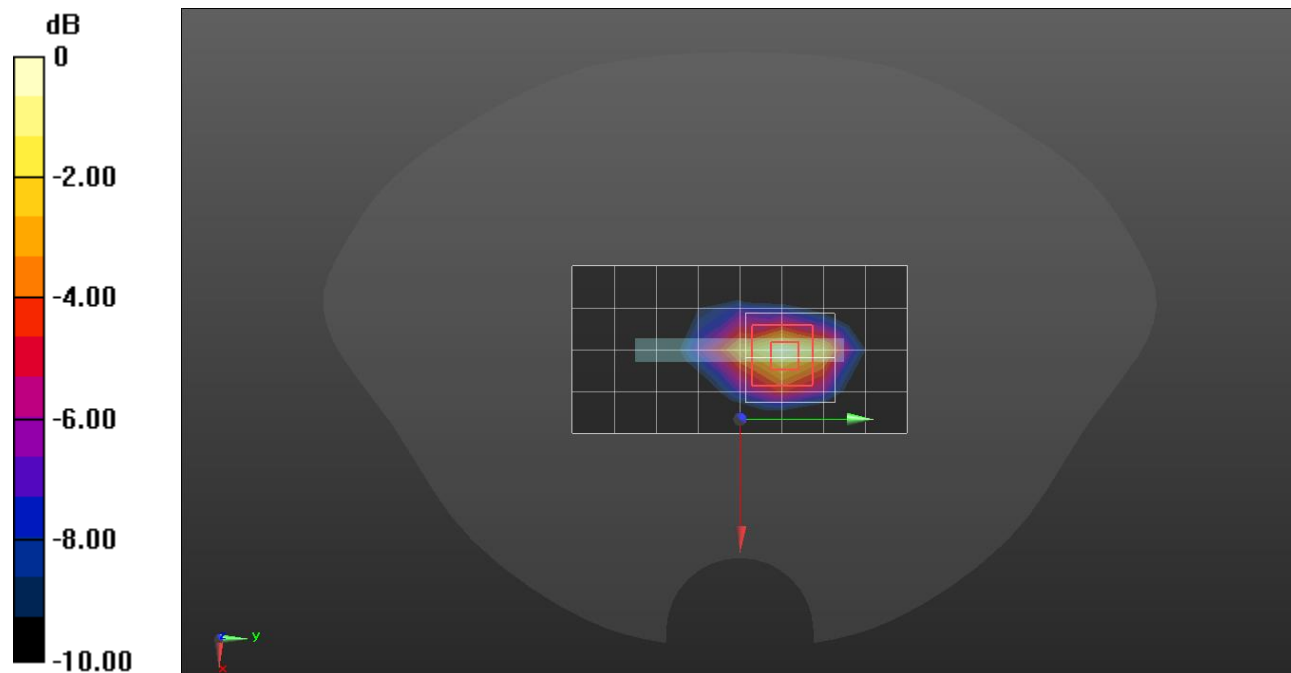
Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.358 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

WCDMA Band IV

Frequency: 1752.6 MHz; Communication System Channel Number: 1513; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 40.995$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1752.6 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/Rel.99 ch.1513 /Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 10.5 W/kg

Bottom/Rel.99 ch.1513 /Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.04 V/m; Power Drift = 0.16 dB

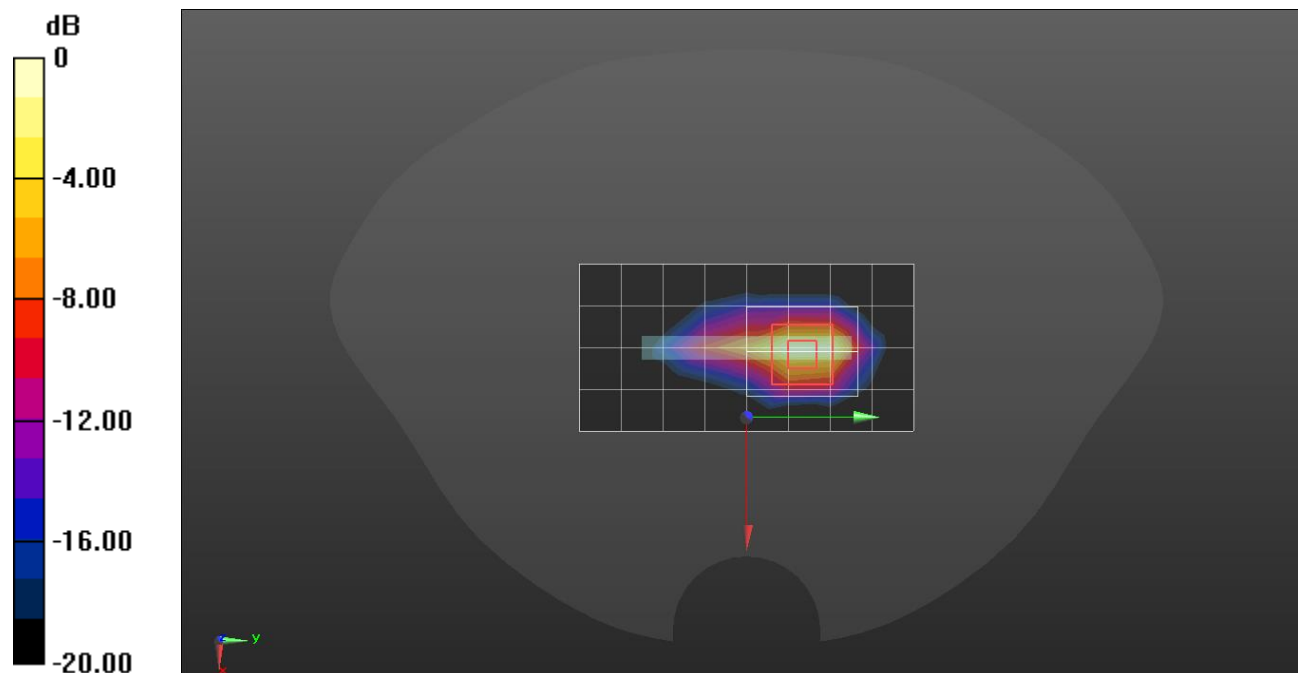
Peak SAR (extrapolated) = 14.7 W/kg

SAR(1 g) = 5.95 W/kg; SAR(10 g) = 2.43 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 39%

Maximum value of SAR (measured) = 11.6 W/kg



0 dB = 11.6 W/kg = 10.64 dBW/kg

Band 5: UMTS-FDD (WCDMA), CHEEK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 5	TSL Permittivity	41.8
Frequency [MHz] / Channel Number	836.6 / 4183	TSL Conductivity [S/m]	0.894
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	RightHead / HSL
Conversion Factor	8.91	Test Distance [mm]	0.00

DASY Configuration

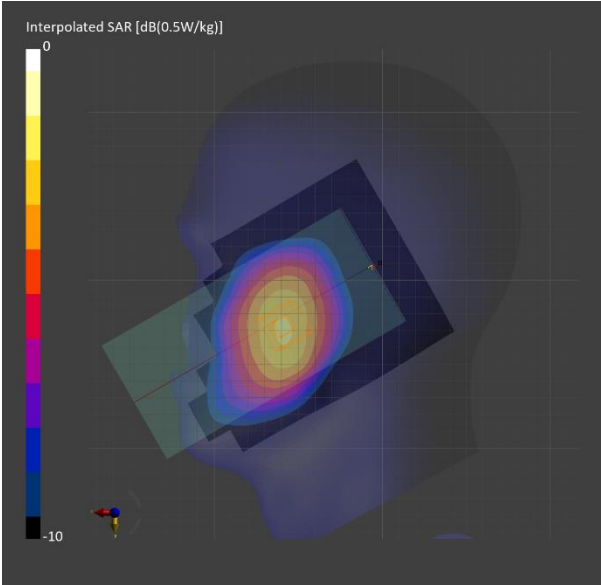
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 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
psSAR1g [W/Kg]	0.254	0.270
psSAR10g [W/Kg]	0.175	0.212
Power Drift [dB]		-0.05
Dist 3dB Peak [mm]		> 16.0
M2/M1 [%]		97.0



Band 5: UMTS-FDD (WCDMA), Rear

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 5	TSL Permittivity	41.8
Frequency [MHz] / Channel Number	836.6 / 4183	TSL Conductivity [S/m]	0.894
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.91	Test Distance [mm]	15.00

DASY Configuration

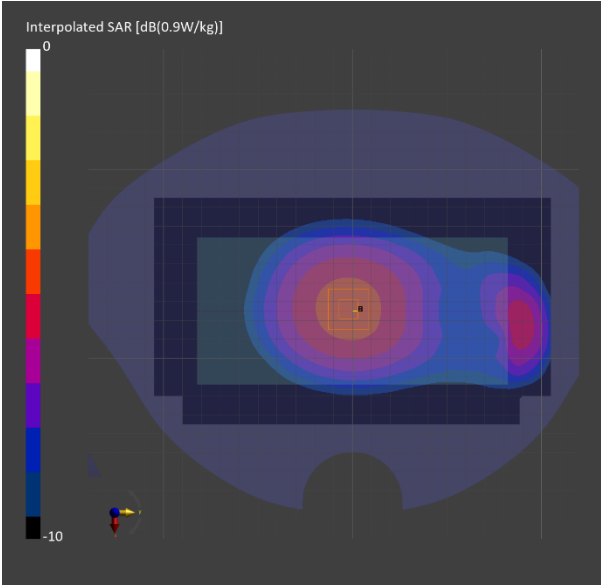
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 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
psSAR1g [W/Kg]	0.276	0.296
psSAR10g [W/Kg]	0.195	0.235
Power Drift [dB]		-0.02
Dist 3dB Peak [mm]		> 16.0
M2/M1 [%]		94.1



Band 5: UMTS-FDD (WCDMA), Rear

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 5	TSL Permittivity	41.8
Frequency [MHz] / Channel Number	836.6 / 4183	TSL Conductivity [S/m]	0.894
Group / UID	WCDMA / 10011-CAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.91	Test Distance [mm]	10.00

DASY Configuration

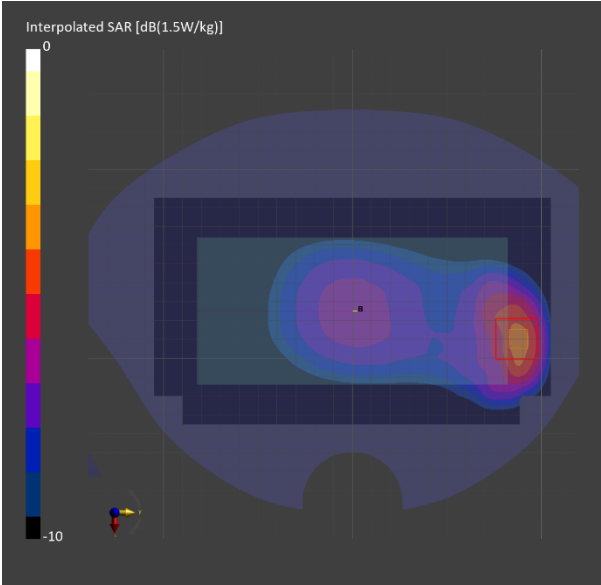
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 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
psSAR1g [W/Kg]	0.543	0.536
psSAR10g [W/Kg]	0.348	0.325
Power Drift [dB]		-0.03
Dist 3dB Peak [mm]		11.9
M2/M1 [%]		82.0



Band 2: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, CHEEK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 2	TSL Permittivity	39.4
Frequency [MHz] / Channel Number	1880.000 / 18900	TSL Conductivity [S/m]	1.37
Group / UID	LTE-FDD / 10169-CAF	Phantom Section / TSL	RightHead / Head Simulating Liquid
Conversion Factor	7.96	Test Distance [mm]	0.00

DASY Configuration

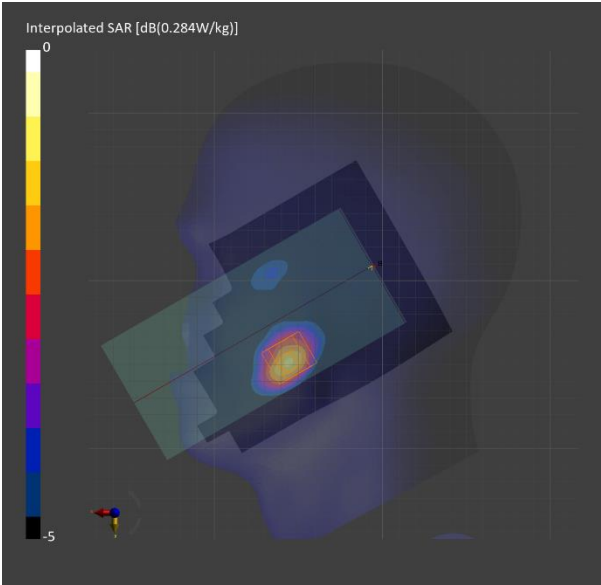
Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

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
psSAR1g [W/Kg]	0.174	0.186
psSAR10g [W/Kg]	0.101	0.115
Power Drift [dB]		0.02
Dist 3dB Peak [mm]		14.4
M2/M1 [%]		88.7



LTE Band 2

Frequency: 1880 MHz; Communication System Channel Number: 18900; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.445$ S/m; $\epsilon_r = 40.87$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.12, 8.43, 7.59) @ 1880 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/49 ch.18900 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.514 W/kg

Rear/QPSK RB 1/49 ch.18900 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.87 V/m; Power Drift = -0.06 dB

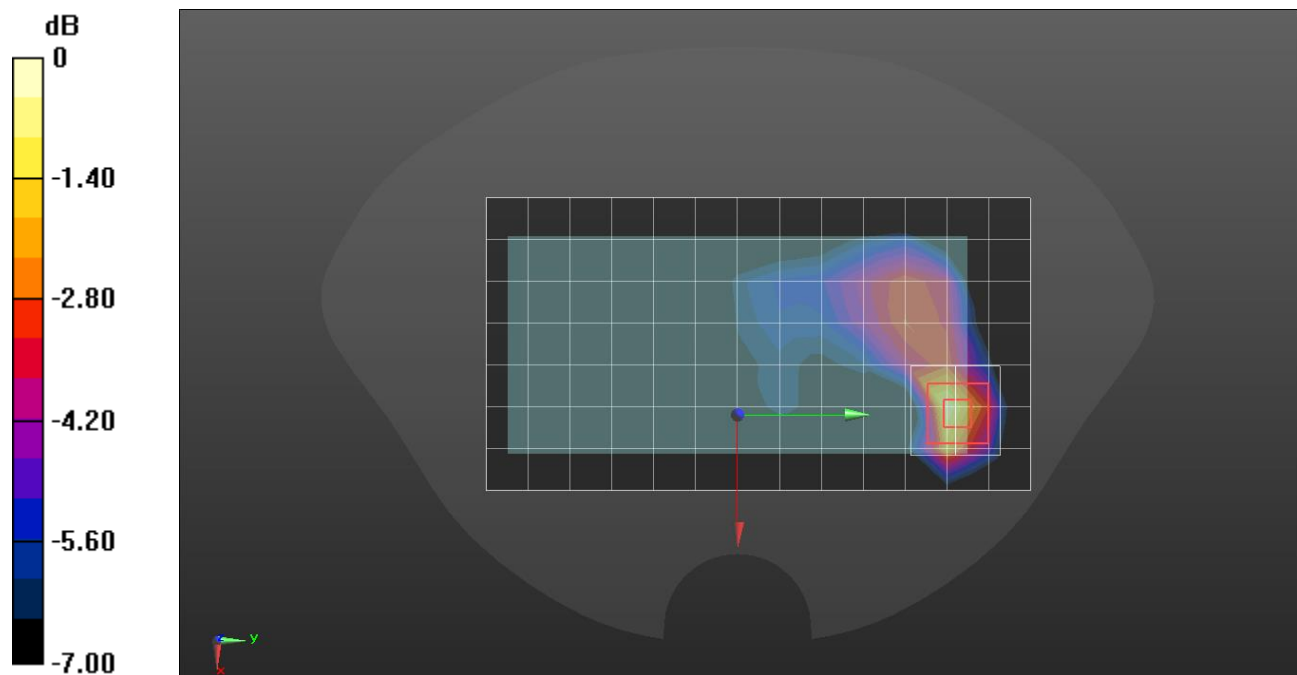
Peak SAR (extrapolated) = 0.652 W/kg

SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.199 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 58.9%

Maximum value of SAR (measured) = 0.561 W/kg



0 dB = 0.561 W/kg = -2.51 dBW/kg

LTE Band 2

Frequency: 1880 MHz; Communication System Channel Number: 18900; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.445$ S/m; $\epsilon_r = 40.87$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.12, 8.43, 7.59) @ 1880 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 1/49 ch.18900 /Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.697 W/kg

Bottom/QPSK RB 1/49 ch.18900 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.63 V/m; Power Drift = -0.04 dB

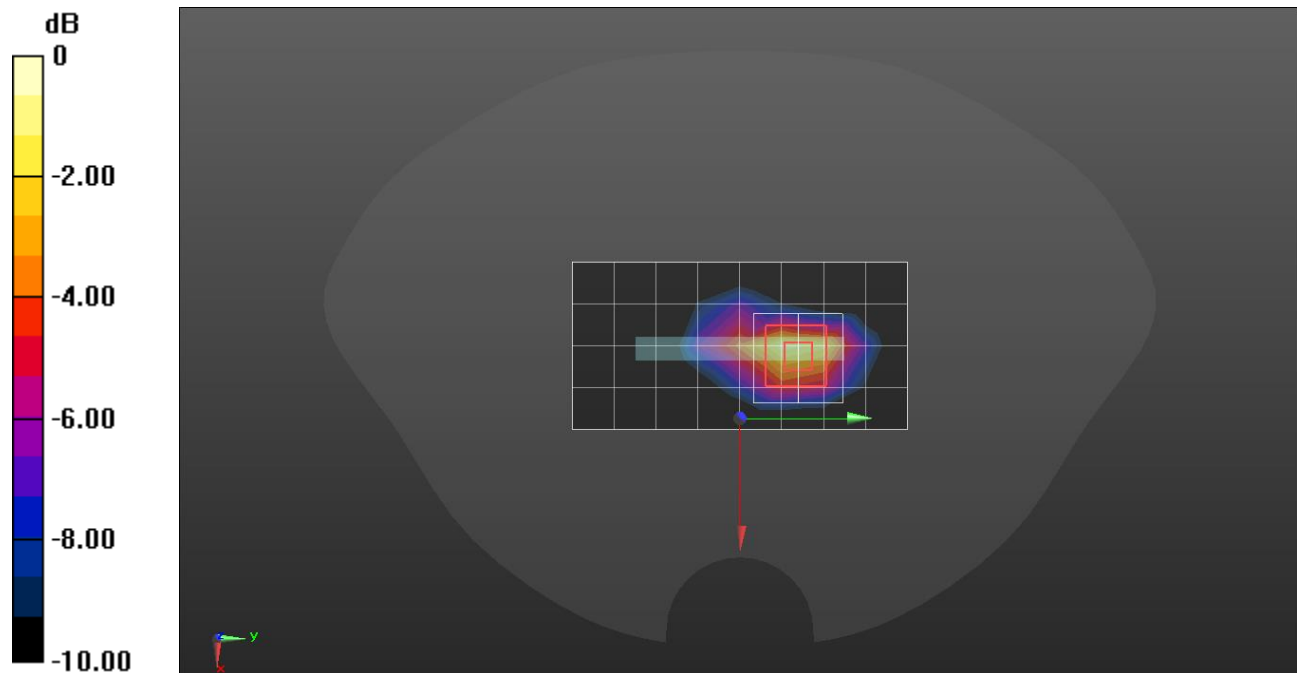
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.287 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.7%

Maximum value of SAR (measured) = 0.863 W/kg



0 dB = 0.863 W/kg = -0.64 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 41.377$; $\rho = 1000$ 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 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7330; ConvF(10.3, 9.05, 9.05) @ 707.5 MHz; Calibrated: 1/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Right Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS Touch/QPSK RB 1/25 ch.23095 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.228 W/kg

RHS Touch/QPSK RB 1/25 ch.23095 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.19 V/m; Power Drift = 0.01 dB

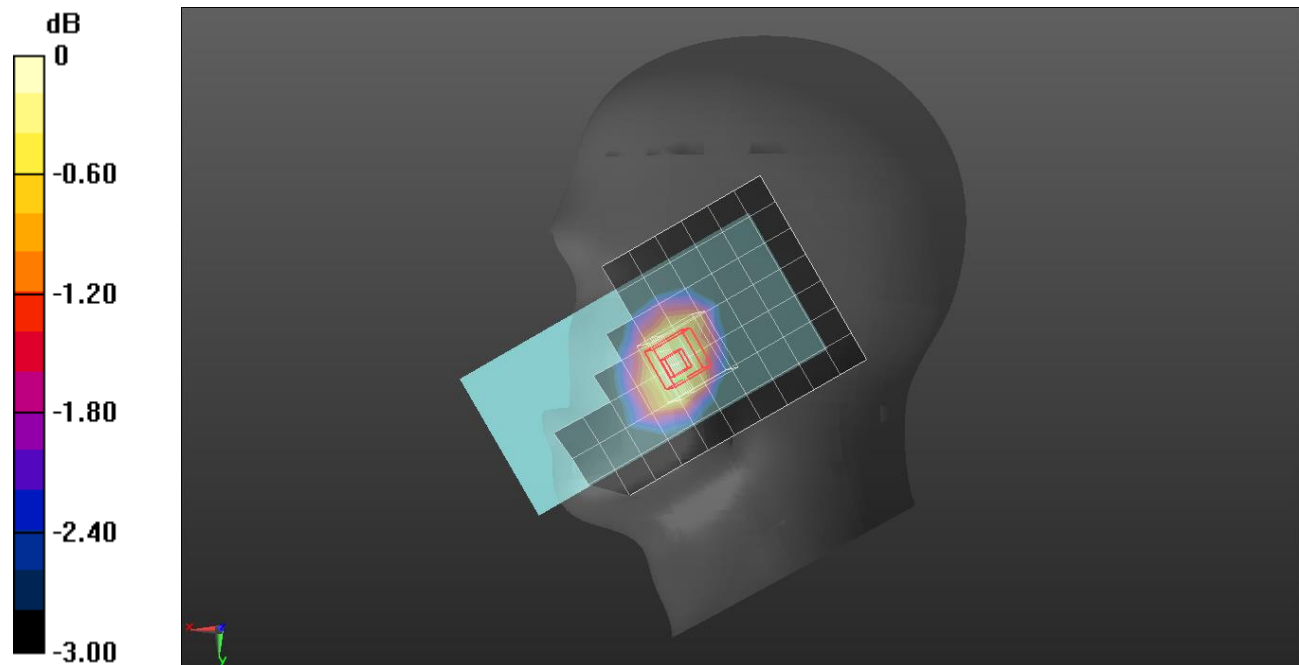
Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.164 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 81.8%

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dBW/kg

Band 12: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 12	TSL Permittivity	42.5
Frequency [MHz] / Channel Number	707.5 / 23095	TSL Conductivity [S/m]	0.864
Group / UID	LTE-FDD / 10175-CAH	Phantom Section / TSL	Flat / HSL
Conversion Factor	7.92	Test Distance [mm]	15.00

DASY Configuration

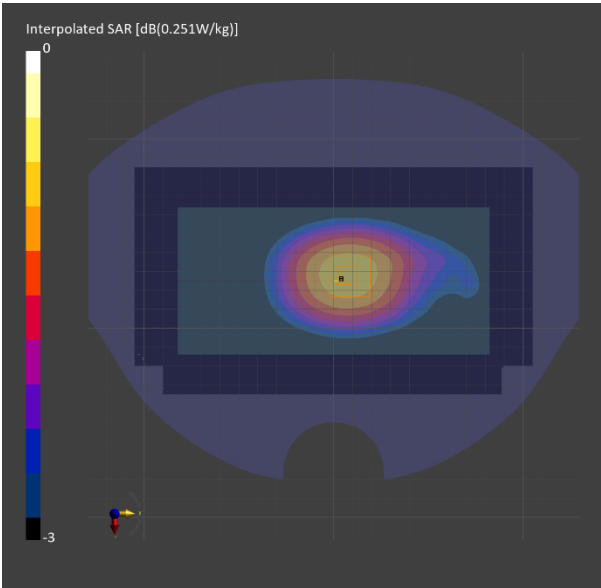
Probe Calibration Date	EX3DV4 - SN7645 2023-09-20	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.186	0.197
psSAR10g [W/Kg]	0.133	0.152
Power Drift [dB]		0.04
Dist 3dB Peak [mm]		> 15.0
M2/M1 [%]		90.6



LTE Band 12

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 41.377$; $\rho = 1000$ 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 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7330; ConvF(10.3, 9.05, 9.05) @ 707.5 MHz; Calibrated: 1/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/25 ch.23095 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.329 W/kg

Rear/QPSK RB 1/25 ch.23095 /Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.87 V/m; Power Drift = 0.11 dB

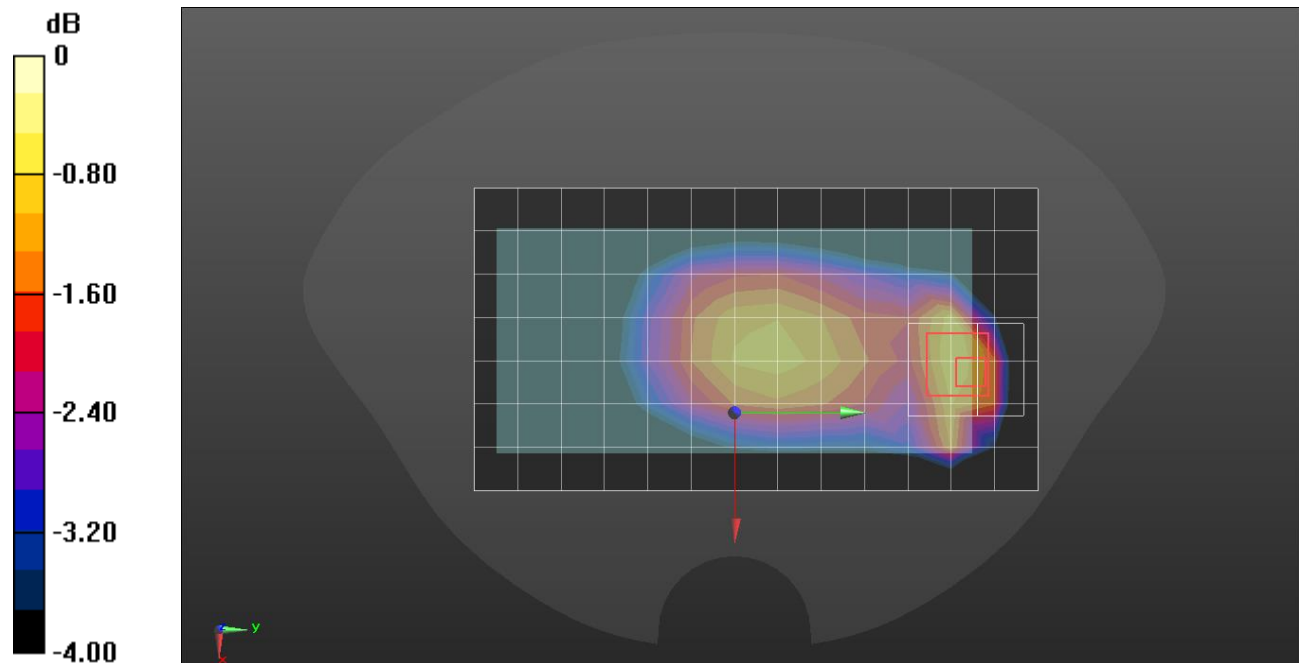
Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.166 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 54.9%

sMaximum value of SAR (measured) = 0.393 W/kg



0 dB = 0.393 W/kg = -4.06 dBW/kg

LTE Band 13

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.122$; $\rho = 1000$ 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 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7330; ConvF(10.3, 9.05, 9.05) @ 782 MHz; Calibrated: 1/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS Touch/QPSK RB 1/25 ch.23230 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.235 W/kg

RHS Touch/QPSK RB 1/25 ch.23230 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.32 V/m; Power Drift = -0.06 dB

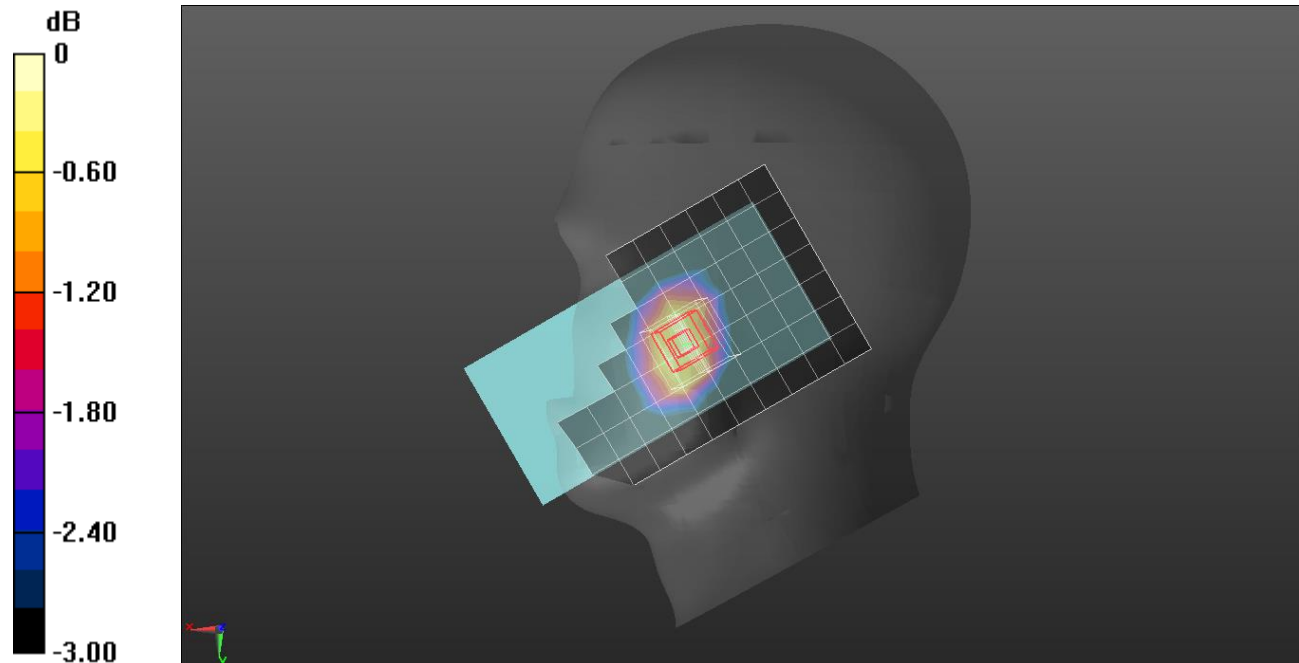
Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.170 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 83.9%

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg = -6.06 dBW/kg

Band 13: LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 13	TSL Permittivity	42.3
Frequency [MHz] / Channel Number	782.0 / 23230	TSL Conductivity [S/m]	0.889
Group / UID	LTE-FDD / 10175-CAH	Phantom Section / TSL	Flat / HSL
Conversion Factor	7.92	Test Distance [mm]	15.00

DASY Configuration

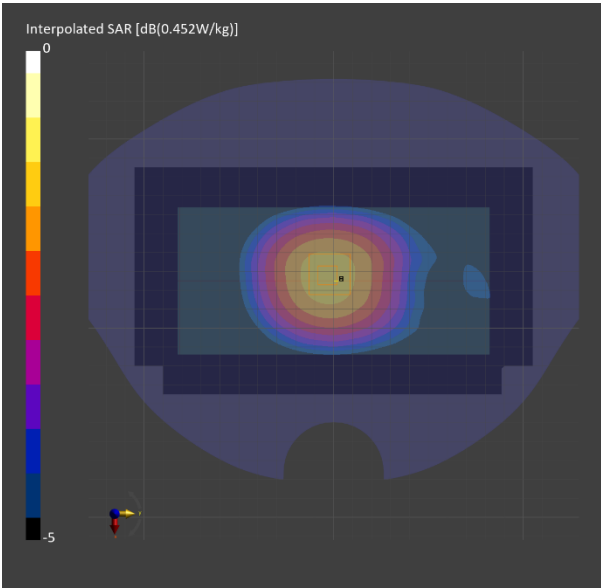
Probe Calibration Date	EX3DV4 - SN7645 2023-09-20	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.289	0.309
psSAR10g [W/Kg]	0.206	0.237
Power Drift [dB]		0.01
Dist 3dB Peak [mm]		> 15.0
M2/M1 [%]		91.8



LTE Band 13

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
 Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 782$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.122$; $\rho = 1000$ 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 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7330; ConvF(10.3, 9.05, 9.05) @ 782 MHz; Calibrated: 1/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/25 ch.23230 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm.
 Maximum value of SAR (measured) = 0.429 W/kg

Rear/QPSK RB 1/25 ch.23230 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.40 V/m; Power Drift = 0.02 dB

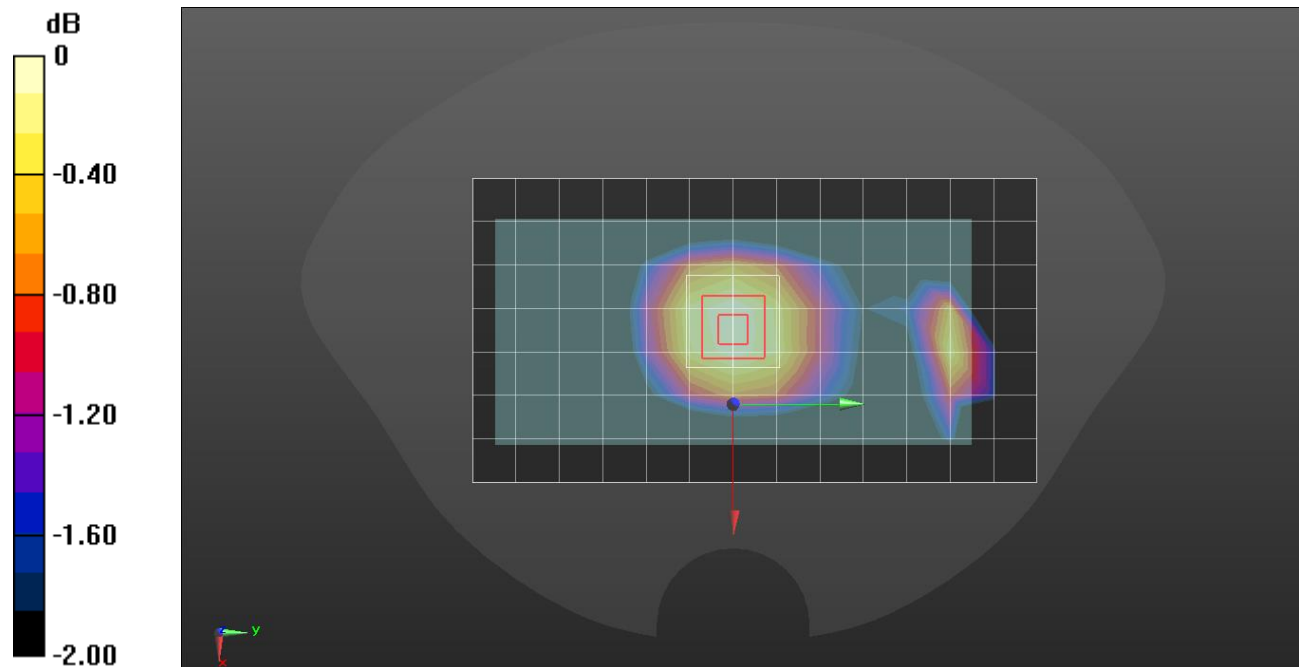
Peak SAR (extrapolated) = 0.459 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.283 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 79.4%.

Maximum value of SAR (measured) = 0.430 W/kg



0 dB = 0.430 W/kg = -3.67 dBW/kg

Band 26: LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, CHEEK
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 26	TSL Permittivity	42.8
Frequency [MHz] / Channel Number	831.5 / 26865	TSL Conductivity [S/m]	0.927
Group / UID	LTE-FDD / 10181-CAF	Phantom Section / TSL	RightHead / HSL
Conversion Factor	8.24	Test Distance [mm]	0.00

DASY Configuration

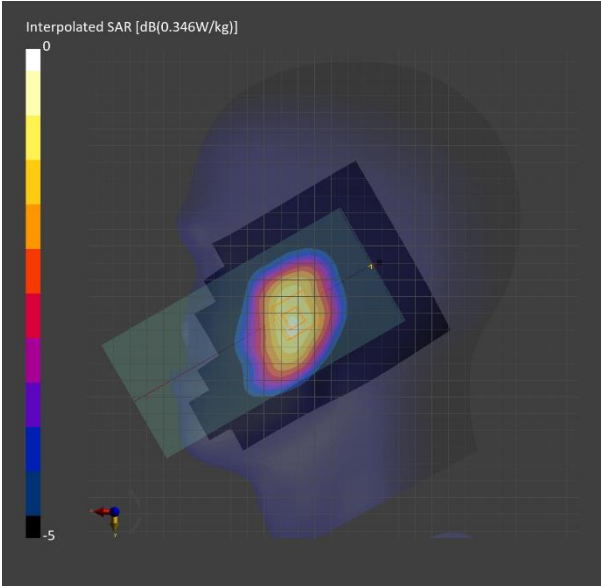
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.255	0.281
psSAR10g [W/Kg]	0.177	0.221
Power Drift [dB]		-0.01
Dist 3dB Peak [mm]		25.5
M2/M1 [%]		92.6



Band 26: LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 26	TSL Permittivity	42.8
Frequency [MHz] / Channel Number	831.5 / 26865	TSL Conductivity [S/m]	0.927
Group / UID	LTE-FDD / 10181-CAF	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.24	Test Distance [mm]	15.00

DASY Configuration

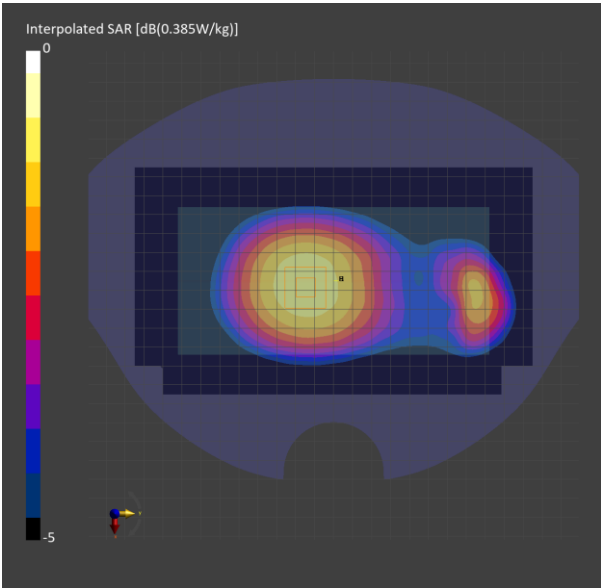
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.278	0.296
psSAR10g [W/Kg]	0.197	0.230
Power Drift [dB]		0.00
Dist 3dB Peak [mm]		> 15.0
M2/M1 [%]		90.5



Band 26: LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 26	TSL Permittivity	42.8
Frequency [MHz] / Channel Number	831.5 / 26865	TSL Conductivity [S/m]	0.927
Group / UID	LTE-FDD / 10181-CAF	Phantom Section / TSL	Flat / HSL
Conversion Factor	8.24	Test Distance [mm]	10.00

DASY Configuration

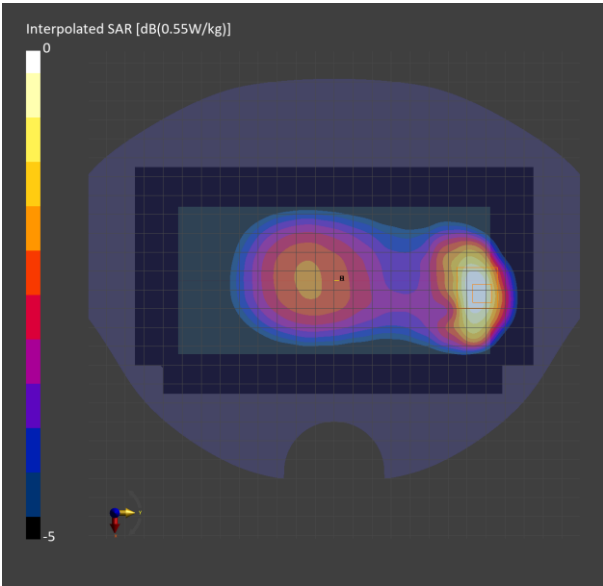
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.469	0.480
psSAR10g [W/Kg]	0.303	0.290
Power Drift [dB]		-0.01
Dist 3dB Peak [mm]		12.0
M2/M1 [%]		78.8



LTE Band 41

Frequency: 2593 MHz; Communication System Channel Number: 40620; Duty Cycle: 1:1.59956

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

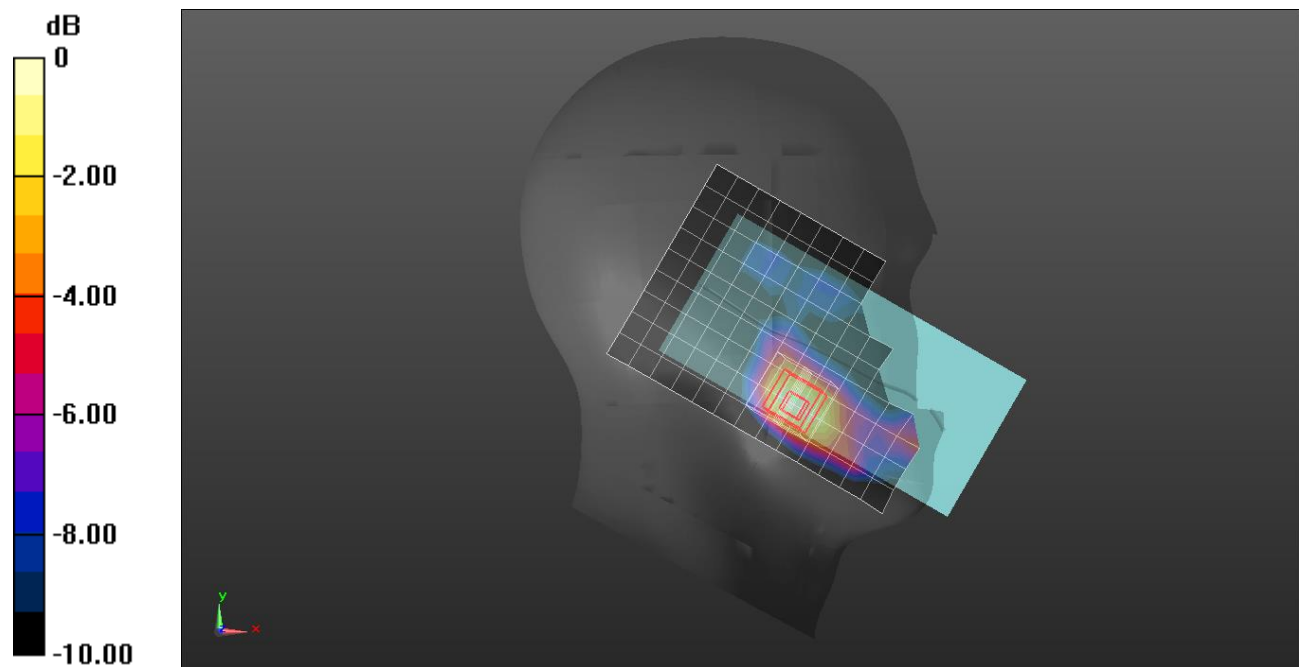
Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 37.854$; $\rho = 1000$ kg/m³

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 Sn1591; Calibrated: 2024-02-16
- Probe: EX3DV4 - SN7330; ConvF(8.11, 7.27, 7.17) @ 2593 MHz; Calibrated: 2024-01-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Left Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LHS Touch/QPSK RB 1/49 ch.40620 /Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.360 W/kg

LHS Touch/QPSK RB 1/49 ch.40620 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.88 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.113 W/kg
Smallest distance from peaks to all points 3 dB below = 11.7 mm
Ratio of SAR at M2 to SAR at M1 = 61.7%
Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Band 41: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid
AntennaCfg:SISO, Rear

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 41	TSL Permittivity	38.5
Frequency [MHz] / Channel Number	2593.0 / 40620	TSL Conductivity [S/m]	1.91
Group / UID	LTE-TDD / 10435-AAG	Phantom Section / TSL	Flat / HSL
Conversion Factor	7.11	Test Distance [mm]	15.00

DASY Configuration

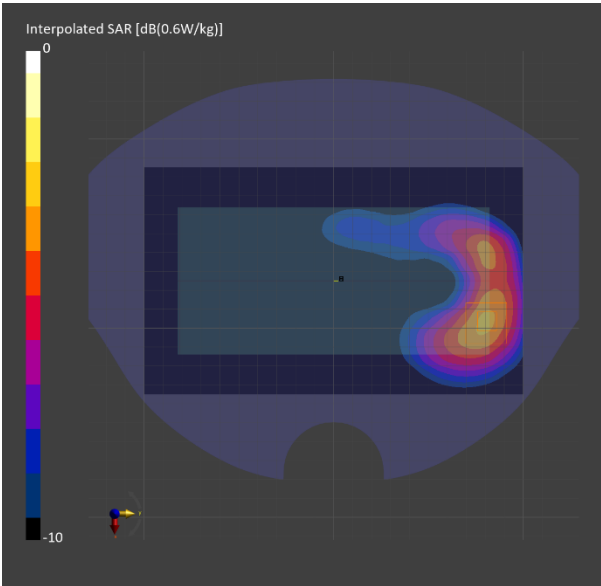
Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.236	0.237
psSAR10g [W/Kg]	0.128	0.130
Power Drift [dB]		-0.01
Dist 3dB Peak [mm]		15.0
M2/M1 [%]		81.4



LTE Band 41

Frequency: 2593 MHz; Communication System Channel Number: 40620; Duty Cycle: 1:1.59956

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 37.854$; $\rho = 1000$ 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 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7330; ConvF(8.11, 7.27, 7.17) @ 2593 MHz; Calibrated: 1/22/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Middle); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/24 ch.40620 /Area Scan (10x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.576 W/kg

Bottom/QPSK RB 50/24 ch.40620 /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.99 V/m; Power Drift = 0.02 dB

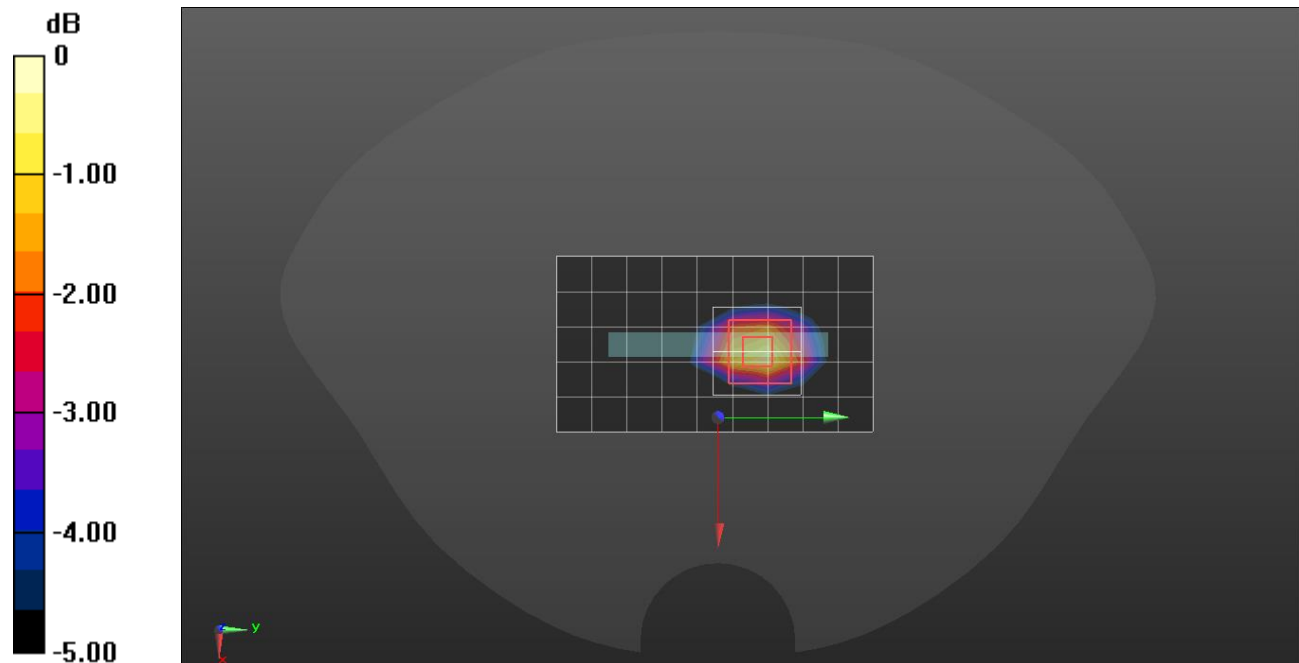
Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.193 W/kg

Smallest distance from peaks to all points 3 dB below = 11.7 mm

Ratio of SAR at M2 to SAR at M1 = 50.5%

Maximum value of SAR (measured) = 0.622 W/kg



0 dB = 0.622 W/kg = -2.06 dBW/kg

Band 66: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO, CHEEK
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Band 66	TSL Permittivity	39.4
Frequency [MHz] / Channel Number	1770.000 / 132572	TSL Conductivity [S/m]	1.32
Group / UID	LTE-FDD / 10169-CAF	Phantom Section / TSL	LeftHead / Head Simulating Liquid
Conversion Factor	8.25	Test Distance [mm]	0.00

DASY Configuration

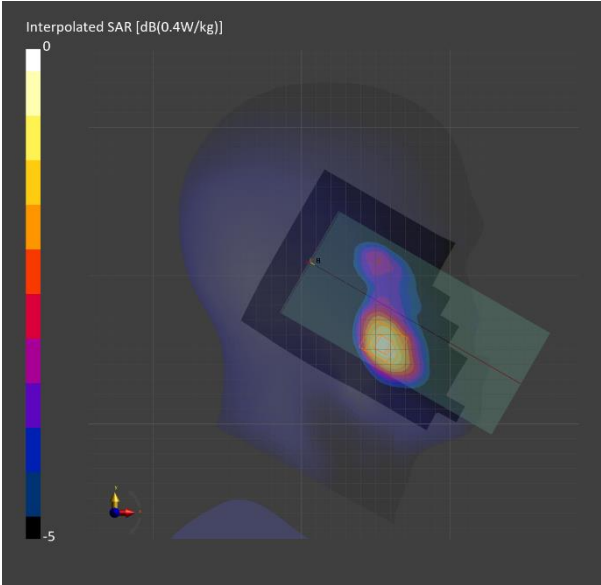
Probe Calibration Date	EX3DV4 - SN7314 2024-05-23	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1668 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

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
psSAR1g [W/Kg]	0.296	0.314
psSAR10g [W/Kg]	0.178	0.200
Power Drift [dB]		-0.02
Dist 3dB Peak [mm]		15.2
M2/M1 [%]		88.7



LTE Band 66

Frequency: 1770 MHz; Communication System Channel Number: 132572; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 40.956$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1770 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/49 ch.132572 /Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.916 W/kg

Rear/QPSK RB 1/49 ch.132572 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.05 V/m; Power Drift = -0.00 dB

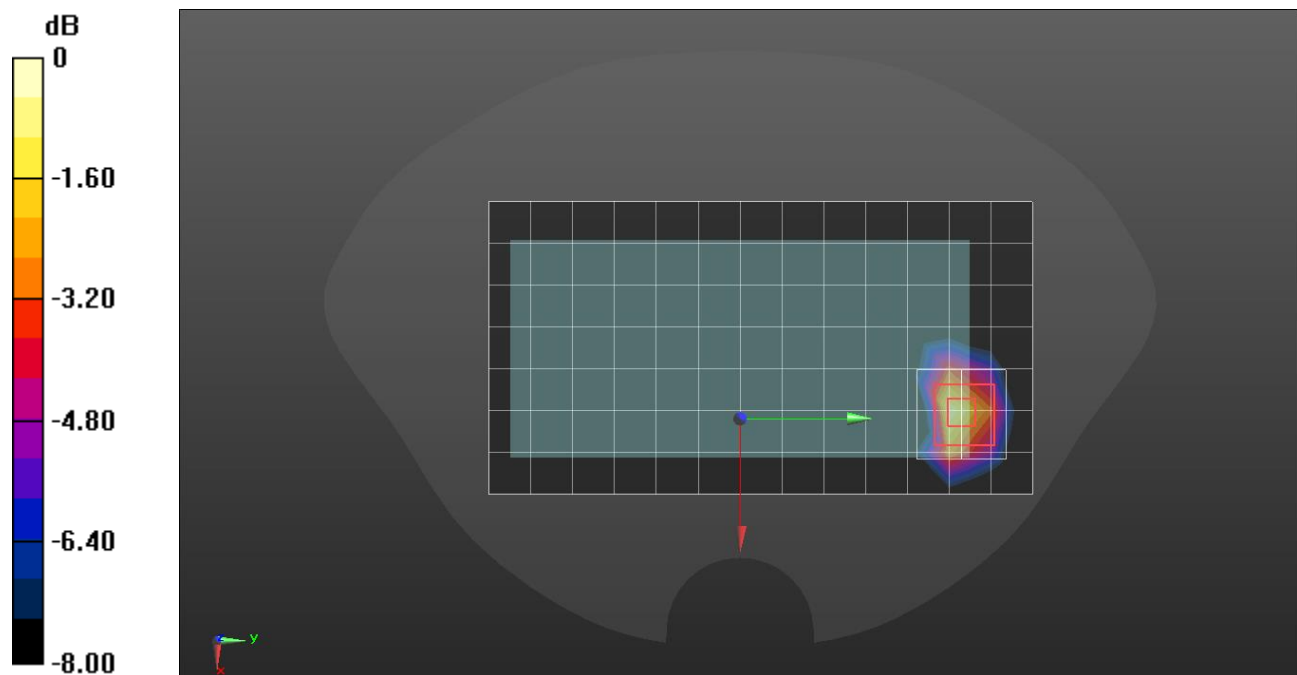
Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.348 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 56.9%

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

LTE Band 66

Frequency: 1770 MHz; Communication System Channel Number: 132572; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

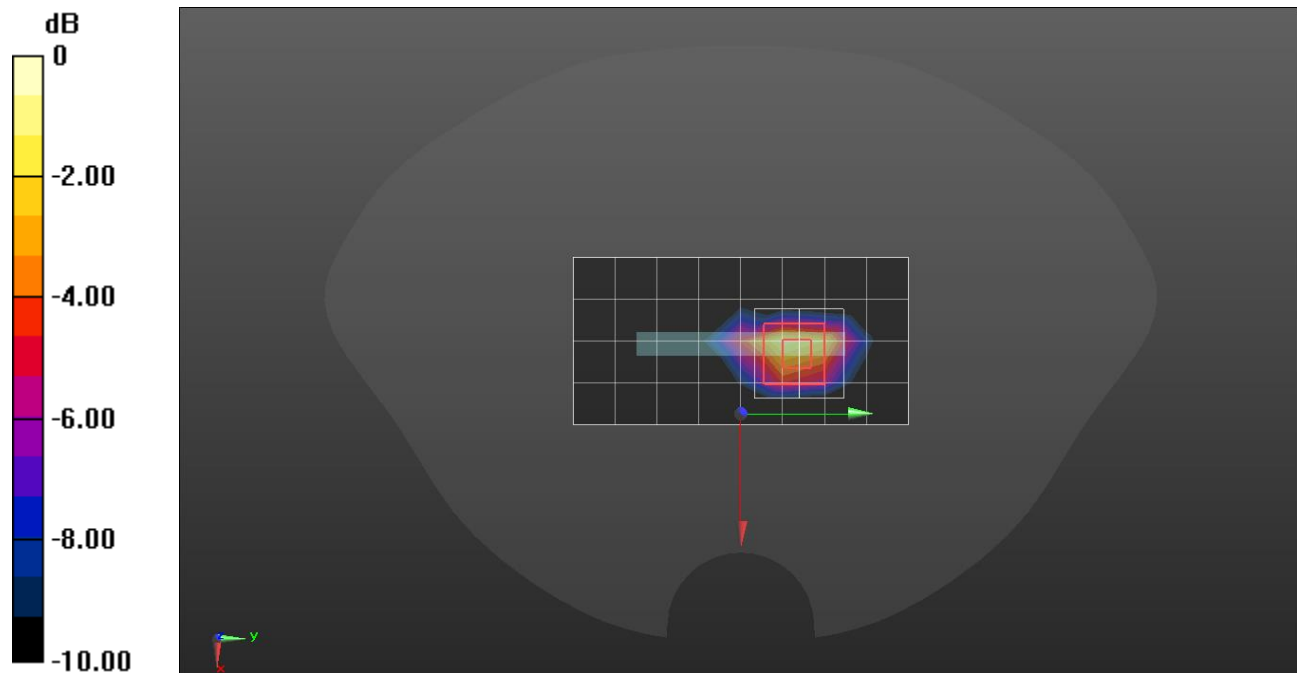
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.386$ S/m; $\epsilon_r = 40.956$; $\rho = 1000$ kg/m³

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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1770 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 1/49 ch.132572 /Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.893 W/kg

Bottom/QPSK RB 1/49 ch.132572 /Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.81 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.346 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

LTE Band 66

Frequency: 1770 MHz; Communication System Channel Number: 132572; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 1770$ MHz; $\sigma = 1.378$ S/m; $\epsilon_r = 41.346$; $\rho = 1000$ 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 Sn1343; Calibrated: 2024-07-12
- Probe: EX3DV4 - SN7651; ConvF(8.56, 8.93, 8.03) @ 1770 MHz; Calibrated: 2024-03-18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Phantom section: Flat Section; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/49 ch.132572/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.39 W/kg

Rear/QPSK RB 1/49 ch.132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.99 V/m; Power Drift = -0.09 dB

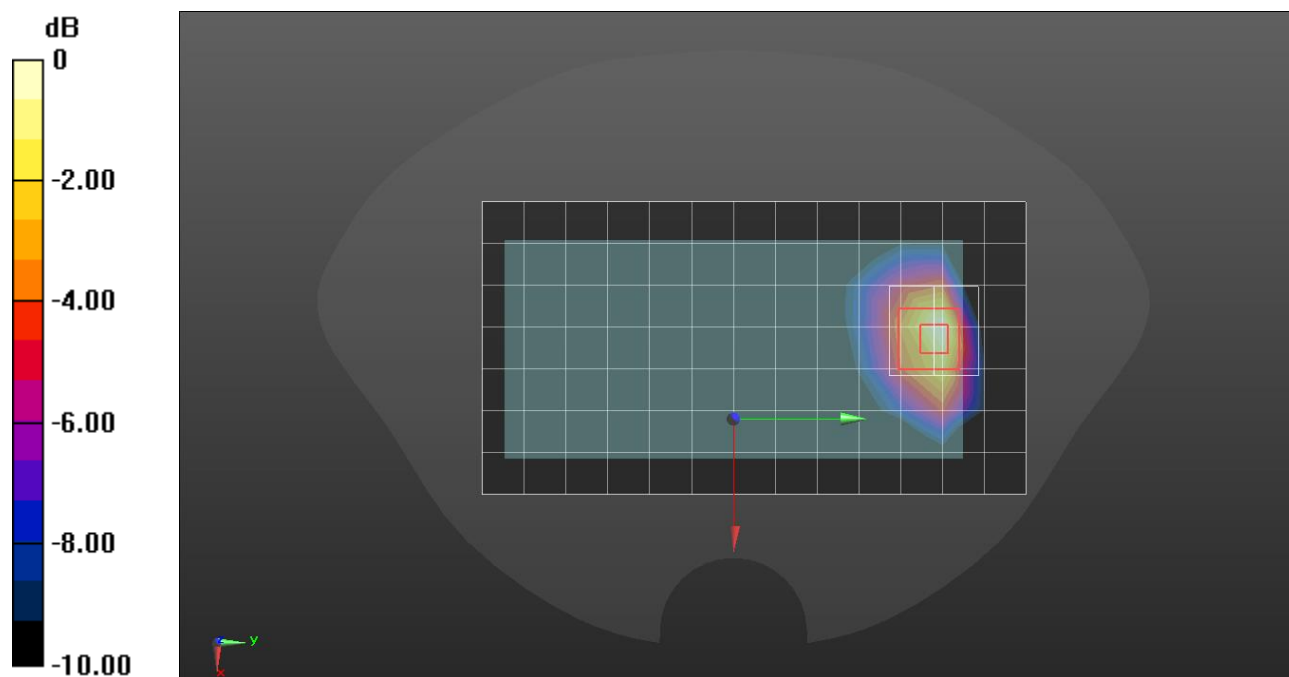
Peak SAR (extrapolated) = 5.72 W/kg

SAR(1 g) = 2.66 W/kg; SAR(10 g) = 1.35 W/kg

Smallest distance from peaks to all points 3 dB below = 8.2 mm

Ratio of SAR at M2 to SAR at M1 = 38.7%

Maximum value of SAR (measured) = 3.94 W/kg



0 dB = 3.94 W/kg = 5.95 dBW/kg

WLAN 2.4GHz: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), CHEEK
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	40.0
Frequency [MHz] / Channel Number	2412.0 / 1	TSL Conductivity [S/m]	1.79
Group / UID	WLAN / 10415-AAA	Phantom Section / TSL	RightHead / HSL
Conversion Factor	6.92	Test Distance [mm]	0.00

DASY Configuration

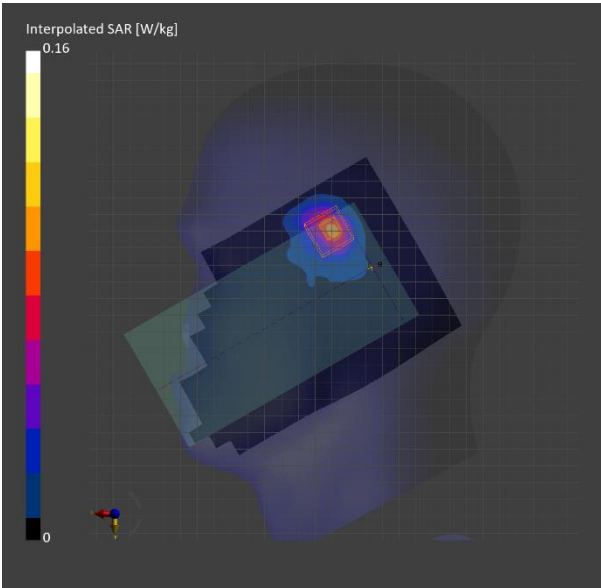
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.076	0.079
psSAR10g [W/Kg]	0.034	0.035
Power Drift [dB]		-0.03
Dist 3dB Peak [mm]		8.2
M2/M1 [%]		83.9



WLAN 2.4GHz: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	40.0
Frequency [MHz] / Channel Number	2412.0 / 1	TSL Conductivity [S/m]	1.79
Group / UID	WLAN / 10415-AAA	Phantom Section / TSL	Flat / HSL
Conversion Factor	6.92	Test Distance [mm]	15.00

DASY Configuration

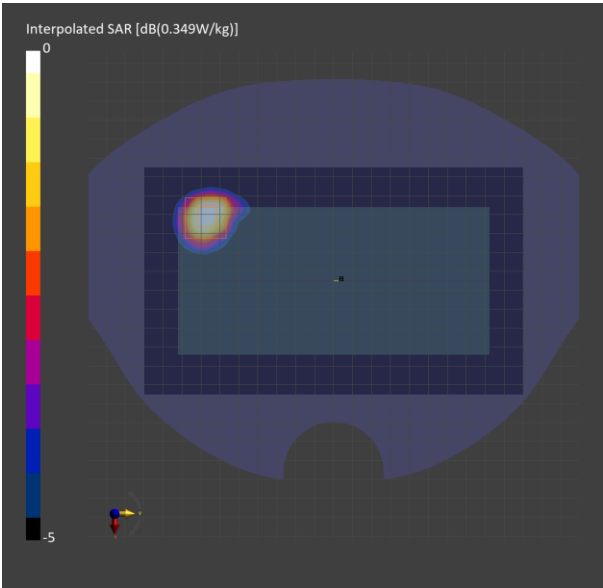
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.280	0.295
psSAR10g [W/Kg]	0.141	0.146
Power Drift [dB]		-0.02
Dist 3dB Peak [mm]		11.2
M2/M1 [%]		82.4



WLAN 2.4GHz: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	40.0
Frequency [MHz] / Channel Number	2412.0 / 1	TSL Conductivity [S/m]	1.79
Group / UID	WLAN / 10415-AAA	Phantom Section / TSL	Flat / HSL
Conversion Factor	6.92	Test Distance [mm]	10.00

DASY Configuration

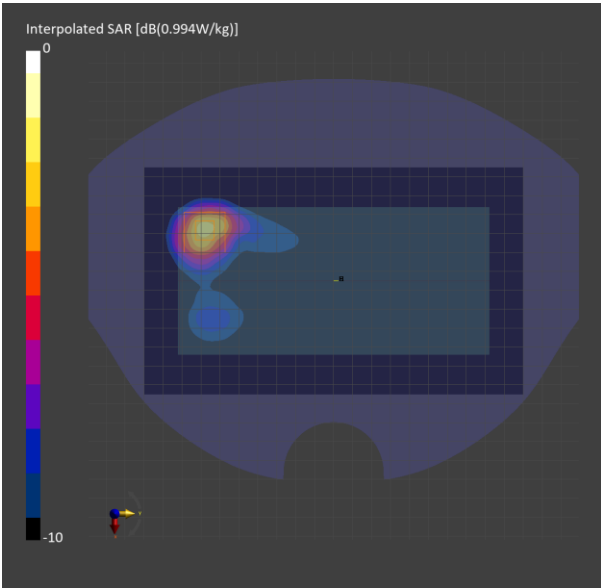
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.477	0.496
psSAR10g [W/Kg]	0.228	0.235
Power Drift [dB]		0.02
Dist 3dB Peak [mm]		9.5
M2/M1 [%]		80.8



U-NII-1, U-NII-2A: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), BACK

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	U-NII-1, U-NII-2A	TSL Permittivity	36.3
Frequency [MHz] / Channel Number	5180.0 / 36	TSL Conductivity [S/m]	4.58
Group / UID	WLAN / 10417-AAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	5.59	Test Distance [mm]	10.00

DASY Configuration

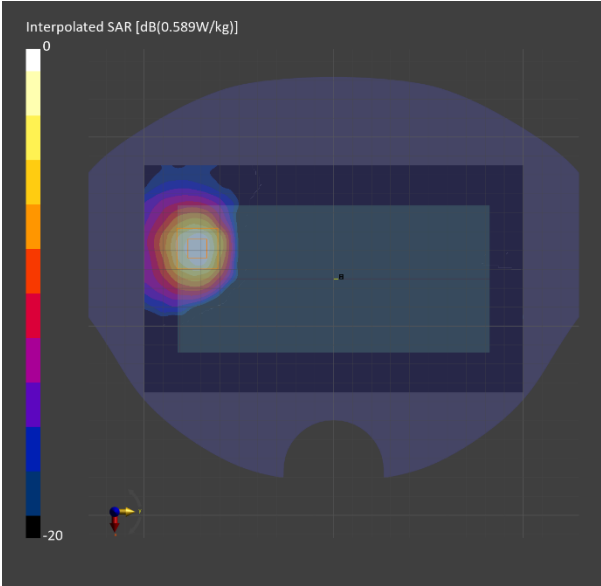
Probe Calibration Date	EX3DV4 - SN7651 2024-03-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.416	0.466
psSAR10g [W/Kg]	0.142	0.147
Power Drift [dB]		-0.08
Dist 3dB Peak [mm]		8.0
M2/M1 [%]		65.2



Wi-Fi 5.3 GHz 0902

Frequency: 5290 MHz; Communication System Channel Number: 58; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5290$ MHz; $\sigma = 4.669$ S/m; $\epsilon_r = 37.377$; $\rho = 1000$ 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 Sn1494; Calibrated: 2024-07-15
- Probe: EX3DV4 - SN7652; ConvF(5.68, 5.61, 5.97) @ 5290 MHz; Calibrated: 2024-04-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt 802.11 ac mode VHT 80 ch.58/Area Scan (11x22x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.192 W/kg

RHS/Tilt 802.11 ac mode VHT 80 ch.58/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.983 V/m; Power Drift = 0.06 dB

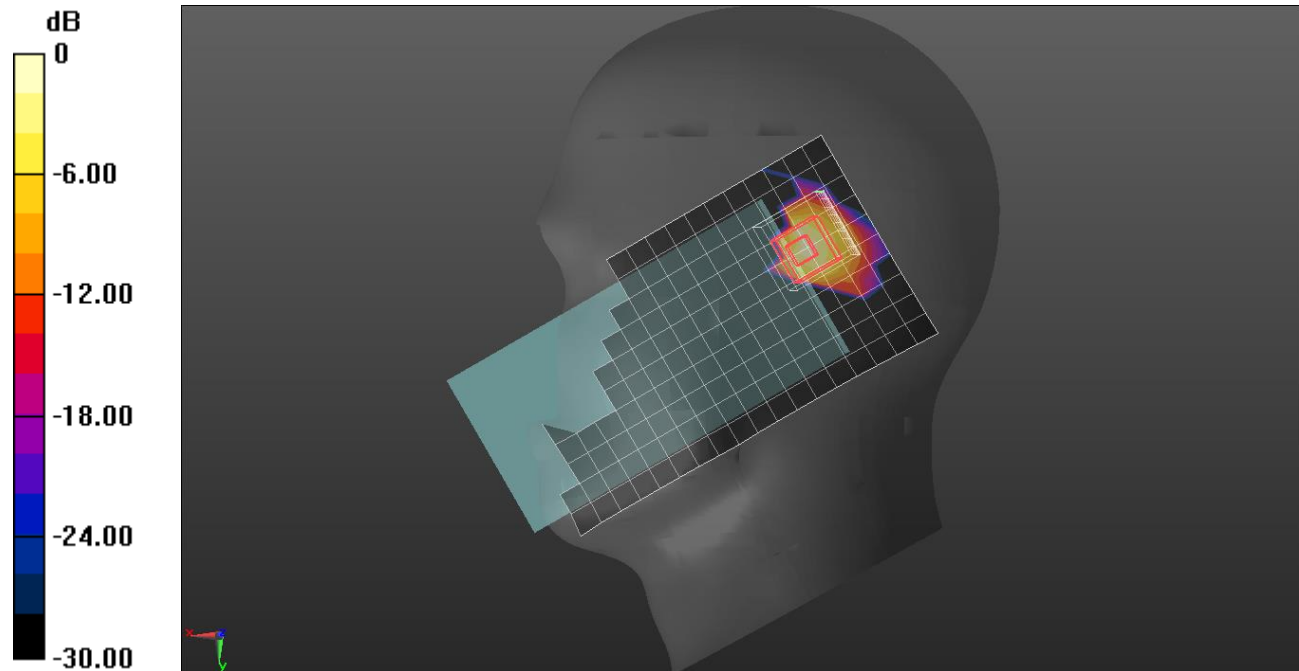
Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.020 W/kg

Smallest distance from peaks to all points 3 dB below = 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 63.5%

Maximum value of SAR (measured) = 0.195 W/kg



0 dB = 0.195 W/kg = -7.17 dBW/kg

Wi-Fi 5.3 GHz

Frequency: 5300 MHz; Communication System Channel Number: 60; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 5300 \text{ MHz}$; $\sigma = 4.609 \text{ S/m}$; $\epsilon_r = 36.366$; $\rho = 1000 \text{ kg/m}^3$

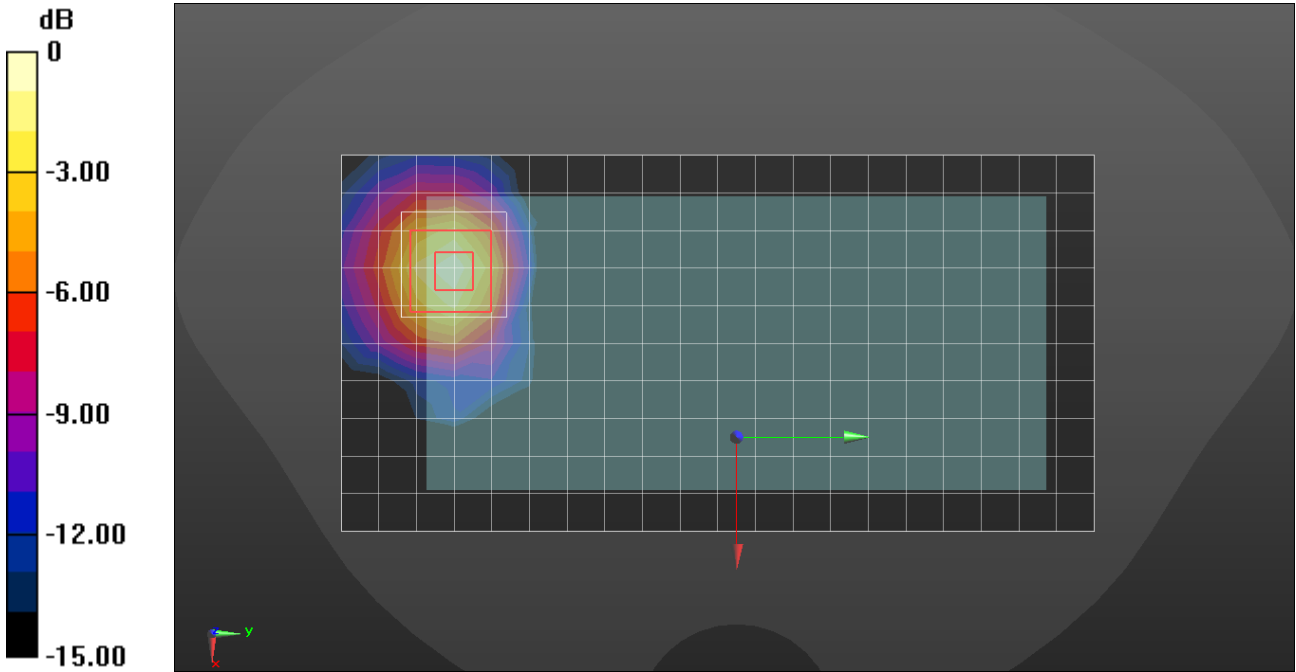
- DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
 - Electronics: DAE4 Sn1494; Calibrated: 2024-07-15
 - Probe: EX3DV4 - SN7652; ConvF(5.68, 5.61, 5.97) @ 5300 MHz; Calibrated: 2024-04-22
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
 - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 a mode ch.60/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.618 W/kg

Rear/802.11 a mode ch.60/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.81 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.099 W/kg
Smallest distance from peaks to all points 3 dB below = 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 64.4%
Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.09 dBW/kg

Wi-Fi 5.3 GHz

Frequency: 5300 MHz; Communication System Channel Number: 60; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 36.366$; $\rho = 1000$ 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 Sn1494; Calibrated: 2024-07-15
- Probe: EX3DV4 - SN7652; ConvF(5.68, 5.61, 5.97) @ 5300 MHz; Calibrated: 2024-04-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 a mode ch.60/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 11.5 W/kg

Rear/802.11 a mode ch.60/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 60.13 V/m; Power Drift = -0.18 dB

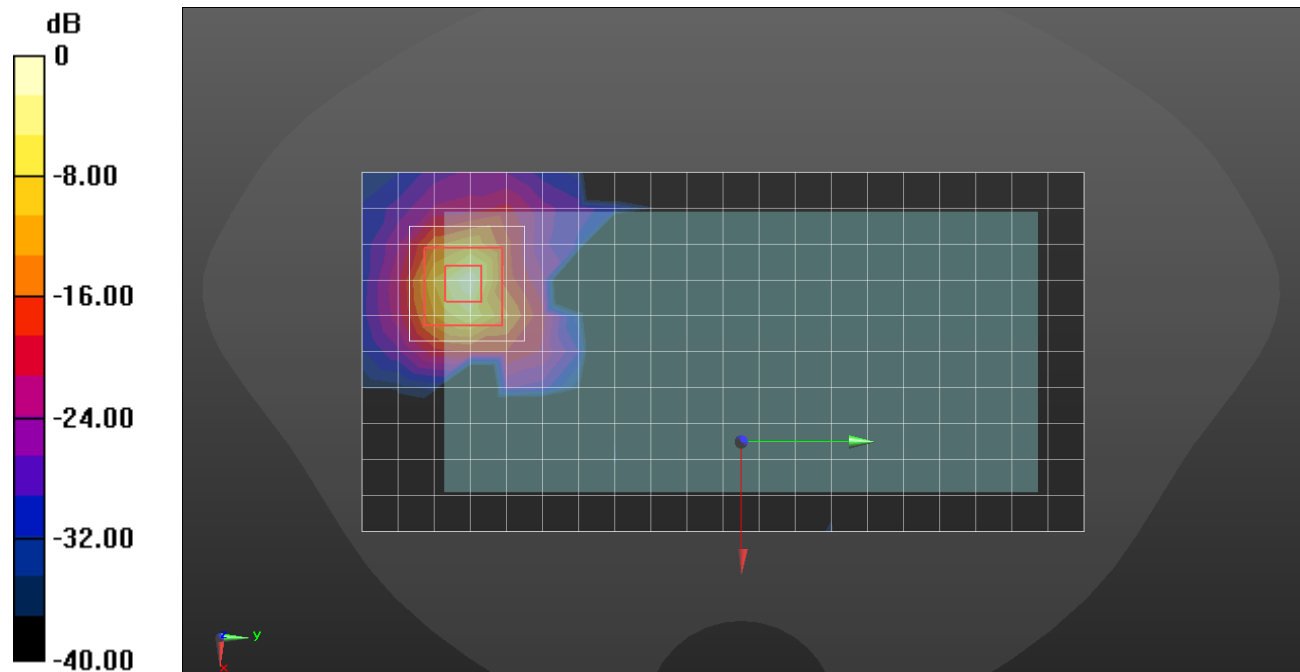
Peak SAR (extrapolated) = 30.3 W/kg

SAR(1 g) = 4.86 W/kg; SAR(10 g) = 0.915 W/kg

Smallest distance from peaks to all points 3 dB below = 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 60%

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



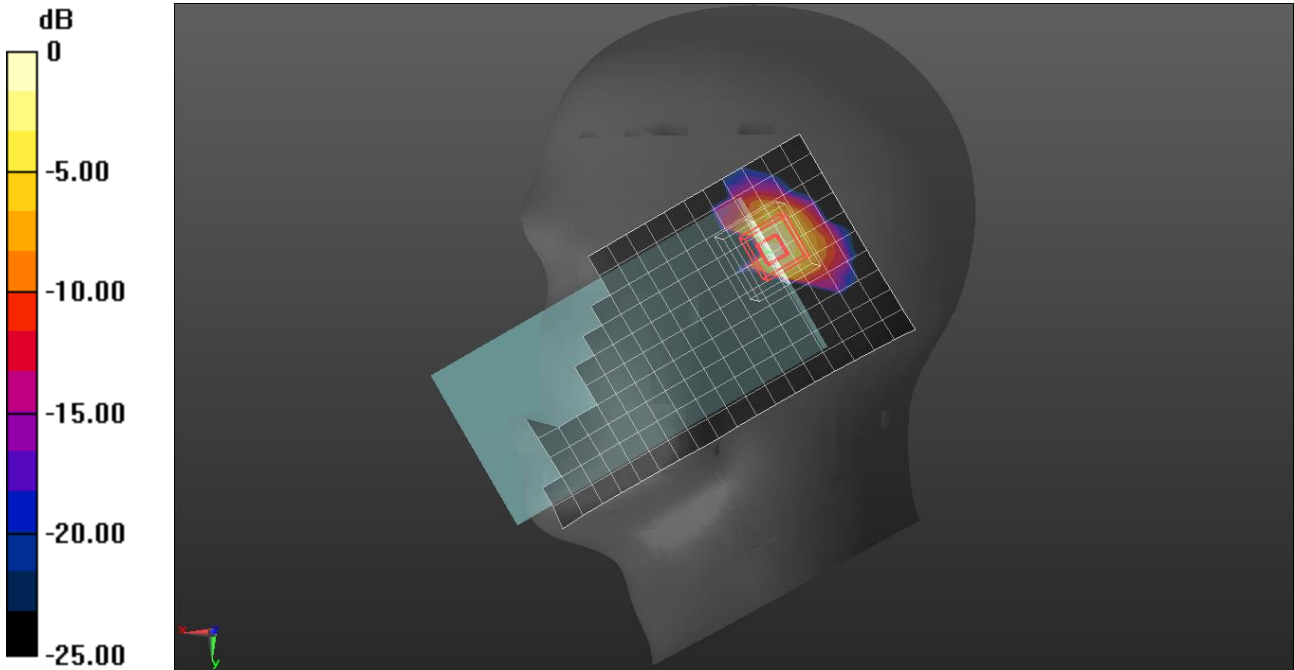
Wi-Fi 5.5 GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): $f = 5610\text{ MHz}$; $\sigma = 4.898\text{ S/m}$; $\epsilon_r = 35.916$; $\rho = 1000\text{ kg/m}^3$

- 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 Sn1494; Calibrated: 2024-07-15
 - Probe: EX3DV4 - SN7652; ConvF(4.87, 4.82, 5.14) @ 5610 MHz; Calibrated: 2024-04-22
 - Sensor-Surface: 1.4mm (Mechanical Surface Detection)
 - Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Right Section ; Type: QD 000 P40 CD
 - Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

RHS/Tilt 802.11 ac mode VHT 80 ch.122/Area Scan (11x22x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.258 W/kg

RHS/Tilt 802.11 ac mode VHT 80 ch.122/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 8.119 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.446 W/kg
SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.031 W/kg
Smallest distance from peaks to all points 3 dB below = 7.9 mm
Ratio of SAR at M2 to SAR at M1 = 60.8%
Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.88 dBW/kg

Wi-Fi 5.5 GHz

Frequency: 5500 MHz; Communication System Channel Number: 100; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.786$ S/m; $\epsilon_r = 36.11$; $\rho = 1000$ 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 Sn1494; Calibrated: 2024-07-15
- Probe: EX3DV4 - SN7652; ConvF(4.87, 4.82, 5.14) @ 5500 MHz; Calibrated: 2024-04-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 a mode ch.100/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.10 W/kg

Rear/802.11 a mode ch.100/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.90 V/m; Power Drift = -0.08 dB

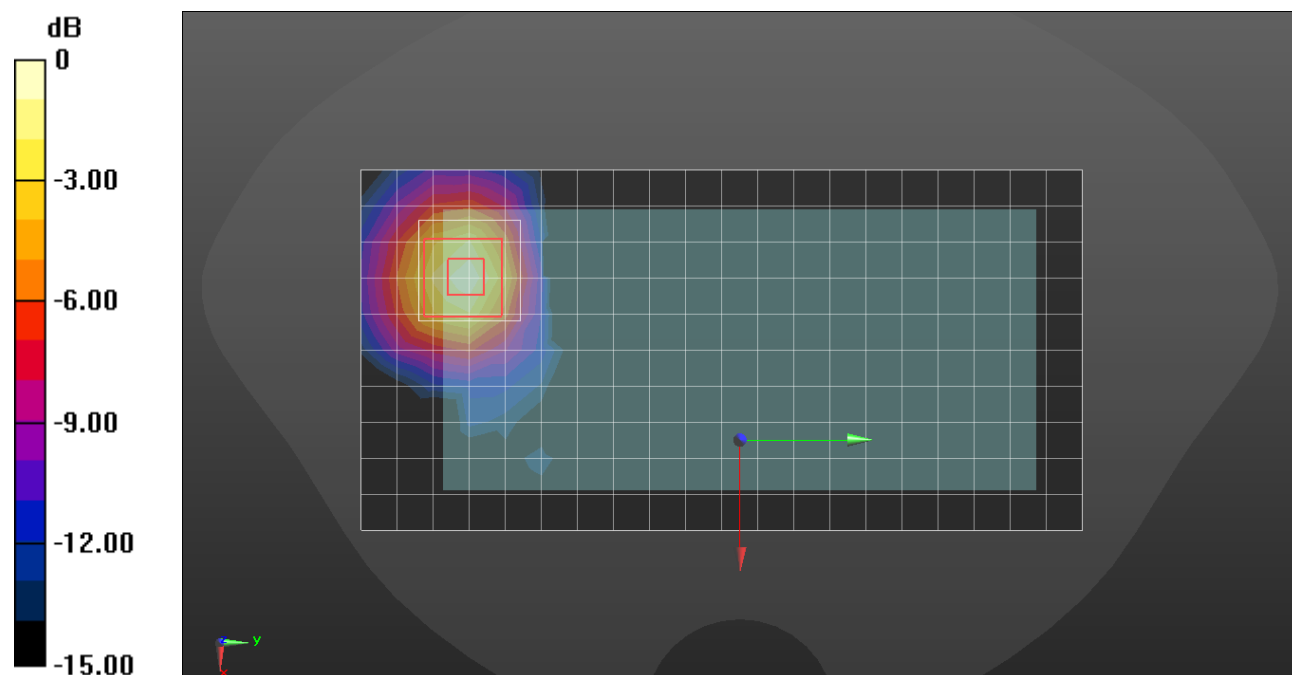
Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.177 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 65%

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.41 dBW/kg

Wi-Fi 5.5 GHz

Frequency: 5500 MHz; Communication System Channel Number: 100; Duty Cycle: 1:1

Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.786$ S/m; $\epsilon_r = 36.11$; $\rho = 1000$ kg/m³

DASY5 Configuration:

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- Electronics: DAE4 Sn1494; Calibrated: 2024-07-15
- Probe: EX3DV4 - SN7652; ConvF(4.87, 4.82, 5.14) @ 5500 MHz; Calibrated: 2024-04-22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (20deg probe tilt); Phantom section: Flat Section ; Type: QD 000 P40 CD
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 a mode ch.100/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 10.7 W/kg

Rear/802.11 a mode ch.100/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 58.19 V/m; Power Drift = -0.16 dB

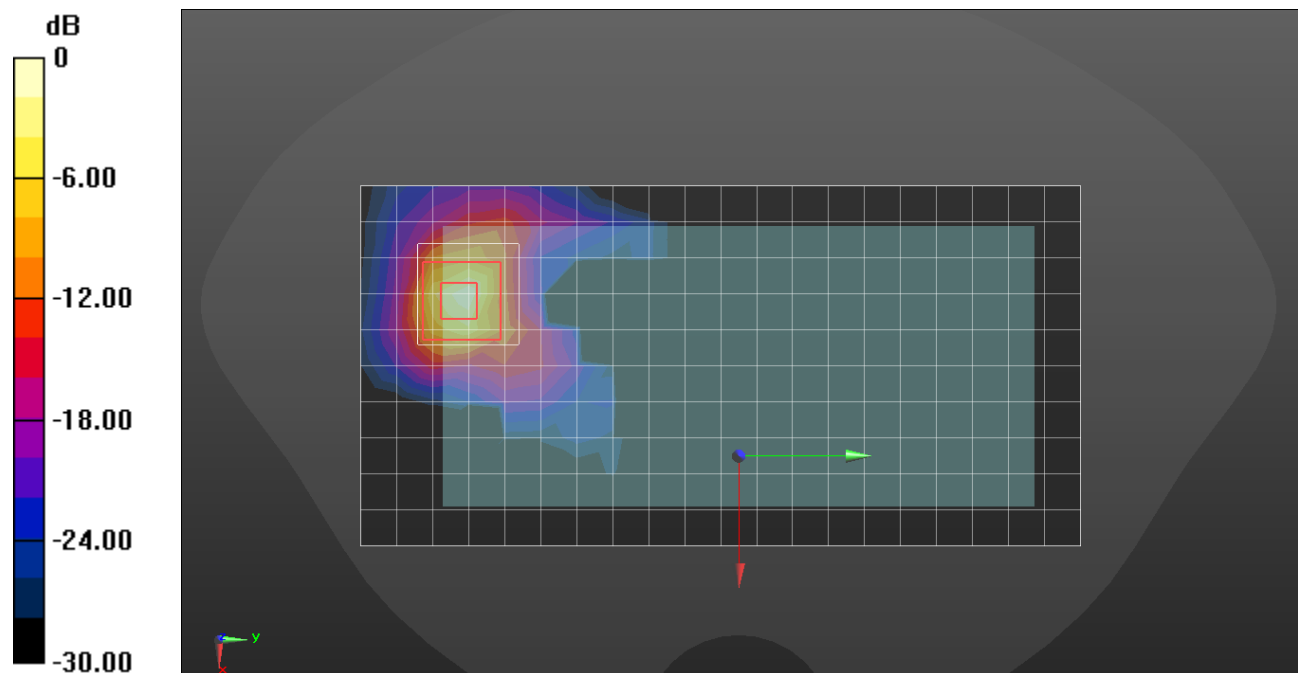
Peak SAR (extrapolated) = 34.9 W/kg

SAR(1 g) = 5.84 W/kg; SAR(10 g) = 1.18 W/kg

Smallest distance from peaks to all points 3 dB below = 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 60.2%

Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 10.29 dBW/kg

Custom Band: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle), TILT
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Custom Band	TSL Permittivity	35.4
Frequency [MHz] / Channel Number	5775.0 / 5775000	TSL Conductivity [S/m]	5.18
Group / UID	CW / 10544-AAC	Phantom Section / TSL	RightHead / HSL
Conversion Factor	5.03	Test Distance [mm]	0.00

DASY Configuration

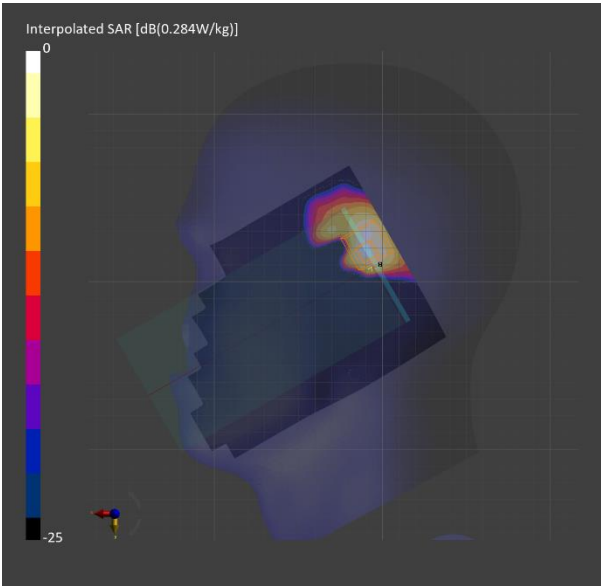
Probe Calibration Date	EX3DV4 - SN7645 2023-09-20	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.141	0.135
psSAR10g [W/Kg]	0.052	0.044
Power Drift [dB]		0.15
Dist 3dB Peak [mm]		7.6
M2/M1 [%]		64.5



U-NII-3 Standalone: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	U-NII-3 Standalone	TSL Permittivity	35.4
Frequency [MHz] / Channel Number	5785.0 / 157	TSL Conductivity [S/m]	5.19
Group / UID	WLAN / 10417-AAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	5.03	Test Distance [mm]	15.00

DASY Configuration

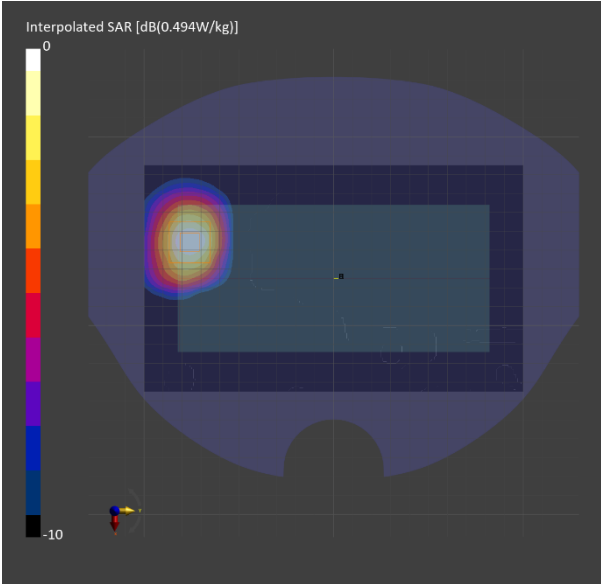
Probe Calibration Date	EX3DV4 - SN7645 2023-09-20	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.376	0.376
psSAR10g [W/Kg]	0.146	0.140
Power Drift [dB]		-0.03
Dist 3dB Peak [mm]		11.9
M2/M1 [%]		61.0



U-NII-3 Standalone: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), BACK
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	U-NII-3 Standalone	TSL Permittivity	34.4
Frequency [MHz] / Channel Number	5785.0 / 157	TSL Conductivity [S/m]	5.36
Group / UID	WLAN / 10417-AAC	Phantom Section / TSL	Flat / HSL
Conversion Factor	5.04	Test Distance [mm]	10.00

DASY Configuration

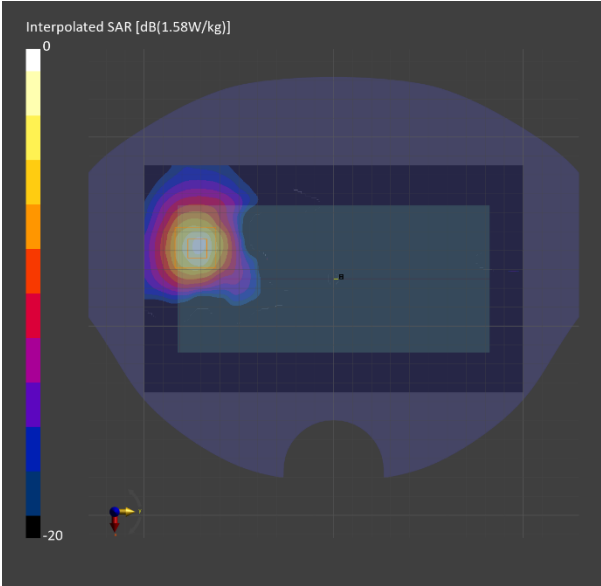
Probe Calibration Date	EX3DV4 - SN7651 2024-03-18	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1671 2024-04-18	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.863	0.843
psSAR10g [W/Kg]	0.290	0.263
Power Drift [dB]		-0.05
Dist 3dB Peak [mm]		8.7
M2/M1 [%]		62.4



ISM 2.4 GHz Band: IEEE 802.15.1 Bluetooth (GFSK, DH5), CHEEK
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	39.8
Frequency [MHz] / Channel Number	2480.0 / 78	TSL Conductivity [S/m]	1.83
Group / UID	Bluetooth / 10032-CAA	Phantom Section / TSL	RightHead / HSL
Conversion Factor	6.92	Test Distance [mm]	0.00

DASY Configuration

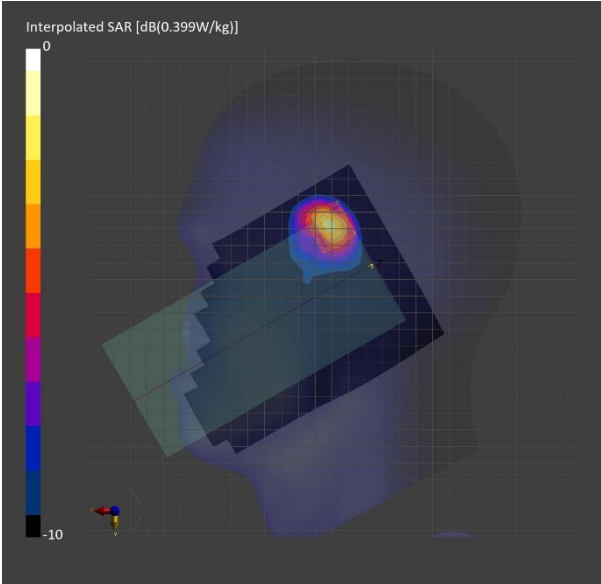
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.181	0.190
psSAR10g [W/Kg]	0.085	0.086
Power Drift [dB]		0.13
Dist 3dB Peak [mm]		9.0
M2/M1 [%]		81.9



ISM 2.4 GHz Band: IEEE 802.15.1 Bluetooth (GFSK, DH5), Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	39.8
Frequency [MHz] / Channel Number	2480.0 / 78	TSL Conductivity [S/m]	1.83
Group / UID	Bluetooth / 10032-CAA	Phantom Section / TSL	Flat / HSL
Conversion Factor	6.92	Test Distance [mm]	15.00

DASY Configuration

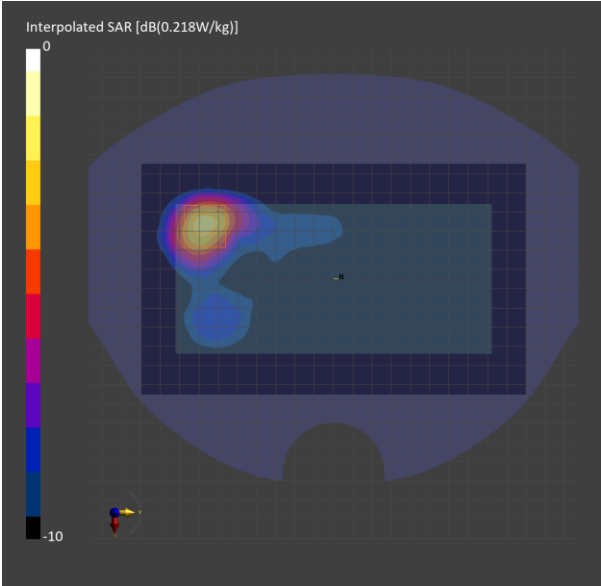
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.109	0.112
psSAR10g [W/Kg]	0.054	0.056
Power Drift [dB]		-0.11
Dist 3dB Peak [mm]		11.5
M2/M1 [%]		80.4



ISM 2.4 GHz Band: IEEE 802.15.1 Bluetooth (GFSK, DH5), Rear
Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	39.8
Frequency [MHz] / Channel Number	2480.0 / 78	TSL Conductivity [S/m]	1.83
Group / UID	Bluetooth / 10032-CAA	Phantom Section / TSL	Flat / HSL
Conversion Factor	6.92	Test Distance [mm]	10.00

DASY Configuration

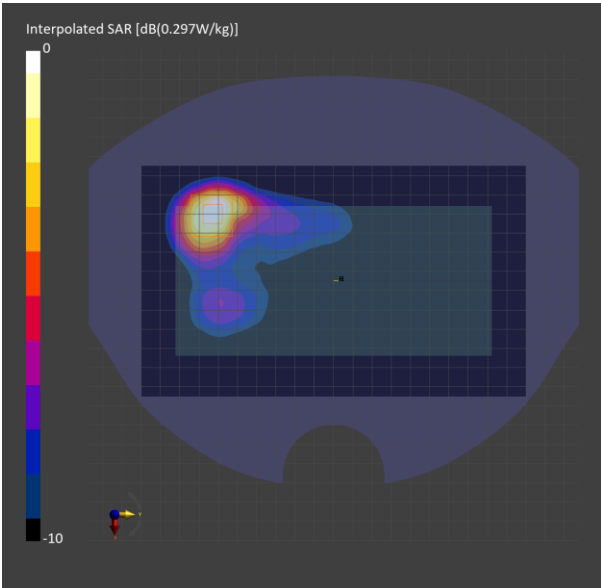
Probe Calibration Date	EX3DV4 - SN7313 2024-02-21	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1447 2024-03-13	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

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
psSAR1g [W/Kg]	0.229	0.238
psSAR10g [W/Kg]	0.109	0.111
Power Drift [dB]		-0.10
Dist 3dB Peak [mm]		9.5
M2/M1 [%]		80.2



Custom Band: CW, Rear

Room Ambient Temperature: 23.0°C, Liquid Temperature: 22.0°C

Exposure Conditions

Band	Custom Band	TSL Permittivity	55.8
Frequency [MHz] / Channel Number	13.6 / 13600	TSL Conductivity [S/m]	0.718
Group / UID	CW / 0--	Phantom Section / TSL	Flat / HSL
Conversion Factor	16.85	Test Distance [mm]	0.00

DASY Configuration

Probe Calibration Date	EX3DV4 - SN7646 2024-03-15	Phantom	ELI V6.0 (20deg probe tilt)
DAE Calibration Date	DAE4 Sn1670 2024-05-15	TSL Type	HBBL-600-10000
Software Version	16.2.2.1588		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.182	0.141
psSAR10g [W/Kg]	0.131	0.049
Power Drift [dB]		-0.00
Dist 3dB Peak [mm]		4.9
M2/M1 [%]		53.1

