

WiFi 2.4G/Bluetooth

Test SKU: SKU #1 (with INPAQ Antenna)

Date: 5/11/2022

Test Laboratory: Audix_SAR Lab

P13 802.11b CH7 2442MHz ant1 Bottom**DUT: 16Z90Q(INPAQ)**

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

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.756$ S/m; $\epsilon_r = 37.56$; $\rho = 1000$ 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 (7x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.0607 W/kg

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

Reference Value = 0.2990 V/m; Power Drift = 0.16 dB

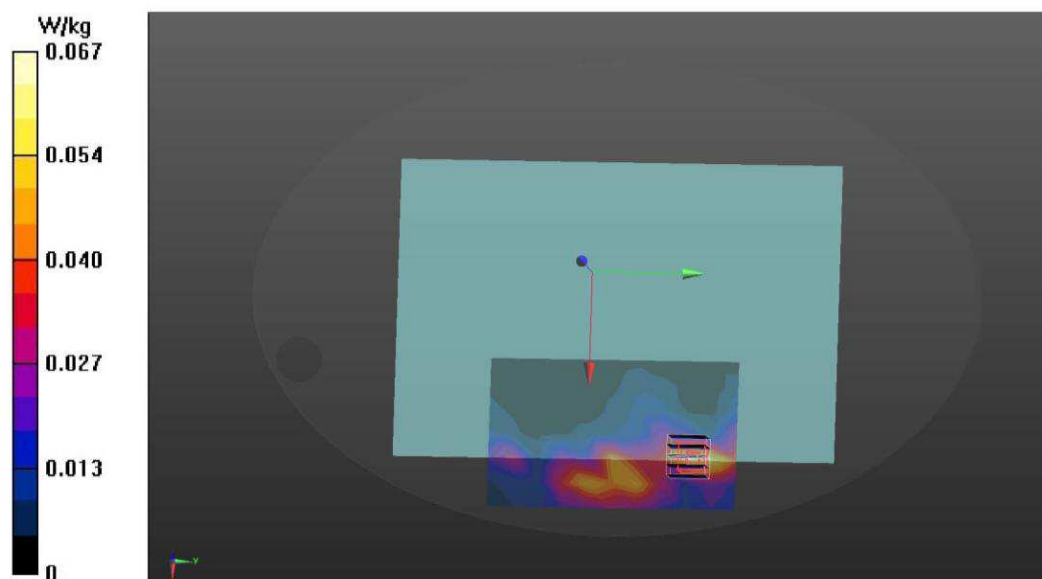
Peak SAR (extrapolated) = 0.0840 W/kg

SAR(1 g) = 0.0408 W/kg; SAR(10 g) = 0.0181 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 = 49.6%

Maximum value of SAR (measured) = 0.0671 W/kg



Date: 5/11/2022

Test Laboratory: Audix_SAR Lab

P3 802.11b CH7 2442MHz ant1 Screen**DUT: 16Z90Q(INPAQ)**

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

Medium parameters used: $f = 2442 \text{ MHz}$; $\sigma = 1.756 \text{ S/m}$; $\epsilon_r = 37.56$; $\rho = 1000 \text{ kg/m}^3$

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 (5x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.255 W/kg

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

Reference Value = 1.676 V/m; Power Drift = -0.19 dB

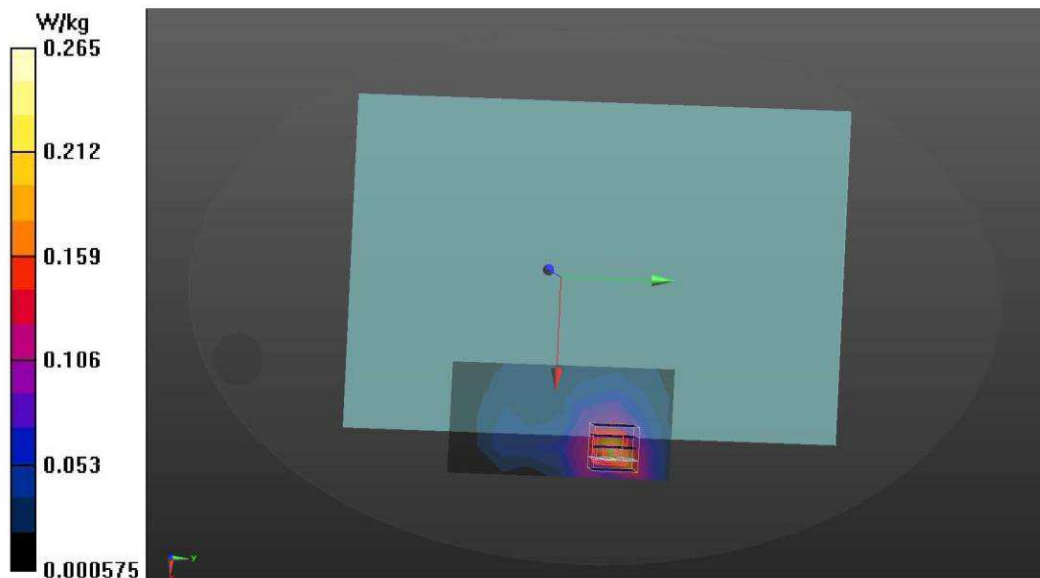
Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.0998 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 54.8%

Maximum value of SAR (measured) = 0.265 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P13 802.11b CH11 2462MHz ant1 Bottom**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2442$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 37.525$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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 (7x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm
Maximum value of SAR (measured) = 0.0620 W/kg

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

Reference Value = 0.3140 V/m; Power Drift = 0.36 dB

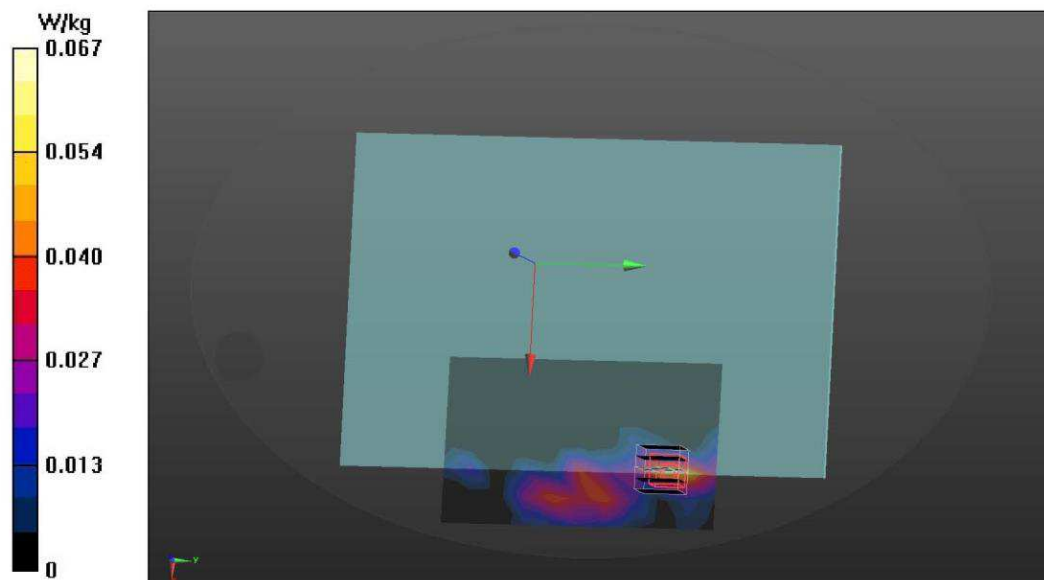
Peak SAR (extrapolated) = 0.0850 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.0188 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 = 50.6%

Maximum value of SAR (measured) = 0.0674 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P3 802.11b CH11 2462MHz ant1 Screen**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 37.525$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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 (5x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.260 W/kg

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

Reference Value = 1.692 V/m; Power Drift = 0.17 dB

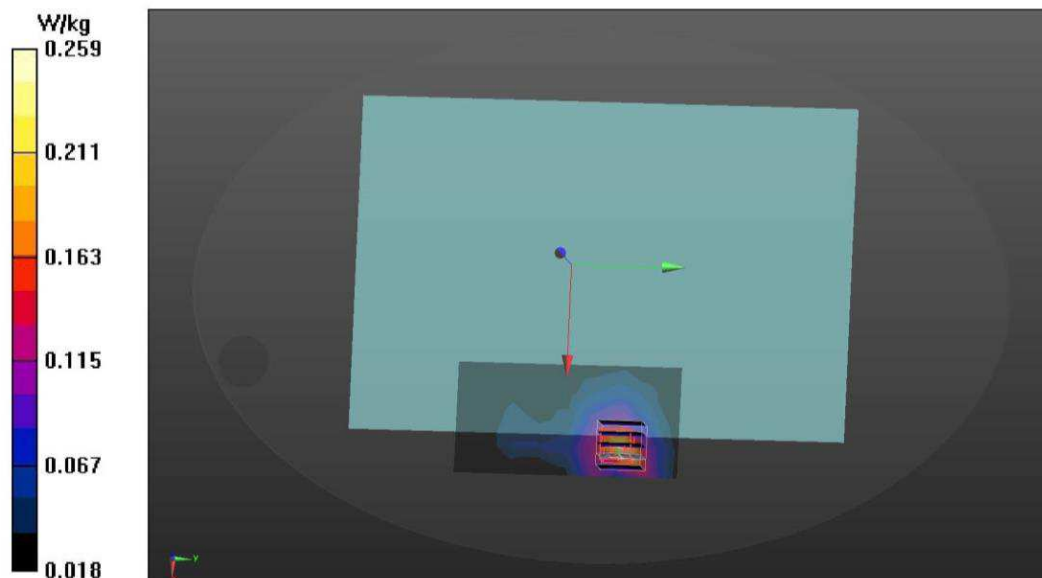
Peak SAR (extrapolated) = 0.388 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.101 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.8%

Maximum value of SAR (measured) = 0.259 W/kg



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Date: 5/11/2022

Test Laboratory: Audix_SAR Lab

P14 802.11b CH7 2442MHz ant2 Bottom**DUT: 16Z90Q(INPAQ)**

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

Medium parameters used: $f = 2442 \text{ MHz}$; $\sigma = 1.756 \text{ S/m}$; $\epsilon_r = 37.56$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.121 W/kg

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

Reference Value = 1.159 V/m; Power Drift = 0.13 dB

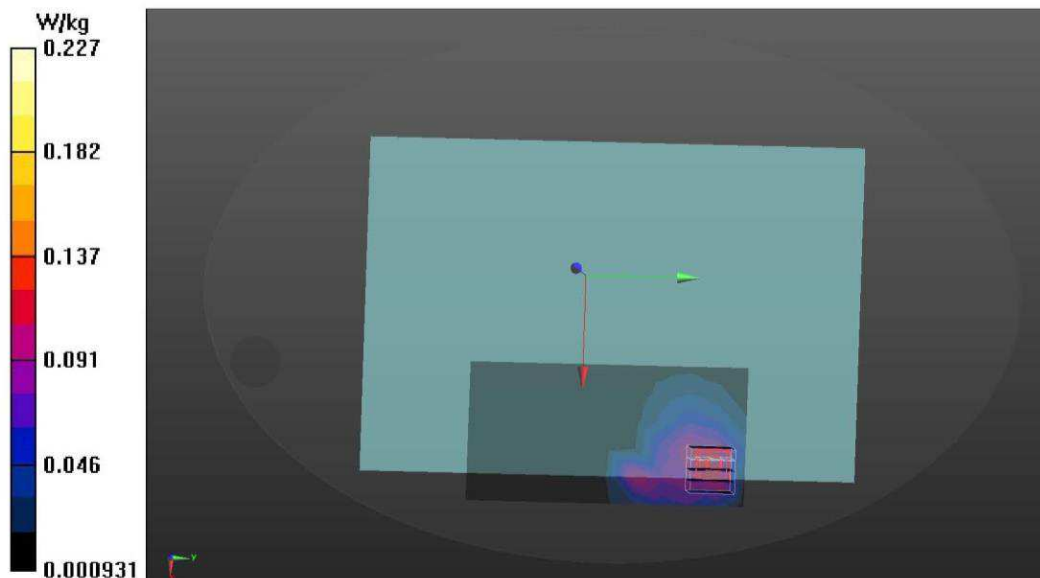
Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.0639 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 45.5%

Maximum value of SAR (measured) = 0.227 W/kg



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Date: 5/11/2022

Test Laboratory: Audix_SAR Lab

P4 802.11b CH7 2442MHz ant2 Screen**DUT: 16Z90Q(INPAQ)**

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

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.756$ S/m; $\epsilon_r = 37.56$; $\rho = 1000$ 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 (5x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.579 W/kg

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

Reference Value = 2.440 V/m; Power Drift = 0.08 dB

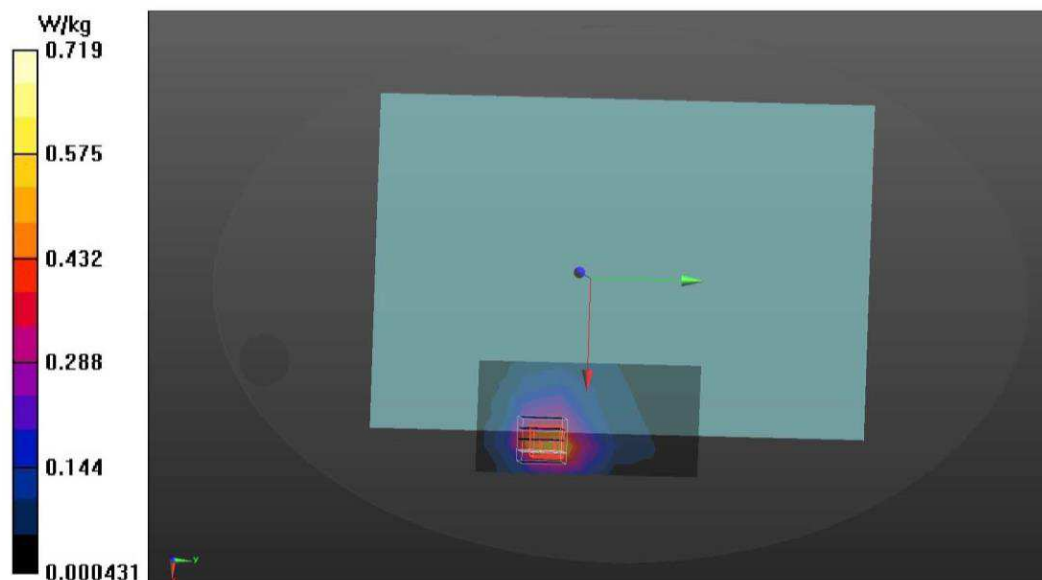
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.278 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 54.2%

Maximum value of SAR (measured) = 0.719 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P14 802.11b CH11 2462MHz ant2 Bottom**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 37.525$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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) = 0.135 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm Reference Value = 1.166 V/m; Power Drift = 0.10 dB

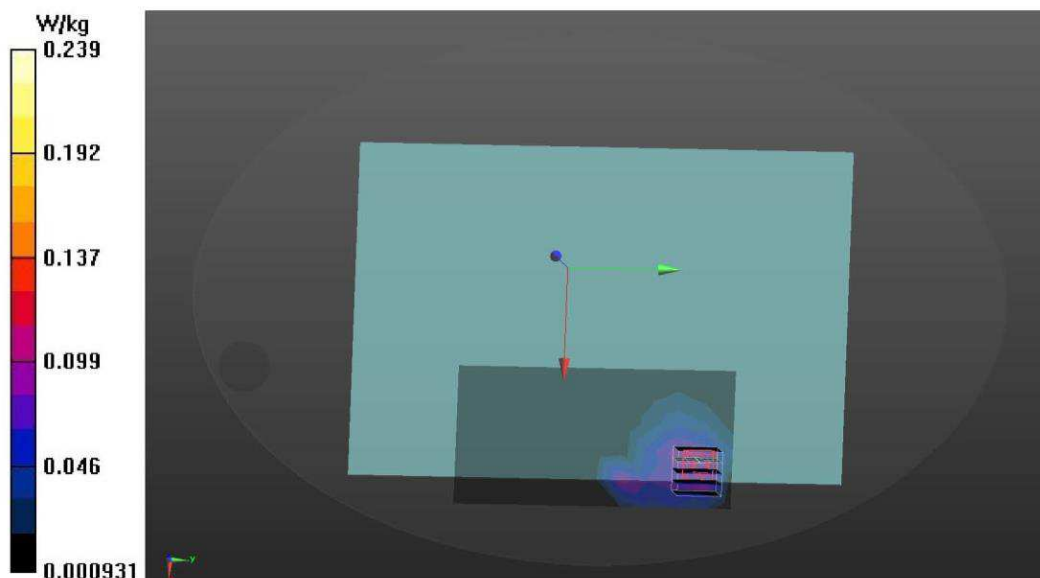
Peak SAR (extrapolated) = 0.344 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.0647 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 46.1%

Maximum value of SAR (measured) = 0.239 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P4 802.11b CH11 2462MHz ant2 Screen**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.782 \text{ S/m}$; $\epsilon_r = 37.525$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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 (5x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.585 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 2.451 V/m; Power Drift = 0.18 dB

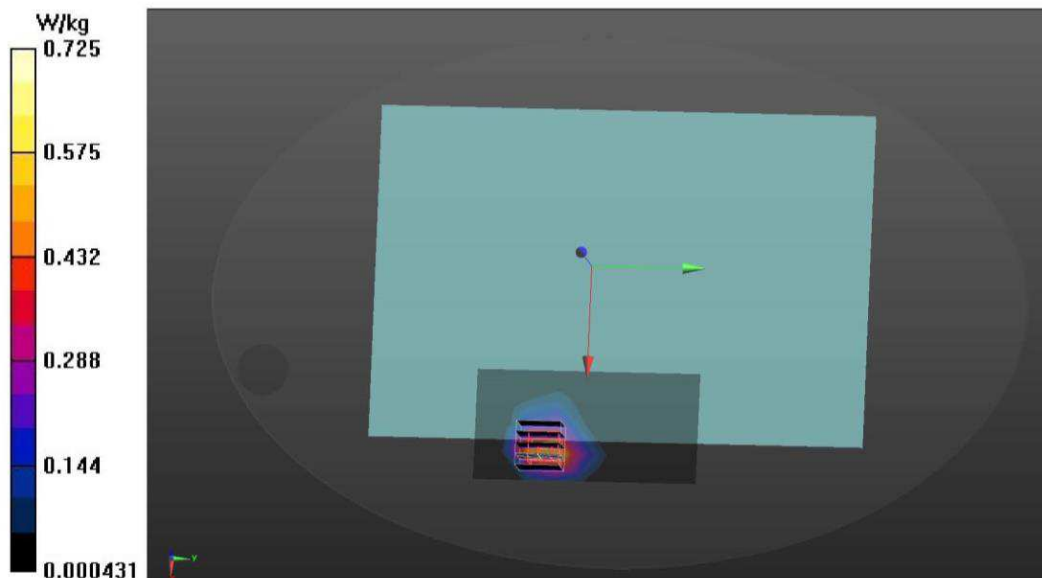
Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.282 W/kg

Smallest distance from peaks to all points 3 dB below = 9.1 mm

Ratio of SAR at M2 to SAR at M1 = 52.2%

Maximum value of SAR (measured) = 0.725 W/kg



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Date: 5/11/2022

Test Laboratory: Audix_SAR Lab

P15 GFSK CH39 2441MHz Bottom**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 37.562$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2441 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 (7x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.0116 W/kg

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

Reference Value = 0.8544 V/m; Power Drift = 0.12 dB

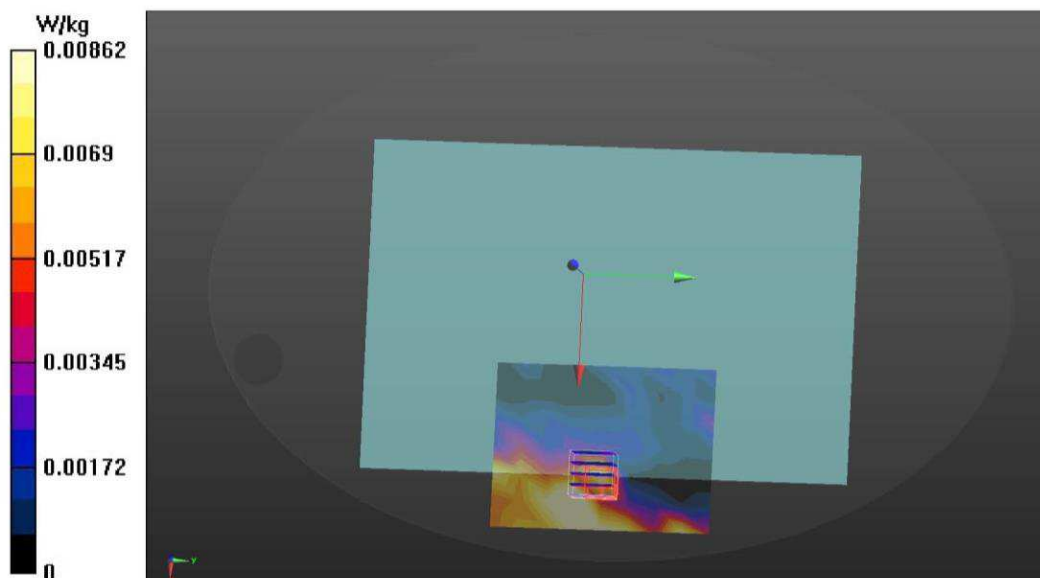
Peak SAR (extrapolated) = 0.0130 W/kg

SAR(1 g) = 0.00583 W/kg; SAR(10 g) = 0.00335 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 = 77.2%

Maximum value of SAR (measured) = 0.00862 W/kg



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Date: 5/11/2022

Test Laboratory: Audix_SAR Lab

P5 GFSK CH39 2441MHz Screen**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 37.562$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2441 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 (5x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.0119 W/kg

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

Reference Value = 0.9290 V/m; Power Drift = -0.03 dB

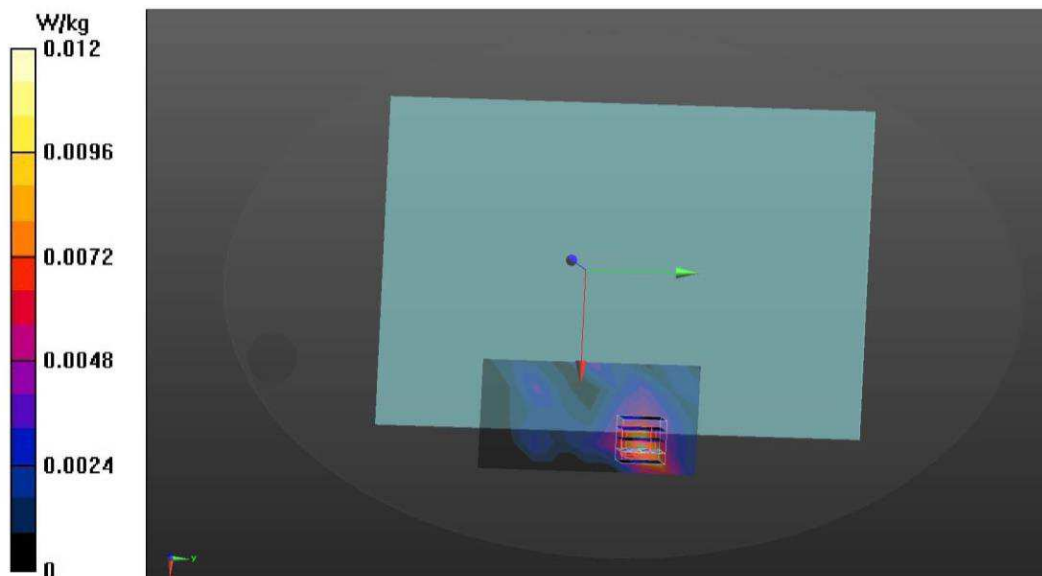
Peak SAR (extrapolated) = 0.0190 W/kg

SAR(1 g) = 0.00856 W/kg; SAR(10 g) = 0.00342 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 74.4%

Maximum value of SAR (measured) = 0.0120 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P15 GFSK CH78 2480MHz Bottom**DUT: 16Z90Q(INPAQ)**

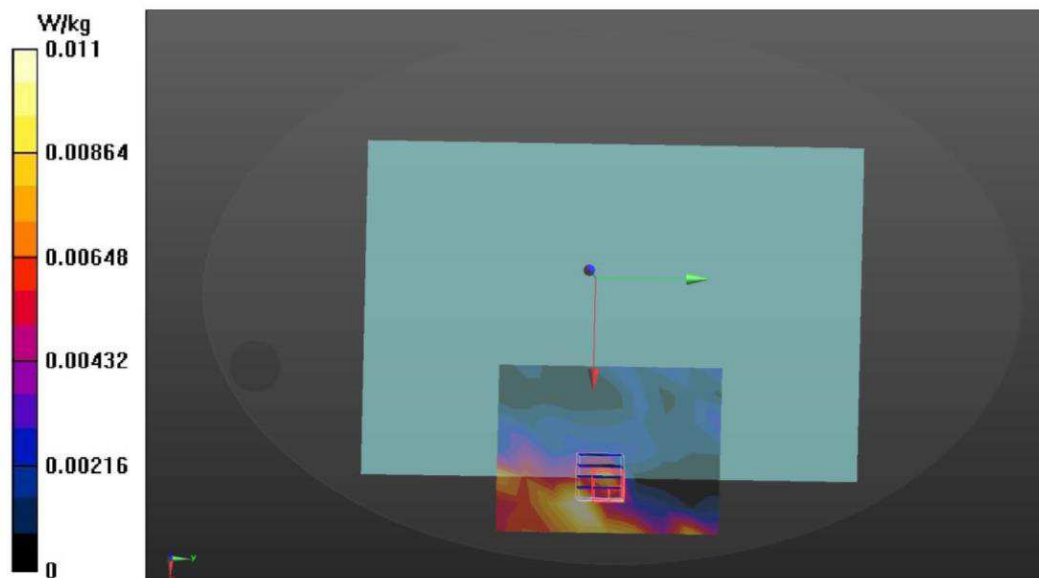
Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 37.52$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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 (7x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm
Maximum value of SAR (measured) = 0.0125 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 0.8768 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.0142 W/kg
SAR(1 g) = 0.00594 W/kg; SAR(10 g) = 0.00347 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 = 75.7%
Maximum value of SAR (measured) = 0.0111 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P5 GFSK CH78 2480MHz Screen**DUT: 16Z90Q(INPAQ)**

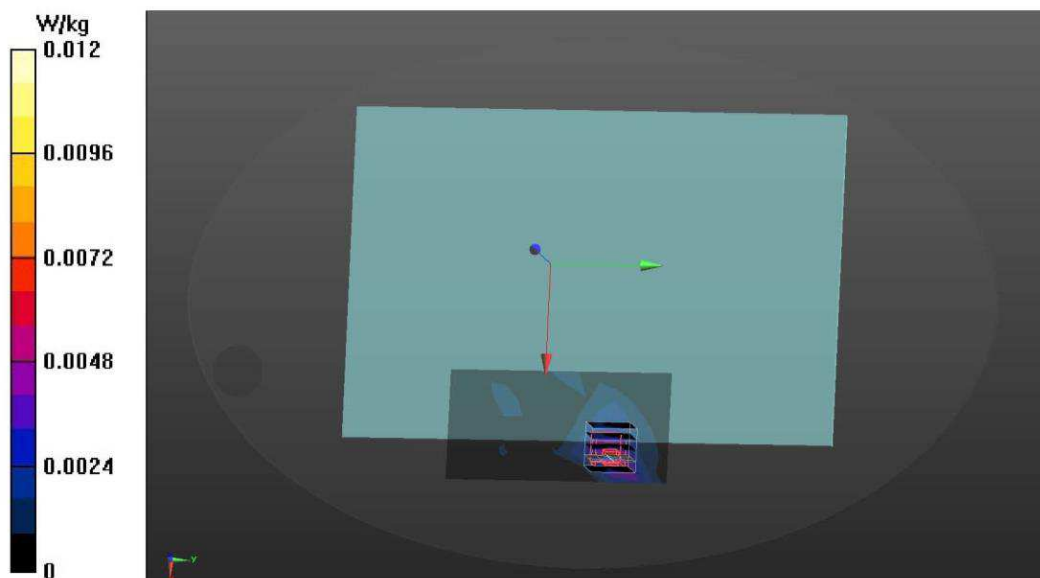
Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 37.52$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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 (5x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm
Maximum value of SAR (measured) = 0.0137 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 0.9470 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0199 W/kg
SAR(1 g) = 0.00892 W/kg; SAR(10 g) = 0.00356 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 = 78.4%
Maximum value of SAR (measured) = 0.0124 W/kg



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Test SKU: SKU #2 (with LUXSHARE-ICT Antenna)

Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P13 802.11b CH7 2442MHz ant1 Bottom

DUT: 16Z90Q(Luxshare)

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) = 0.0176 W/kg

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

Reference Value = 2.085 V/m; Power Drift = 0.12 dB

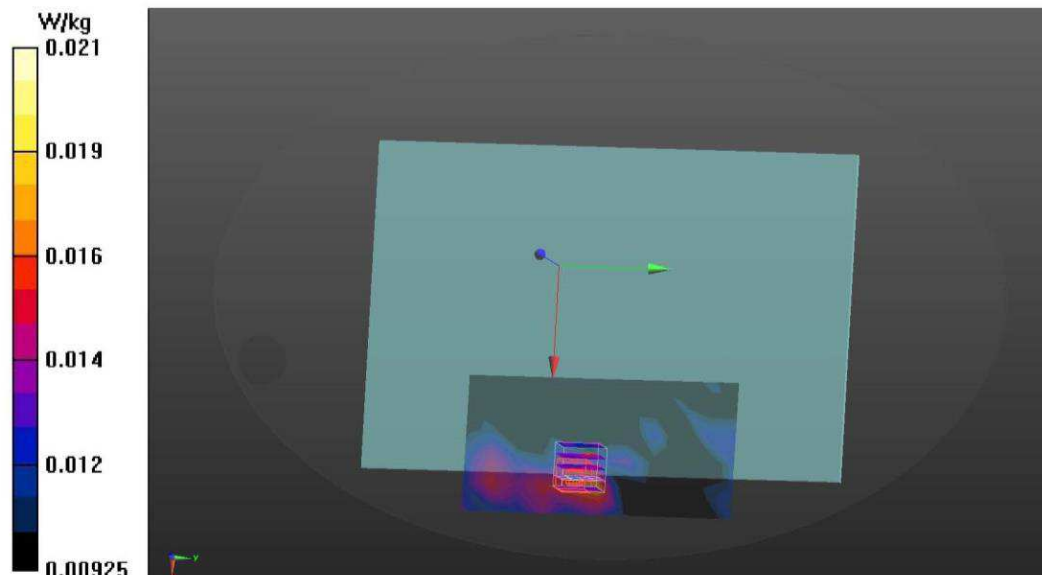
Peak SAR (extrapolated) = 0.0260 W/kg

SAR(1 g) = 0.0169 W/kg; SAR(10 g) = 0.0143 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 = 70.2%

Maximum value of SAR (measured) = 0.0211 W/kg



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P3 802.11b CH7 2442MHz ant1 Screen**DUT: 16Z90Q(Luxshare)**

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

Medium parameters used: $f = 2442 \text{ MHz}$; $\sigma = 1.758 \text{ S/m}$; $\epsilon_r = 38.623$; $\rho = 1000 \text{ kg/m}^3$

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 (5x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.0577 W/kg

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

Reference Value = 2.575 V/m; Power Drift = 0.18 dB

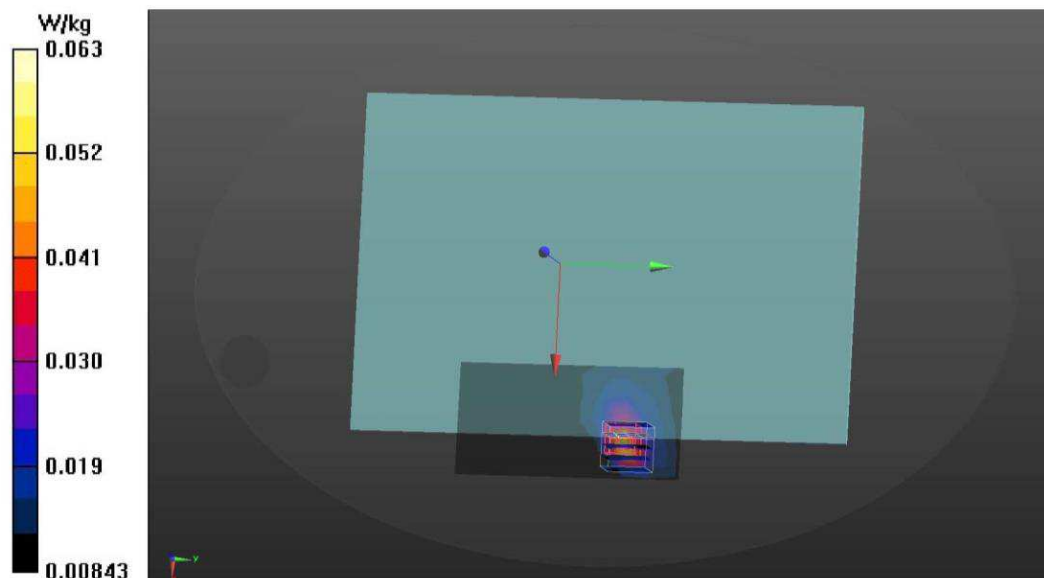
Peak SAR (extrapolated) = 0.0950 W/kg

SAR(1 g) = 0.0485 W/kg; SAR(10 g) = 0.0272 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 = 60.9%

Maximum value of SAR (measured) = 0.0626 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P13 802.11b CH11 2462MHz ant1 Bottom**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 37.525$; $\rho = 1000$ 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) = 0.0188 W/kg

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

Reference Value = 2.094 V/m; Power Drift = 0.03 dB

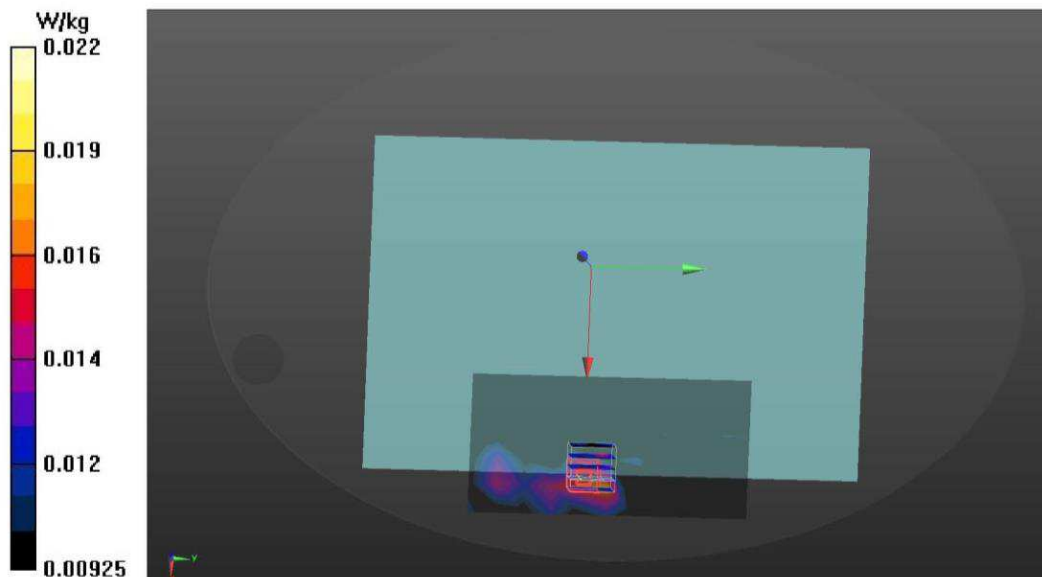
Peak SAR (extrapolated) = 0.0290 W/kg

SAR(1 g) = 0.0181 W/kg; SAR(10 g) = 0.0155 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 = 73.2%

Maximum value of SAR (measured) = 0.0223 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P3 802.11b CH11 2462MHz ant1 Screen**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.782 \text{ S/m}$; $\epsilon_r = 37.525$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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 (5x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.0589 W/kg

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

Reference Value = 2.598 V/m; Power Drift = 0.12 dB

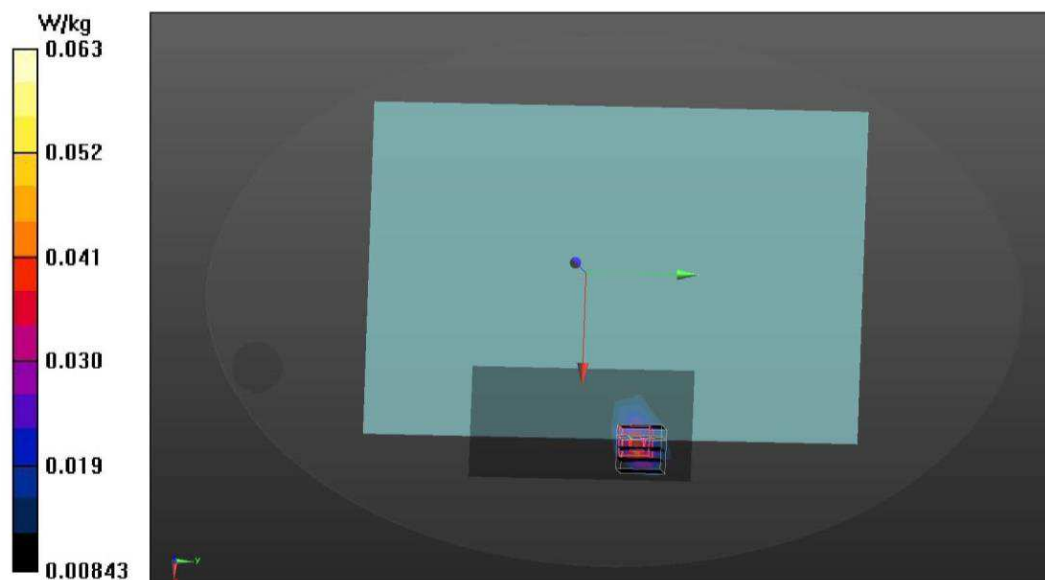
Peak SAR (extrapolated) = 0.0970 W/kg

SAR(1 g) = 0.0495 W/kg; SAR(10 g) = 0.0279 W/kg

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

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

Maximum value of SAR (measured) = 0.0634 W/kg



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P14 802.11b CH7 2442MHz ant2 Bottom**DUT: 16Z90Q(Luxshare)**

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

Medium parameters used: $f = 2442 \text{ MHz}$; $\sigma = 1.758 \text{ S/m}$; $\epsilon_r = 38.623$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.0427 W/kg

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

Reference Value = 2.602 V/m; Power Drift = -0.04 dB

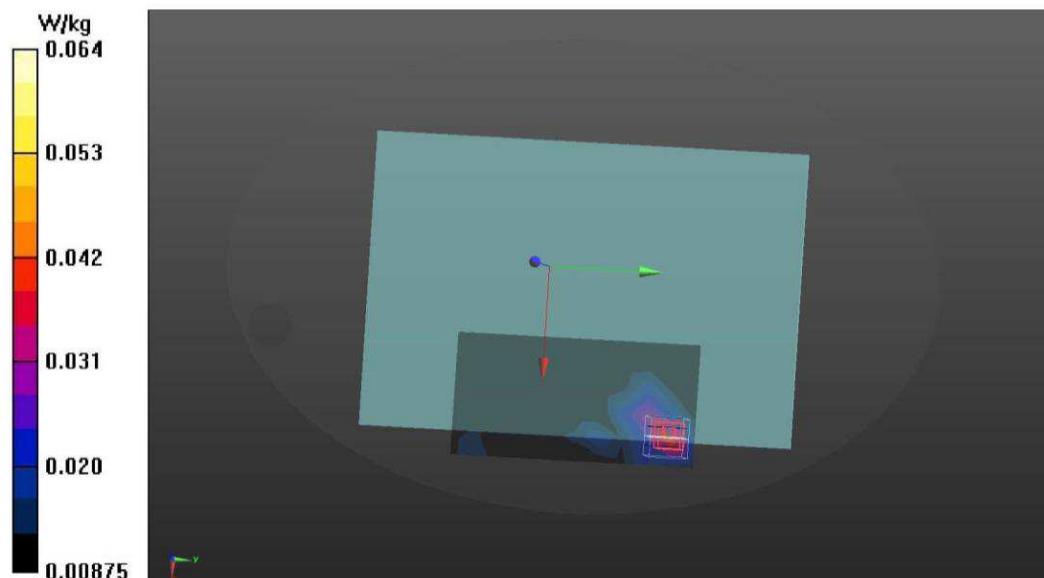
Peak SAR (extrapolated) = 0.126 W/kg

SAR(1 g) = 0.0478 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 = 53.3%

Maximum value of SAR (measured) = 0.0638 W/kg



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P4 802.11b CH7 2442MHz ant2 Screen**DUT: 16Z90Q(Luxshare)**

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 (5x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.114 W/kg

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

Reference Value = 2.463 V/m; Power Drift = -0.13 dB

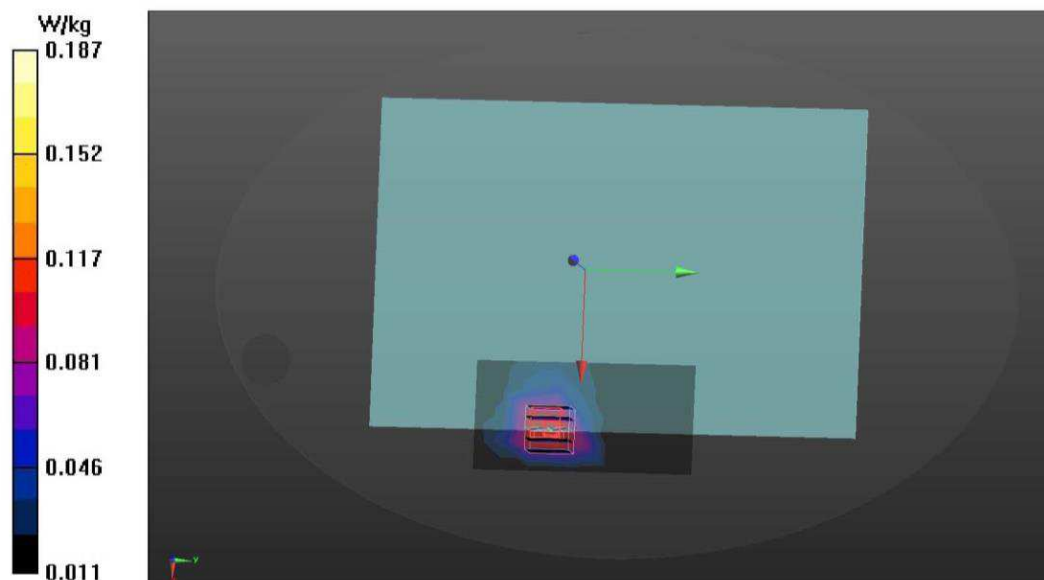
Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.128 W/kg; SAR(10 g) = 0.0697 W/kg

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

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

Maximum value of SAR (measured) = 0.187 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P14 802.11b CH11 2462MHz ant2 Bottom**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.782$ S/m; $\epsilon_r = 37.525$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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) = 0.0458 W/kg

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

Reference Value = 2.566 V/m; Power Drift = 0.09 dB

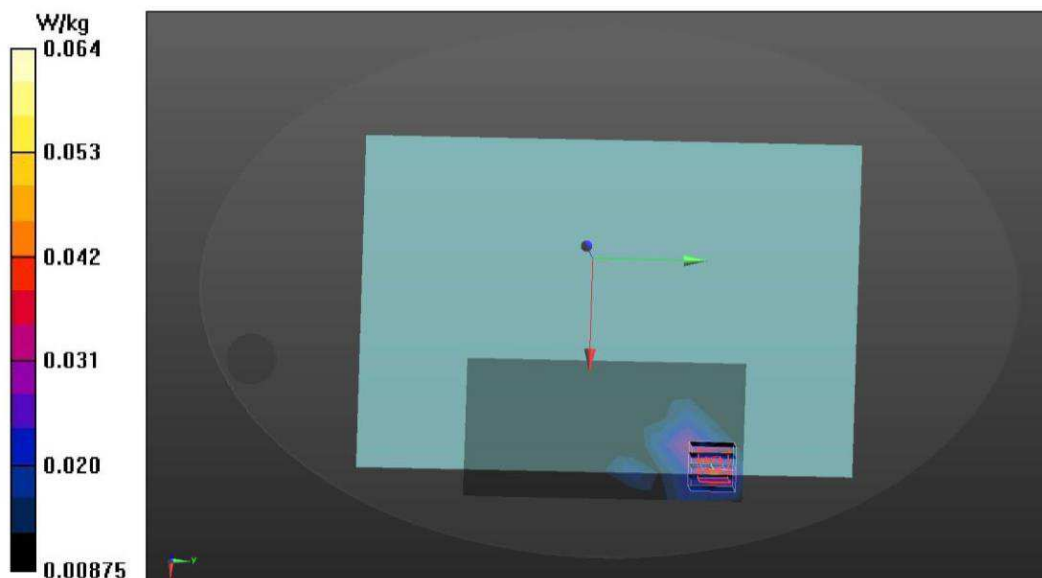
Peak SAR (extrapolated) = 0.145 W/kg

SAR(1 g) = 0.0494 W/kg; SAR(10 g) = 0.0282 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 = 50.3%

Maximum value of SAR (measured) = 0.0644 W/kg



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Date: 6/22/2022

Test Laboratory: Audix_SAR Lab

P4 802.11b CH11 2462MHz ant2 Screen**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, WIFI 2.4G 802.11B (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.782 \text{ S/m}$; $\epsilon_r = 37.525$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2462 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 (5x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (measured) = 0.117 W/kg

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

Reference Value = 2.492 V/m; Power Drift = -0.02 dB

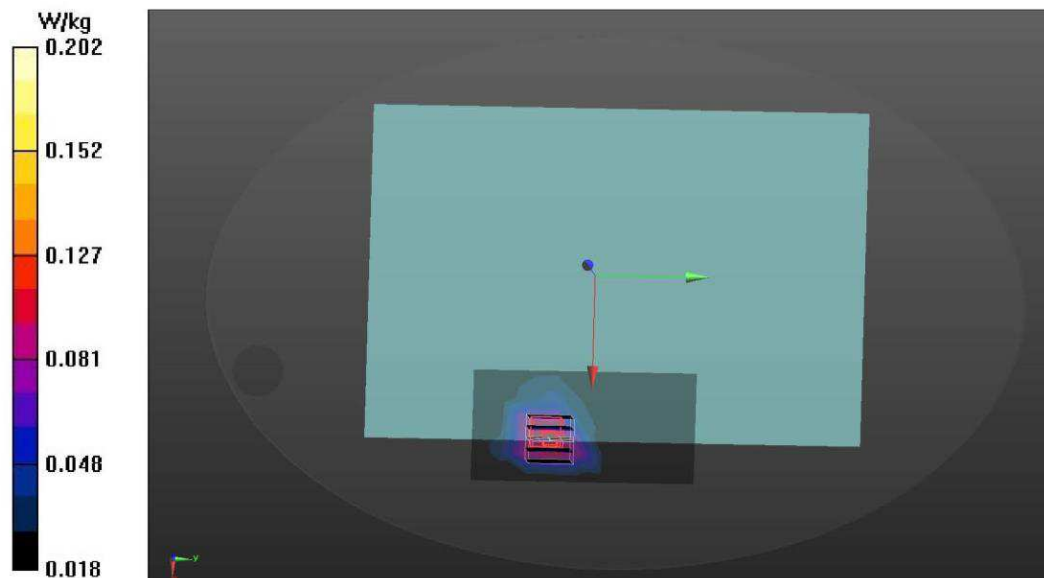
Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.0711 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 58.8%

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



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P15 GFSK CH39 2441MHz Bottom**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.757$ S/m; $\epsilon_r = 38.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2441 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 (7x9x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.0117 W/kg

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

Reference Value = 2.202 V/m; Power Drift = 0.18 dB

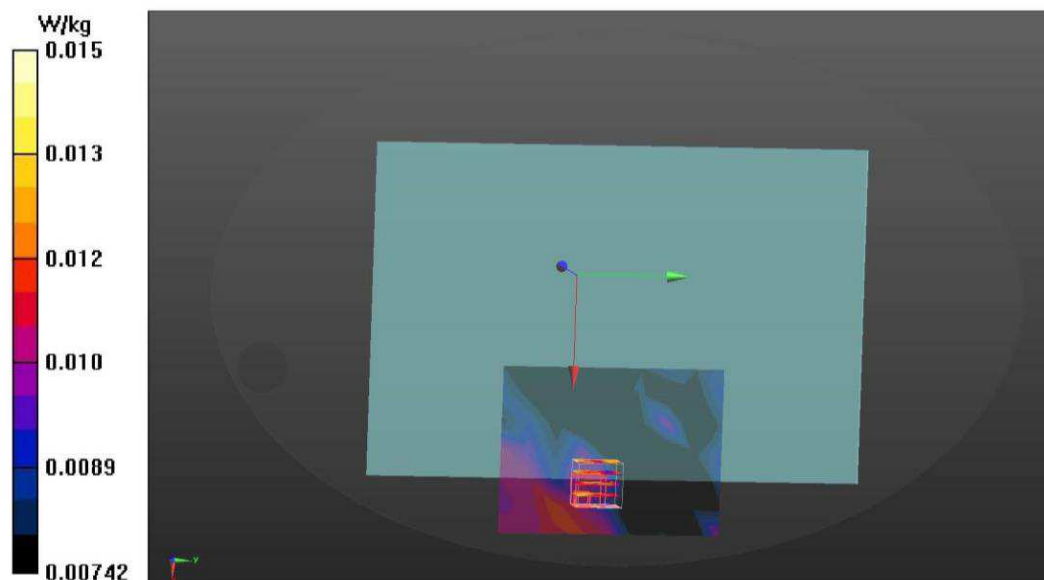
Peak SAR (extrapolated) = 0.0150 W/kg

SAR(1 g) = 0.0131 W/kg; SAR(10 g) = 0.0121 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 74.5%

Maximum value of SAR (measured) = 0.0148 W/kg



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P5 GFSK CH39 2441MHz Screen**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, BT (0); Frequency: 2441 MHz; Duty Cycle: 1:1.3

Medium parameters used: $f = 2441$ MHz; $\sigma = 1.757$ S/m; $\epsilon_r = 38.625$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(7.7, 7.7, 7.7) @ 2441 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 (7x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm

Maximum value of SAR (measured) = 0.0131 W/kg

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

Reference Value = 2.569 V/m; Power Drift = -0.14 dB

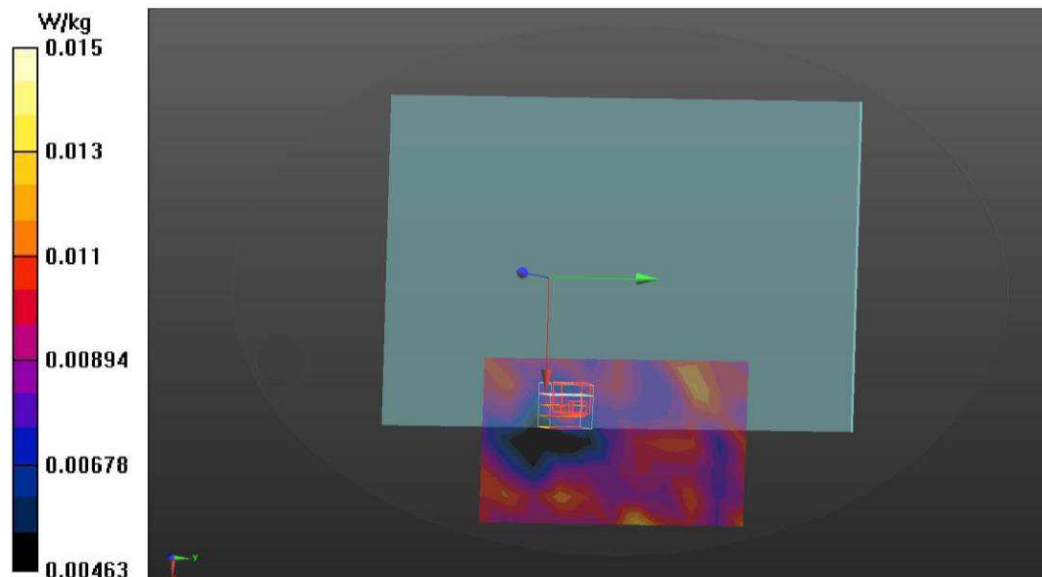
Peak SAR (extrapolated) = 0.0190 W/kg

SAR(1 g) = 0.0134 W/kg; SAR(10 g) = 0.0117 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 = 95.5%

Maximum value of SAR (measured) = 0.0154 W/kg



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P15 GFSK CH78 2480MHz Bottom**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3

Medium parameters used: $f = 2480 \text{ MHz}$; $\sigma = 1.807 \text{ S/m}$; $\epsilon_r = 37.52$; $\rho = 1000 \text{ kg/m}^3$

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 (7x9x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 0.0135 W/kg

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

Reference Value = 2.412 V/m; Power Drift = 0.11 dB

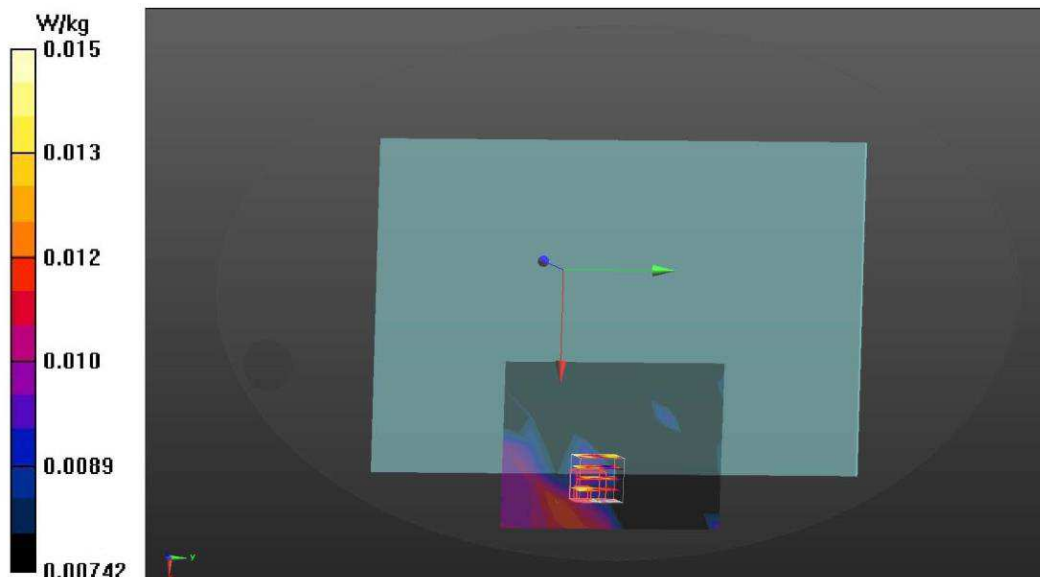
Peak SAR (extrapolated) = 0.0190 W/kg

SAR(1 g) = 0.0136 W/kg; SAR(10 g) = 0.0114 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 = 72.1%

Maximum value of SAR (measured) = 0.0153 W/kg



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Date: 5/26/2022

Test Laboratory: Audix_SAR Lab

P5 GFSK CH78 2480MHz Screen**DUT: 16Z90Q(Luxshare)**

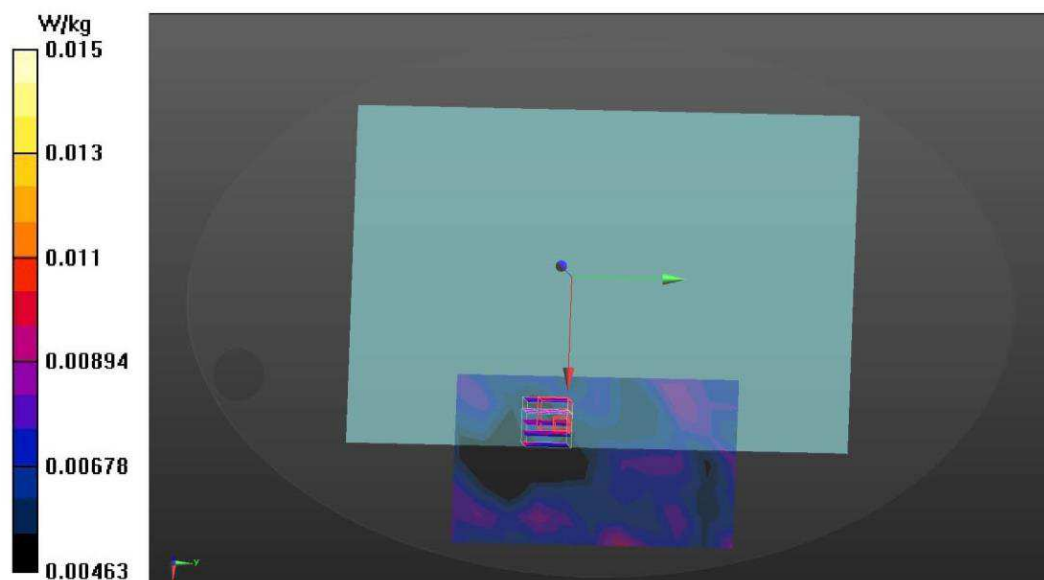
Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1.3
Medium parameters used: $f = 2480$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 37.52$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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 (7x11x1): Measurement grid: $dx=20$ mm, $dy=20$ mm
Maximum value of SAR (measured) = 0.0137 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 2.517 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0170 W/kg
SAR(1 g) = 0.0139 W/kg; SAR(10 g) = 0.0111 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 = 92.5%
Maximum value of SAR (measured) = 0.015 W/kg



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WiFi 5G

Test SKU: SKU #1 (with INPAQ Antenna)

Date: 5/12/2022

Test Laboratory: Audix_SAR Lab

P11 802.11a CH149 5745MHz ant1 Bottom**DUT: 16Z90Q(INPAQ)**

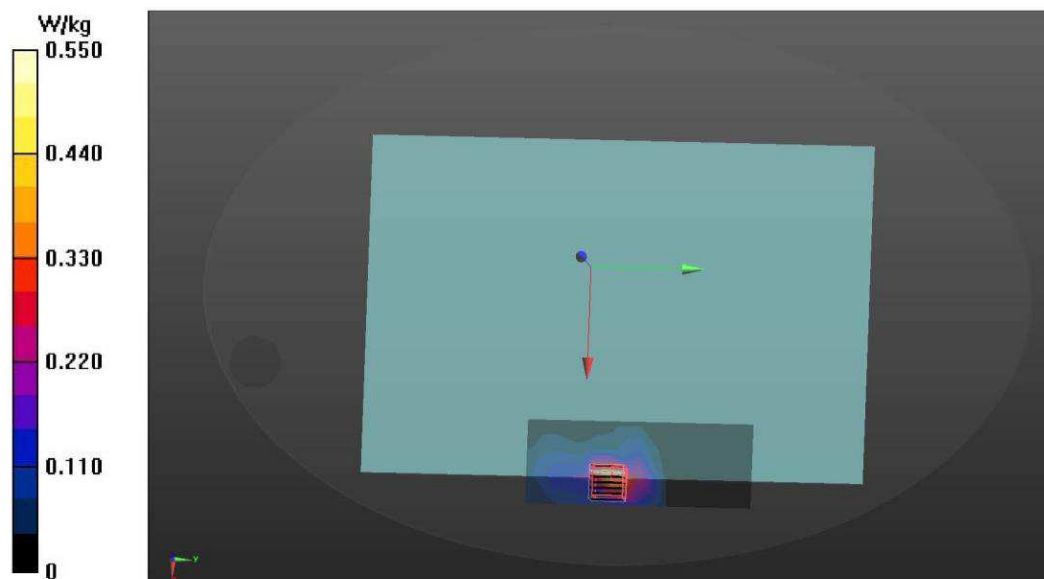
Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.426 \text{ S/m}$; $\epsilon_r = 34.722$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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 (7x17x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 0.458 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$
Reference Value = 2.015 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.997 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.0804 W/kg
Smallest distance from peaks to all points 3 dB below = 10.5 mm
Ratio of SAR at M2 to SAR at M1 = 43.9%
Maximum value of SAR (measured) = 0.550 W/kg



Date: 5/12/2022

Test Laboratory: Audix_SAR Lab

P1 802.11a CH149 5745MHz ant1 Screen**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.426$ S/m; $\epsilon_r = 34.722$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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 (7x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.535 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.279 V/m; Power Drift = -0.18 dB

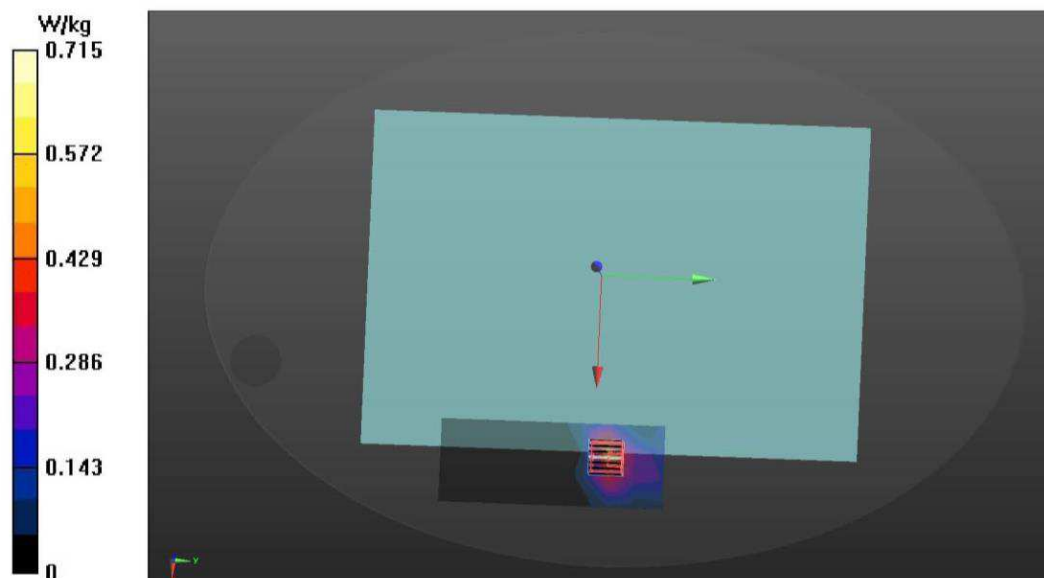
Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.117 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 44.9%

Maximum value of SAR (measured) = 0.715 W/kg



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Date: 5/12/2022

Test Laboratory: Audix_SAR Lab

P12 802.11a CH149 5745MHz ant2 Bottom**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.426 \text{ S/m}$; $\epsilon_r = 34.722$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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 (9x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.208 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.366 V/m; Power Drift = 0.20 dB

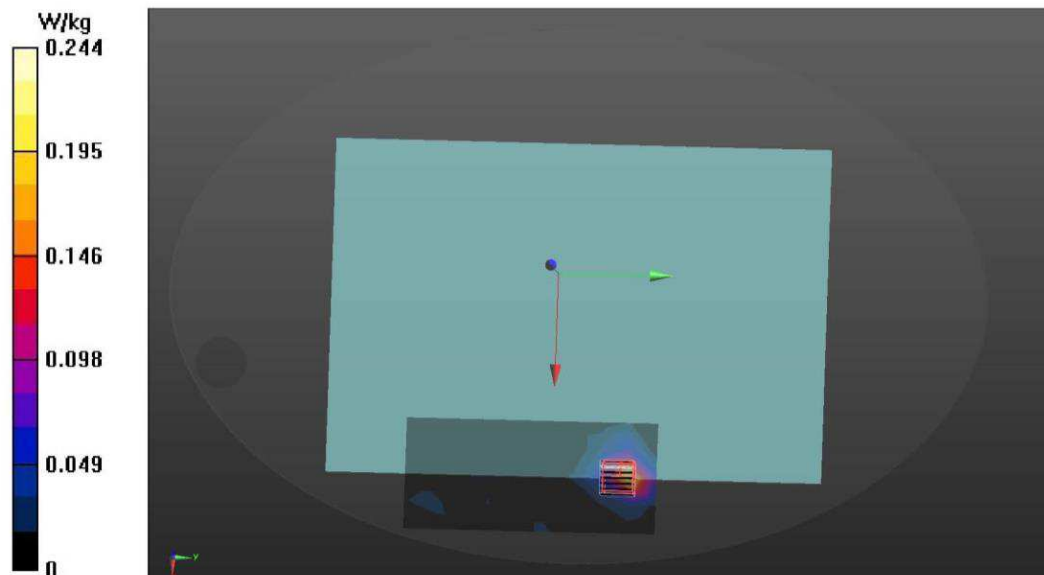
Peak SAR (extrapolated) = 0.437 W/kg

SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.0358 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 47.3%

Maximum value of SAR (measured) = 0.244 W/kg



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Date: 5/12/2022

Test Laboratory: Audix_SAR Lab

P2 802.11a CH149 5745MHz ant2 Screen**DUT: 16Z90Q(INPAQ)**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.426$ S/m; $\epsilon_r = 34.722$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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 (7x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.743 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.8590 V/m; Power Drift = -0.13 dB

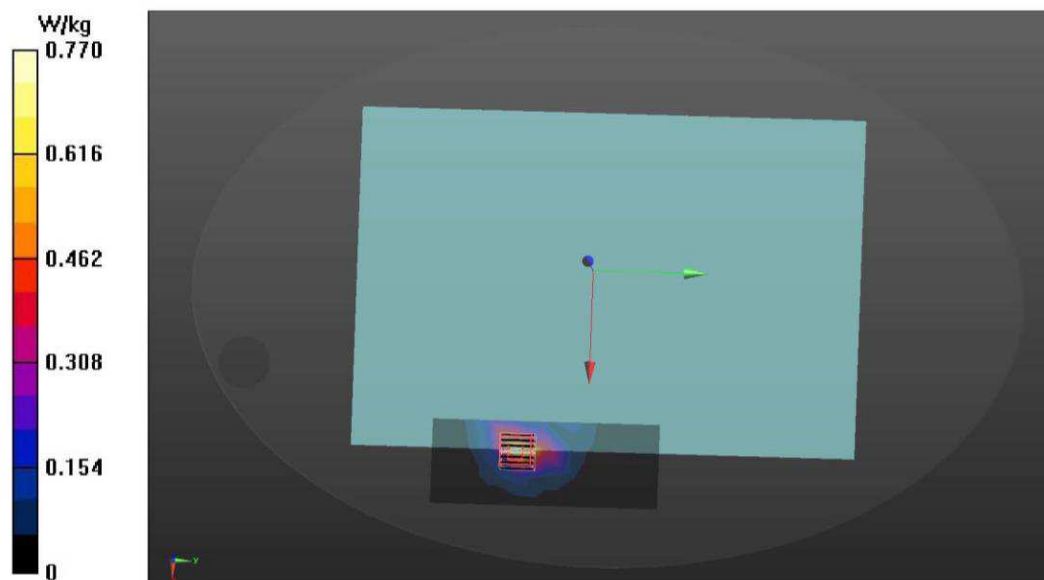
Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.410 W/kg; SAR(10 g) = 0.141 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 47.2%

Maximum value of SAR (measured) = 0.770 W/kg



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Test SKU: SKU #2 (with LUXSHARE-ICT Antenna)

Date: 5/25/2022

Test Laboratory: Audix_SAR Lab

P11 802.11a CH149 5745MHz ant1 Bottom**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.45 \text{ S/m}$; $\epsilon_r = 35.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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) = 0.363 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.925 V/m; Power Drift = 0.14 dB

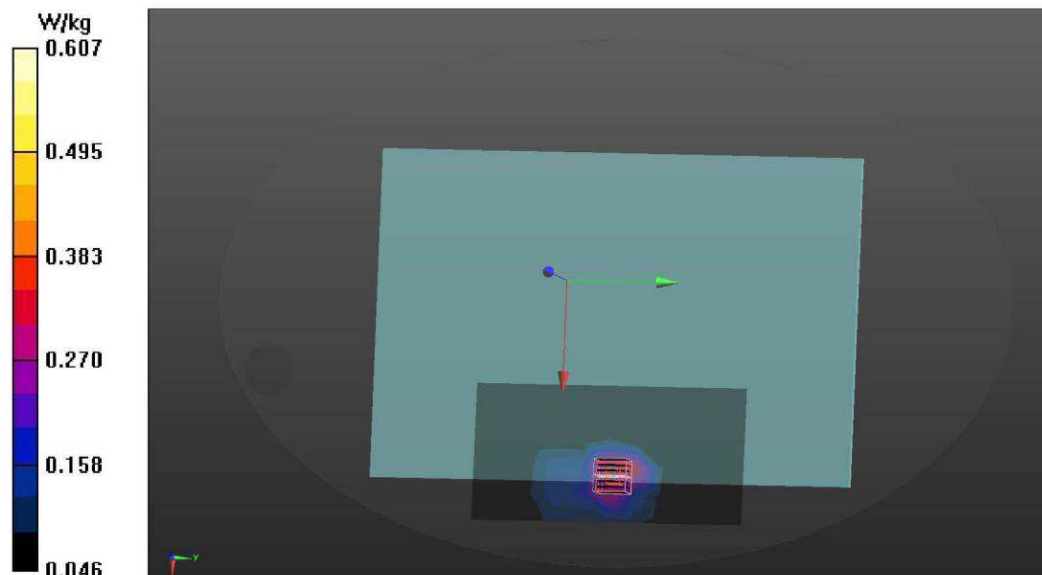
Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.161 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 48.2%

Maximum value of SAR (measured) = 0.607 W/kg



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Date: 5/25/2022

Test Laboratory: Audix_SAR Lab

P1 802.11a CH149 5745MHz ant1 Screen

DUT: 16Z90Q(Luxshare)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.45 \text{ S/m}$; $\epsilon_r = 35.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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 (7x17x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.346 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 3.412 V/m; Power Drift = -0.19 dB

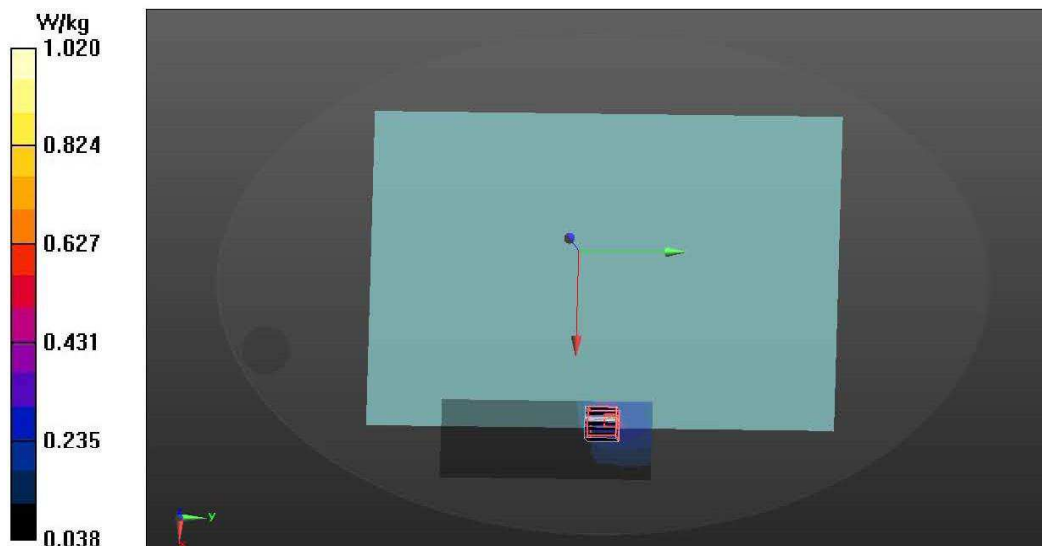
Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.200 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 46.5%

Maximum value of SAR (measured) = 1.02 W/kg



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Date: 5/25/2022

Test Laboratory: Audix_SAR Lab

P12 802.11a CH149 5745MHz ant2 Bottom**DUT: 16Z90Q(Luxshare)**

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.45 \text{ S/m}$; $\epsilon_r = 35.921$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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) = 0.270 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 2.574 V/m; Power Drift = 0.18 dB

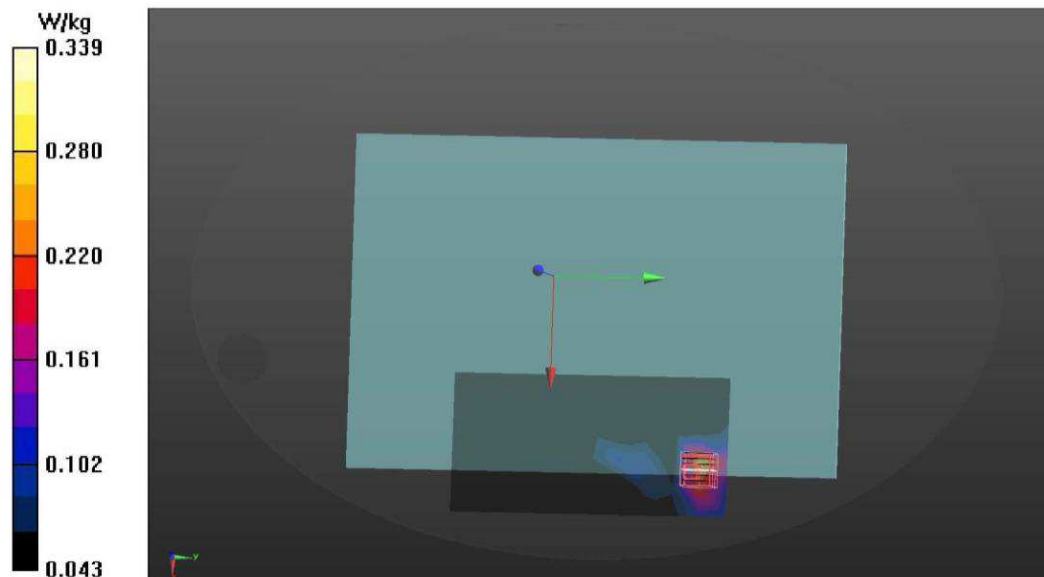
Peak SAR (extrapolated) = 0.847 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.112 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.6%

Maximum value of SAR (measured) = 0.339 W/kg



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Date: 5/25/2022

Test Laboratory: Audix_SAR Lab

P2 802.11a CH149 5745MHz ant2 Screen

DUT: 16Z90Q(Luxshare)

Communication System: UID 0, WIFI 5G 802.11a (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.45$ S/m; $\epsilon_r = 35.921$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3855; ConvF(4.8, 4.8, 4.8) @ 5745 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 (9x17x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.518 W/kg

Zoom Scan (7x7x9)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 3.203 V/m; Power Drift = 0.17 dB

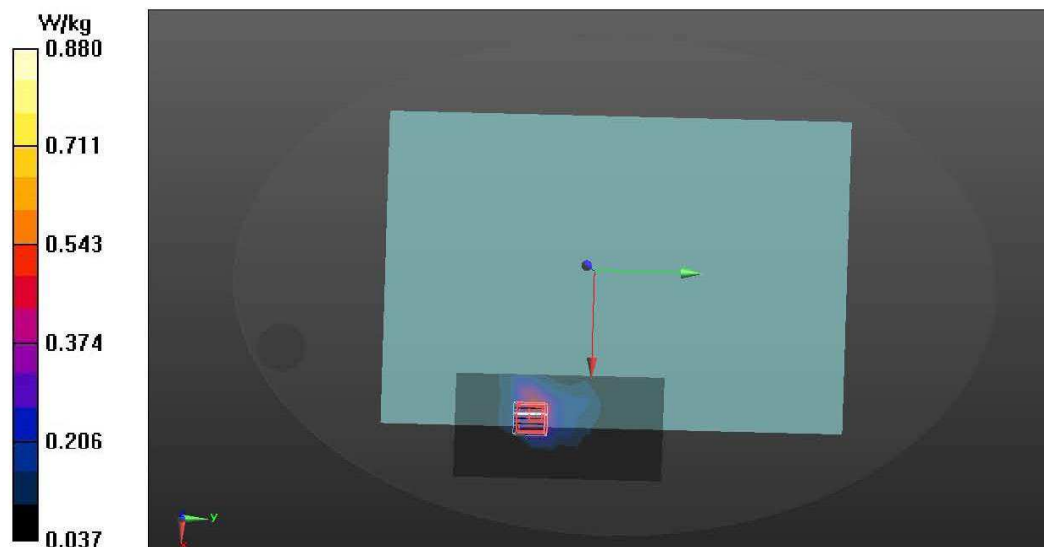
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.182 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.4%

Maximum value of SAR (measured) = 0.880 W/kg



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