

WiFi 2.4G

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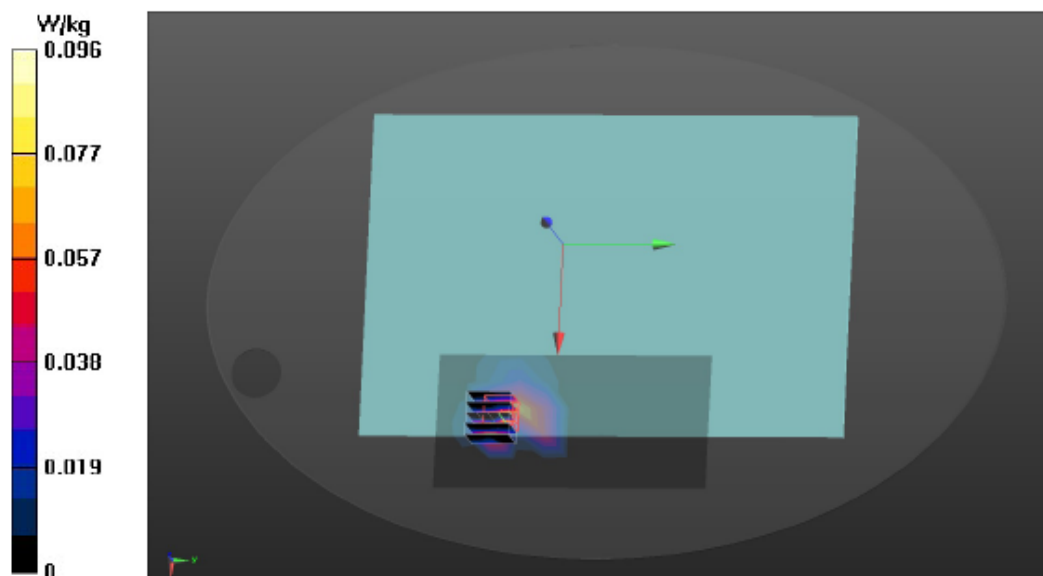
Date: 7/9/2022

Test Laboratory: Audix_SAR Lab

PI 802.11b CH7 2442MHz ant1 Screen**DUT: 16ZB90Q**Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2442$ MHz; $\sigma = 1.758$ S/m; $\epsilon_r = 38.623$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2442 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (6x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm
Maximum value of SAR (measured) = 0.0737 W/kg**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 0.1600 V/m; Power Drift = -1.04 dB
Peak SAR (extrapolated) = 0.148 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below = 8.6 mm
Ratio of SAR at M2 to SAR at M1 = 47.7%
Maximum value of SAR (measured) = 0.0957 W/kg

Date: 7/9/2022

Test Laboratory: Audix_SAR Lab

P3 802.11b CH7 2442MHz ant1 Bottom**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.758$ S/m; $\epsilon_r = 38.623$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2442 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (6x13x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.0226 W/kg

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

Reference Value = 0.1199 V/m; Power Drift = 0.16 dB

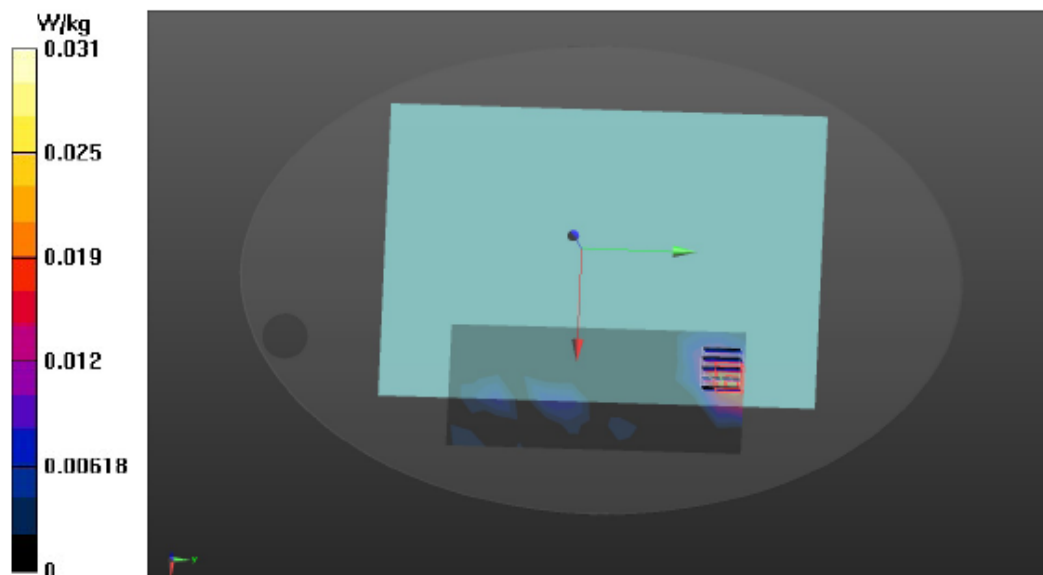
Peak SAR (extrapolated) = 0.0440 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.011 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 42%

Maximum value of SAR (measured) = 0.0309 W/kg



Date: 7/9/2022

Test Laboratory: Audix_SAR Lab

P2 802.11b CH7 2442MHz ant2 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.758$ S/m; $\epsilon_r = 38.623$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2442 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (6x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.690 W/kg

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

Reference Value = 3.419 V/m; Power Drift = 0.51 dB

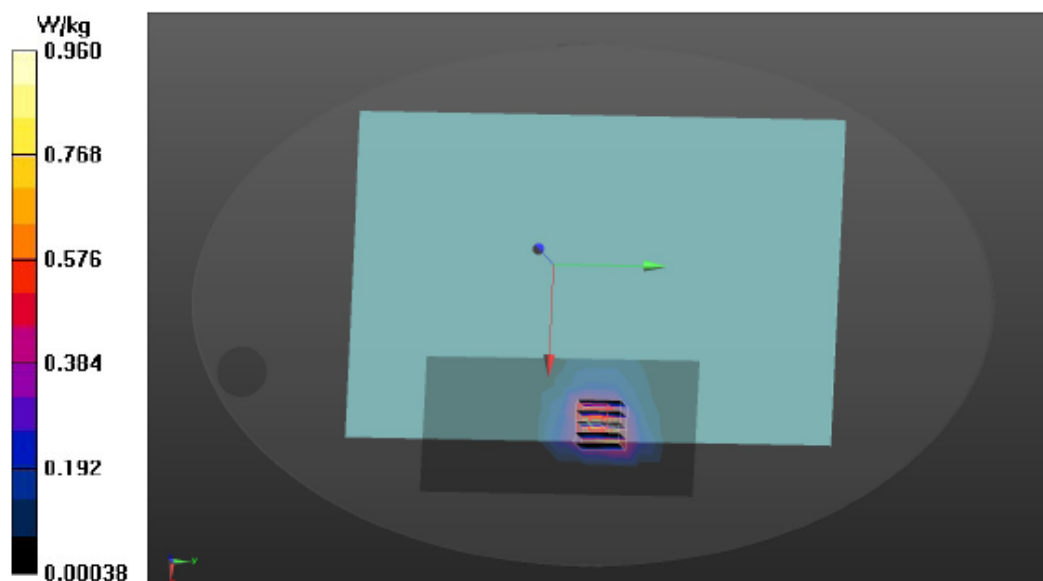
Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.690 W/kg; SAR(10 g) = 0.349 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 0.960 W/kg



Date: 7/9/2022

Test Laboratory: Audix_SAR Lab

P4 802.11b CH7 2442MHz ant2 Bottom**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.758$ S/m; $\epsilon_r = 38.623$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2442 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (6x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.104 W/kg

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

Reference Value = 0.1344 V/m; Power Drift = 1.14 dB

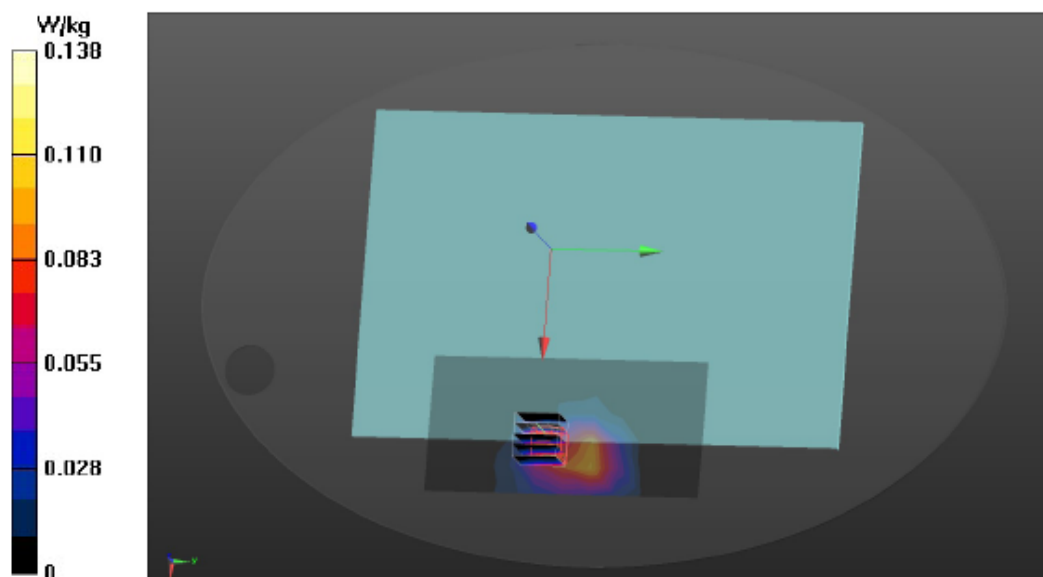
Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.040 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1 mm

Ratio of SAR at M2 to SAR at M1 = 47%

Maximum value of SAR (measured) = 0.138 W/kg



Bluetooth

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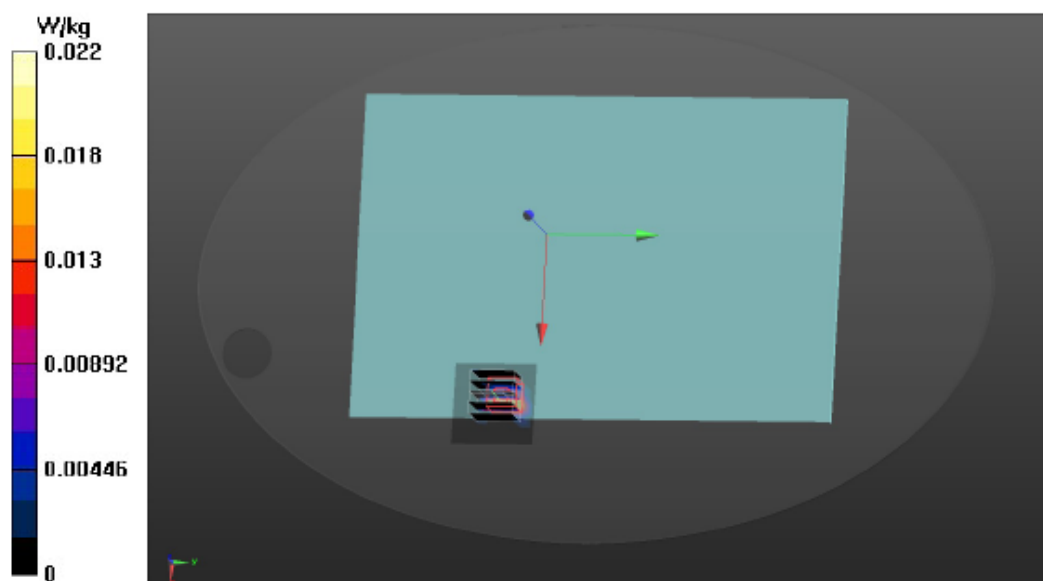
Date: 7/9/2022

Test Laboratory: Audix_SAR Lab

P15 GFSK CH78 2480MHz Screen**DUT: 16ZB90Q**Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 38.58$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2480 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.0257 W/kg**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 0.1330 V/m; Power Drift = 0.21 dB
Peak SAR (extrapolated) = 0.0260 W/kg
SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00291 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 = 38.8%
Maximum value of SAR (measured) = 0.0223 W/kg

Date: 7/9/2022

Test Laboratory: Audix_SAR Lab

P16 GFSK CH78 2480MHz Bottom

DUT: 16ZB90Q

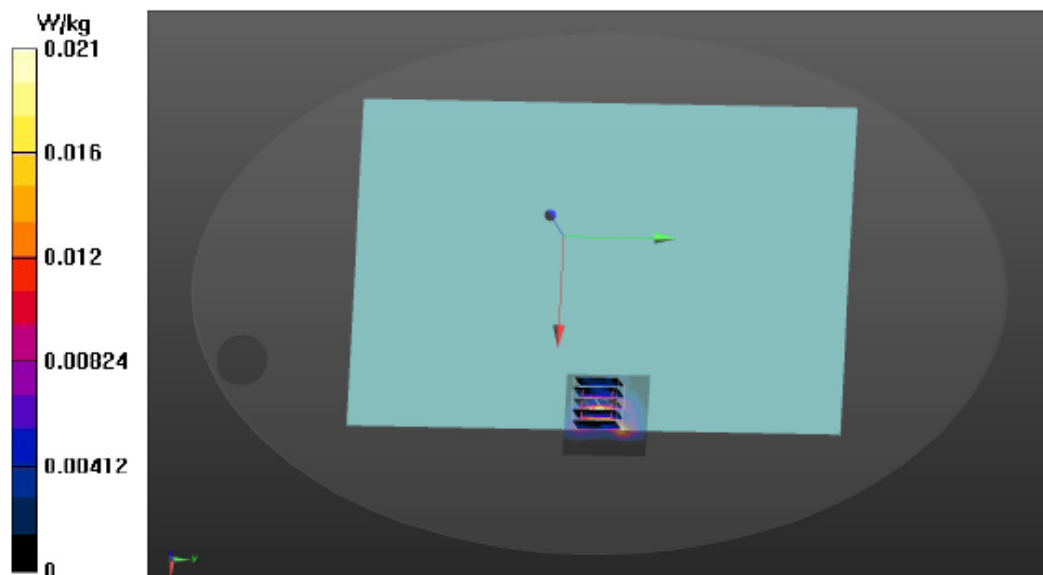
Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.809$ S/m; $\epsilon_r = 38.58$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2480 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (measured) = 0.0219 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 0.4340 V/m; Power Drift = -0.47 dB
Peak SAR (extrapolated) = 0.0280 W/kg
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00186 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 = 73.4%
Maximum value of SAR (measured) = 0.0206 W/kg



WiFi 5G

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Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P5 802.11a CH64 5320MHz ant1 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.877$ S/m; $\epsilon_r = 35.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(5.15, 5.15, 5.15) @ 5320 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.120 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.4241 V/m; Power Drift = 0.23 dB

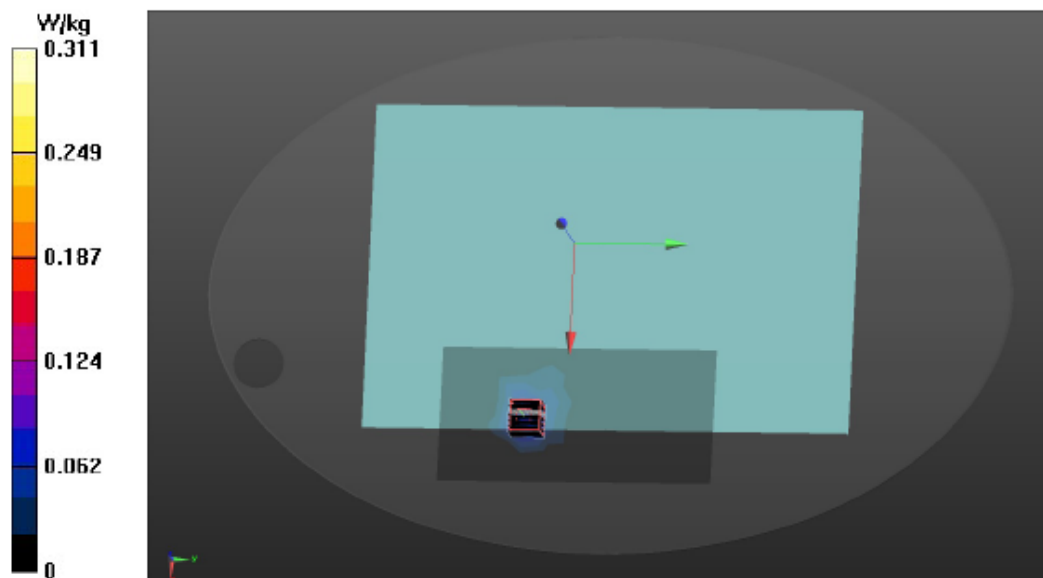
Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.038 W/kg

Smallest distance from peaks to all points 3 dB below = 4.7 mm

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

Maximum value of SAR (measured) = 0.311 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P7 802.11a CHI100 5500MHz ant1 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.106$ S/m; $\epsilon_r = 35.267$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.85, 4.85, 4.85) @ 5500 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (6x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.427 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.9610 V/m; Power Drift = -0.62 dB

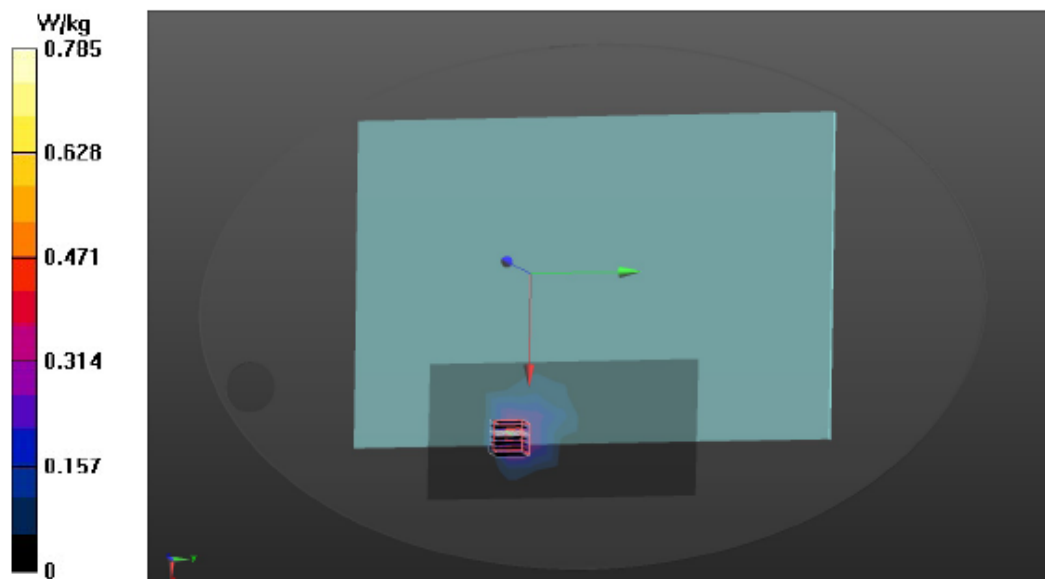
Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.125 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 56.2%

Maximum value of SAR (measured) = 0.785 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P9 802.11a CHI57 5785MHz ant1 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.472$ S/m; $\epsilon_r = 34.644$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5785 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.702 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.1650 V/m; Power Drift = 0.61 dB

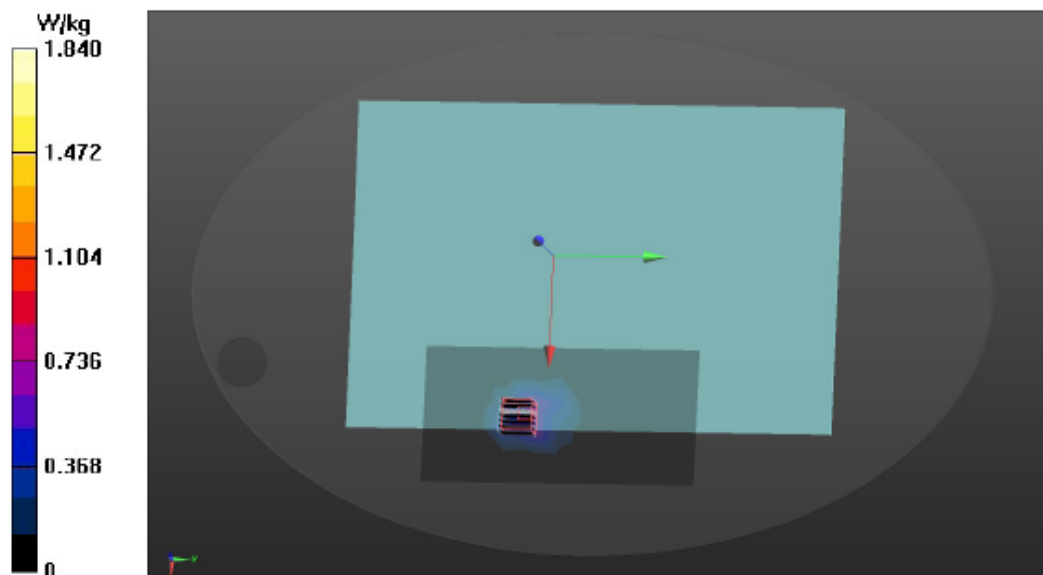
Peak SAR (extrapolated) = 5.36 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.197 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.6%

Maximum value of SAR (measured) = 1.84 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P11 802.11a CH157 5785MHz ant1 Bottom**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.472 \text{ S/m}$; $\epsilon_r = 34.644$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5785 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.438 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.4551 V/m; Power Drift = 0.42 dB

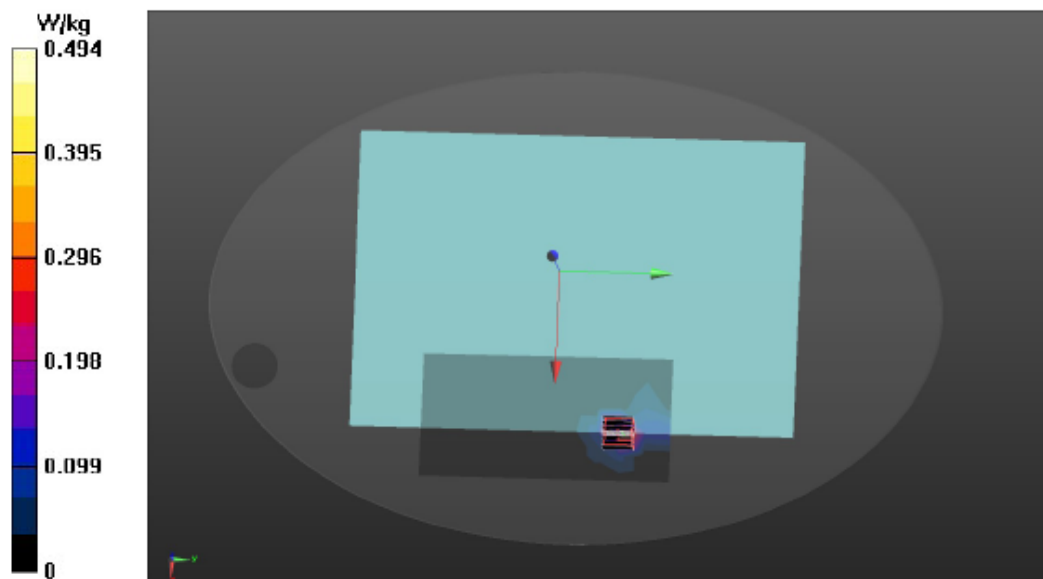
Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.071 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 52.9%

Maximum value of SAR (measured) = 0.494 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P6 802.11a CH64 5320MHz ant2 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.877$ S/m; $\epsilon_r = 35.641$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(5.15, 5.15, 5.15) @ 5320 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.529 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.7650 V/m; Power Drift = 1.80 dB

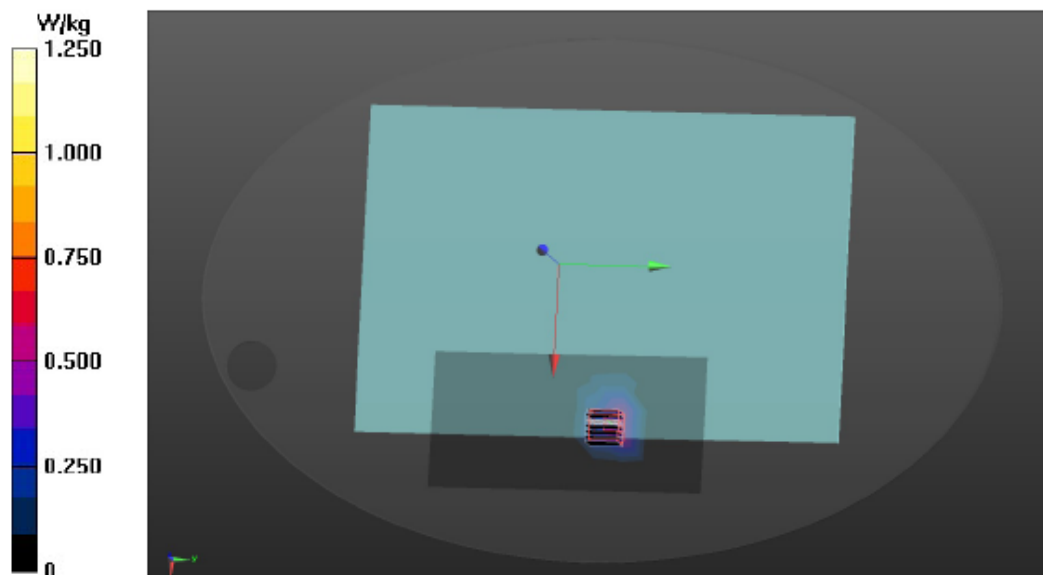
Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.188 W/kg

Smallest distance from peaks to all points 3 dB below = 6.8 mm

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

Maximum value of SAR (measured) = 1.25 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P8 802.11a CHI100 5500MHz ant2 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.106$ S/m; $\epsilon_r = 35.267$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.85, 4.85, 4.85) @ 5500 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.724 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.068 V/m; Power Drift = -0.07 dB

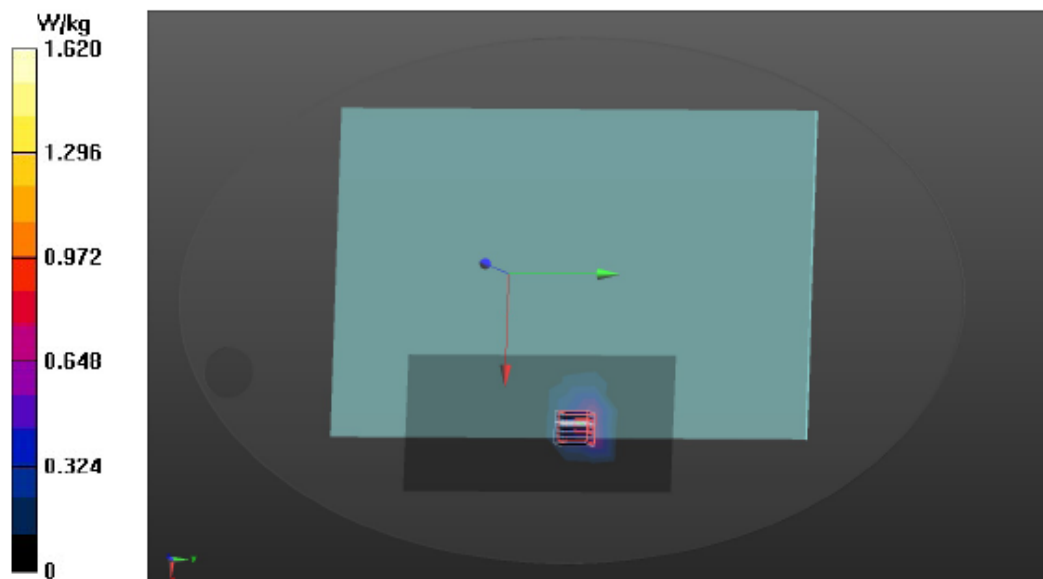
Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 0.793 W/kg; SAR(10 g) = 0.242 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 55%

Maximum value of SAR (measured) = 1.62 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P10 802.11a CH157 5785MHz ant2 Screen**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.472$ S/m; $\epsilon_r = 34.644$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5785 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.752 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.8700 V/m; Power Drift = -0.21 dB

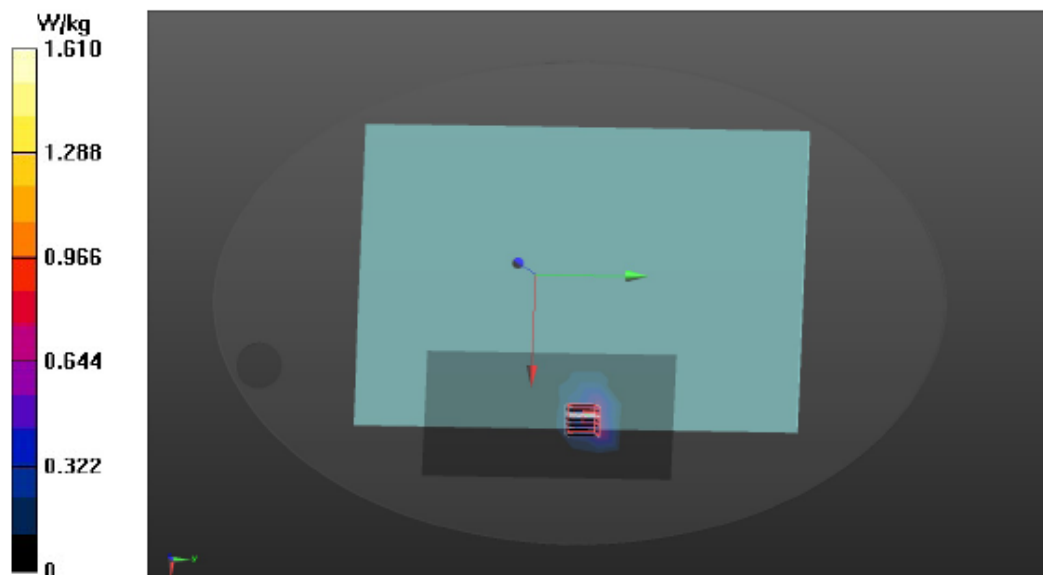
Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.230 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

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

Maximum value of SAR (measured) = 1.61 W/kg



Date: 7/8/2022

Test Laboratory: Audix_SAR Lab

P12 802.11a CH157 5785MHz ant2 Bottom**DUT: 16ZB90Q**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.472$ S/m; $\epsilon_r = 34.644$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5785 MHz; Calibrated: 9/24/2021
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1337; Calibrated: 3/29/2022
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1170
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (11x21x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.498 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.2844 V/m; Power Drift = 0.74 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.091 W/kg

Smallest distance from peaks to all points 3 dB below = 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 53.8%

Maximum value of SAR (measured) = 0.532 W/kg

