

Test Laboratory: Estech

ZENITH Z5 5.2GHz 802.11a LEFT ANT1 LOW

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5180 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5180$ MHz; $\sigma = 5.18$ S/m; $\epsilon_r = 49.628$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.2, 4.2, 4.2) @ 5180 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

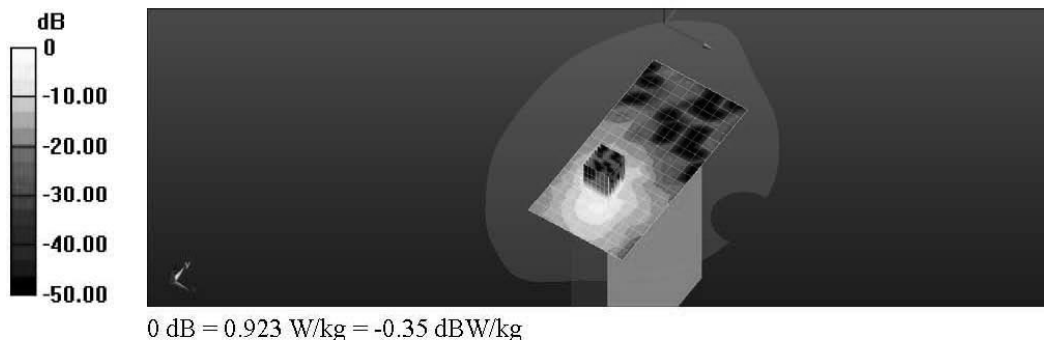
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.216 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.112 W/kg

Maximum value of SAR (measured) = 0.923 W/kg



Test Laboratory: Estech

ZENITH Z5 5.2GHz 802.11a LEFT ANT1 HIGH

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5240 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5240$ MHz; $\sigma = 5.254$ S/m; $\epsilon_r = 49.376$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.2, 4.2, 4.2) @ 5240 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.675 W/kg

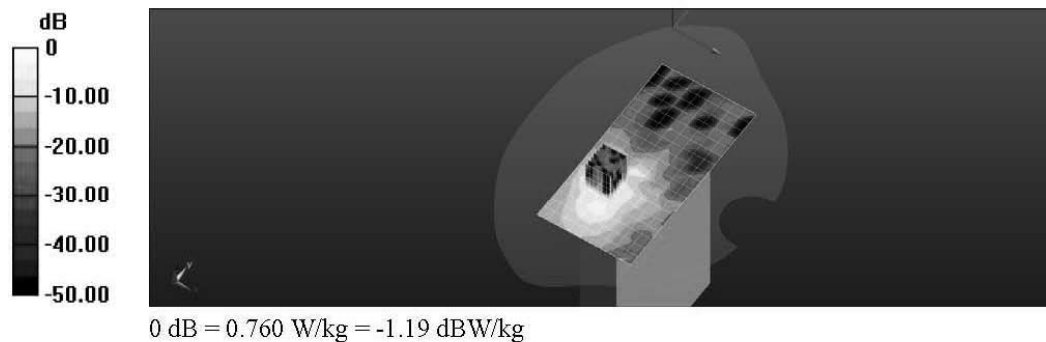
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.802 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.760 W/kg



Test Laboratory: Estech

ZENITH Z5 5.3GHz 802.11a FRONT ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5280 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5280$ MHz; $\sigma = 5.323$ S/m; $\epsilon_r = 49.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.03, 4.03, 4.03) @ 5280 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (18x26x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.583 W/kg

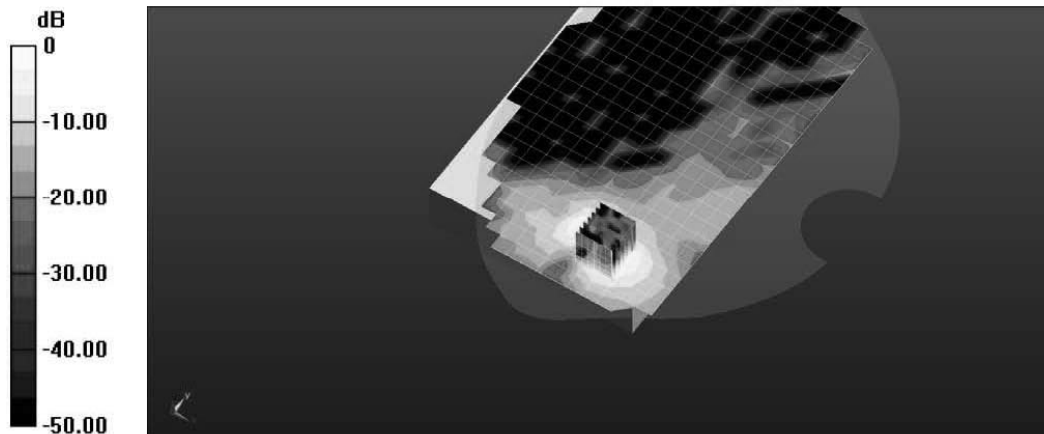
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 10.06 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.930 W/kg

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.080 W/kg

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



Test Laboratory: Estech

ZENITH Z5 5.3GHz 802.11a REAR ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5280 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5280$ MHz; $\sigma = 5.323$ S/m; $\epsilon_r = 49.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.03, 4.03, 4.03) @ 5280 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (18x26x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.727 W/kg

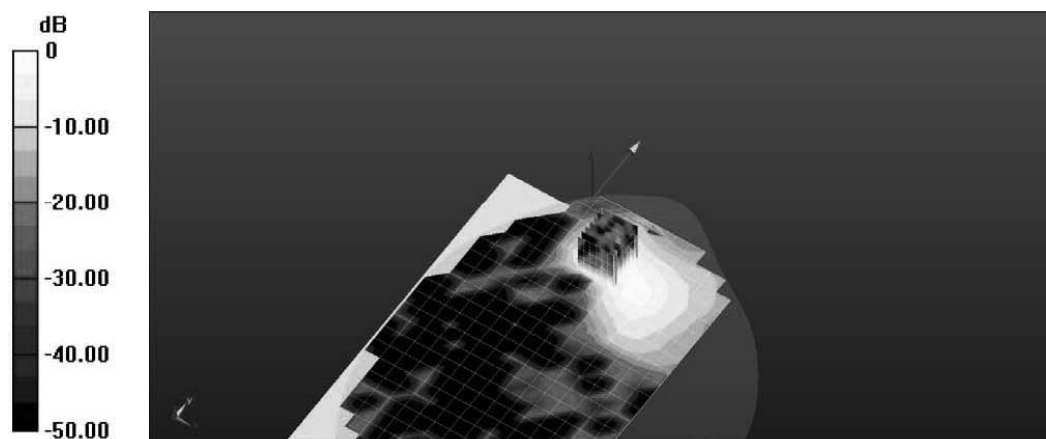
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 12.82 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.350 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.792 W/kg



0 dB = 0.727 W/kg = -1.39 dBW/kg

Test Laboratory: Estech

ZENITH Z5 5.3GHz 802.11a LEFT ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5280 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5280$ MHz; $\sigma = 5.323$ S/m; $\epsilon_r = 49.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.03, 4.03, 4.03) @ 5280 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

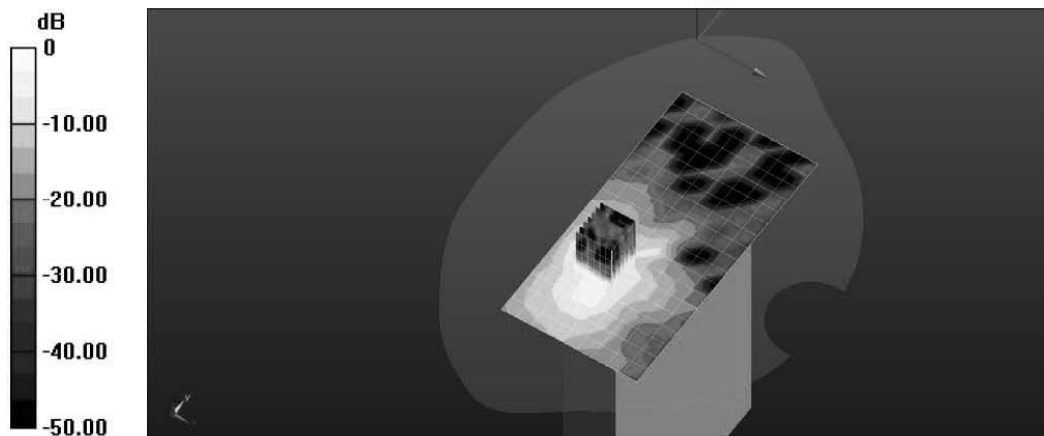
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.543 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.966 W/kg



0 dB = 0.880 W/kg = -0.56 dBW/kg

Test Laboratory: Estech

ZENITH Z5 5.3GHz 802.11a BOTTOM ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5280 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5280$ MHz; $\sigma = 5.323$ S/m; $\epsilon_r = 49.11$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.03, 4.03, 4.03) @ 5280 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (8x27x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

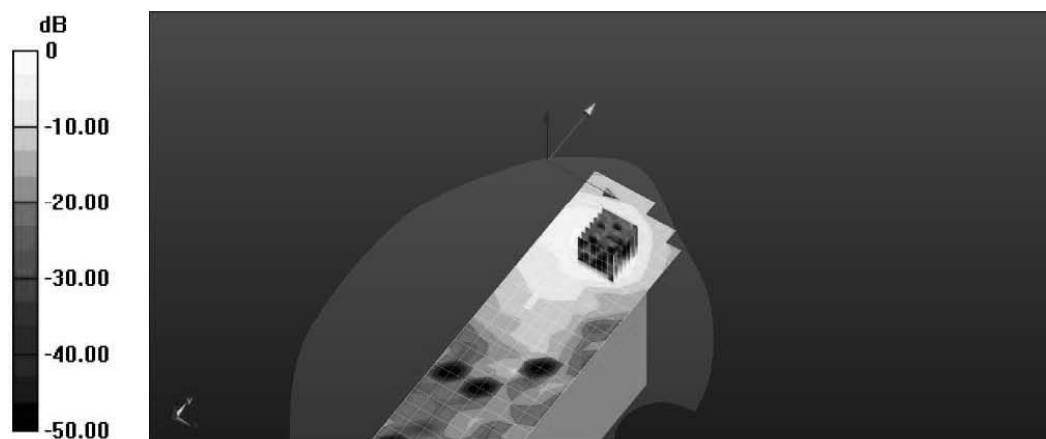
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.629 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.636 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.432 W/kg



0 dB = 0.409 W/kg = -3.89 dBW/kg

Test Laboratory: Estech

ZENITH Z5 5.3GHz 802.11a LEFT ANT1 LOW

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5260 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.268$ S/m; $\epsilon_r = 49.879$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.03, 4.03, 4.03) @ 5260 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.889 W/kg

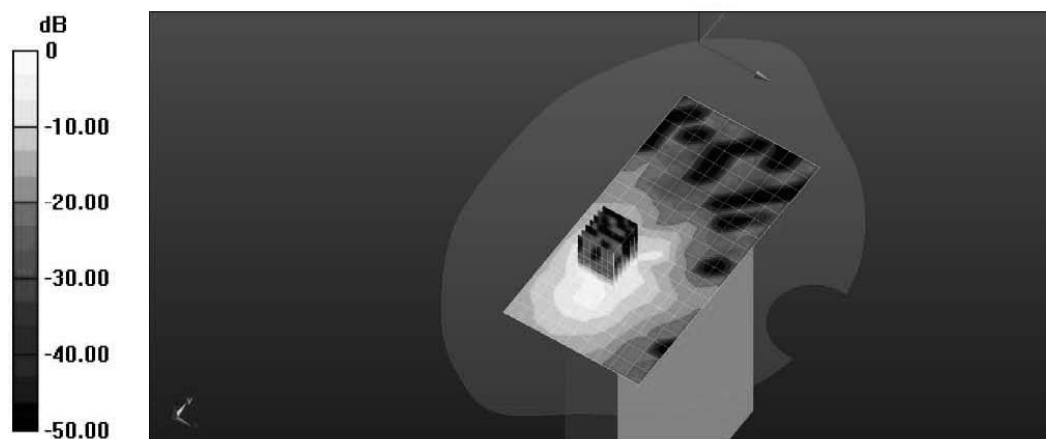
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.581 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.942 W/kg



0 dB = 0.889 W/kg = -0.51 dBW/kg

Test Laboratory: Estech

ZENITH Z5 5.3GHz 802.11a LEFT ANT1 HIGH

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5320 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 5.352$ S/m; $\epsilon_r = 49.622$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(4.03, 4.03, 4.03) @ 5320 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.909 W/kg

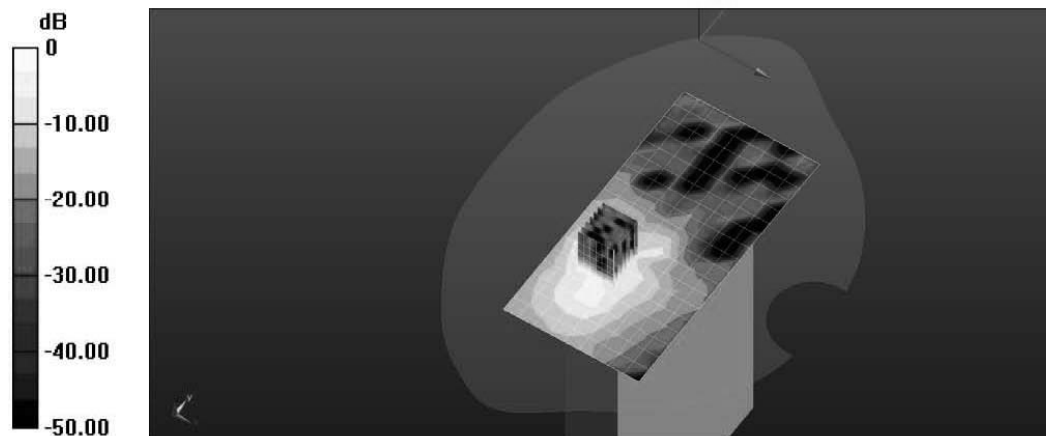
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 6.791 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.965 W/kg



0 dB = 0.909 W/kg = -0.41 dBW/kg

Test Laboratory: Estech

ZENITH Z5 5.6GHz 802.11a FRONT ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5600$ MHz; $\sigma = 5.684$ S/m; $\epsilon_r = 49.309$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.7, 3.7, 3.7) @ 5600 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (18x26x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.848 W/kg

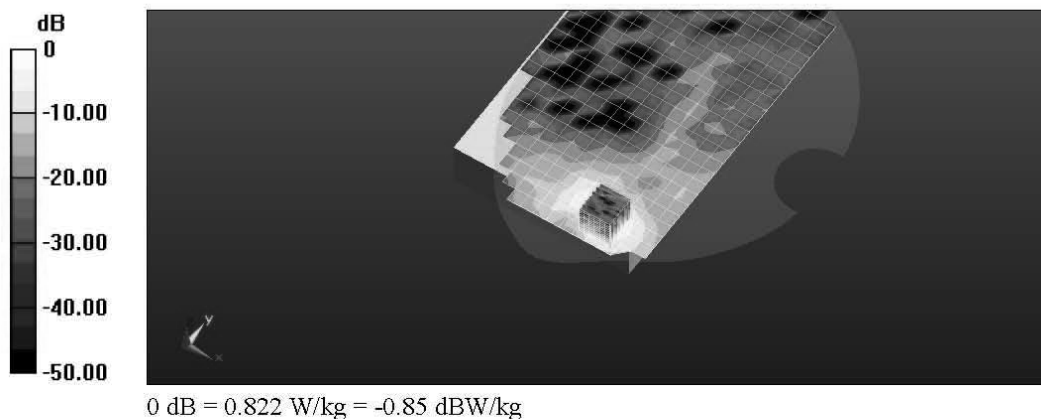
Zoom Scan (7x7x13)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 6.887 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.115 W/kg

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



Test Laboratory: Estech

ZENITH Z5 5.6GHz 802.11a REAR ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5600$ MHz; $\sigma = 5.607$ S/m; $\epsilon_r = 49.309$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.7, 3.7, 3.7) @ 5600 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (18x26x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.915 W/kg

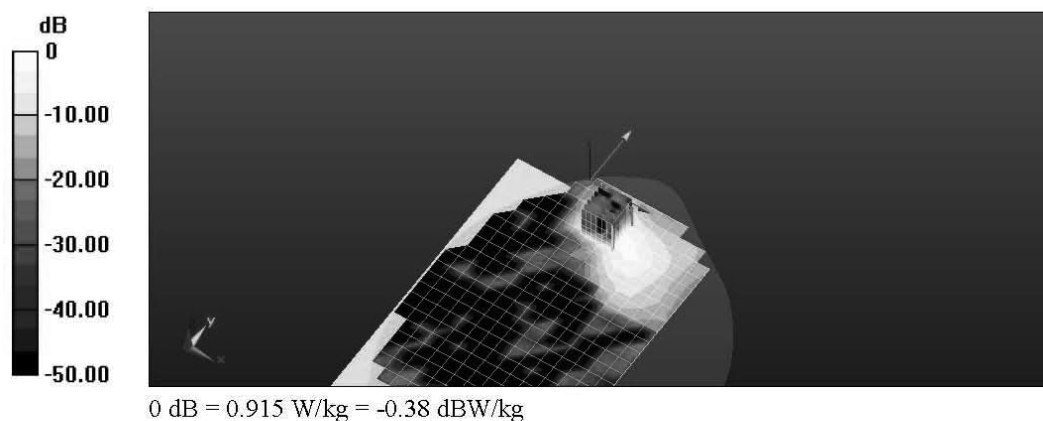
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 13.61 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.147 W/kg

Maximum value of SAR (measured) = 0.990 W/kg



Test Laboratory: Estech

ZENITH Z5 5.6GHz 802.11a LEFT ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5600$ MHz; $\sigma = 5.607$ S/m; $\epsilon_r = 49.309$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.7, 3.7, 3.7) @ 5600 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS2 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.609 W/kg

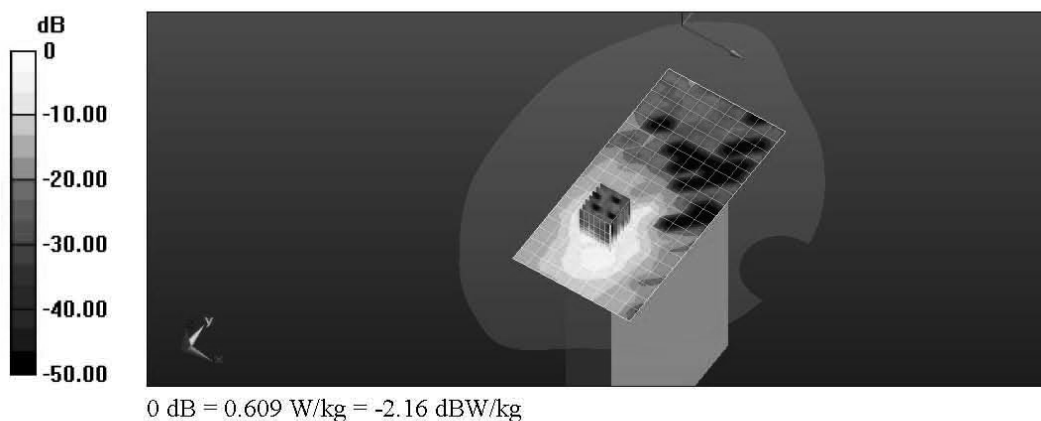
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.317 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.562 W/kg; SAR(10 g) = 0.164 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



Test Laboratory: Estech

ZENITH Z5 5.6GHz 802.11a BOTTOM ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5600 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5600$ MHz; $\sigma = 5.684$ S/m; $\epsilon_r = 49.309$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.7, 3.7, 3.7) @ 5600 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (8x27x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.550 W/kg

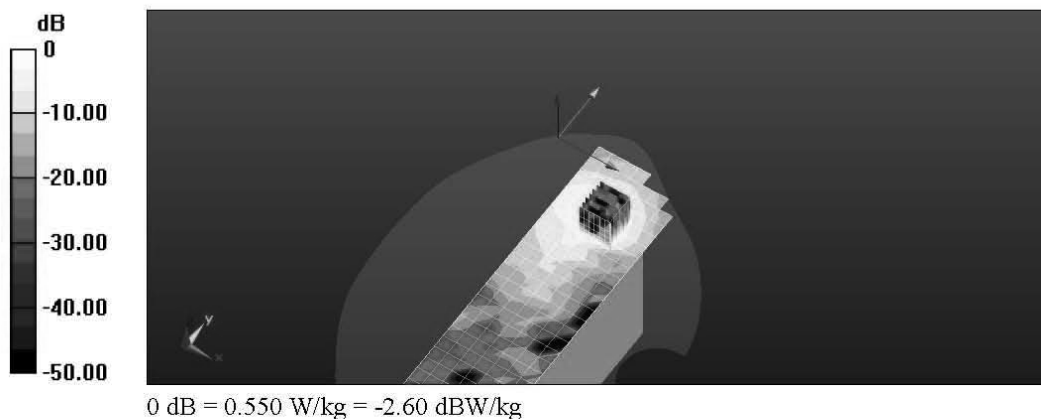
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 10.58 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.942 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.096 W/kg

Maximum value of SAR (measured) = 0.618 W/kg



Test Laboratory: Estech

ZENITH Z5 5.6GHz 802.11a LEFT ANT1 LOW

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5500 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.577$ S/m; $\epsilon_r = 50.056$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.76, 3.76, 3.76) @ 5500 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.595 W/kg

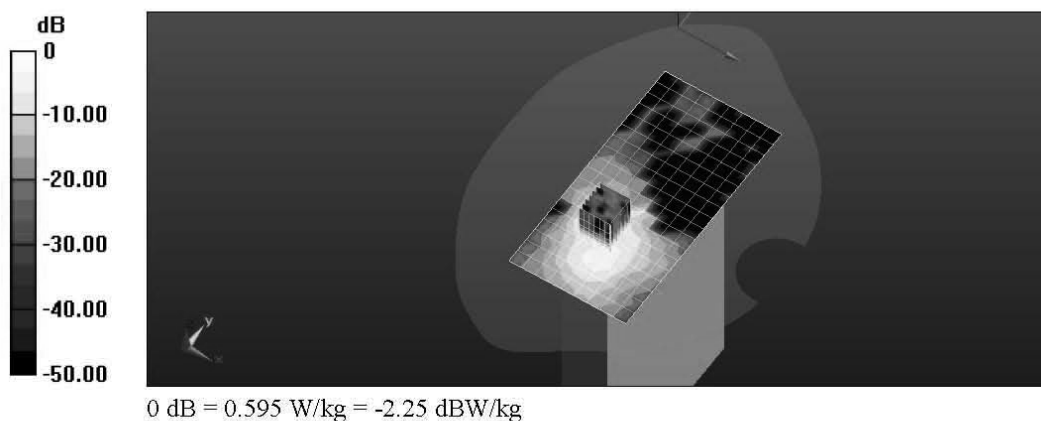
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 8.281 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



Test Laboratory: Estech

ZENITH Z5 5.6GHz 802.11a LEFT ANT1 HIGH

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5700 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used: $f = 5700$ MHz; $\sigma = 5.829$ S/m; $\epsilon_r = 49.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.7, 3.7, 3.7) @ 5700 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.855 W/kg

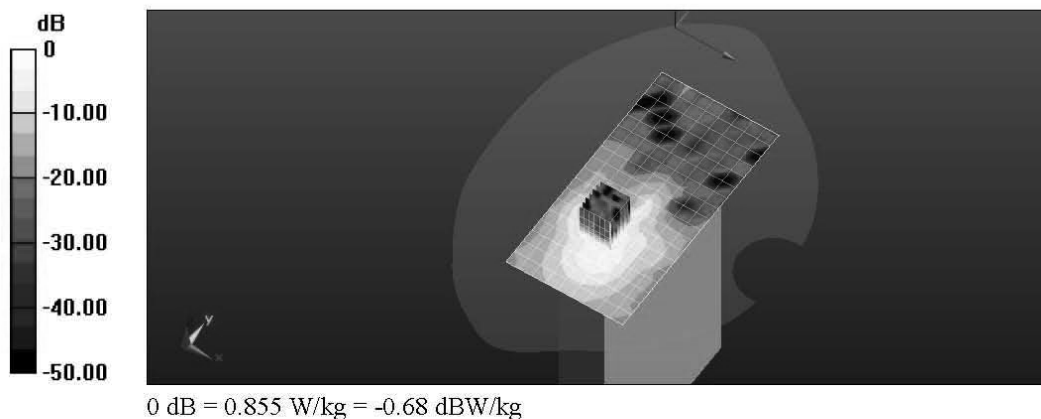
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.368 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



Test Laboratory: Estech

ZENITH Z5 5.8GHz 802.11a FRONT ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5785 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.891$ S/m; $\epsilon_r = 49.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.82, 3.82, 3.82) @ 5785 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (18x26x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.624 W/kg

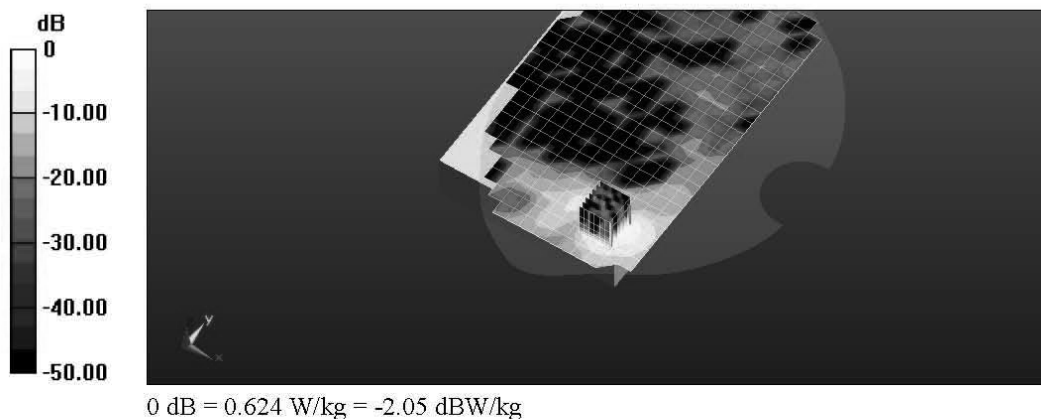
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 10.24 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.088 W/kg

Maximum value of SAR (measured) = 0.683 W/kg



Test Laboratory: Estech

ZENITH Z5 5.8GHz 802.11a REAR ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5785 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.891$ S/m; $\epsilon_r = 49.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.82, 3.82, 3.82) @ 5785 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (18x26x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.707 W/kg

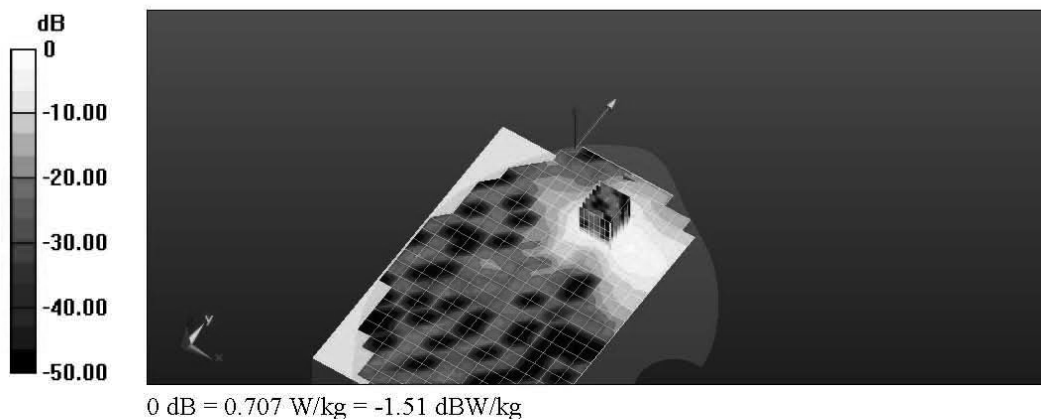
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 9.410 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 0.835 W/kg



Test Laboratory: Estech

ZENITH Z5 5.8GHz 802.11a LEFT ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5785 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.891$ S/m; $\epsilon_r = 49.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.82, 3.82, 3.82) @ 5785 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS2 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.671 W/kg

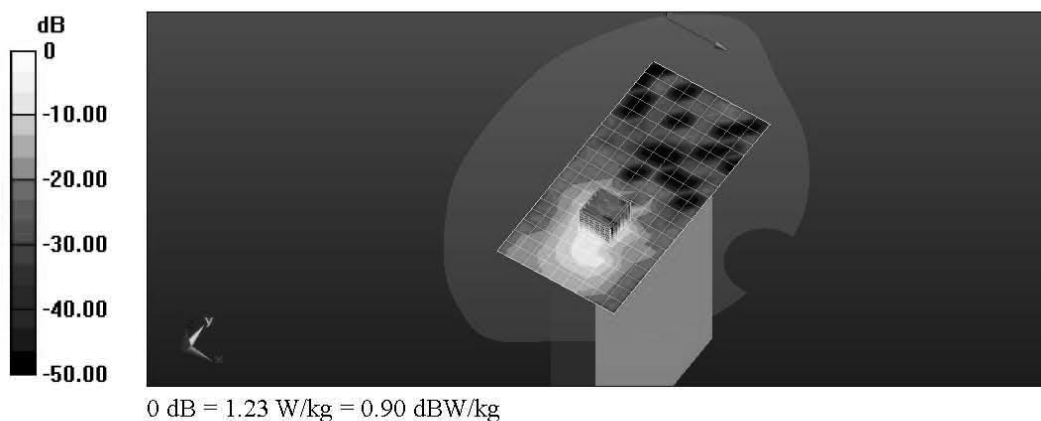
Zoom Scan (7x7x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.385 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



Test Laboratory: Estech

ZENITH Z5 5.8GHz 802.11a BOTTOM ANT1

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5785 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 5.891$ S/m; $\epsilon_r = 49.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.82, 3.82, 3.82) @ 5785 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (8x27x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.705 W/kg

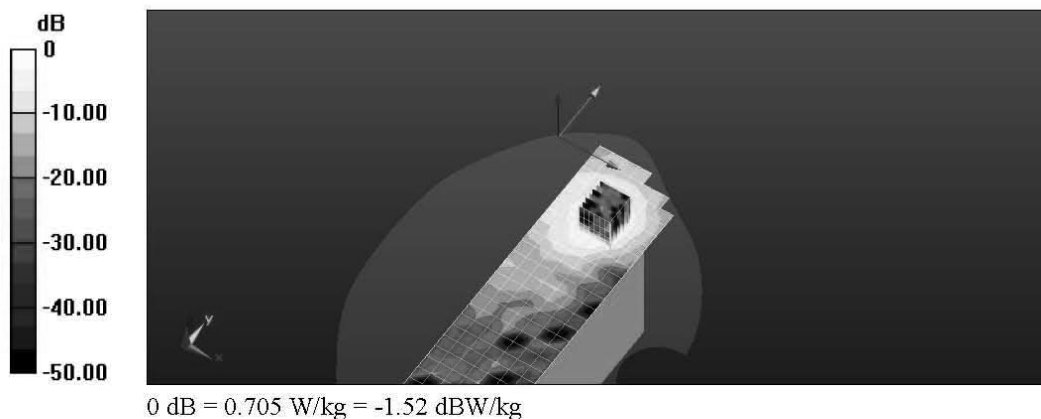
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.83 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.772 W/kg



Test Laboratory: Estech

ZENITH Z5 5.8GHz 802.11a LEFT ANT1 LOW

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5745 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.887$ S/m; $\epsilon_r = 49.949$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.82, 3.82, 3.82) @ 5745 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS2 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.659 W/kg

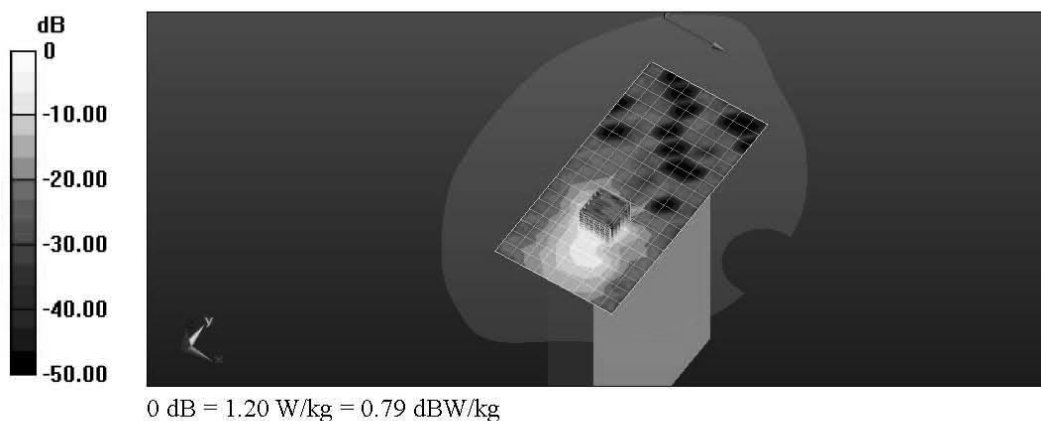
Zoom Scan (7x7x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.403 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.145 W/kg

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



Test Laboratory: Estech

ZENITH Z5 5.8GHz 802.11a LEFT ANT1 HIGH

DUT: ZENITH Z5; Type: Not Specified; Serial: Not Specified

Communication System: UID 0, 5 GHz WLAN (0); Communication System Band: 5 GHz WLAN; Frequency: 5825 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 5825$ MHz; $\sigma = 5.888$ S/m; $\epsilon_r = 49.684$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3882; ConvF(3.82, 3.82, 3.82) @ 5825 MHz; Calibrated: 11/27/2020
- Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -9.0, 31.0$
- Electronics: DAE4 Sn551; Calibrated: 1/21/2021
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- DASYS2 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (10x19x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.659 W/kg

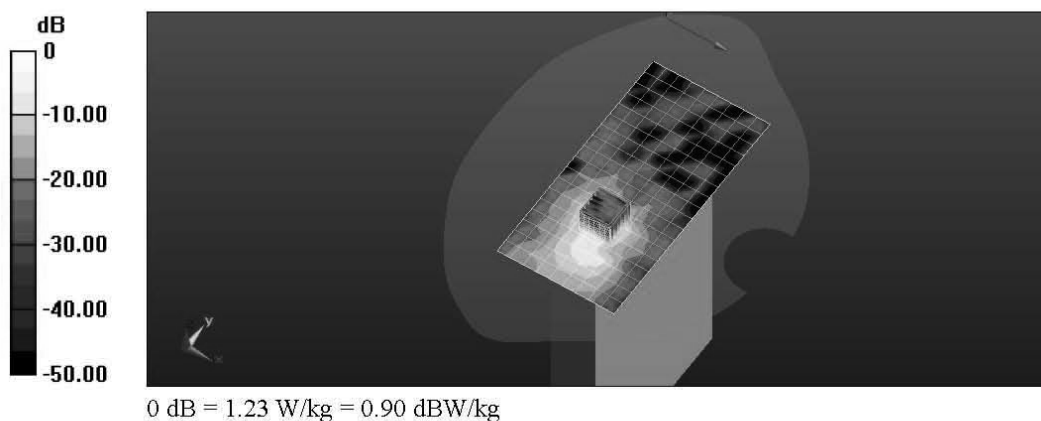
Zoom Scan (7x7x16)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.262 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.149 W/kg

Maximum value of SAR (measured) = 1.23 W/kg



APPENDIX C : SAR Tissue Data

frequencye'	e''	
2400000000.0000	52.0003	13.9979
2402000000.0000	52.0021	13.9954
2404000000.0000	51.9956	14.0070
2406000000.0000	51.9760	14.0052
2408000000.0000	51.9518	14.0054
2410000000.0000	51.9541	14.0210
2412000000.0000	51.9441	14.0446
2414000000.0000	51.9381	14.0445
2416000000.0000	51.9377	14.0487
2418000000.0000	51.9282	14.0456
2420000000.0000	51.9212	14.0356
2422000000.0000	51.9049	14.0449
2424000000.0000	51.8803	14.0535
2426000000.0000	51.8783	14.0860
2428000000.0000	51.8929	14.0900
2430000000.0000	51.8770	14.0877
2432000000.0000	51.8605	14.0787
2434000000.0000	51.8382	14.0770
2436000000.0000	51.8247	14.0942
2438000000.0000	51.8223	14.1199
2440000000.0000	51.8350	14.1340
2442000000.0000	51.8214	14.1214
2444000000.0000	51.8059	14.1189
2446000000.0000	51.7833	14.1404
2448000000.0000	51.7961	14.1543
2450000000.0000	51.7814	14.1583
2452000000.0000	51.7842	14.1701
2454000000.0000	51.7680	14.1610
2456000000.0000	51.7607	14.1707
2458000000.0000	51.7506	14.1840
2460000000.0000	51.7520	14.1827
2462000000.0000	51.7448	14.1923
2464000000.0000	51.7506	14.2002
2466000000.0000	51.7362	14.2042
2468000000.0000	51.7219	14.2080
2470000000.0000	51.7027	14.2256
2472000000.0000	51.7087	14.2335
2474000000.0000	51.7232	14.2304
2476000000.0000	51.7090	14.2342
2478000000.0000	51.7095	14.2493
2480000000.0000	51.7131	14.2377
2482000000.0000	51.7039	14.2540
2484000000.0000	51.6893	14.2660

2486000000.0000	51.6848	14.2800
2488000000.0000	51.6854	14.2950
2490000000.0000	51.6752	14.2899
2492000000.0000	51.6748	14.2836
2494000000.0000	51.6716	14.2810
2496000000.0000	51.6550	14.2883
2498000000.0000	51.6411	14.3034
2500000000.0000	51.6332	14.3145

frequency'	e''	
5100000000.0000	49.9228	18.1442
5108000000.0000	49.8966	18.1063
5116000000.0000	49.7121	17.9816
5124000000.0000	49.7299	17.8490
5132000000.0000	49.4676	17.7958
5140000000.0000	49.6644	17.8522
5148000000.0000	49.2418	18.0103
5156000000.0000	49.5060	18.1607
5164000000.0000	49.6092	18.2118
5172000000.0000	49.7180	18.1456
5180000000.0000	49.6277	17.9757
5188000000.0000	49.3983	17.8491
5196000000.0000	49.1403	17.8550
5204000000.0000	49.2109	17.9776
5212000000.0000	49.0972	18.1803
5220000000.0000	49.4086	18.2785
5228000000.0000	49.6787	18.2328
5236000000.0000	49.4599	18.0937
5244000000.0000	49.2928	17.9542
5252000000.0000	49.7445	17.9263
5260000000.0000	49.8789	18.0032
5268000000.0000	49.9120	18.1617
5276000000.0000	50.0622	18.2921
5284000000.0000	49.2159	18.3056
5292000000.0000	49.2720	18.1881
5300000000.0000	49.1098	18.0526
5308000000.0000	49.3488	17.9861
5316000000.0000	49.5455	18.0167
5324000000.0000	49.6976	18.1533
5332000000.0000	49.8480	18.3173
5340000000.0000	49.8995	18.3732
5348000000.0000	49.7654	18.3171
5356000000.0000	49.6110	18.1656
5364000000.0000	49.9140	18.0160
5372000000.0000	49.7425	17.9867
5380000000.0000	49.4845	18.1092
5388000000.0000	49.5637	18.2921
5396000000.0000	49.7210	18.4057
5404000000.0000	49.8487	18.3910
5412000000.0000	49.4408	18.2572
5420000000.0000	49.6619	18.1135
5428000000.0000	49.4846	18.0711
5436000000.0000	49.7595	18.1393

5444000000.0000	49.3706	18.3032
5452000000.0000	49.5023	18.4247
5460000000.0000	49.8548	18.4566
5468000000.0000	49.6449	18.3555
5476000000.0000	49.5035	18.2017
5484000000.0000	49.3576	18.1222
5492000000.0000	49.3975	18.1590
5500000000.0000	49.3780	18.2927