

17-3_WLAN2.4G_802.11b 1Mbps_mode 1(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2412 \text{ MHz}$; $\sigma = 1.803 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (101x201x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$ Maximum value of SAR (interpolated) = 1.81 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.72 V/m ; Power Drift = -0.14 dB

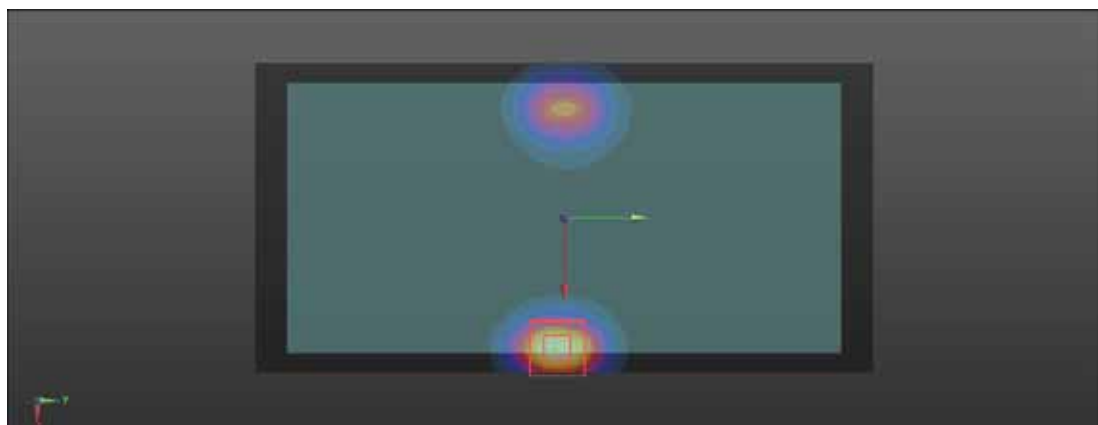
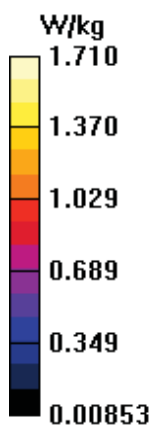
Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 1.03 W/kg ; SAR(10 g) = 0.479 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 48.5%

Maximum value of SAR (measured) = 1.71 W/kg



17-4_WLAN2.4G_802.11b 1Mbps_mode 1(5mm)_Ch6

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2437$ MHz; $\sigma = 1.832$ S/m; $\epsilon_r = 41.065$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2437 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (101x201x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm Maximum value of SAR (interpolated) = 1.60 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 29.27 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 0.937 W/kg; SAR(10 g) = 0.439 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 48.3%

Maximum value of SAR (measured) = 1.56 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 29.27 V/m; Power Drift = -0.03 dB

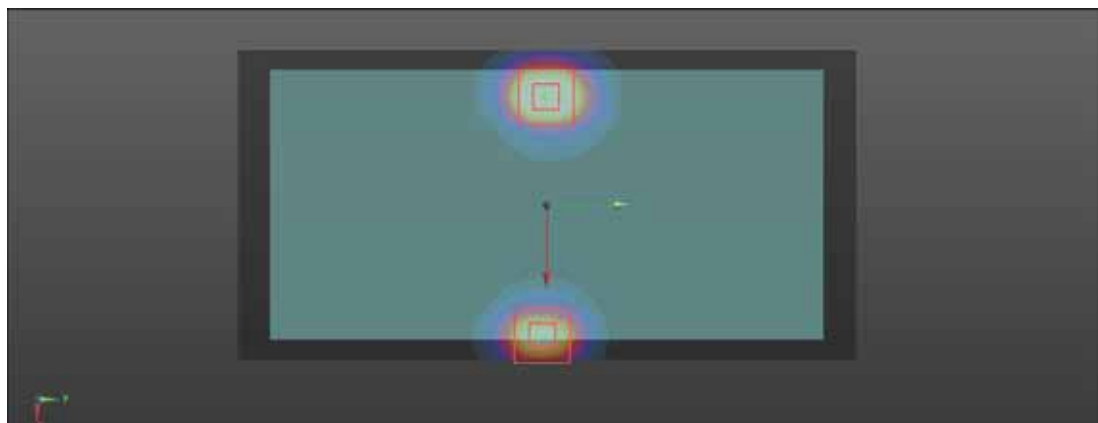
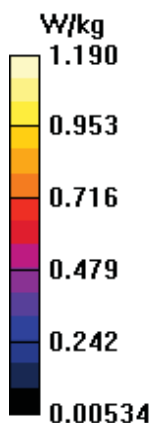
Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.326 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 47.6%

Maximum value of SAR (measured) = 1.19 W/kg



17-5_WLAN2.4G_802.11b 1Mbps_mode 1(5mm)_Ch11

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2462$ MHz; $\sigma = 1.846$ S/m; $\epsilon_r = 41.076$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2462 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch11/Area Scan (101x201x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 1.98 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.11 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.35 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.481 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 46.7%

Maximum value of SAR (measured) = 1.85 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.11 V/m; Power Drift = -0.08 dB

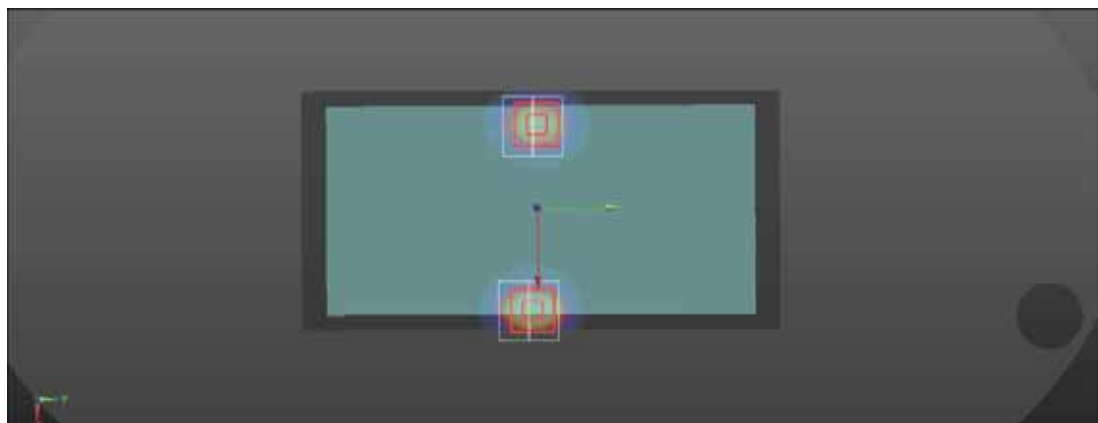
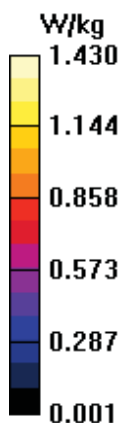
Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.396 W/kg

Smallest distance from peaks to all points 3 dB below = 10 mm

Ratio of SAR at M2 to SAR at M1 = 47.9%

Maximum value of SAR (measured) = 1.43 W/kg



Test Laboratory: BACL SAR Testing Lab

17-6_WLAN2.4G_802.11b 1Mbps_mode 1(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2412 \text{ MHz}$; $\sigma = 1.803 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (101x201x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$ Maximum value of SAR (interpolated) = 1.70 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.83 V/m ; Power Drift = -0.02 dB

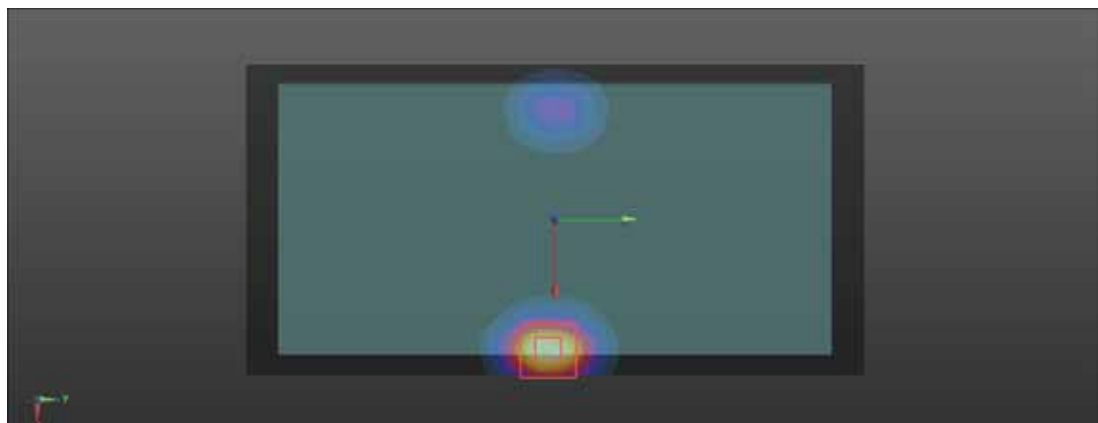
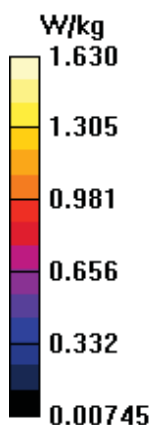
Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.976 W/kg ; SAR(10 g) = 0.454 W/kg

Smallest distance from peaks to all points 3 dB below = 9.8 mm

Ratio of SAR at M2 to SAR at M1 = 48.1%

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



18_WLAN2.4G_802.11b 1Mbps_mode 2(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.803$ S/m; $\epsilon_r = 41.103$;

$\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (101x201x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.41 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.345 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 47.8%

Maximum value of SAR (measured) = 1.28 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.41 V/m; Power Drift = -0.09 dB

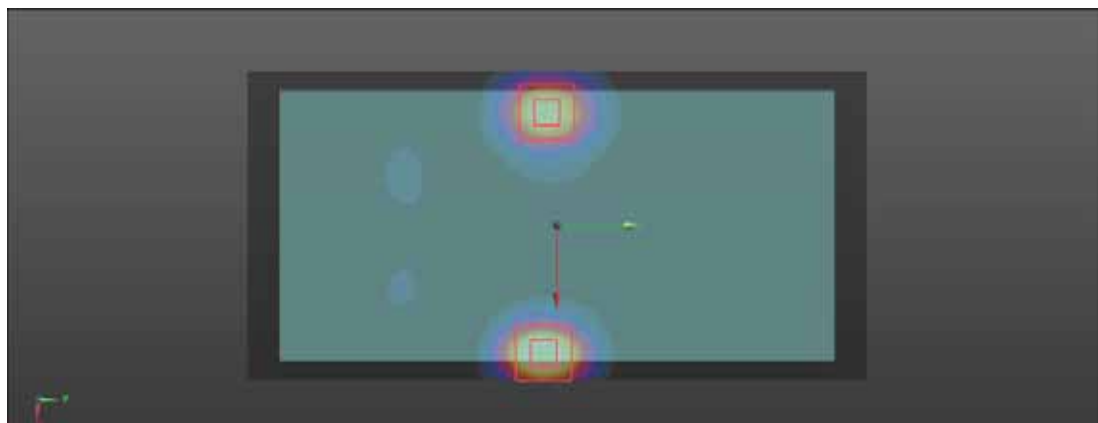
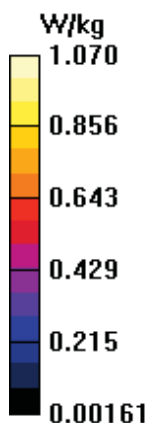
Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.303 W/kg

Smallest distance from peaks to all points 3 dB below = 10.2 mm

Ratio of SAR at M2 to SAR at M1 = 48.4%

Maximum value of SAR (measured) = 1.07 W/kg



Test Laboratory: BACL SAR Testing Lab

19_WLAN2.4G_802.11b 1Mbps_mode 3(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2412 \text{ MHz}$; $\sigma = 1.803 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (131x81x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.142 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.937 V/m ; Power Drift = -0.08 dB

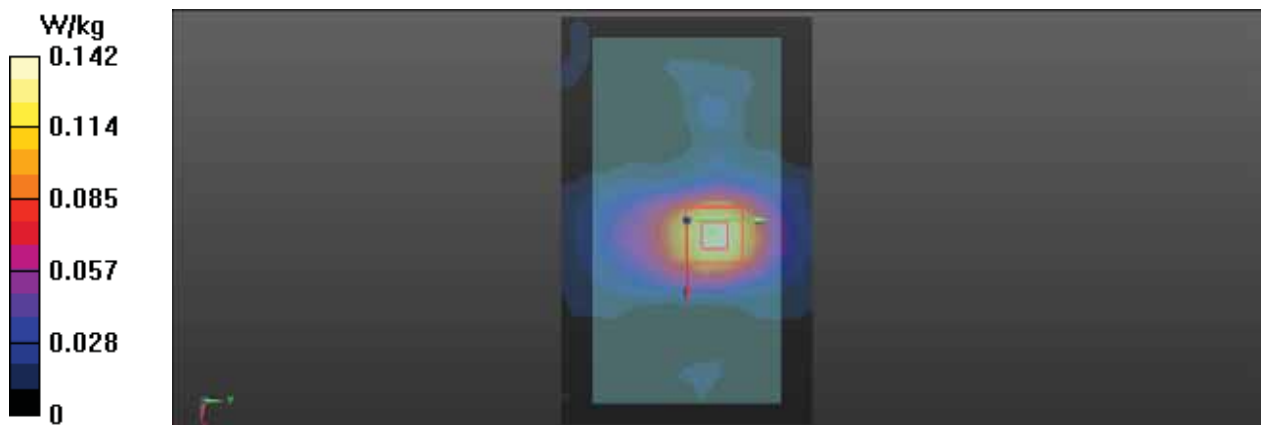
Peak SAR (extrapolated) = 0.176 W/kg

SAR(1 g) = 0.091 W/kg ; SAR(10 g) = 0.047 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 49.7%

Maximum value of SAR (measured) = 0.142 W/kg



Test Laboratory: BACL SAR Testing Lab

20_WLAN2.4G_802.11b 1Mbps_mode 4(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2412 \text{ MHz}$; $\sigma = 1.803 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (131x81x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.157 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.135 V/m ; Power Drift = -0.09 dB

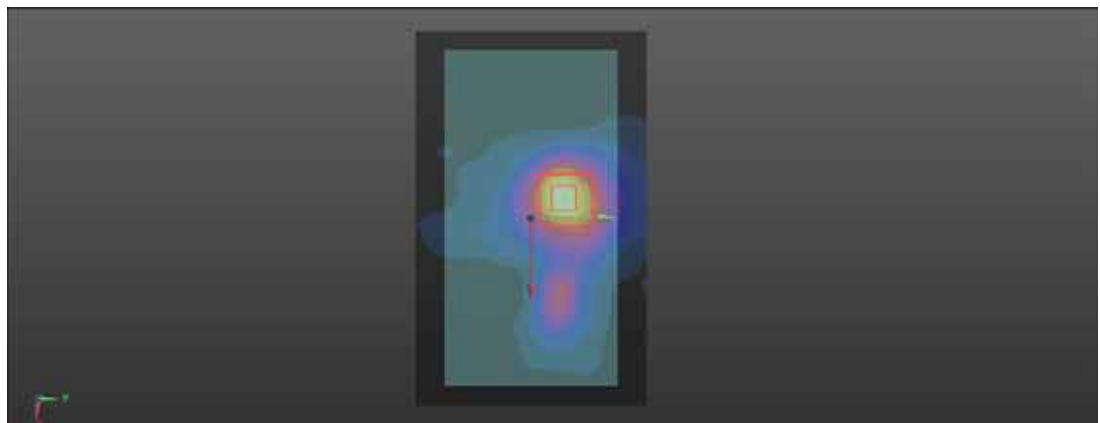
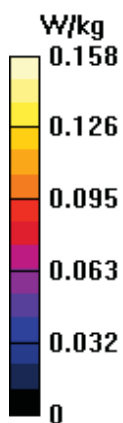
Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.097 W/kg ; SAR(10 g) = 0.047 W/kg

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 0.158 W/kg



Test Laboratory: BACL SAR Testing Lab

21_WLAN2.4G_802.11b 1Mbps_mode 5(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2412$ MHz; $\sigma = 1.803$ S/m; $\epsilon_r = 41.103$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1 Ant0/Area Scan (71x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.284 W/kg

Ch1 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.14 V/m; Power Drift = 0.05 dB

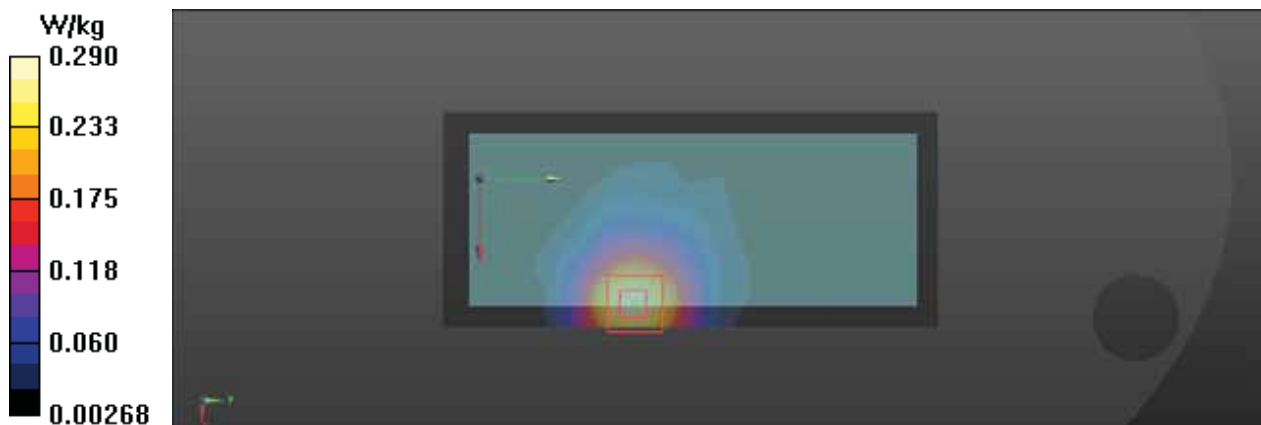
Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.103 W/kg

Smallest distance from peaks to all points 3 dB below = 18 mm

Ratio of SAR at M2 to SAR at M1 = 52.5%

Maximum value of SAR (measured) = 0.290 W/kg



Test Laboratory: BACL SAR Testing Lab

21-2_WLAN2.4G_802.11b 1Mbps_mode 5(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.803$ S/m; $\epsilon_r = 41.103$;

$\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1 Ant1/Area Scan (71x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.135 W/kg

Ch1 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 7.997 V/m; Power Drift = -0.07 dB

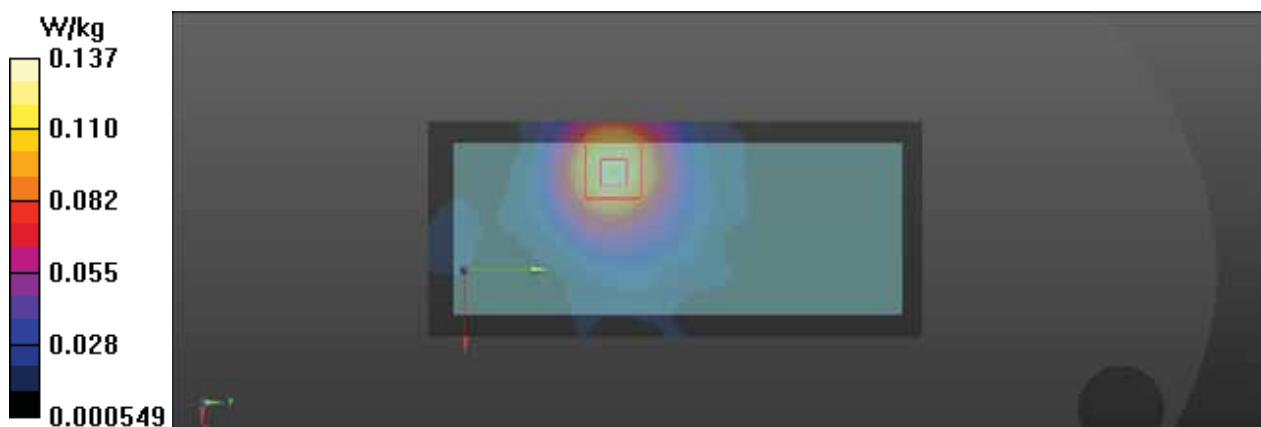
Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.049 W/kg

Smallest distance from peaks to all points 3 dB below = 19.1 mm

Ratio of SAR at M2 to SAR at M1 = 52.7%

Maximum value of SAR (measured) = 0.137 W/kg



Test Laboratory: BACL SAR Testing Lab

22_WLAN2.4G_802.11b 1Mbps_mode 6(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used : $f = 2412 \text{ MHz}$; $\sigma = 1.803 \text{ S/m}$; $\epsilon_r = 41.103$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1 Ant0/Area Scan (71x161x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 0.247 W/kg

Ch1 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.313 V/m ; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.163 W/kg ; SAR(10 g) = 0.091 W/kg

Smallest distance from peaks to all points 3 dB below = 18.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.5%

Maximum value of SAR (measured) = 0.246 W/kg



22-2_WLAN2.4G_802.11b 1Mbps_mode 6(5mm)_Ch1

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.803$ S/m; $\epsilon_r = 41.103$;

$\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(7.48, 7.48, 7.48) @ 2412 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1 Ant1/Area Scan (71x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.202 W/kg

Ch1 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.165 V/m; Power Drift = -0.04 dB

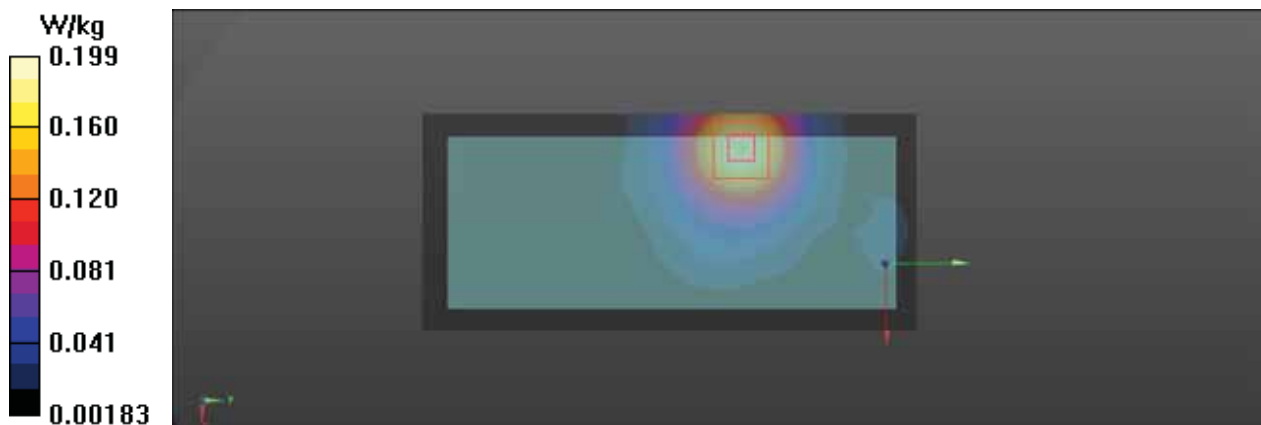
Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.074 W/kg

Smallest distance from peaks to all points 3 dB below = 19.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.3%

Maximum value of SAR (measured) = 0.199 W/kg



1_WLAN5G_802.11a 6Mbps_mode 1(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

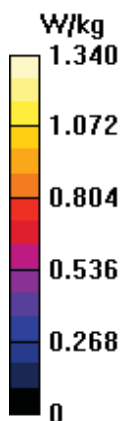
DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Ch40/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 9.573 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.169 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 66.5%
Maximum value of SAR (measured) = 1.34 W/kg

Ch40/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
Reference Value = 9.573 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.81 W/kg
SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.140 W/kg
Smallest distance from peaks to all points 3 dB below = 7.5 mm
Ratio of SAR at M2 to SAR at M1 = 66.5%
Maximum value of SAR (measured) = 1.10 W/kg



2_WLAN5G_802.11a 6Mbps_mode 2(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.993 W/kg

Ch40/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 9.885 V/m; Power Drift = -0.05 dB

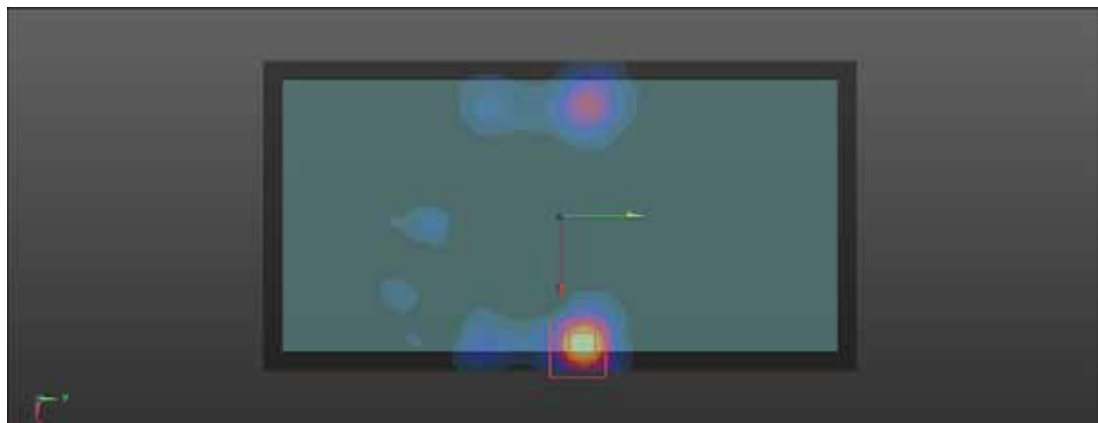
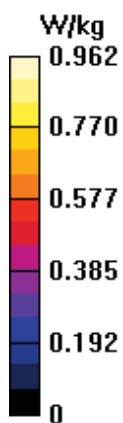
Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.117 W/kg

Smallest distance from peaks to all points 3 dB below = 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 66.2%

Maximum value of SAR (measured) = 0.962 W/kg



Test Laboratory: BACL SAR Testing Lab

3_WLAN5G_802.11a 6Mbps_mode 3(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.199 W/kg

Ch40/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.194 V/m; Power Drift = 0.03 dB

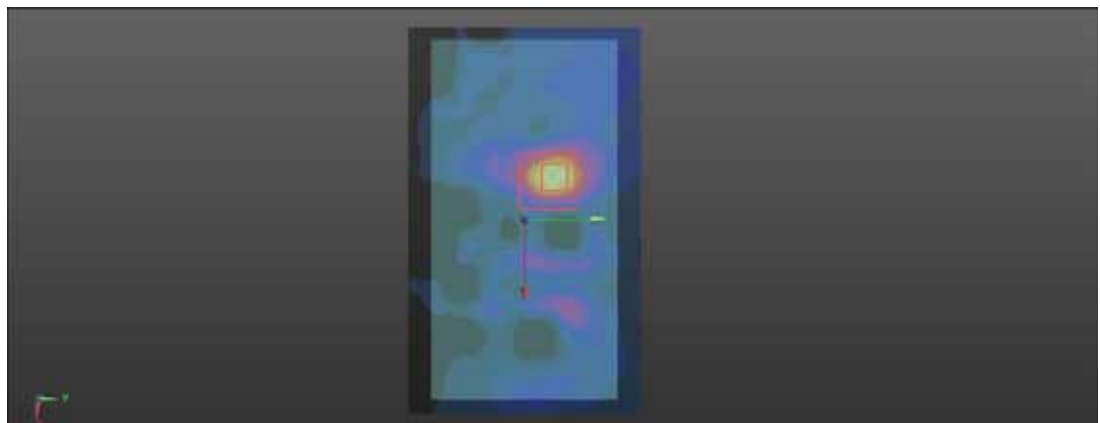
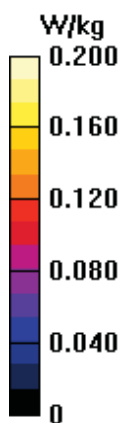
Peak SAR (extrapolated) = 0.594 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.029 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 64.7%

Maximum value of SAR (measured) = 0.200 W/kg



Test Laboratory: BACL SAR Testing Lab

4_WLAN5G_802.11a 6Mbps_mode 4(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.366 W/kg

Ch40/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.046 V/m; Power Drift = -0.04 dB

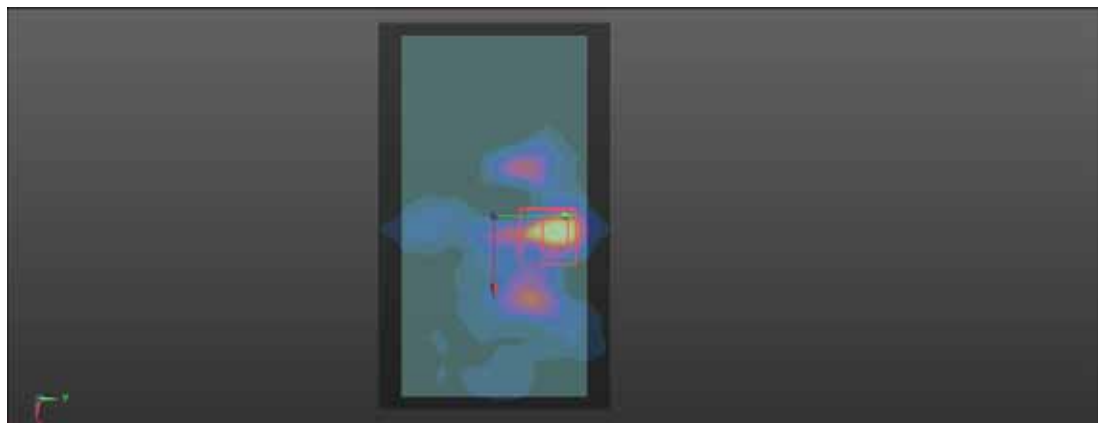
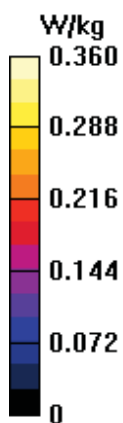
Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.041 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 63.2%

Maximum value of SAR (measured) = 0.360 W/kg



23_WLAN5G_802.11a 6Mbps_mode 5(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40 Ant0/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.309 W/kg

Ch40 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.490 V/m; Power Drift = -0.07 dB

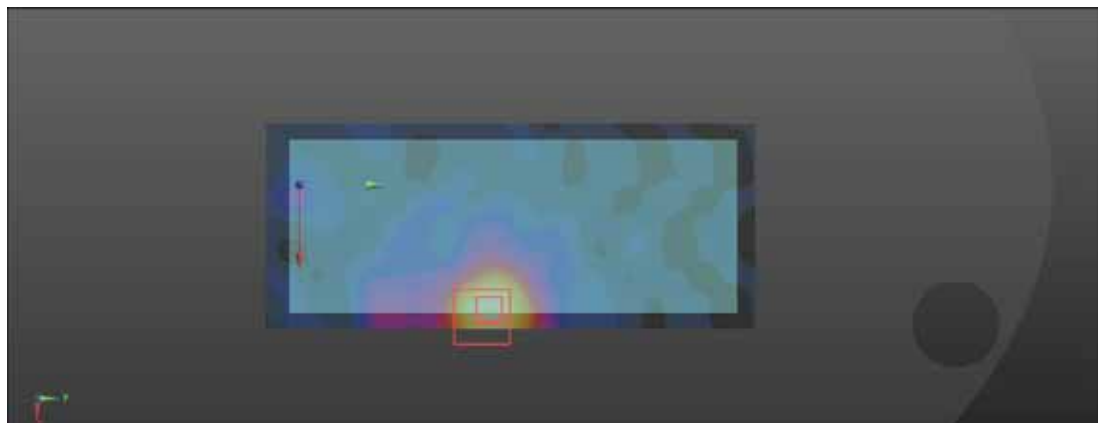
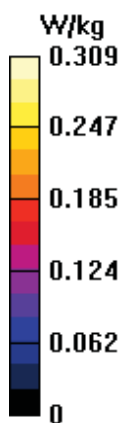
Peak SAR (extrapolated) = 0.515 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.059 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.6%

Maximum value of SAR (measured) = 0.309 W/kg



23-2_WLAN5G_802.11a 6Mbps_mode 5(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40 Ant1/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Ch40 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 5.641 V/m; Power Drift = -0.08 dB

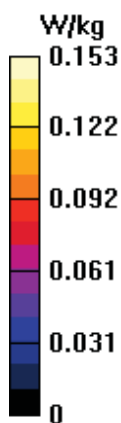
Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.027 W/kg

Smallest distance from peaks to all points 3 dB below = 13 mm

Ratio of SAR at M2 to SAR at M1 = 61.7%

Maximum value of SAR (measured) = 0.153 W/kg



24_WLAN5G_802.11a 6Mbps_mode 6(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40 Ant0/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.303 W/kg

Ch40 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.579 V/m; Power Drift = -0.14 dB

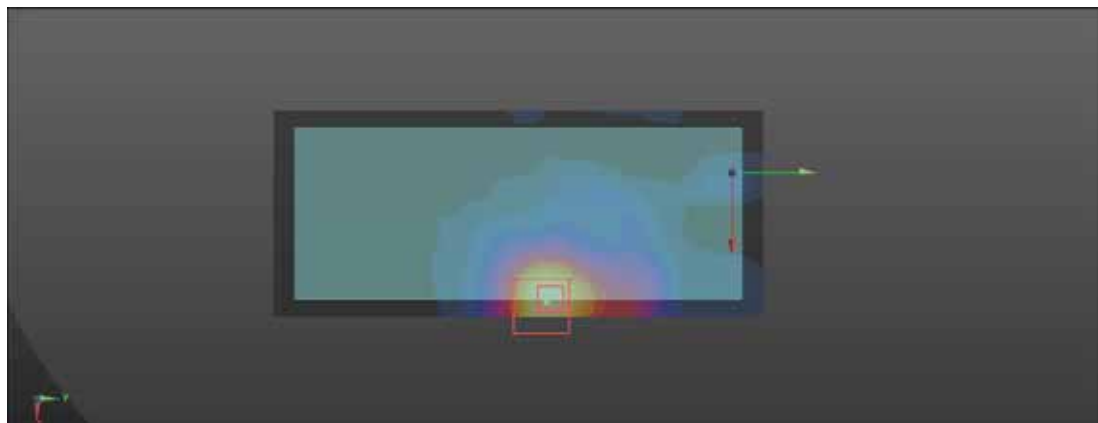
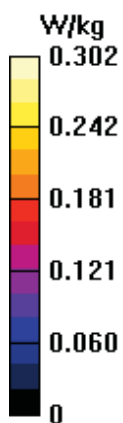
Peak SAR (extrapolated) = 0.483 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.063 W/kg

Smallest distance from peaks to all points 3 dB below = 17.8 mm

Ratio of SAR at M2 to SAR at M1 = 65.9%

Maximum value of SAR (measured) = 0.302 W/kg



24-2_WLAN5G_802.11a 6Mbps_mode 6(5mm)_Ch40

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.609$ S/m; $\epsilon_r = 35.535$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5200 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40 Ant1/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.208 W/kg

Ch40 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.373 V/m; Power Drift = -0.18 dB

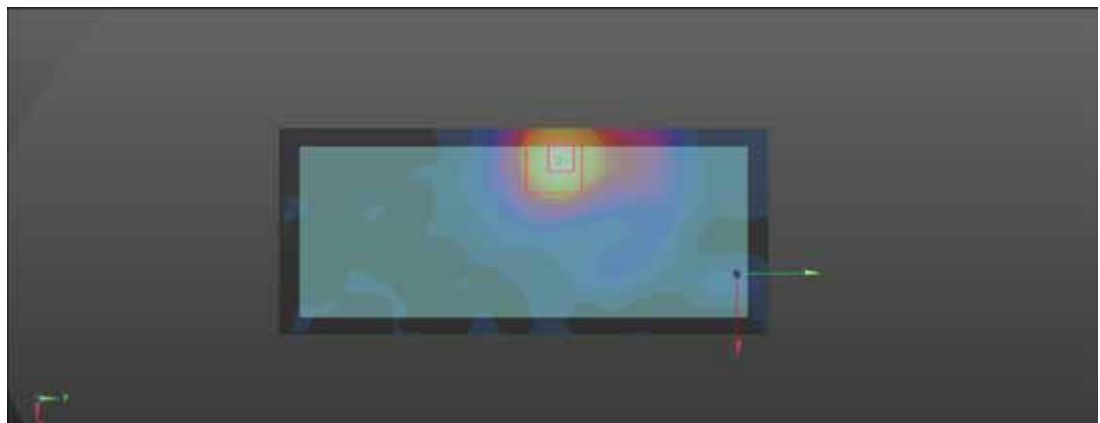
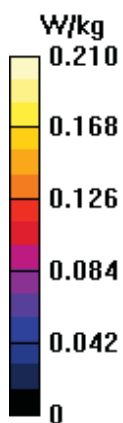
Peak SAR (extrapolated) = 0.343 W/kg

SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.043 W/kg

Smallest distance from peaks to all points 3 dB below = 17 mm

Ratio of SAR at M2 to SAR at M1 = 65.1%

Maximum value of SAR (measured) = 0.210 W/kg



9_WLAN5G_802.11ac_VHT80 MCS0_mode 1(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.284 W/kg

Ch42/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.908 V/m; Power Drift = -0.09 dB

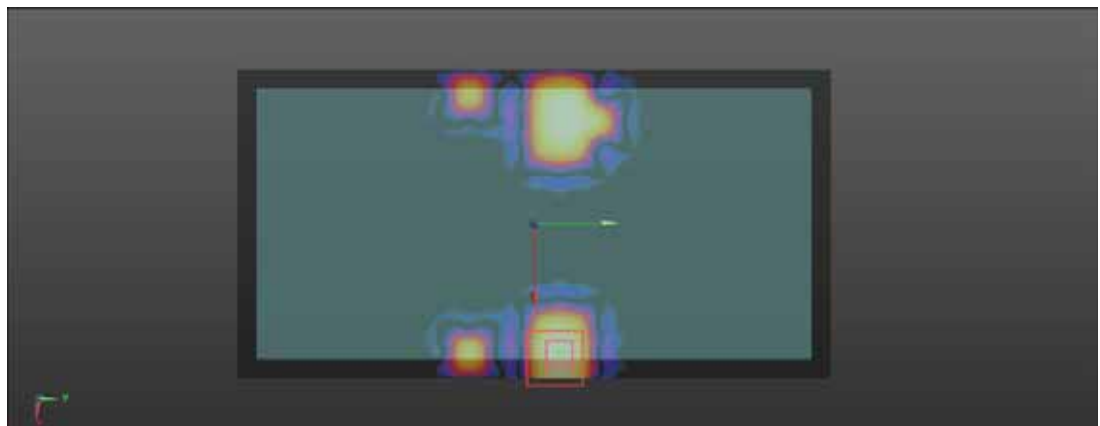
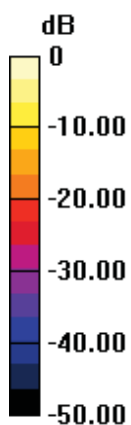
Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.011 W/kg

Smallest distance from peaks to all points 3 dB below = 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.4%

Maximum value of SAR (measured) = 0.156 W/kg



Test Laboratory: BACL SAR Testing Lab

10_WLAN5G_802.11ac_VHT80 MCS0_mode 2(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.190 W/kg

Ch42/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.682 V/m; Power Drift = -0.14 dB

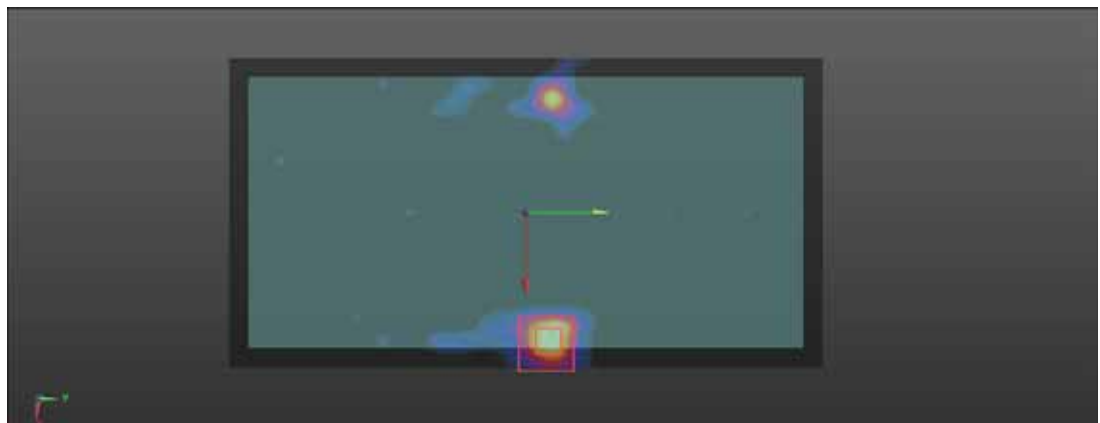
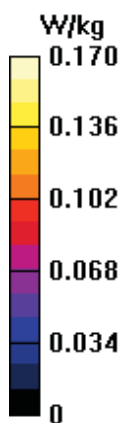
Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.017 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 58.2%

Maximum value of SAR (measured) = 0.170 W/kg



11_WLAN5G_802.11ac_VHT80 MCS0_mode 3(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0358 W/kg

Ch42/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.580 V/m; Power Drift = -0.07 dB

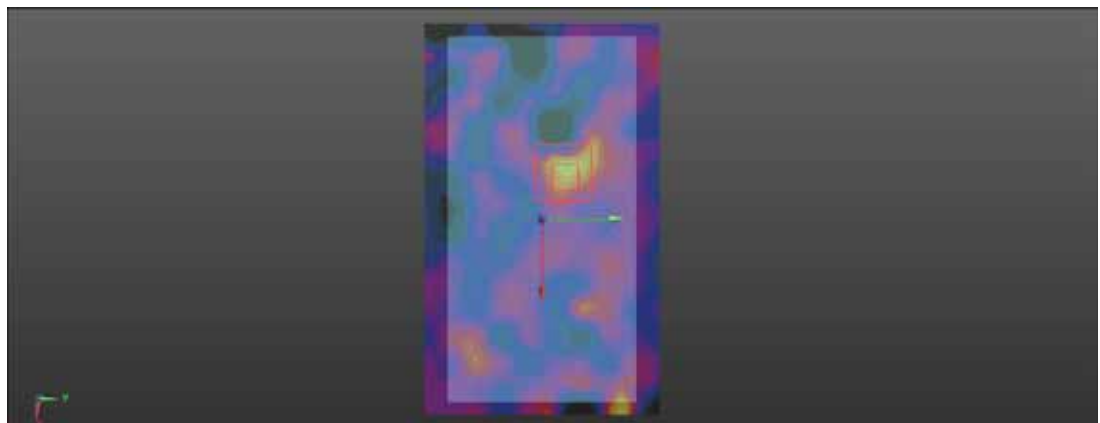
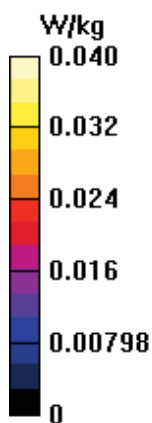
Peak SAR (extrapolated) = 0.0810 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00422 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 52%

Maximum value of SAR (measured) = 0.0399 W/kg



12_WLAN5G_802.11ac_VHT80 MCS0_mode 4(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.614 \text{ S/m}$; $\epsilon_r = 35.478$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42/Area Scan (151x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 0.0411 W/kg

Ch42/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 2.160 V/m ; Power Drift = -0.03 dB

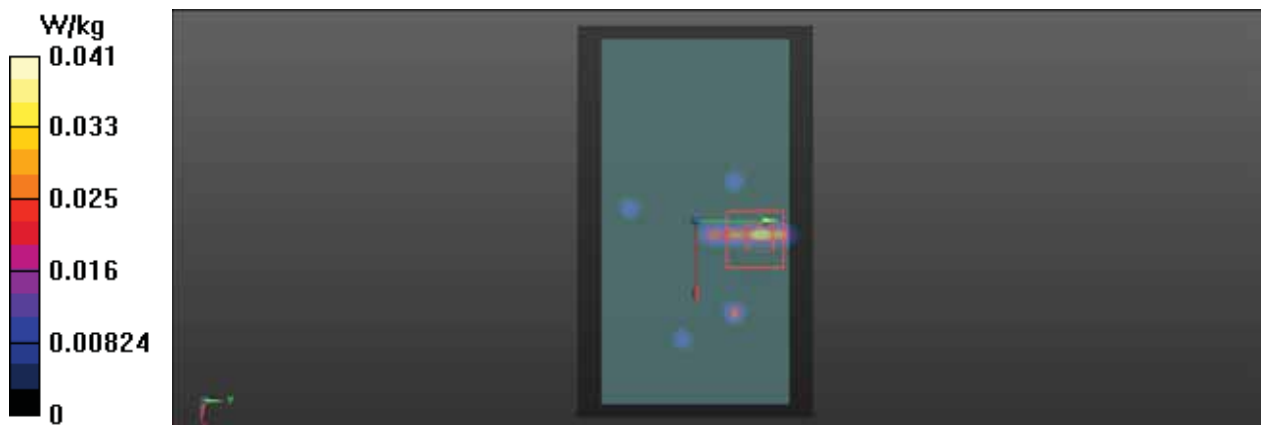
Peak SAR (extrapolated) = 0.132 W/kg

SAR(1 g) = 0.012 W/kg ; SAR(10 g) = 0.00269 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 44.5%

Maximum value of SAR (measured) = 0.0412 W/kg



27_WLAN5G_802.11ac_VHT80 MCS0_mode 5(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42 Ant0/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0912 W/kg

Ch42 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.121 V/m; Power Drift = 0.10 dB

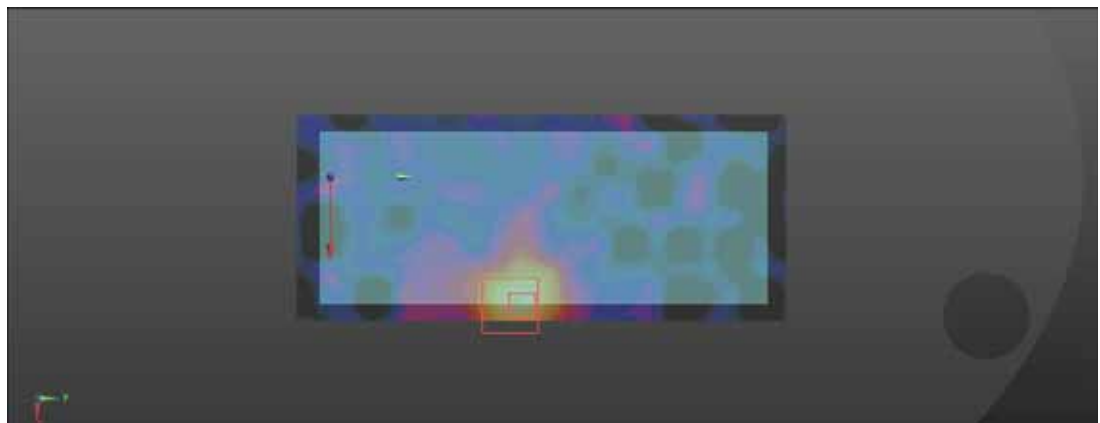
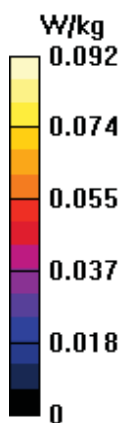
Peak SAR (extrapolated) = 0.171 W/kg

SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.015 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 69.5%

Maximum value of SAR (measured) = 0.0921 W/kg



27-2_WLAN5G_802.11ac_VHT80 MCS0_mode 5(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42 Ant1/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0805 W/kg

Ch42 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 4.161 V/m; Power Drift = -0.07 dB

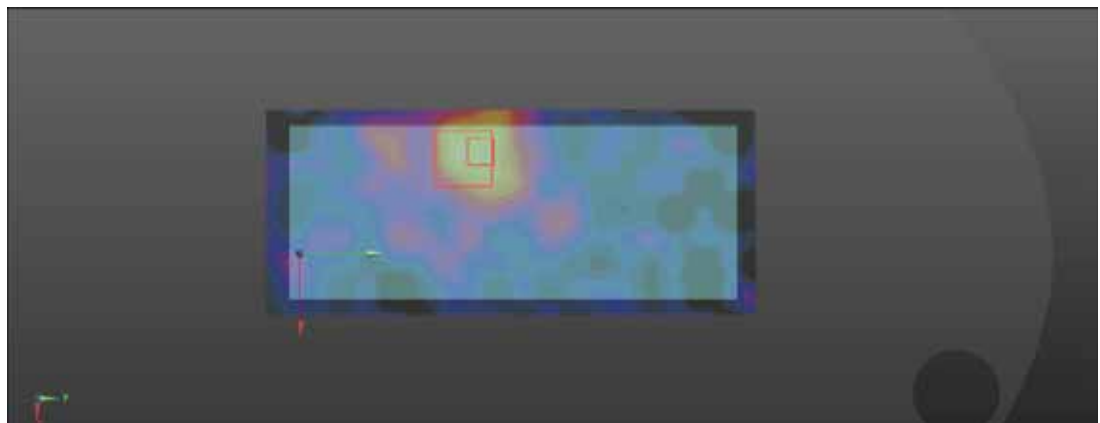
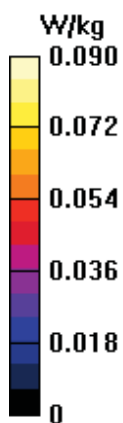
Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.014 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 66.8%

Maximum value of SAR (measured) = 0.0898 W/kg



28_WLAN5G_802.11ac_VHT80 MCS0_mode 6(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42 Ant0/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0936 W/kg

Ch42 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 4.246 V/m; Power Drift = -0.07 dB

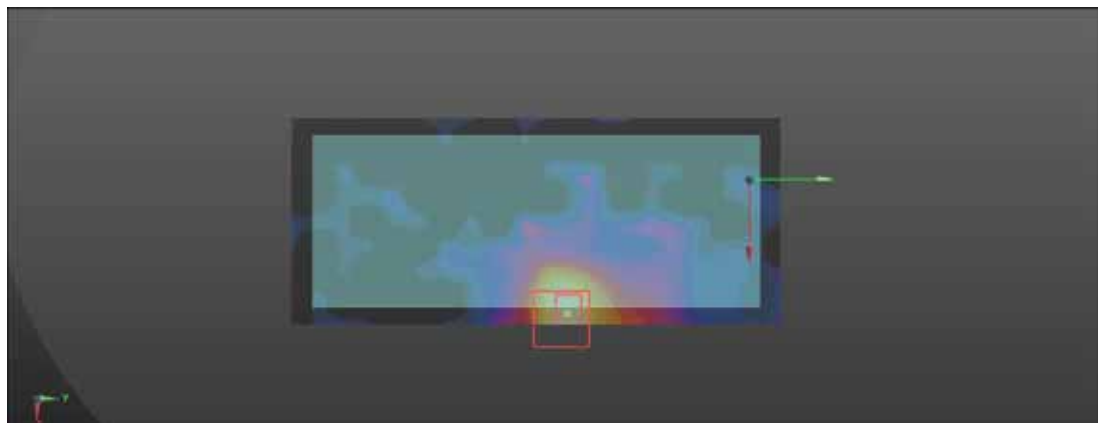
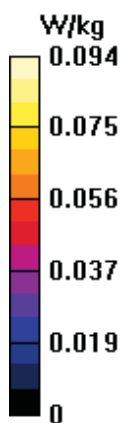
Peak SAR (extrapolated) = 0.158 W/kg

SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.017 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 64.2%

Maximum value of SAR (measured) = 0.0936 W/kg



28-2_WLAN5G_802.11ac_VHT80 MCS0_mode 6(5mm)_Ch42

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5210$ MHz; $\sigma = 4.614$ S/m; $\epsilon_r = 35.478$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.8, 4.8, 4.8) @ 5210 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42 Ant1/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0490 W/kg

Ch42 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.902 V/m; Power Drift = -0.05 dB

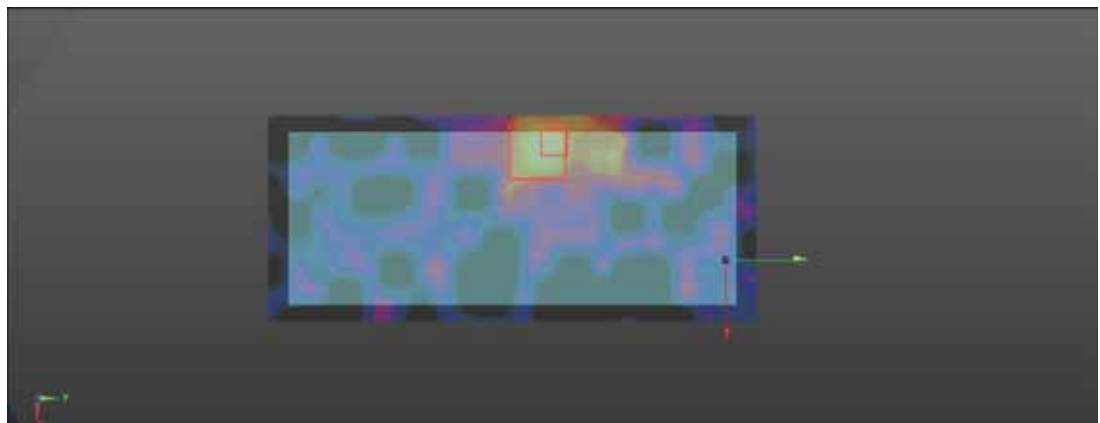
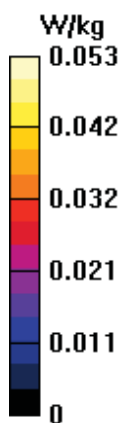
Peak SAR (extrapolated) = 0.113 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.00799 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 0.0526 W/kg



5_WLAN5G_802.11a 6Mbps_mode 1(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm Maximum value of SAR (interpolated) = 1.89 W/kg

Ch165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 13.29 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.193 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 59.1%

Maximum value of SAR (measured) = 1.95 W/kg

Ch165/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 13.29 V/m; Power Drift = -0.09 dB

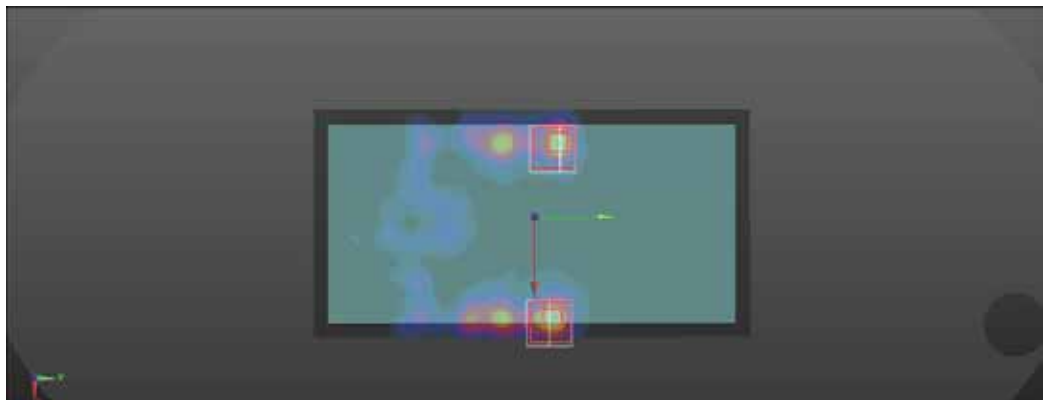
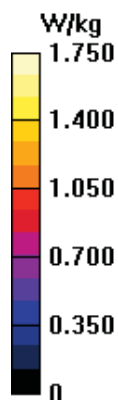
Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.176 W/kg

Smallest distance from peaks to all points 3 dB below = 7.6 mm

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

Maximum value of SAR (measured) = 1.75 W/kg



6_WLAN5G_802.11a 6Mbps_mode 2(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm Maximum value of SAR (interpolated) = 1.49 W/kg

Ch165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.15 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 0.630 W/kg; SAR(10 g) = 0.183 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 1.54 W/kg

Ch165/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.15 V/m; Power Drift = -0.06 dB

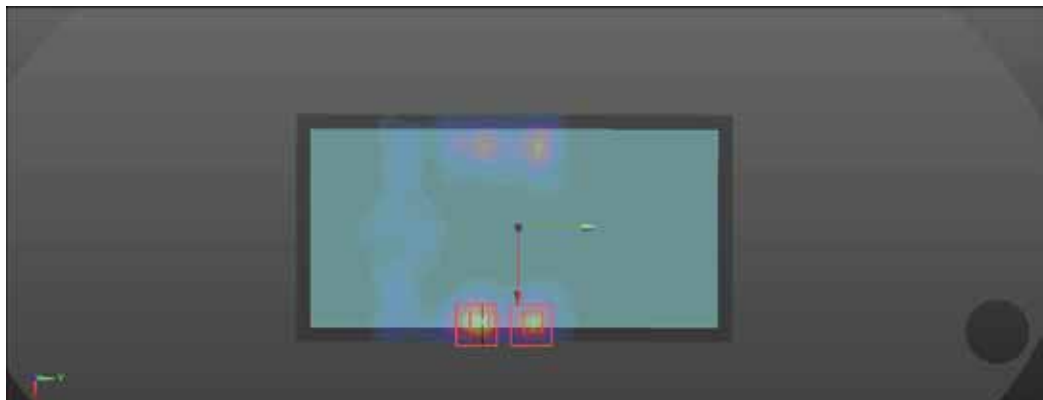
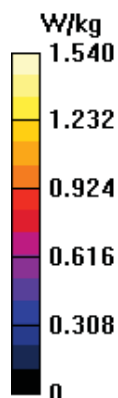
Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 0.492 W/kg; SAR(10 g) = 0.145 W/kg

Smallest distance from peaks to all points 3 dB below = 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 1.20 W/kg



Test Laboratory: BACL SAR Testing Lab

7_WLAN5G_802.11a 6Mbps_mode 3(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 10.98 V/m; Power Drift = -0.15 dB

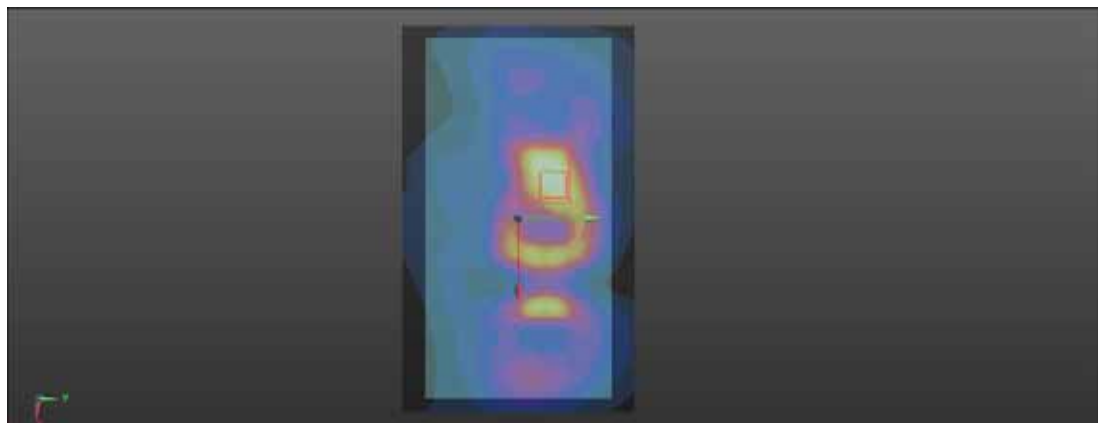
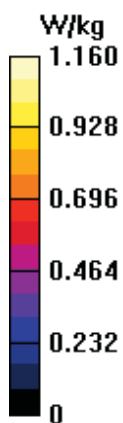
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.202 W/kg

Smallest distance from peaks to all points 3 dB below = 9.4 mm

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

Maximum value of SAR (measured) = 1.16 W/kg



Test Laboratory: BACL SAR Testing Lab

8_WLAN5G_802.11a 6Mbps_mode 4(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.682 W/kg

Ch165/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 8.739 V/m; Power Drift = -0.03 dB

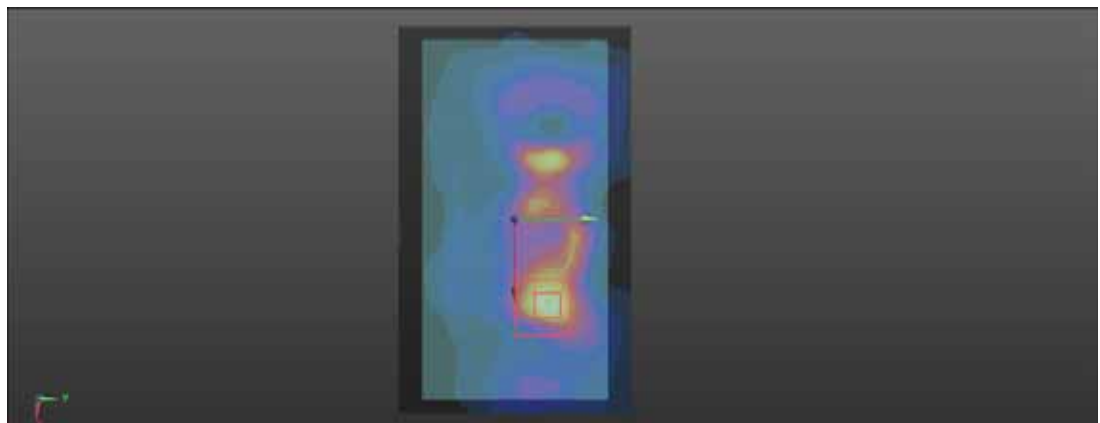
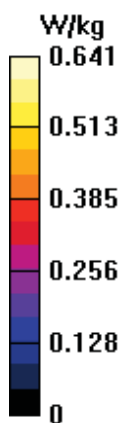
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.259 W/kg; SAR(10 g) = 0.086 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 0.641 W/kg



25_WLAN5G_802.11a 6Mbps_mode 5(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165 Ant0/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.612 W/kg

Ch165 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.776 V/m; Power Drift = -0.19 dB

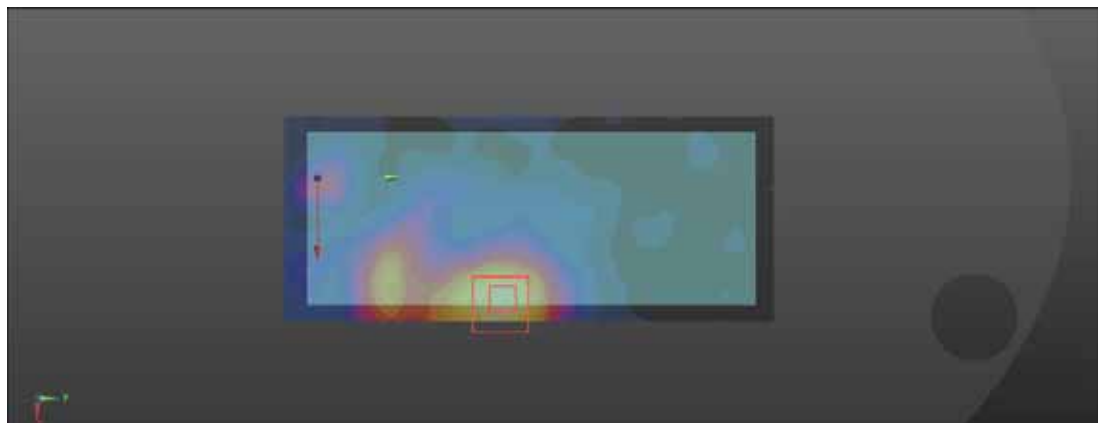
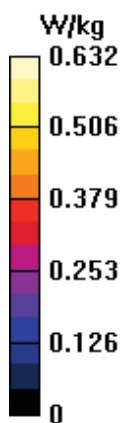
Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.121 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 59.3%

Maximum value of SAR (measured) = 0.632 W/kg



25-2_WLAN5G_802.11a 6Mbps_mode 5(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165 Ant1/Area Scan (81x191x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.583 W/kg

Ch165 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 10.17 V/m; Power Drift = -0.13 dB

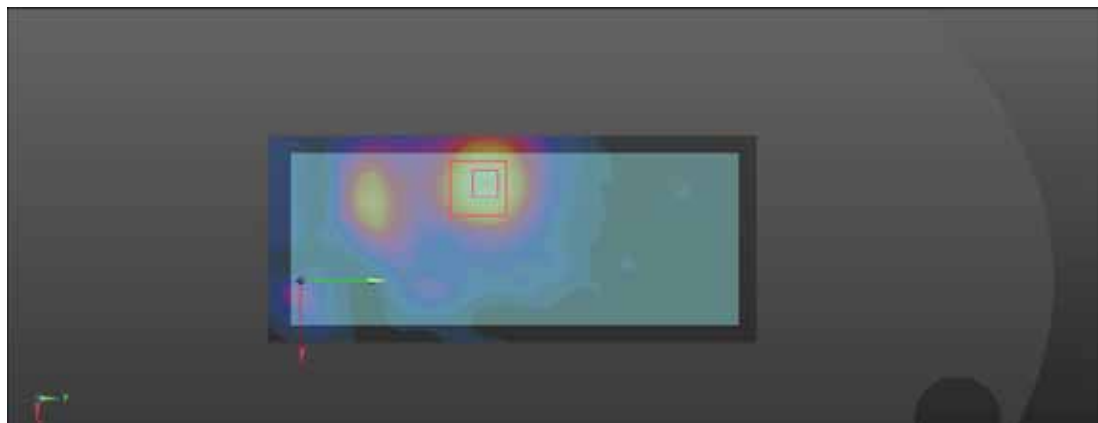
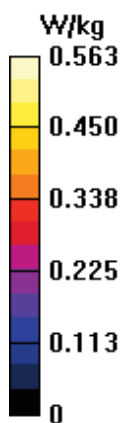
Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.103 W/kg

Smallest distance from peaks to all points 3 dB below = 18.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 0.563 W/kg



26_WLAN5G_802.11a 6Mbps_mode 6(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165 Ant0/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.608 W/kg

Ch165 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.11 V/m; Power Drift = -0.10 dB

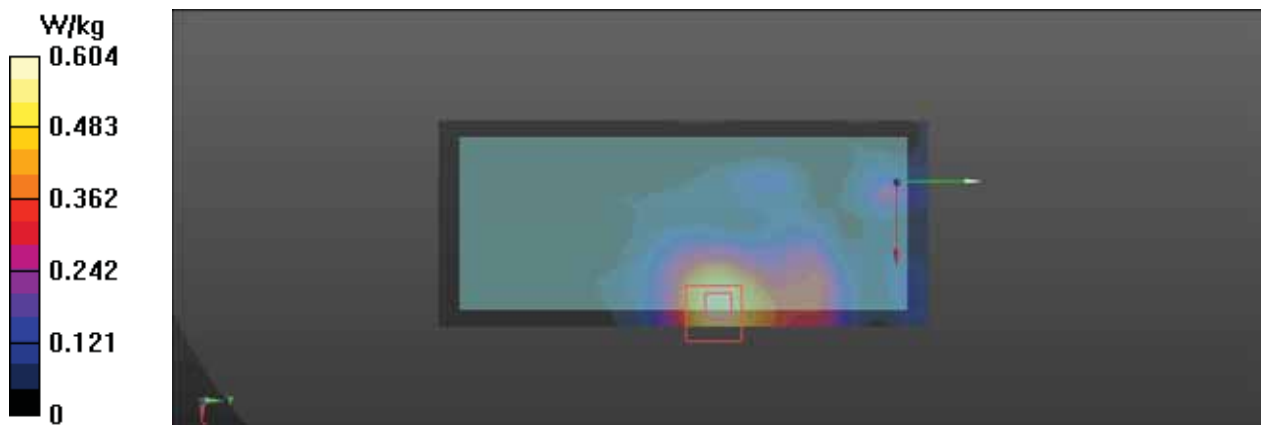
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.116 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 0.604 W/kg



26-2_WLAN5G_802.11a 6Mbps_mode 6(5mm)_Ch165

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5825$ MHz; $\sigma = 5.403$ S/m; $\epsilon_r = 34.012$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5825 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165 Ant1/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.684 W/kg

Ch165 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 11.17 V/m; Power Drift = -0.09 dB

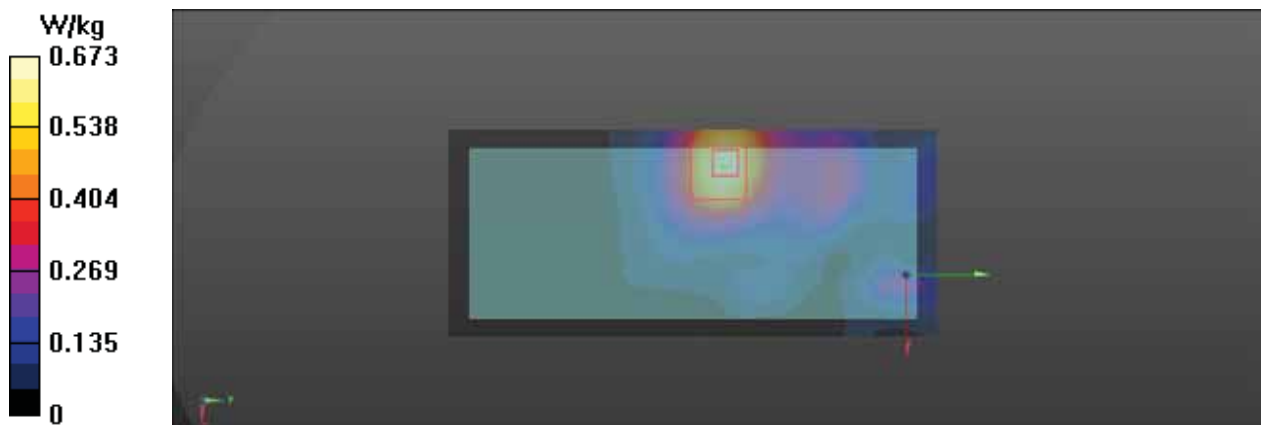
Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.127 W/kg

Smallest distance from peaks to all points 3 dB below = 16.8 mm

Ratio of SAR at M2 to SAR at M1 = 62.1%

Maximum value of SAR (measured) = 0.673 W/kg



13_WLAN5G_802.11ac_VHT80 MCS0_mode 1(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (121x231x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0593 W/kg

Ch155/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.132 V/m; Power Drift = -0.04 dB

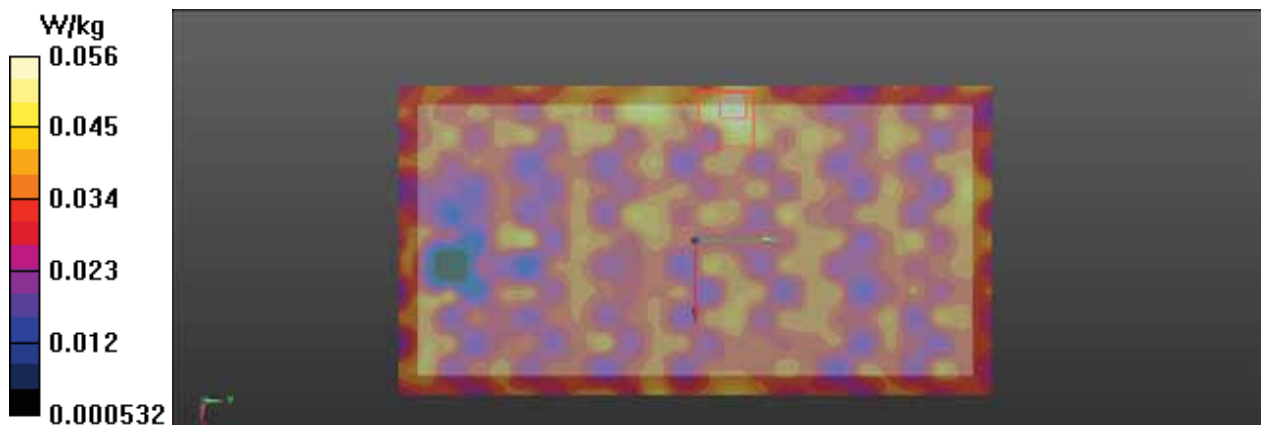
Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.014 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 74.2%

Maximum value of SAR (measured) = 0.0561 W/kg



14_WLAN5G_802.11ac_VHT80 MCS0_mode 2(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (121x231x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0481 W/kg

Ch155/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.131 V/m; Power Drift = -0.01 dB

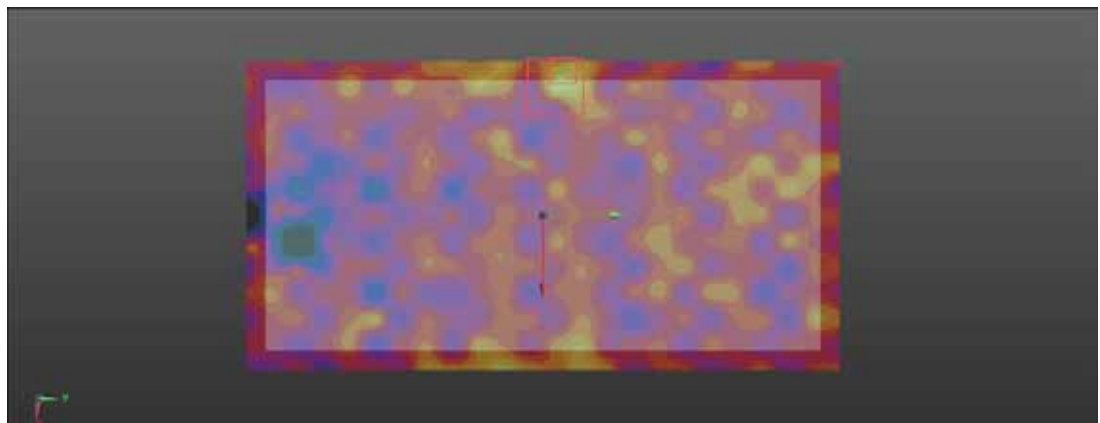
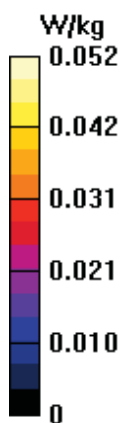
Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.011 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 86.4%

Maximum value of SAR (measured) = 0.0524 W/kg



15_WLAN5G_802.11ac_VHT80 MCS0_mode 3(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0381 W/kg

Ch155/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.329 V/m; Power Drift = -0.02 dB

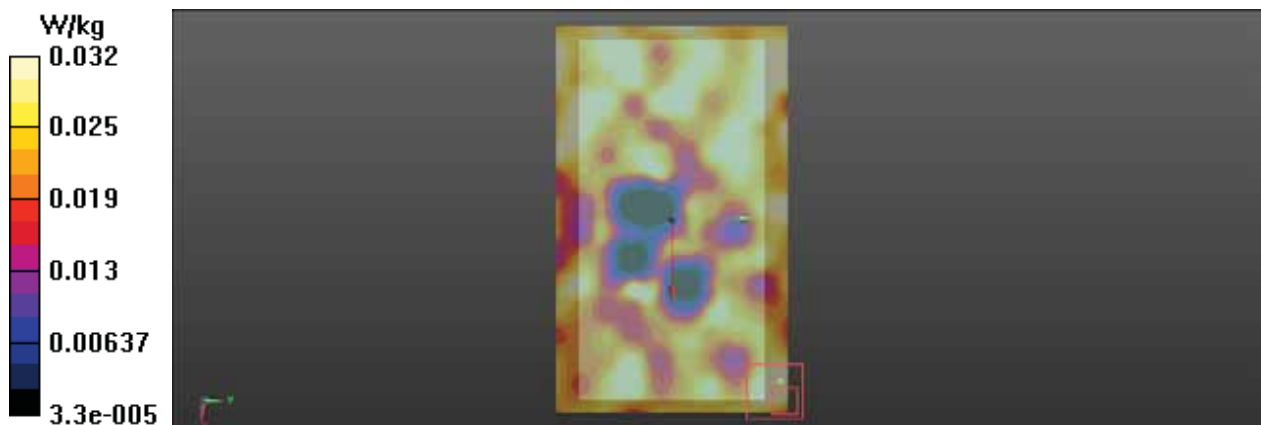
Peak SAR (extrapolated) = 0.0930 W/kg

SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00719 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 55.1%

Maximum value of SAR (measured) = 0.0317 W/kg



16_WLAN5G_802.11ac_VHT80 MCS0_mode 4(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (151x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0896 W/kg

Ch155/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.939 V/m; Power Drift = -0.07 dB

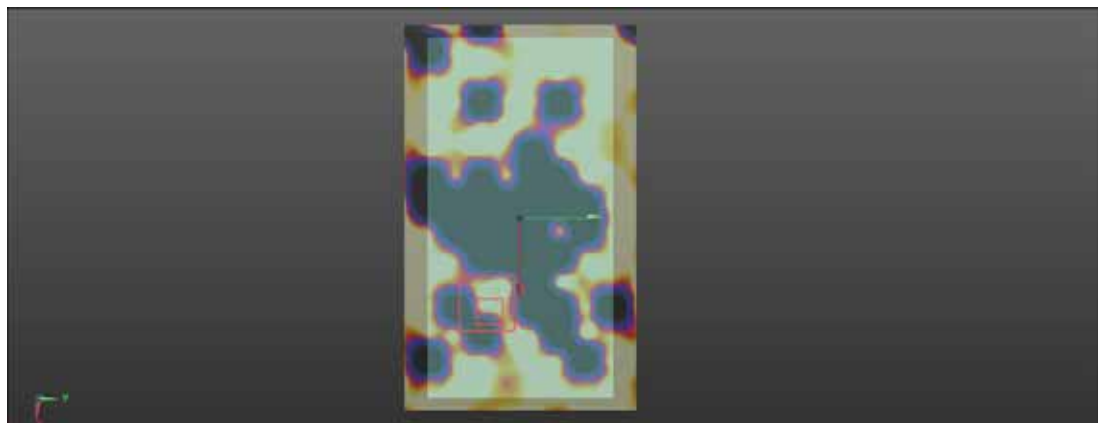
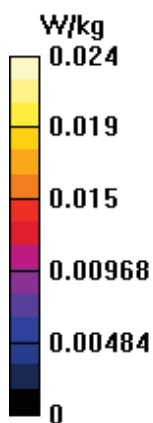
Peak SAR (extrapolated) = 0.0970 W/kg

SAR(1 g) = 0.007 W/kg; SAR(10 g) = 0.0025 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 64.6%

Maximum value of SAR (measured) = 0.0242 W/kg



29_WLAN5G_802.11ac_VHT80 MCS0_mode 5(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155 Ant0/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.445 W/kg

Ch155 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.913 V/m; Power Drift = -0.09 dB

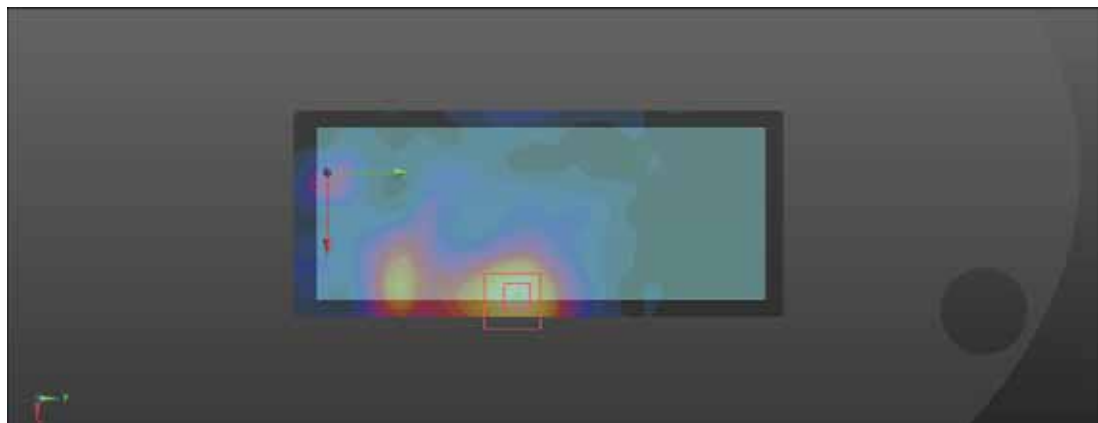
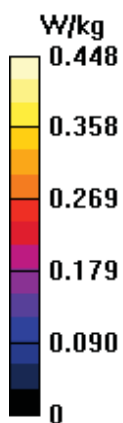
Peak SAR (extrapolated) = 0.795 W/kg

SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.082 W/kg

Smallest distance from peaks to all points 3 dB below = 19.4 mm

Ratio of SAR at M2 to SAR at M1 = 60.6%

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



Test Laboratory: BACL SAR Testing Lab

29-2_WLAN5G_802.11ac_VHT80 MCS0_mode 5(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155 Ant1/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.455 W/kg

Ch155 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.793 V/m; Power Drift = -0.04 dB

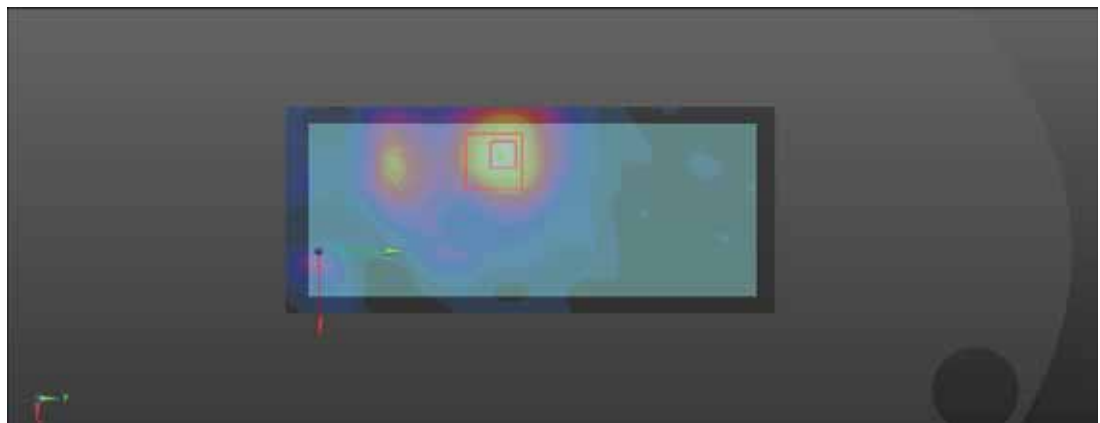
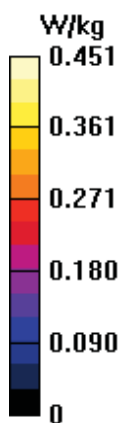
Peak SAR (extrapolated) = 0.780 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.077 W/kg

Smallest distance from peaks to all points 3 dB below = 16.5 mm

Ratio of SAR at M2 to SAR at M1 = 61.1%

Maximum value of SAR (measured) = 0.451 W/kg



30_WLAN5G_802.11ac_VHT80 MCS0_mode 6(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155 Ant0/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.606 W/kg

Ch155 Ant0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.913 V/m; Power Drift = -0.02 dB

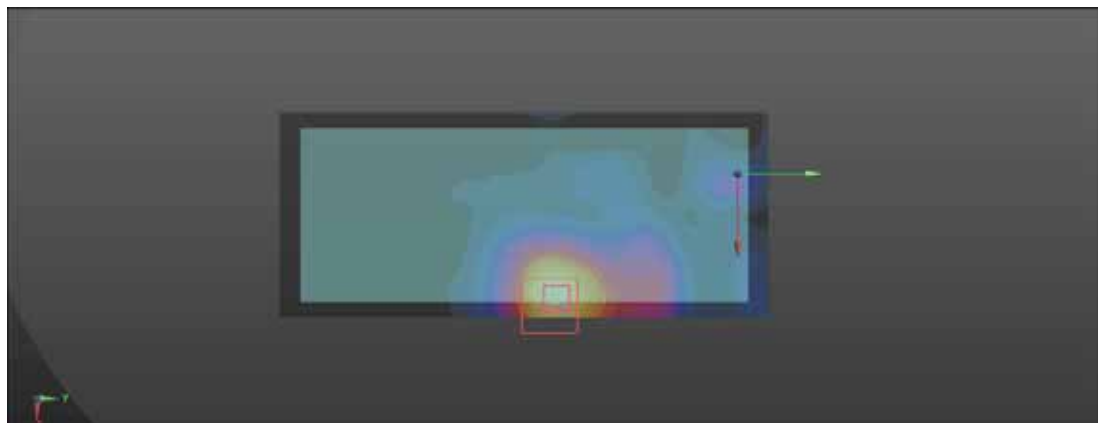
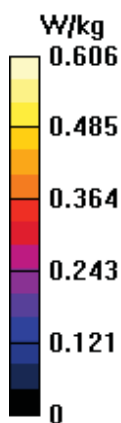
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.115 W/kg

Smallest distance from peaks to all points 3 dB below = 17.2 mm

Ratio of SAR at M2 to SAR at M1 = 62.6%

Maximum value of SAR (measured) = 0.617 W/kg



30-2_WLAN5G_802.11ac_VHT80 MCS0_mode 6(5mm)_Ch155

DUT: AWUS036ACM

Communication System: UID 0, WIFI (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5775$ MHz; $\sigma = 5.354$ S/m; $\epsilon_r = 34.349$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3887; ConvF(4.39, 4.39, 4.39) @ 5775 MHz; Calibrated: 10/22/2021
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn393; Calibrated: 4/9/2021
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155 Ant1/Area Scan (81x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.486 W/kg

Ch155 Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.427 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.826 W/kg

SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.089 W/kg

Smallest distance from peaks to all points 3 dB below = 19.5 mm

Ratio of SAR at M2 to SAR at M1 = 61.7%

Maximum value of SAR (measured) = 0.476 W/kg

