

## APPENDIX A: SAR TEST DATA

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0413M**

Communication System: UID 0, GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Head; Medium parameters used (interpolated):

$f = 836.6$  MHz;  $\sigma = 0.944$  S/m;  $\epsilon_r = 41.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section; Space: 0.0 cm

Test Date: 10/24/2021; Ambient Temp: 21.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7402; ConvF(10.05, 10.05, 10.05) @ 836.6 MHz; Calibrated: 4/16/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 4/9/2021

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1868

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: GSM 850, Right Head, Cheek, Mid.ch**

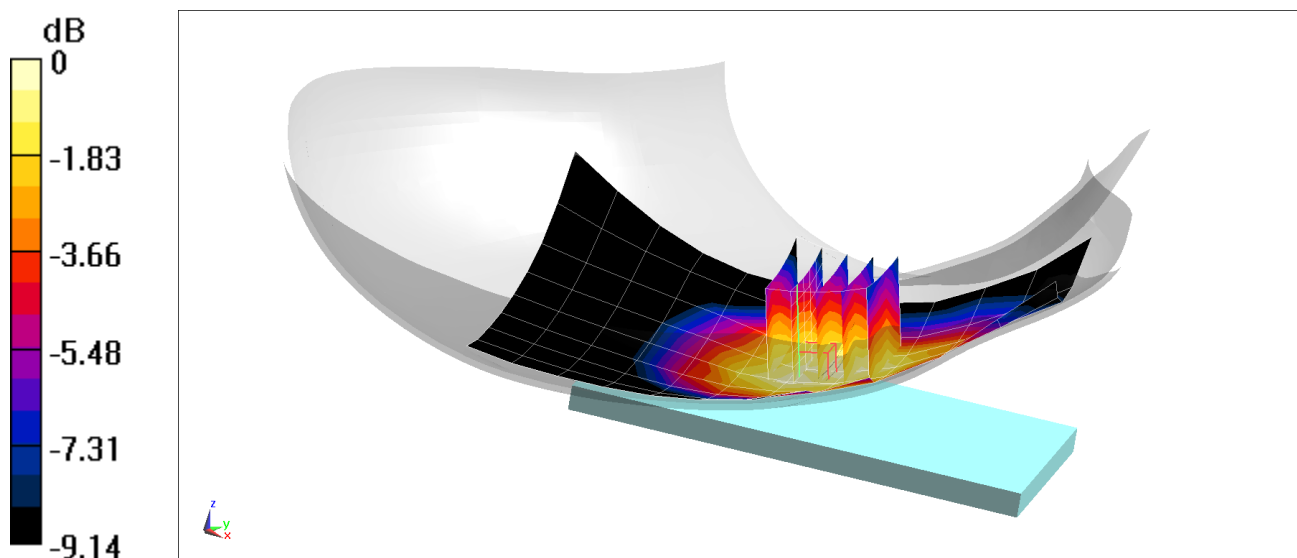
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.57 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.207 W/kg**



0 dB = 0.242 W/kg = -6.16 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0827M**

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1850.2$  MHz;  $\text{cond} = 1.42$  S/m;  $\text{perm} = 39.5$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 10/13/2021; Ambient Temp:23.0°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7532; ConvF:(8.25,8.25,8.25); Calibrated: 2021-04-19

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn501; Calibrated: 2021-04-13

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: GSM 1900, Left Head, Cheek, Low.Ch**

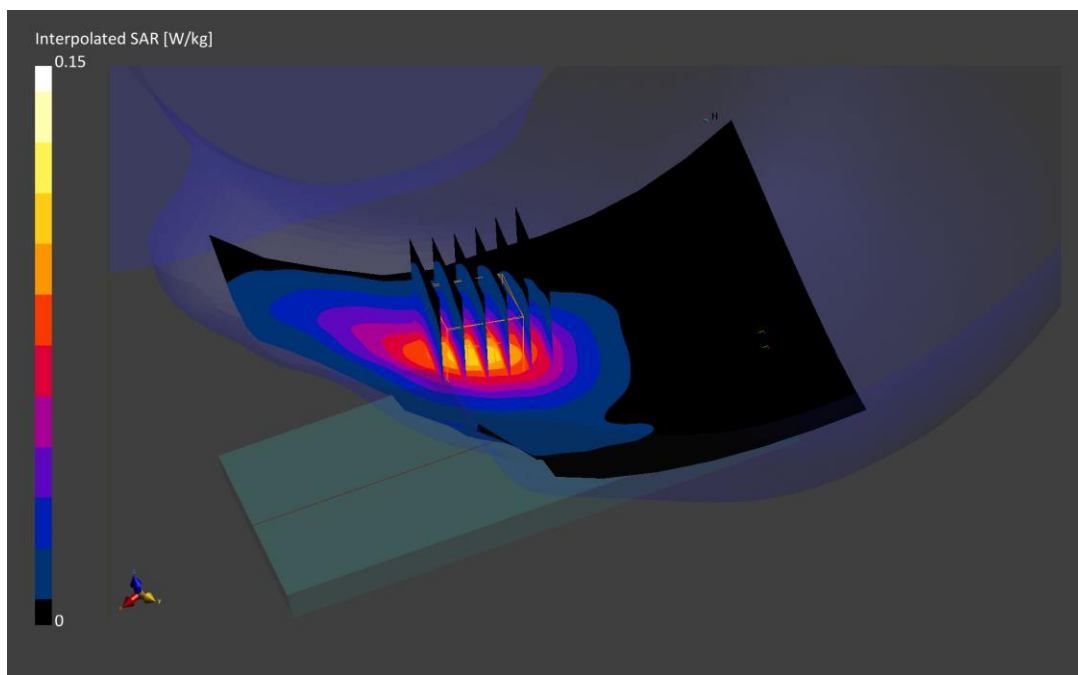
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.10 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.150 W/kg

**SAR(1 g) = 0.095 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0413M**

Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 835 Head; Medium parameters used (interpolated):

$f = 836.6$  MHz;  $\sigma = 0.944$  S/m;  $\epsilon_r = 41.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section; Space: 0.0 cm

Test Date: 10/24/2021; Ambient Temp: 21.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7402; ConvF(10.05, 10.05, 10.05) @ 836.6 MHz; Calibrated: 4/16/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 4/9/2021

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1868

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: UMTS 850, Right Head, Cheek, Mid.ch**

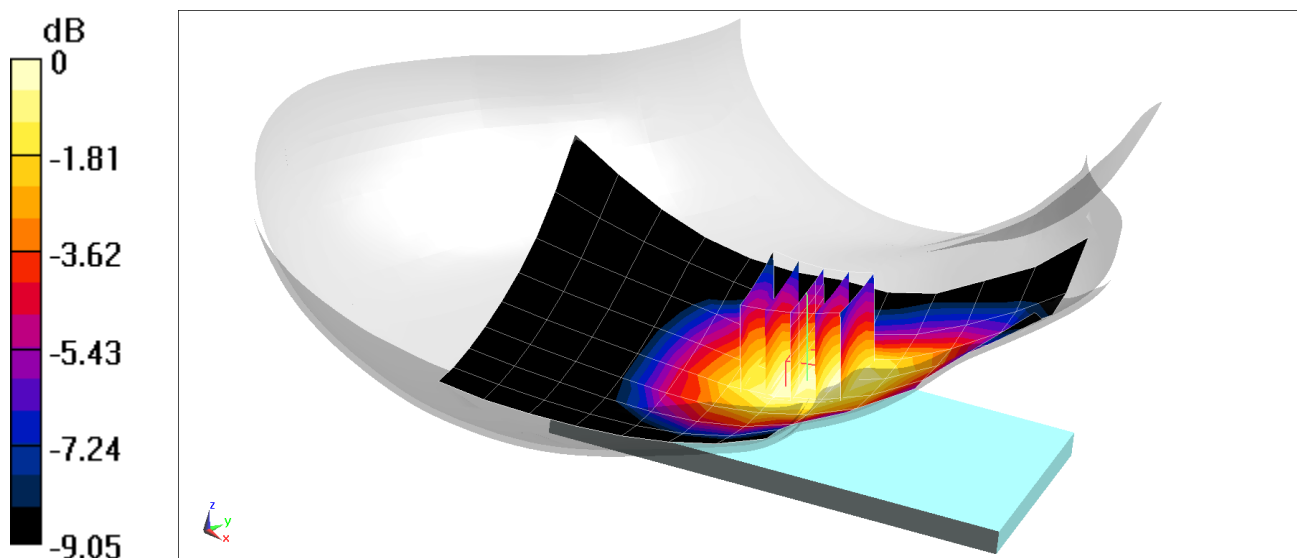
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 18.54 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.397 W/kg

**SAR(1 g) = 0.315 W/kg**



0 dB = 0.371 W/kg = -4.31 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0866M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1752.6 MHz

Medium: 1750 Head; Medium parameters used:

$f = 1752.6$  MHz;  $\text{cond} = 1.37$  S/m;  $\text{perm} = 40.1$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 10/08/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7532; ConvF:(8.61,8.61,8.61); Calibrated: 2021-04-19

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn501; Calibrated: 2021-04-13

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1750, Left Head, Cheek, High.Ch**

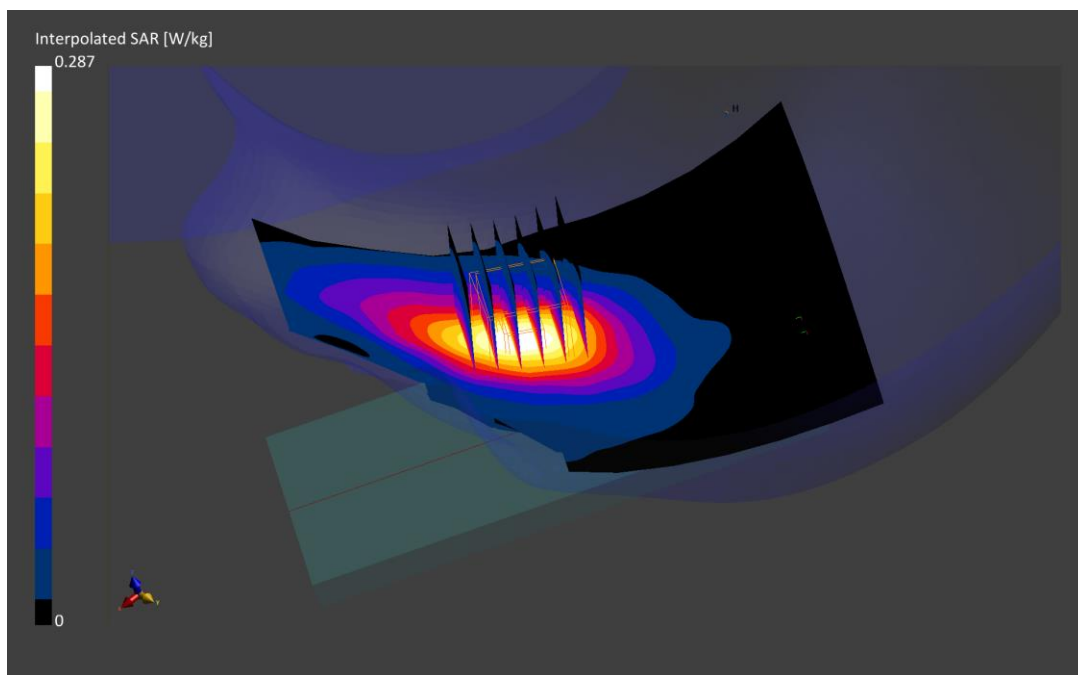
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.19 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.287 W/kg

**SAR(1 g) = 0.185 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1852.4 MHz

Medium: 1900 Head; Medium parameters used:

f = 1852.4 MHz; cond = 1.43 S/m; perm = 39.8; density = 1000 kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 11/03/2021; Ambient Temp: 23.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7532; ConvF:(8.25,8.25,8.25); Calibrated: 2021-04-19

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn501; Calibrated: 2021-04-13

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1900, Left Head, Cheek, Low.Ch**

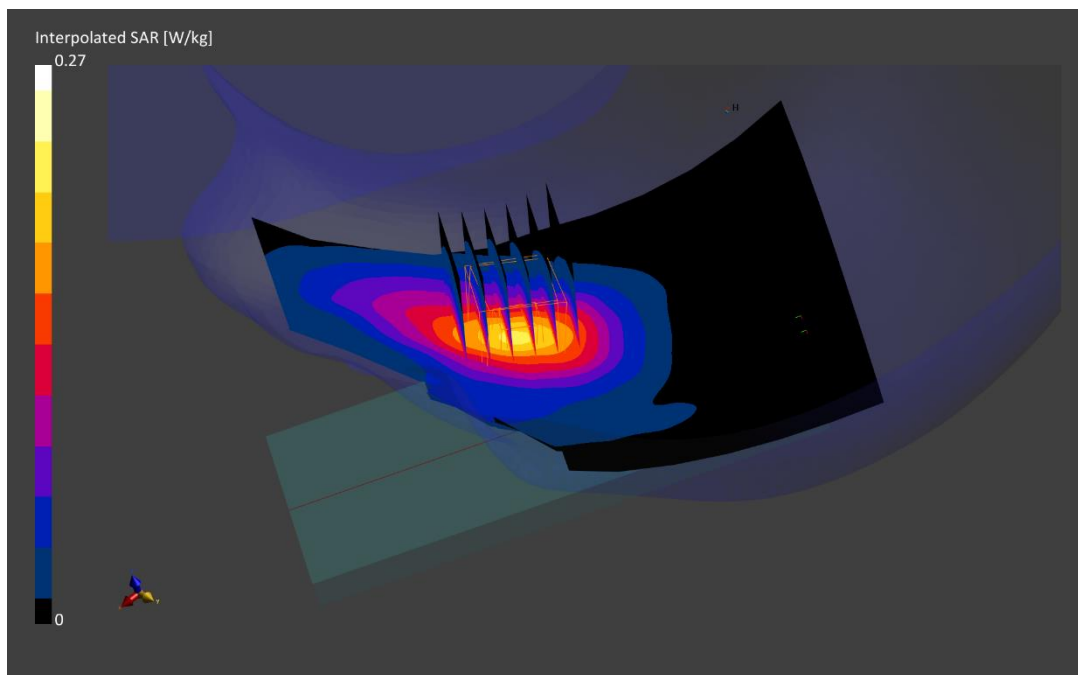
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.18 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.270 W/kg

**SAR(1 g) = 0.176 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0413M**

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: 750 Head; Medium parameters used (interpolated):  
 $f = 707.5$  MHz;  $\sigma = 0.908$  S/m;  $\epsilon_r = 41.543$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section; Space: 0.0 cm

Test Date: 10/21/2021; Ambient Temp: 21.6°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7402; ConvF(10.26, 10.26, 10.26) @ 707.5 MHz; Calibrated: 4/16/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1502; Calibrated: 4/9/2021  
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1868  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 12, Left Head, Cheek, Mid.ch, QPSK  
10 MHz Bandwidth, 1 RB, 0 RB Offset**

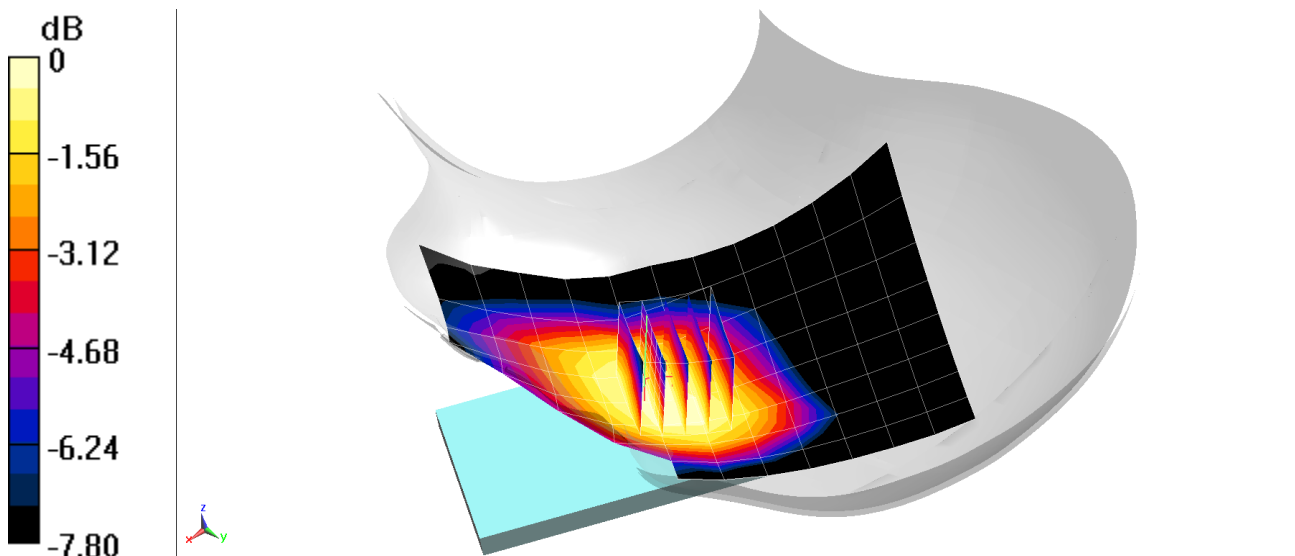
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.68 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.120 W/kg

**SAR(1 g) = 0.099 W/kg**



0 dB = 0.113 W/kg = -9.47 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0413M**

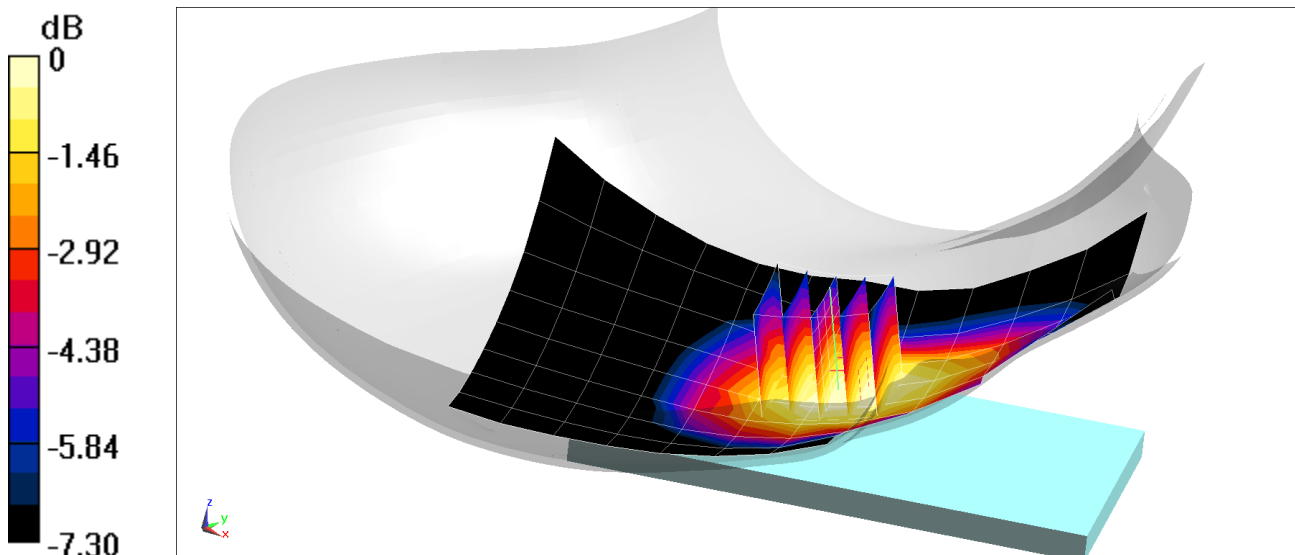
Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: 750 Head; Medium parameters used (interpolated):  
 $f = 782 \text{ MHz}$ ;  $\sigma = 0.933 \text{ S/m}$ ;  $\epsilon_r = 41.307$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section; Space: 0.0 cm

Test Date: 10/21/2021; Ambient Temp: 21.6°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7402; ConvF(10.26, 10.26, 10.26) @ 782 MHz; Calibrated: 4/16/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1502; Calibrated: 4/9/2021  
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1868  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 13, Right Head, Cheek, Mid.ch**  
**10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.88 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.265 W/kg  
**SAR(1 g) = 0.219 W/kg**



0 dB = 0.250 W/kg = -6.02 dBW/kg



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0413M**

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: 835 Head; Medium parameters used (interpolated):  
 $f = 831.5$  MHz;  $\sigma = 0.942$  S/m;  $\epsilon_r = 41.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section; Space: 0.0 cm

Test Date: 10/24/2021; Ambient Temp: 21.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7402; ConvF(10.05, 10.05, 10.05) @ 831.5 MHz; Calibrated: 4/16/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1502; Calibrated: 4/9/2021  
Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1868  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 26 (Cell.), Right Head, Cheek, Mid.ch**  
**15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset**

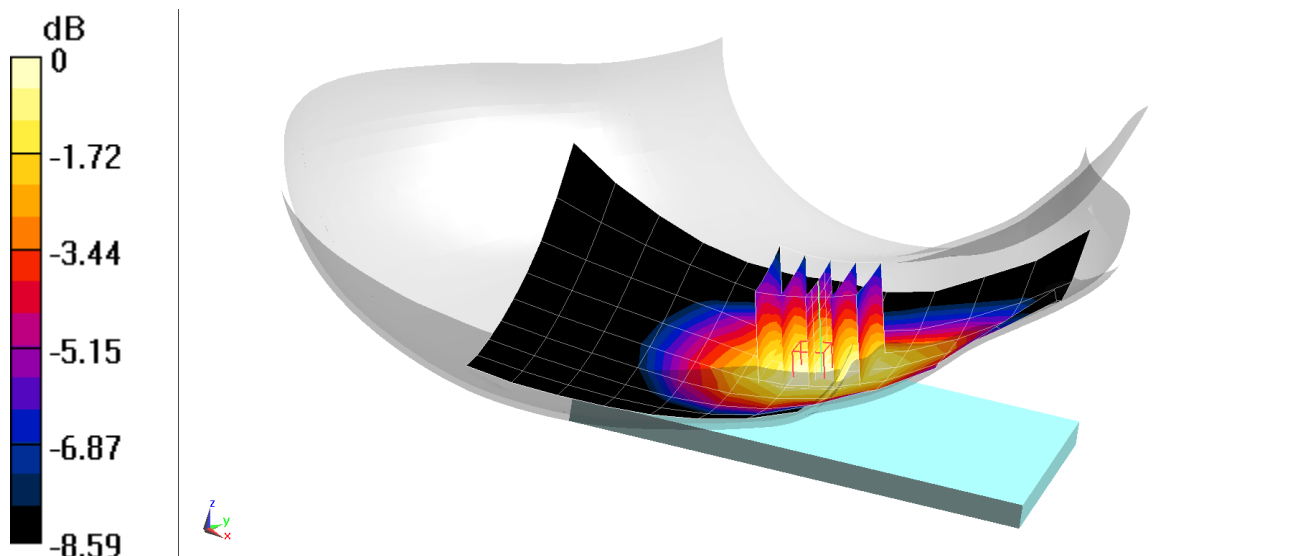
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 16.61 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.310 W/kg

**SAR(1 g) = 0.244 W/kg**



0 dB = 0.286 W/kg = -5.44 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0866M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Head; Medium parameters used:

$f = 1770.0$  MHz;  $\text{cond} = 1.38$  S/m;  $\text{perm} = 39.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: LeftHead; Space: 0.00 mm

Test Date: 11/01/2021; Ambient Temp: 22.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7532; ConvF:(8.61,8.61,8.61); Calibrated: 2021-04-19

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn501; Calibrated: 2021-04-13

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 66 (AWS), Left Head, Cheek, High.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

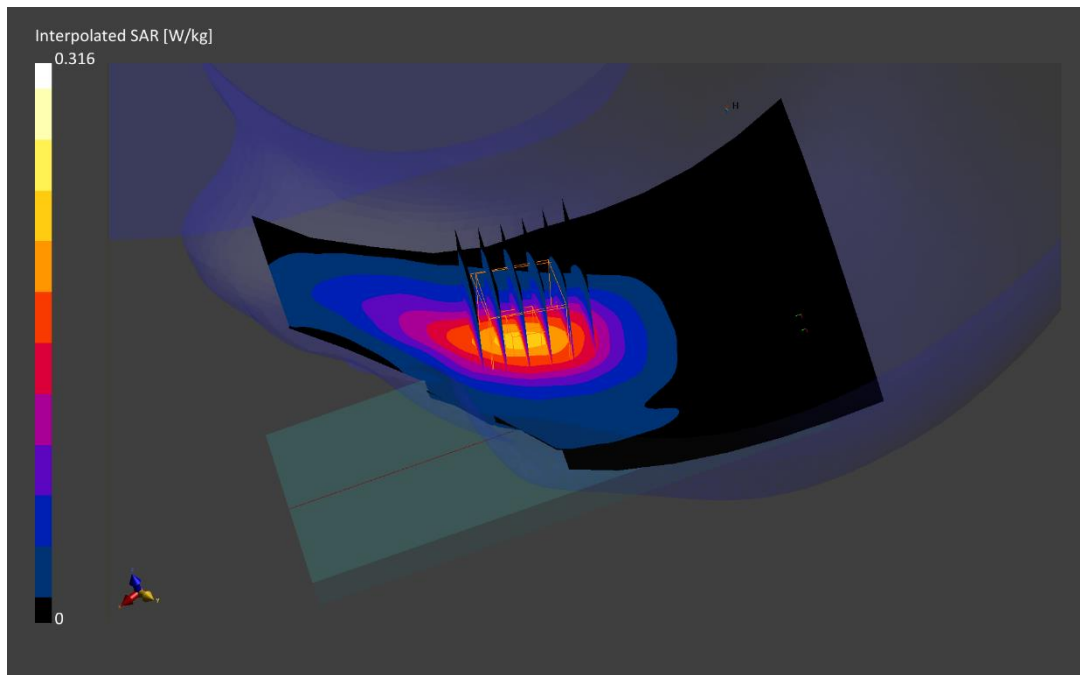
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.20 W/kg; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.201 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1092M**

Communication System: UID:10297 - AAD, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz

Medium: 1750 Head; Medium parameters used:

f = 1732.5 MHz; cond = 1.33 S/m; perm = 39.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 11/29/2021; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7546; ConvF:(8.44,8.44,8.44); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 4, Antenna F, Left Head, Tilt, Mid.ch,  
20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset**

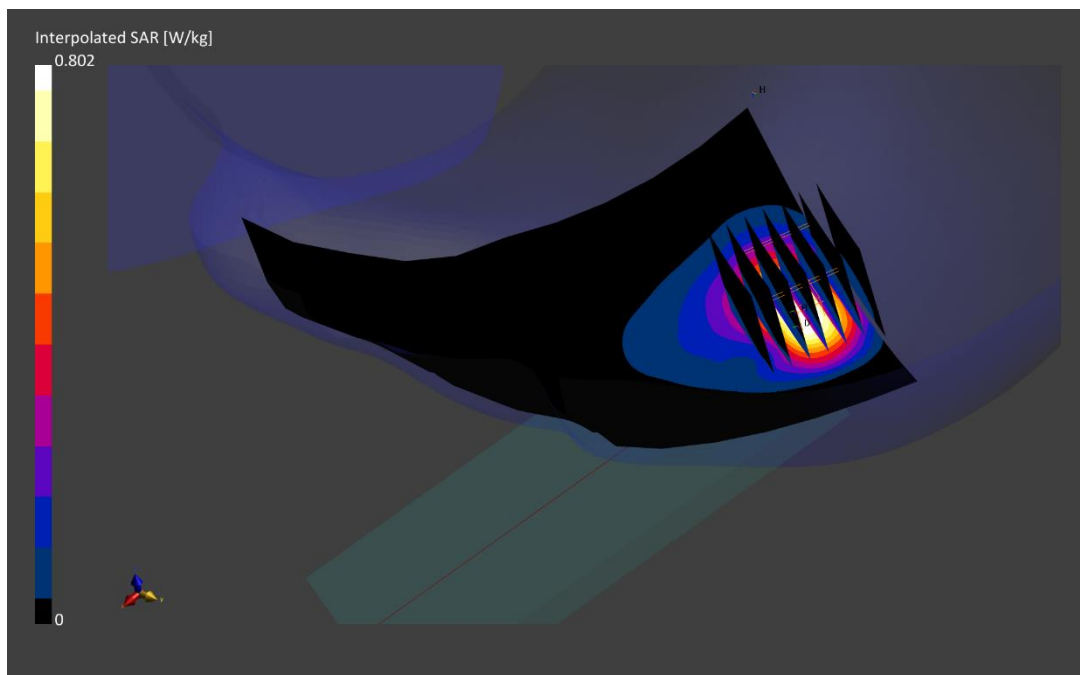
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.4 mm, dy=5.4 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.29 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.802 W/kg

**SAR(1 g) = 0.335 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0861M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Head; Medium parameters used:

$f = 1860.0$  MHz;  $\text{cond} = 1.43$  S/m;  $\text{perm} = 39.3$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 10/11/2021; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7532; ConvF:(8.25,8.25,8.25); Calibrated: 2021-04-19

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn501; Calibrated: 2021-04-13

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 25 (PCS), Left Head, Cheek, Low.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

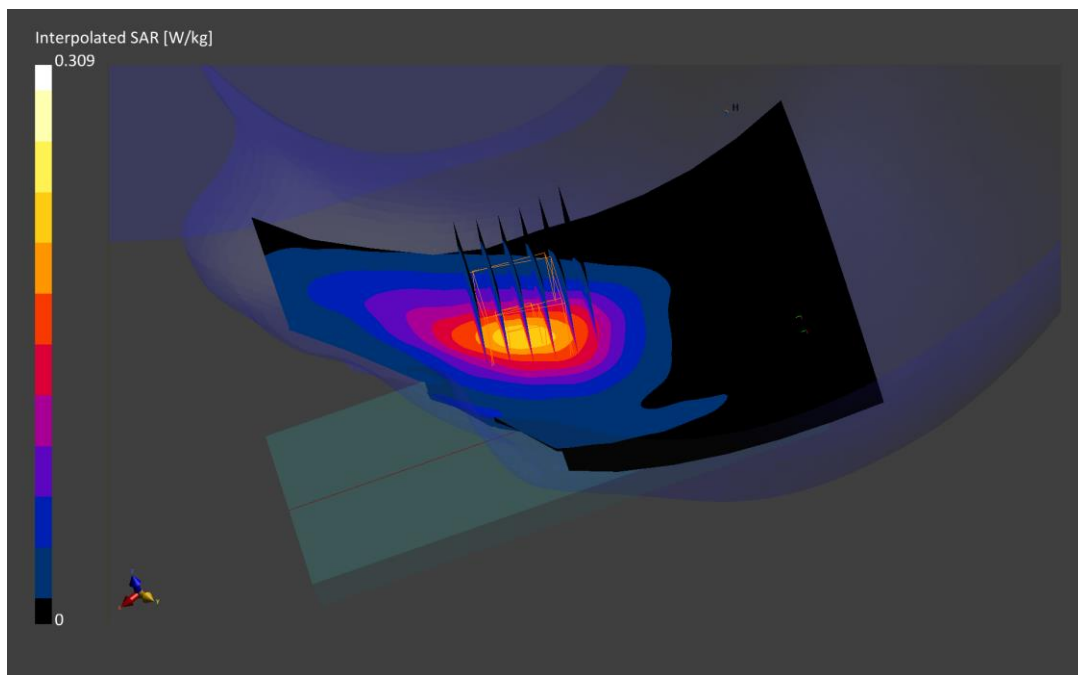
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.20 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.309 W/kg

**SAR(1 g) = 0.195 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2549.5 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2549.5$  MHz;  $\text{cond} = 1.98$  S/m;  $\text{perm} = 38.7$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 10/11/2021; Ambient Temp: 23.5°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7416; ConvF:(6.99,6.99,6.99); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn701; Calibrated: 2021-05-11

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 41, PC3, Left Head, Cheek, Low-Mid.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

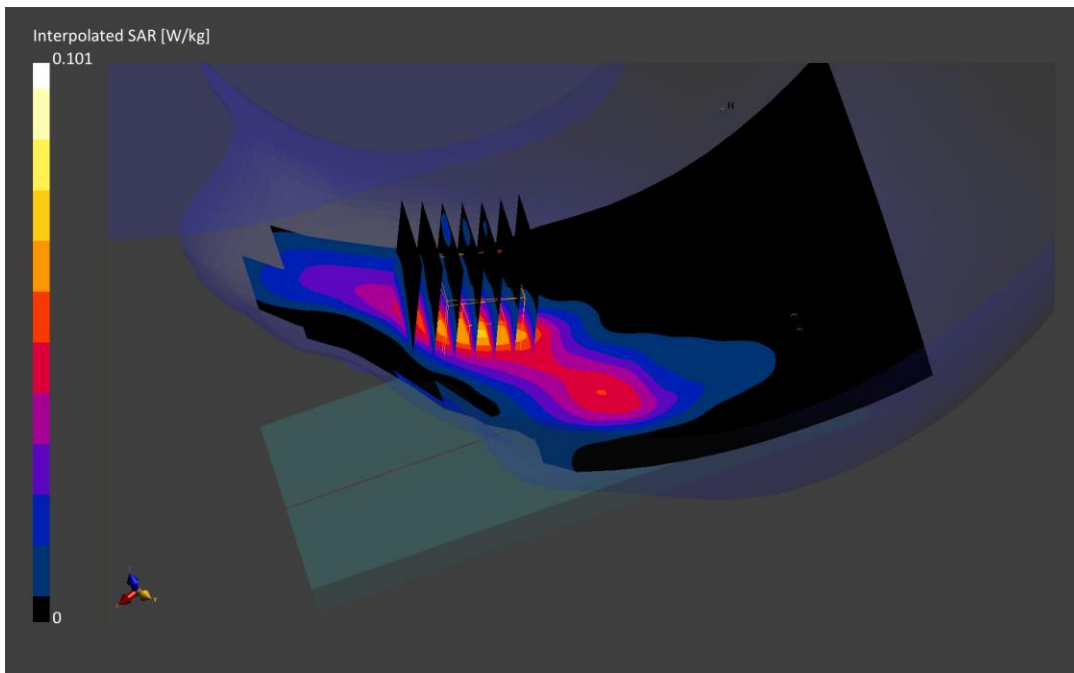
**Area Scan (120.0 x 200.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.06 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.101 W/kg

**SAR(1 g) = 0.055 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0835M**

Communication System: UID:10931 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Head; Medium parameters used:

$f = 836.5$  MHz;  $\text{cond} = 0.882$  S/m;  $\text{perm} = 43.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 11/10/2021; Ambient Temp: 22.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7427; ConvF:(9.8,9.8,9.8); Calibrated: 2021-02-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1403; Calibrated: 2021-02-11

Phantom: Twin-SAM V8.0; Serial: 2034

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n5, Right Head, Cheek, 20 MHz Bandwidth,  
Ch. 167300, DFT-s-OFDM QPSK, 1 RB, 53 RB Offset**

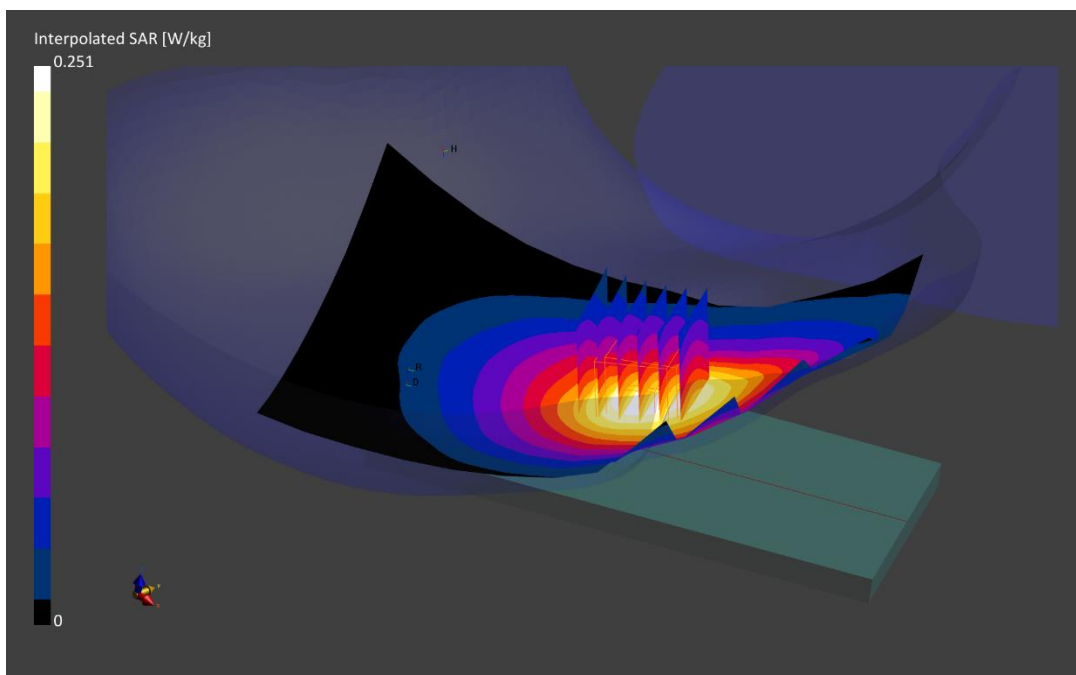
**Area Scan (120.0 x 210.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.19 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.251 W/kg

**SAR(1 g) = 0.198 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0858M**

Communication System: UID:10770 - AAD, CW; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Head; Medium parameters used:

$f = 1770.0$  MHz;  $\text{cond} = 1.37$  S/m;  $\text{perm} = 39.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Left Head; Space: 0.00 mm

Test Date: 11/29/2021; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7546; ConvF:(8.44,8.44,8.44); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n66, Antenna F, Left Head, Tilt, 20 MHz Bandwidth  
Ch. 354000, CP-OFDM QPSK, 1 RB, 1 RB Offset**

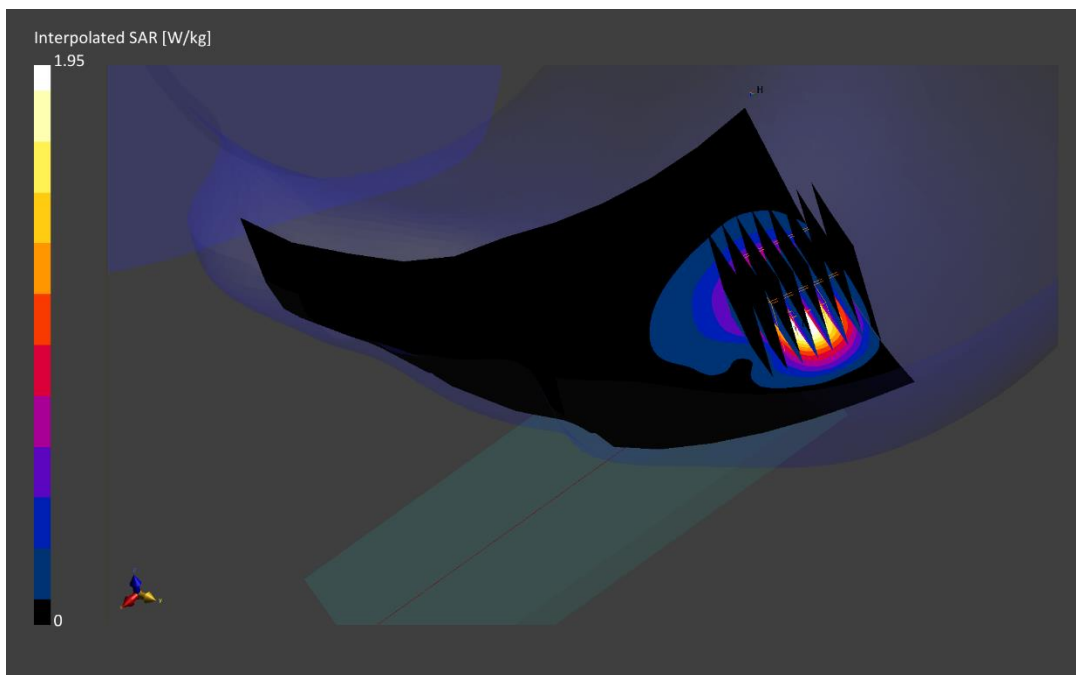
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=4.5$  mm,  $dy=4.5$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Reference Value = 0.62 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.820 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0065M**

Communication System: UID:10591 - AAC, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2412.0$  MHz;  $\text{cond} = 1.80$  S/m;  $\text{perm} = 38.5$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 11/10/2021; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3949; ConvF:(7.81,7.81,7.81); Calibrated: 2021-08-26

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1408; Calibrated: 2021-08-11

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11n, MIMO, 20 MHz Bandwidth, Right Head, Cheek, Ch.1, 13 Mbps**

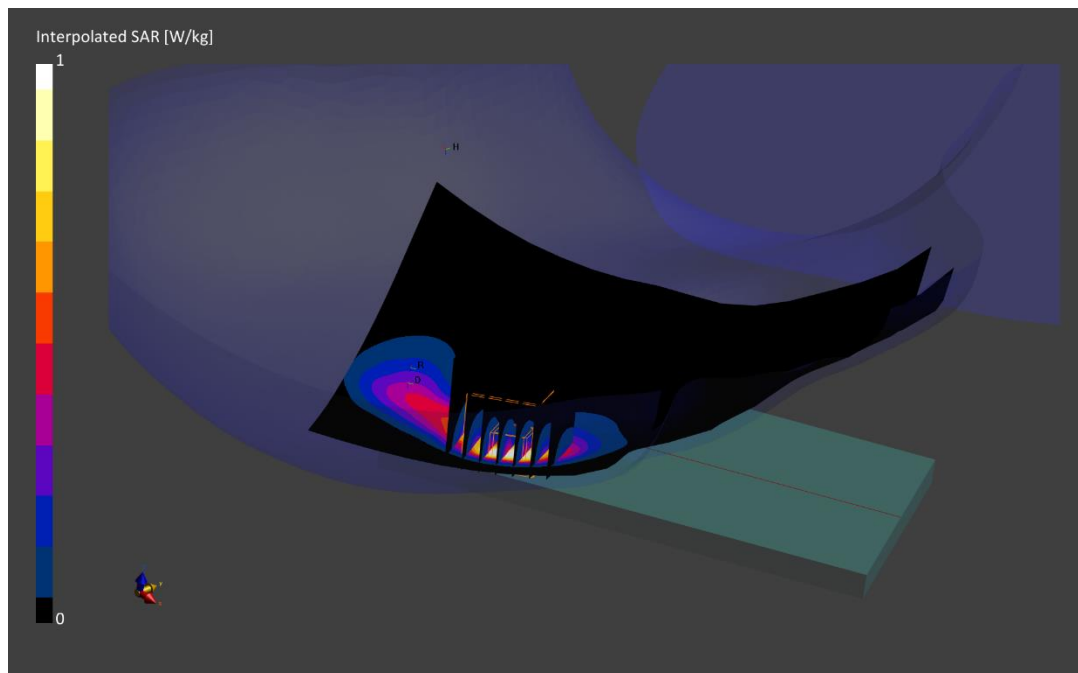
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.32 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.00 W/kg

**SAR(1 g) = 0.364 W/kg**





# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0080M**

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5290.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5290.0 MHz; cond = 4.80 S/m; perm = 36.2; density = 1000 kg/m<sup>3</sup>

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 12/03/2021; Ambient Temp: 23.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7532; ConvF:(5.18,5.18,5.18); Calibrated: 2021-04-19

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn501; Calibrated: 2021-04-13

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ac, U-NII-2A, Antenna 1, 80 MHz Bandwidth,  
Right Head, Cheek, Ch. 58, 29.3 Mbps**

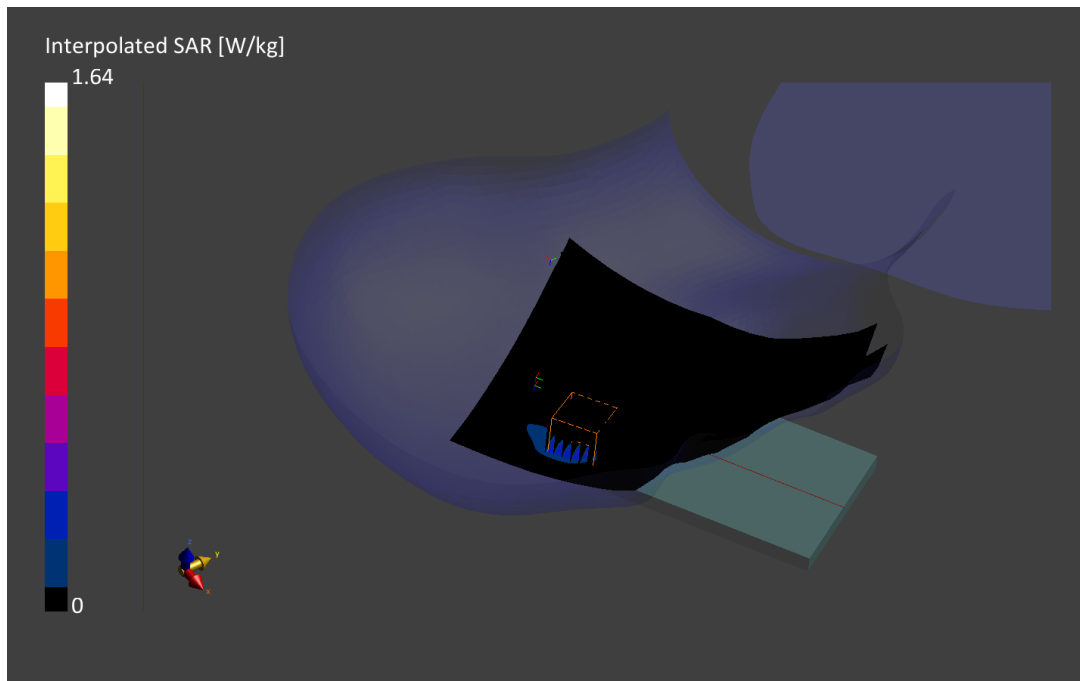
**Area Scan (120.0 x 180.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Reference Value = 0.39 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.64 W/kg

**SAR(1 g) = 0.398 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0065M**

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$  MHz;  $\text{cond} = 1.83$  S/m;  $\text{perm} = 38.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 11/22/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3949; ConvF:(7.81,7.81,7.81); Calibrated: 2021-08-26

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1408; Calibrated: 2021-08-11

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: Bluetooth, Right Head, Cheek, Ch. 39, 1 Mbps**

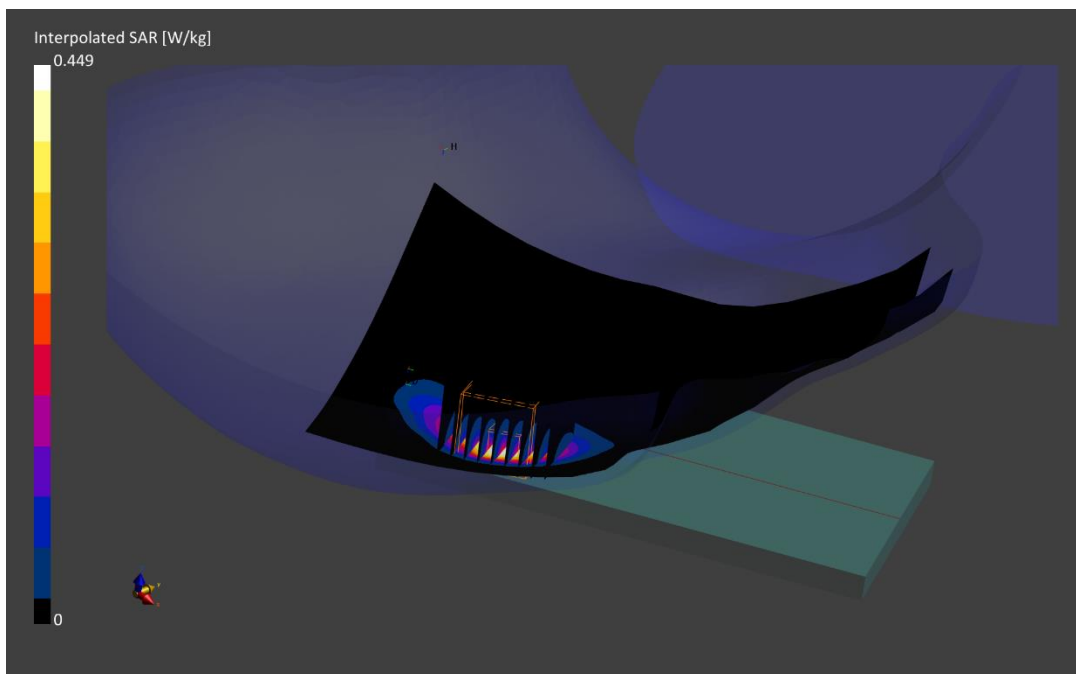
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=4.0$  mm,  $dy=4.0$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Reference Value = 0.15 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.449 W/kg

**SAR(1 g) = 0.161 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, GSM; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 835 Body; Medium parameters used (interpolated):

$f = 836.6$  MHz;  $\sigma = 0.983$  S/m;  $\epsilon_r = 54.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/24/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 836.6 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 1/11/2021

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: GSM 850, Body SAR, Back side, Mid.ch**

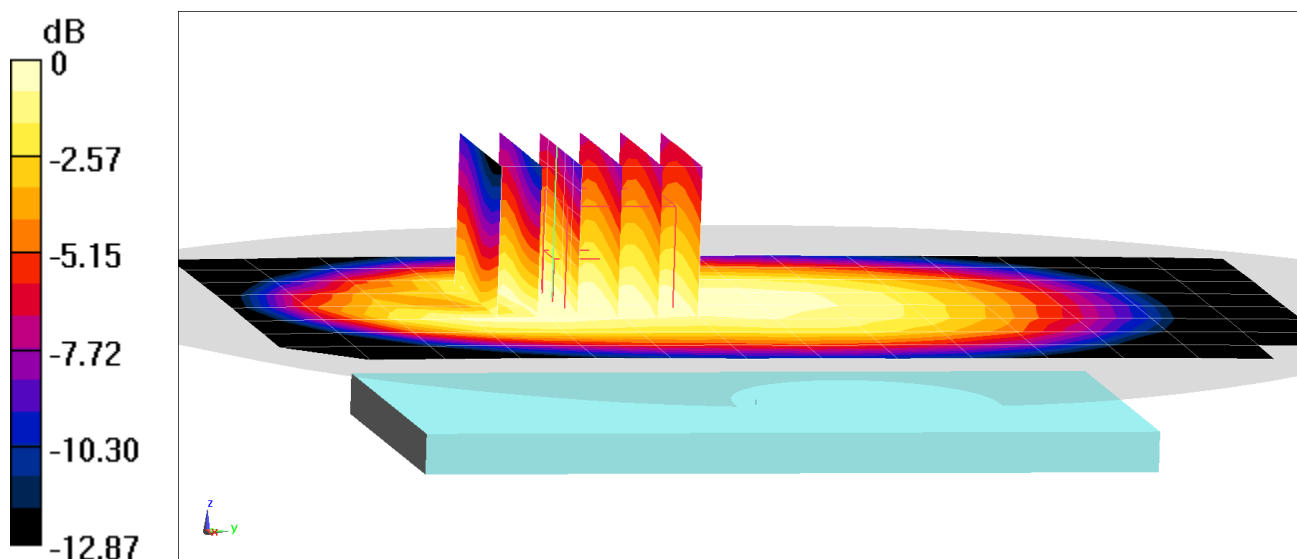
**Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 15.77 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.324 W/kg

**SAR(1 g) = 0.237 W/kg**



0 dB = 0.292 W/kg = -5.35 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, \_GSM GPRS; 3 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:2.76

Medium: 835 Body; Medium parameters used (interpolated):

$f = 848.8$  MHz;  $\sigma = 0.988$  S/m;  $\epsilon_r = 54.982$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/24/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 848.8 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 1/11/2021

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: GPRS 850, Body SAR, Back side, High.ch, 3 Tx Slots**

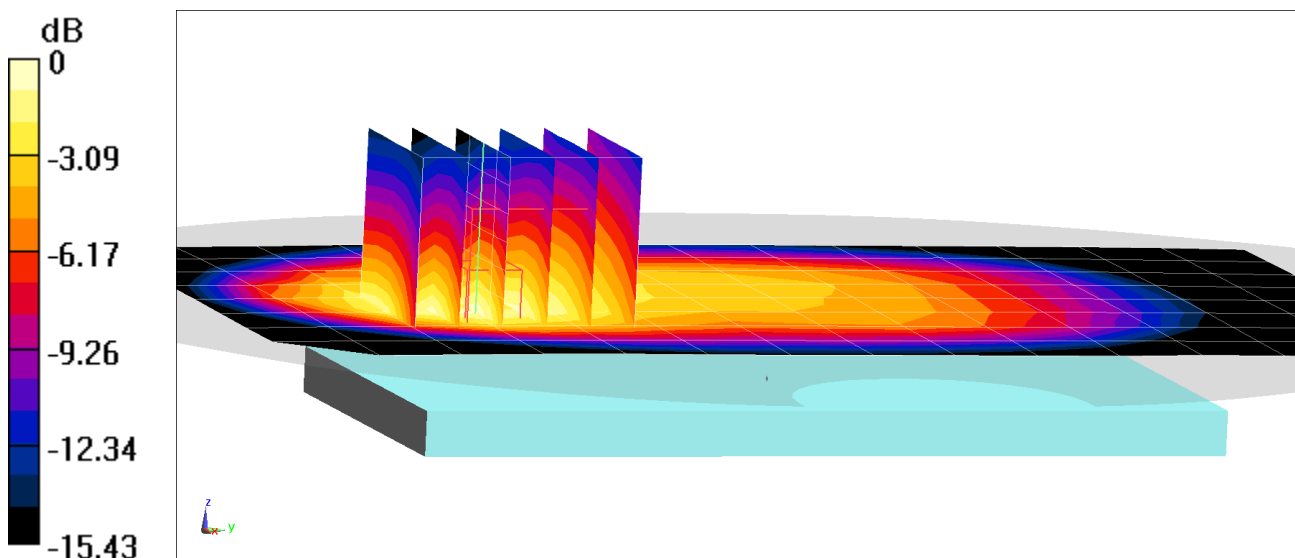
**Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.56 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.638 W/kg**



0 dB = 0.957 W/kg = -0.19 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0866M**

Communication System: UID:10021 - DAC, GSM; MAIA: Y; Frequency: 1850.2 MHz

Medium: 1900 Body; Medium parameters used:

f = 1850.2 MHz; cond = 1.55 S/m; perm = 52.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/13/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7421; ConvF:(7.72,7.72,7.72); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: GSM 1900, Body SAR, Back side, Low.ch**

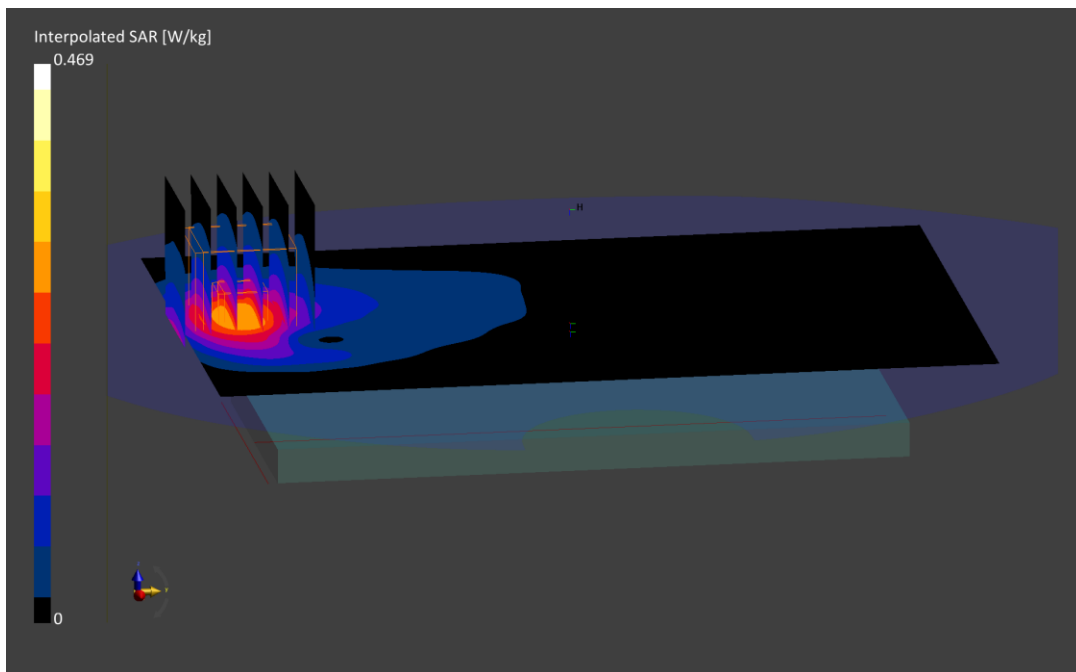
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.25 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.469 W/kg

**SAR(1 g) = 0.272 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0866M**

Communication System: UID:10027 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1880.0 MHz; cond = 1.57 S/m; perm = 52.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/13/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7421; ConvF:(7.72,7.72,7.72); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: GPRS 1900, Body SAR, Bottom edge, Mid.ch, 3 Tx Slots**

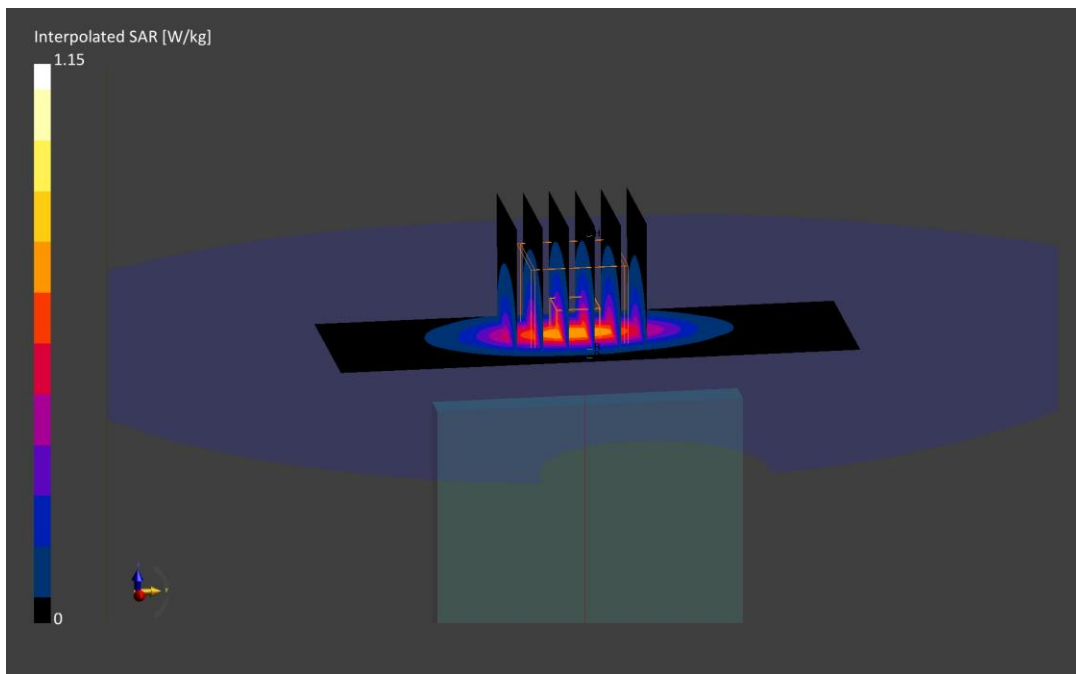
**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.56 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.608 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, UMTS; Frequency: 836.6 MHz; Duty Cycle: 1:1  
Medium: 835 Body; Medium parameters used (interpolated):  
 $f = 836.6$  MHz;  $\sigma = 0.983$  S/m;  $\epsilon_r = 54.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/24/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 836.6 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: UMTS 850, Body SAR, Back side, Mid.ch**

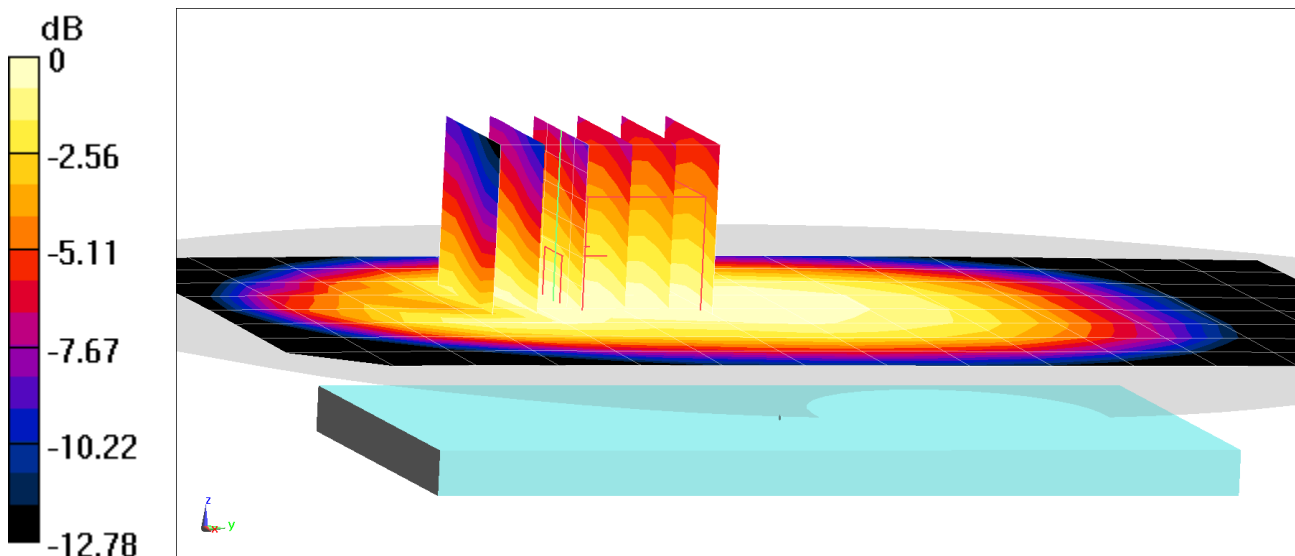
**Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 20.61 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.410 W/kg**



0 dB = 0.500 W/kg = -3.01 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: 835 Body; Medium parameters used (interpolated):  
 $f = 846.6$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 54.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/24/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 846.6 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: UMTS 850, Body SAR, Back side, High.ch**

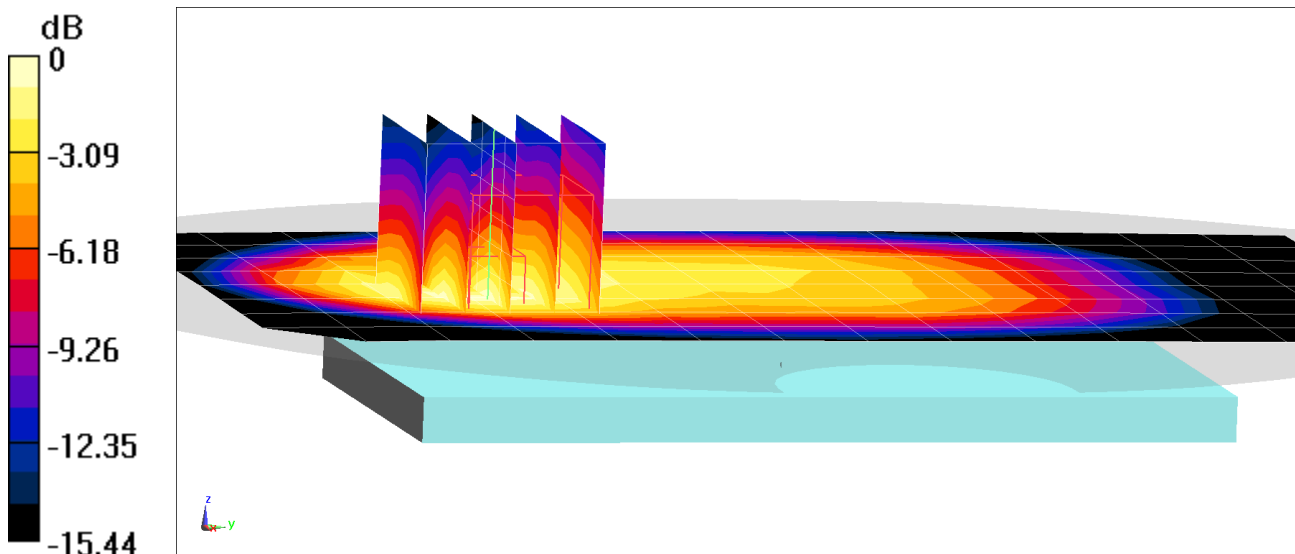
**Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 25.29 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.588 W/kg**



0 dB = 0.878 W/kg = -0.57 dBW/kg



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0872M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz

Medium: 1750 Body; Medium parameters used:

f = 1732.4 MHz; cond = 1.47 S/m; perm = 52.1; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/12/2021; Ambient Temp: 21.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7546; ConvF:(7.95,7.95,7.95); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1750, Body SAR. Back side, Mid.ch**

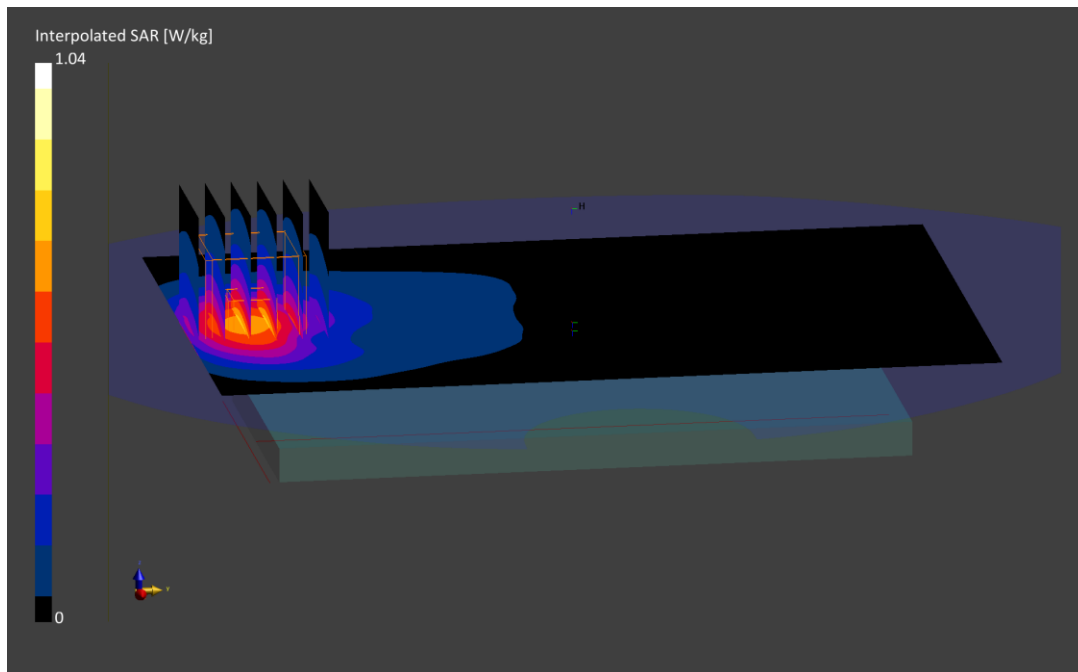
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.63 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.04 W/kg

**SAR(1 g) = 0.655 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0866M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1732.4$  MHz;  $\text{cond} = 1.46$  S/m;  $\text{perm} = 52.8$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/13/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7421; ConvF:(7.92,7.92,7.92); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1750, Body SAR. Bottom edge, Mid.ch**

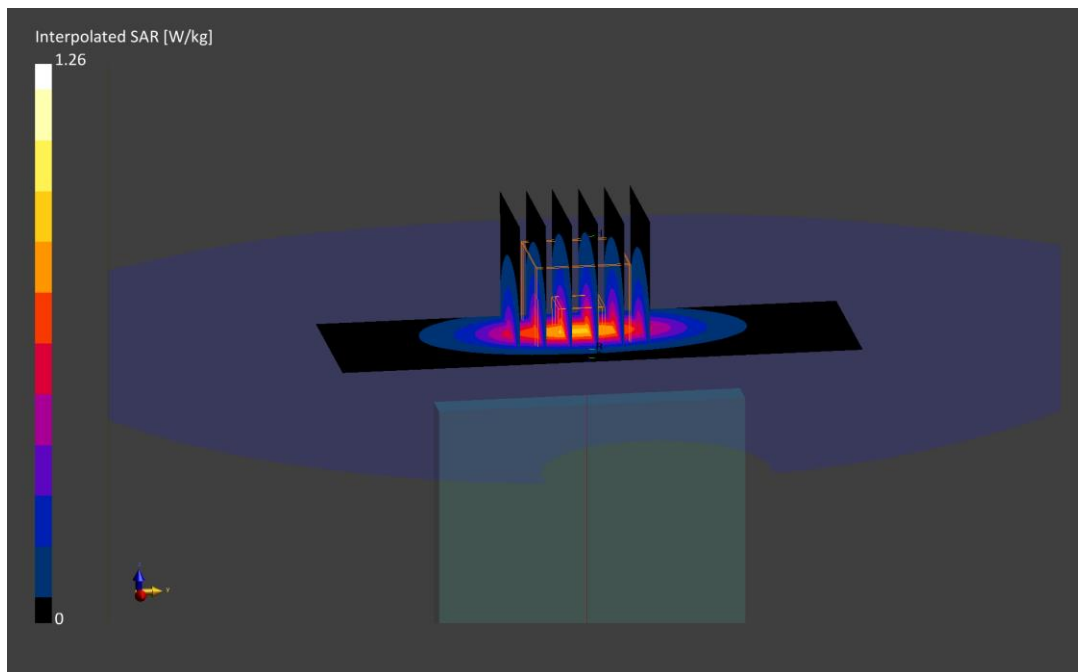
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.65 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.700 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0861M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1852.4 MHz

Medium: 1900 Body; Medium parameters used:

f = 1852.4 MHz; cond = 1.55 S/m; perm = 52.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/13/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7421; ConvF:(7.72,7.72,7.72); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1900, Body SAR, Back side, Low.ch**

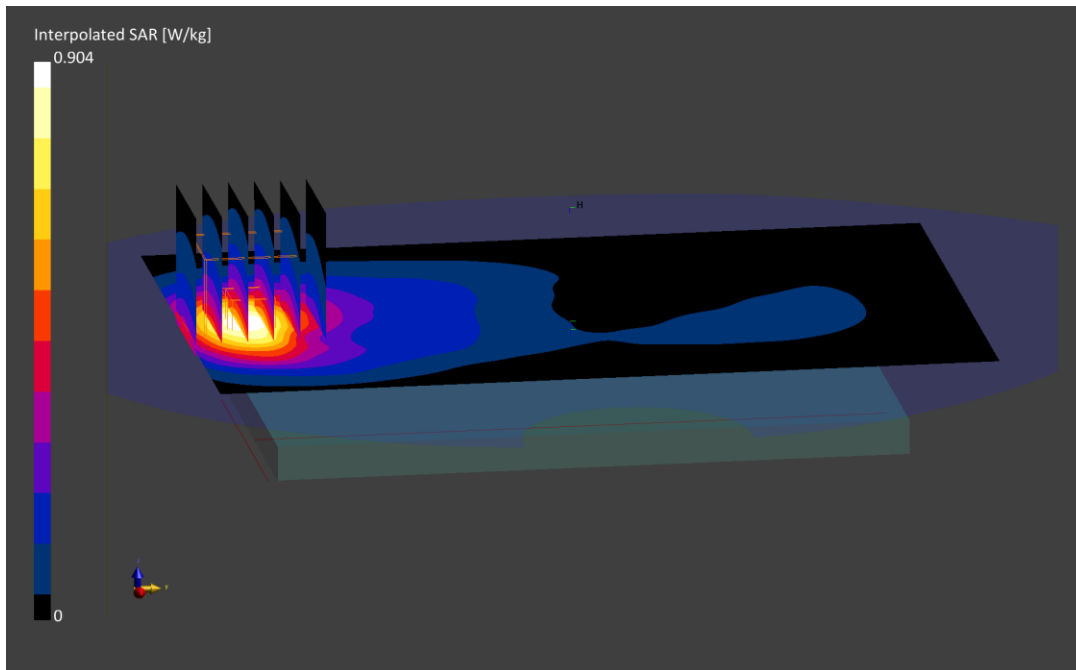
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.53 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.970 W/kg

**SAR(1 g) = 0.572 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0861M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1880.0$  MHz;  $\text{cond} = 1.57$  S/m;  $\text{perm} = 52.6$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/13/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7421; ConvF:(7.72,7.72,7.72); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1900, Body SAR, Bottom edge, Mid.ch**

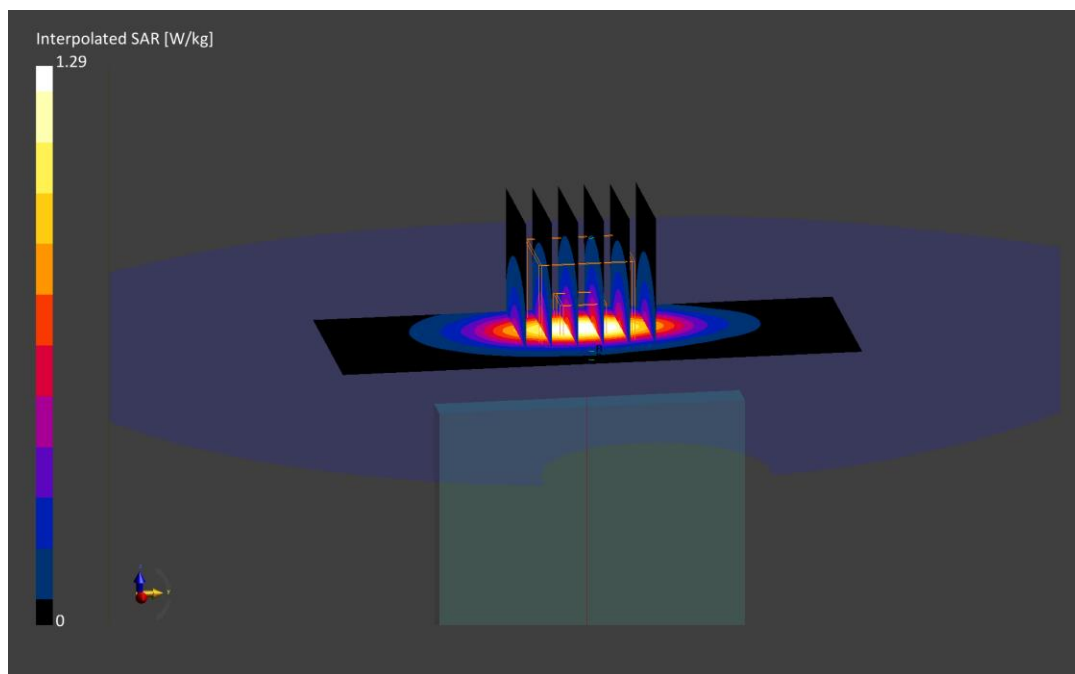
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.63 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.689 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: 750 Body; Medium parameters used (interpolated):  
 $f = 707.5$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 55.514$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/26/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7640; ConvF(11.2, 11.2, 11.2) @ 707.5 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 12, Body SAR, Back side, Mid.ch**  
**10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

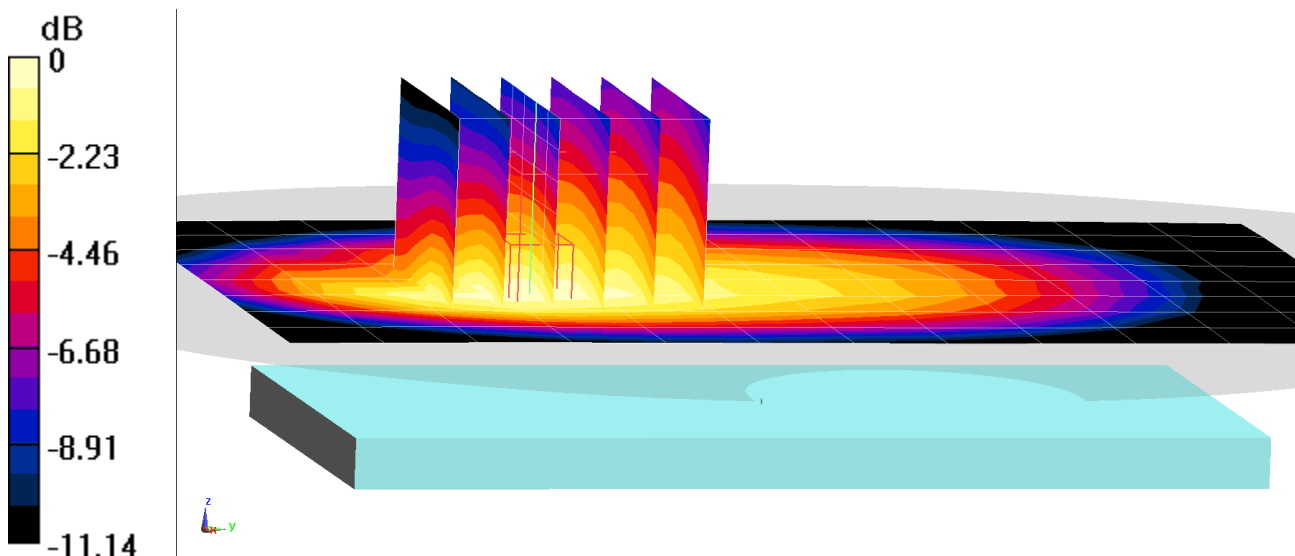
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 13.77 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.260 W/kg

**SAR(1 g) = 0.173 W/kg**



0 dB = 0.228 W/kg = -6.42 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1  
Medium: 750 Body; Medium parameters used (interpolated):  
 $f = 707.5$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 55.514$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/26/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7640; ConvF(11.2, 11.2, 11.2) @ 707.5 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 12, Body SAR, Back side, Mid.ch**  
**10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

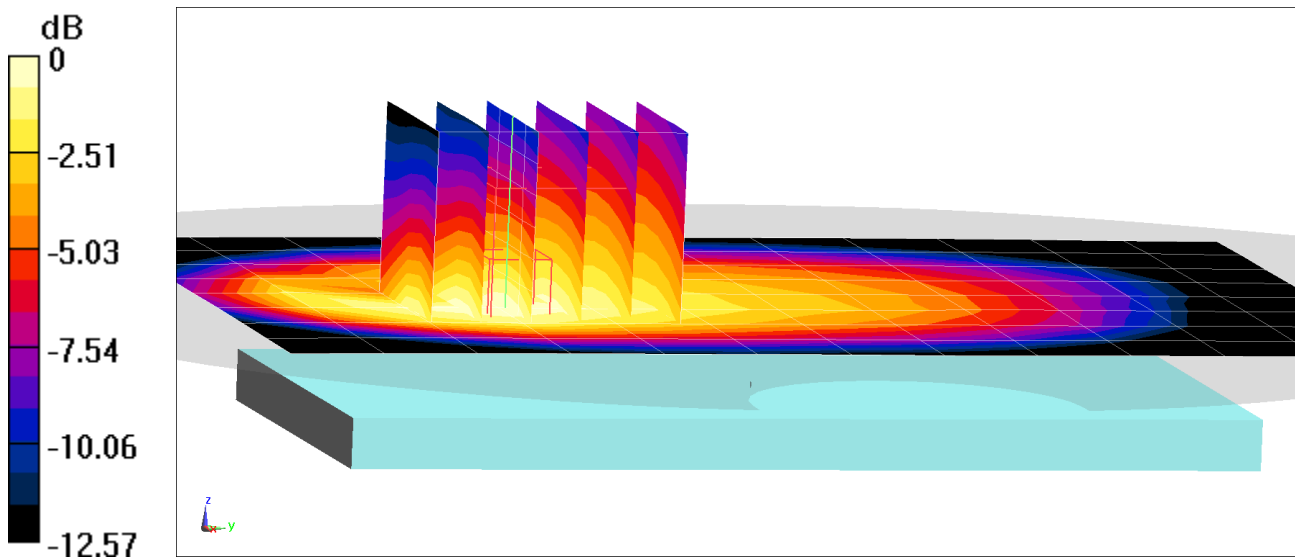
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 16.64 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.389 W/kg

**SAR(1 g) = 0.248 W/kg**



0 dB = 0.332 W/kg = -4.79 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: 750 Body; Medium parameters used (interpolated):  
 $f = 782 \text{ MHz}$ ;  $\sigma = 0.977 \text{ S/m}$ ;  $\epsilon_r = 55.327$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/26/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7640; ConvF(11.2, 11.2, 11.2) @ 782 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 13, Body SAR, Back side, Mid.ch**  
**10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

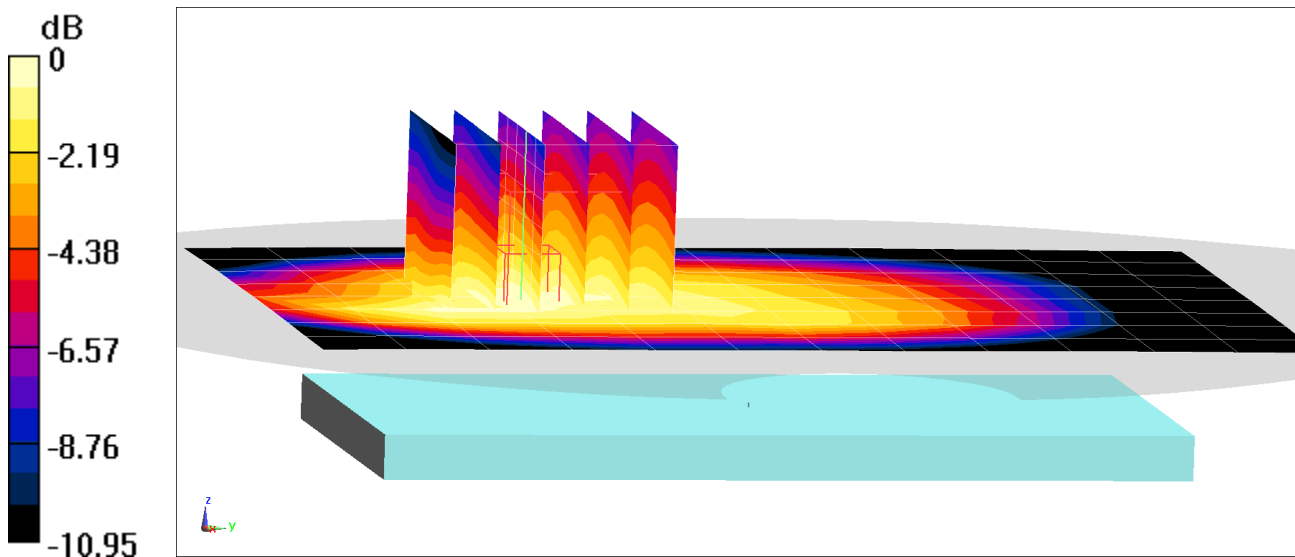
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 17.57 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.424 W/kg

**SAR(1 g) = 0.292 W/kg**



0 dB = 0.373 W/kg = -4.28 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: 750 Body; Medium parameters used (interpolated):  
 $f = 782 \text{ MHz}$ ;  $\sigma = 0.977 \text{ S/m}$ ;  $\epsilon_r = 55.327$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/26/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7640; ConvF(11.2, 11.2, 11.2) @ 782 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**Mode: LTE Band 13, Body SAR, Back side, Mid.ch**  
**10 MHz Bandwidth, QPSK, 1 RB, 25 RB Offset**

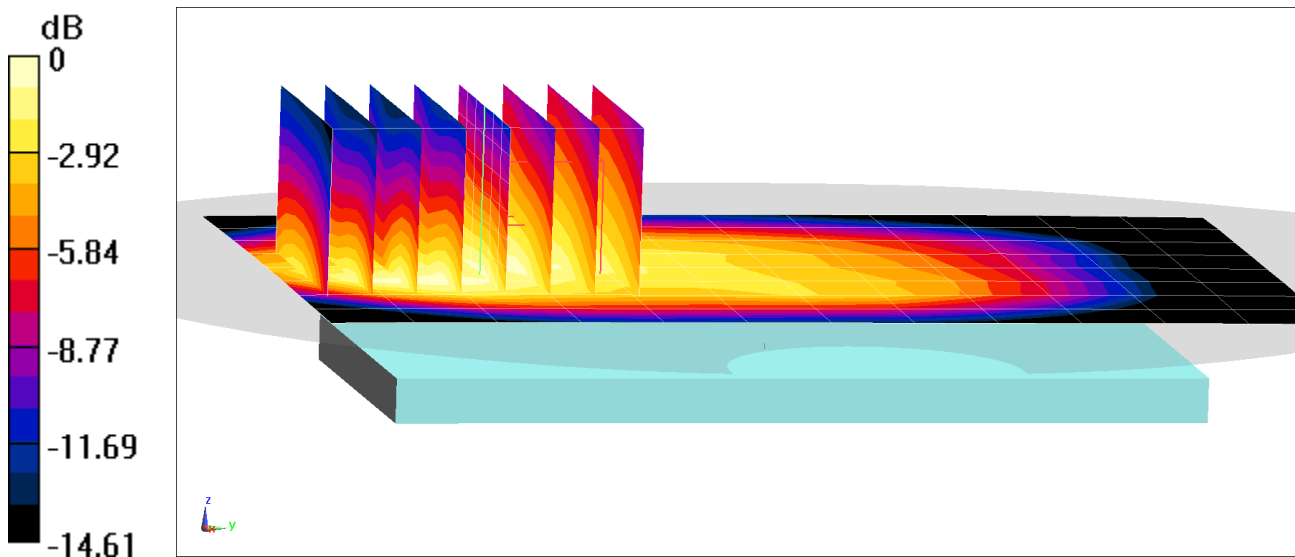
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (7x8x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.33 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.659 W/kg

**SAR(1 g) = 0.399 W/kg**



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



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1  
Medium: 835 Body; Medium parameters used (interpolated):  
 $f = 831.5$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.995$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/24/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 831.5 MHz; Calibrated: 3/3/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021  
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937  
Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 26 (Cell.), Body SAR, Back side, Mid.ch**  
**15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset**

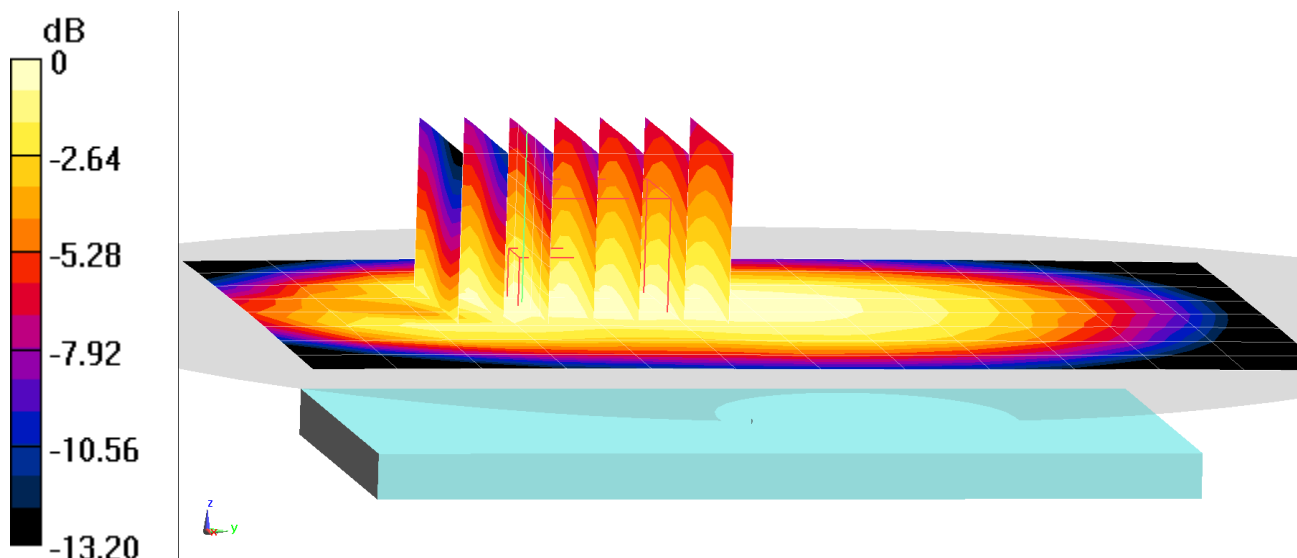
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.60 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.357 W/kg

**SAR(1 g) = 0.262 W/kg**



0 dB = 0.324 W/kg = -4.89 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0412M**

Communication System: UID 0, LTE Band 26; Frequency: 831.5 MHz; Duty Cycle: 1:1

Medium: 835 Body; Medium parameters used (interpolated):

$f = 831.5$  MHz;  $\sigma = 0.98$  S/m;  $\epsilon_r = 54.995$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/24/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 831.5 MHz; Calibrated: 3/3/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 1/11/2021

Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1937

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**Mode: LTE Band 26 (Cell.), Body SAR, Back side, Mid.ch**  
**15 MHz Bandwidth, QPSK, 1 RB, 36 RB Offset**

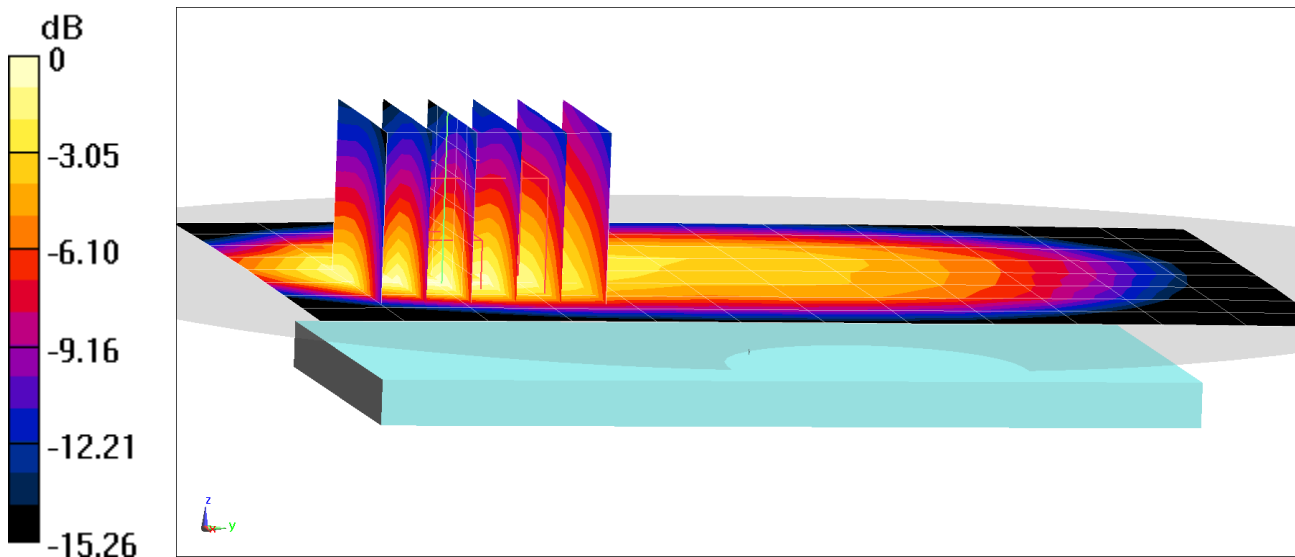
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 22.74 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.815 W/kg

**SAR(1 g) = 0.469 W/kg**



0 dB = 0.679 W/kg = -1.68 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1770.0$  MHz;  $\text{cond} = 1.50$  S/m;  $\text{perm} = 52.0$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.0 mm

Test Date: 10/12/2021; Ambient Temp: 21.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7546; ConvF:(7.95,7.95,7.95); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 66 (AWS), Body SAR, Back side, High.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

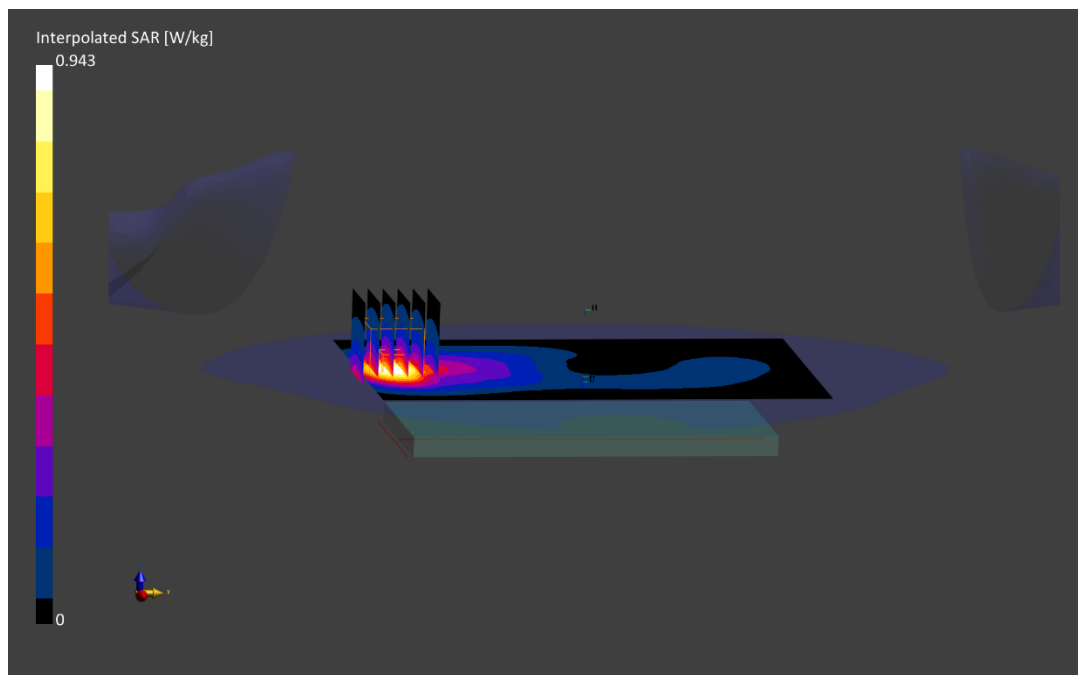
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.56 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.943 W/kg

**SAR(1 g) = 0.590 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0827M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz

Medium: 1750 Body; Medium parameters used:

f = 1720.0 MHz; cond = 1.47 S/m; perm = 51.8; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/14/2021; Ambient Temp: 22.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7546; ConvF:(7.95,7.95,7.95); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 66 (AWS), Body SAR, Bottom Edge, Low.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

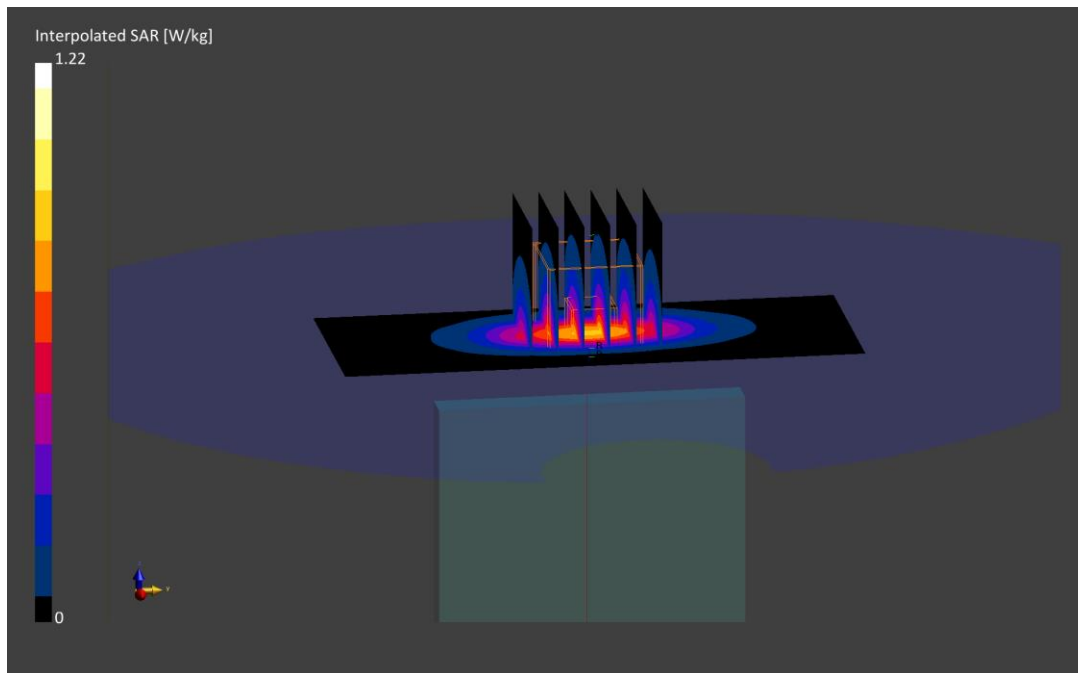
**Area Scan (48.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.65 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.697 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1092M**

Communication System: UID 0, LTE Band 4 (AWS); Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: 1750 Body; Medium parameters used (interpolated):  
 $f = 1732.5$  MHz;  $\sigma = 1.451$  S/m;  $\epsilon_r = 52.566$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12/12/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1732.5 MHz; Calibrated: 4/19/2021  
Sensor-Surface: 1.4mm (Mechanical Surface Detection)  
Electronics: DAE4 Sn1407; Calibrated: 4/7/2021  
Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686  
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

**Mode: LTE Band 4 (AWS), Antenna F, Body SAR, Back side, Mid.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

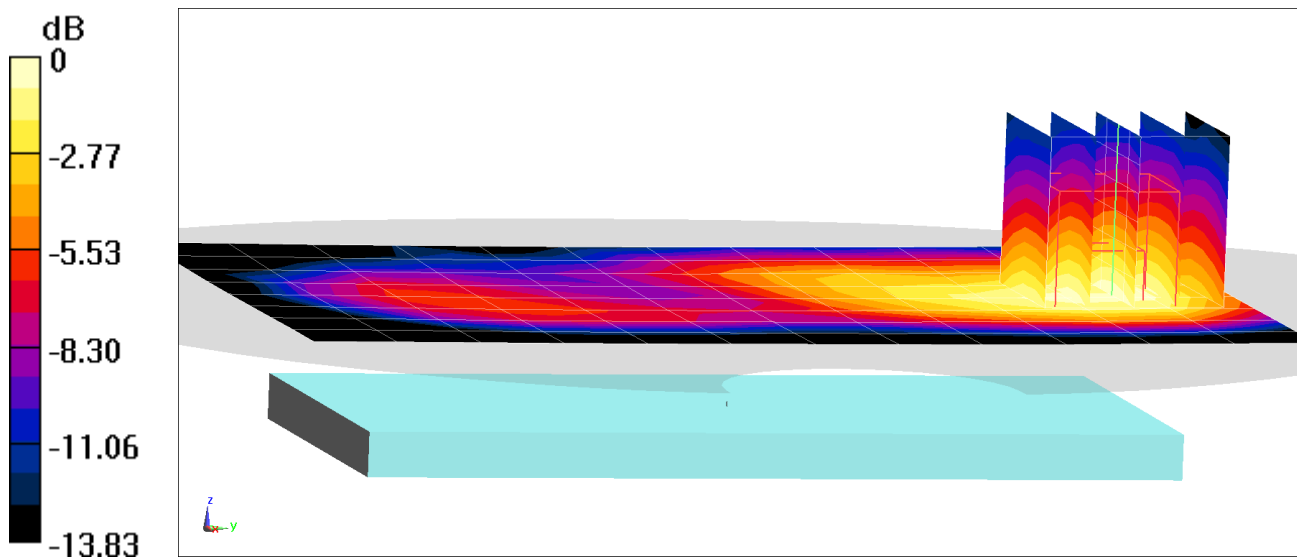
**Area Scan (9x13x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 11.24 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.166 W/kg**



0 dB = 0.226 W/kg = -6.46 dBW/kg

# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1092M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1732.5 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1732.5 MHz; cond = 1.42 S/m; perm = 52.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

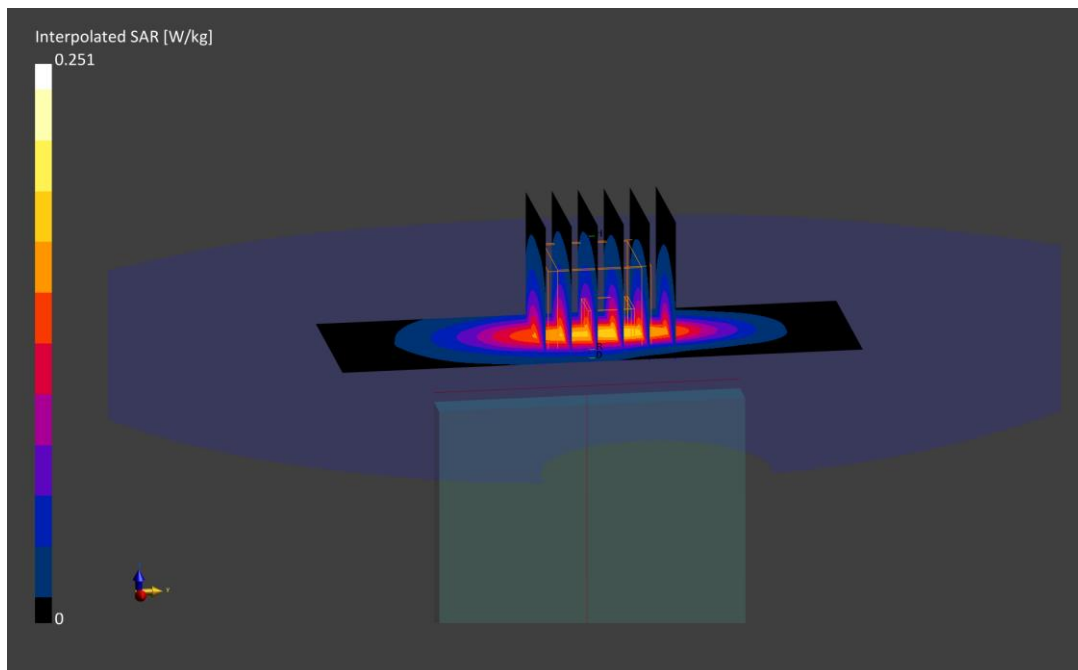
Test Date: 11/24/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7416; ConvF:(7.7,7.7,7.7); Calibrated: 2021-05-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn701; Calibrated: 2021-05-11  
Phantom: Twin-SAM V8.0; Serial: 1357  
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 4, Antenna F, Body SAR, Top edge, Mid.ch,  
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5  
Reference Value = 0.20 W/kg; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.251 W/kg  
**SAR(1 g) = 0.148 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.56 S/m; perm = 51.9; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/12/2021; Ambient Temp: 21.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7546; ConvF:(7.78,7.78,7.78); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 25, Body SAR, Back side, Low.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

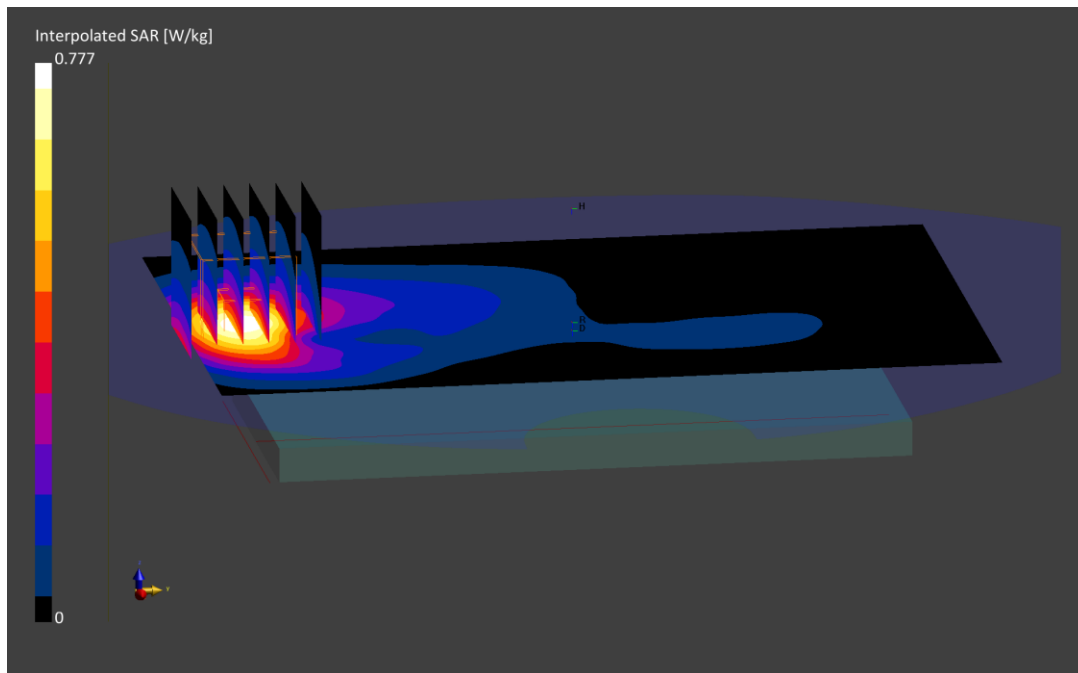
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.45 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.777 W/kg

**SAR(1 g) = 0.475 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1882.5 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1882.5$  MHz;  $\text{cond} = 1.57$  S/m;  $\text{perm} = 51.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/18/2021; Ambient Temp: 21.5°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7546; ConvF:(7.78,7.78,7.78); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 25, Body SAR, Bottom edge, Mid.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

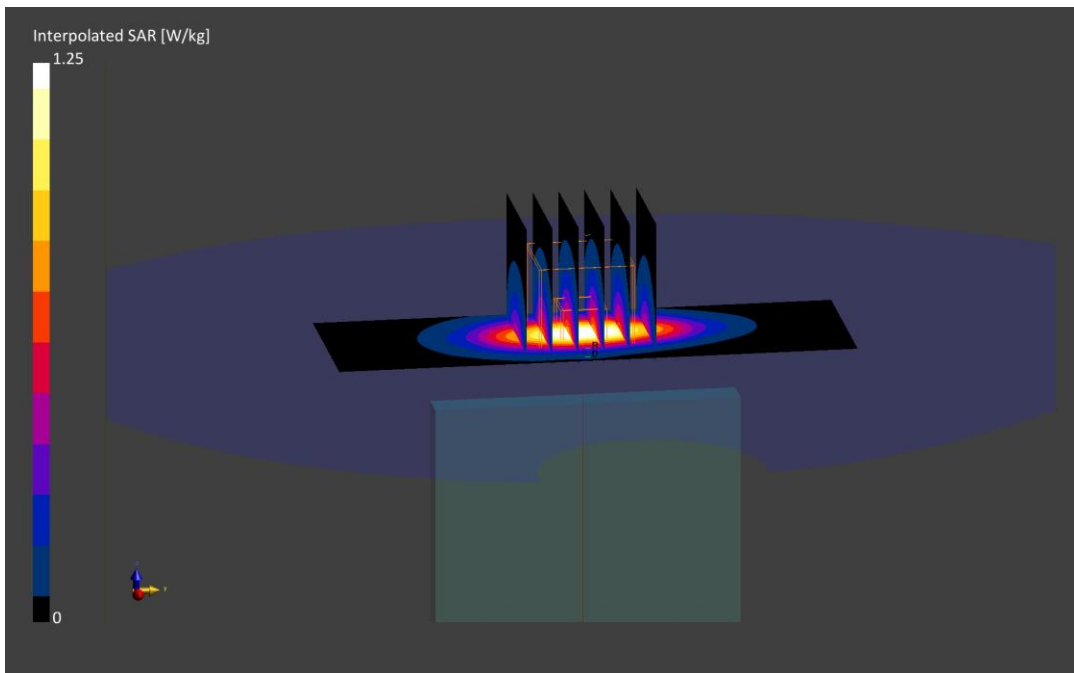
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.65 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.695 W/kg**





# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10172 - AAF, LTE-TDD; MAIA: Y; Frequency: 2549.5 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2549.5$  MHz;  $\text{cond} = 2.16$  S/m;  $\text{perm} = 51.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/14/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3949; ConvF:(7.66,7.66,7.66); Calibrated: 2021-08-26

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1408; Calibrated: 2021-08-11

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 41, PC2, Body SAR, Back Side, Low-mid.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset**

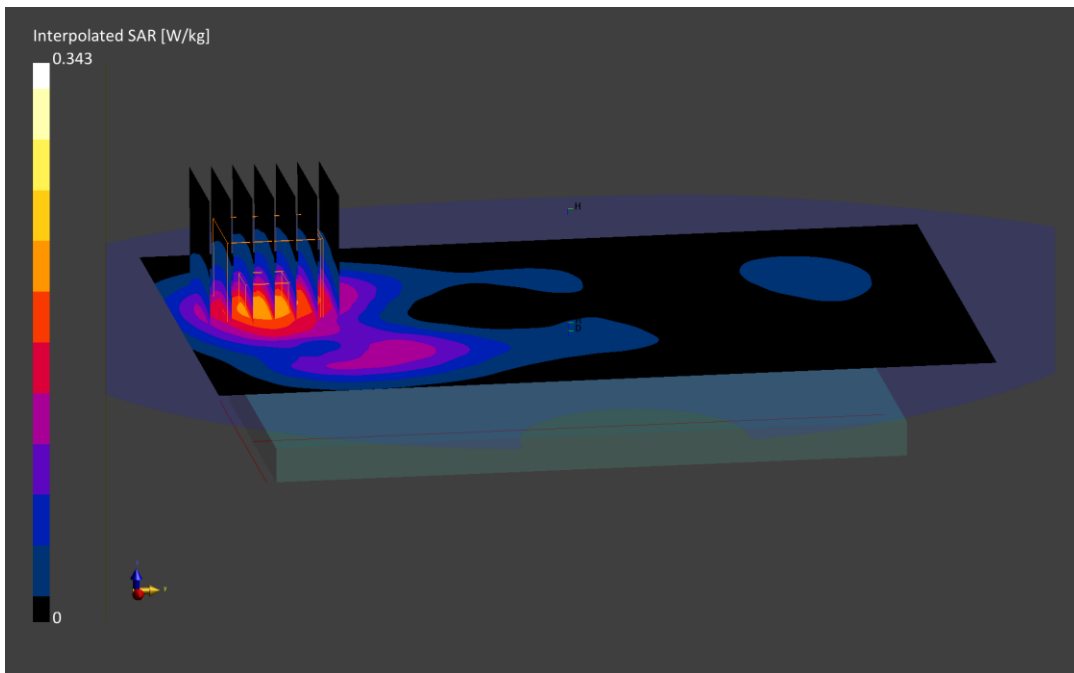
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.18 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.186 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10494 - AAF, LTE-TDD; MAIA: Y; Frequency: 2549.5 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2549.5$  MHz;  $\text{cond} = 2.16$  S/m;  $\text{perm} = 51.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 10/14/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3949; ConvF:(7.66,7.66,7.66); Calibrated: 2021-08-26

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1408; Calibrated: 2021-08-11

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 41, PC3, Body SAR, Bottom Edge, Low-mid.ch**  
**20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset**

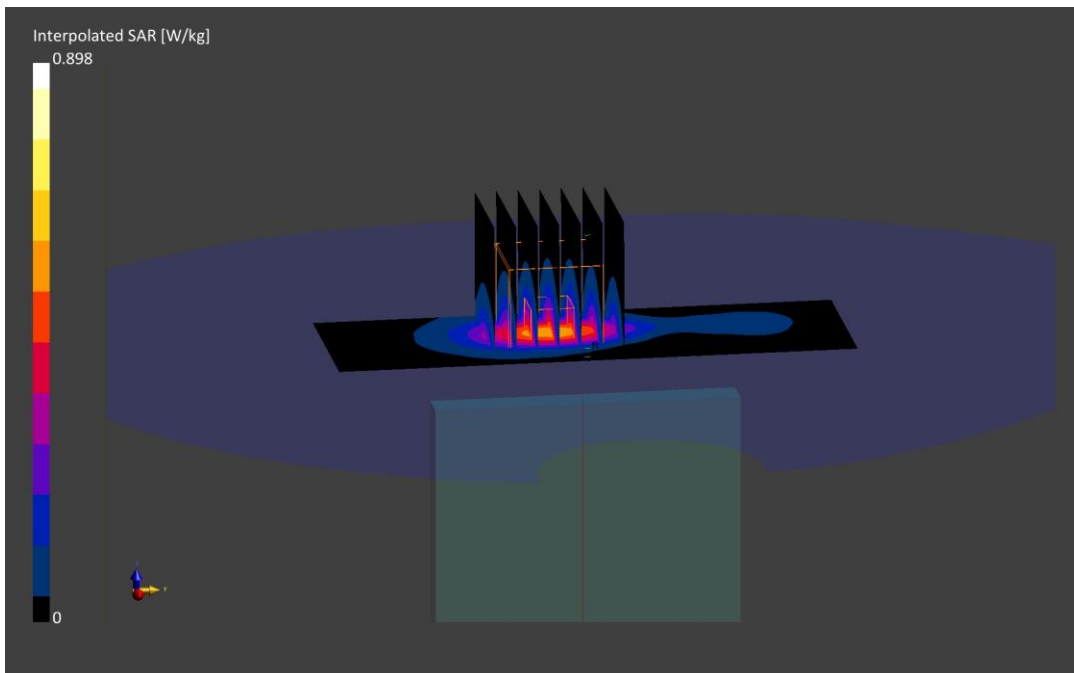
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.48 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.898 W/kg

**SAR(1 g) = 0.461 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0858M**

Communication System: UID:10931-AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.5$  MHz;  $\text{cond} = 1.01$  S/m;  $\text{perm} = 53.5$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/28/2021; Ambient Temp: 21.2°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7546; ConvF:(9.8,9.8,9.8); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n5, Body SAR, Back side, 20 MHz Bandwidth,  
DFT-s-OFDM QPSK, Ch. 167300, 1 RB, 53 RB Offset**

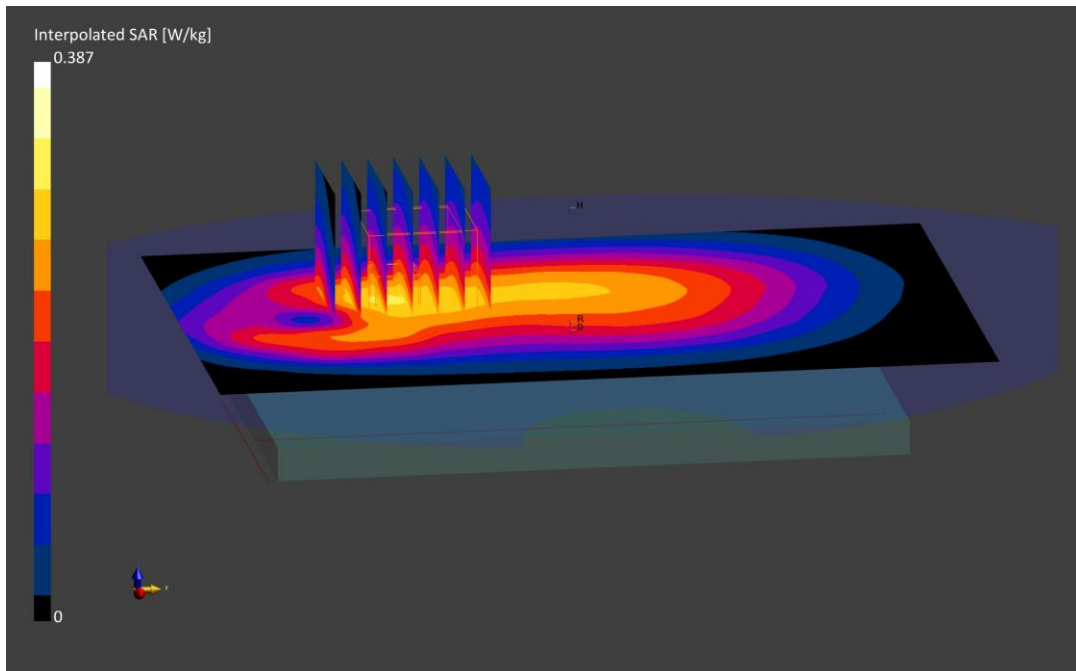
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.26 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.387 W/kg

**SAR(1 g) = 0.274 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0858M**

Communication System: UID:10931-AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 836.5 MHz

Medium: 835 Body; Medium parameters used:

$f = 836.5$  MHz;  $\text{cond} = 1.00$  S/m;  $\text{perm} = 53.1$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/01/2021; Ambient Temp: 22.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7546; ConvF:(9.8,9.8,9.8); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n5, Body SAR, Back Side, 20 MHz Bandwidth,  
DFT-s-OFDM QPSK, Ch. 167300, 1 RB, 53 RB Offset**

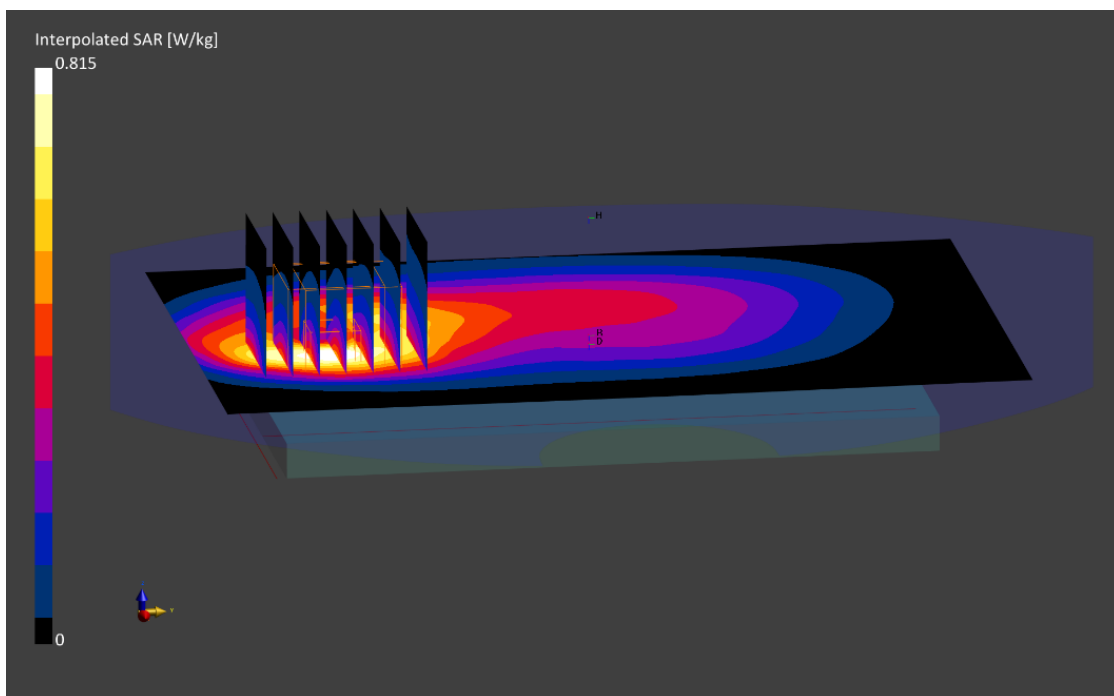
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$ mm,  $dy=15.0$ mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$ mm,  $dy=6.0$ mm,  $dz=1.5$ mm; Graded Ratio: 1.5

Reference Value = 0.40 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.815 W/kg

**SAR(1 g) = 0.440 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1092M**

Communication System: UID 0, NR Band n66; Frequency: 1770 MHz; Duty Cycle: 1:1

Medium: 1750 Body; Medium parameters used:

$f = 1770$  MHz;  $\sigma = 1.477$  S/m;  $\epsilon_r = 52.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 12/12/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1770 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1407; Calibrated: 4/7/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

**Mode: NR Band n66, Antenna A, Body SAR, Back Side, 20 MHz Bandwidth  
DFT-s-OFDM QPSK, Ch. 354000, 1 RB, 104 RB Offset**

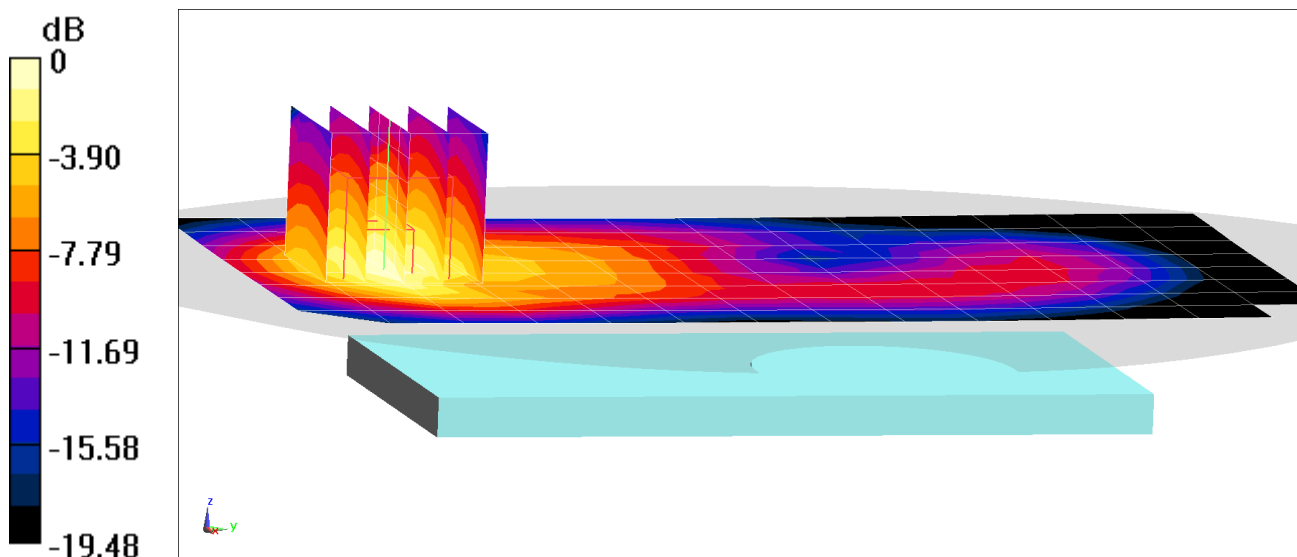
**Area Scan (9x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 26.19 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.759 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0867M**

Communication System: UID:10939 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1770.0$  MHz;  $\text{cond} = 1.43$  S/m;  $\text{perm} = 51.9$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/12/2021; Ambient Temp: 22.5°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7421; ConvF:(7.92,7.92,7.92); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n66, Antenna A, Body SAR, Bottom Edge, 20 MHz Bandwidth,  
Ch. 354000, DFT-s-OFDM QPSK, 50 RB, 28 RB Offset**

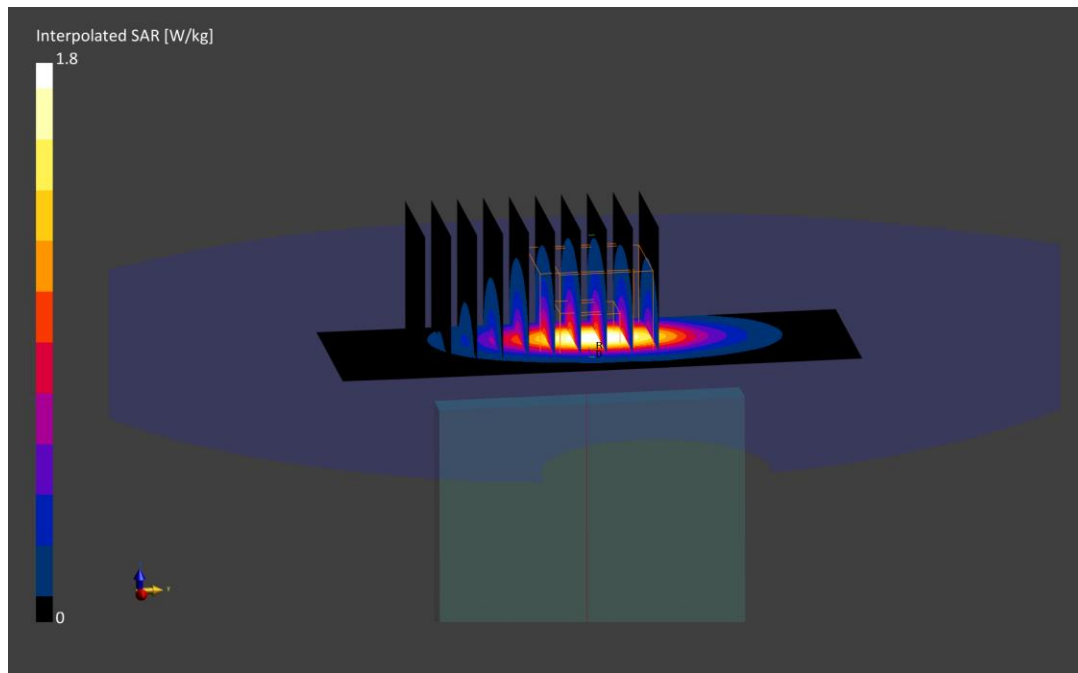
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=6.0$  mm,  $dy=6.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.81 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 1.00 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1603M**

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2412.0$  MHz;  $\text{cond} = 1.99$  S/m;  $\text{perm} = 53.1$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/13/2021; Ambient Temp: 21.9°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO, Body SAR, Back side, Ch. 1, 1 Mbps**

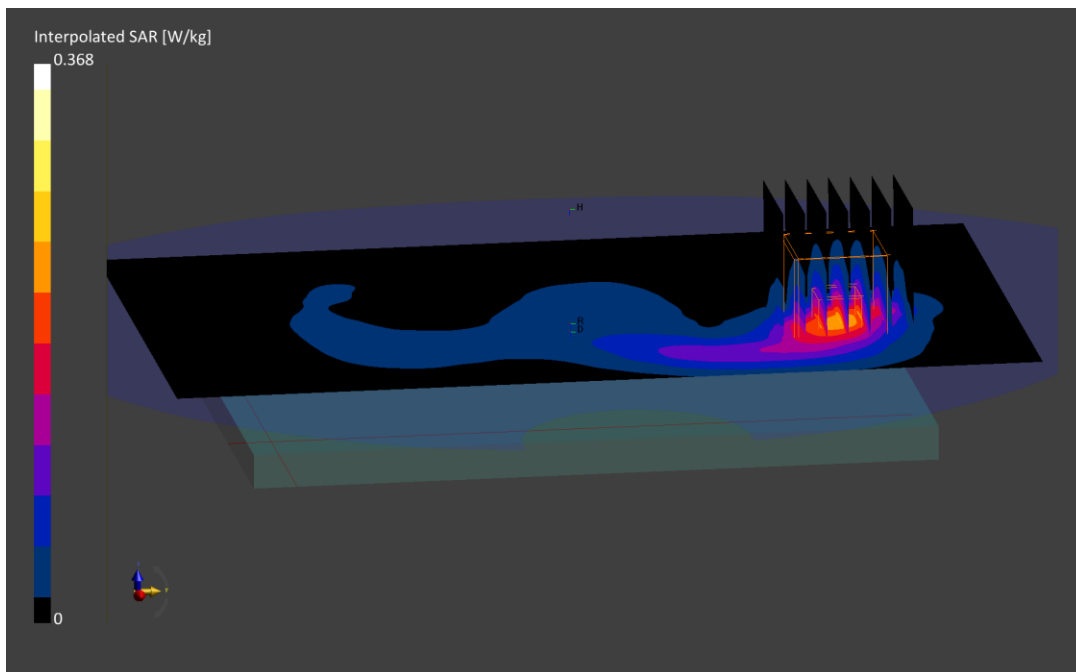
**Area Scan (120.0 x 200.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.16 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.200 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1603M**

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2412.0$  MHz;  $\text{cond} = 1.99$  S/m;  $\text{perm} = 53.1$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/13/2021; Ambient Temp: 21.9°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11b, 22 MHz Bandwidth, MIMO, Body SAR, Back side, Ch. 1, 1 Mbps**

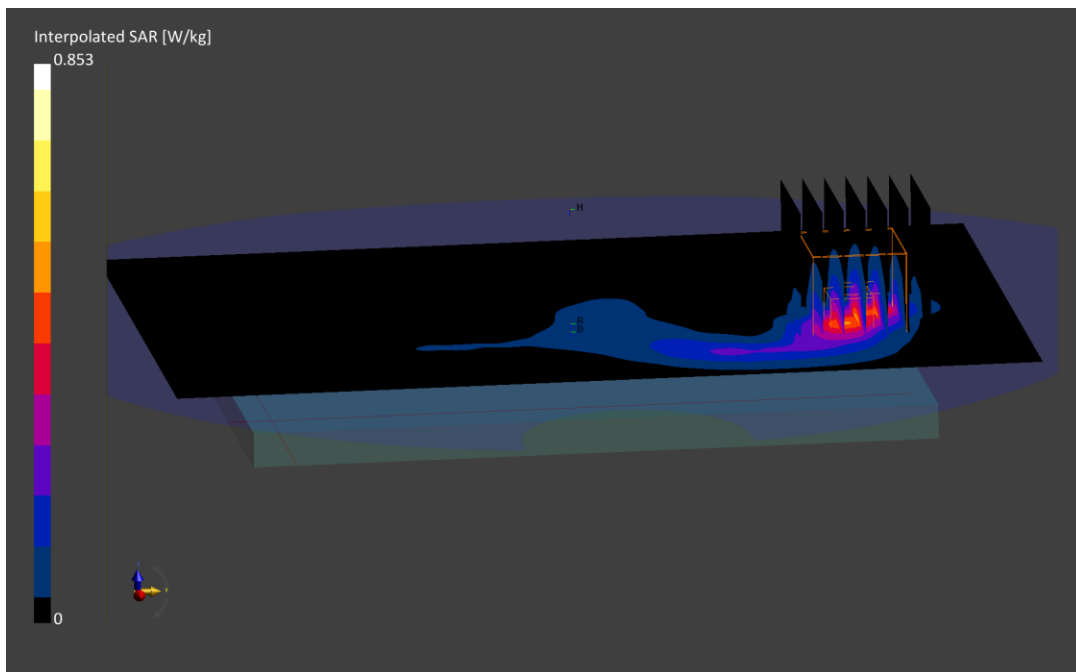
**Area Scan (120.0 x 200.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 0.38 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.853 W/kg

**SAR(1 g) = 0.426 W/kg**





# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0080M**

Communication System: UID:10626 - AAC, CW; MAIA: Y; Frequency: 5855.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5855.0 MHz; cond = 6.31 S/m; perm = 46.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/09/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7552; ConvF:(4.05,4.05,4.05); Calibrated: 2021-09-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22  
Phantom: Twin-SAM V8.0; Serial: 2056  
Measurement SW: DASY Module SAR V16.0.0.65

**Mode: IEEE 802.11ac, 80 MHz Bandwidth, UNII-4, MIMO  
Ch. 171, Body SAR, Back side, 58.5 Mbps**

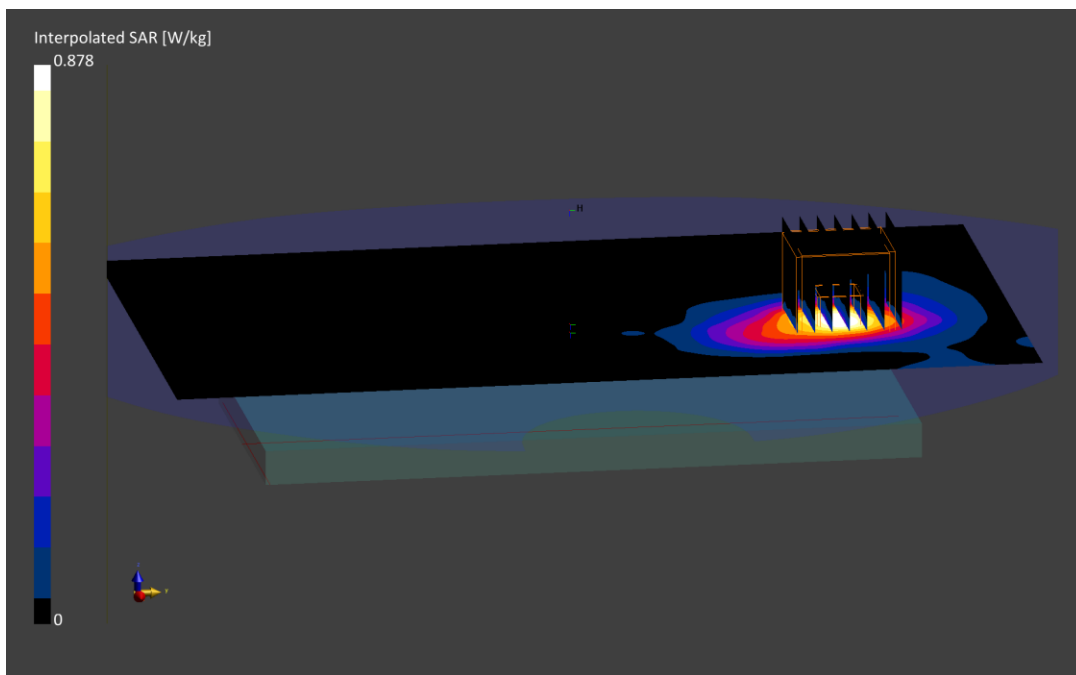
**Area Scan (120.0 x 200.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Reference Value = 0.21 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.878 W/kg

**SAR(1 g) = 0.220 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1789M**

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5775.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

$f = 5775.0$  MHz;  $\text{cond} = 6.08$  S/m;  $\text{perm} = 45.9$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 12/14/2021; Ambient Temp: 20.3°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7526; ConvF:(4.18,4.18,4.18); Calibrated: 2021-03-16

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1272; Calibrated: 2021-03-18

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ac, 80 MHz Bandwidth, UNII-3, MIMO, Ch. 155**  
**Body SAR, Back side, 58.5 Mbps**

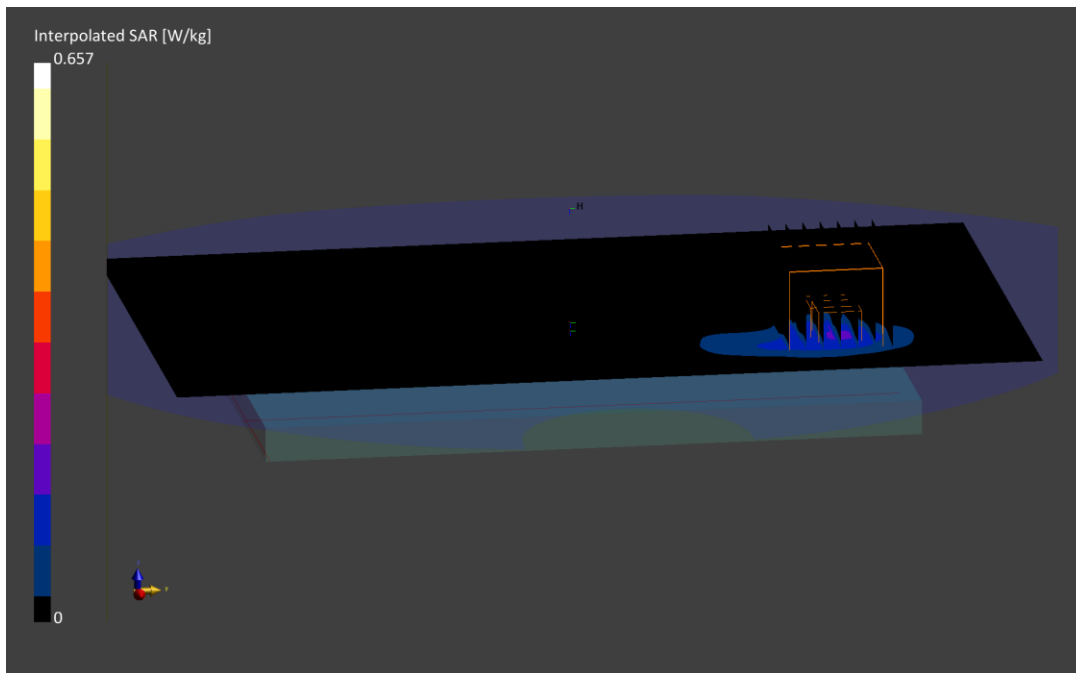
**Area Scan (120.0 x 200.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid:  $dx=4.0$  mm,  $dy=4.0$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Reference Value = 0.08 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.657 W/kg

**SAR(1 g) = 0.138 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0080M**

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2402.0 MHz; cond = 1.95 S/m; perm = 53.1; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15.00 mm

Test Date: 11/03/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn701; Calibrated: 2021-05-11

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: Bluetooth, Body SAR, Ch. 0, 1 Mbps, Back Side**

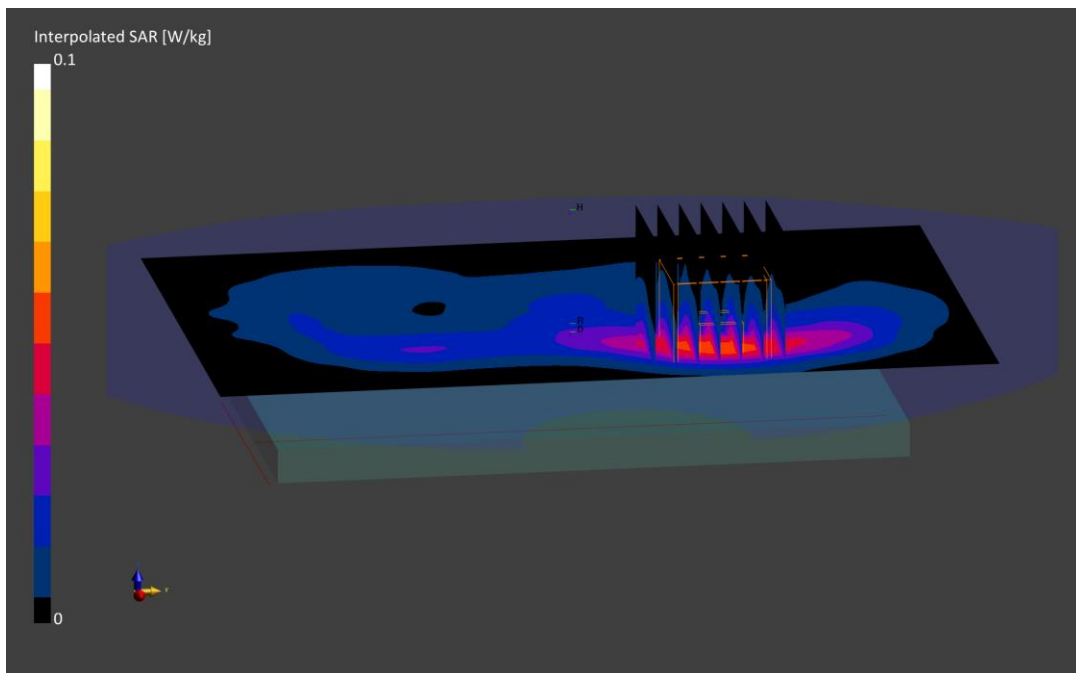
**Area Scan (120.0 x 180.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.06 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.083 W/kg

**SAR(1 g) = 0.045 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0080M**

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Body; Medium parameters used:

f = 2402.0 MHz; cond = 1.95 S/m; perm = 53.1; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10.00 mm

Test Date: 11/03/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn701; Calibrated: 2021-05-11

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASYS Module SAR V16.0.0.116

**Mode: Bluetooth, Body SAR, Left Edge, Ch. 0, 1 Mbps**

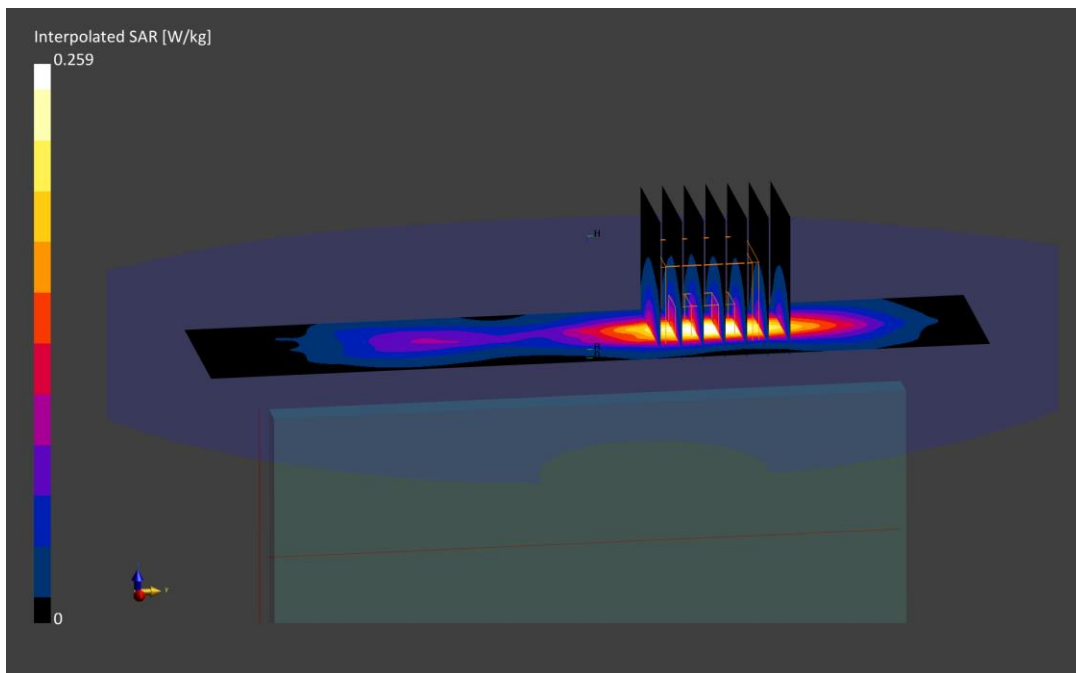
**Area Scan (40.0 x 180.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 0.21 W/kg; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.132 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0866M**

Communication System: UID:10027 - DAC, GSM; MAIA: Y; Frequency: 1880.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1880.0 MHz; cond = 1.56 S/m; perm = 52.9; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/20/2021; Ambient Temp: 22.3°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7546; ConvF:(7.78,7.78,7.78); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: GPRS 1900, Phablet SAR, Bottom edge, Mid.ch, 3 Tx Slots**

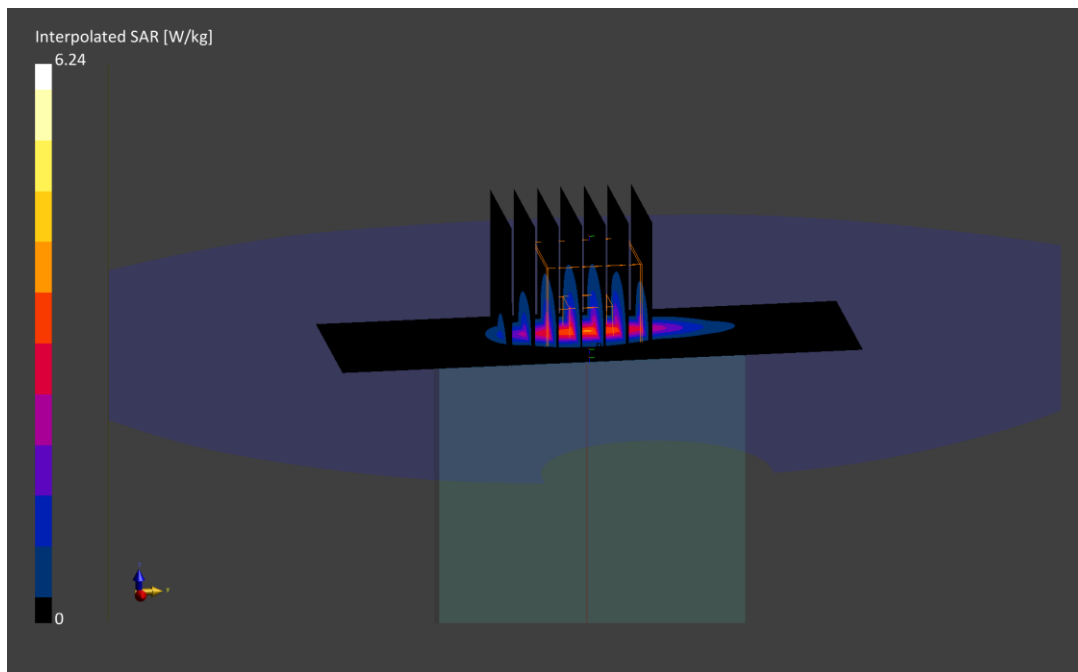
**Area Scan (40.0 x 120.0):** Measurement grid: dx=5.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.4 mm, dy=5.4 mm, dz=1.5 mm; Graded Ratio: 1.5

Reference Value = 2.38 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.24 W/kg

**SAR(10 g) = 1.12 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0827M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1732.4 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1732.4$  MHz;  $\text{cond} = 1.43$  S/m;  $\text{perm} = 51.8$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/18/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7421; ConvF:(7.92,7.92,7.92); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1750, Phablet SAR. Bottom edge, Mid.ch**

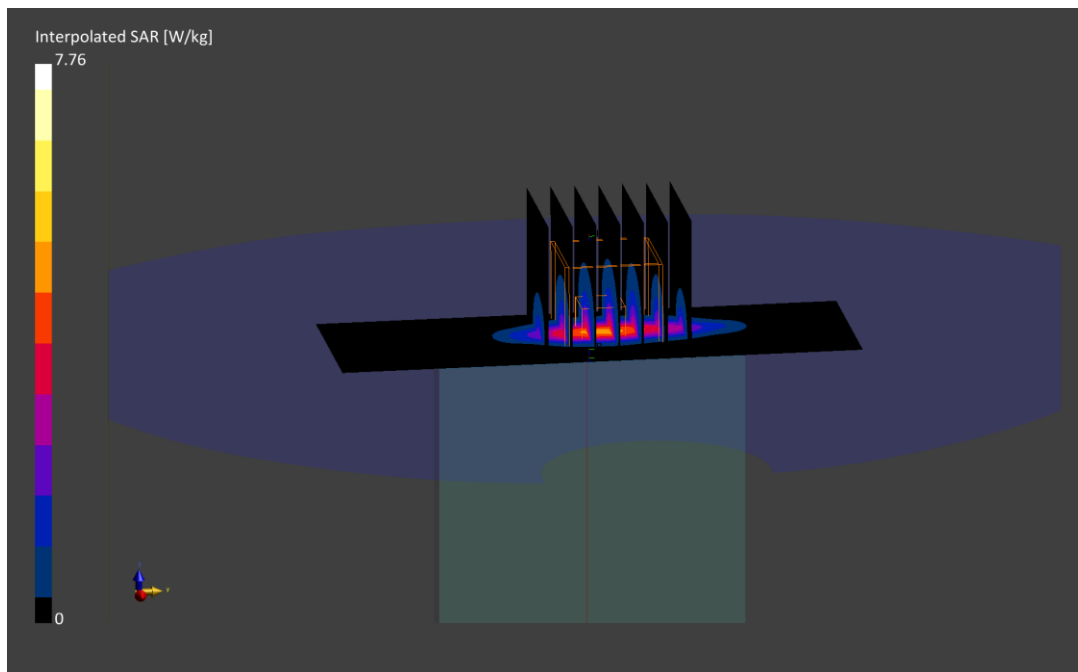
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.5$  mm,  $dy=5.5$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 3.09 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 7.76 W/kg

**SAR(10 g) = 1.46 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0827M**

Communication System: UID:10011 - CAB, WCDMA; MAIA: Y; Frequency: 1852.4 MHz

Medium: 1900 Body; Medium parameters used:

$f = 1852.4$  MHz;  $\text{cond} = 1.52$  S/m;  $\text{perm} = 51.7$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/18/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7421; ConvF:(7.72,7.72,7.72); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: UMTS 1900, Phablet SAR, Bottom edge, Low.ch**

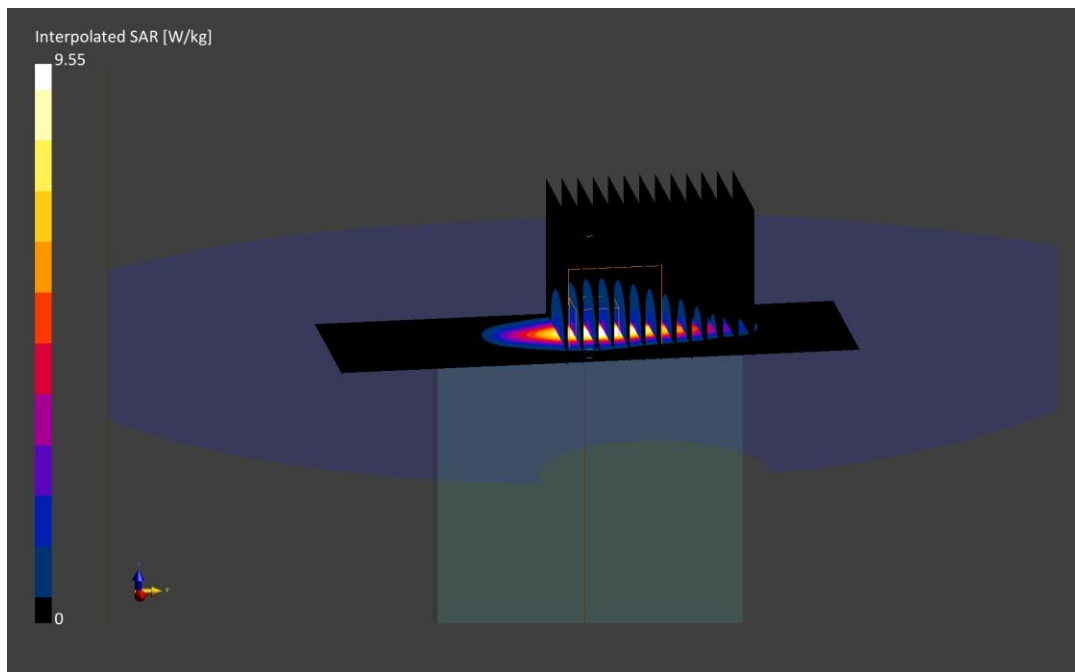
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=3.6$  mm,  $dy=3.6$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Reference Value = 2.38 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.55 W/kg

**SAR(10 g) = 1.18 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0827M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1720.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1720.0$  MHz;  $\text{cond} = 1.47$  S/m;  $\text{perm} = 51.8$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/14/2021; Ambient Temp: 22.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7546; ConvF:(7.95,7.95,7.95); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 66 (AWS), Phablet SAR, Front side, Low.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

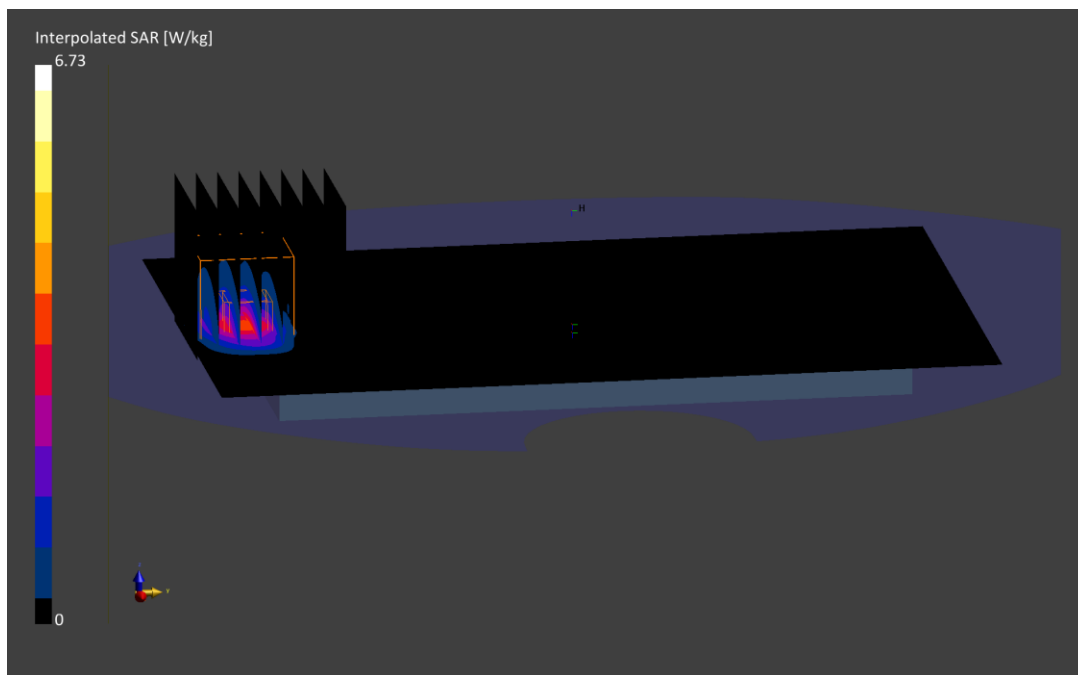
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=15.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=4.9$  mm,  $dy=4.9$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Reference Value = 2.44 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.73 W/kg

**SAR(10 g) = 1.13 W/kg**





# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0831M**

Communication System: UID:10169 - CAE, LTE-FDD; MAIA: Y; Frequency: 1860.0 MHz

Medium: 1900 Body; Medium parameters used:

f = 1860.0 MHz; cond = 1.55 S/m; perm = 51.5; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/18/2021; Ambient Temp: 21.5°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7546; ConvF:(7.78,7.78,7.78); Calibrated: 2021-07-21

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1402; Calibrated: 2021-07-14

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 25, Phablet SAR, Back side, Low.ch**  
**20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

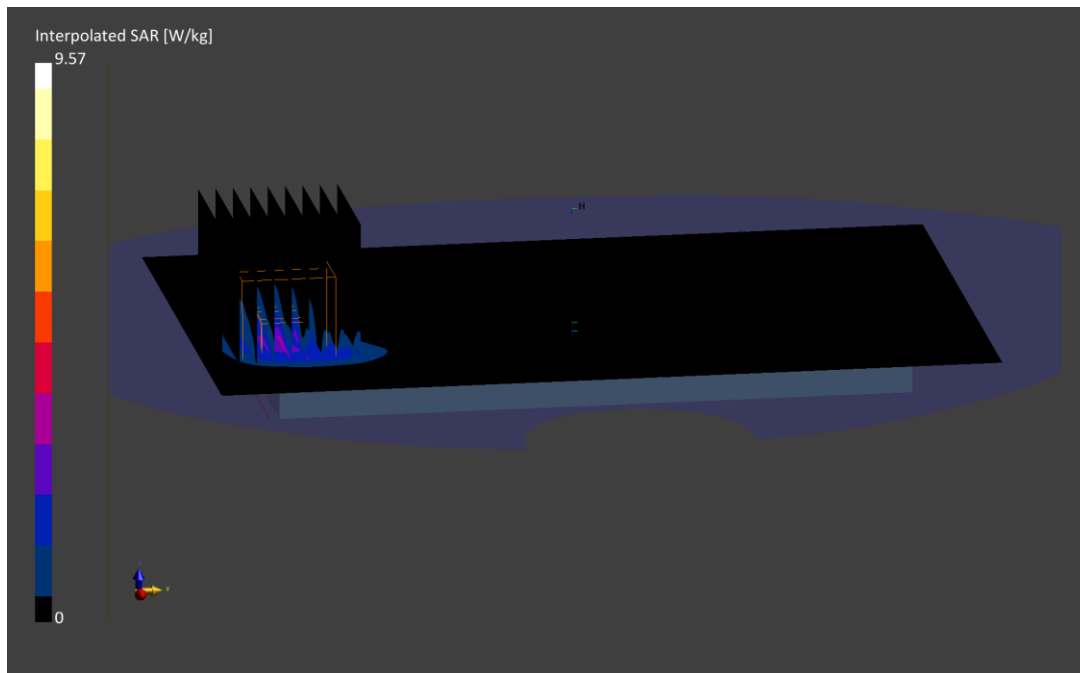
**Area Scan (120.0 x 180.0):** Measurement grid: dx=15.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Reference Value = 2.69 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 9.57 W/kg

**SAR(10 g) = 1.14 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0861M**

Communication System: UID:10435 - AAF, LTE-TDD; MAIA: Y; Frequency: 2549.5 MHz

Medium: 2450 Body; Medium parameters used:

$f = 2549.5$  MHz;  $\text{cond} = 2.16$  S/m;  $\text{perm} = 51.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/18/2021; Ambient Temp: 22.9°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7416; ConvF:(7.2,7.2,7.2); Calibrated: 2021-05-18

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn701; Calibrated: 2021-05-11

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: LTE Band 41 PC3, Phablet SAR, Back Side, Low-mid.ch,  
20 MHz Bandwidth, QPSK, 1 RB, 50 RB Offset**

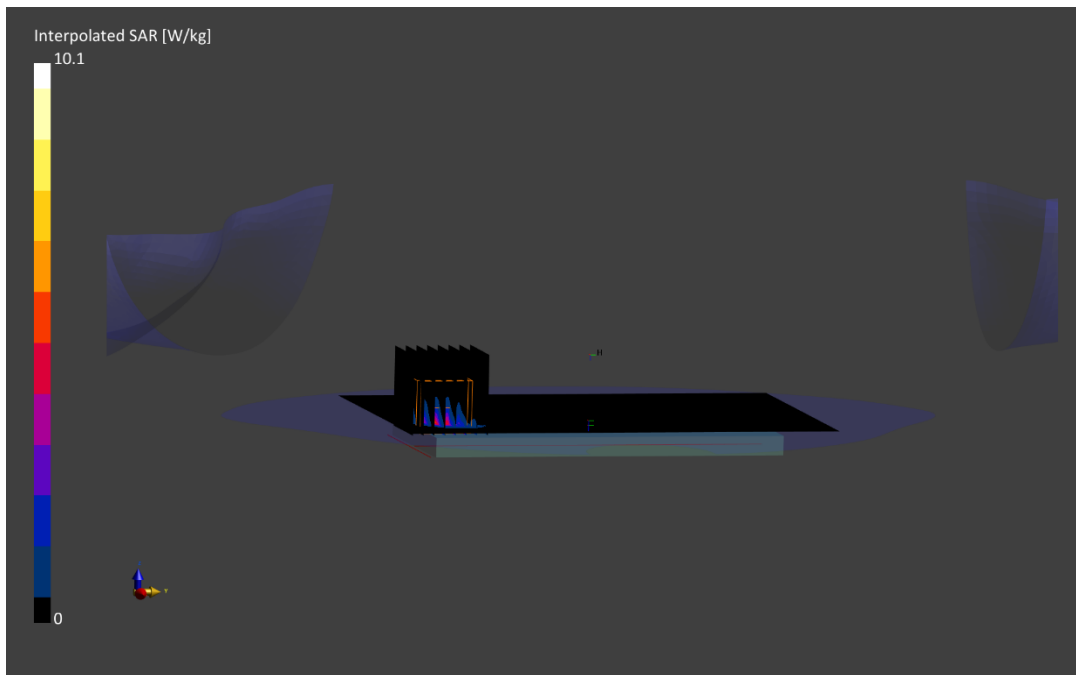
**Area Scan (120.0 x 180.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=4.5$  mm,  $dy=4.5$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 8.89 W/kg; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 10.1 W/kg

**SAR(10 g) = 1.31 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 0867M**

Communication System: UID:10939 - AAB, 5G NR FR1 FDD; MAIA: Y; Frequency: 1770.0 MHz

Medium: 1750 Body; Medium parameters used:

$f = 1770.0$  MHz;  $\text{cond} = 1.46$  S/m;  $\text{perm} = 53.0$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/17/2021; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7421; ConvF:(7.92,7.92,7.92); Calibrated: 2021-03-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2021-08-02

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: NR Band n66, Phablet SAR, Bottom Edge, 20 MHz Bandwidth, Ch. 354000,  
DFT-s-OFDM QPSK, 50 RB, 28 RB Offset**

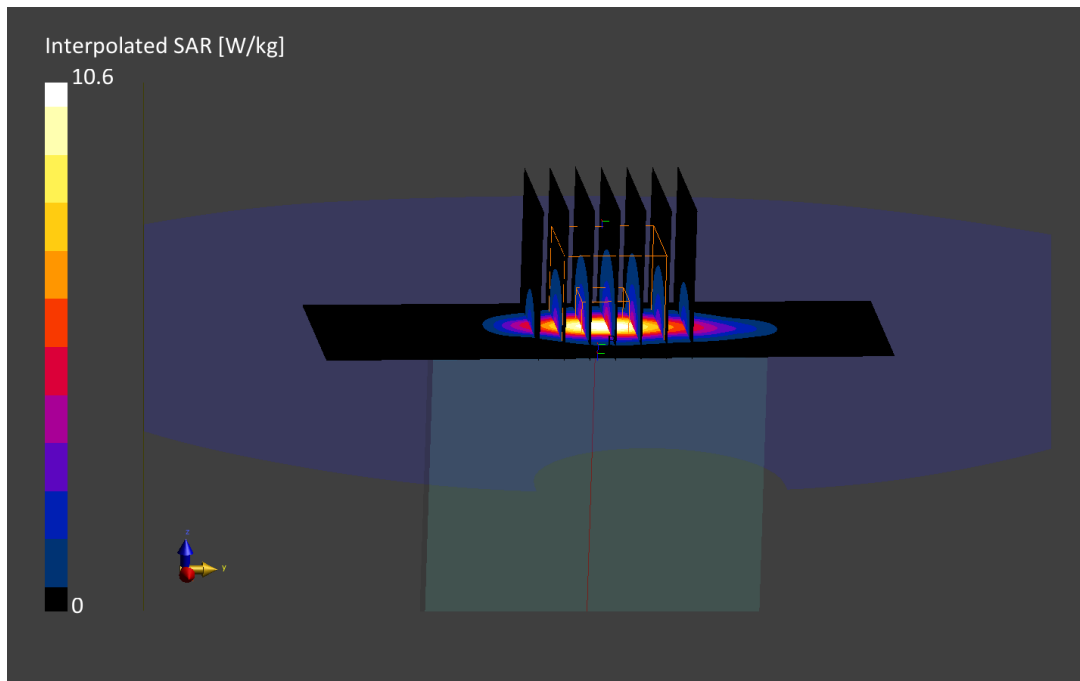
**Area Scan (40.0 x 120.0):** Measurement grid:  $dx=5.0$  mm,  $dy=15.0$  mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid:  $dx=5.4$  mm,  $dy=5.4$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

Reference Value = 4.05 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 10.6 W/kg

**SAR(10 g) = 1.88 W/kg**



# PCTEST

**DUT: A3LSMS901E; Type: Portable Handset; Serial: 1789M**

Communication System: UID:10626 - AAC, WLAN; MAIA: Y; Frequency: 5290.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

$f = 5290.0$  MHz;  $\text{cond} = 5.40$  S/m;  $\text{perm} = 46.8$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/14/2021; Ambient Temp: 20.3°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7526; ConvF:(4.55,4.55,4.55); Calibrated: 2021-03-16

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1272; Calibrated: 2021-03-18

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ac, UNII-2A, 80 MHz Bandwidth, MIMO  
Phablet SAR, Left Edge, Ch. 58, 58.5 Mbps**

**Area Scan (40.0 x 180.0):** Measurement grid:  $dx=5.0$  mm,  $dy=10.0$  mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid:  $dx=2.7$  mm,  $dy=2.7$  mm,  $dz=1.2$  mm; Graded Ratio: 1.2

Reference Value = 2.64 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 29.1 W/kg

**SAR(10 g) = 1.06 W/kg**

