

1_802.11b_Ch6_1Mbps_Horizontal Up_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.735$ S/m; $\epsilon_r = 41.479$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.375 W/kg

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

Reference Value = 13.72 V/m; Power Drift = -0.04 dB

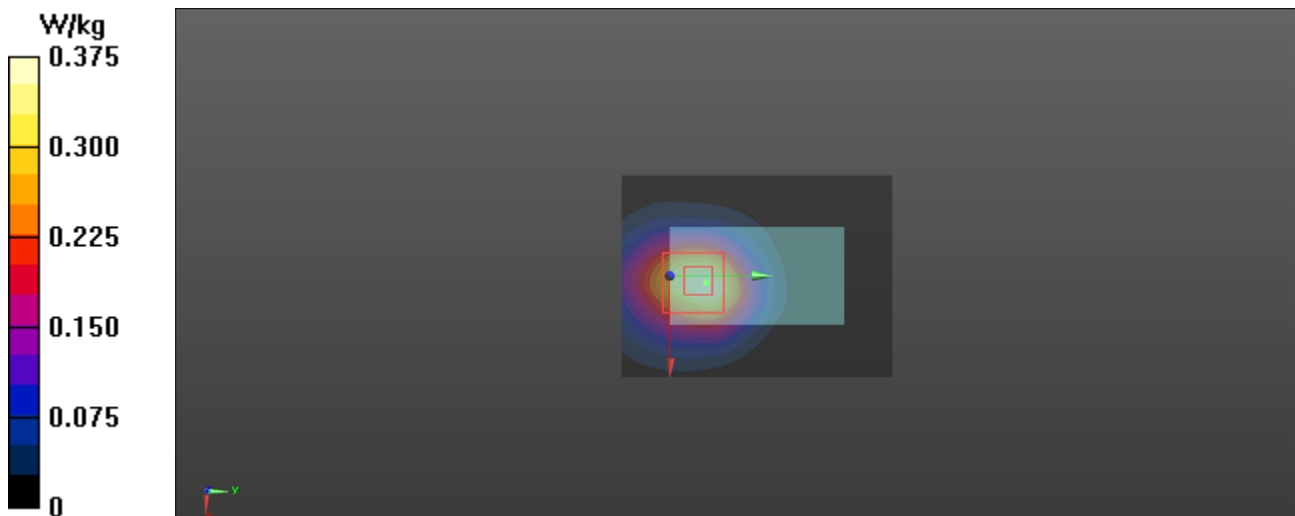
Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.129 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 54%

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



1-1_802.11b_Ch1_1Mbps_Horizontal Up_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.707$ S/m; $\epsilon_r = 41.518$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2412 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.453 W/kg

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

Reference Value = 14.60 V/m; Power Drift = -0.04 dB

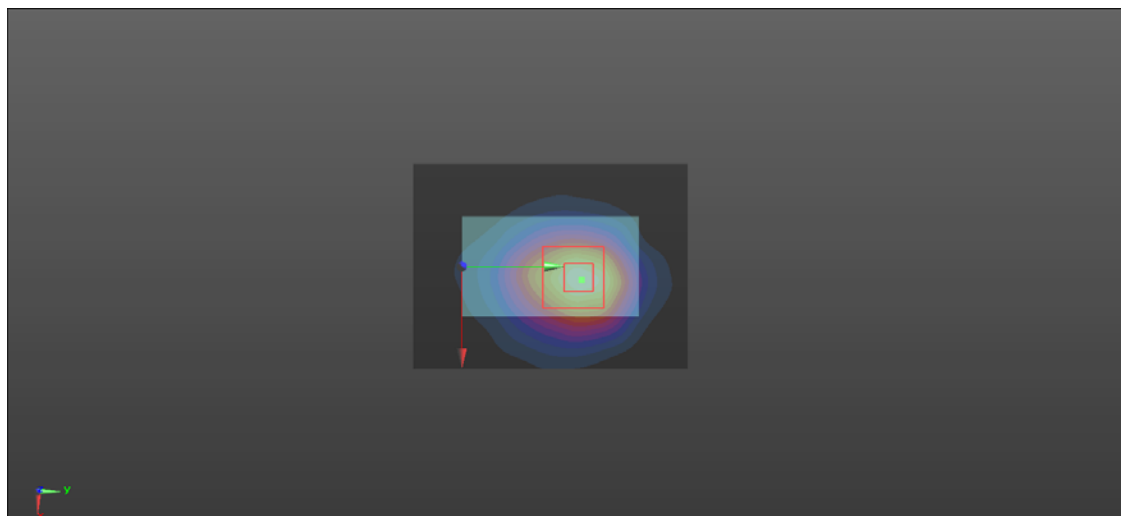
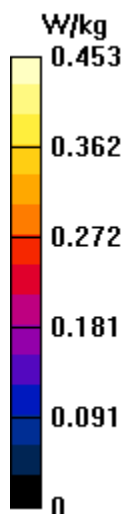
Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.286 W/kg; SAR(10 g) = 0.157 W/kg

Smallest distance from peaks to all points 3 dB below = 13.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.8%

Maximum value of SAR (measured) = 0.425 W/kg



1-2_802.11b_Ch11_1Mbps_Horizontal Up_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.749$ S/m; $\epsilon_r = 41.481$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2462 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch11/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.393 W/kg

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

Reference Value = 13.52 V/m; Power Drift = -0.14 dB

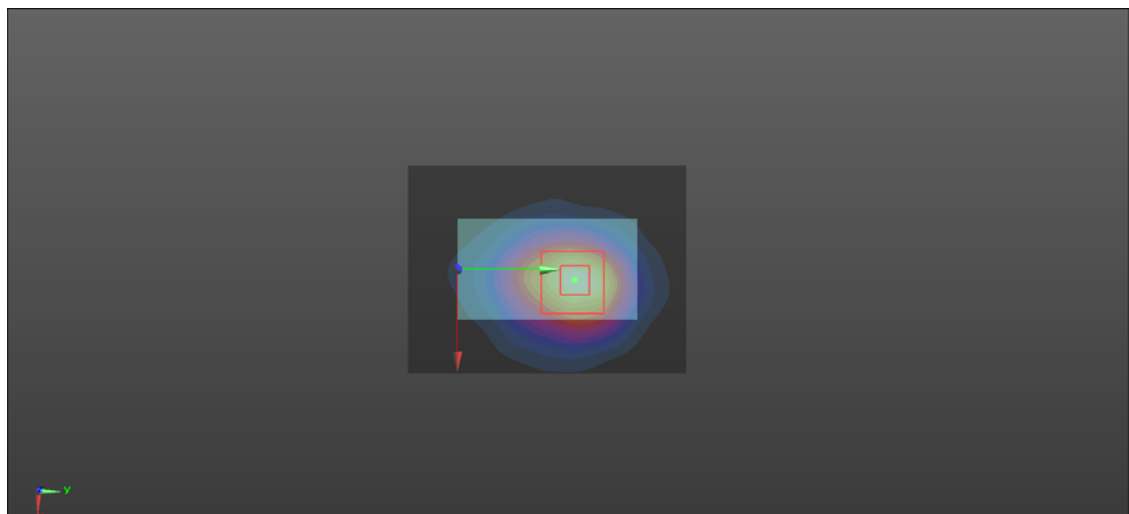
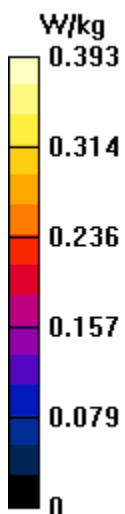
Peak SAR (extrapolated) = 0.443 W/kg

SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.133 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 0.372 W/kg



2_802.11b_Ch6_1Mbps_Horizontal Down_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.735$ S/m; $\epsilon_r = 41.479$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.0789 W/kg

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

Reference Value = 6.255 V/m; Power Drift = -0.19 dB

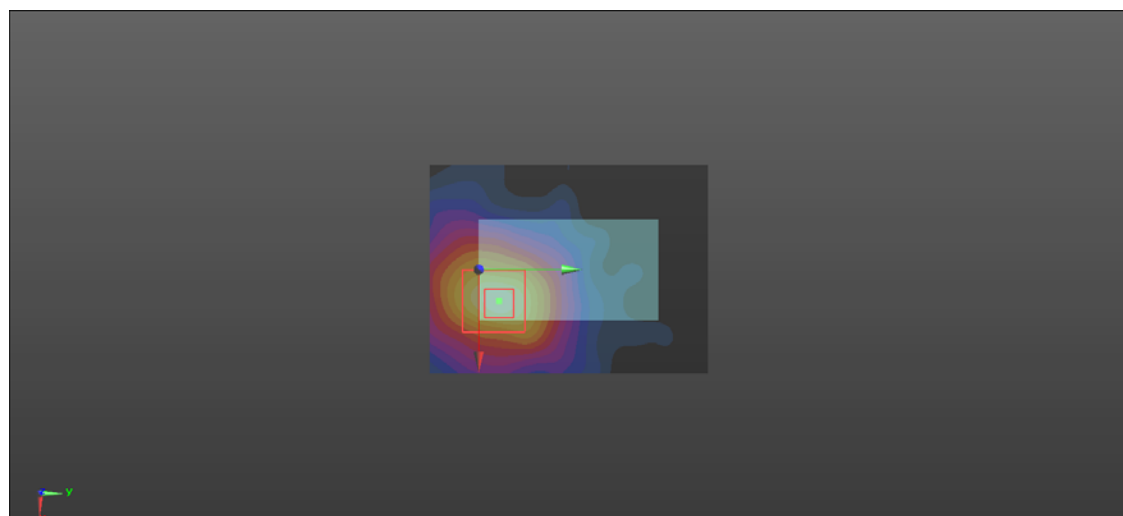
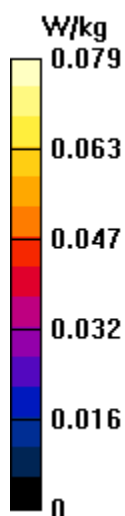
Peak SAR (extrapolated) = 0.0970 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.026 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 = 50.4%

Maximum value of SAR (measured) = 0.0766 W/kg



3_802.11b_Ch6_1Mbps_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.735$ S/m; $\epsilon_r = 41.479$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.127 W/kg

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

Reference Value = 8.626 V/m; Power Drift = -0.13 dB

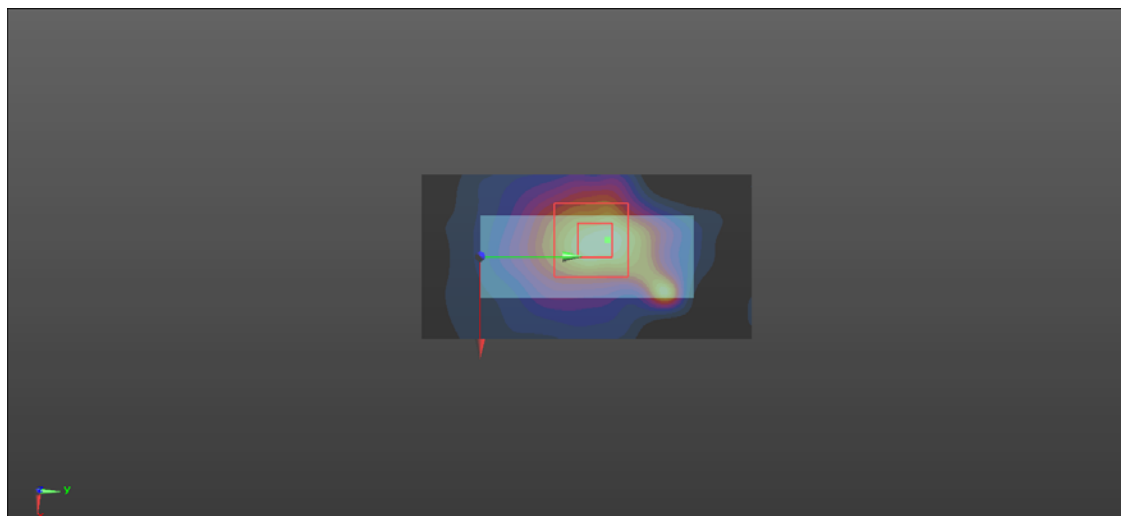
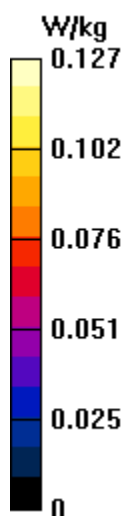
Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.041 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

Ratio of SAR at M2 to SAR at M1 = 50%

Maximum value of SAR (measured) = 0.128 W/kg



4_802.11b_Ch6_1Mbps_Veritical Back_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.735$ S/m; $\epsilon_r = 41.479$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (41x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.174 W/kg

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

Reference Value = 7.622 V/m; Power Drift = -0.14 dB

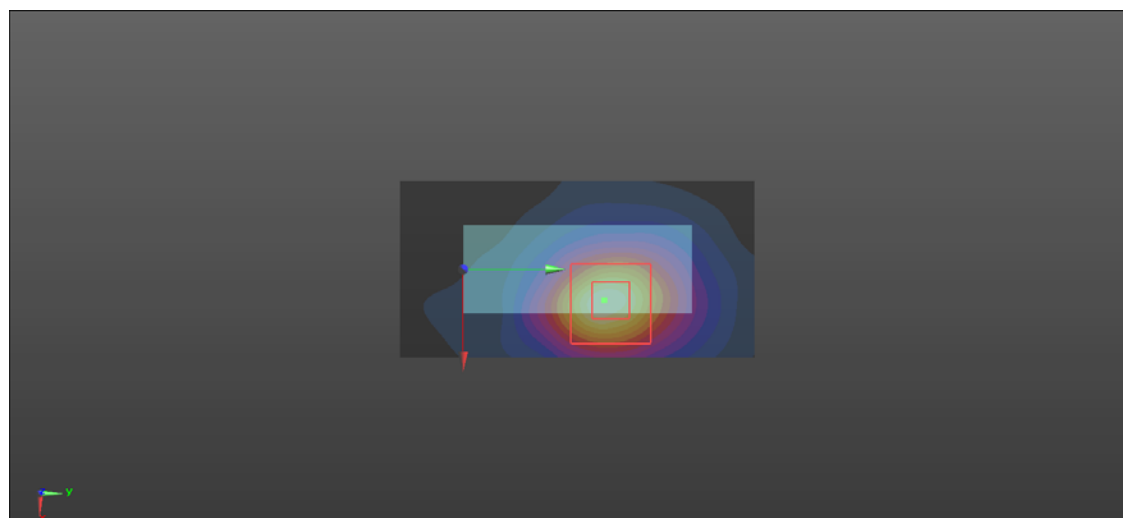
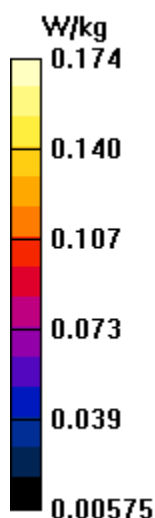
Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.058 W/kg

Smallest distance from peaks to all points 3 dB below = 12.6 mm

Ratio of SAR at M2 to SAR at M1 = 51.5%

Maximum value of SAR (measured) = 0.172 W/kg



5_802.11b_Ch6_1Mbps_Tip_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.735$ S/m; $\epsilon_r = 41.479$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (61x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.0802 W/kg

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

Reference Value = 6.606 V/m; Power Drift = 0.04 dB

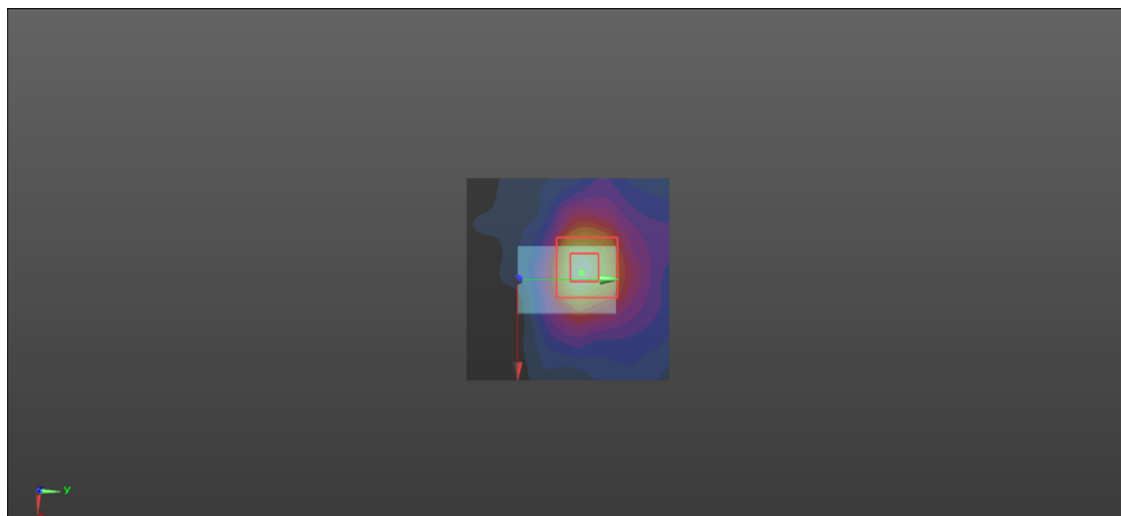
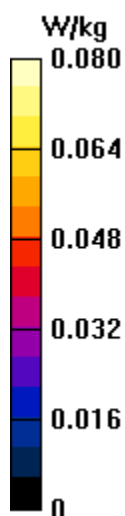
Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.025 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 = 50.7%

Maximum value of SAR (measured) = 0.0808 W/kg



11_802.11ac20_Ch40_Horizontal Up_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-1 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 37.055$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.40 W/kg

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

Reference Value = 13.28 V/m; Power Drift = -0.20 dB

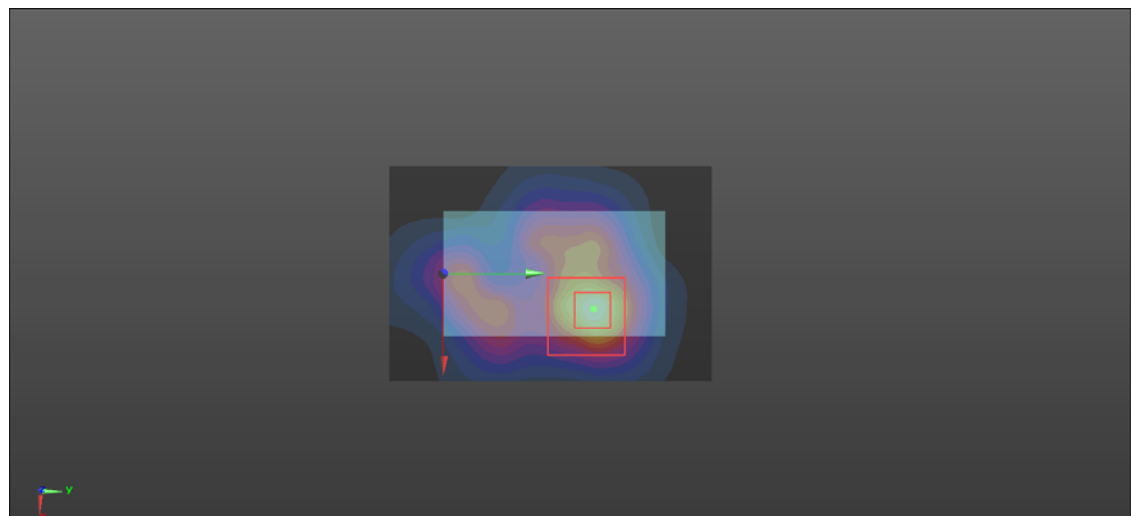
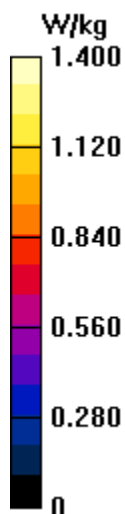
Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.227 W/kg

Smallest distance from peaks to all points 3 dB below = 11.5 mm

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

Maximum value of SAR (measured) = 1.38 W/kg



12_802.11ac20_Ch40_Horizontal Down_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-1 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 37.055$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.168 W/kg

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

Reference Value = 5.842 V/m; Power Drift = -0.17 dB

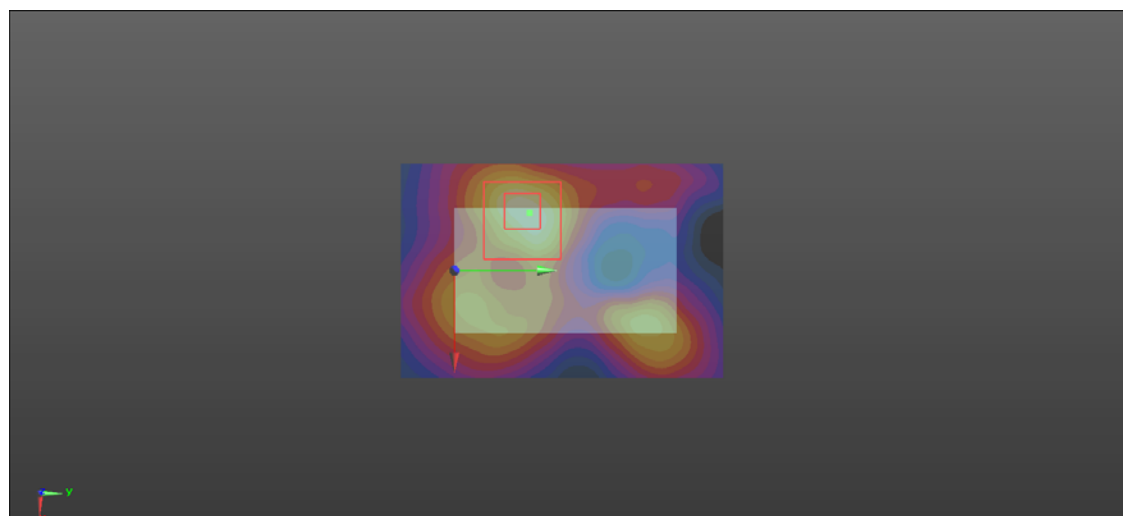
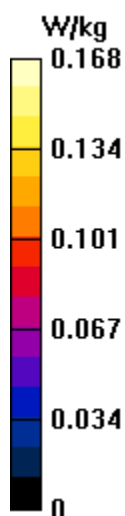
Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.022 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 = 52.4%

Maximum value of SAR (measured) = 0.160 W/kg



13_802.11ac20_Ch40_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-1 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 37.055$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.55 W/kg

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

Reference Value = 20.00 V/m; Power Drift = -0.05 dB

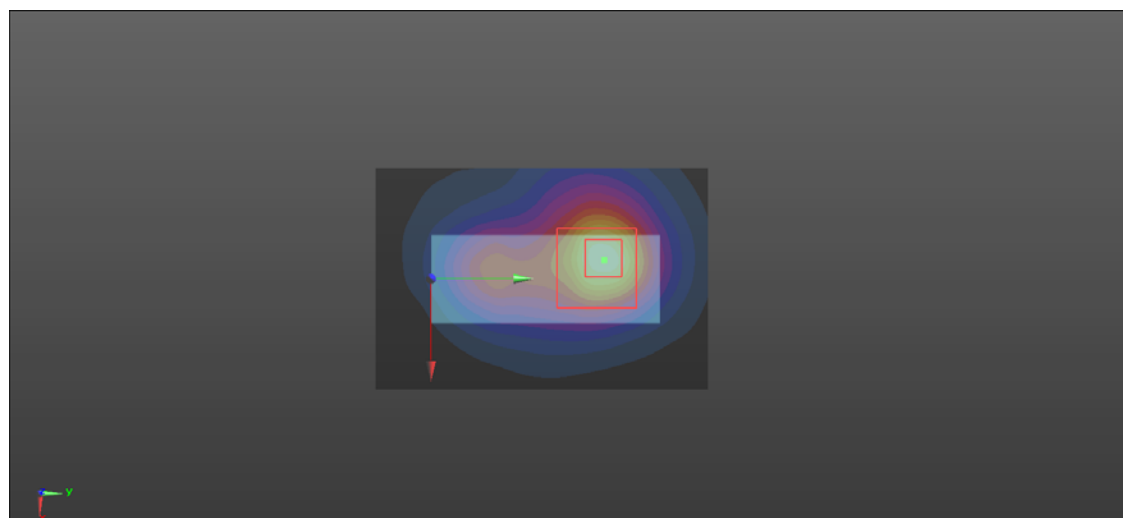
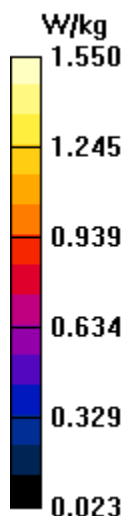
Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 0.728 W/kg; SAR(10 g) = 0.277 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 63.6%

Maximum value of SAR (measured) = 1.55 W/kg



14_802.11ac20_Ch40_Veritical Back_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-1 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 37.055$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.754 W/kg

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

Reference Value = 11.88 V/m; Power Drift = -0.20 dB

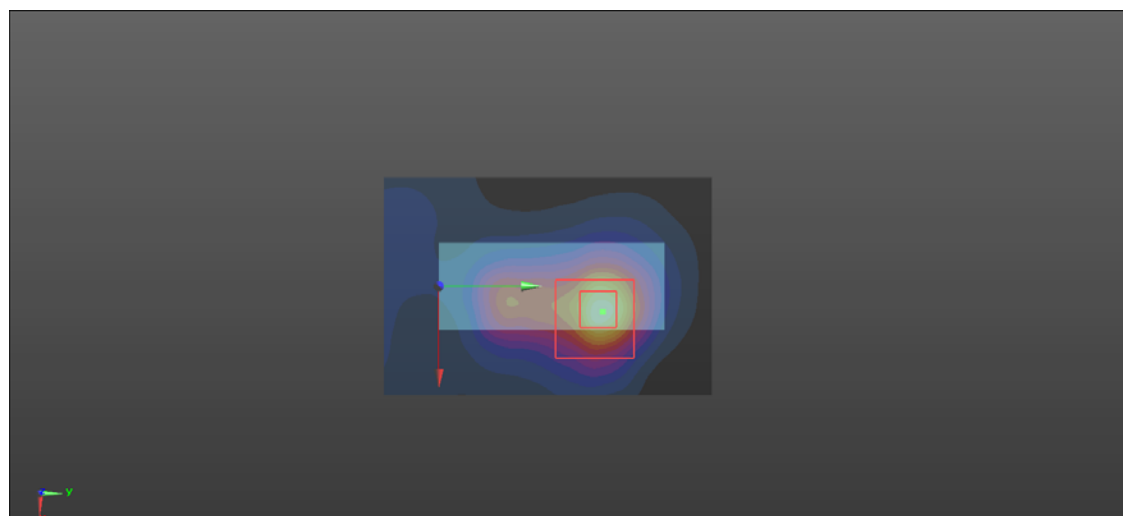
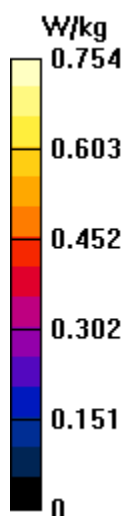
Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.109 W/kg

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

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

Maximum value of SAR (measured) = 0.728 W/kg



15_802.11ac20_Ch40_Tip_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-1 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.61$ S/m; $\epsilon_r = 37.055$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.361 W/kg

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

Reference Value = 9.223 V/m; Power Drift = -0.07 dB

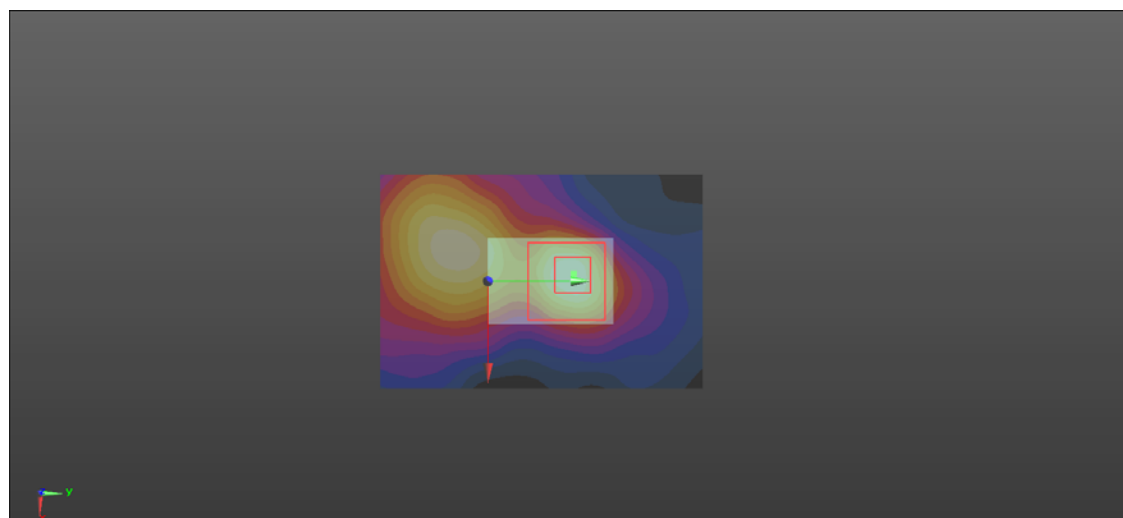
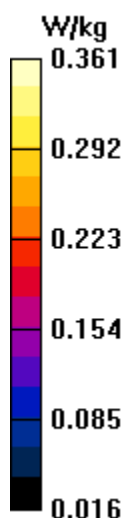
Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.063 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 60.7%

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



16_802.11ac20_Ch36_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.575$ S/m; $\epsilon_r = 37.094$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5180 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch36/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.55 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.17 V/m; Power Drift = -0.13 dB

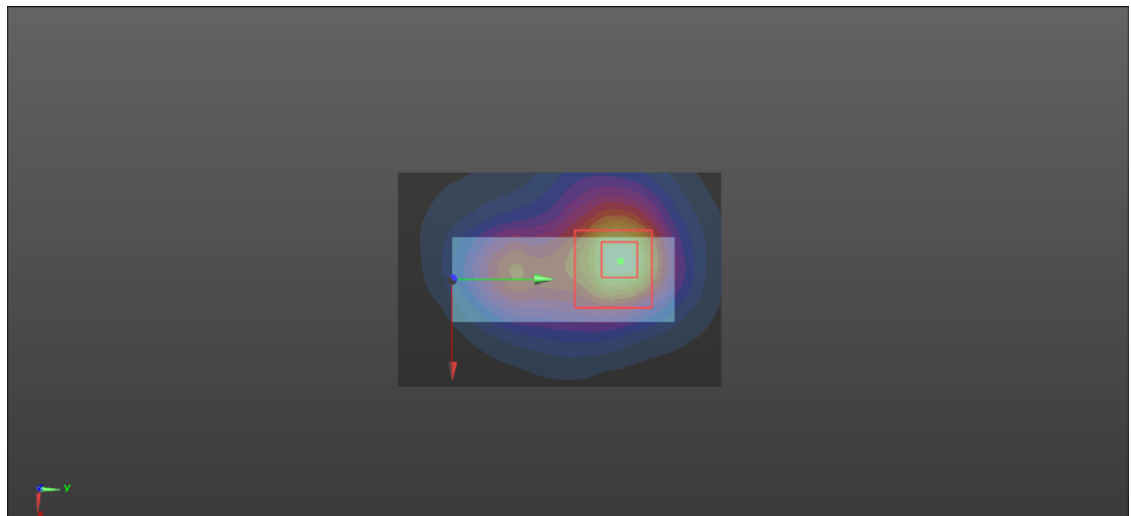
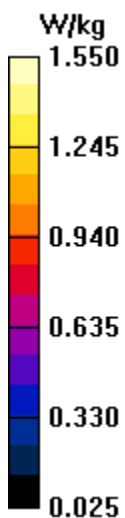
Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.274 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 1.51 W/kg



16-1_802.11ac20_Ch36_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.575$ S/m; $\epsilon_r = 37.094$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5180 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch36/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.40 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 19.03 V/m; Power Drift = -0.17 dB

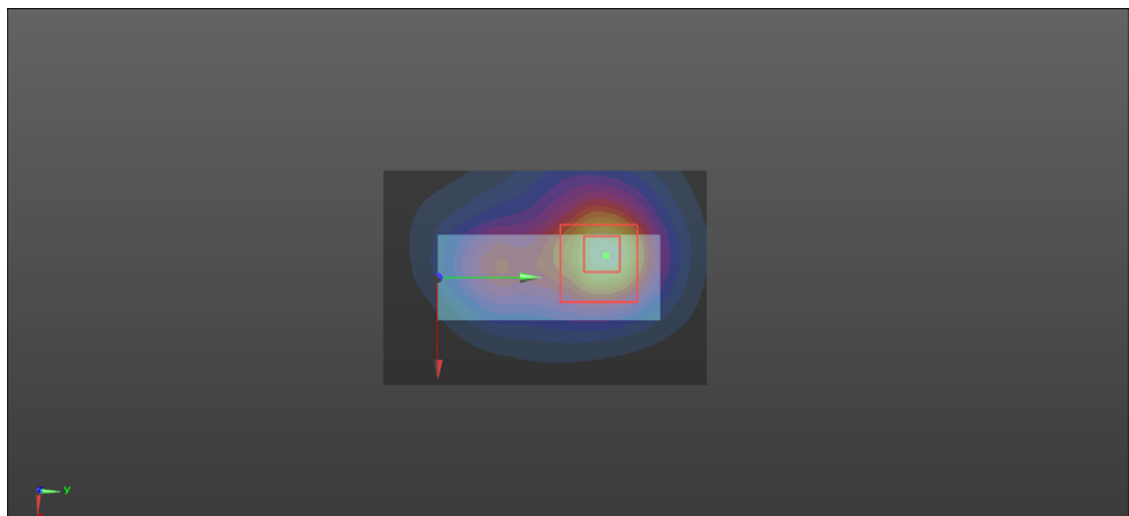
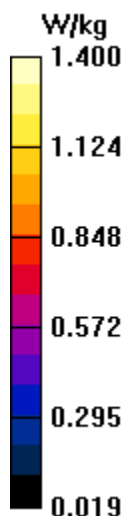
Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.665 W/kg; SAR(10 g) = 0.252 W/kg

Smallest distance from peaks to all points 3 dB below = 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 63.6%

Maximum value of SAR (measured) = 1.41 W/kg



17_802.11ac20_Ch48_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.667$ S/m; $\epsilon_r = 36.954$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.89 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 21.69 V/m; Power Drift = -0.04 dB

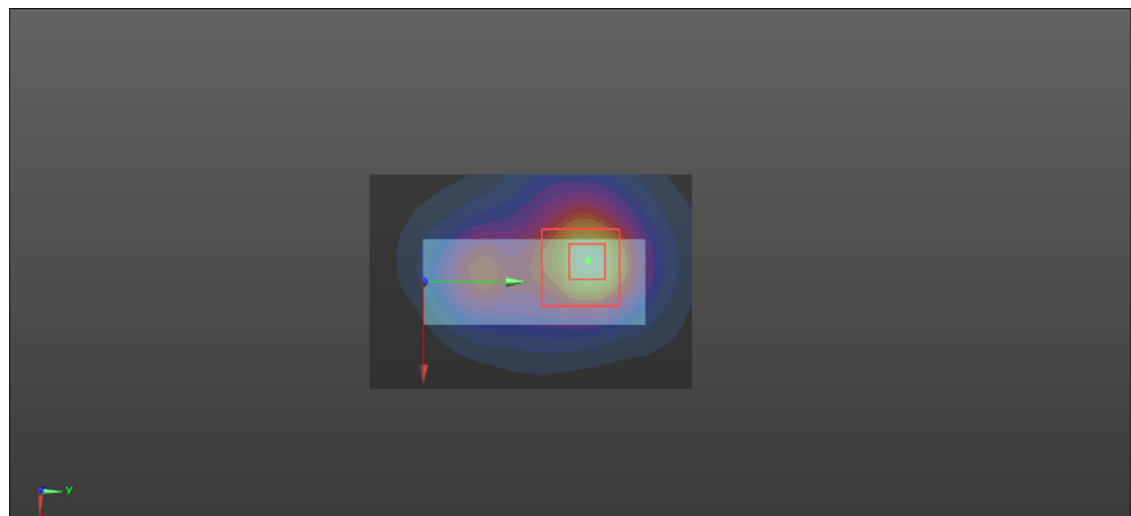
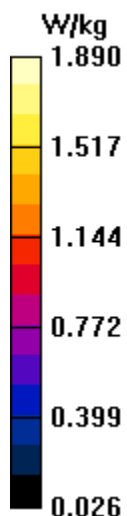
Peak SAR (extrapolated) = 3.25 W/kg

SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.339 W/kg

Smallest distance from peaks to all points 3 dB below = 12.6 mm

Ratio of SAR at M2 to SAR at M1 = 63.7%

Maximum value of SAR (measured) = 1.89 W/kg



17-1_802.11ac20_Ch48_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.667$ S/m; $\epsilon_r = 36.954$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.75 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.90 V/m; Power Drift = -0.08 dB

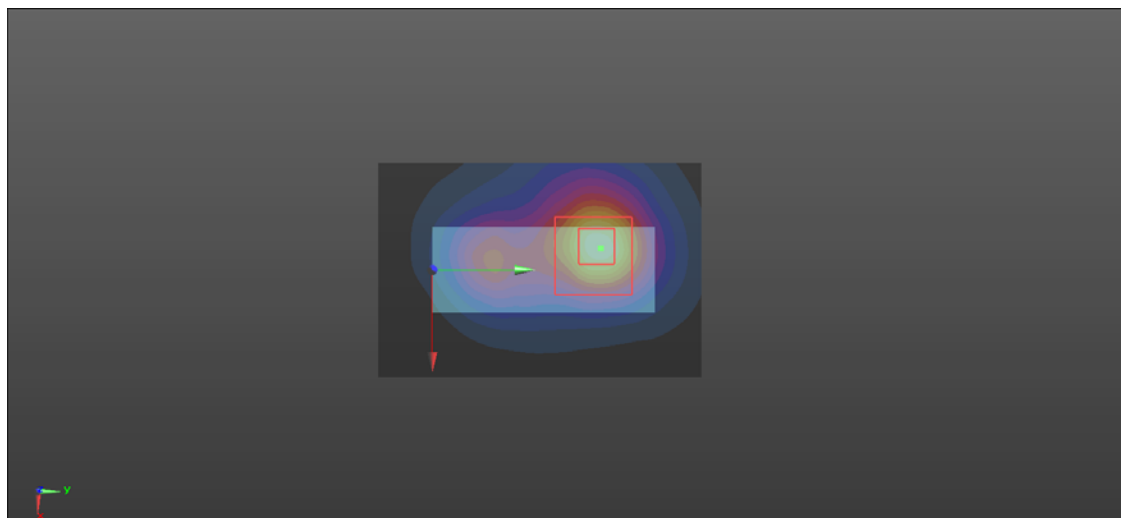
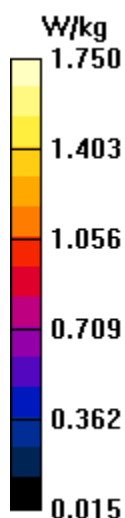
Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.302 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 63%

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



21_802.11ac20_Ch157_Horizontal Up_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.371$ S/m; $\epsilon_r = 35.903$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.531 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 10.38 V/m; Power Drift = -0.06 dB

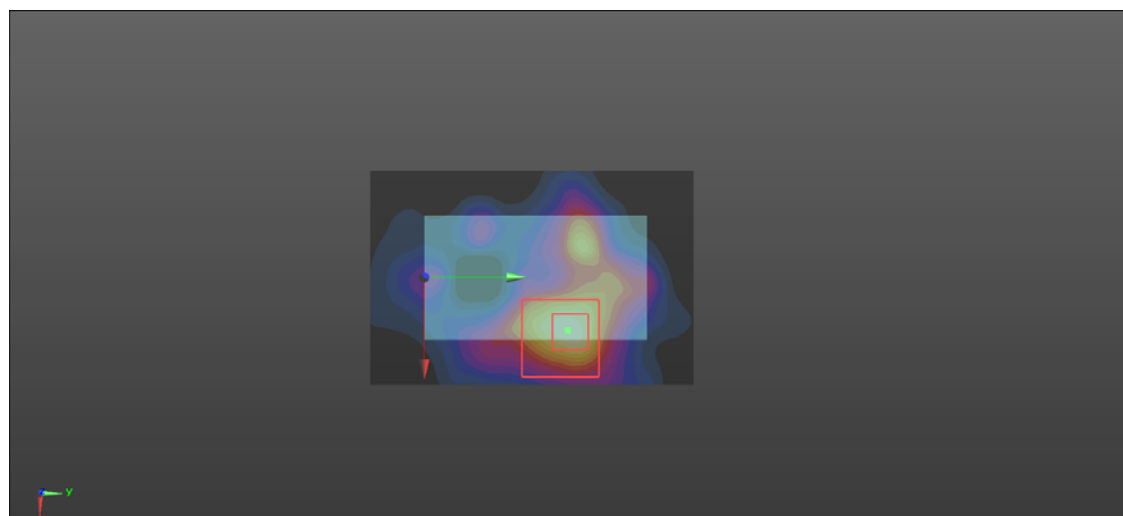
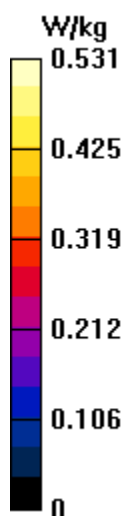
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.073 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 57%

Maximum value of SAR (measured) = 0.538 W/kg



22_802.11ac20_Ch157_Horizontal Down_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.371$ S/m; $\epsilon_r = 35.903$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.219 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.633 V/m; Power Drift = -0.02 dB

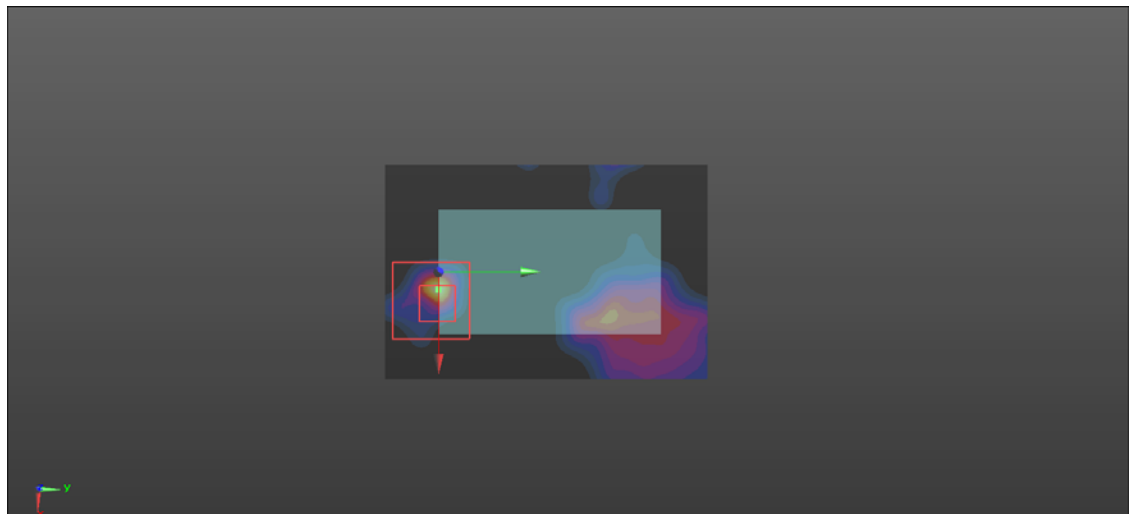
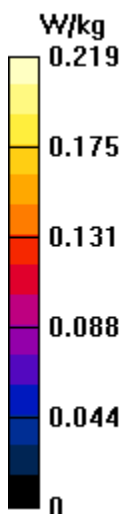
Peak SAR (extrapolated) = 0.366 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00566 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 = 30.6%

Maximum value of SAR (measured) = 0.0612 W/kg



23_802.11ac20_Ch157_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.371$ S/m; $\epsilon_r = 35.903$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.64 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.76 V/m; Power Drift = -0.07 dB

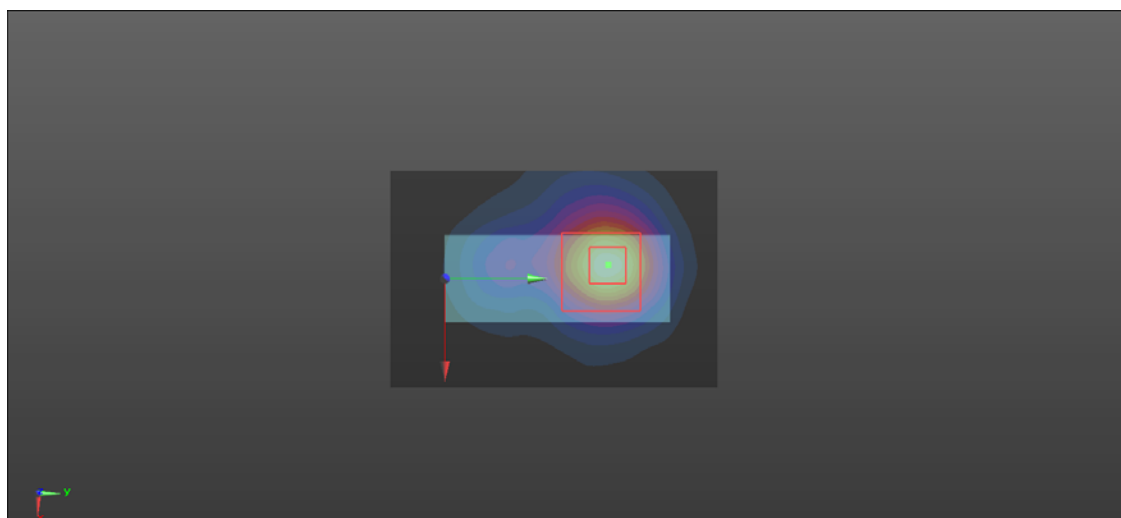
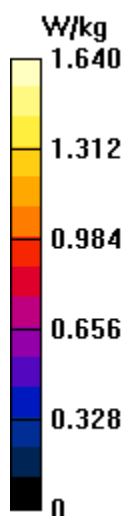
Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.248 W/kg

Smallest distance from peaks to all points 3 dB below = 11.9 mm

Ratio of SAR at M2 to SAR at M1 = 60.7%

Maximum value of SAR (measured) = 1.59 W/kg



24_802.11ac20_Ch157_Veritical Back_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.371$ S/m; $\epsilon_r = 35.903$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.489 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.201 V/m; Power Drift = -0.17 dB

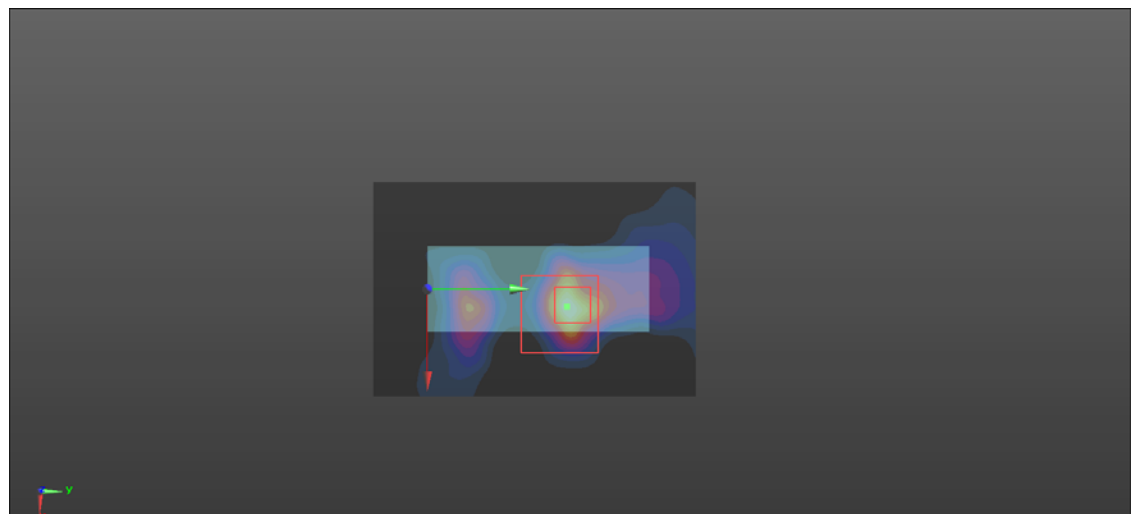
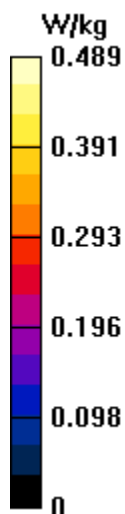
Peak SAR (extrapolated) = 0.612 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.033 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 58.6%

Maximum value of SAR (measured) = 0.373 W/kg



25_802.11ac20_Ch157_Tip_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.371$ S/m; $\epsilon_r = 35.903$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x71x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.468 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 9.583 V/m; Power Drift = -0.18 dB

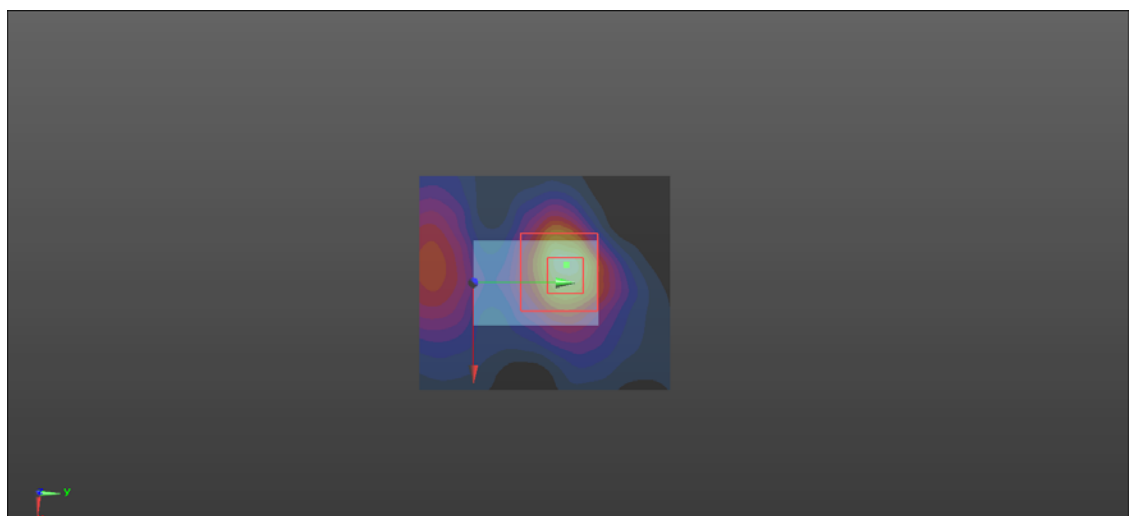
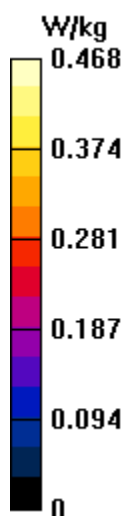
Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.061 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

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



26_802.11ac20_Ch149_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.312$ S/m; $\epsilon_r = 35.931$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.96 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.64 V/m; Power Drift = -0.09 dB

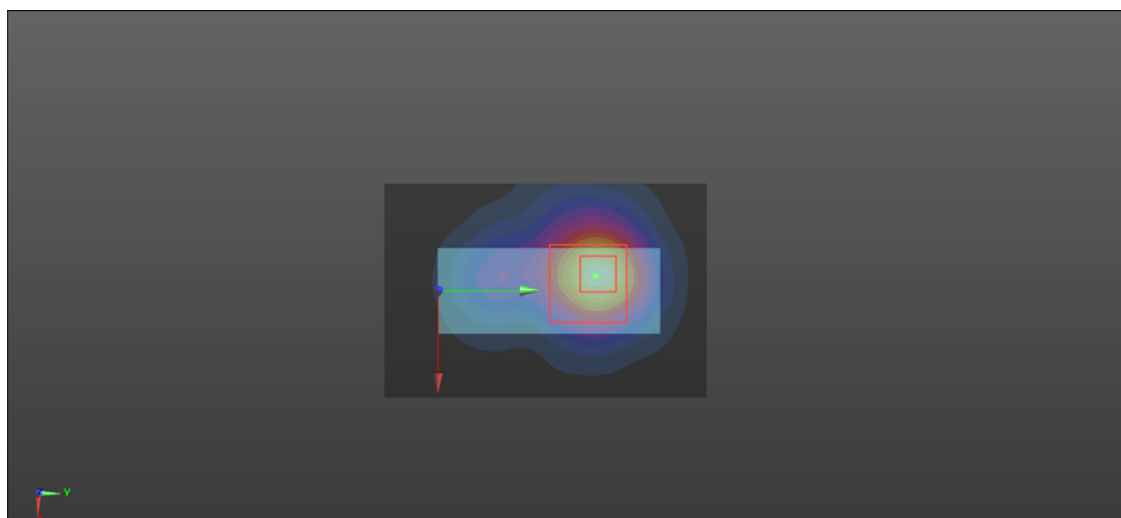
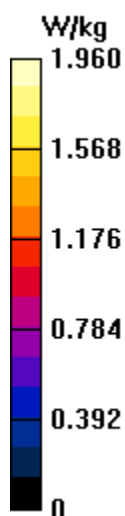
Peak SAR (extrapolated) = 3.37 W/kg

SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.303 W/kg

Smallest distance from peaks to all points 3 dB below = 12 mm

Ratio of SAR at M2 to SAR at M1 = 62%

Maximum value of SAR (measured) = 1.90 W/kg



26-1_802.11ac20_Ch149_Vertical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-1 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.312$ S/m; $\epsilon_r = 35.931$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.78 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.56 V/m; Power Drift = -0.13 dB

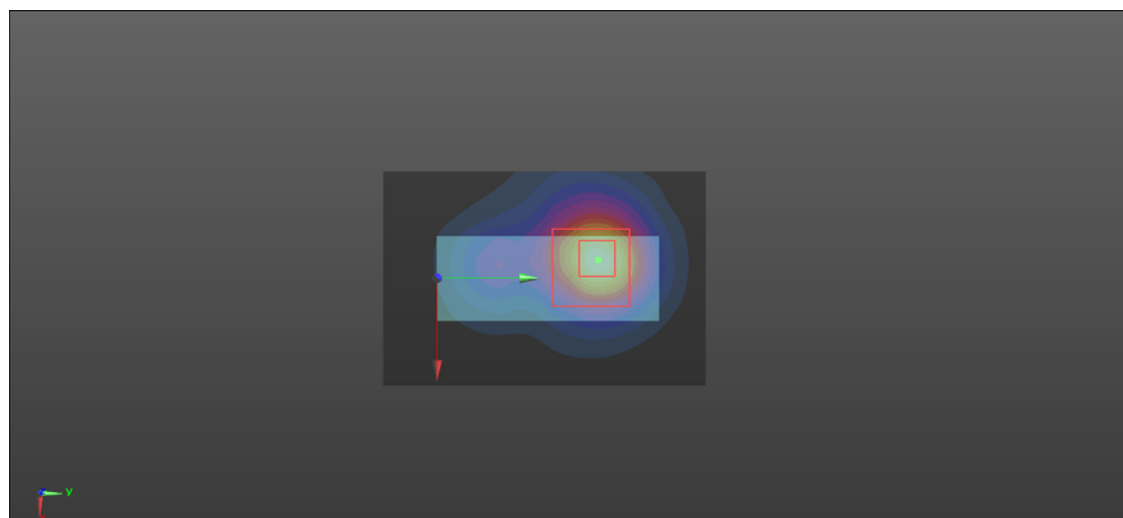
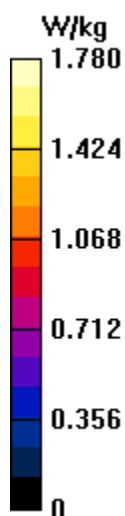
Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 0.757 W/kg; SAR(10 g) = 0.268 W/kg

Smallest distance from peaks to all points 3 dB below = 11.9 mm

Ratio of SAR at M2 to SAR at M1 = 59.8%

Maximum value of SAR (measured) = 1.72 W/kg



27_802.11ac20_Ch165_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-1 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.426$ S/m; $\epsilon_r = 35.79$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5825 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.52 W/kg

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

Reference Value = 17.68 V/m; Power Drift = -0.03 dB

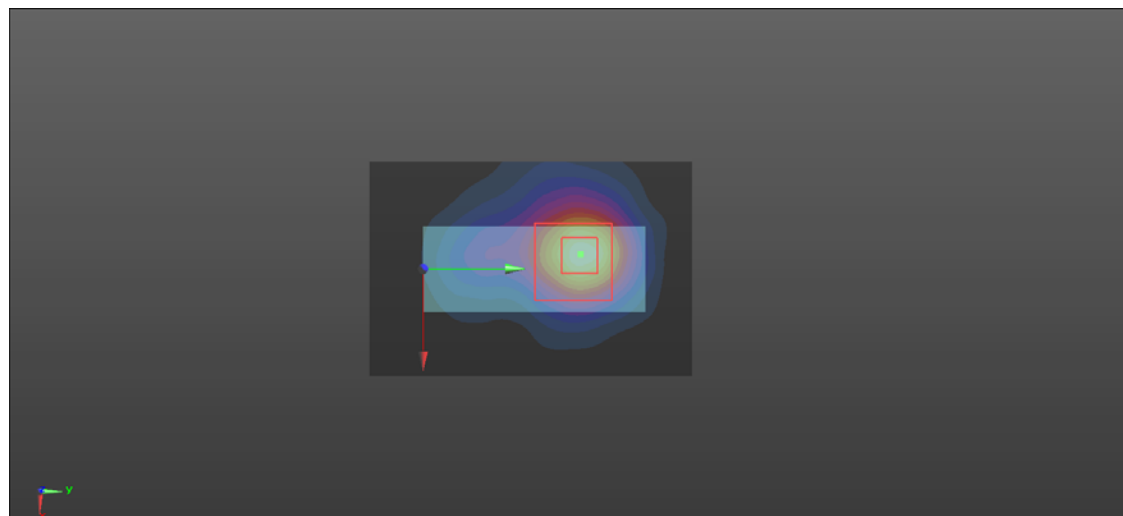
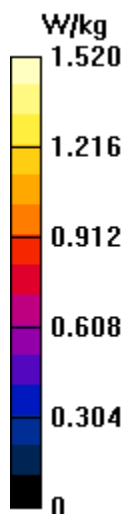
Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.229 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

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

Maximum value of SAR (measured) = 1.52 W/kg



31_802.11a_Ch40_Horizontal Up_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.738$ S/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.40 W/kg

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

Reference Value = 13.09 V/m; Power Drift = 0.19 dB

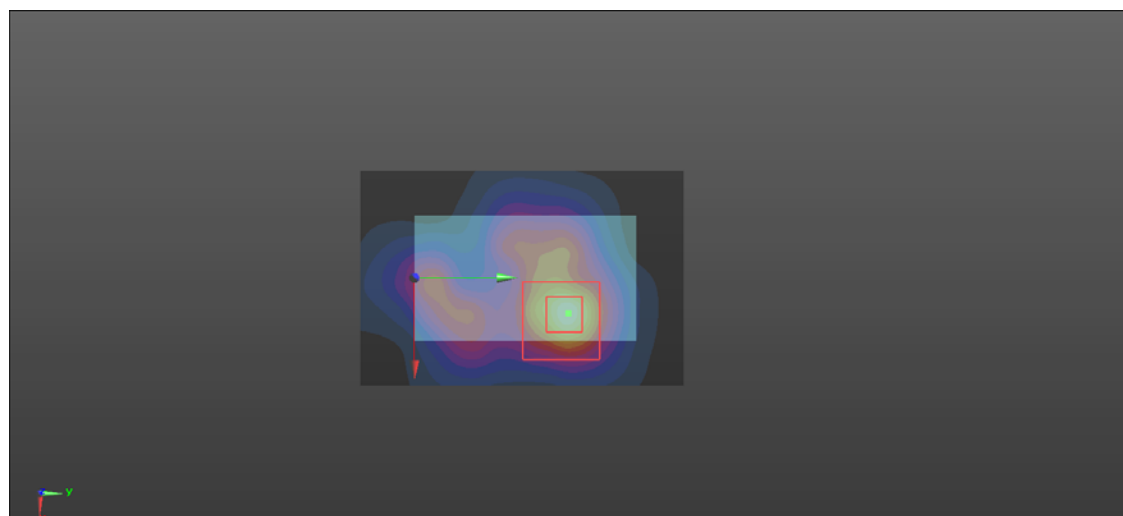
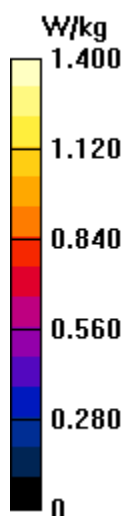
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.221 W/kg

Smallest distance from peaks to all points 3 dB below = 10.9 mm

Ratio of SAR at M2 to SAR at M1 = 62.7%

Maximum value of SAR (measured) = 1.30 W/kg



32_802.11a_Ch40_Horizontal Down_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.738$ S/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.172 W/kg

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

Reference Value = 5.767 V/m; Power Drift = -0.00 dB

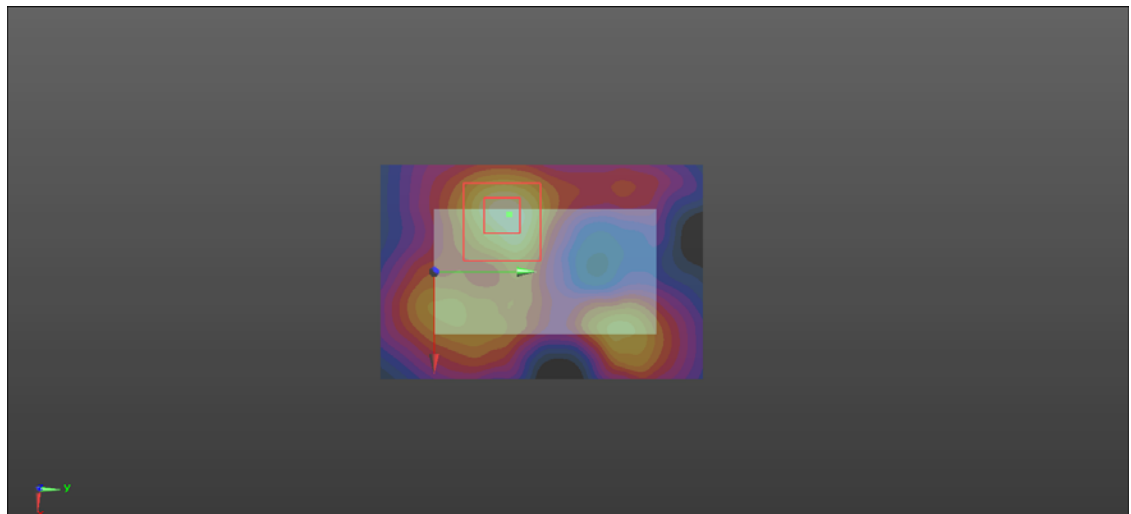
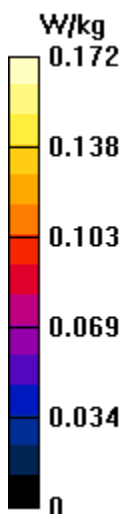
Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.021 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 = 56%

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



33_802.11a_Ch40_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.738$ S/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.52 W/kg

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

Reference Value = 19.27 V/m; Power Drift = 0.02 dB

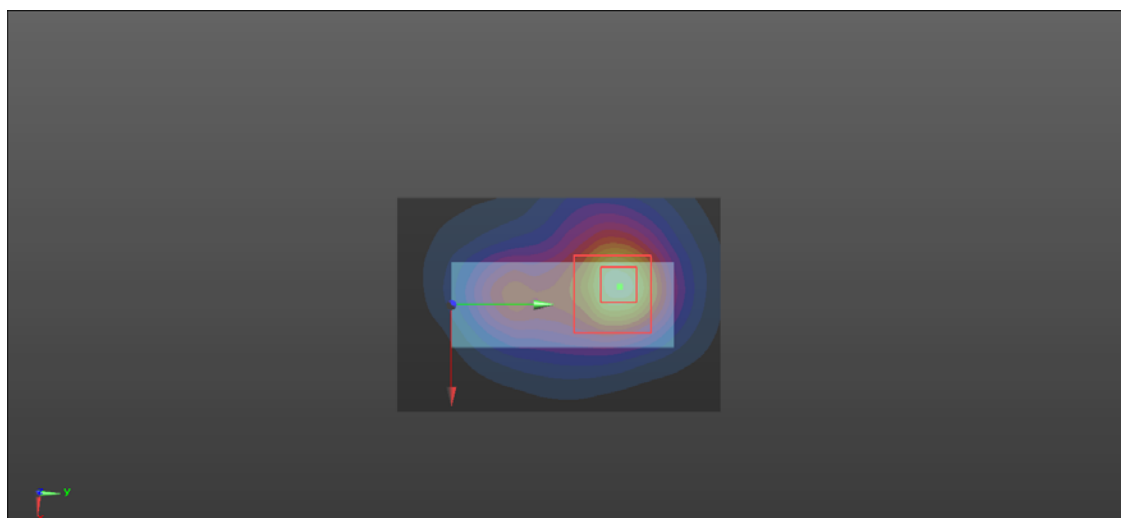
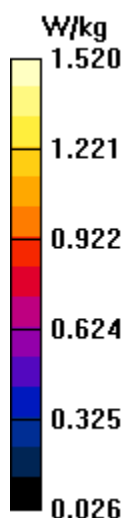
Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.271 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

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

Maximum value of SAR (measured) = 1.52 W/kg



34_802.11a_Ch40_Vertical Back_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.738$ S/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.709 W/kg

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

Reference Value = 11.43 V/m; Power Drift = -0.13 dB

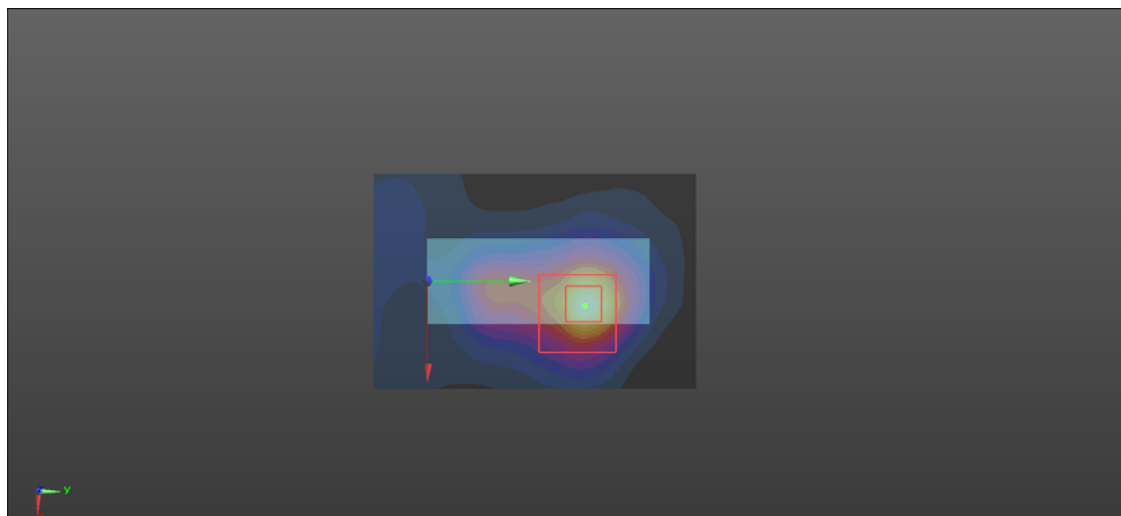
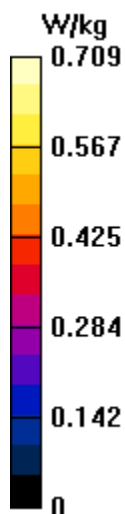
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.103 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 61.6%

Maximum value of SAR (measured) = 0.704 W/kg



35_802.11a_Ch40_Tip_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.738$ S/m; $\epsilon_r = 38.564$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.357 W/kg

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

Reference Value = 9.209 V/m; Power Drift = -0.15 dB

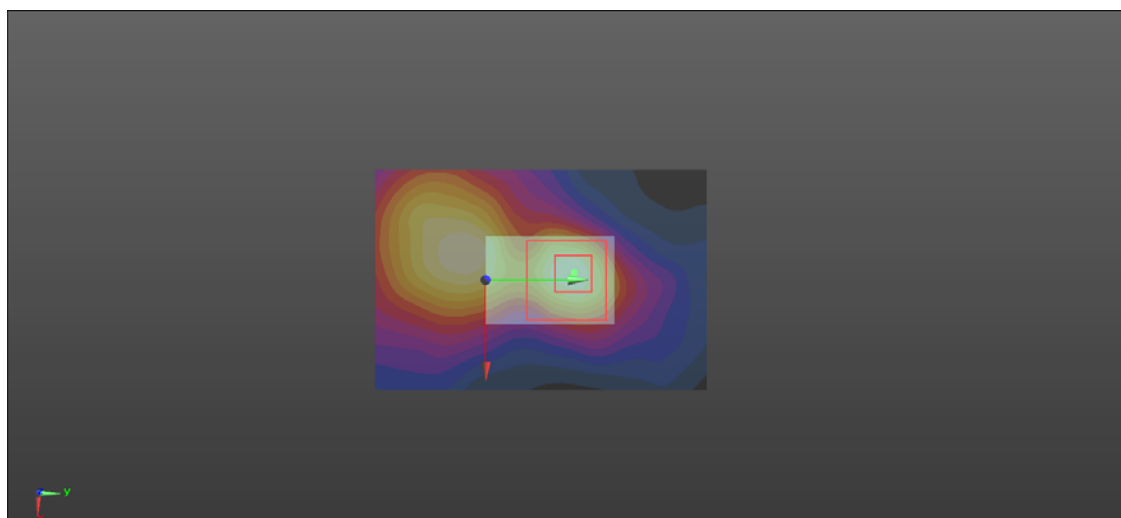
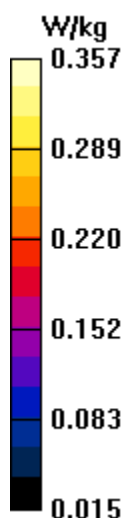
Peak SAR (extrapolated) = 0.645 W/kg

SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.062 W/kg

Smallest distance from peaks to all points 3 dB below = 13.1 mm

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

Maximum value of SAR (measured) = 0.361 W/kg



36_802.11a_Ch36_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.702$ S/m; $\epsilon_r = 38.606$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5180 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch36/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.46 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 19.77 V/m; Power Drift = -0.17 dB

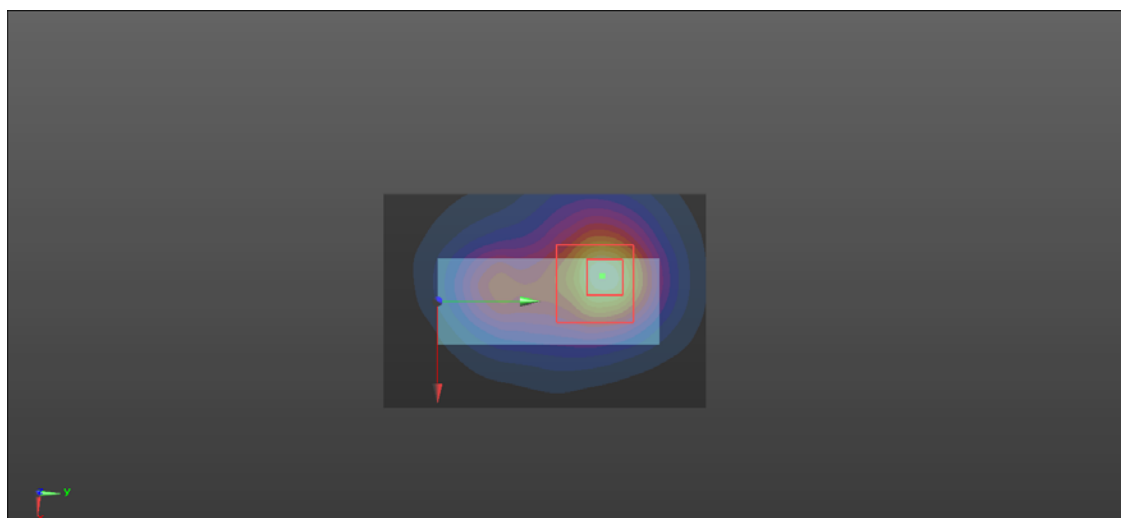
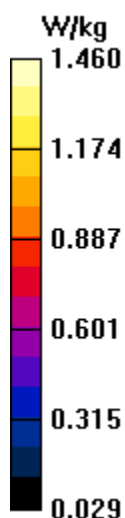
Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.244 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 1.37 W/kg



37_802.11a_Ch48_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.797$ S/m; $\epsilon_r = 38.463$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.69 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 19.84 V/m; Power Drift = -0.08 dB

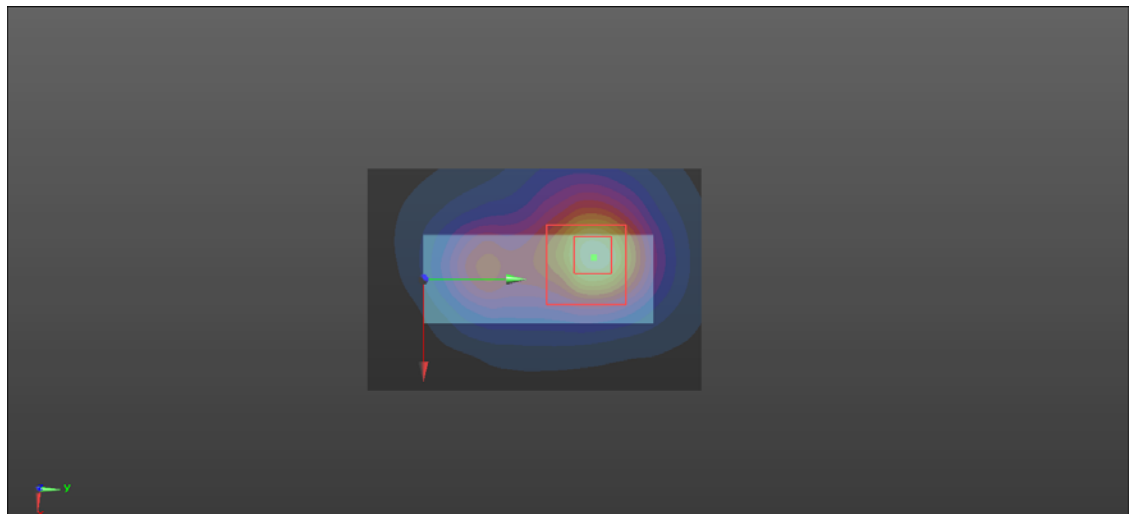
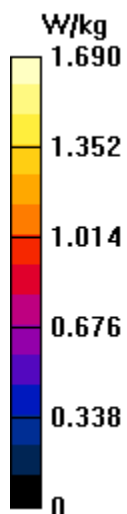
Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.293 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

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

Maximum value of SAR (measured) = 1.73 W/kg



37-1_802.11a_Ch48_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.797$ S/m; $\epsilon_r = 38.463$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.67 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 19.81 V/m; Power Drift = -0.06 dB

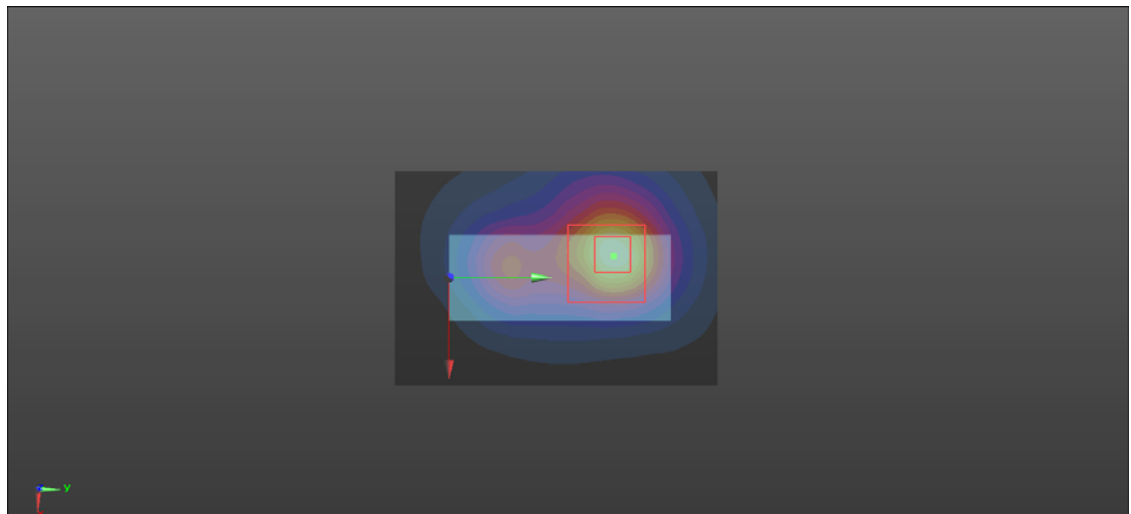
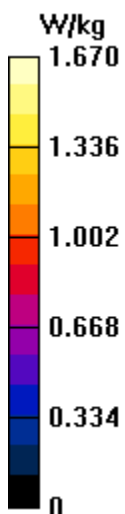
Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.290 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 62.9%

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



41_802.11a_Ch157_Horizontal Up_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.523$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.516 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.13 V/m; Power Drift = -0.05 dB

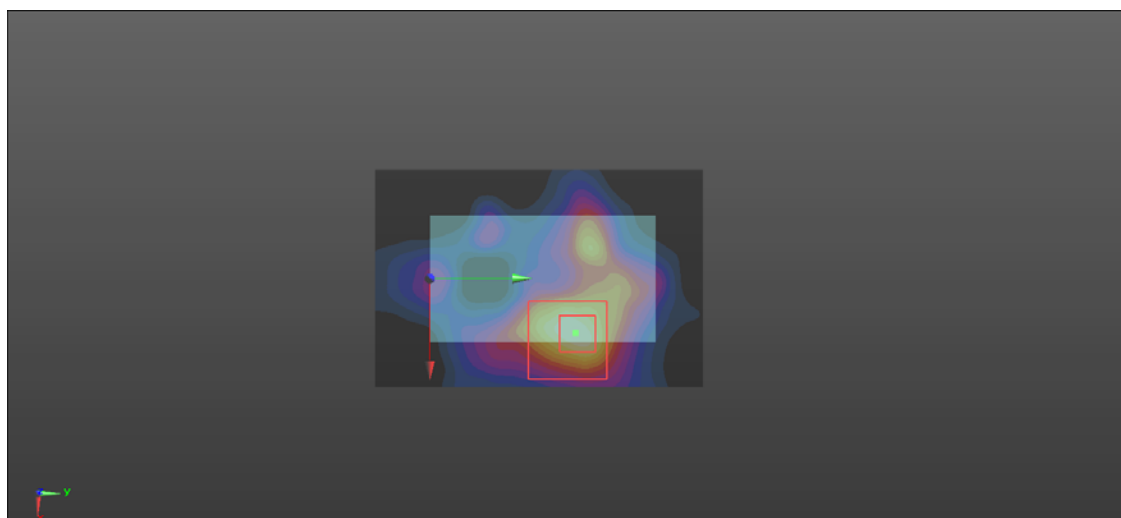
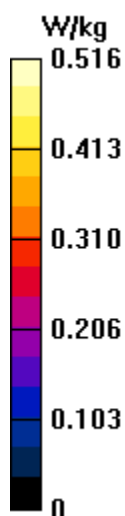
Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.072 W/kg

Smallest distance from peaks to all points 3 dB below = 11.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.6%

Maximum value of SAR (measured) = 0.523 W/kg



42_802.11a_Ch157_Horizontal Down_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.523$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.180 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 3.367 V/m; Power Drift = 0.14 dB

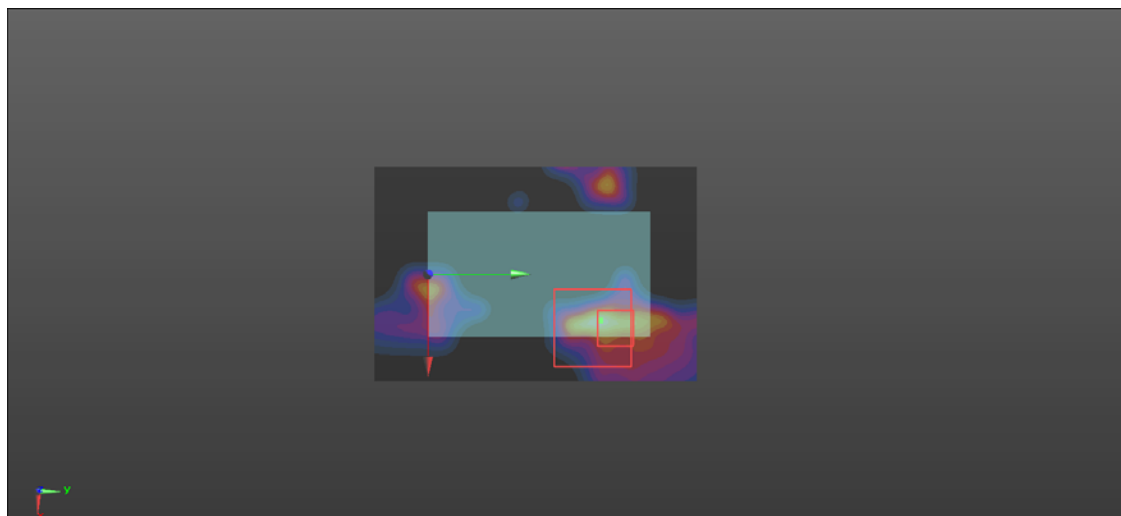
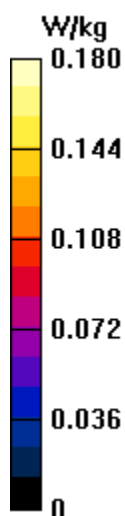
Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.013 W/kg

Smallest distance from peaks to all points 3 dB below = 11.8 mm

Ratio of SAR at M2 to SAR at M1 = 55.5%

Maximum value of SAR (measured) = 0.117 W/kg



43_802.11a_Ch157_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.523$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.56 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 18.02 V/m; Power Drift = -0.01 dB

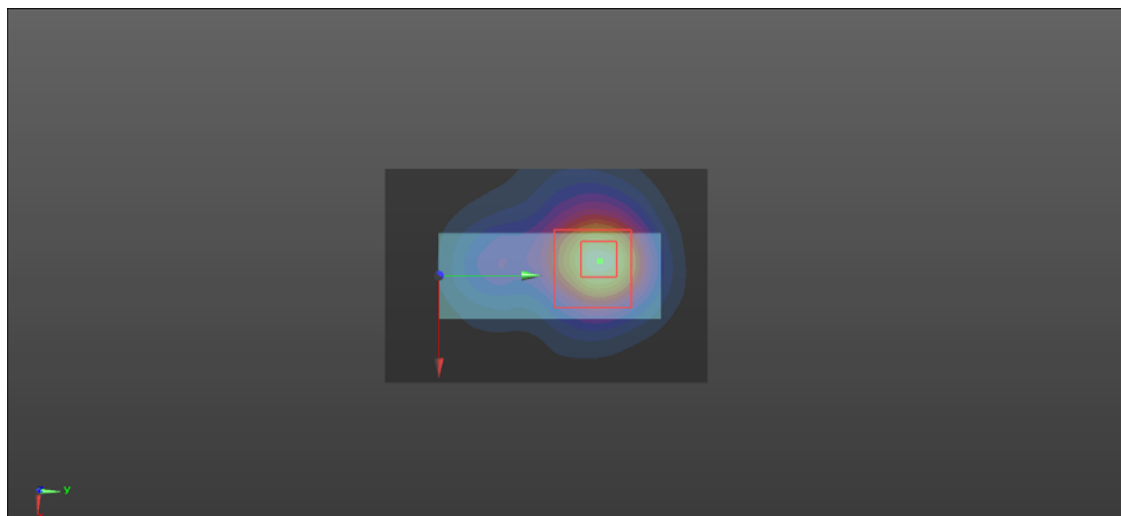
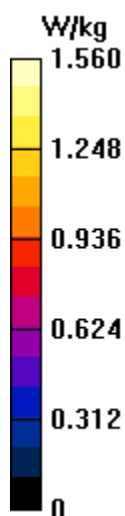
Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.239 W/kg

Smallest distance from peaks to all points 3 dB below = 12.1 mm

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

Maximum value of SAR (measured) = 1.52 W/kg



44_802.11a_Ch157_Vertical Back_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.523$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.476 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.444 V/m; Power Drift = -0.17 dB

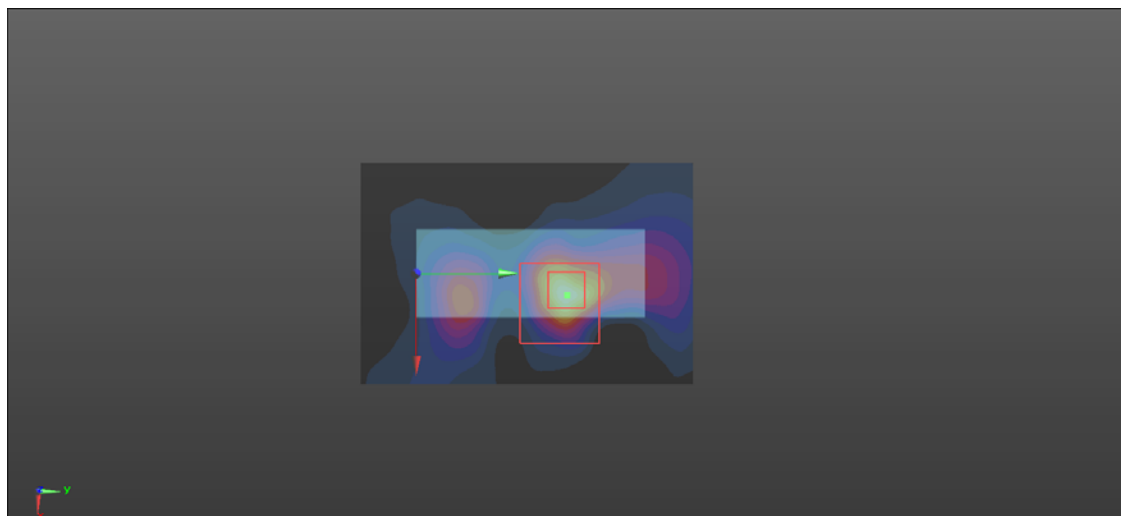
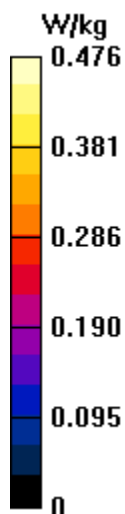
Peak SAR (extrapolated) = 0.688 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.043 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.1%

Maximum value of SAR (measured) = 0.396 W/kg



45_802.11a_Ch157_Tip_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.523$ S/m; $\epsilon_r = 37.382$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.489 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.200 V/m; Power Drift = -0.20 dB

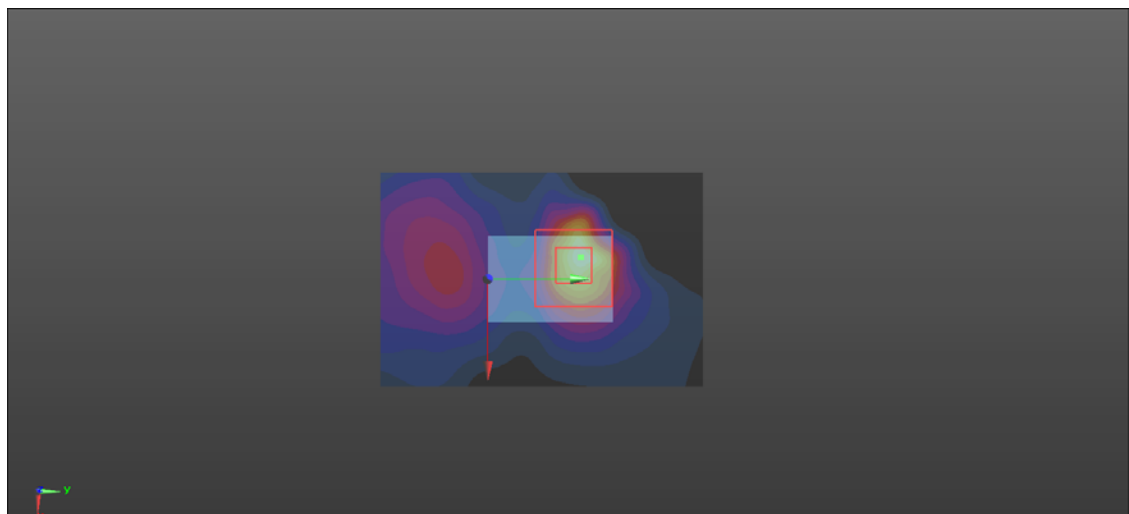
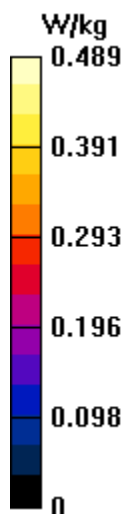
Peak SAR (extrapolated) = 0.744 W/kg

SAR(1 g) = 0.169 W/kg; SAR(10 g) = 0.057 W/kg

Smallest distance from peaks to all points 3 dB below = 9.7 mm

Ratio of SAR at M2 to SAR at M1 = 56.8%

Maximum value of SAR (measured) = 0.419 W/kg



46_802.11a_Ch149_Veritical Front_5mm

DUT: WiFiHU52E-T

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-2 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.464$ S/m; $\epsilon_r = 37.414$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.68 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.77 V/m; Power Drift = -0.05 dB

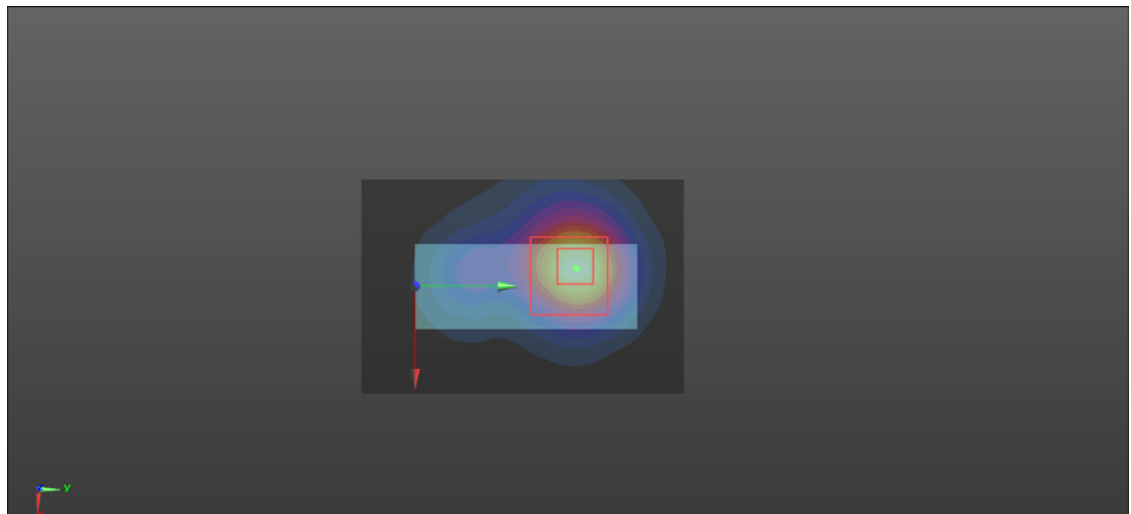
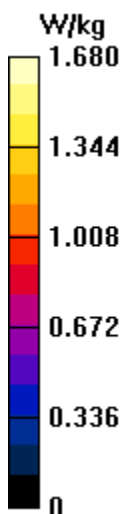
Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.725 W/kg; SAR(10 g) = 0.256 W/kg

Smallest distance from peaks to all points 3 dB below = 11.8 mm

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

Maximum value of SAR (measured) = 1.66 W/kg



47_802.11a_Ch165_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.581$ S/m; $\epsilon_r = 37.262$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5825 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.30 W/kg

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

Reference Value = 16.03 V/m; Power Drift = -0.13 dB

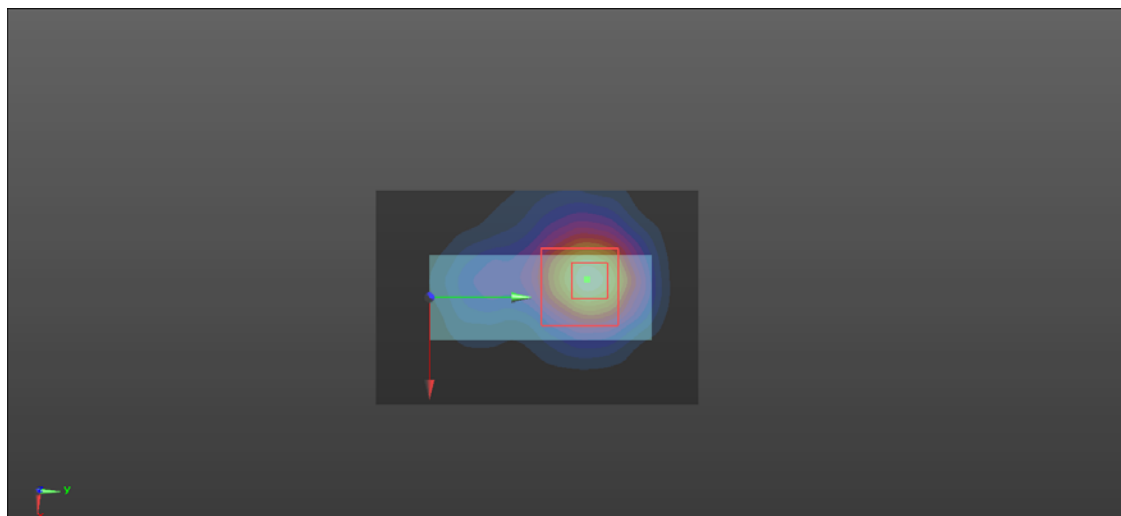
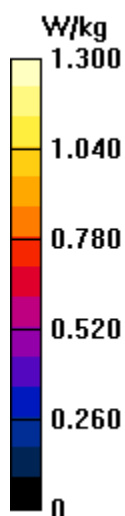
Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.190 W/kg

Smallest distance from peaks to all points 3 dB below = 11.4 mm

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

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



51_802.11ac80_Ch42_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5210$ MHz; $\sigma = 4.746$ S/m; $\epsilon_r = 38.553$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5210 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.591 W/kg

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

Reference Value = 12.44 V/m; Power Drift = -0.15 dB

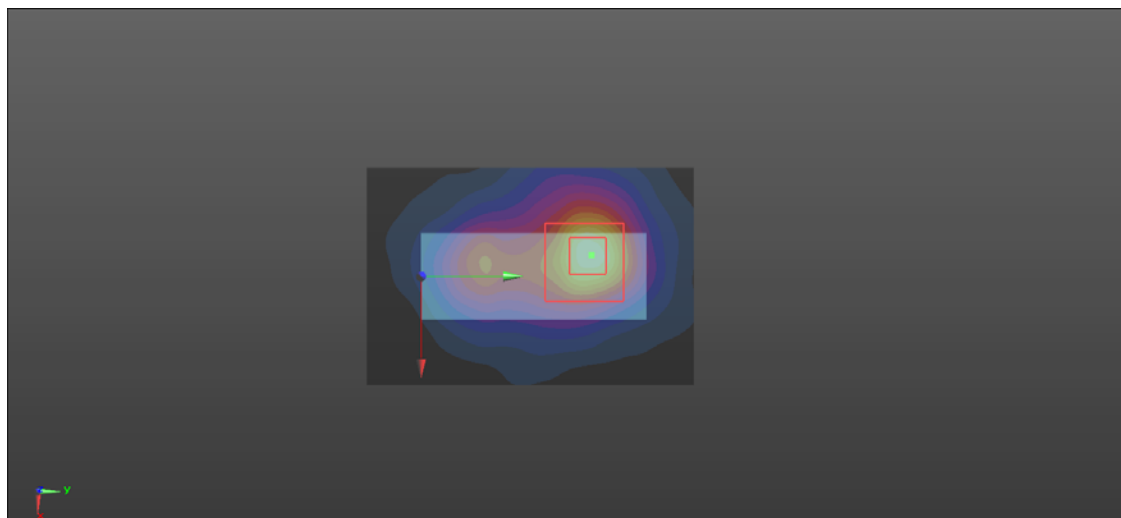
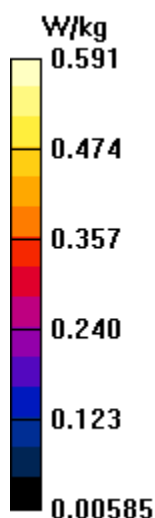
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.094 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 60.5%

Maximum value of SAR (measured) = 0.559 W/kg



52_802.11ac80_Ch155_Veritical Front_5mm

DUT: WiFiHU52E-T

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

Medium: HSL 5G-2 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.521$ S/m; $\epsilon_r = 37.385$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5775 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.519 W/kg

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

Reference Value = 7.711 V/m; Power Drift = 0.06 dB

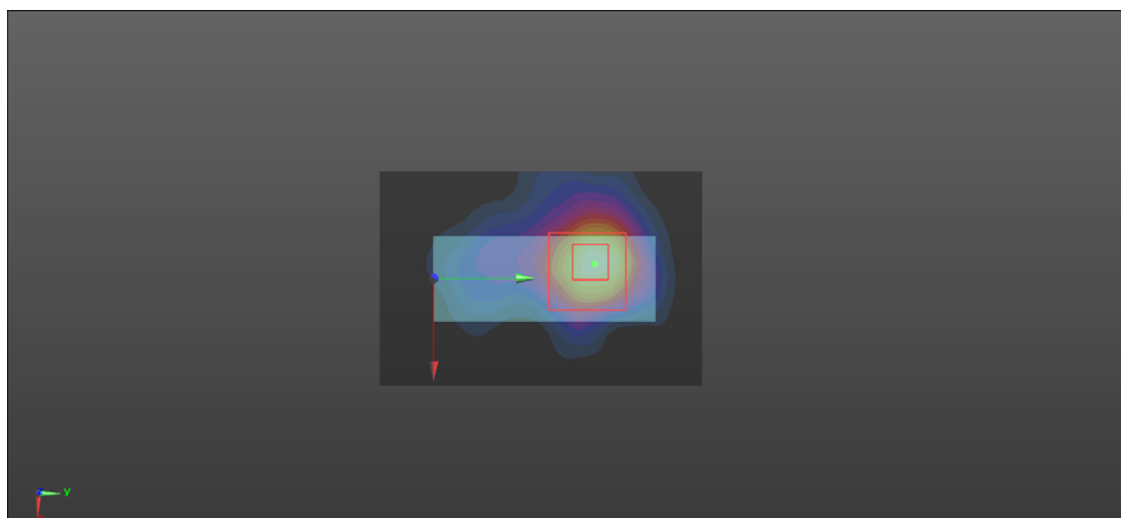
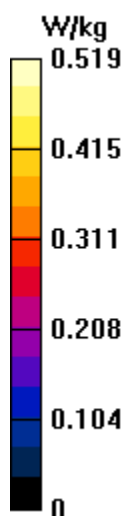
Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.219 W/kg; SAR(10 g) = 0.075 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

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

Maximum value of SAR (measured) = 0.525 W/kg



61_802.11b_Ch6_1Mbps_Horizontal Up_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 41.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.421 W/kg

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

Reference Value = 14.90 V/m; Power Drift = -0.15 dB

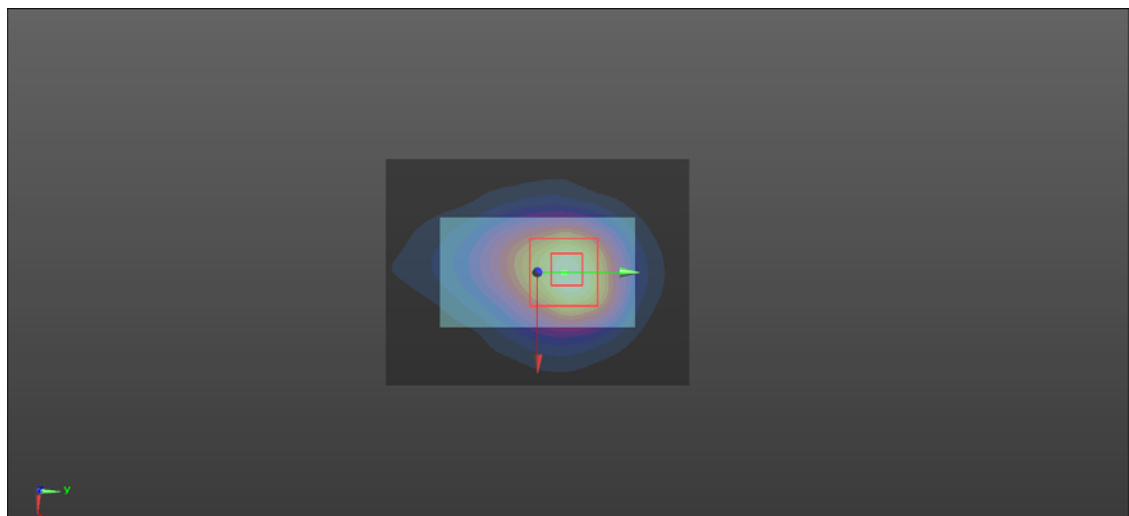
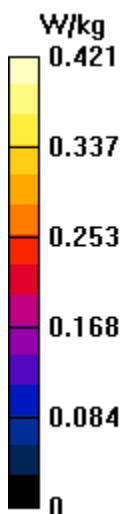
Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.255 W/kg; SAR(10 g) = 0.133 W/kg

Smallest distance from peaks to all points 3 dB below = 14.8 mm

Ratio of SAR at M2 to SAR at M1 = 51.7%

Maximum value of SAR (measured) = 0.394 W/kg



62_802.11b_Ch6_1Mbps_Horizontal_Down_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 41.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.0889 W/kg

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

Reference Value = 7.288 V/m; Power Drift = -0.15 dB

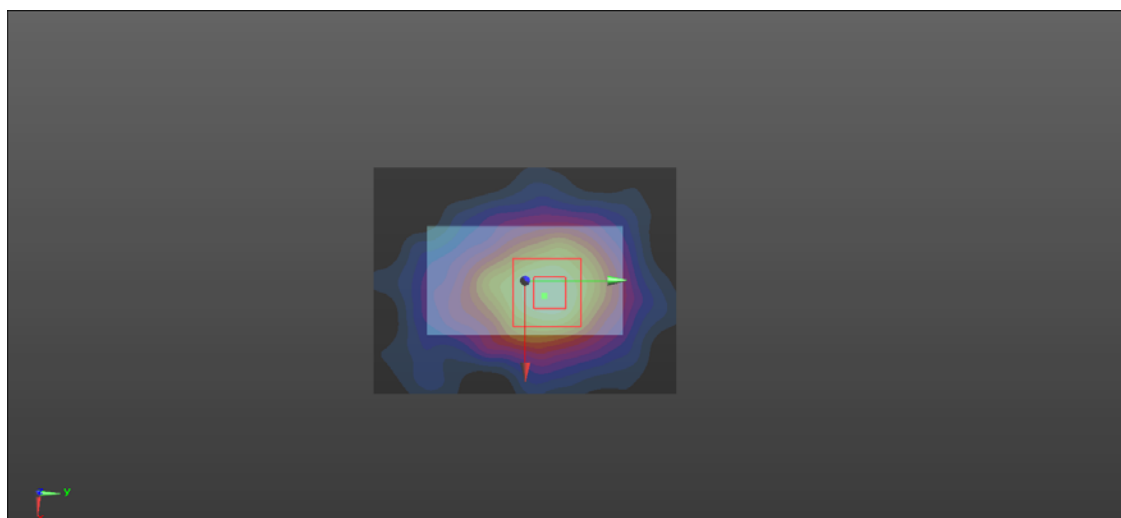
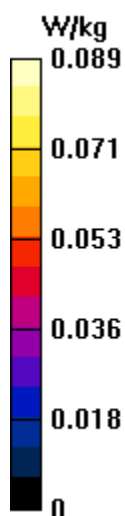
Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.027 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 = 46.6%

Maximum value of SAR (measured) = 0.0874 W/kg



63_802.11b_Ch6_1Mbps_Vertical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 41.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.134 W/kg

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

Reference Value = 8.075 V/m; Power Drift = -0.10 dB

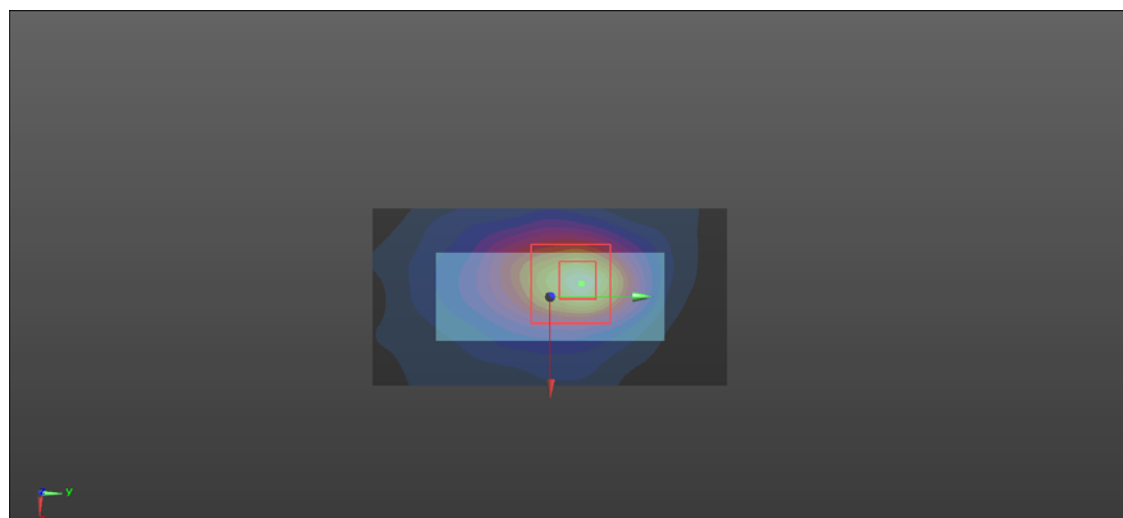
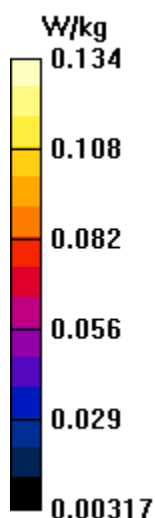
Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.033 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45%

Maximum value of SAR (measured) = 0.123 W/kg



64_802.11b_Ch6_1Mbps_Vertical Back_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 41.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.127 W/kg

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

Reference Value = 7.468 V/m; Power Drift = -0.05 dB

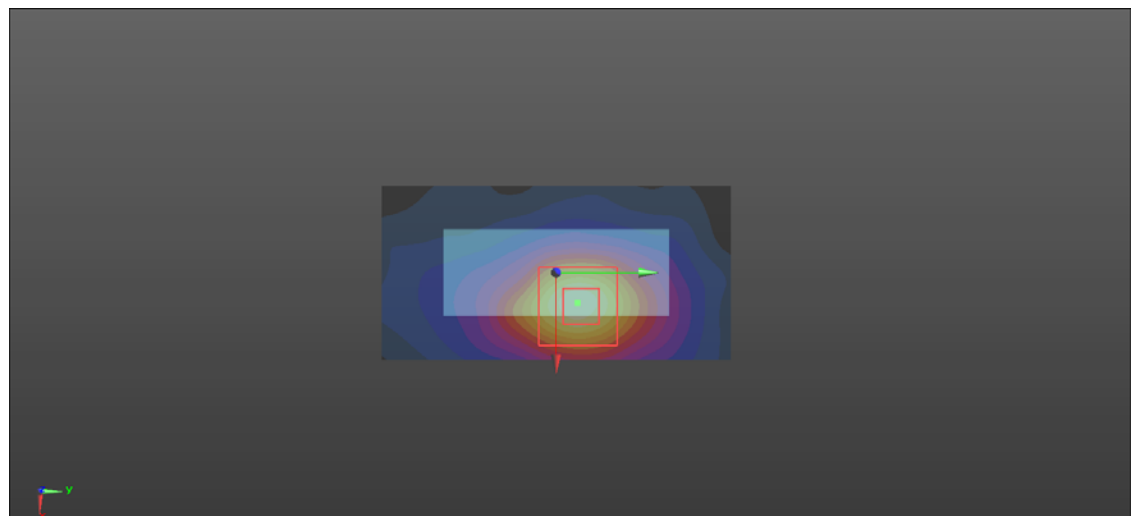
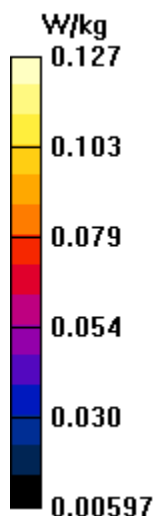
Peak SAR (extrapolated) = 0.161 W/kg

SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.037 W/kg

Smallest distance from peaks to all points 3 dB below = 14.9 mm

Ratio of SAR at M2 to SAR at M1 = 46.9%

Maximum value of SAR (measured) = 0.127 W/kg



65_802.11b_Ch6_1Mbps_Tip_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.741$ S/m; $\epsilon_r = 41.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2437 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/Area Scan (61x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.113 W/kg

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

Reference Value = 8.396 V/m; Power Drift = -0.05 dB

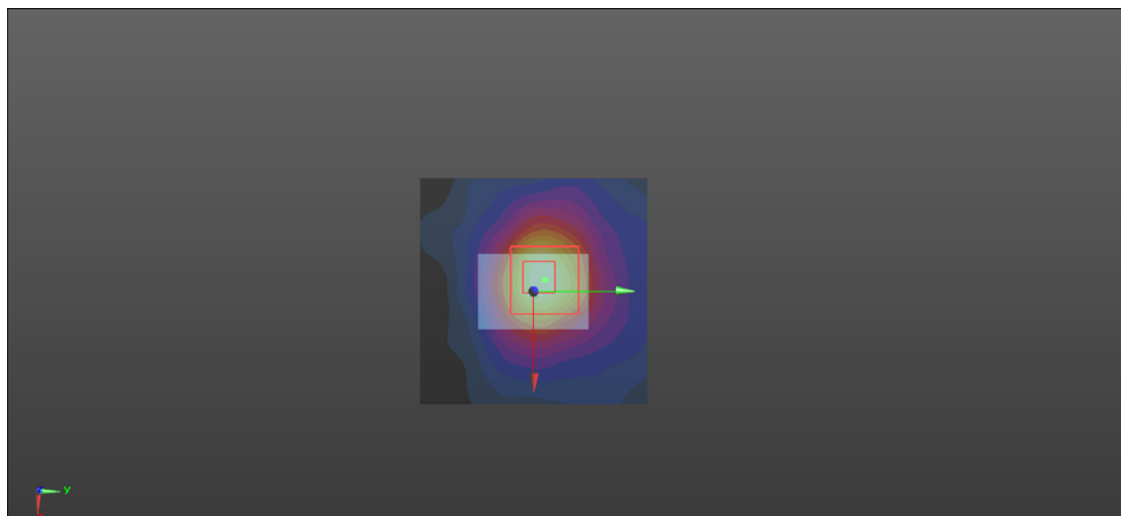
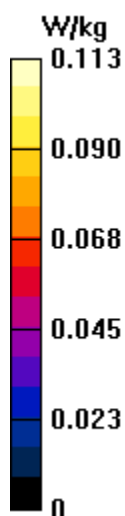
Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.033 W/kg

Smallest distance from peaks to all points 3 dB below = 12.6 mm

Ratio of SAR at M2 to SAR at M1 = 47.5%

Maximum value of SAR (measured) = 0.110 W/kg



66_802.11b_Ch1_1Mbps_Horizontal Up_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.714$ S/m; $\epsilon_r = 41.764$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2412 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch1/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.437 W/kg

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

Reference Value = 14.63 V/m; Power Drift = -0.12 dB

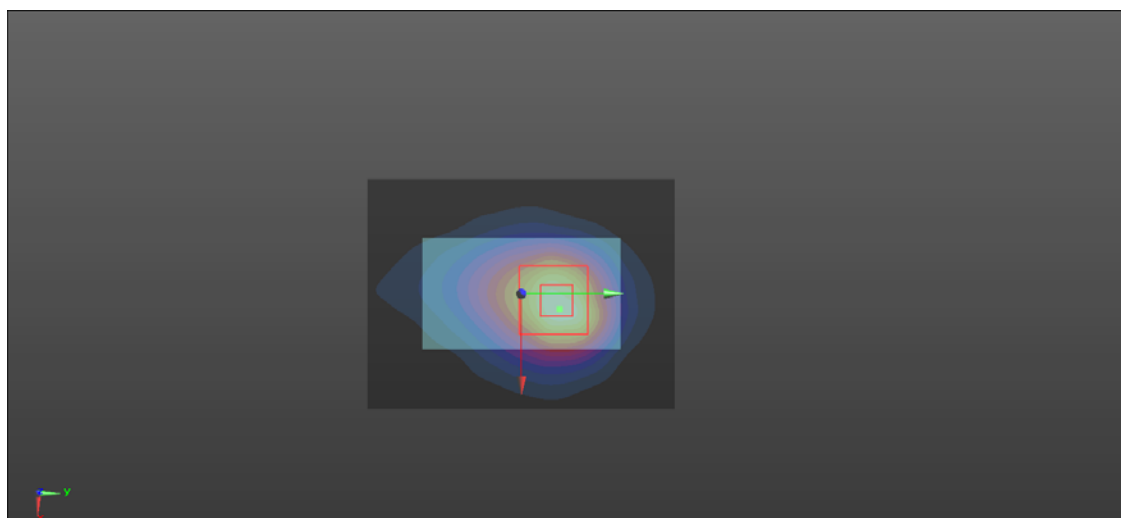
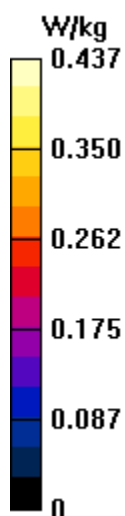
Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.137 W/kg

Smallest distance from peaks to all points 3 dB below = 14.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.9%

Maximum value of SAR (measured) = 0.409 W/kg



67_802.11b_Ch11_1Mbps_Horizontal Up_5mm

DUT: WiFiHU52E

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

Medium: HSL 2450-2 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 41.728$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.41, 7.17, 7.09) @ 2462 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch11/Area Scan (61x81x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.388 W/kg

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

Reference Value = 13.89 V/m; Power Drift = -0.01 dB

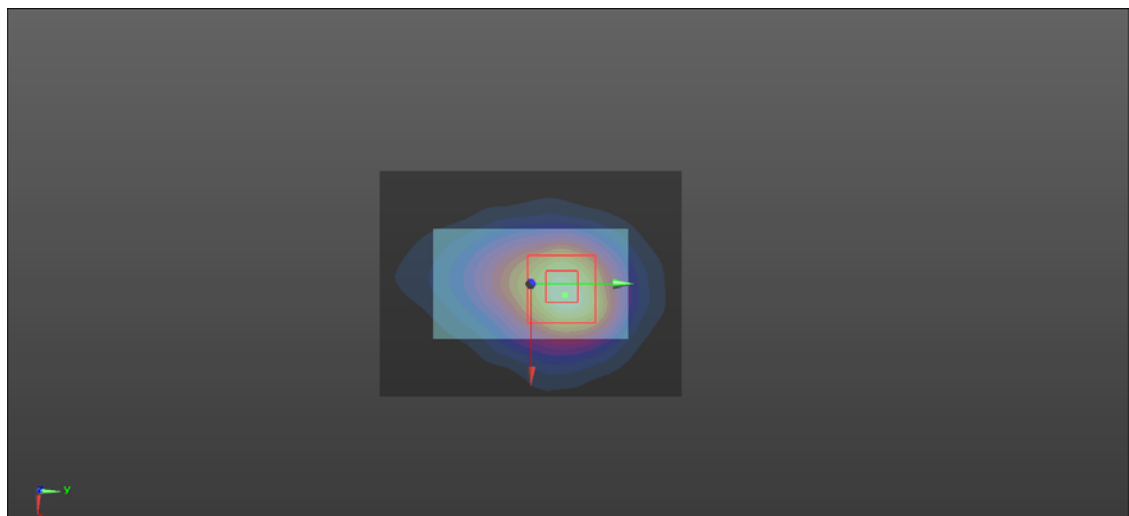
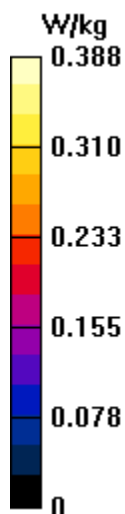
Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.125 W/kg

Smallest distance from peaks to all points 3 dB below = 15 mm

Ratio of SAR at M2 to SAR at M1 = 50.6%

Maximum value of SAR (measured) = 0.371 W/kg



71_802.11ac20_Ch40_Horizontal Up_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.802$ S/m; $\epsilon_r = 39.229$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.57 W/kg

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

Reference Value = 18.81 V/m; Power Drift = 0.06 dB

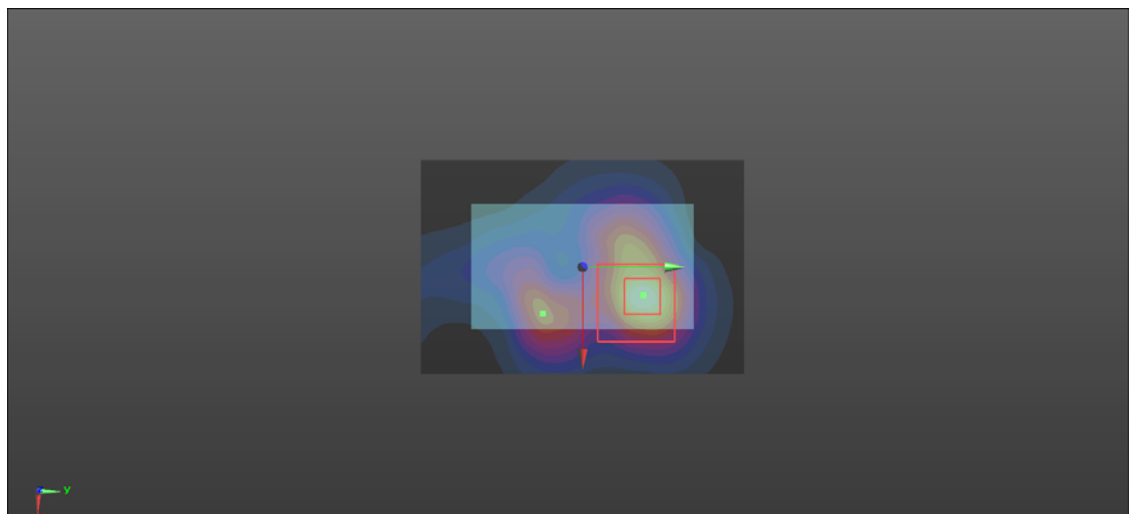
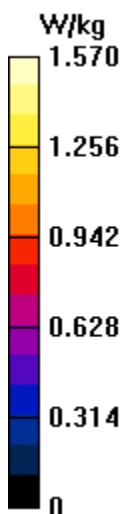
Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.240 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.7%

Maximum value of SAR (measured) = 1.59 W/kg



72_802.11ac20_Ch40_Horizontal Down_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.802$ S/m; $\epsilon_r = 39.229$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

Reference Value = 7.351 V/m; Power Drift = 0.06 dB

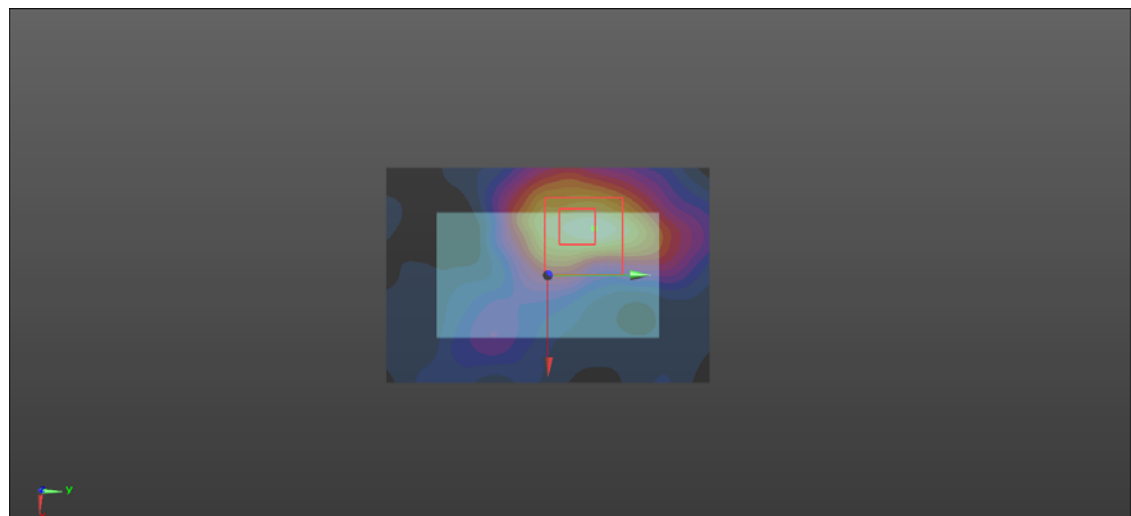
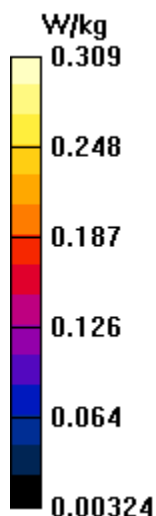
Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.047 W/kg

Smallest distance from peaks to all points 3 dB below = 12.1 mm

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

Maximum value of SAR (measured) = 0.305 W/kg



73_802.11ac20_Ch40_Veritical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.802$ S/m; $\epsilon_r = 39.229$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.85 W/kg

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

Reference Value = 20.87 V/m; Power Drift = -0.06 dB

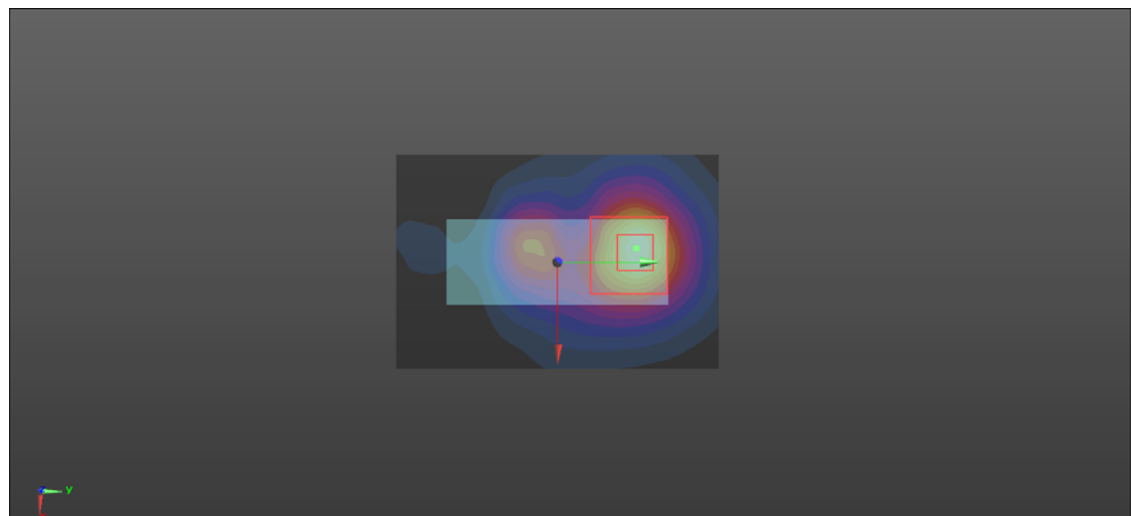
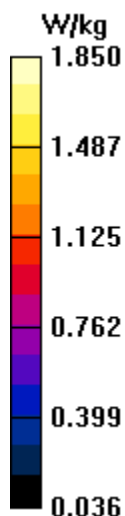
Peak SAR (extrapolated) = 3.29 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.310 W/kg

Smallest distance from peaks to all points 3 dB below = 14 mm

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

Maximum value of SAR (measured) = 1.79 W/kg



73-1_802.11ac20_Ch40_Veritical Front_5mm

DUT: WIFIHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.802$ S/m; $\epsilon_r = 39.229$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.80 W/kg

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

Reference Value = 20.96 V/m; Power Drift = -0.04 dB

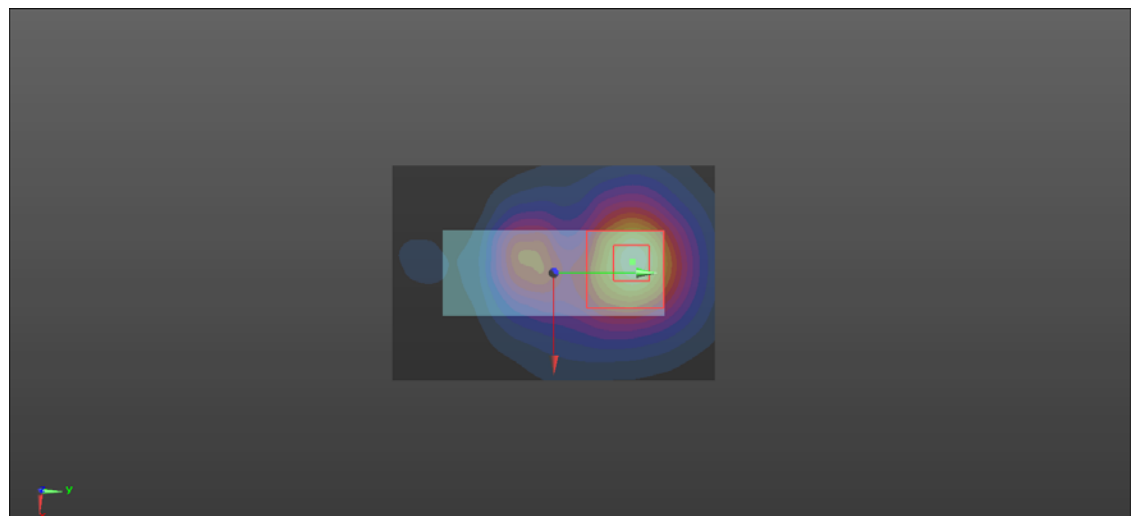
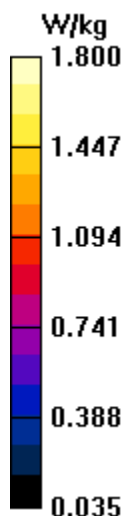
Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 0.800 W/kg; SAR(10 g) = 0.305 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.5%

Maximum value of SAR (measured) = 1.78 W/kg



74_802.11ac20_Ch40_Veritical Back_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.802$ S/m; $\epsilon_r = 39.229$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.822 W/kg

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

Reference Value = 8.888 V/m; Power Drift = -0.06 dB

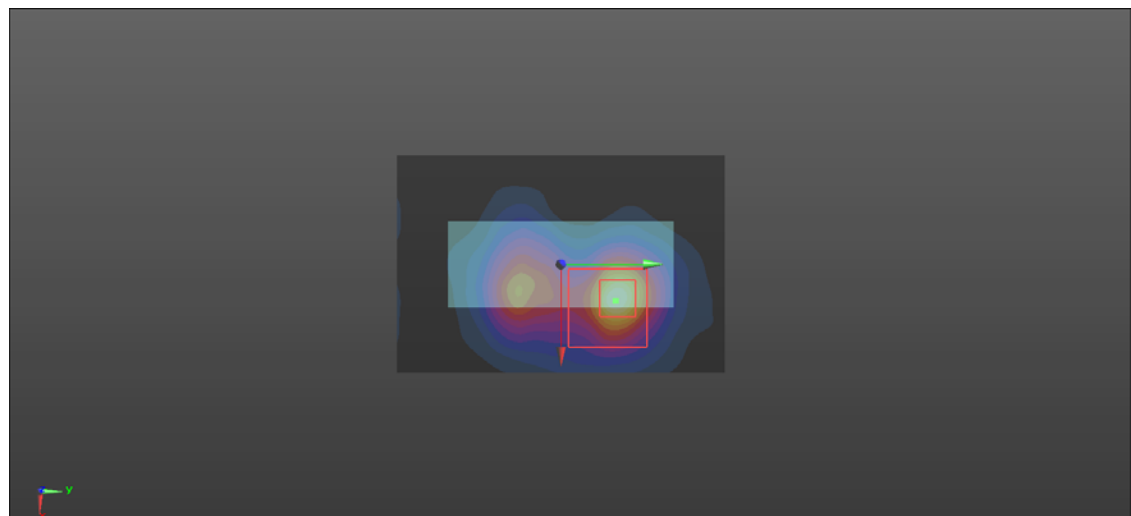
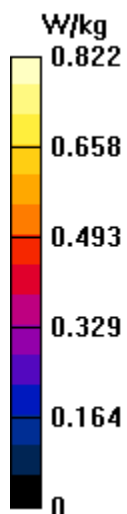
Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.102 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.3%

Maximum value of SAR (measured) = 0.823 W/kg



75_802.11ac20_Ch40_Tip_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.802$ S/m; $\epsilon_r = 39.229$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.540 W/kg

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

Reference Value = 11.27 V/m; Power Drift = -0.01 dB

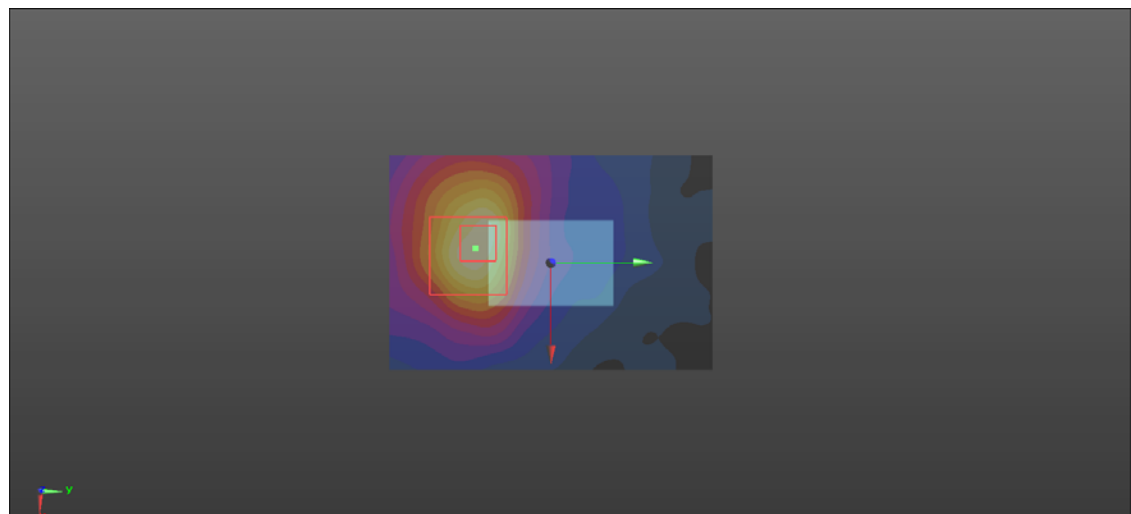
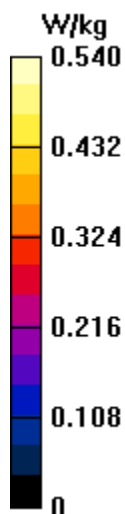
Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.092 W/kg

Smallest distance from peaks to all points 3 dB below = 19.9 mm

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

Maximum value of SAR (measured) = 0.548 W/kg



76_802.11ac20_Ch36_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.766$ S/m; $\epsilon_r = 39.267$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5180 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch36/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.46 V/m; Power Drift = -0.15 dB

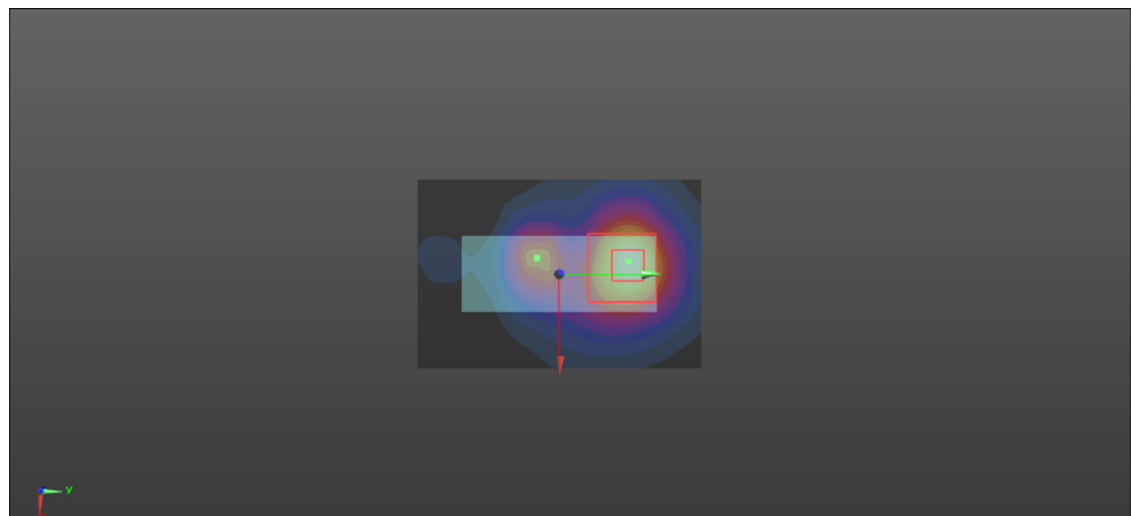
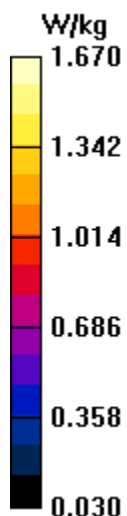
Peak SAR (extrapolated) = 3.08 W/kg

SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.274 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 58.7%

Maximum value of SAR (measured) = 1.64 W/kg



76-1_802.11ac20_Ch36_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.766$ S/m; $\epsilon_r = 39.267$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5180 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch36/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.67 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 20.96 V/m; Power Drift = -0.14 dB

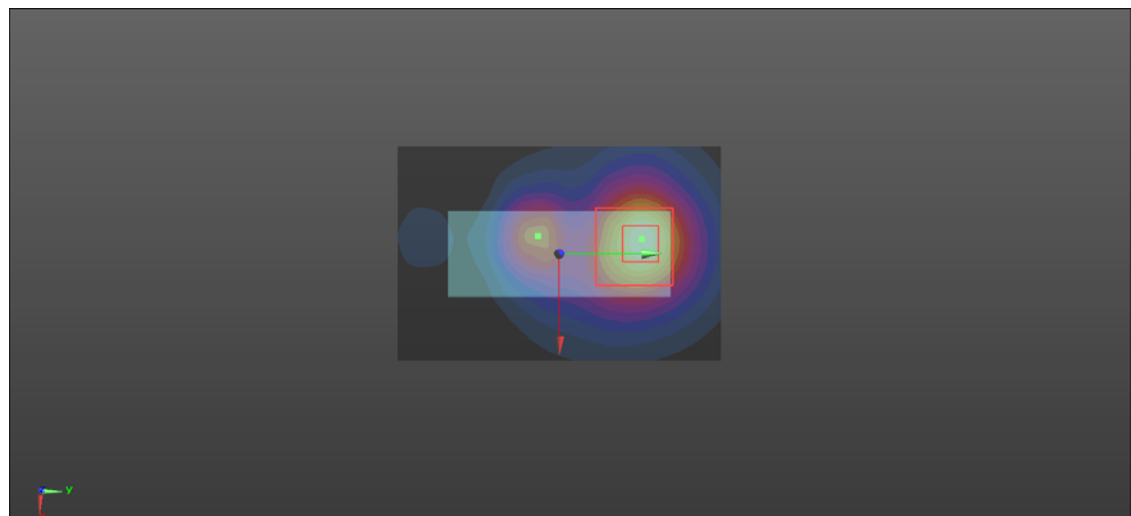
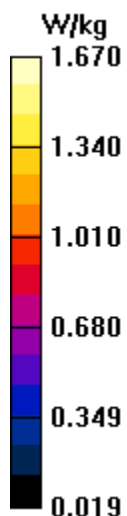
Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.275 W/kg

Smallest distance from peaks to all points 3 dB below = 11.9 mm

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

Maximum value of SAR (measured) = 1.55 W/kg



77_802.11ac20_Ch48_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.861$ S/m; $\epsilon_r = 39.124$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.94 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 21.60 V/m; Power Drift = -0.04 dB

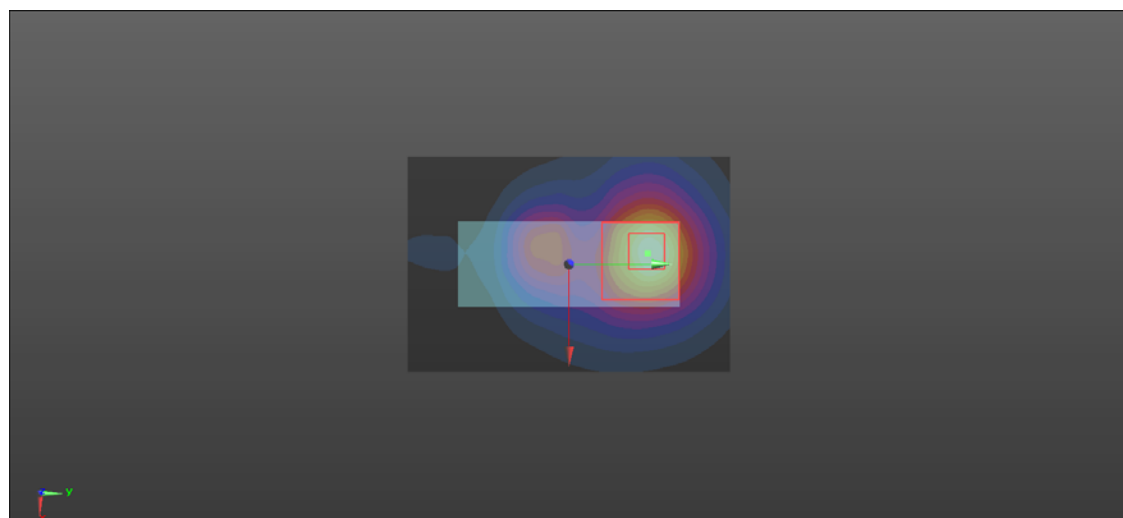
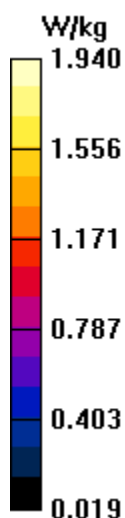
Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.332 W/kg

Smallest distance from peaks to all points 3 dB below = 12.6 mm

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

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



77-1_802.11ac20_Ch48_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.861$ S/m; $\epsilon_r = 39.124$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.94 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 21.51 V/m; Power Drift = -0.14 dB

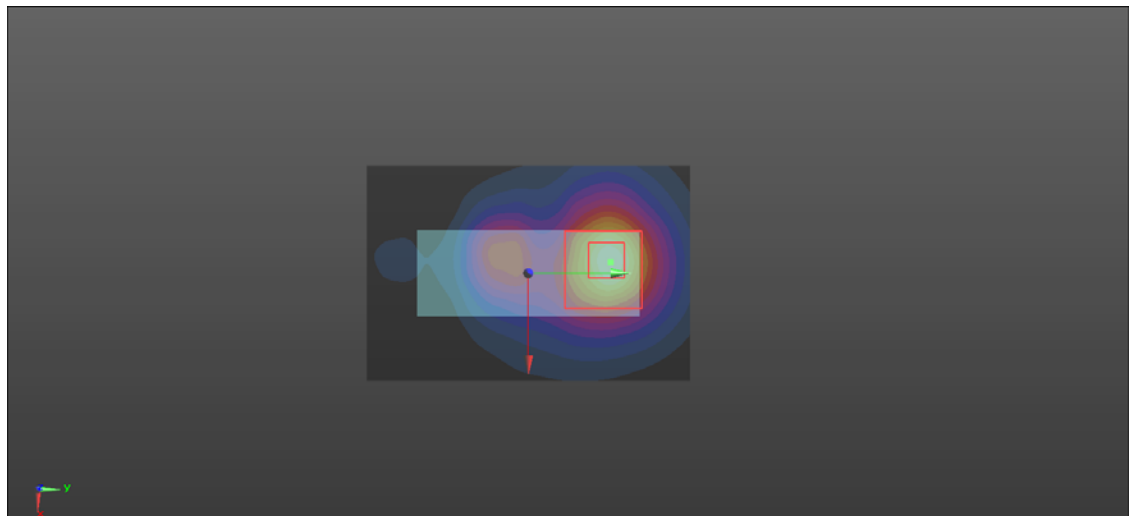
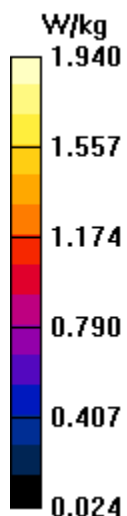
Peak SAR (extrapolated) = 3.58 W/kg

SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.335 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

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

Maximum value of SAR (measured) = 1.98 W/kg



81_802.11ac20_Ch157_Horizontal Up_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.599$ S/m; $\epsilon_r = 38.023$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.836 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 12.69 V/m; Power Drift = -0.20 dB

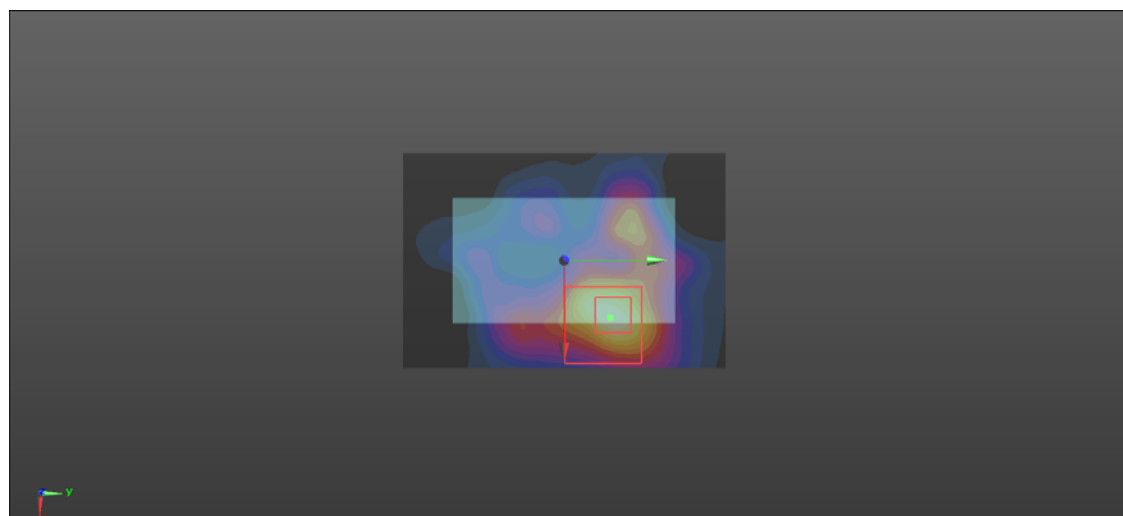
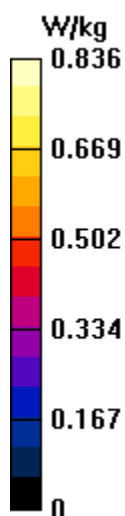
Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.118 W/kg

Smallest distance from peaks to all points 3 dB below = 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

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



82_802.11ac20_Ch157_Horizontal Down_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.599$ S/m; $\epsilon_r = 38.023$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.328 V/m; Power Drift = -0.19 dB

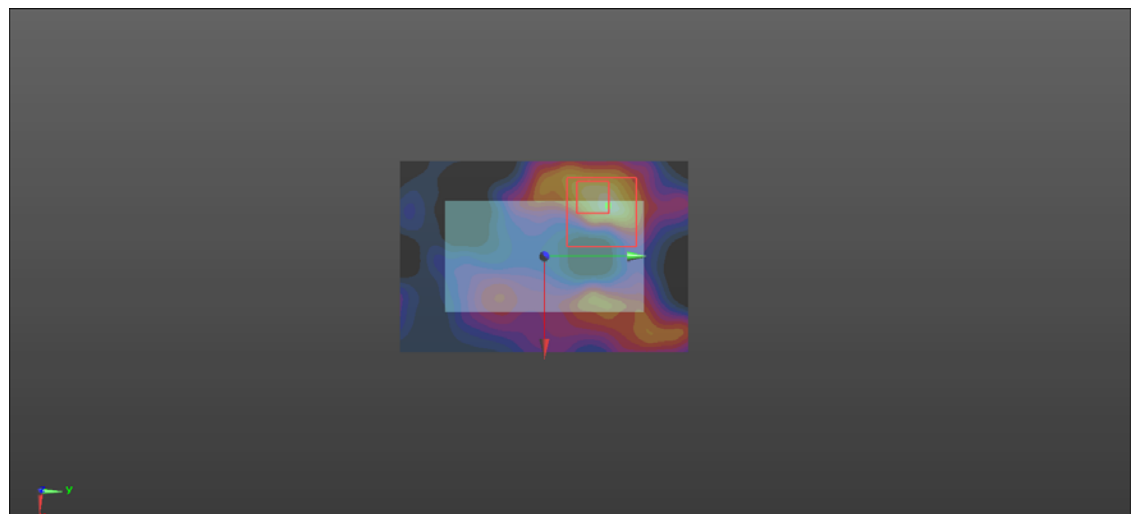
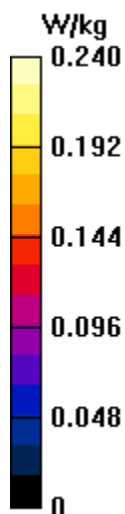
Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.023 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 41.9%

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



83_802.11ac20_Ch157_Vertical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.599 \text{ S/m}$; $\epsilon_r = 38.023$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 2.15 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 20.15 V/m ; Power Drift = -0.12 dB

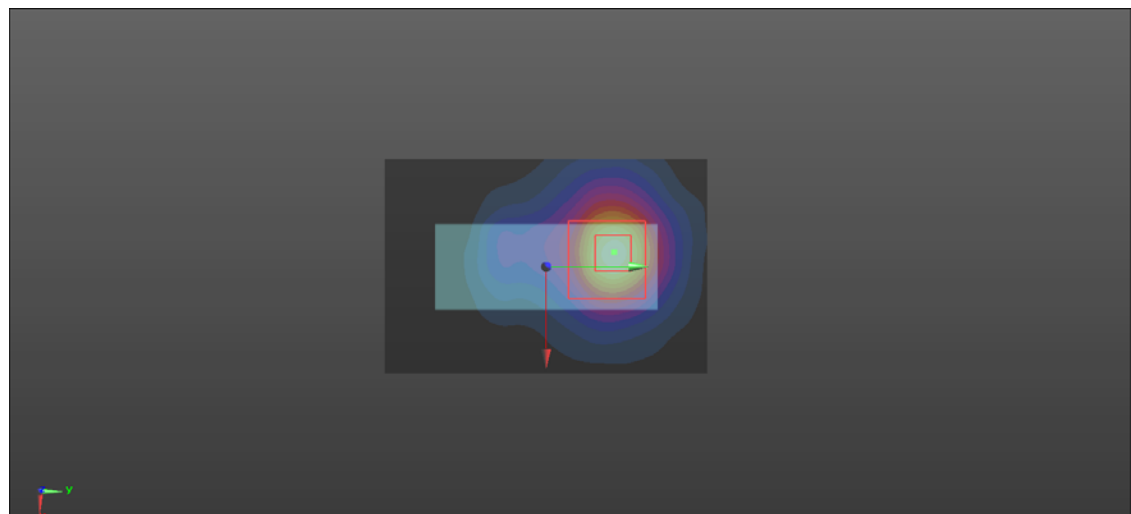
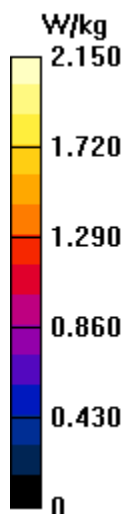
Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 0.880 W/kg ; SAR(10 g) = 0.316 W/kg

Smallest distance from peaks to all points 3 dB below = 12.4 mm

Ratio of SAR at M2 to SAR at M1 = 56.1%

Maximum value of SAR (measured) = 2.12 W/kg



83-1_802.11ac20_Ch157_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.599$ S/m; $\epsilon_r = 38.023$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.18 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.83 V/m; Power Drift = -0.16 dB

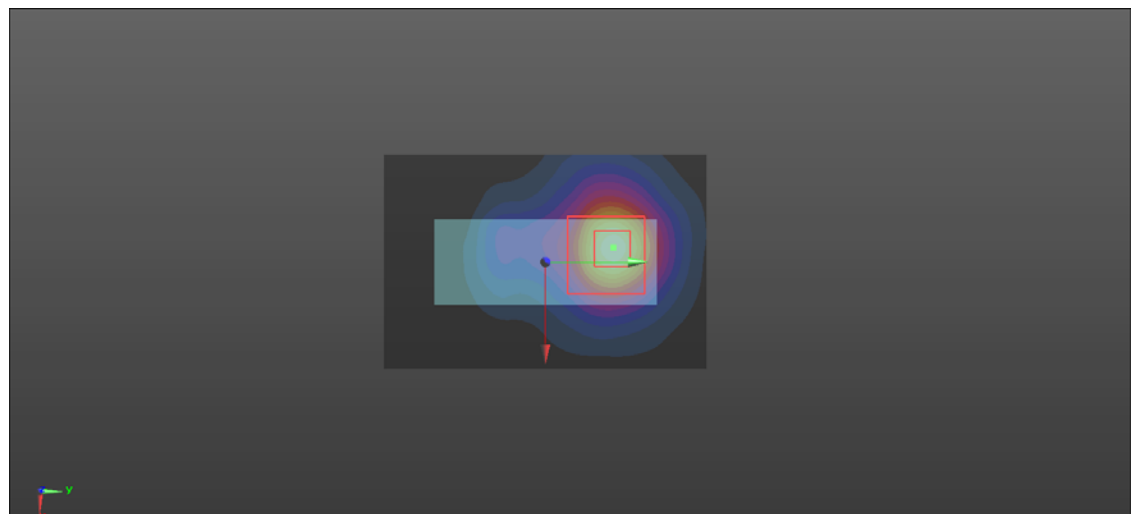
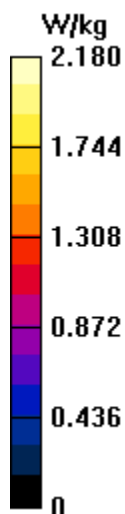
Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 0.876 W/kg; SAR(10 g) = 0.316 W/kg

Smallest distance from peaks to all points 3 dB below = 13.1 mm

Ratio of SAR at M2 to SAR at M1 = 55.7%

Maximum value of SAR (measured) = 2.12 W/kg



84_802.11ac20_Ch157_Veritical Back_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.599$ S/m; $\epsilon_r = 38.023$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.614 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.374 V/m; Power Drift = -0.13 dB

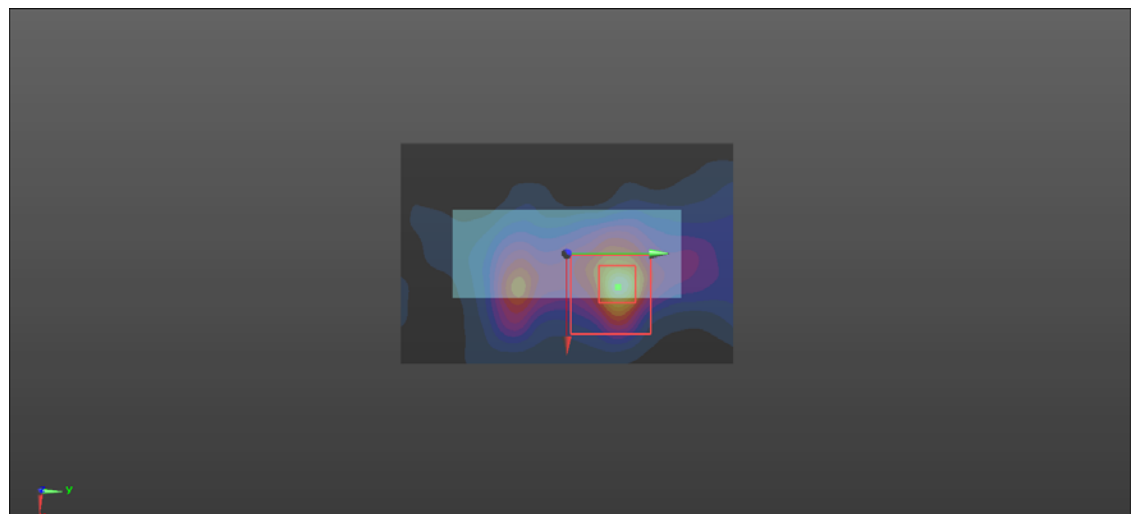
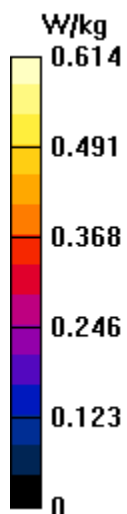
Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.061 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 51.8%

Maximum value of SAR (measured) = 0.593 W/kg



85_802.11ac20_Ch157_Tip_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.599$ S/m; $\epsilon_r = 38.023$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.541 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 9.455 V/m; Power Drift = -0.11 dB

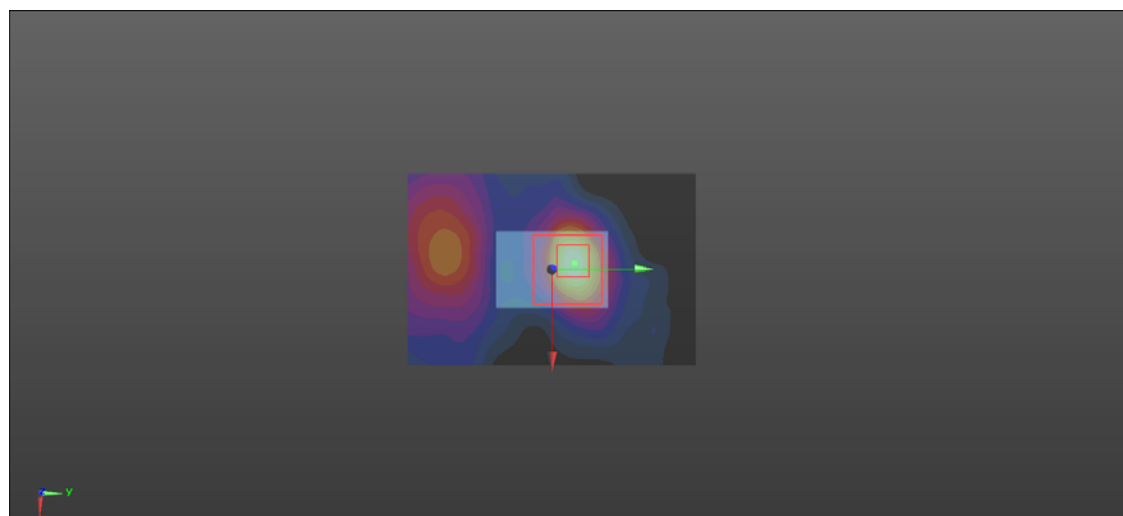
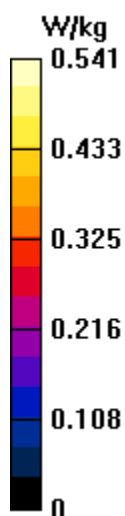
Peak SAR (extrapolated) = 0.917 W/kg

SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.061 W/kg

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 49.6%

Maximum value of SAR (measured) = 0.508 W/kg



86_802.11ac20_Ch149_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.539 \text{ S/m}$; $\epsilon_r = 38.056$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 2.21 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 21.03 V/m ; Power Drift = -0.17 dB

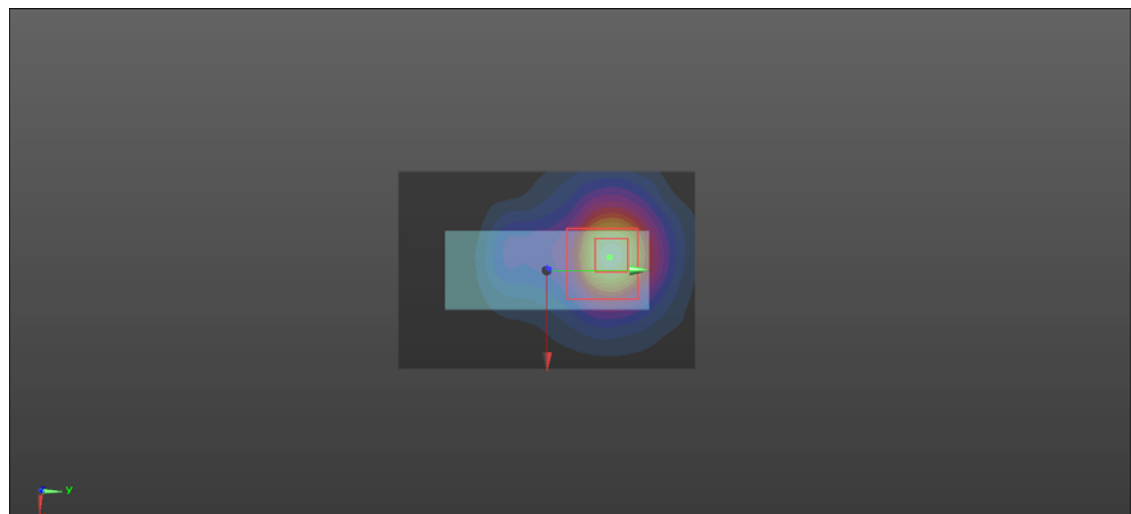
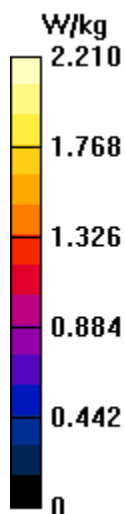
Peak SAR (extrapolated) = 4.05 W/kg

SAR(1 g) = 0.923 W/kg ; SAR(10 g) = 0.326 W/kg

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

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

Maximum value of SAR (measured) = 2.16 W/kg



86-1_802.11ac20_Ch149_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-3 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.539$ S/m; $\epsilon_r = 38.056$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.22 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 20.72 V/m; Power Drift = -0.05 dB

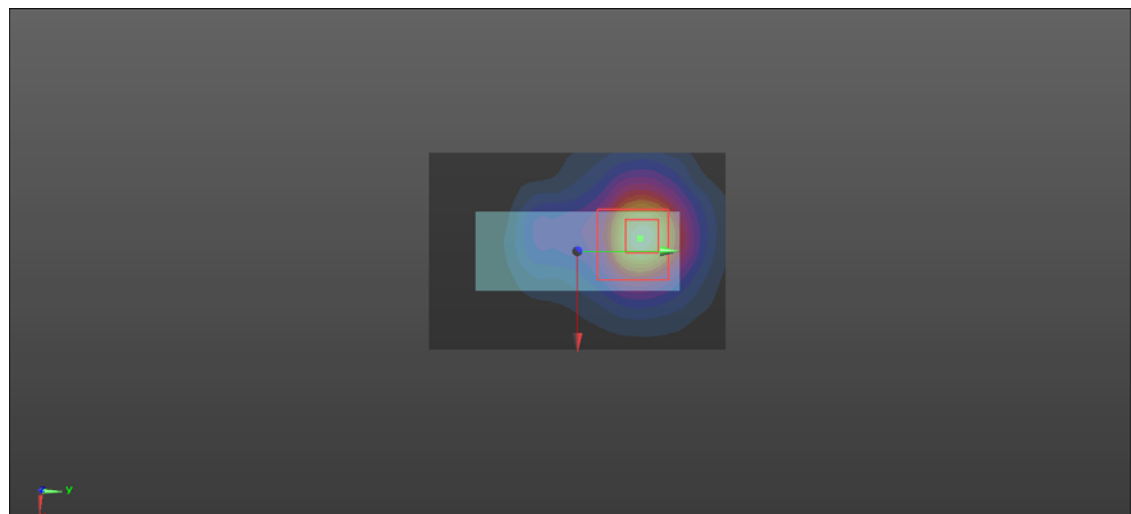
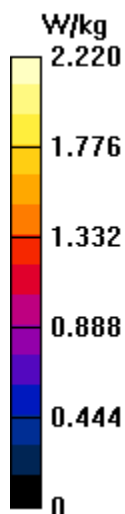
Peak SAR (extrapolated) = 4.10 W/kg

SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.320 W/kg

Smallest distance from peaks to all points 3 dB below = 12.9 mm

Ratio of SAR at M2 to SAR at M1 = 57.4%

Maximum value of SAR (measured) = 2.17 W/kg



87_802.11ac20_Ch165_Vertical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-3 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.658$ S/m; $\epsilon_r = 37.908$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5825 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.68 W/kg

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

Reference Value = 18.72 V/m; Power Drift = -0.12 dB

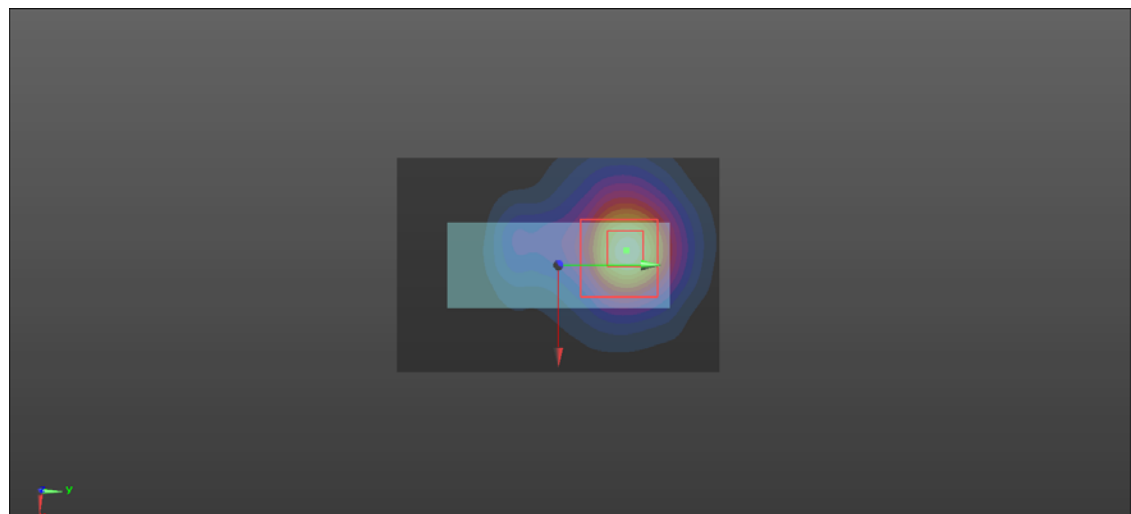
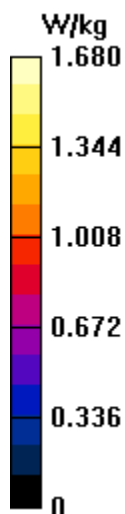
Peak SAR (extrapolated) = 3.18 W/kg

SAR(1 g) = 0.673 W/kg; SAR(10 g) = 0.233 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.6%

Maximum value of SAR (measured) = 1.66 W/kg



91_802.11a_Ch40_Horizontal Up_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.823$ S/m; $\epsilon_r = 38.933$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.37 W/kg

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

Reference Value = 16.54 V/m; Power Drift = -0.16 dB

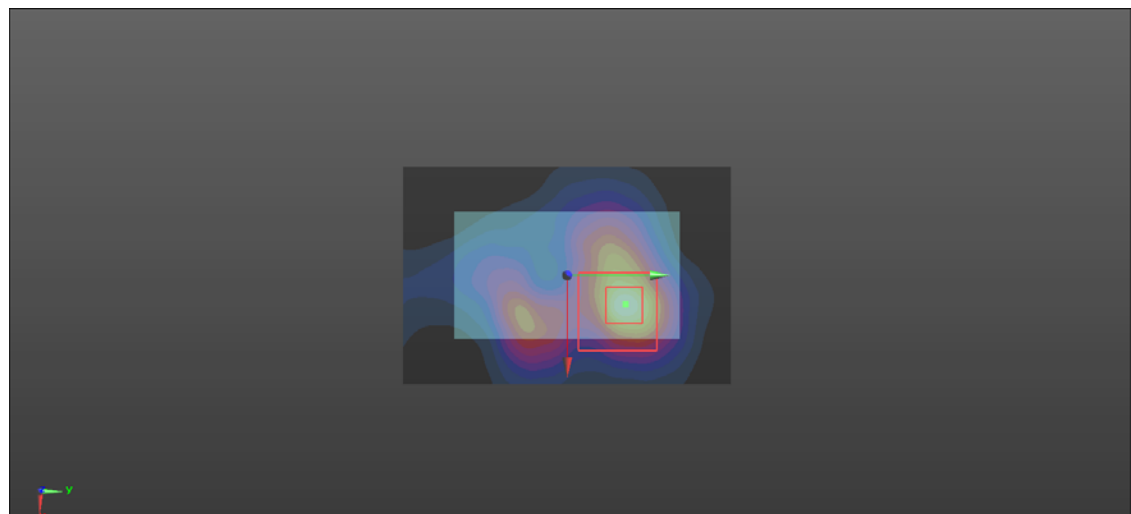
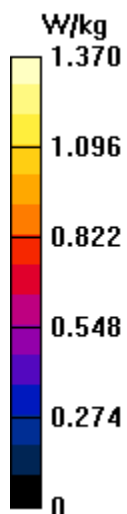
Peak SAR (extrapolated) = 2.42 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.190 W/kg

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

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

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



92_802.11a_Ch40_Horizontal Down_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.823$ S/m; $\epsilon_r = 38.933$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.281 W/kg

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

Reference Value = 6.921 V/m; Power Drift = -0.11 dB

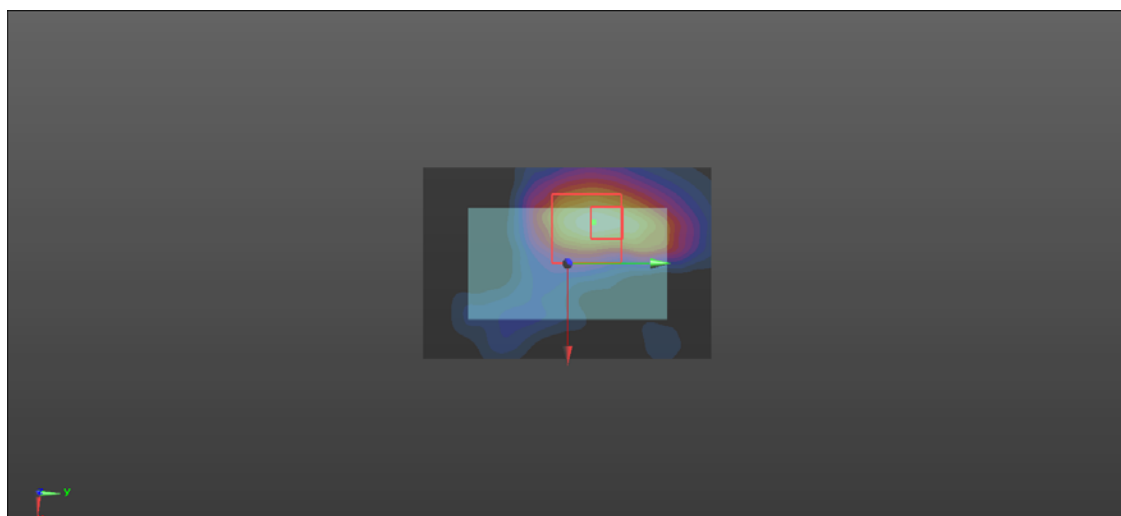
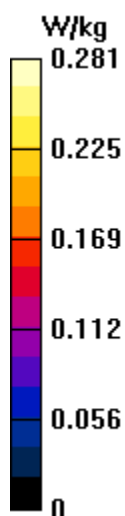
Peak SAR (extrapolated) = 0.432 W/kg

SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.035 W/kg

Smallest distance from peaks to all points 3 dB below = 11.1 mm

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

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



93_802.11a_Ch40_Veritical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.823$ S/m; $\epsilon_r = 38.933$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

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

Reference Value = 19.43 V/m; Power Drift = -0.19 dB

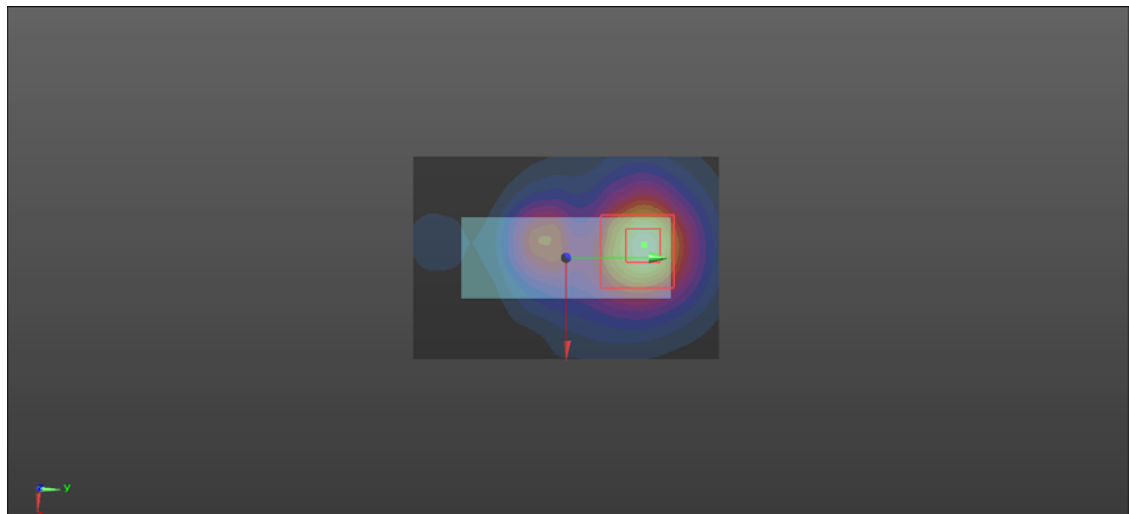
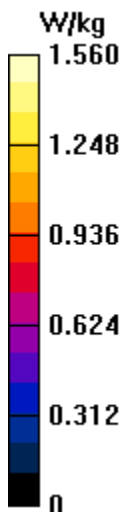
Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.256 W/kg

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

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

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



94_802.11a_Ch40_Vertical Back_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.823$ S/m; $\epsilon_r = 38.933$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.865 W/kg

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

Reference Value = 10.44 V/m; Power Drift = -0.12 dB

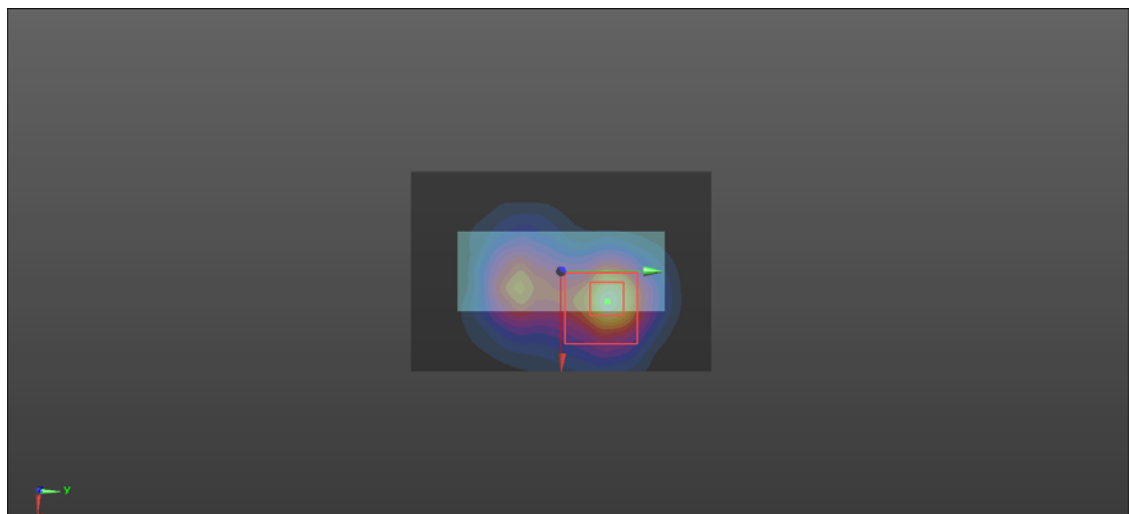
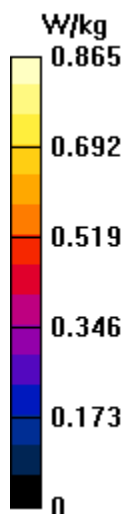
Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.116 W/kg

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

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

Maximum value of SAR (measured) = 0.878 W/kg



95_802.11a_Ch40_Tip_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5200$ MHz; $\sigma = 4.823$ S/m; $\epsilon_r = 38.933$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5200 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.538 W/kg

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

Reference Value = 11.37 V/m; Power Drift = -0.02 dB

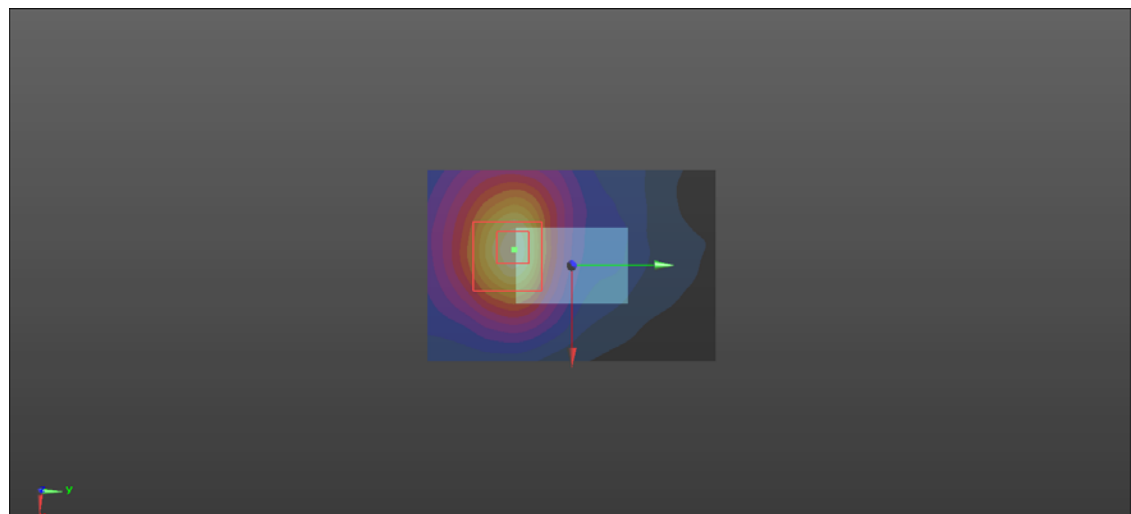
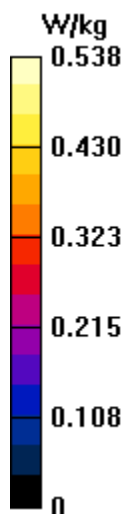
Peak SAR (extrapolated) = 0.968 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.091 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 60.4%

Maximum value of SAR (measured) = 0.537 W/kg



96_802.11a_Ch36_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5180$ MHz; $\sigma = 4.787$ S/m; $\epsilon_r = 38.977$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5180 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch36/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.43 W/kg

Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 18.70 V/m; Power Drift = -0.12 dB

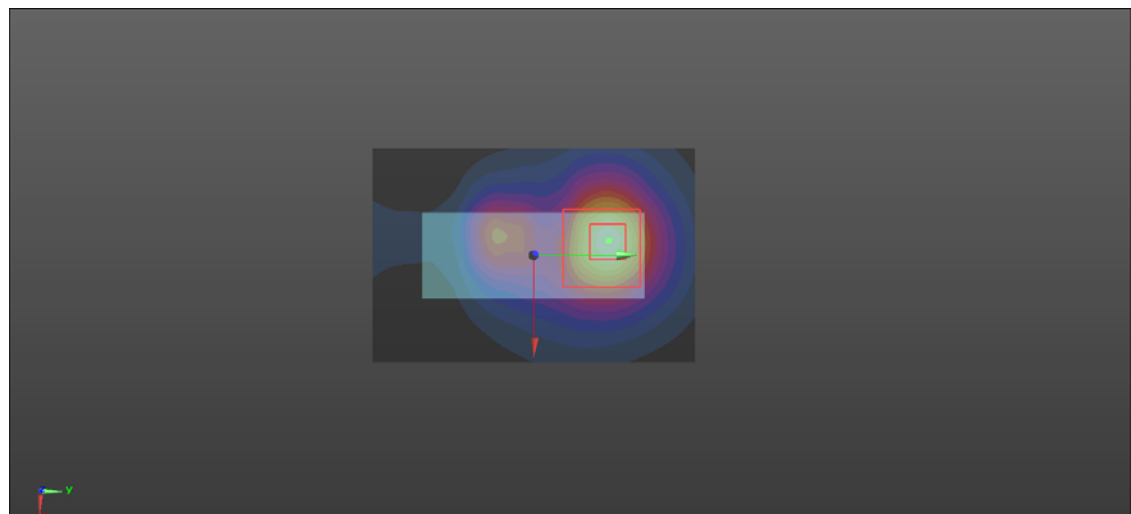
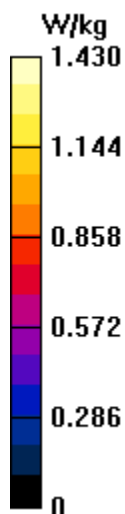
Peak SAR (extrapolated) = 2.47 W/kg

SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.228 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 59.8%

Maximum value of SAR (measured) = 1.36 W/kg



97_802.11a_Ch48_Vertical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.884$ S/m; $\epsilon_r = 38.833$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5240 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.75 W/kg

Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 20.39 V/m; Power Drift = -0.14 dB

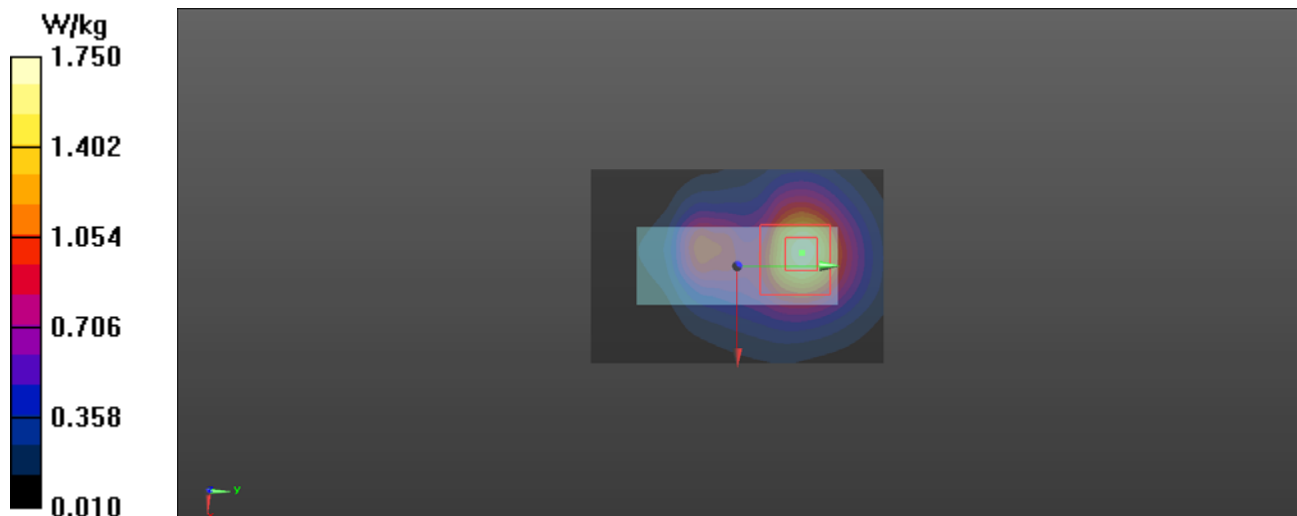
Peak SAR (extrapolated) = 3.13 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.290 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

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

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



101_802.11a_Ch157_Horizontal Up_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.623$ S/m; $\epsilon_r = 37.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.779 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.95 V/m; Power Drift = -0.15 dB

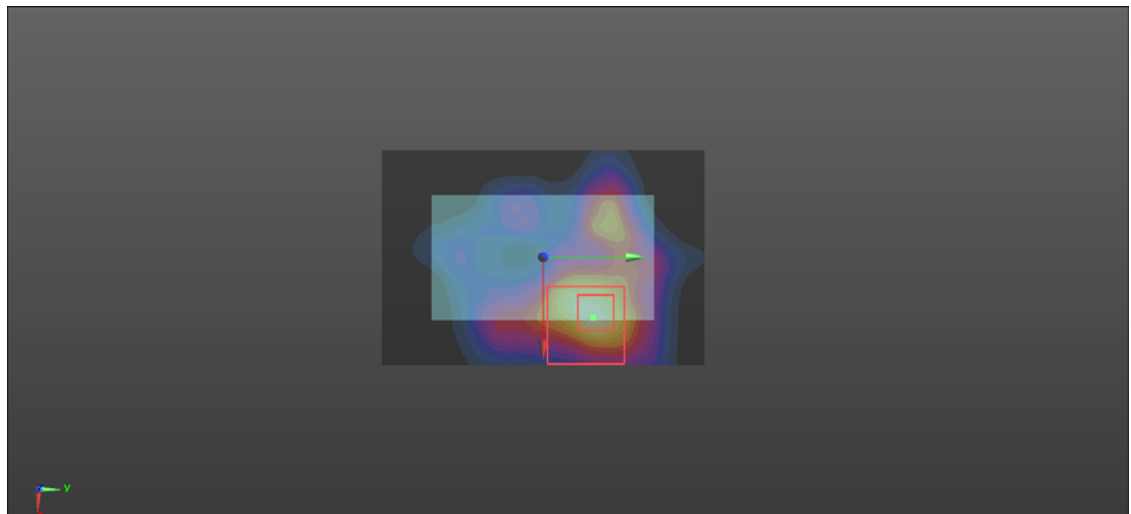
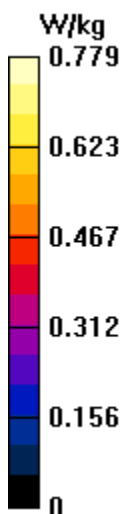
Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.096 W/kg

Smallest distance from peaks to all points 3 dB below = 9.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 0.793 W/kg



102_802.11a_Ch157_Horizontal Down_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.623$ S/m; $\epsilon_r = 37.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.252 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 4.743 V/m; Power Drift = -0.11 dB

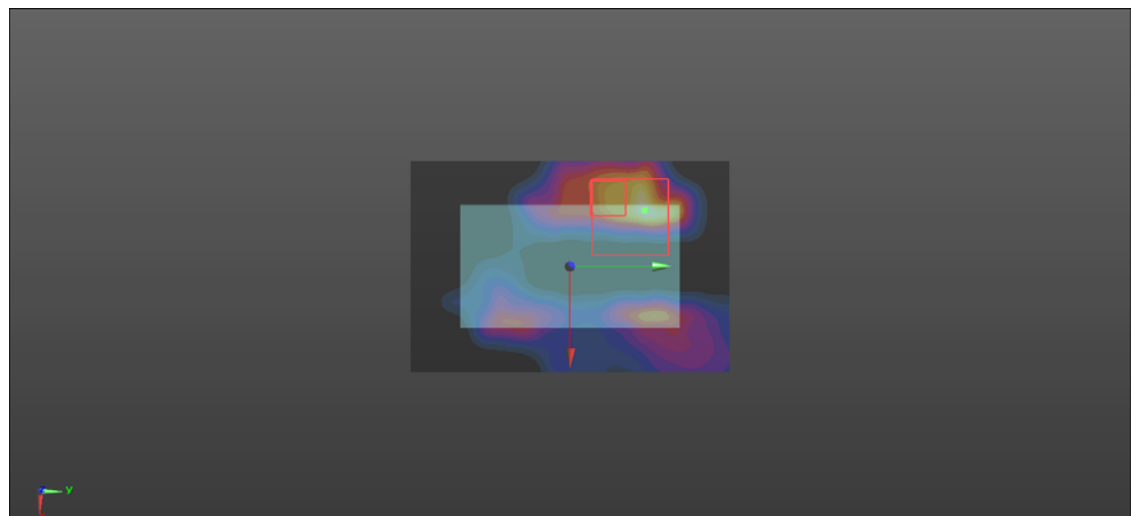
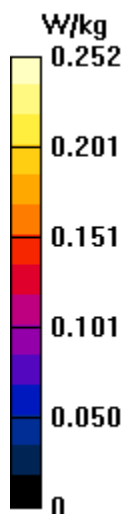
Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.015 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45.2%

Maximum value of SAR (measured) = 0.169 W/kg



103_802.11a_Ch157_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.623$ S/m; $\epsilon_r = 37.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.79 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.72 V/m; Power Drift = -0.20 dB

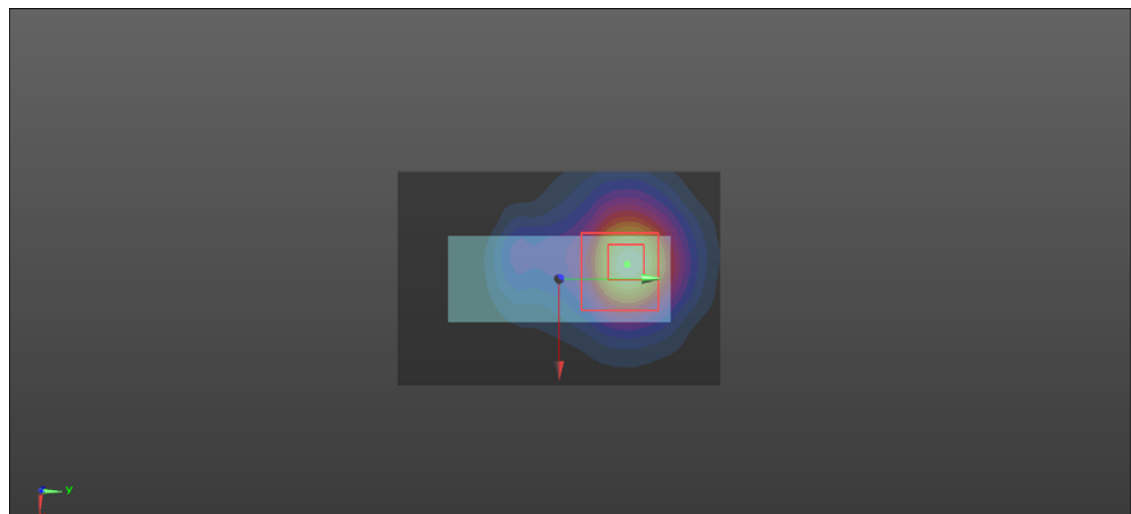
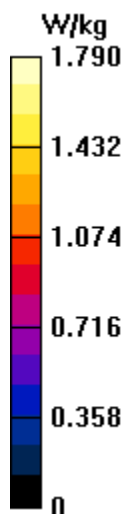
Peak SAR (extrapolated) = 3.45 W/kg

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.256 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 57.1%

Maximum value of SAR (measured) = 1.80 W/kg



104_802.11a_Ch157_Veritical Back_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.623$ S/m; $\epsilon_r = 37.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.422 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.041 V/m; Power Drift = -0.15 dB

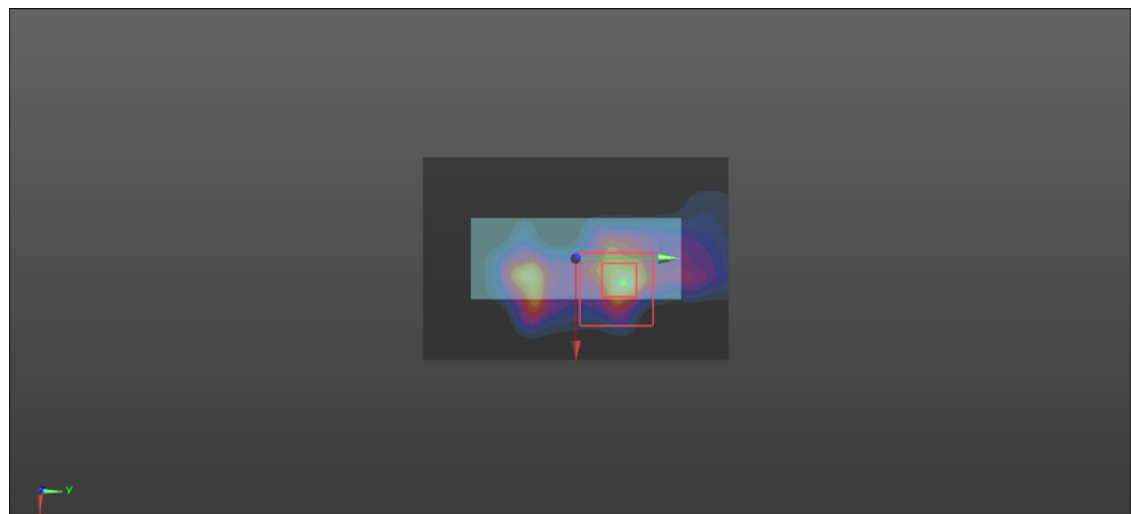
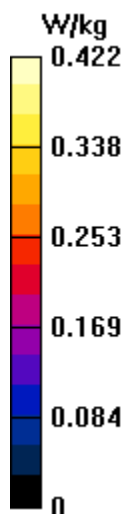
Peak SAR (extrapolated) = 0.646 W/kg

SAR(1 g) = 0.118 W/kg; SAR(10 g) = 0.032 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 50.8%

Maximum value of SAR (measured) = 0.372 W/kg



105_802.11a_Ch157_Tip_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.623$ S/m; $\epsilon_r = 37.73$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5785 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch157/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.597 W/kg

Ch157/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.667 V/m; Power Drift = -0.12 dB

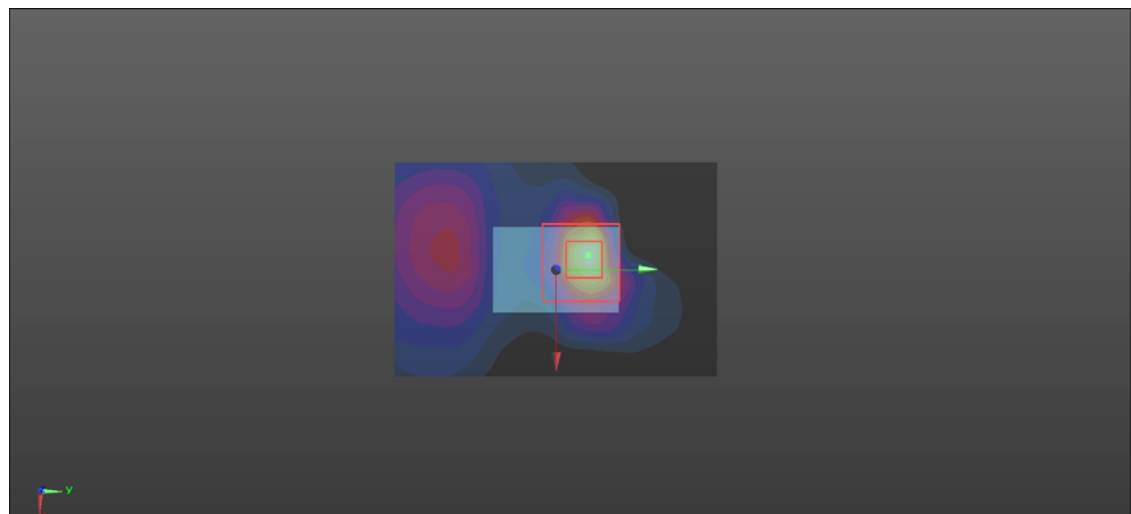
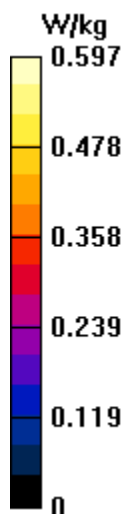
Peak SAR (extrapolated) = 0.849 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.057 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 0.482 W/kg



106_802.11a_Ch149_Vertical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5745$ MHz; $\sigma = 5.564$ S/m; $\epsilon_r = 37.758$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 19.84 V/m; Power Drift = -0.19 dB

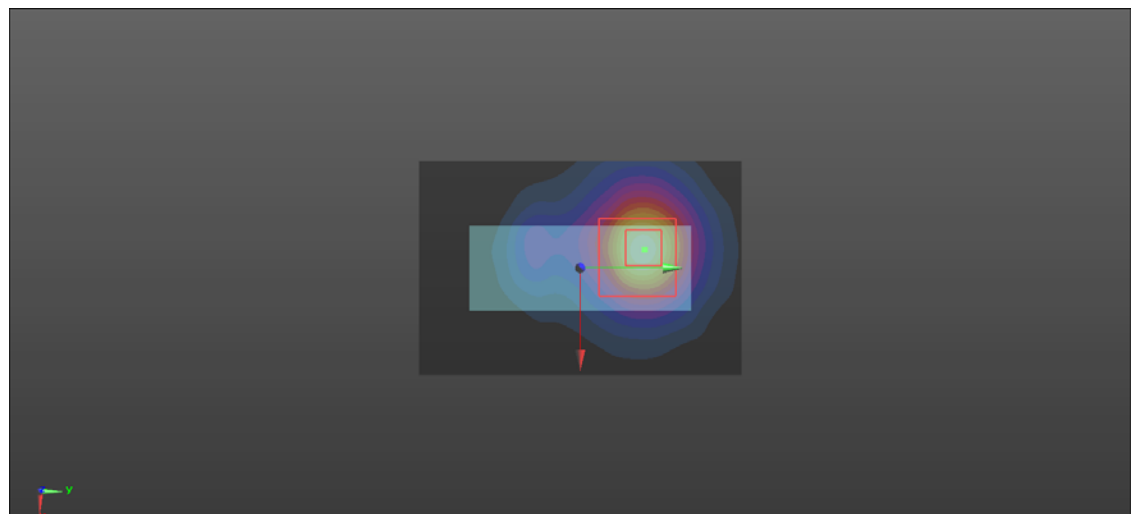
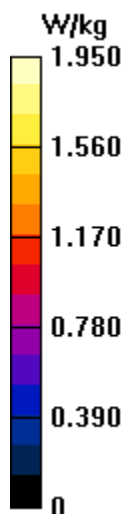
Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 0.808 W/kg; SAR(10 g) = 0.287 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.1%

Maximum value of SAR (measured) = 1.92 W/kg



106-1_802.11a_Ch149_Veritical Front_5mm

DUT: WiFiHU52E

Communication System: UID 0, WIFI (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium: HSL 5G-4 Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.564 \text{ S/m}$; $\epsilon_r = 37.758$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5745 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch149/Area Scan (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 1.89 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 19.80 V/m ; Power Drift = -0.02 dB

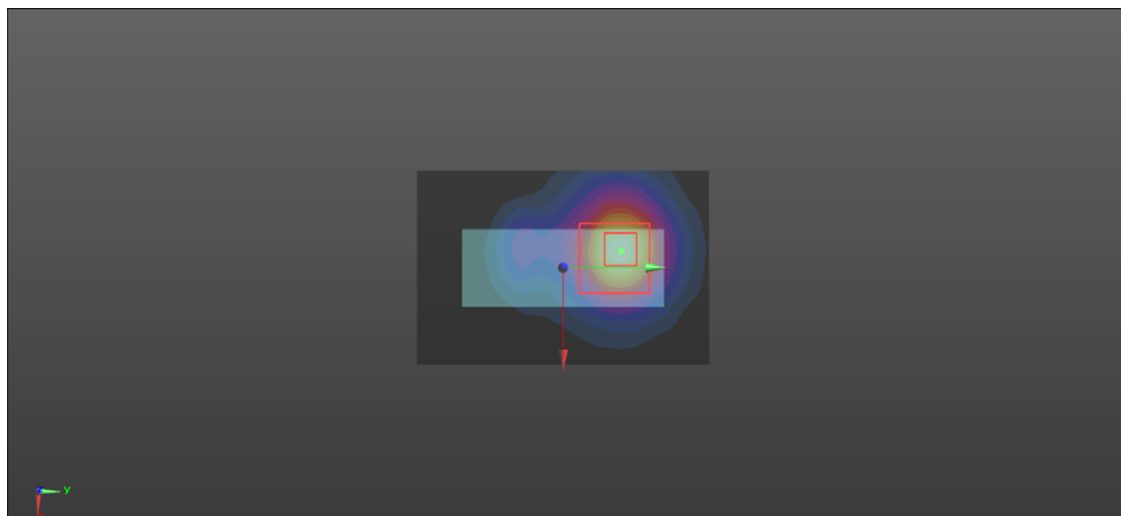
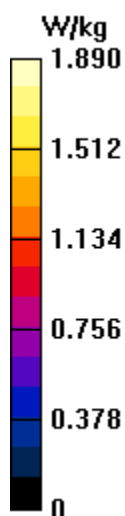
Peak SAR (extrapolated) = 3.72 W/kg

SAR(1 g) = 0.808 W/kg ; SAR(10 g) = 0.286 W/kg

Smallest distance from peaks to all points 3 dB below = 11.9 mm

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

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



107_802.11a_Ch165_Veritical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.682$ S/m; $\epsilon_r = 37.603$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5825 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch165/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 1.51 W/kg

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

Reference Value = 17.13 V/m; Power Drift = -0.15 dB

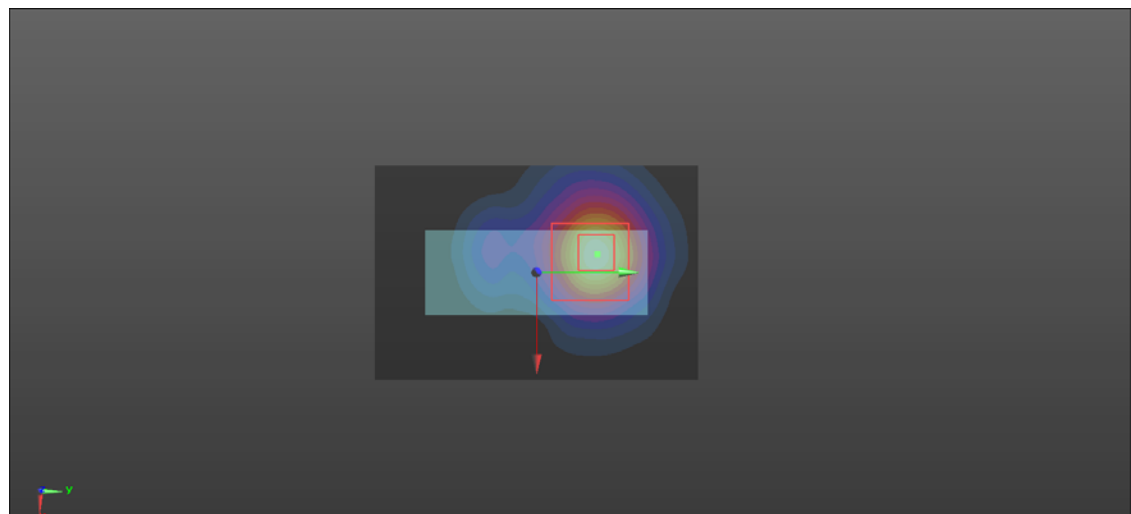
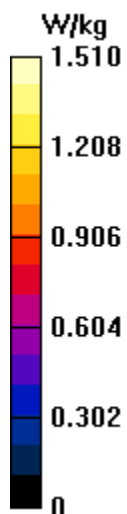
Peak SAR (extrapolated) = 2.94 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.215 W/kg

Smallest distance from peaks to all points 3 dB below = 11.9 mm

Ratio of SAR at M2 to SAR at M1 = 55.9%

Maximum value of SAR (measured) = 1.50 W/kg



111_802.11ac80_Ch42_Veritical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5210$ MHz; $\sigma = 4.833$ S/m; $\epsilon_r = 38.921$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.77, 5.49, 5.51) @ 5210 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch42/Area Scan (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.471 W/kg

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

Reference Value = 10.29 V/m; Power Drift = -0.06 dB

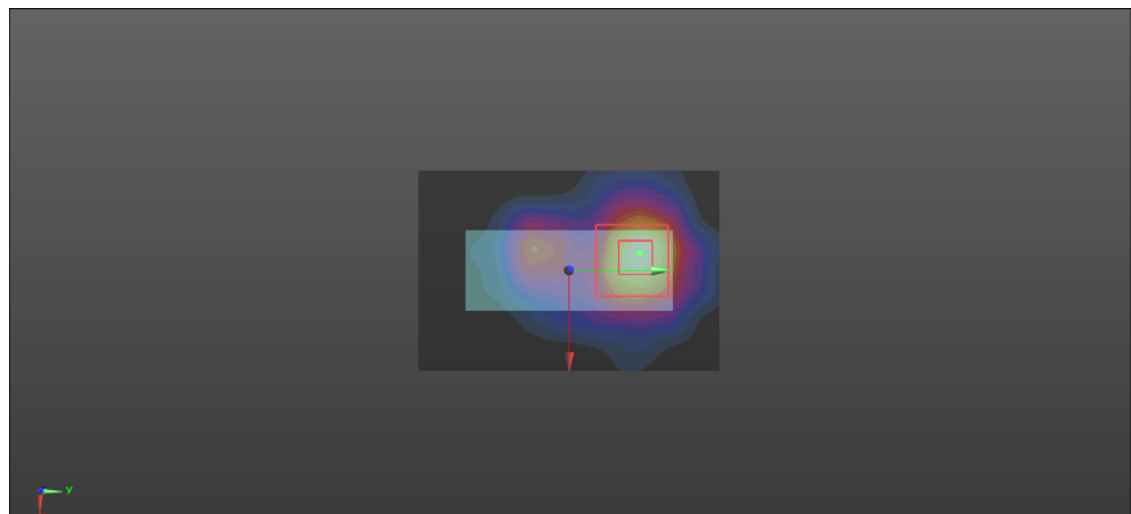
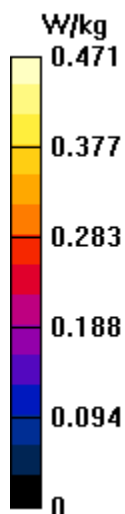
Peak SAR (extrapolated) = 0.865 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.070 W/kg

Smallest distance from peaks to all points 3 dB below = 11.9 mm

Ratio of SAR at M2 to SAR at M1 = 57.6%

Maximum value of SAR (measured) = 0.480 W/kg



112_802.11ac80_Ch155_Veritical Front_5mm

DUT: WiFiHU52E

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

Medium: HSL 5G-4 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.621$ S/m; $\epsilon_r = 37.736$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.01, 4.86, 4.91) @ 5775 MHz; Calibrated: 12/13/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/6/2023
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

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

Reference Value = 10.98 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.080 W/kg

Smallest distance from peaks to all points 3 dB below = 12.1 mm

Ratio of SAR at M2 to SAR at M1 = 54.1%

Maximum value of SAR (measured) = 0.611 W/kg

