

Measurement Report for Device, CHEEK, GSM 850, UID 10027 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	Room Ambient Temperature	Liquid Temperature
Left Head	CHEEK, 0.00	GSM 850	GSM, 10027-DAC	836.6, 190	10.34	0.908	39.9	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-18	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

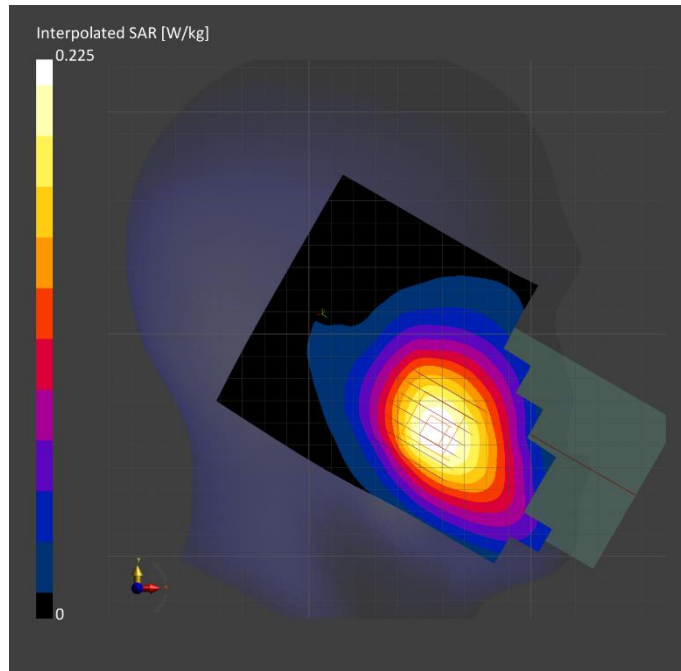
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-19	2021-10-19
Peak SAR (extrapolated) [W/kg]	0.189	0.225
psSAR1g [W/kg]		0.172
psSAR10g [W/kg]		0.131
Power Drift [dB]		0.00

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



GSM 850

Frequency: 836.6 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 40.933$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.56, 10.56, 10.56) @ 836.6 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/GPRS ch.190 3slot/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.456 W/kg

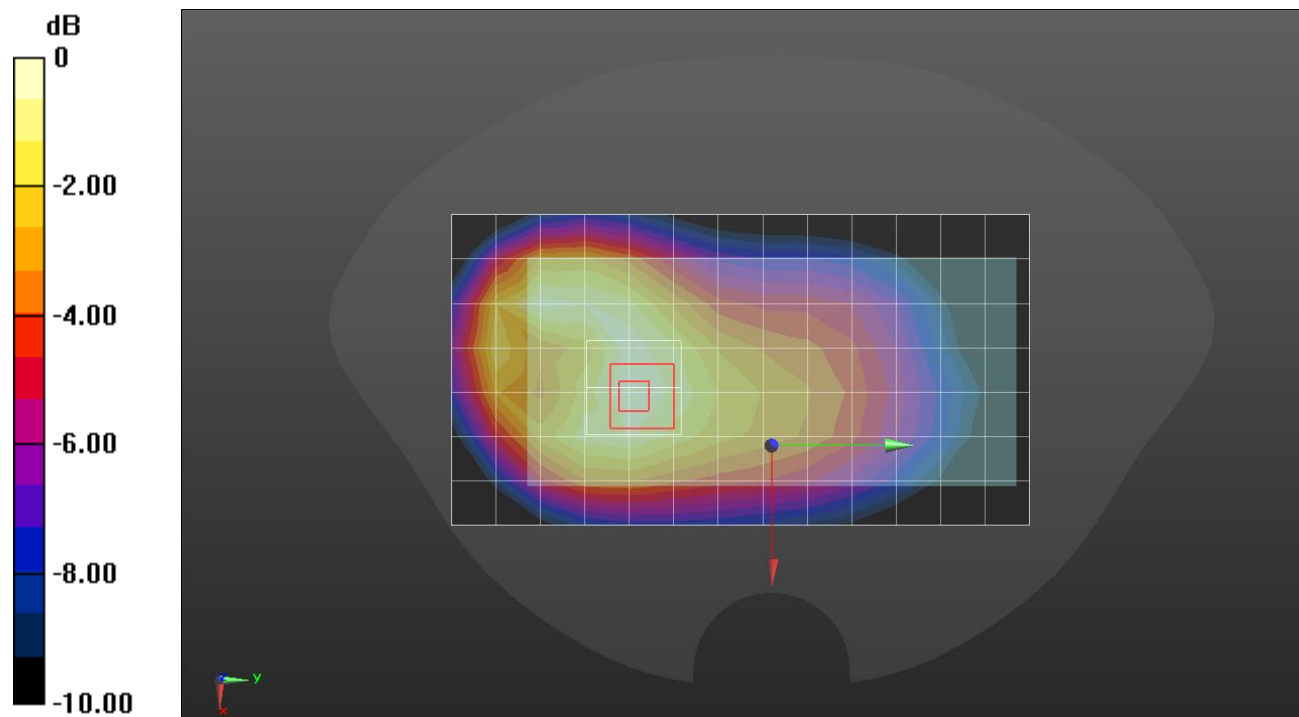
Rear/GPRS ch.190 3slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.96 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.263 W/kg

Maximum value of SAR (measured) = 0.446 W/kg



$$0 \text{ dB} = 0.446 \text{ W/kg} = -3.51 \text{ dBW/kg}$$

GSM 850

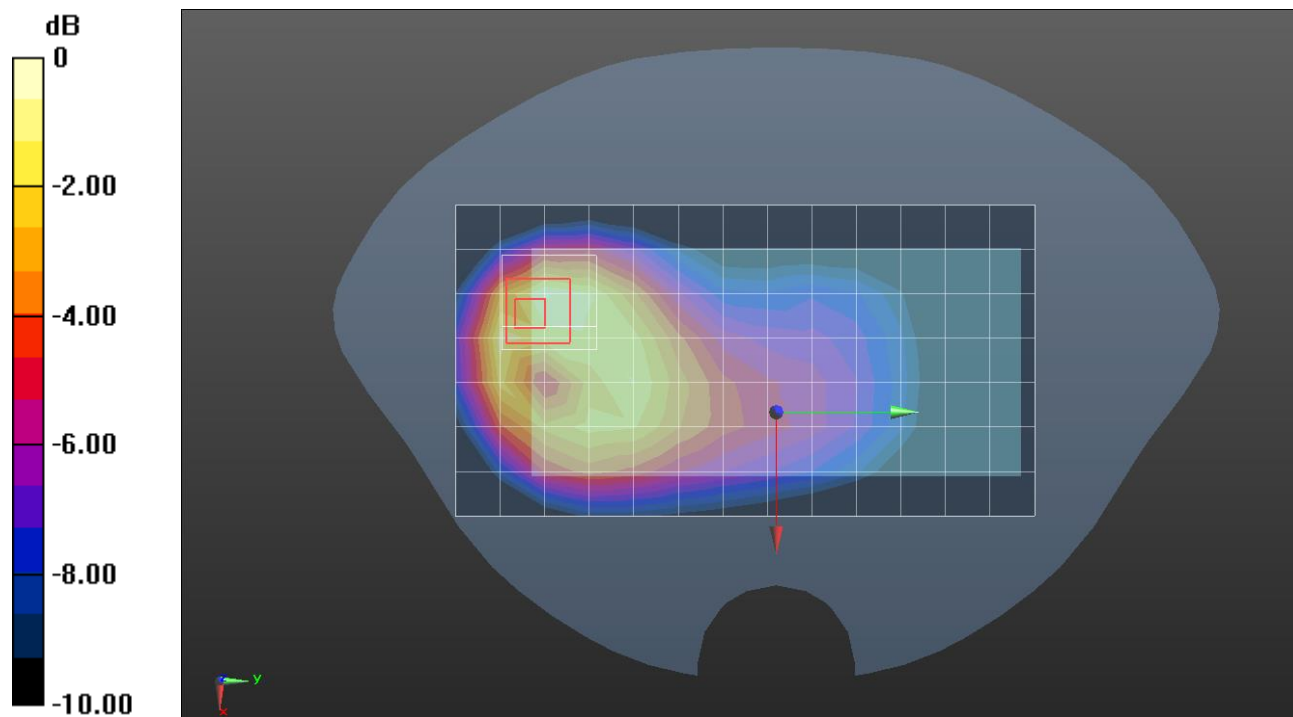
Frequency: 848.8 MHz; Duty Cycle: 1:2.60016; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.948$ S/m; $\epsilon_r = 40.695$; $\rho = 1000$ kg/m³

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: 2021-08-23
- Probe: EX3DV4 - SN7314; ConvF(9.43, 9.43, 9.43) @ 848.8 MHz; Calibrated: 2021-05-31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM (20deg probe tilt) with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:1877

Rear/GPRS ch.251 3slot/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.844 W/kg

Rear/GPRS ch.251 3slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 28.57 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.394 W/kg
 Maximum value of SAR (measured) = 0.963 W/kg



$$0 \text{ dB} = 0.963 \text{ W/kg} = -0.16 \text{ dBW/kg}$$

Measurement Report for Device, CHEEK, PCS 1900, UID 10023 DAC, Channel 661 (1880.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	CHEEK, 0.00	PCS 1900	GSM, 10023-DAC	1880.0, 661	8.72	1.42	38.2	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-18	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

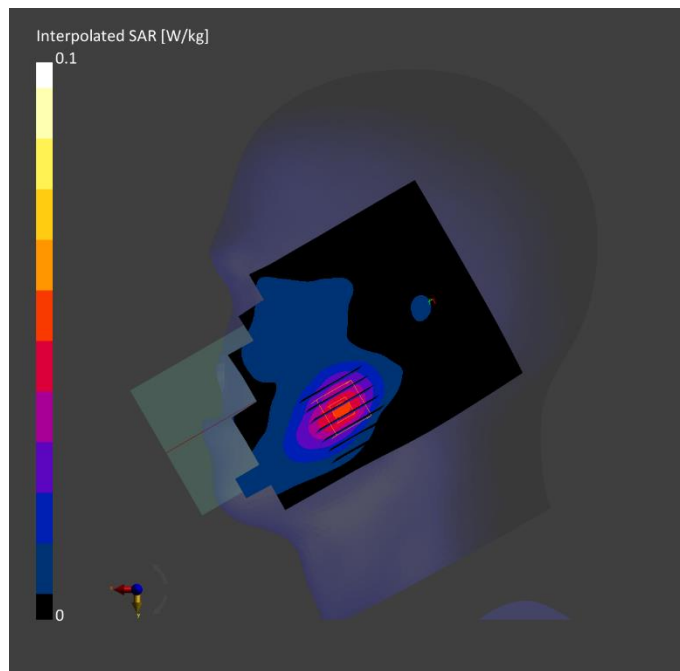
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-20	2021-10-20
Peak SAR (extrapolated) [W/kg]	0.053	0.066
psSAR1g [W/kg]		0.042
psSAR10g [W/kg]		0.026
Power Drift [dB]		0.08

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 38.385$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1880 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/GPRS ch.661 1slot/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.320 W/kg

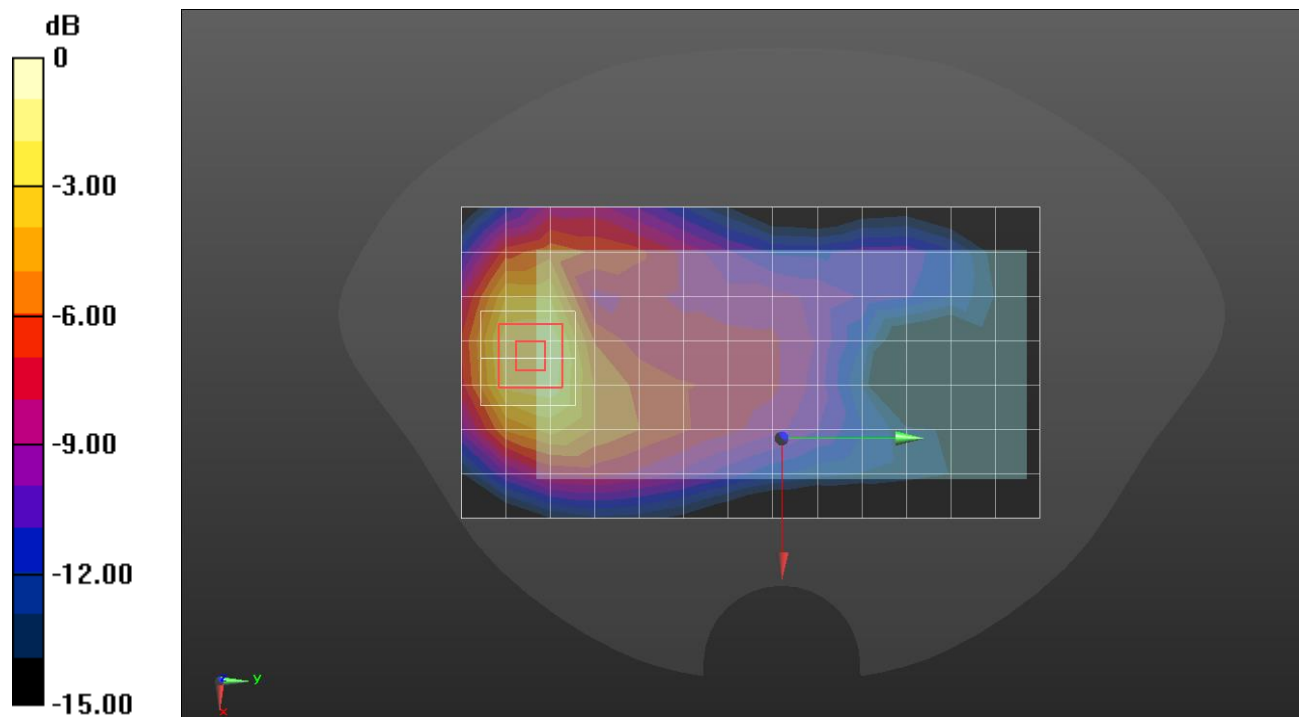
Rear/GPRS ch.661 1slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.61 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.401 W/kg



$$0 \text{ dB} = 0.401 \text{ W/kg} = -3.97 \text{ dBW/kg}$$

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 38.385$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1880 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/GPRS ch.661 1slot/Area Scan (8x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.834 W/kg

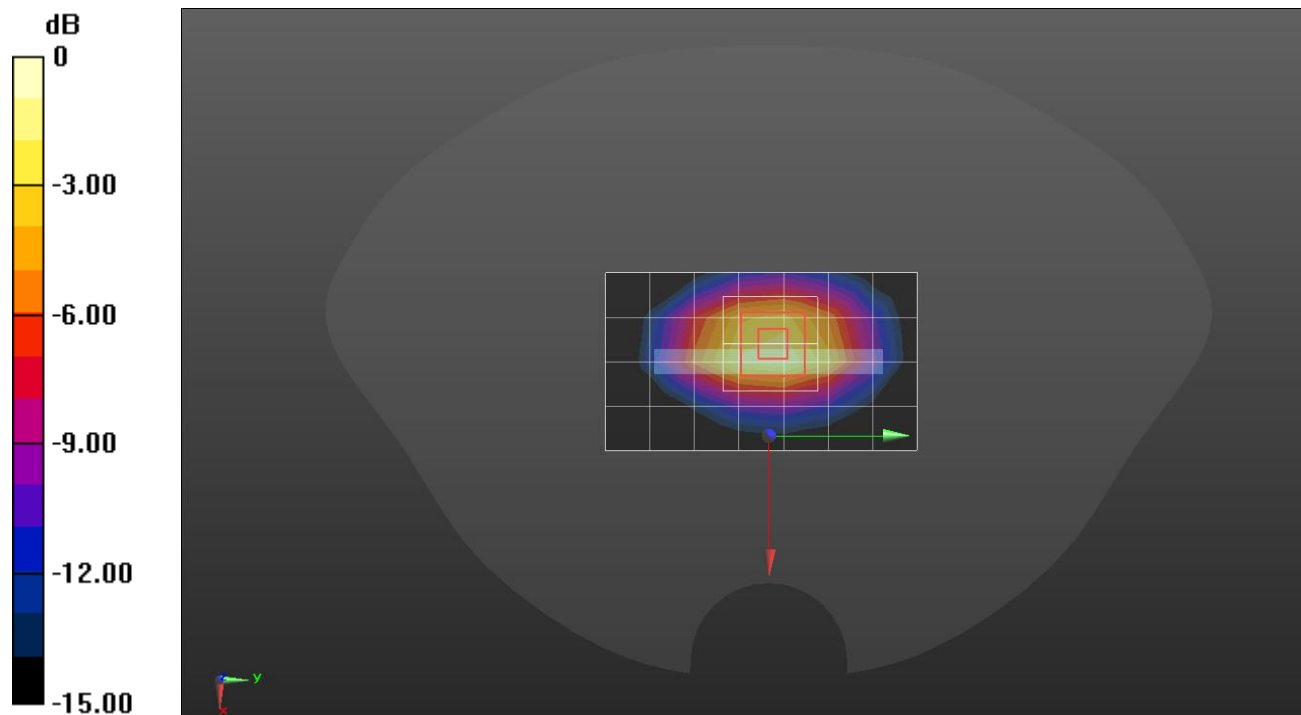
Edge 3/GPRS ch.661 1slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.388 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 1.05 W/kg = 0.21 dBW/kg

GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.363$ S/m; $\epsilon_r = 38.385$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1880 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/GPRS ch.661 1slot/Area Scan (8x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.31 W/kg

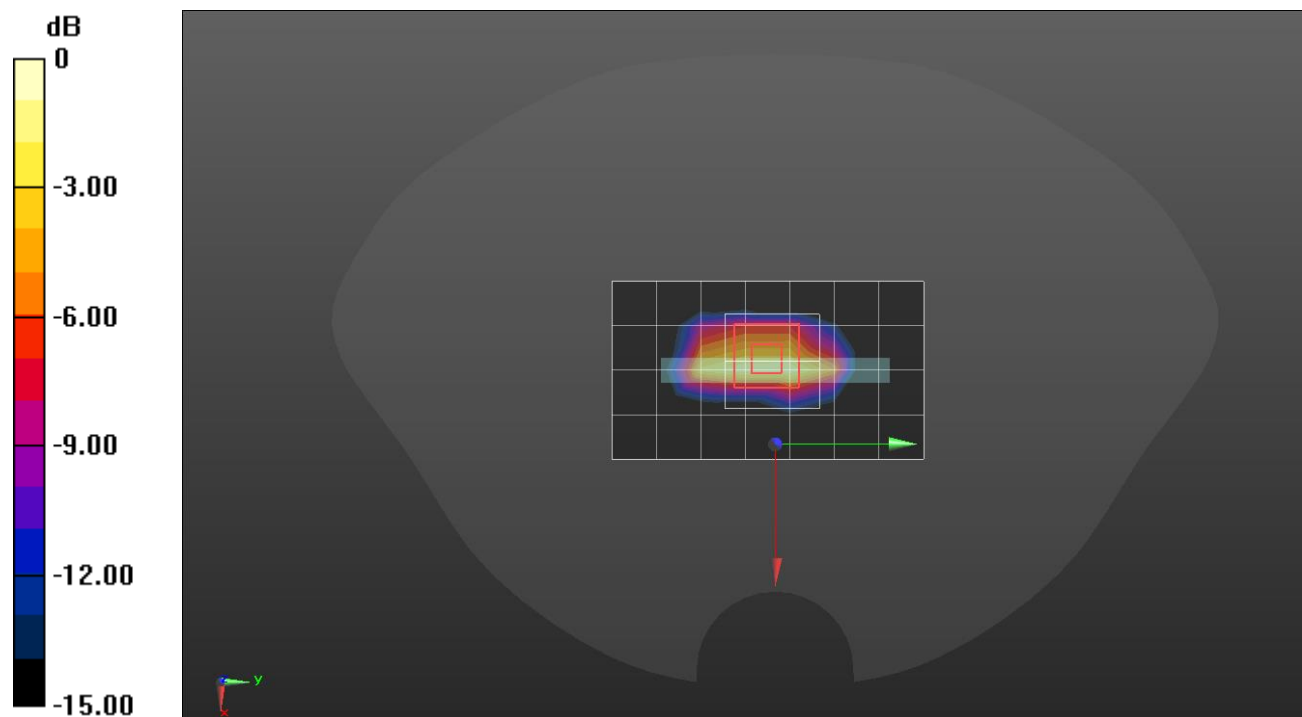
Edge 3/GPRS ch.661 1slot/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.10 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 5.17 W/kg

SAR(1 g) = 2.38 W/kg; SAR(10 g) = 1.11 W/kg

Maximum value of SAR (measured) = 4.12 W/kg



0 dB = 4.12 W/kg = 6.15 dBW/kg

Measurement Report for Device, CHEEK, Band 2, UTRA/FDD, UID 10011 CAB, Channel 9400 (1880.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	Cheek, 0.00	Band 2, UTRA/FDD	WCDMA, 10011-CAB	1880.0, 9400	8.48	1.41	39.6	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-12	EX3DV4 - SN7376, 2021-07-30	DAE4 Sn1668, 2021-04-08

Scan Setup

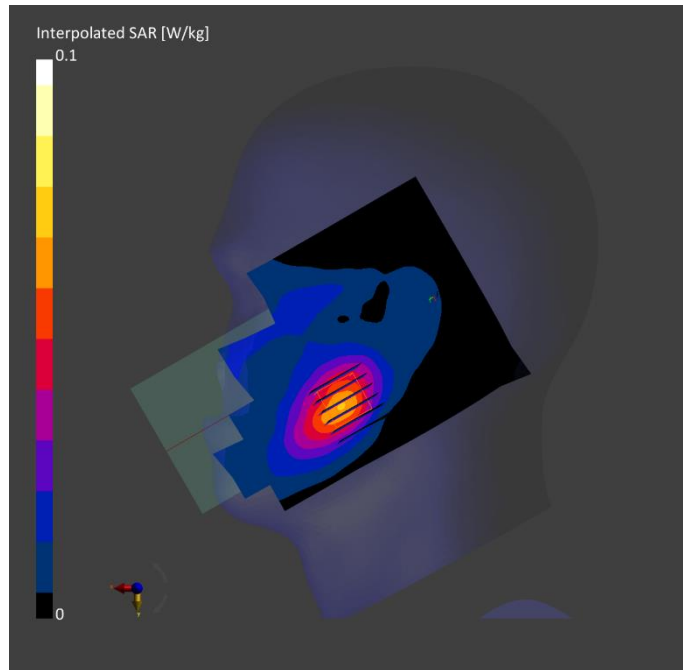
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-12	2021-10-12
Peak SAR (extrapolated) [W/kg]	0.067	0.085
psSAR1g [W/kg]		0.055
psSAR10g [W/kg]		0.034
Power Drift [dB]		-0.20

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



W-CDMA Band II

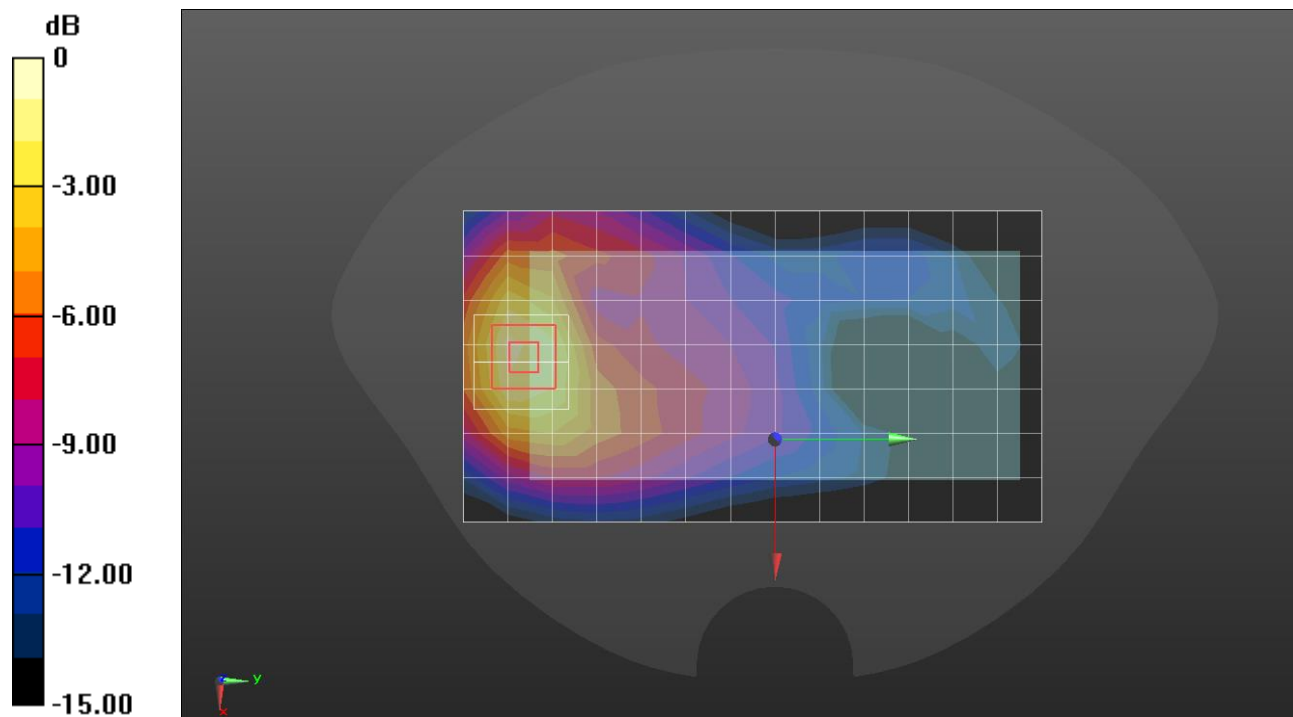
Frequency: 1880 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.425 \text{ S/m}$; $\epsilon_r = 39.42$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1880 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/Rel.99 ch.9400/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.585 W/kg

Rear/Rel.99 ch.9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 20.64 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 0.791 W/kg
SAR(1 g) = 0.480 W/kg; SAR(10 g) = 0.281 W/kg
 Maximum value of SAR (measured) = 0.680 W/kg



$$0 \text{ dB} = 0.680 \text{ W/kg} = -1.67 \text{ dBW/kg}$$

W-CDMA Band II

Frequency: 1852.4 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.405$ S/m; $\epsilon_r = 39.475$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1852.4 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/Rel.99 ch.9262/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.29 W/kg

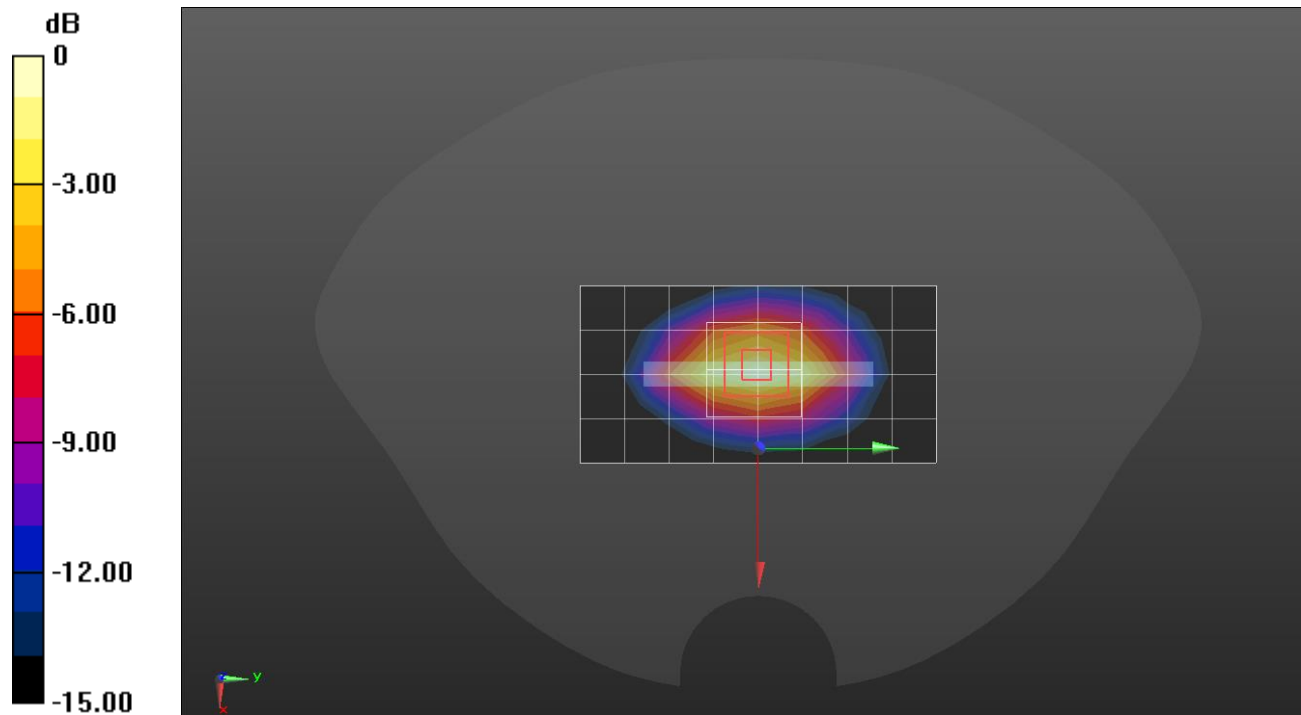
Edge 3/Rel.99 ch.9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.55 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.893 W/kg; SAR(10 g) = 0.480 W/kg

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

W-CDMA Band II

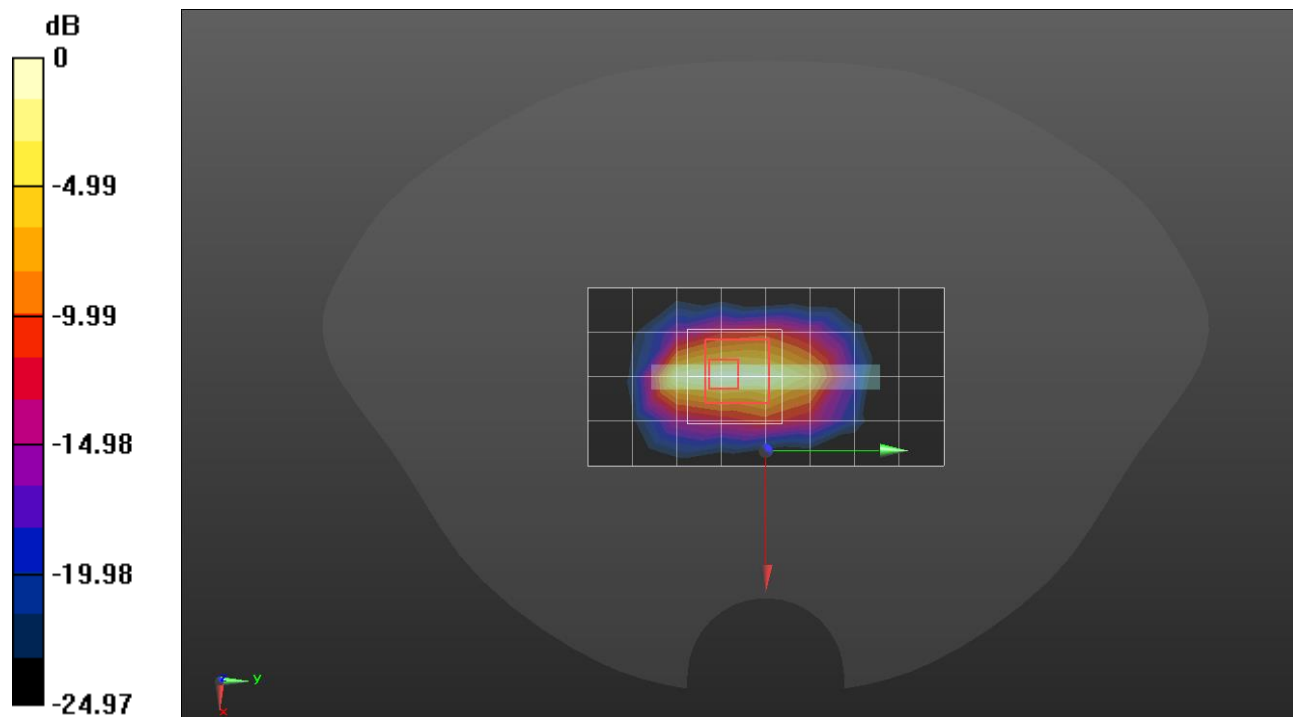
Frequency: 1907.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 39.335$; $\rho = 1000$ kg/m³

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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1907.6 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/Rel.99 ch.9538/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 6.65 W/kg

Edge 3/Rel.99 ch.9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 60.03 V/m; Power Drift = 0.04 dB
 Peak SAR (extrapolated) = 8.90 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.67 W/kg
 Maximum value of SAR (measured) = 7.05 W/kg



0 dB = 7.05 W/kg = 8.48 dBW/kg

Measurement Report for Device, CHEEK, Band 4, UTRA/FDD, UID 10011 CAB, Channel 1413 (1732.6MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	Cheek, 0.00	Band 4, UTRA/FDD	WCDMA, 10011-CAB	1732.6, 1413	8.58	1.33	39.7	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-12	EX3DV4 - SN7376, 2021-07-30	DAE4 Sn1668, 2021-04-08

Scan Setup

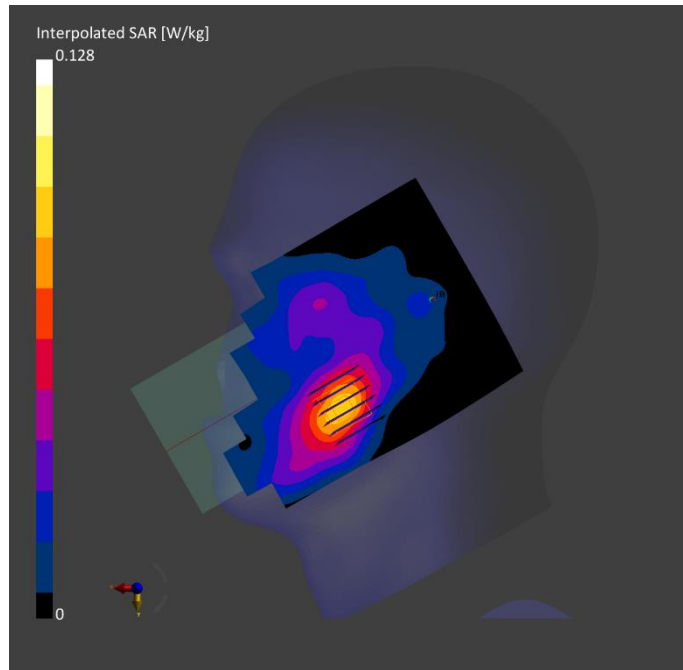
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-13	2021-10-13
Peak SAR (extrapolated) [W/kg]	0.095	0.128
psSAR1g [W/kg]		0.083
psSAR10g [W/kg]		0.052
Power Drift [dB]		-0.03

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



W-CDMA Band IV

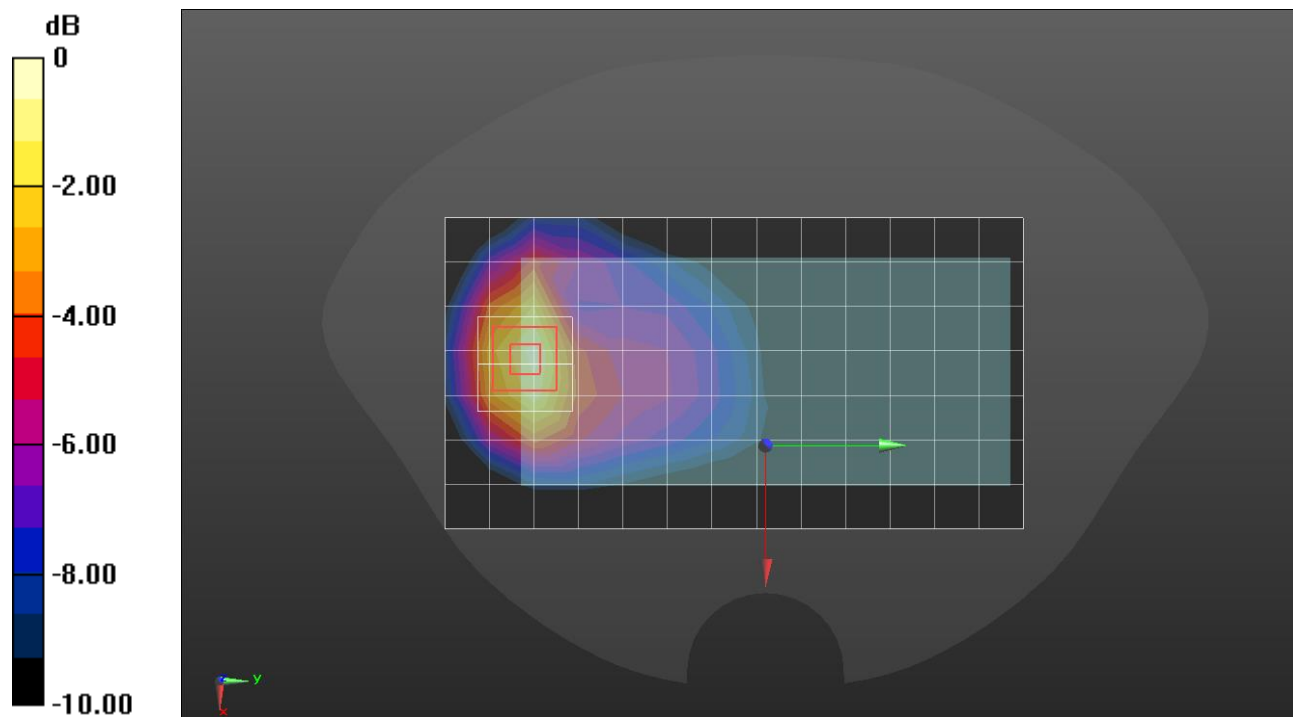
Frequency: 1752.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1752.6$ MHz; $\sigma = 1.351$ S/m; $\epsilon_r = 40.402$; $\rho = 1000$ kg/m³

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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(9.3, 9.3, 9.3) @ 1752.6 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/Rel.99 ch.1513/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.792 W/kg

Rear/Rel.99 ch.1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
 Reference Value = 24.66 V/m; Power Drift = -0.06 dB
 Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.397 W/kg
 Maximum value of SAR (measured) = 0.847 W/kg



0 dB = 0.847 W/kg = -0.72 dBW/kg

W-CDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.353$ S/m; $\epsilon_r = 40.395$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(9.3, 9.3, 9.3) @ 1732.6 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/Rel.99 ch.1413/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.35 W/kg

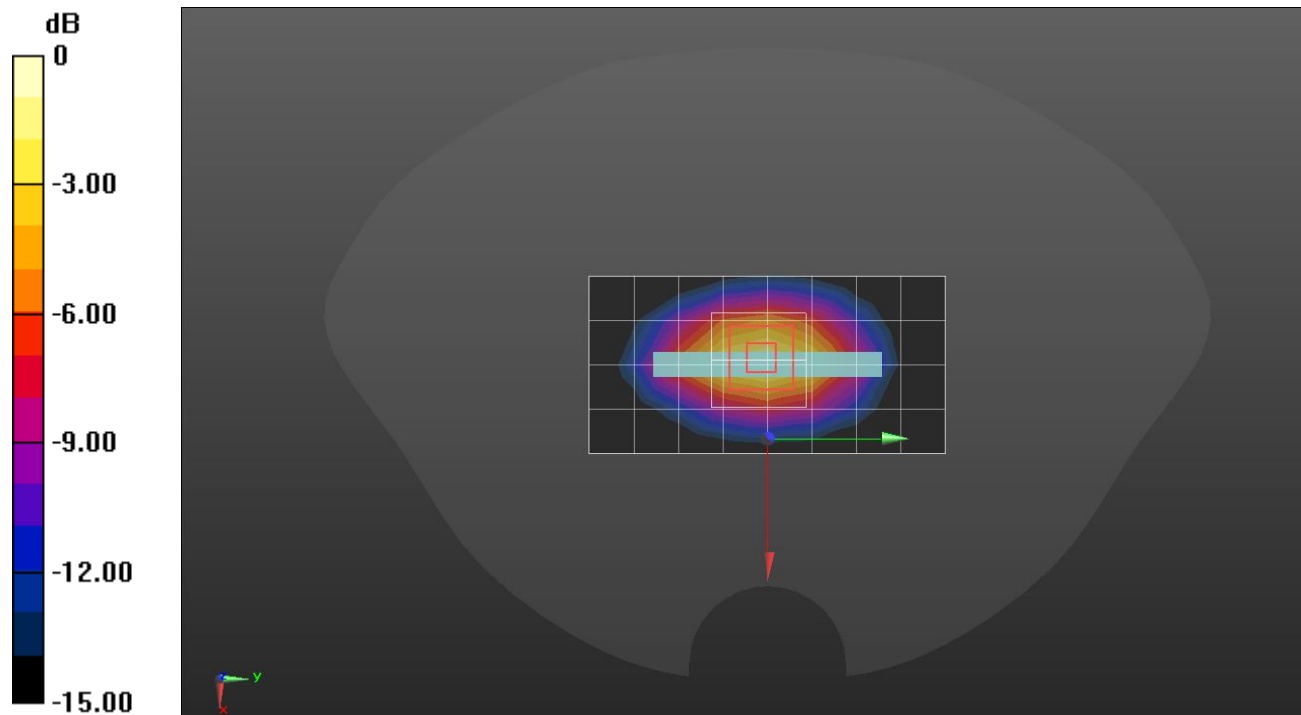
Edge 3/Rel.99 ch.1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.79 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.507 W/kg

Maximum value of SAR (measured) = 1.39 W/kg



0 dB = 1.39 W/kg = 1.43 dBW/kg

W-CDMA Band IV

Frequency: 1732.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1732.6$ MHz; $\sigma = 1.353$ S/m; $\epsilon_r = 40.395$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(9.3, 9.3, 9.3) @ 1732.6 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/Rel.99 ch.1413/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.35 W/kg

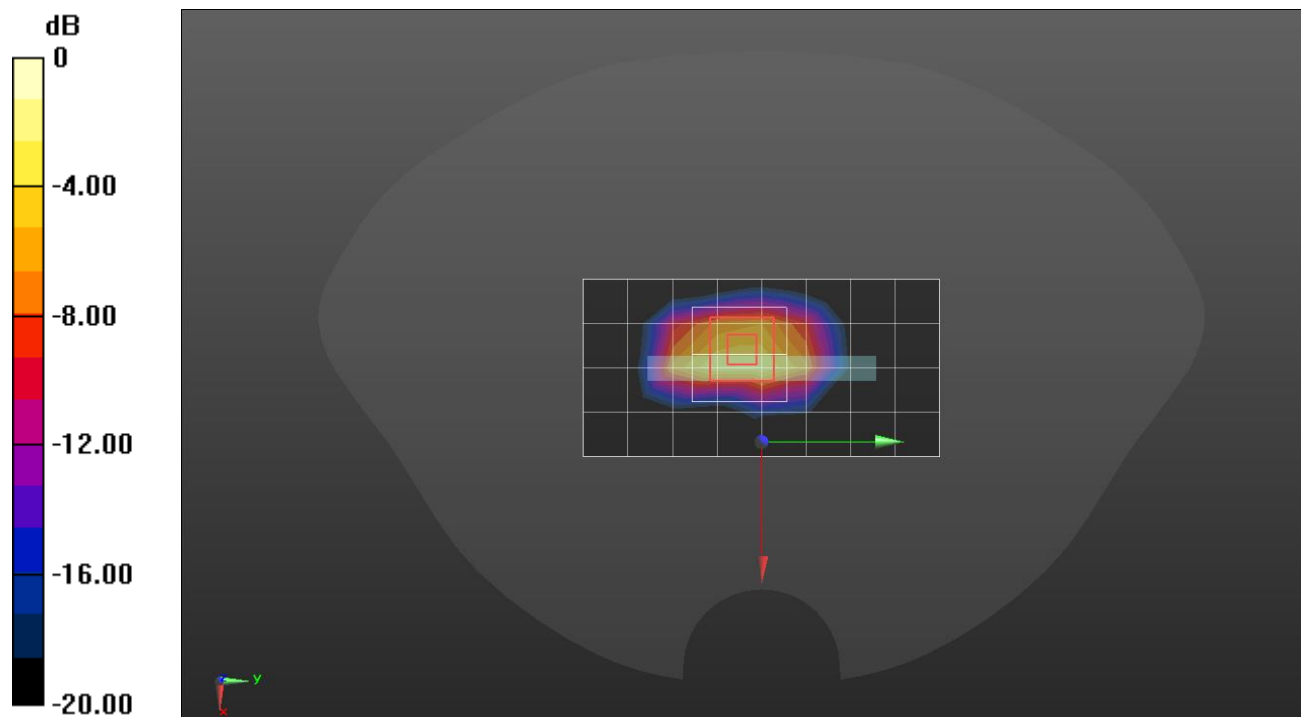
Edge 3/Rel.99 ch.1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.34 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.61 W/kg

SAR(1 g) = 3.14 W/kg; SAR(10 g) = 1.47 W/kg

Maximum value of SAR (measured) = 5.92 W/kg



0 dB = 5.92 W/kg = 7.72 dBW/kg

Measurement Report for Device, CHEEK, Band 5, UTRA/FDD, UID 10011 CAB, Channel 4183 (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	Room Ambient Temperature	Liquid Temperature
Left Head	Cheek, 0.00	Band 5, UTRA/FDD	WCDMA, 10011-CAB	836.6, 4183	10.34	0.921	41.8	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-15	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

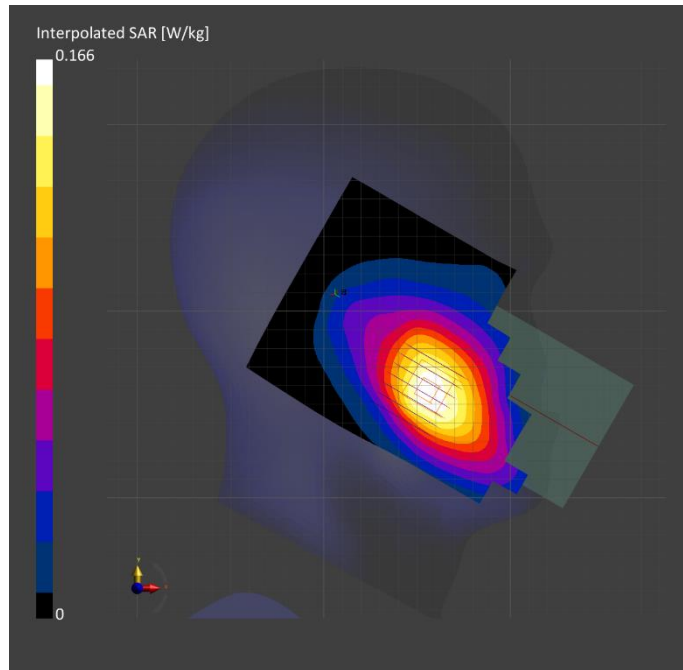
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-15	2021-10-15
Peak SAR (extrapolated) [W/kg]	0.142	0.166
psSAR1g [W/kg]		0.129
psSAR10g [W/kg]		0.096
Power Drift [dB]		-0.02

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



W-CDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 41.492$; $\rho = 1000$ 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: 2021-07-27
- Probe: EX3DV4 - SN7313; ConvF(9.81, 9.81, 9.81) @ 836.6 MHz; Calibrated: 2021-02-23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: 1751

Rear/Rel.99 ch.4183/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.412 W/kg

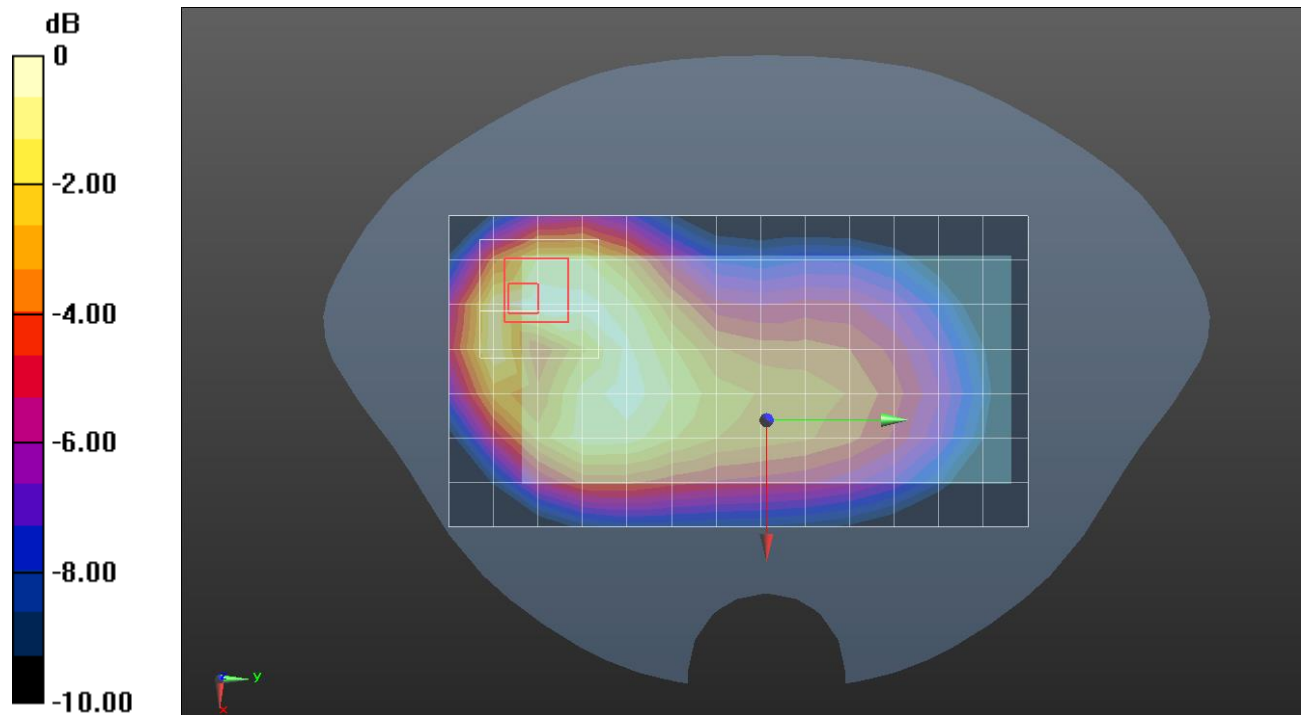
Rear/Rel.99 ch.4183/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.67 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.424 W/kg



$$0 \text{ dB} = 0.424 \text{ W/kg} = -3.73 \text{ dBW/kg}$$

W-CDMA Band V

Frequency: 836.6 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 41.492$; $\rho = 1000$ 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: 2021-07-27
- Probe: EX3DV4 - SN7313; ConvF(9.81, 9.81, 9.81) @ 836.6 MHz; Calibrated: 2021-02-23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: SAM (20deg probe tilt) with CRP v5.0; Type: QD000P40CD; Serial: 1751

Rear/Rel.99 ch.4183/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.876 W/kg

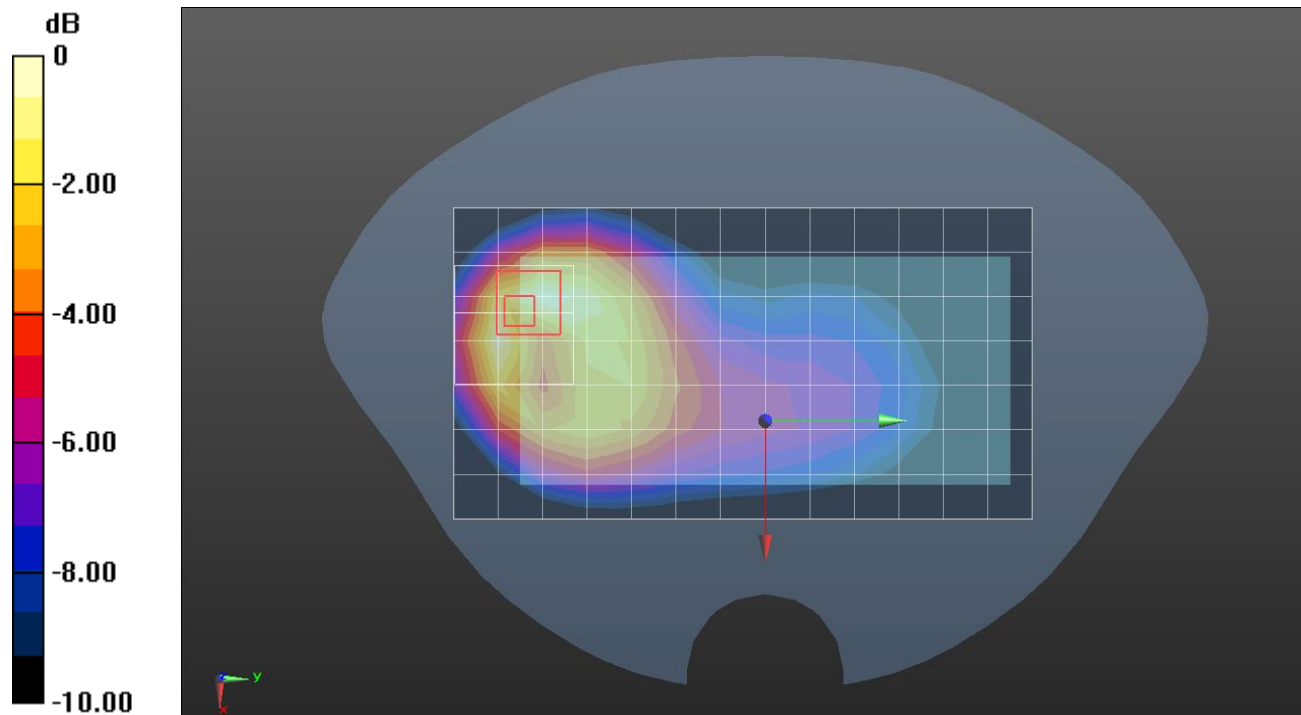
Rear/Rel.99 ch.4183/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.05 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.385 W/kg

Maximum value of SAR (measured) = 0.920 W/kg



0 dB = 0.920 W/kg = -0.36 dBW/kg

Measurement Report for Device, CHEEK, Band 12, E-UTRA/FDD, UID 10175 CAG, Channel 23095 (707.5MHz)

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	Room Ambient Temperature	Liquid Temperature
Left Head	CHEEK, 0.00	Band 12, E-UTRA/FDD	LTE-FDD, 10175-CAG	707.5, 23095	10.52	0.898	41.7	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-14	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

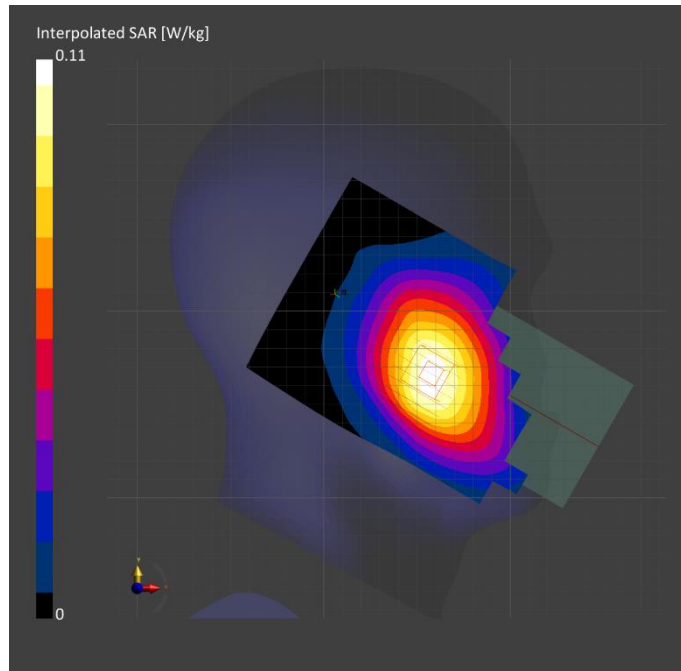
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-15	2021-10-15
Peak SAR (extrapolated) [W/kg]	0.097	0.110
psSAR1g [W/kg]		0.090
psSAR10g [W/kg]		0.070
Power Drift [dB]		0.05

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 40.743$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.76, 10.76, 10.76) @ 707.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/0 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

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

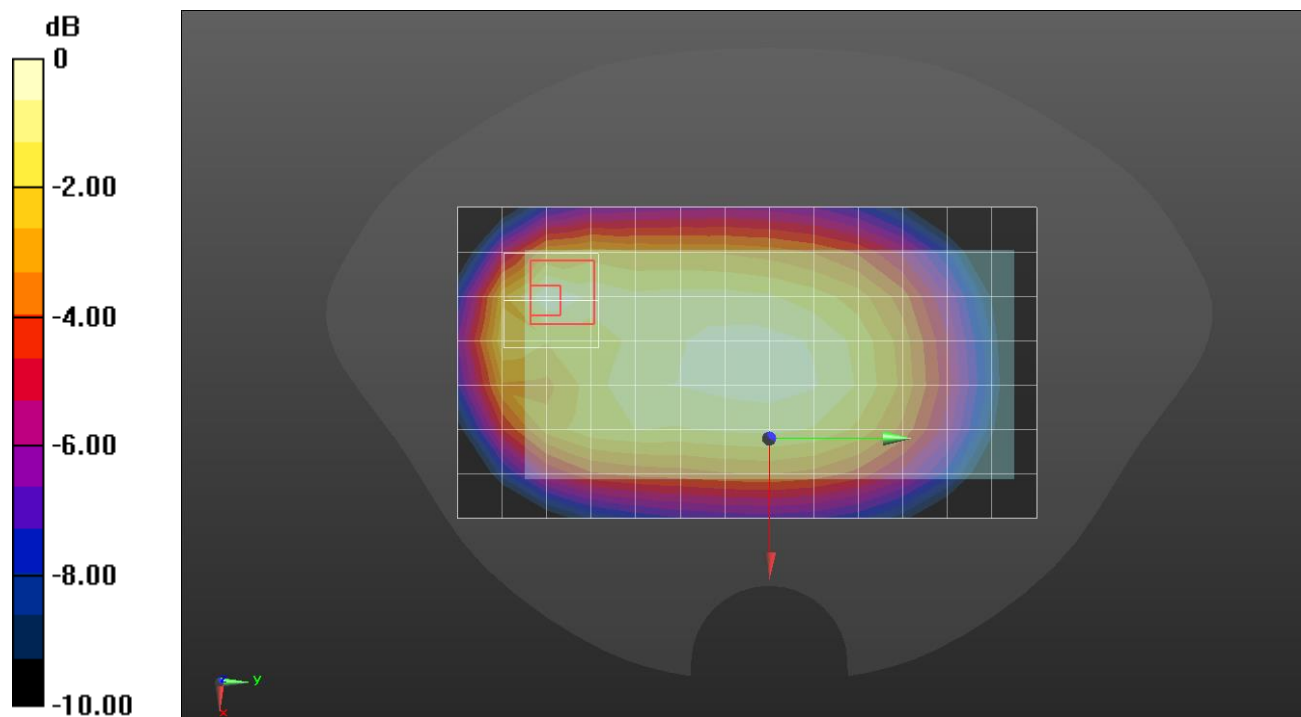
Rear/QPSK RB 1/0 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.57 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg = -6.14 dBW/kg

LTE Band 12

Frequency: 707.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 40.743$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.76, 10.76, 10.76) @ 707.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/0 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.567 W/kg

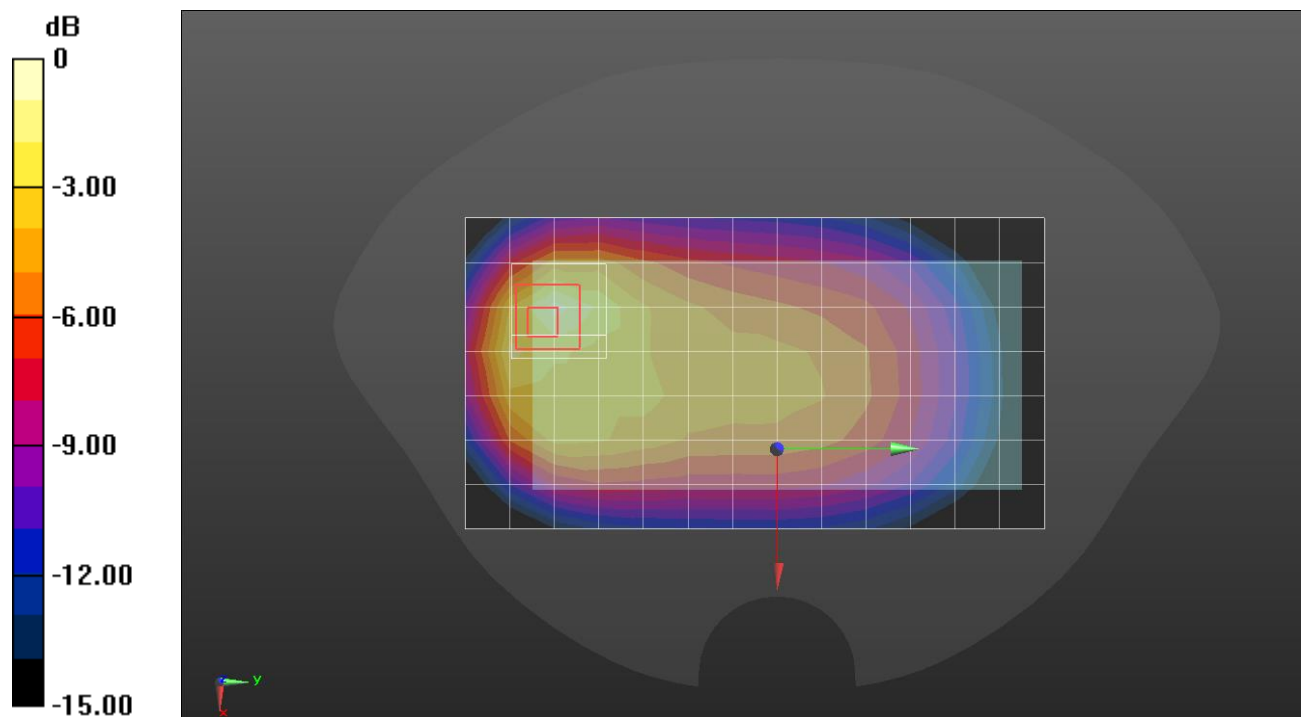
Rear/QPSK RB 1/0 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.94 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 0.642 W/kg



0 dB = 0.642 W/kg = -1.92 dBW/kg

Measurement Report for Device, CHEEK, Band 13, E-UTRA/FDD, UID 10175 CAG, Channel 23230 (782.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Left Head	CHEEK, 0.00	Band 13, E-UTRA/FDD	LTE-FDD, 10175-CAG	782.0, 23230	10.52	0.887	40.1	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-18	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

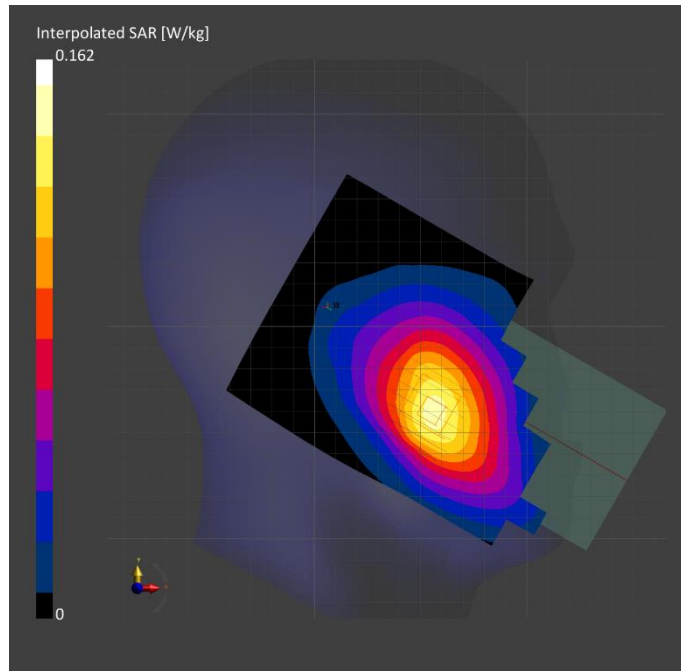
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-18	2021-10-18
Peak SAR (extrapolated) [W/kg]	0.140	0.162
psSAR1g [W/kg]		0.128
psSAR10g [W/kg]		0.097
Power Drift [dB]		-0.03

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 40.259$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.76, 10.76, 10.76) @ 782 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/49 ch.23230/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.397 W/kg

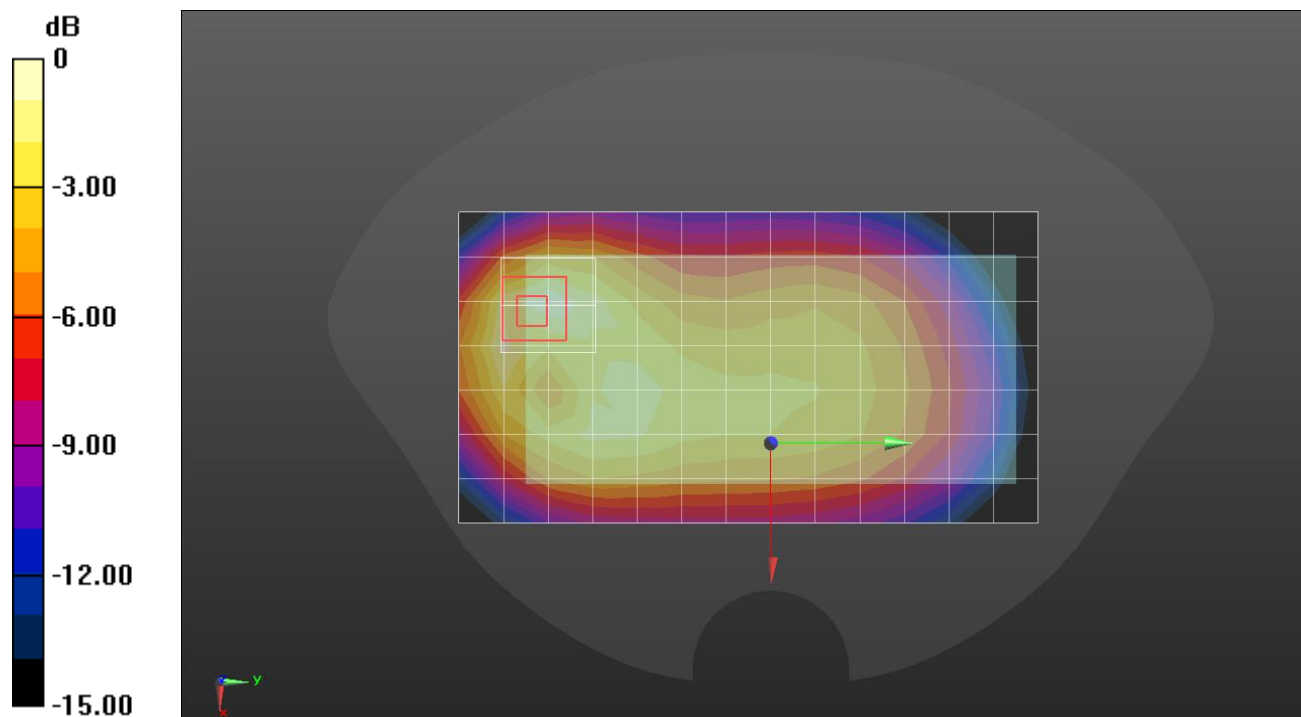
Rear/QPSK RB 1/49 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 19.98 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.489 W/kg

SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.178 W/kg

Maximum value of SAR (measured) = 0.405 W/kg



0 dB = 0.405 W/kg = -3.93 dBW/kg

LTE Band 13

Frequency: 782 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 40.259$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.76, 10.76, 10.76) @ 782 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/49 ch.23230/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
 Maximum value of SAR (measured) = 0.877 W/kg

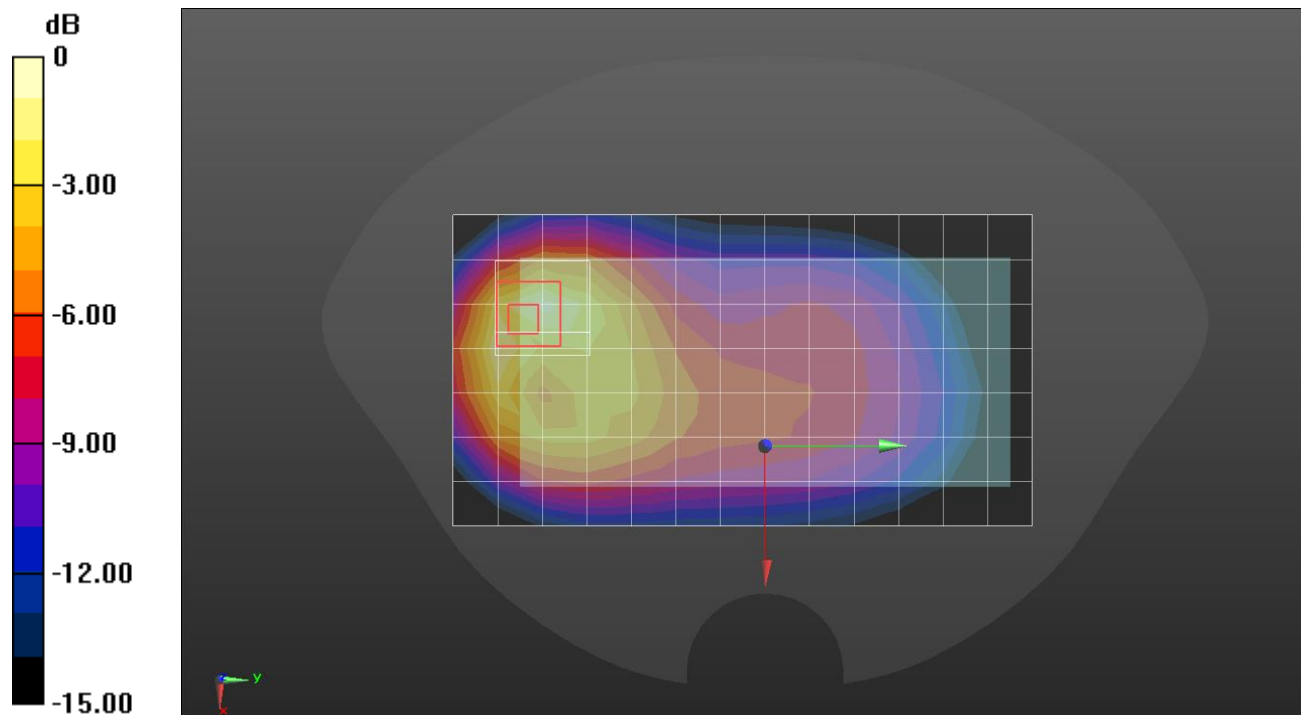
Rear/QPSK RB 1/49 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 29.70 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 0.983 W/kg



0 dB = 0.983 W/kg = -0.07 dBW/kg

Measurement Report for Device, CHEEK, Band 25, E-UTRA/FDD, UID 10169 CAE, Channel 26590 (1905.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	CHEEK, 0.00	Band 25, E-UTRA/FDD	LTE-FDD, 10169-CAG	1905.0, 26590	8.72	1.44	38.1	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-18	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

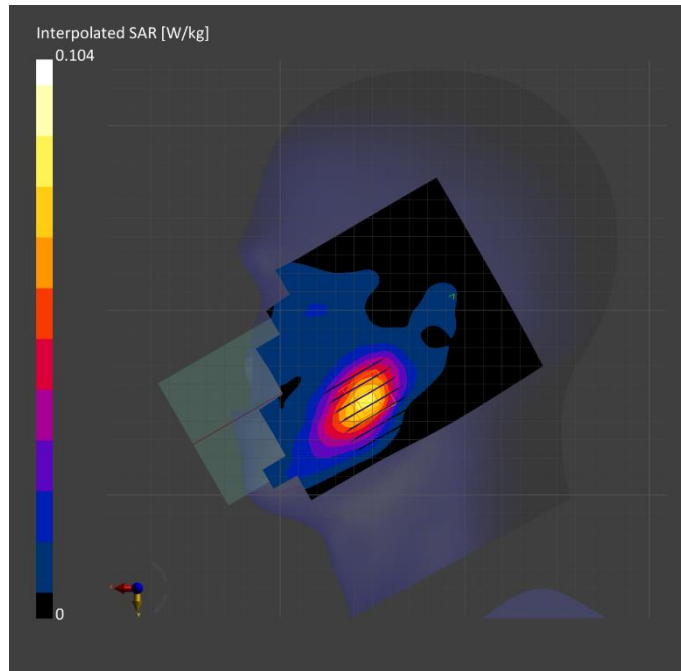
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-19	2021-10-19
Peak SAR (extrapolated) [W/kg]	0.083	0.105
psSAR1g [W/kg]		0.068
psSAR10g [W/kg]		0.042
Power Drift [dB]		0.02

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



LTE Band 25

Frequency: 1905 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1905 \text{ MHz}$; $\sigma = 1.442 \text{ S/m}$; $\epsilon_r = 39.345$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1905 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/0 ch.26590/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.455 W/kg

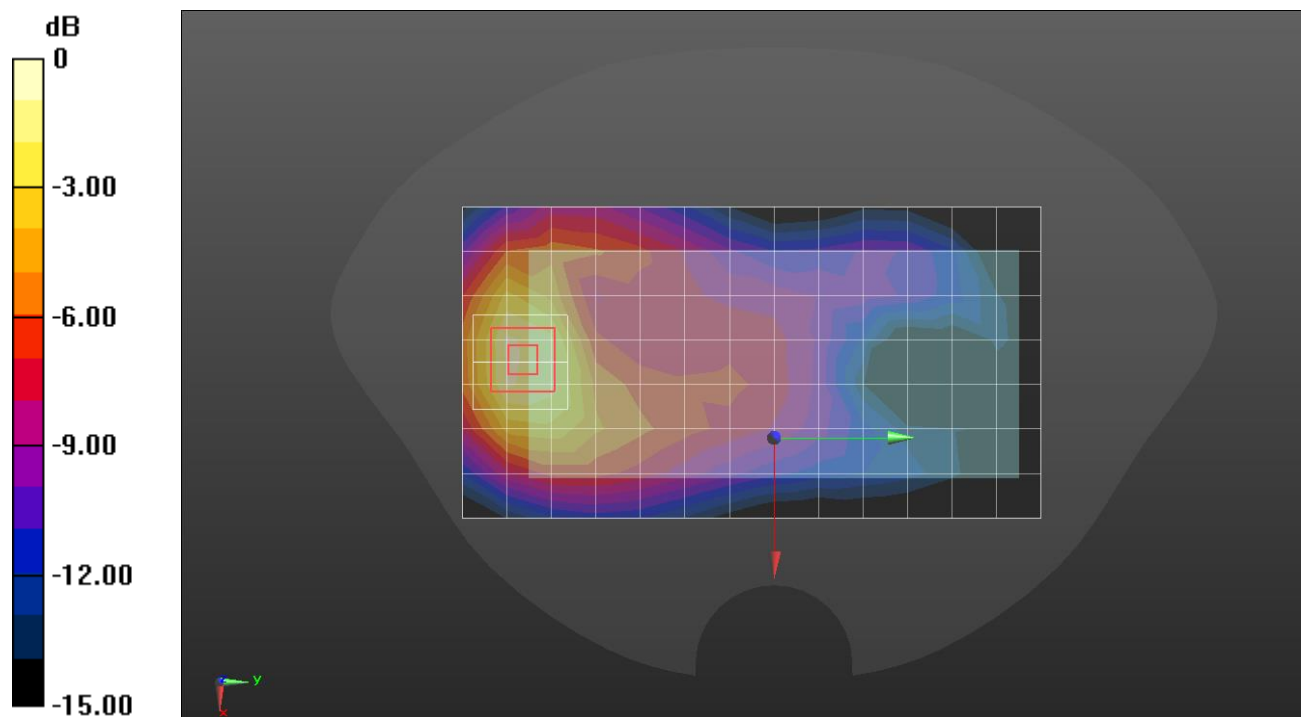
Rear/QPSK RB 1/0 ch.26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.87 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.633 W/kg

SAR(1 g) = 0.384 W/kg; SAR(10 g) = 0.226 W/kg

Maximum value of SAR (measured) = 0.543 W/kg



0 dB = 0.543 W/kg = -2.65 dBW/kg

LTE Band 25

Frequency: 1882.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.427$ S/m; $\epsilon_r = 39.414$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1882.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/QPSK RB 1/0 ch.26365/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.21 W/kg

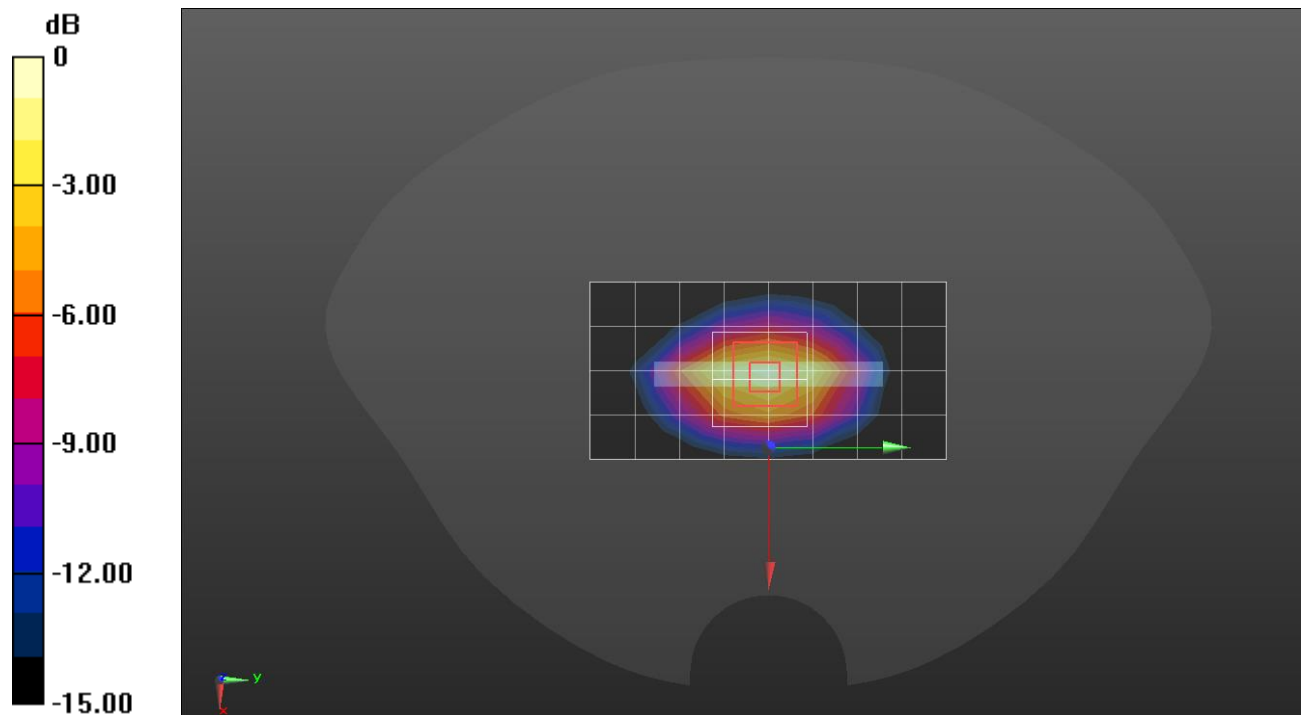
Edge 3/QPSK RB 1/0 ch.26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.41 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.473 W/kg

Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg = 1.21 dBW/kg

LTE Band 25

Frequency: 1905 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.442$ S/m; $\epsilon_r = 39.345$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.9, 8.9, 8.9) @ 1905 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/QPSK RB 50/0 ch.26590/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 6.40 W/kg

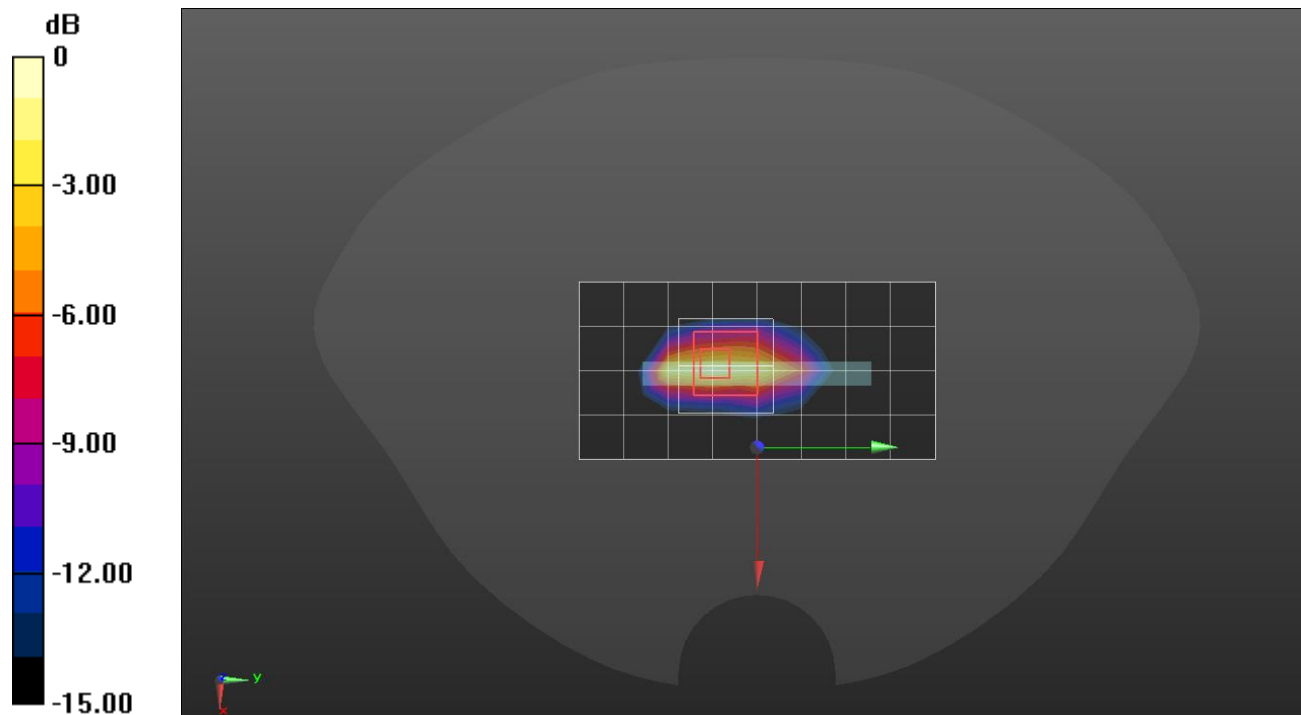
Edge 3/QPSK RB 50/0 ch.26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.59 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 10.0 W/kg

SAR(1 g) = 3.45 W/kg; SAR(10 g) = 1.56 W/kg

Maximum value of SAR (measured) = 7.32 W/kg



0 dB = 7.32 W/kg = 8.65 dBW/kg

Measurement Report for Device, CHEEK, Band 26 E-UTRA/FDD, UID 10181 CAE, Channel 26865 (831.5MHz)

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	Room Ambient Temperature	Liquid Temperature
Left Head	CHEEK, 0.00	Band 26, E-UTRA/FDD	LTE-FDD, 10181-CAG	831.5, 26865	10.34	0.919	41.8	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-14	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

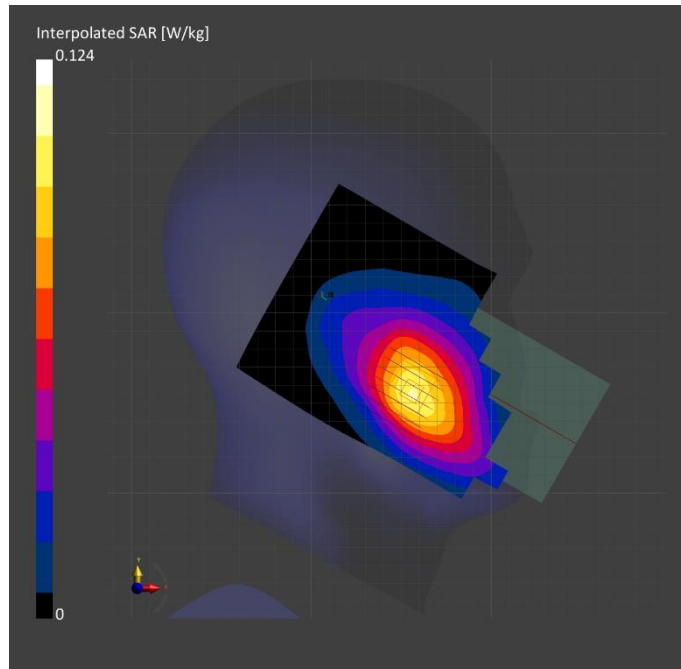
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-15	2021-10-15
Peak SAR (extrapolated) [W/kg]	0.104	0.124
psSAR1g [W/kg]		0.095
psSAR10g [W/kg]		0.071
Power Drift [dB]		-0.03

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 40.961$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.56, 10.56, 10.56) @ 831.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/0 ch.26865/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.333 W/kg

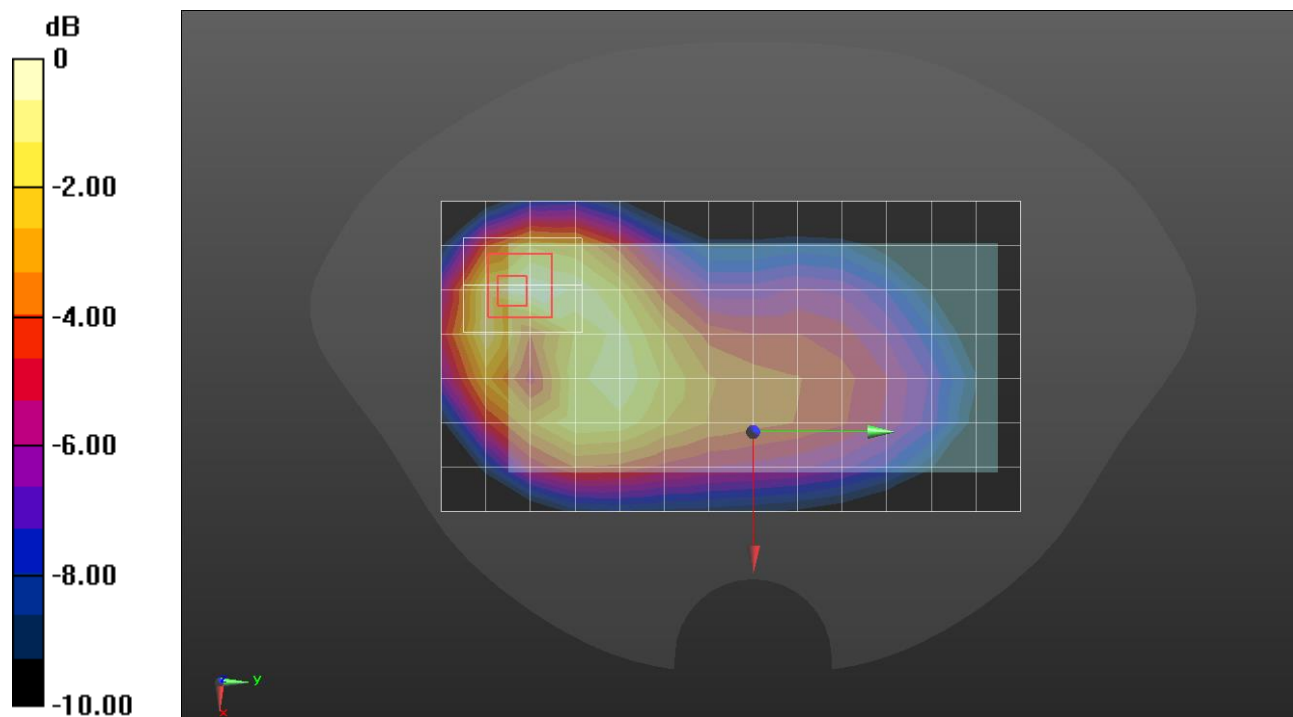
Rear/QPSK RB 1/0 ch.26865/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.28 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.160 W/kg

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg = -4.67 dBW/kg

LTE Band 26

Frequency: 831.5 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 40.961$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(10.56, 10.56, 10.56) @ 831.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/0 ch.26865/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.688 W/kg

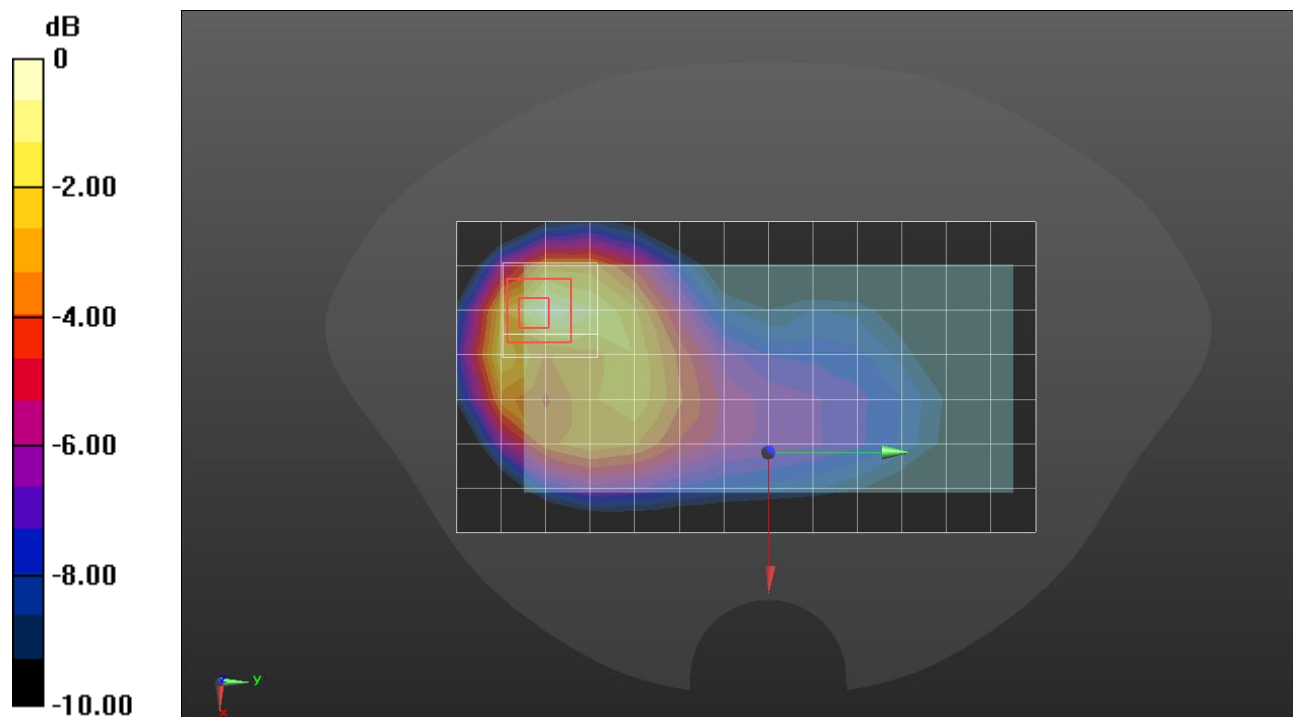
Rear/QPSK RB 1/0 ch.26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.09 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.301 W/kg

Maximum value of SAR (measured) = 0.700 W/kg



0 dB = 0.700 W/kg = -1.55 dBW/kg

Measurement Report for Device, TILT, Band 41, E-UTRA/TDD, UID 10172 CAG, Channel 41055 (2636.5MHz)

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	Room Ambient Temperature	Liquid Temperature
Left Head	Tilt, 0.00	Band 41, E-UTRA/TDD	LTE-TDD, 10172-CAG	2636.5, 41055	8.34	1.97	37.2	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-18	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

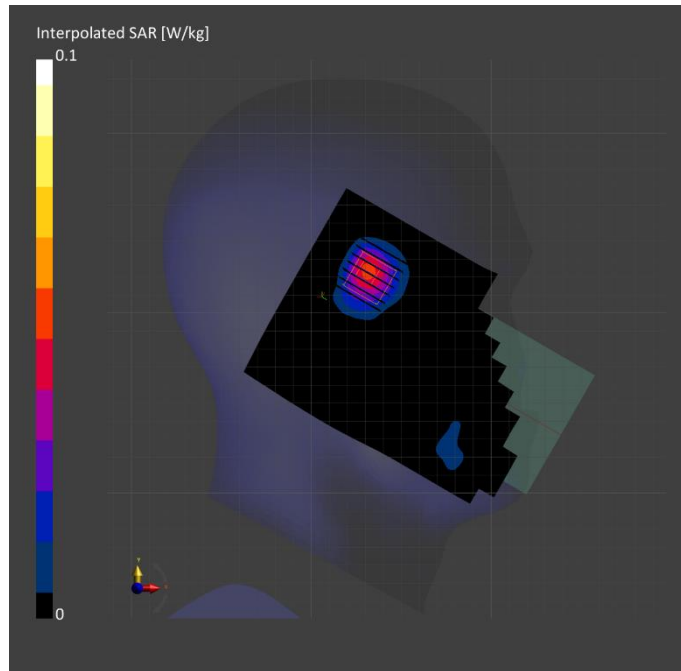
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-20	2021-10-20
Peak SAR (extrapolated) [W/kg]	0.055	0.083
psSAR1g [W/kg]		0.044
psSAR10g [W/kg]		0.021
Power Drift [dB]		0.04

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



LTE Band 41

Frequency: 2636.5 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.47$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.11, 8.11, 8.11) @ 2636.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/99 ch.41055/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.406 W/kg

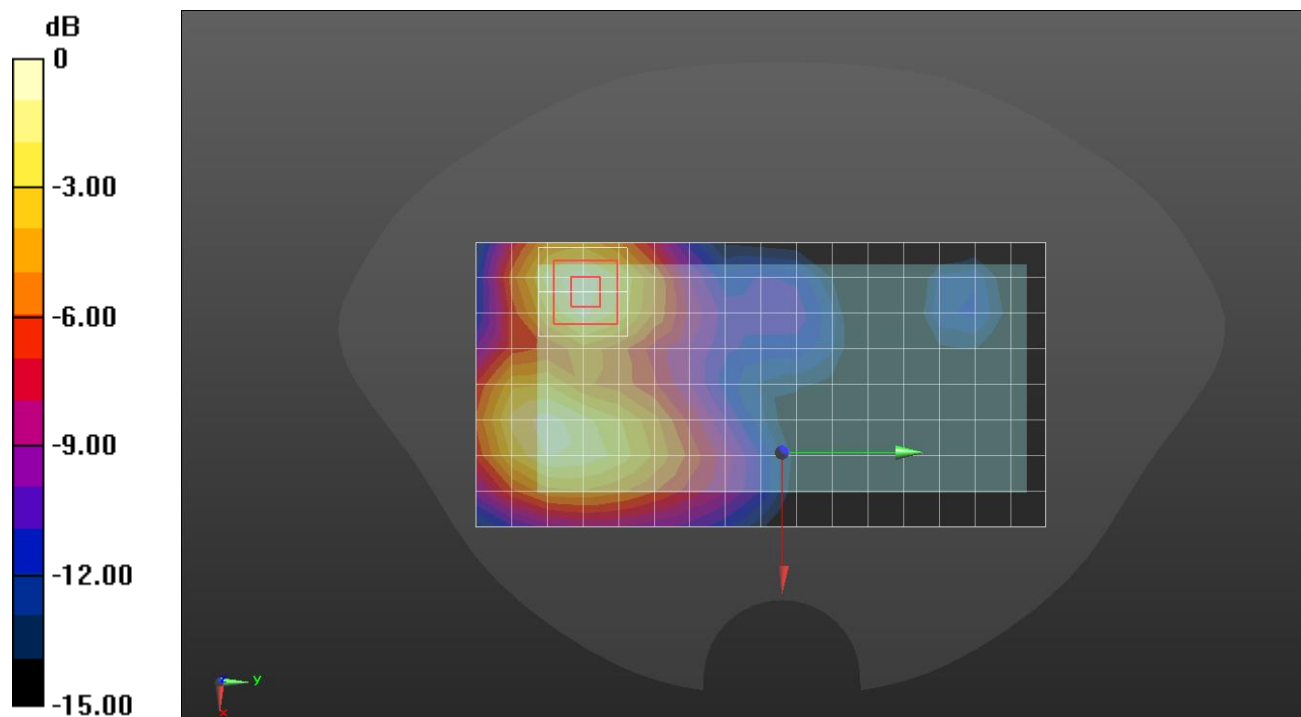
Rear/QPSK RB 1/99 ch.41055/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.56 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.534 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.140 W/kg

Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

LTE Band 41

Frequency: 2636.5 MHz; Duty Cycle: 1:1.59956; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2636.5$ MHz; $\sigma = 1.941$ S/m; $\epsilon_r = 38.47$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.11, 8.11, 8.11) @ 2636.5 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/QPSK RB 50/0 ch.41055/Area Scan (10x6x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.725 W/kg

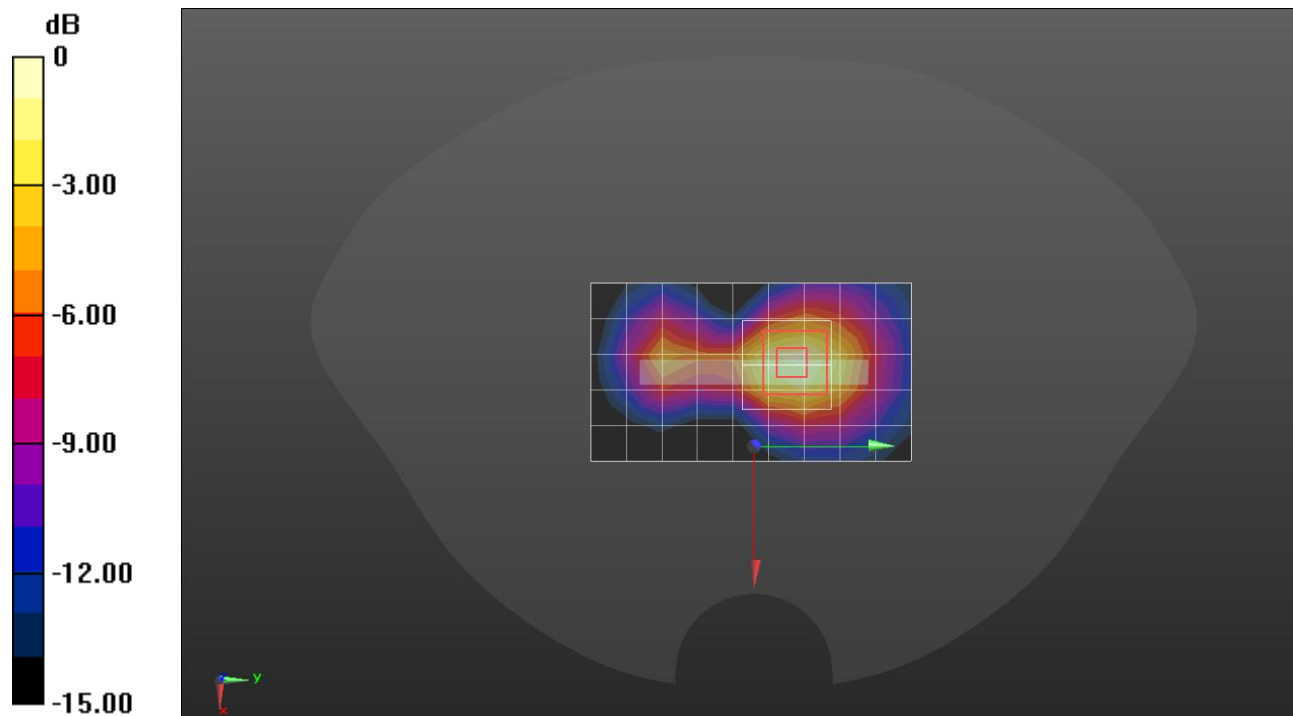
Edge 3/QPSK RB 50/0 ch.41055/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.19 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.974 W/kg

SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.246 W/kg

Maximum value of SAR (measured) = 0.802 W/kg



0 dB = 0.802 W/kg = -0.96 dBW/kg

Measurement Report for Device, CHEEK, Band 66, E-UTRA/FDD, UID 10169 CAE, Channel 132322 (1745.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	Cheek, 0.00	Band 66, E-UTRA/FDD	LTE-FDD, 10169-CAG	1745.0, 132322	9.05	1.34	38.3	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-18	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

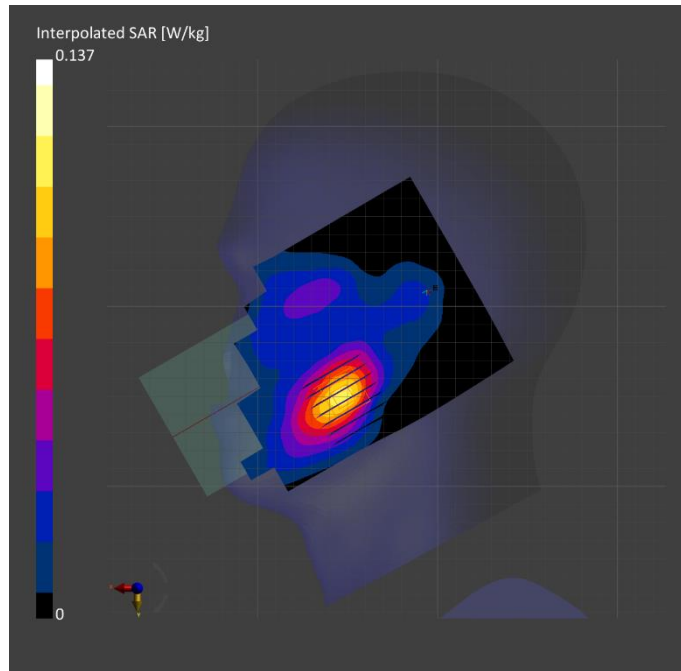
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-19	2021-10-19
Peak SAR (extrapolated) [W/kg]	0.110	0.137
psSAR1g [W/kg]		0.093
psSAR10g [W/kg]		0.059
Power Drift [dB]		0.01

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.352 \text{ S/m}$; $\epsilon_r = 40.411$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(9.3, 9.3, 9.3) @ 1745 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/QPSK RB 1/0 ch.132322/Area Scan (8x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.775 W/kg

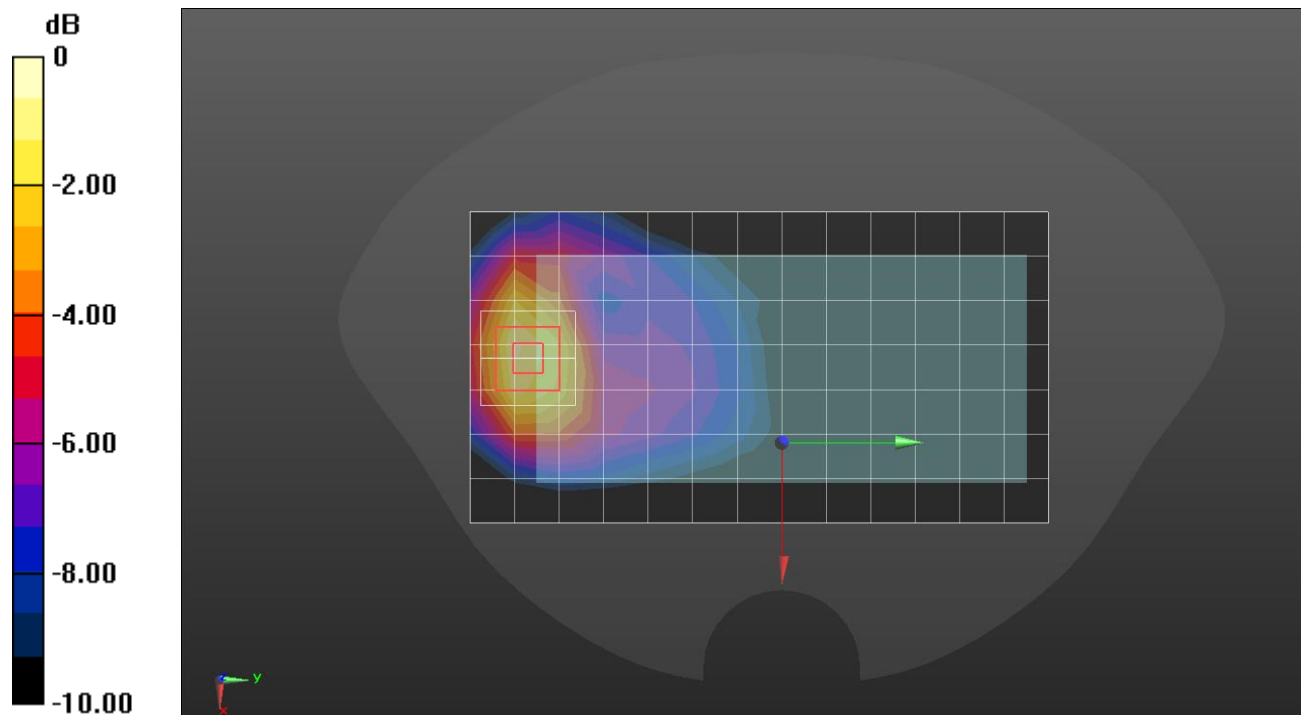
Rear/QPSK RB 1/0 ch.132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 22.68 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.988 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.365 W/kg

Maximum value of SAR (measured) = 0.857 W/kg



0 dB = 0.857 W/kg = -0.67 dBW/kg

LTE Band 66

Frequency: 1770 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 1770$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 40.159$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(9.3, 9.3, 9.3) @ 1770 MHz; Calibrated: 2021-04-15
- Sensor-Surface: Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3/QPSK RB 50/0 ch.132572/Area Scan (9x5x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.34 W/kg

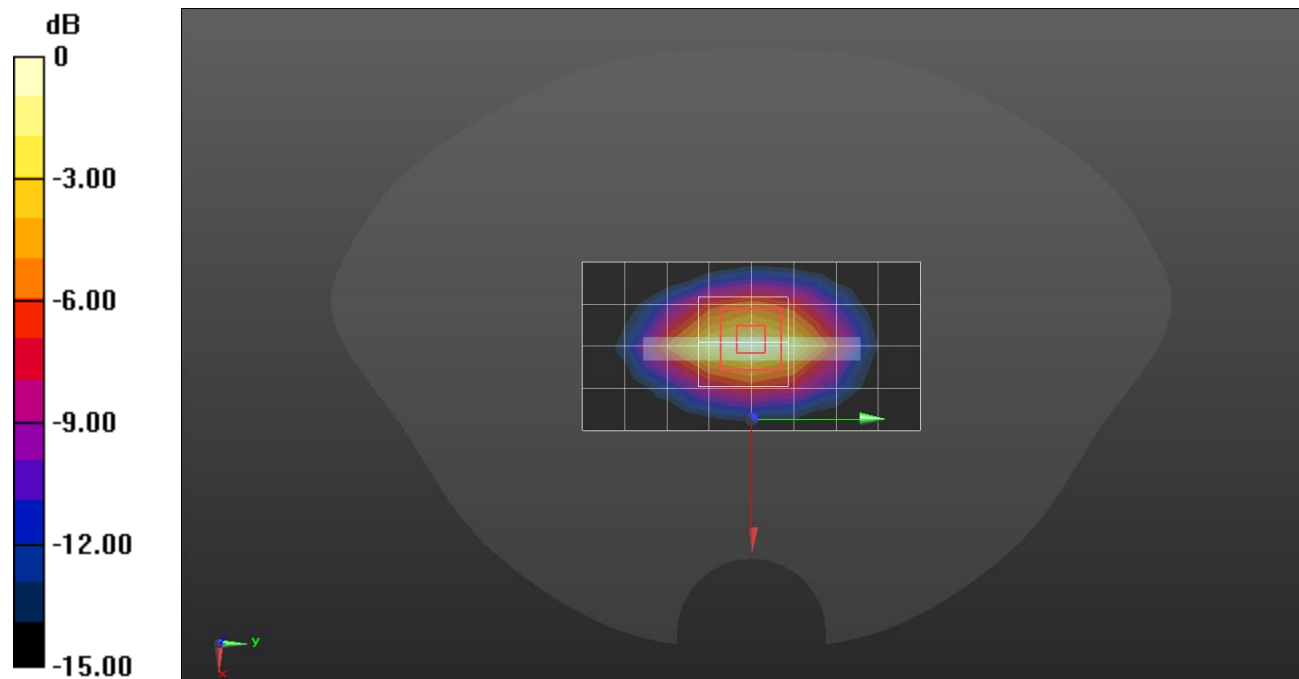
Edge 3/QPSK RB 50/0 ch.132572/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.98 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.908 W/kg; SAR(10 g) = 0.489 W/kg

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

LTE Band 66

Frequency: 1745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.385 \text{ S/m}$; $\epsilon_r = 40.199$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(9.3, 9.3, 9.3) @ 1745 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 3 Phablet Reduce/QPSK RB 1/0_ch 132322/Area Scan (9x5x1): Measurement grid:

$dx=15\text{mm}$, $dy=15\text{mm}$.

Maximum value of SAR (measured) = 5.69 W/kg

Edge 3 Phablet Reduce/QPSK RB 1/0_ch 132322/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

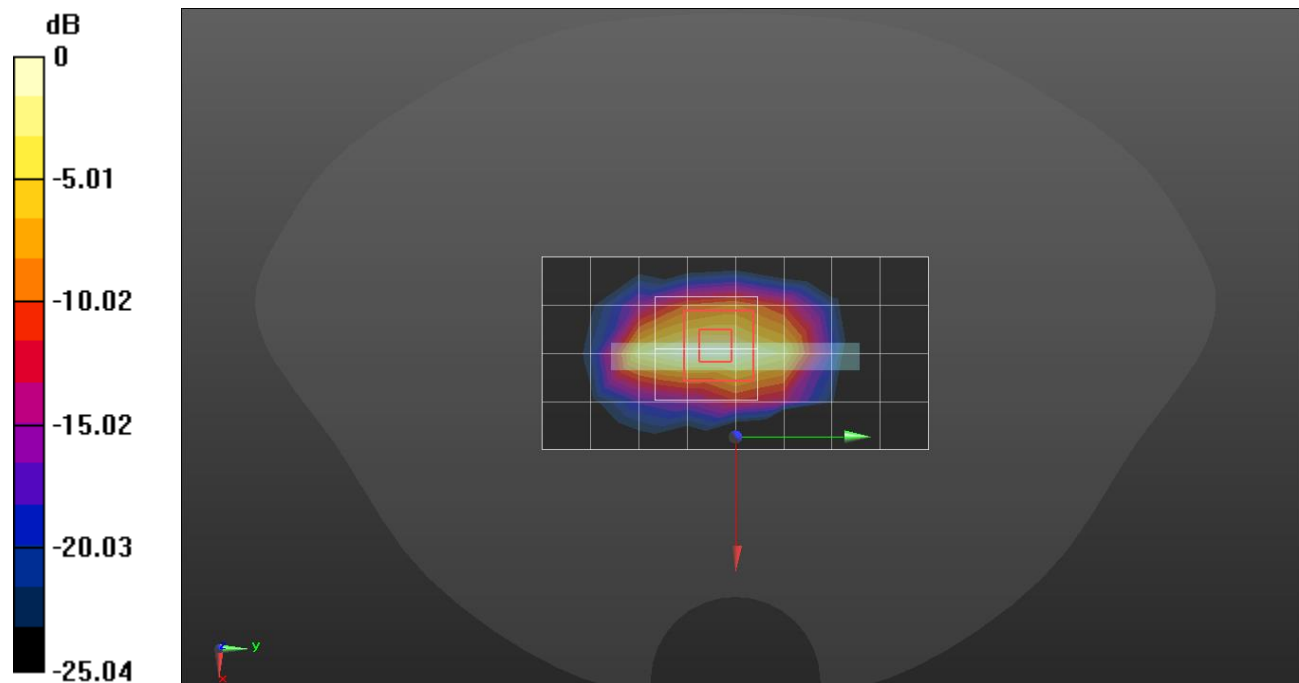
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 58.95 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.92 W/kg

SAR(1 g) = 3.34 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 6.10 W/kg



0 dB = 6.10 W/kg = 7.85 dBW/kg

Measurement Report for Device, TILT, WLAN 2.4GHz, UID 10415 AAA, Channel 1 (2412.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	TILT, 0.00	WLAN 2.4GHz	WLAN, 10415-AAA	2412.0, 1	8.58	1.81	38.9	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-20	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

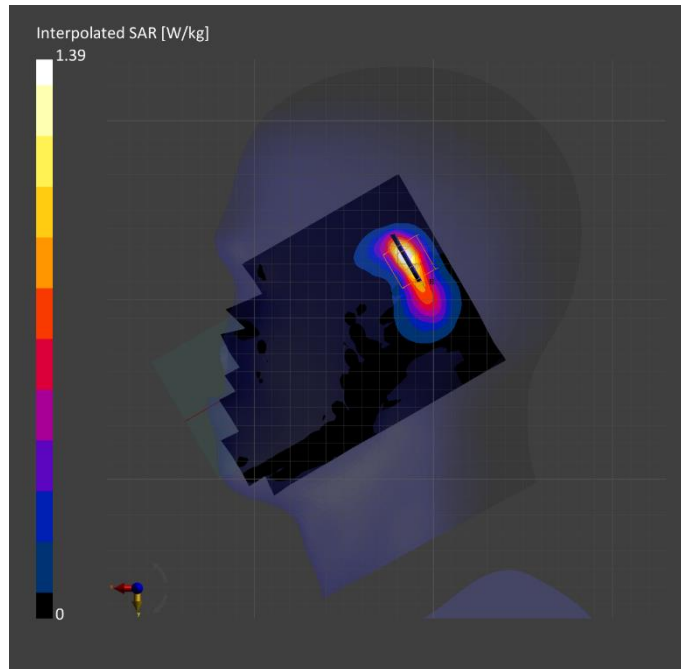
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-21	2021-10-21
Peak SAR (extrapolated) [W/kg]	0.786	1.39
psSAR1g [W/kg]		0.541
psSAR10g [W/kg]		0.218
Power Drift [dB]		0.03

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



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; $\sigma = 1.781$ S/m; $\epsilon_r = 38.695$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.26, 8.26, 8.26) @ 2437 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/802.11 b mode ch.6 Ant.1/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.152 W/kg

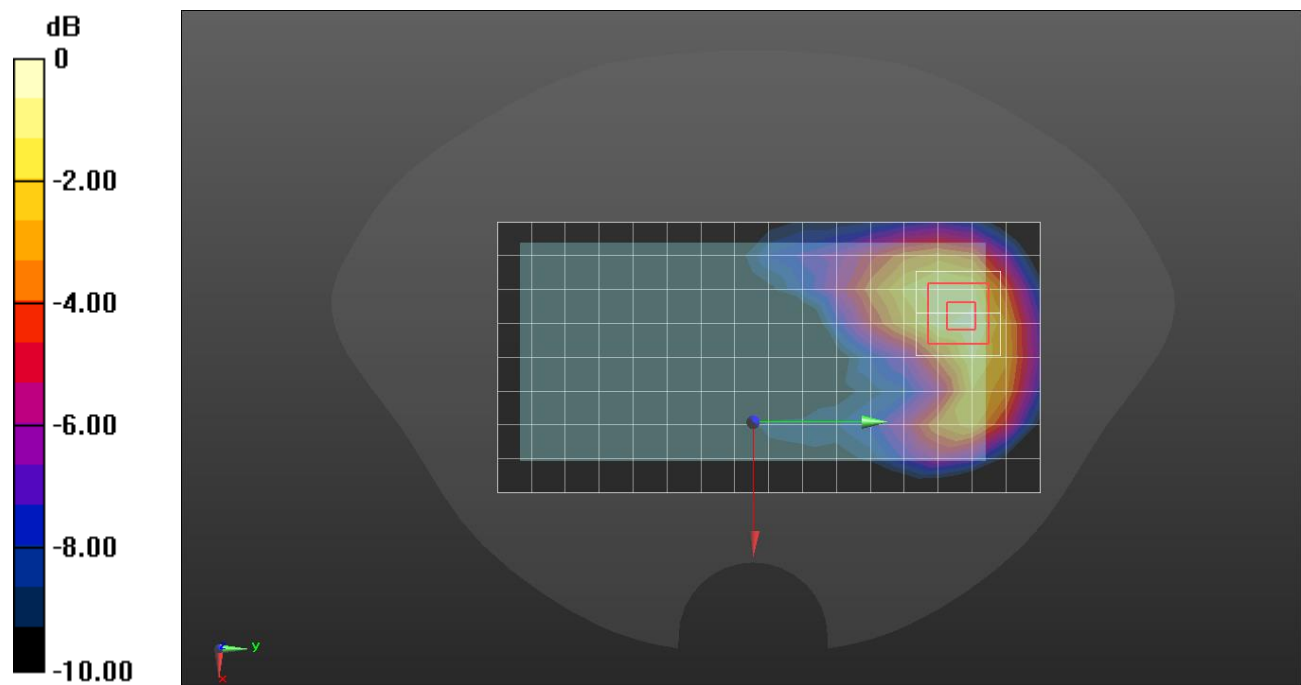
Rear/802.11 b mode ch.6 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.962 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.163 W/kg



0 dB = 0.163 W/kg = -7.88 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; $\sigma = 1.781$ S/m; $\epsilon_r = 38.695$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.26, 8.26, 8.26) @ 2437 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 1/802.11 b mode ch.6 Ant.1/Area Scan (11x6x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 0.439 W/kg

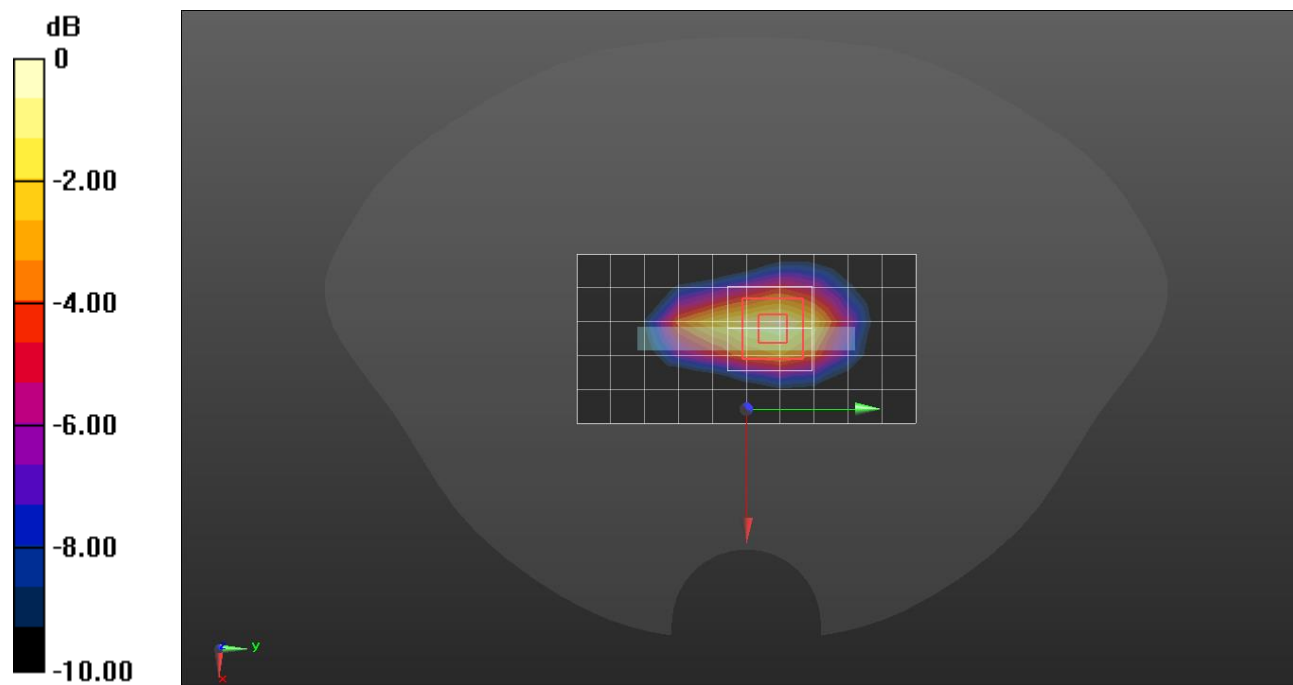
Edge 1/802.11 b mode ch.6 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.84 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.578 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.157 W/kg

Maximum value of SAR (measured) = 0.477 W/kg



0 dB = 0.477 W/kg = -3.21 dBW/kg

Measurement Report for Device, CHEEK, U-NII-1, U-NII-2A, UID 10626 AAC, Channel 58 (5290.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	CHEEK, 0.00	U-NII-1, U-NII-2A	U-NII-1, U-NII-2A	5290.0, 58	5.76	4.79	35.4	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-20	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

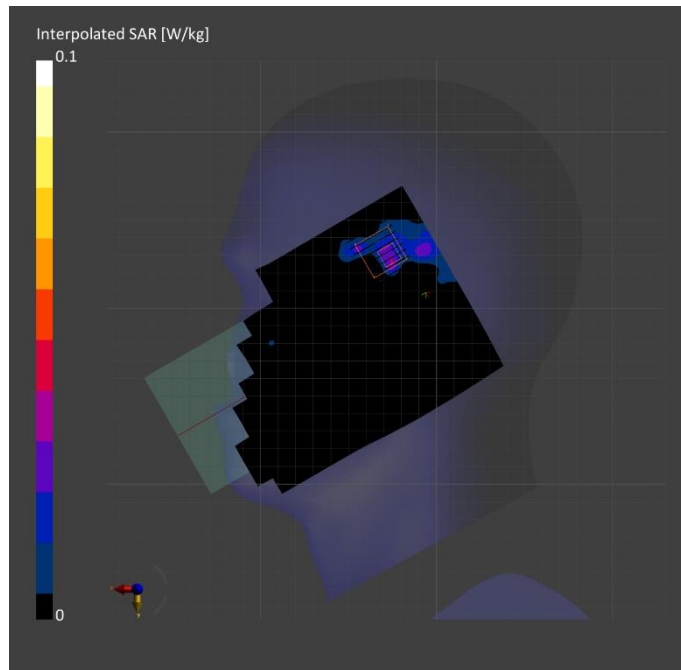
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-22	2021-10-22
Peak SAR (extrapolated) [W/kg]	0.035	0.1
psSAR1g [W/kg]		0.028
psSAR10g [W/kg]		0.006
Power Drift [dB]		-0.16

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Wi-Fi 5.3 GHz

Frequency: 5320 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.81$ S/m; $\epsilon_r = 35.119$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7645; ConvF(5.94, 5.94, 5.94) @ 5320 MHz; Calibrated: 4/15/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/802.11 a mode ch.64 SISO Ant 2/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 7.00 W/kg

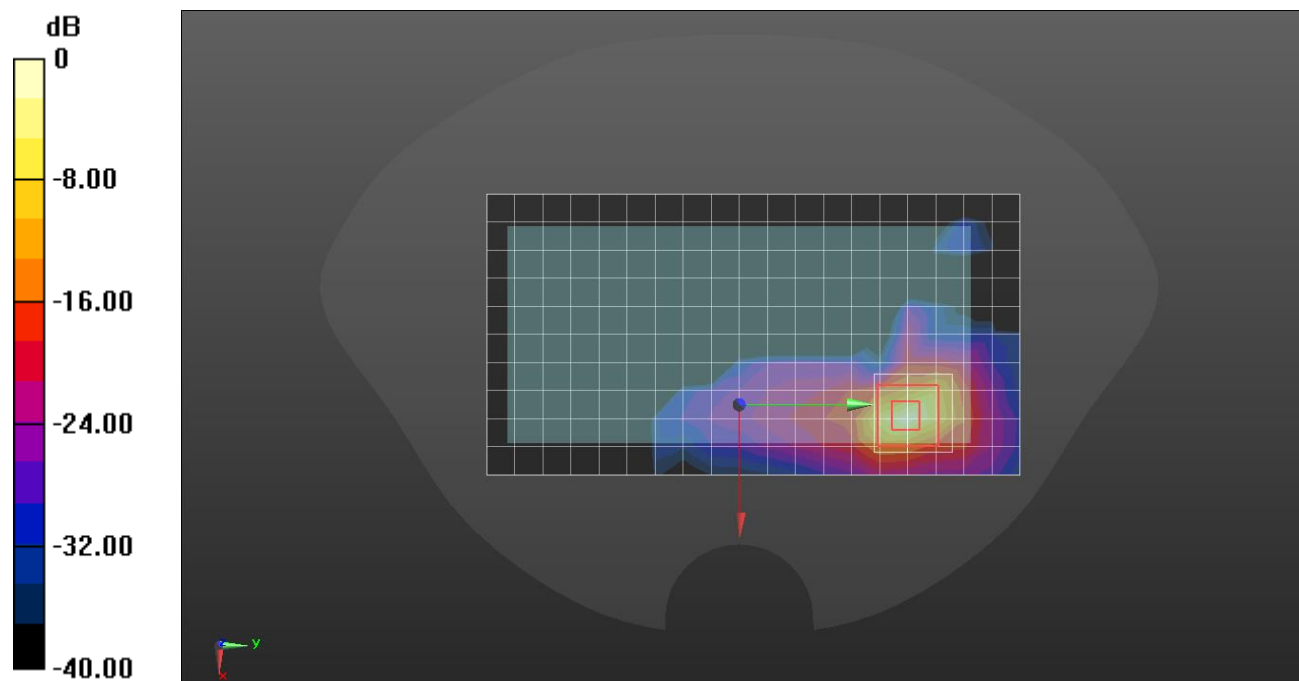
Rear/802.11 a mode ch.64 SISO Ant 2/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 43.61 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 2.5 W/kg; SAR(10 g) = 0.532 W/kg

Maximum value of SAR (measured) = 7.50 W/kg



0 dB = 7.50 W/kg = 8.75 dBW/kg

Wi-Fi 5.3 GHz

Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5300$ MHz; $\sigma = 4.786$ S/m; $\epsilon_r = 35.172$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7645; ConvF(5.94, 5.94, 5.94) @ 5300 MHz; Calibrated: 4/15/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/802.11 a mode ch.60 MIMO/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.625 W/kg

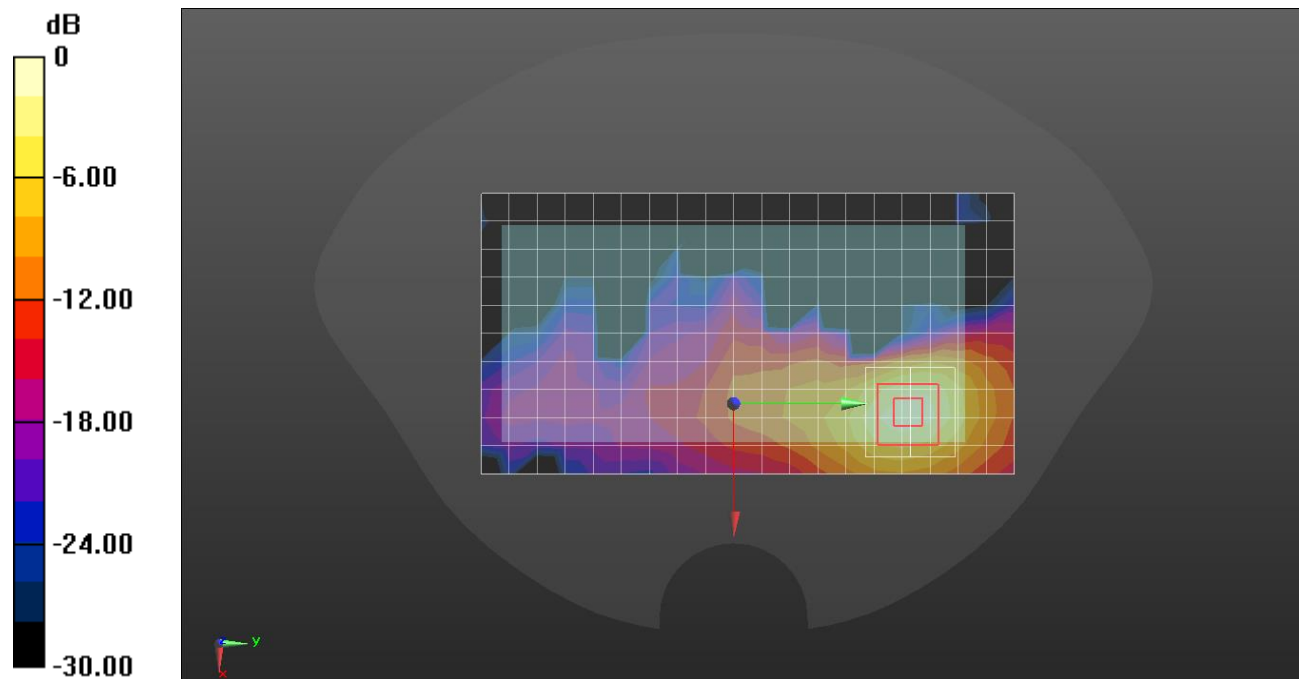
Rear/802.11 a mode ch.60 MIMO/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 13.06 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.111 W/kg

Maximum value of SAR (measured) = 0.677 W/kg



0 dB = 0.677 W/kg = -1.69 dBW/kg

Measurement Report for Device, CHEEK, U-NII-2C < 5.65 GHz, UID 10626 AAC, Channel 122 (5610.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	CHEEK, 0.00	U-NII-2C< 5.65GHz	WLAN, 10626-AAC	5610.0, 122	5.27	5.15	35.0	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-25	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

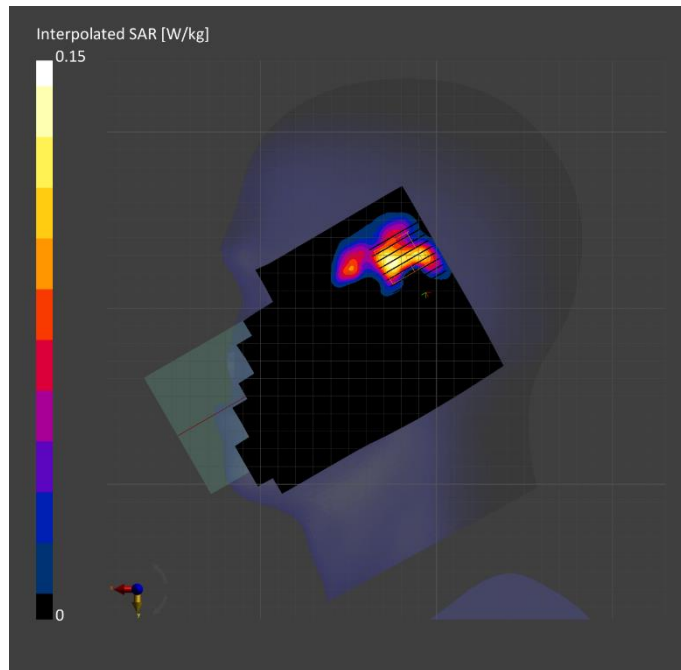
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-25	2021-10-25
Peak SAR (extrapolated) [W/kg]	0.095	0.15
psSAR1g [W/kg]		0.107
psSAR10g [W/kg]		0.036
Power Drift [dB]		0.19

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



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: $f = 5620 \text{ MHz}$; $\sigma = 5.16 \text{ S/m}$; $\epsilon_r = 34.51$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 9/27/2021
- Probe: EX3DV4 - SN7645; ConvF(5.29, 5.29, 5.29) @ 5620 MHz; Calibrated: 4/15/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 4/802.11 a mode ch.124 SISO Ant 1/Area Scan (21x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 4.27 W/kg

Edge 4/802.11 a mode ch.124 SISO Ant 1/Zoom Scan (9x10x7)/Cube 0: Measurement grid:

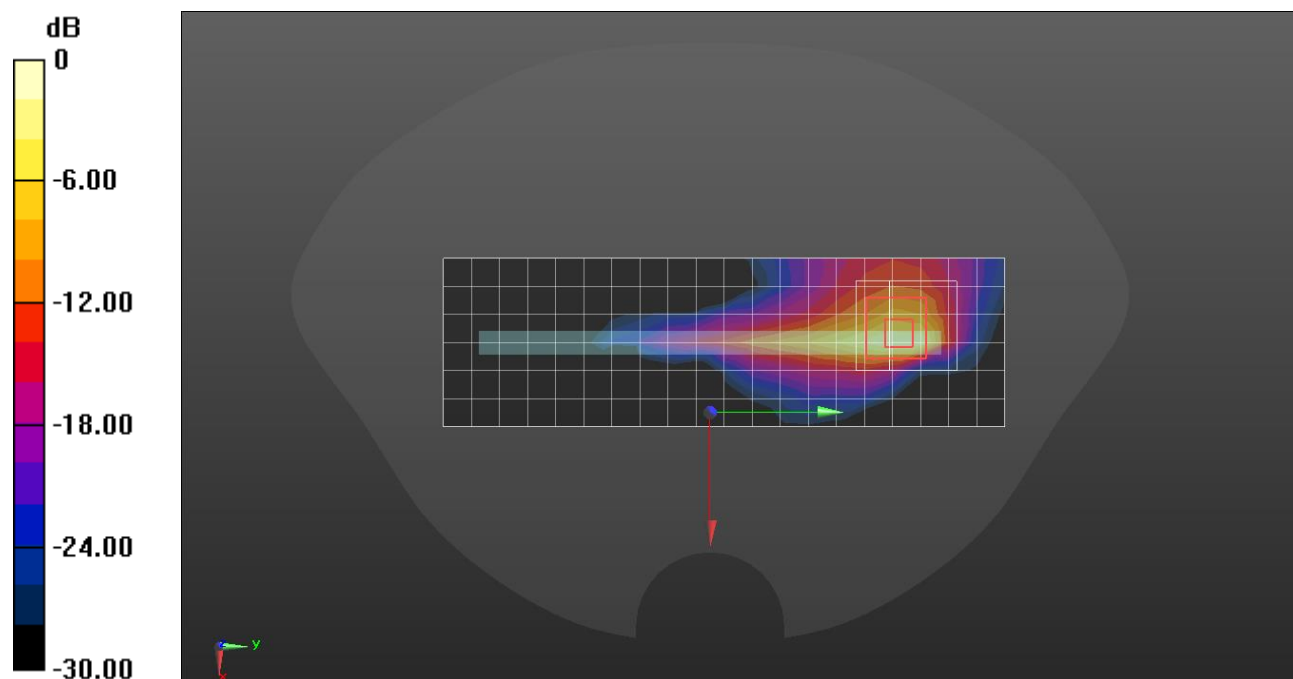
dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 38.01 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 14.1 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 0.535 W/kg

Maximum value of SAR (measured) = 6.42 W/kg



0 dB = 6.42 W/kg = 8.08 dBW/kg

Wi-Fi 5.5 GHz

Frequency: 5500 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.013$ S/m; $\epsilon_r = 34.747$; $\rho = 1000$ 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: 9/27/2021
- Probe: EX3DV4 - SN7645; ConvF(5.29, 5.29, 5.29) @ 5500 MHz; Calibrated: 4/15/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/802.11 a mode ch.100 MIMO/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 0.605 W/kg

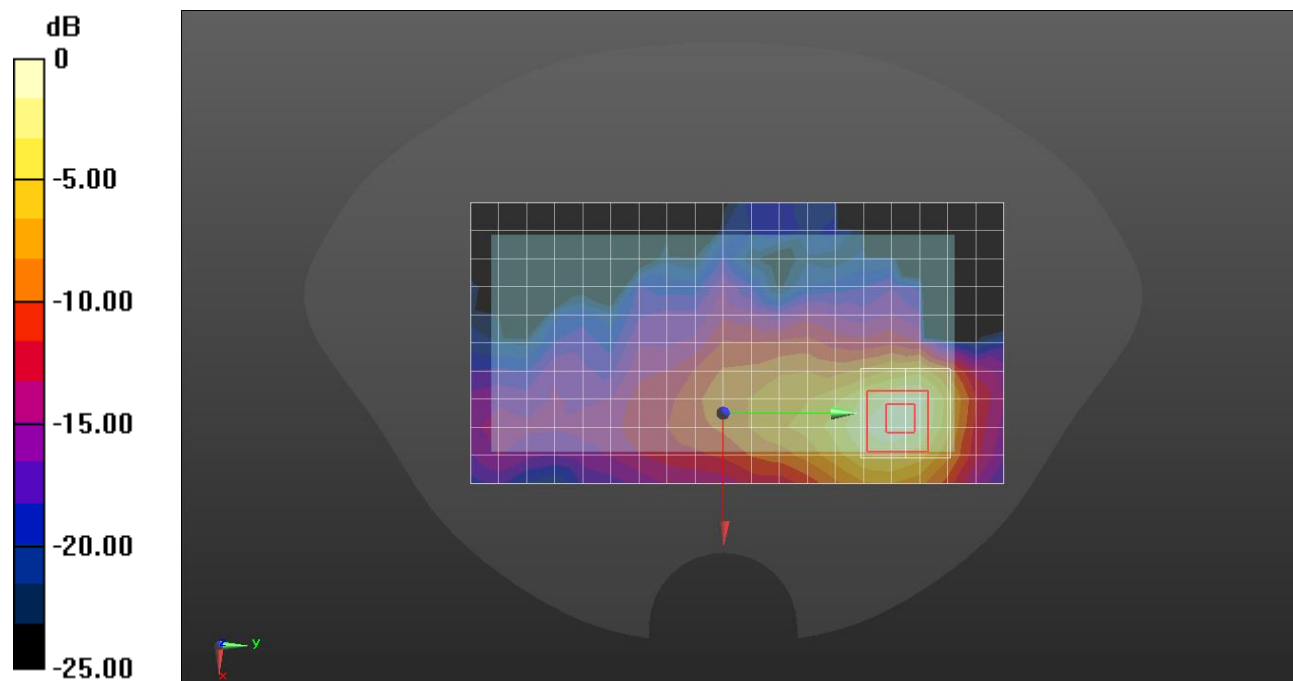
Rear/802.11 a mode ch.100 MIMO/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.64 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.650 W/kg



0 dB = 0.650 W/kg = -1.87 dBW/kg

Measurement Report for Device, CHEEK, WLAN 5GHz, UID 10626 AAC, Channel 155 (5775.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	CHEEK, 0.00	WLAN 5GHz	WLAN, 10626-AAC	5775.0, 155	5.29	5.34	34.7	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-25	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

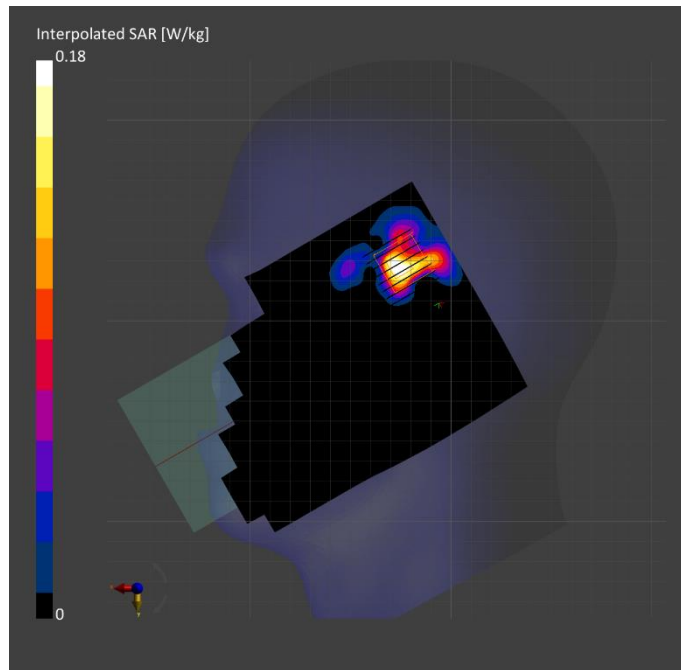
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-26	2021-10-26
Peak SAR (extrapolated) [W/kg]	0.185	0.18
psSAR1g [W/kg]		0.135
psSAR10g [W/kg]		0.041
Power Drift [dB]		-0.13

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Wi-Fi 5.8 GHz

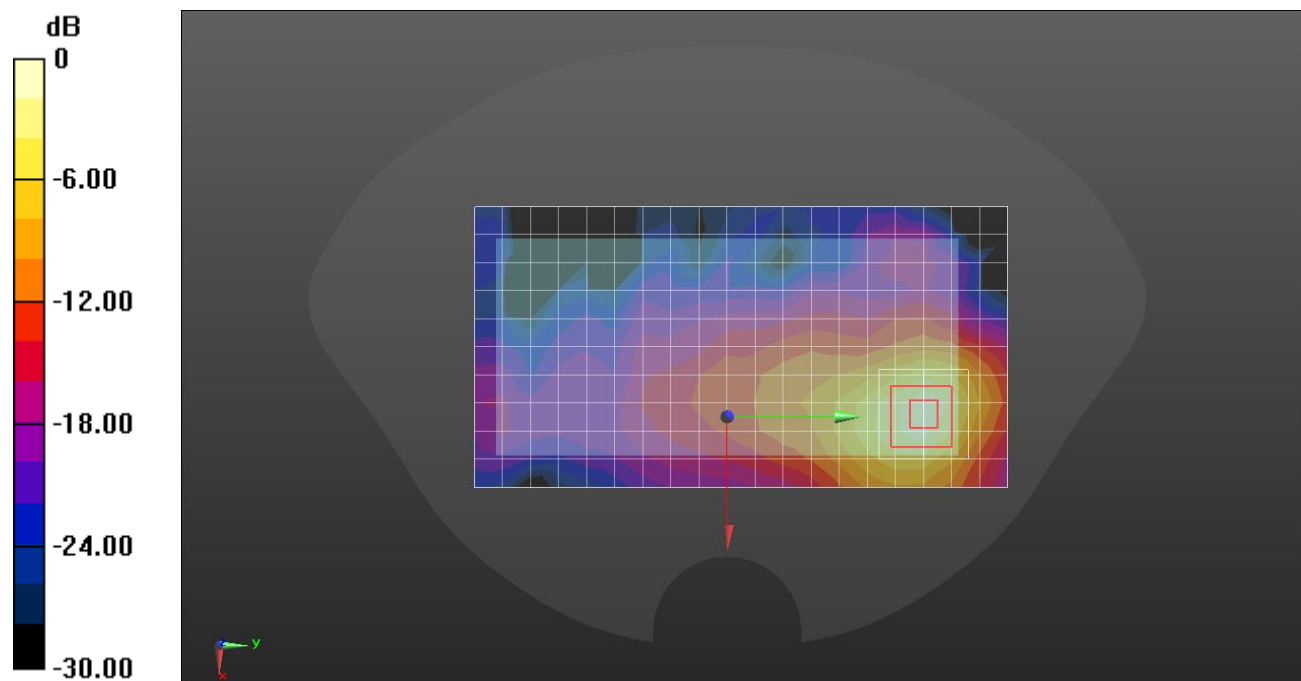
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.317 \text{ S/m}$; $\epsilon_r = 34.236$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 9/27/2021
- Probe: EX3DV4 - SN7645; ConvF(5.41, 5.41, 5.41) @ 5745 MHz; Calibrated: 4/15/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/802.11 a mode ch.149 MIMO/Area Scan (20x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (measured) = 1.67 W/kg

Rear/802.11 a mode ch.149 MIMO/Zoom Scan (9x9x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$
 Reference Value = 20.43 V/m; Power Drift = -0.04 dB
 Peak SAR (extrapolated) = 2.99 W/kg
SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.279 W/kg
 Maximum value of SAR (measured) = 1.80 W/kg



0 dB = 1.80 W/kg = 2.55 dBW/kg

Wi-Fi 5.8 GHz

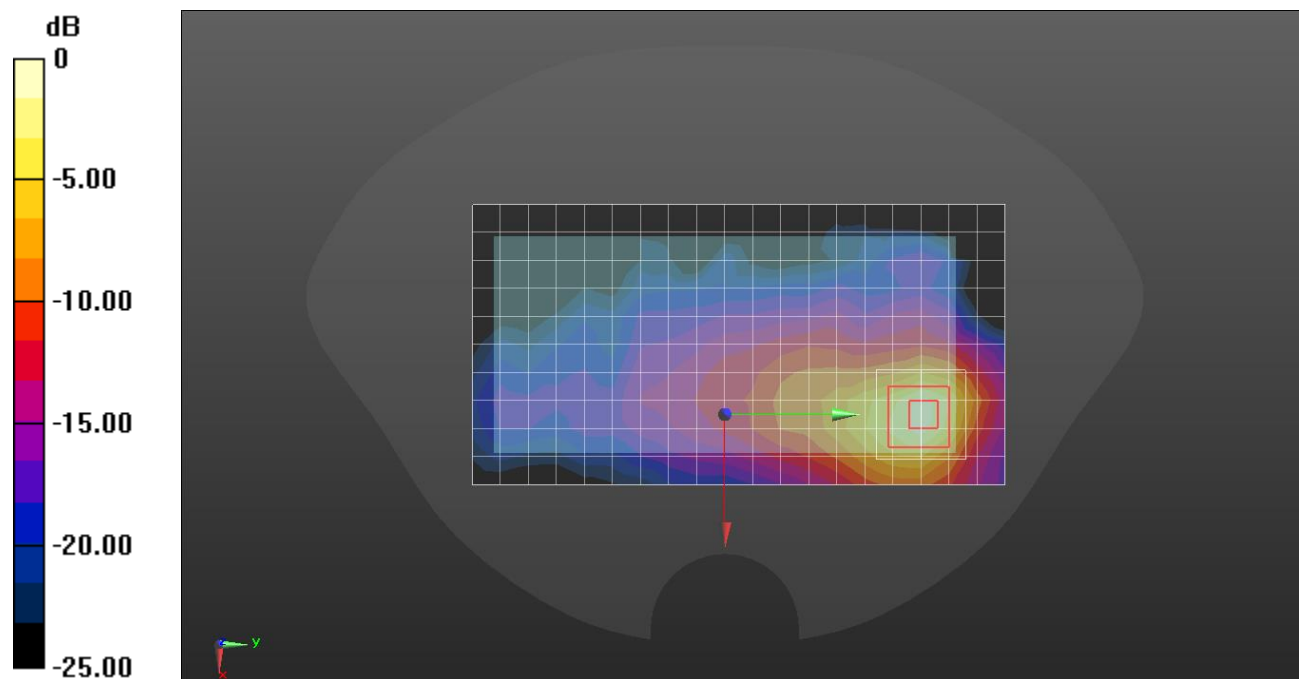
Frequency: 5745 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.202 \text{ S/m}$; $\epsilon_r = 34.169$; $\rho = 1000 \text{ kg/m}^3$

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 Sn1468; Calibrated: 9/27/2021
- Probe: EX3DV4 - SN7645; ConvF(5.41, 5.41, 5.41) @ 5745 MHz; Calibrated: 4/15/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/802.11 a mode ch.149 MIMO/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 1.67 W/kg

Rear/802.11 a mode ch.149 MIMO/Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
 Reference Value = 21.66 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 3.41 W/kg
SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.284 W/kg
 Maximum value of SAR (measured) = 2.00 W/kg



0 dB = 2.00 W/kg = 3.01 dBW/kg

Measurement Report for Device, TILT, ISM 2.4 GHz Band, UID 10032 CAA, Channel 39 (2441.0MHz)

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	Room Ambient Temperature	Liquid Temperature
Right Head	TILT, 0.00	2.4GHz Band	Bluetooth, 10032-CAA	2441.0, 39	8.58	1.86	38.7	23.0°C	22.0°C

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2039	HBBL-600-10000 2021-Oct-27	EX3DV4 - SN7646, 2021-04-23	DAE4 Sn1670, 2021-05-06

Scan Setup

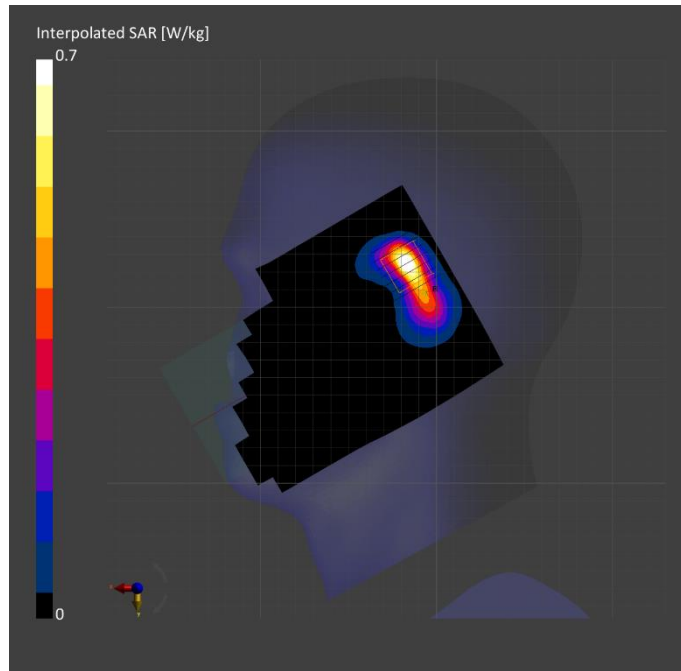
	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]		1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-10-27	2021-10-27
Peak SAR (extrapolated) [W/kg]	0.763	1.38
psSAR1g [W/kg]		0.530
psSAR10g [W/kg]		0.209
Power Drift [dB]		0.02

Warning(s) / Error(s)

Details	Area Scan	Zoom Scan
Warning(s)		
Error(s)		



Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.784$ S/m; $\epsilon_r = 38.686$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.26, 8.26, 8.26) @ 2441 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Rear/Bluetooth GFSK ch.39/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0974 W/kg

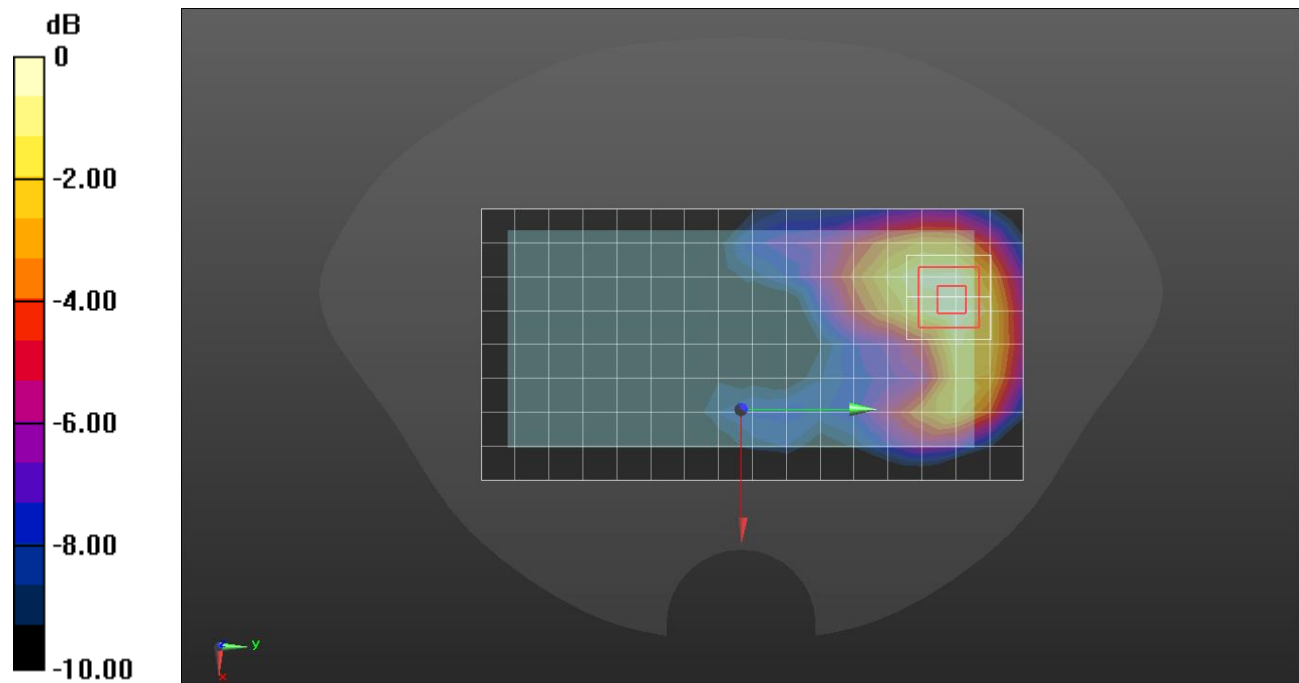
Rear/Bluetooth GFSK ch.39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.914 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.115 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.038 W/kg

Maximum value of SAR (measured) = 0.0959 W/kg



0 dB = 0.0959 W/kg = -10.18 dBW/kg

Bluetooth

Frequency: 2441 MHz; Duty Cycle: 1:1.29033; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.784$ S/m; $\epsilon_r = 38.686$; $\rho = 1000$ 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: 2021-09-27
- Probe: EX3DV4 - SN7645; ConvF(8.26, 8.26, 8.26) @ 2441 MHz; Calibrated: 2021-04-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: Twin-SAM V5.0 (Right); Type: QD 000 P40 CD; Serial: 1855

Edge 1/Bluetooth GFSK ch.39/Area Scan (10x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.247 W/kg

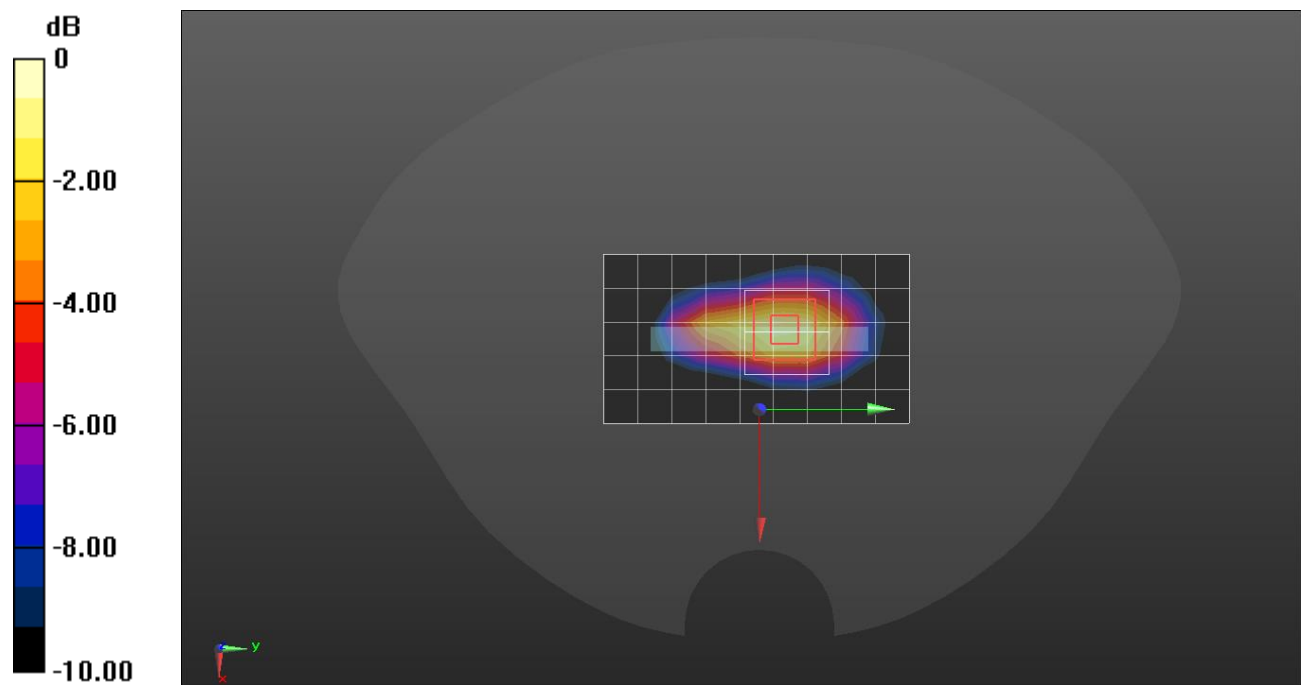
Edge 1/Bluetooth GFSK ch.39/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.65 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.277 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg