

Appendix B. MEASUREMENT SCANS

2.4Gwifi Body Faceup Mid 5mm

Communication System: UID 0, WIFI 2.4G (0); Communication System Band: wifi2.4G;

Frequency: 2442 MHz; Communication System PAR: 1.87 dB; PMF: 1.04833

Medium parameters used (interpolated): $f = 2442$ MHz; $\sigma = 1.77$ S/m; $\epsilon_r = 39.586$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.51, 7.51, 7.51) @ 2442 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Faceup Mid/Area Scan (71x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 8.135 V/m; Power Drift = -0.10 dB

Fast SAR: SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.128 W/kg

Maximum value of SAR (interpolated) = 0.294 W/kg

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

Reference Value = 8.135 V/m; Power Drift = -0.10 dB

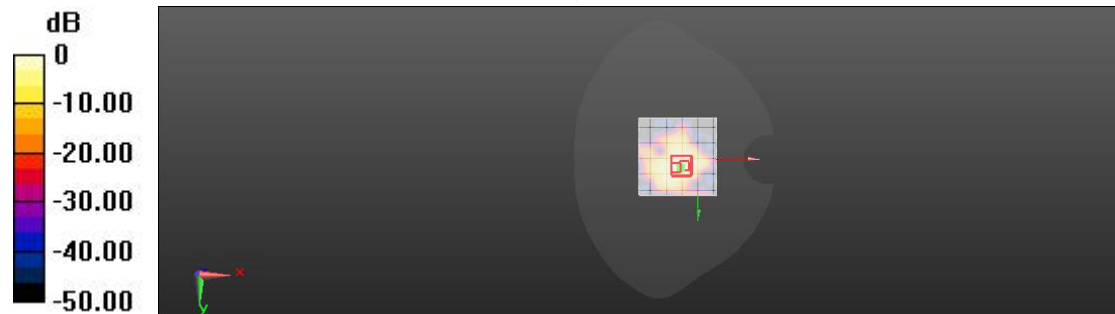
Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.136 W/kg

Smallest distance from peaks to all points 3 dB below = 2 mm

Ratio of SAR at M2 to SAR at M1 = 64.9%

Maximum value of SAR (measured) = 0.317 W/kg



0 dB = 0.294 W/kg = -5.32 dBW/kg

5.2Gwifi Body Faceup High 5mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WiFi 5.2G;

Frequency: 5240 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.686$ S/m; $\epsilon_r = 35.913$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(5.24, 5.24, 5.24) @ 5240 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Faceup High/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 2.170 V/m; Power Drift = 0.17 dB

Fast SAR: SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.047 W/kg

Maximum value of SAR (interpolated) = 0.106 W/kg

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

Reference Value = 2.170 V/m; Power Drift = 0.17 dB

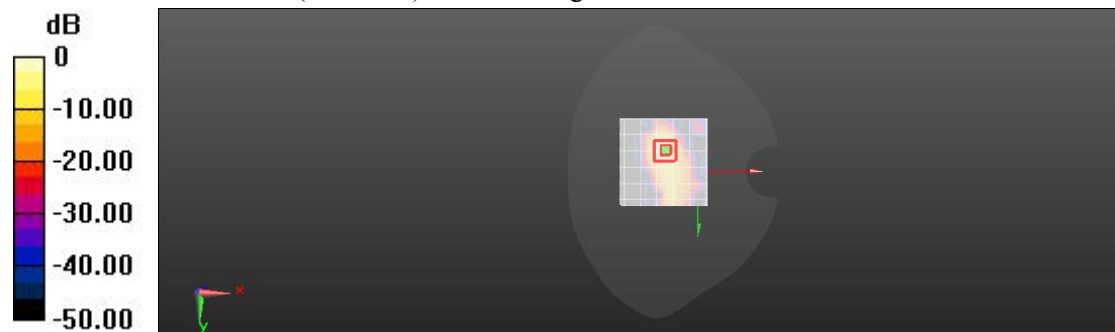
Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.051 W/kg

Smallest distance from peaks to all points 3 dB below = 4 mm

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

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



0 dB = 0.106 W/kg = -9.75 dBW/kg

5.2Gwifi Body Facedown Mid 0mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WiFi 5.2G;

Frequency: 5200 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.767$ S/m; $\epsilon_r = 34.764$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(5.24, 5.24, 5.24) @ 5200 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Facedown Mid/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 2.596 V/m; Power Drift = 0.03 dB

Fast SAR: SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.072 W/kg

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

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

Reference Value = 2.596 V/m; Power Drift = 0.03 dB

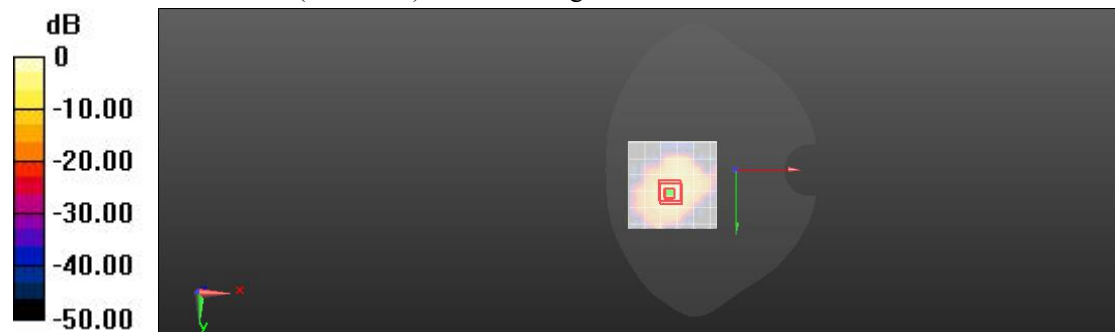
Peak SAR (extrapolated) = 0.205 W/kg

SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.069 W/kg

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

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

Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.169 W/kg = -7.72 dBW/kg

5.3Gwifi Body Faceup High 5mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WIFI 5.3G;

Frequency: 5320 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.89$ S/m; $\epsilon_r = 35.064$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(5.24, 5.24, 5.24) @ 5320 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Faceup High/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 1.22 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.054 W/kg

Maximum value of SAR (interpolated) = 0.148 W/kg

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

Reference Value = 1.22 V/m; Power Drift = 0.05 dB

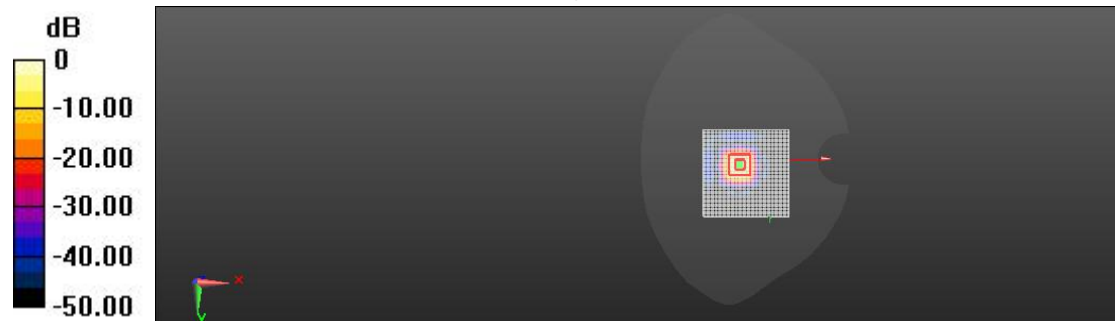
Peak SAR (extrapolated) = 0.184 W/kg

SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.045 W/kg

Smallest distance from peaks to all points 3 dB below = 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 59.2%

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



0 dB = 0.148 W/kg = -8.30 dBW/kg

5.3Gwifi Body Facedown High 0mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WIFI 5.3G;

Frequency: 5320 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used: $f = 5320$ MHz; $\sigma = 4.89$ S/m; $\epsilon_r = 35.064$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(5.24, 5.24, 5.24) @ 5320 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Facedown High/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 4.010 V/m; Power Drift = 0.16 dB

Fast SAR: SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (interpolated) = 0.266 W/kg

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

Reference Value = 4.010 V/m; Power Drift = 0.16 dB

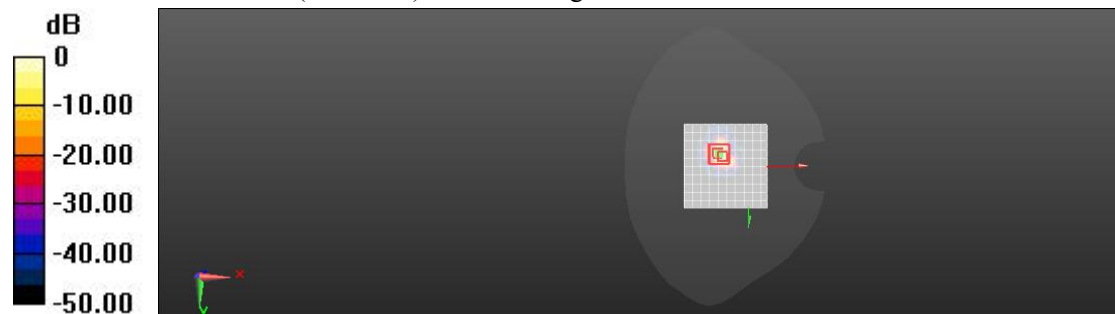
Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 0.290 W/kg; SAR(10 g) = 0.102 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

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

Maximum value of SAR (measured) = 0.278 W/kg



0 dB = 0.266 W/kg = -5.75 dBW/kg

5.6Gwifi Body Faceup Mid 5mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WIFI 5.6G;

Frequency: 5600 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.237$ S/m; $\epsilon_r = 34.535$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(4.60, 4.60, 4.60) @ 5600 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Faceup Mid/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 0.841 V/m; Power Drift = 0.08 dB

Fast SAR: SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (interpolated) = 0.159 W/kg

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

Reference Value = 0.841 V/m; Power Drift = 0.08 dB

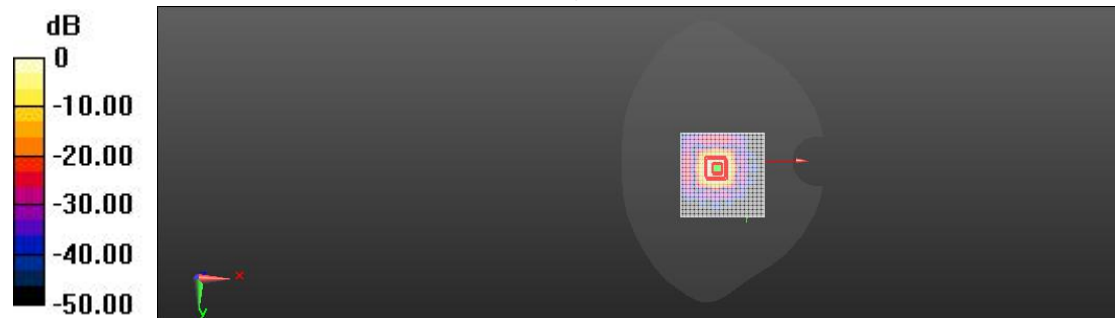
Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.084 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 43.2%

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



0 dB = 0.159 W/kg = -7.99 dBW/kg

5.6Gwifi Body Facedown Mid 0mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WIFI 5.6G;

Frequency: 5600 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.237$ S/m; $\epsilon_r = 34.535$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(4.60, 4.60, 4.60) @ 5600 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Facedown Mid/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 2.674 V/m; Power Drift = 0.05 dB

Fast SAR: SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (interpolated) = 0.918 W/kg

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

Reference Value = 2.674 V/m; Power Drift = 0.05 dB

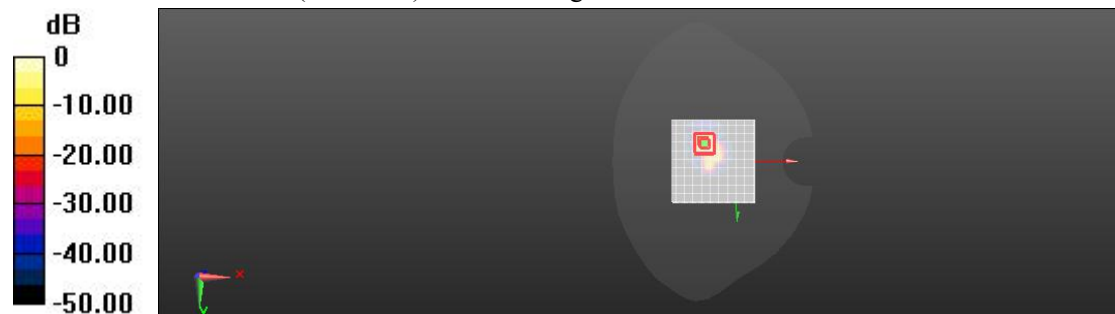
Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.188 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 51.3%

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



0 dB = 0.918 W/kg = -0.37 dBW/kg

5.8Gwifi Body Faceup Low 5mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WIFI 5.8G;
Frequency: 5745 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954
Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.414$ S/m; $\epsilon_r = 34.211$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(4.68, 4.68, 4.68) @ 5745 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Faceup Low/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 1.55 V/m; Power Drift = -0.03 dB

Fast SAR: SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (interpolated) = 0.221 W/kg

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

Reference Value = 1.55 V/m; Power Drift = -0.03 dB

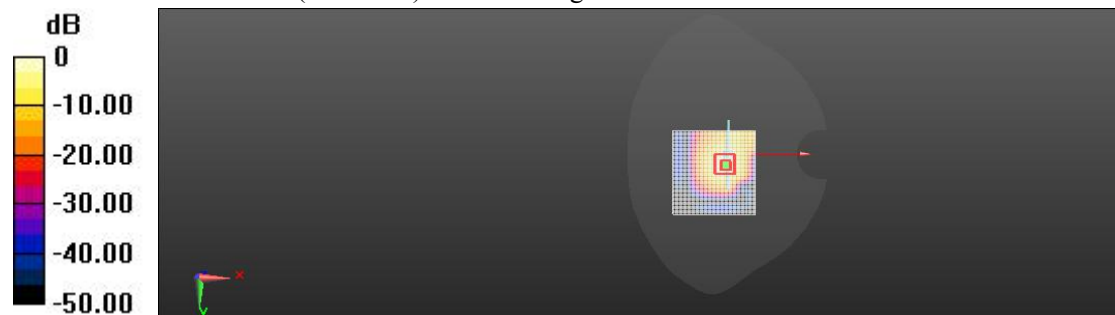
Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.099 W/kg

Smallest distance from peaks to all points 3 dB below = 11.7 mm

Ratio of SAR at M2 to SAR at M1 = 54.0%

Maximum value of SAR (measured) = 0.186 W/kg



0 dB = 0.221 W/kg = -6.56 dBW/kg

5.8Gwifi Body Facedown Low 0mm

Communication System: UID 0, WIFI 5G (0); Communication System Band: WIFI 5.8G;

Frequency: 5745 MHz; Communication System PAR: 8.363 dB; PMF: 1.04954

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.414$ S/m; $\epsilon_r = 34.211$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(4.68, 4.68, 4.68) @ 5745 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Body/Facedown Low/Area Scan (91x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Reference Value = 2.59 V/m; Power Drift = -0.18 dB

Fast SAR: SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (interpolated) = 0.285 W/kg

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

Reference Value = 2.59 V/m; Power Drift = -0.18 dB

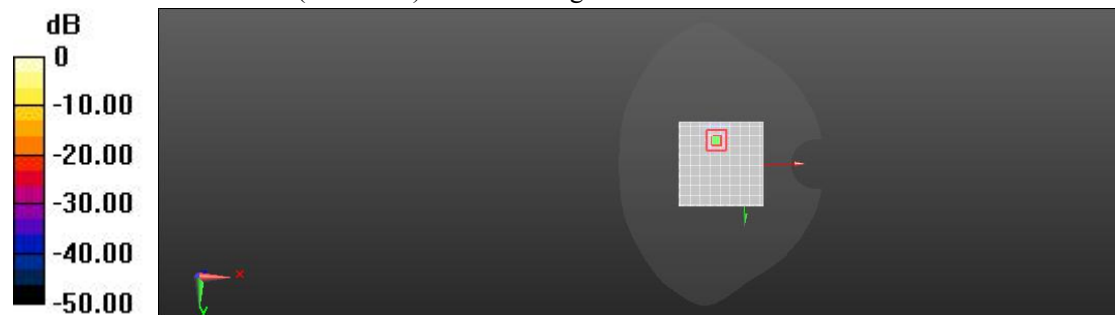
Peak SAR (extrapolated) = 0.841 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.091 W/kg

Smallest distance from peaks to all points 3 dB below = 12.0 mm

Ratio of SAR at M2 to SAR at M1 = 37.2%

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



0 dB = 0.285 W/kg = -5.45 dBW/kg

BT Body Faceup High 5mm

Communication System: UID 0, BT (0); Communication System Band: BT; Frequency: 2480 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2480$ MHz; $\sigma = 1.736$ S/m; $\epsilon_r = 39.568$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.51, 7.51, 7.51) @ 2480 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

BT Flat/Faceup High/Area Scan (71x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 3.598 V/m; Power Drift = 0.15 dB

Fast SAR: SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.082 W/kg

Maximum value of SAR (interpolated) = 0.174 W/kg

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

Reference Value = 3.598 V/m; Power Drift = 0.15 dB

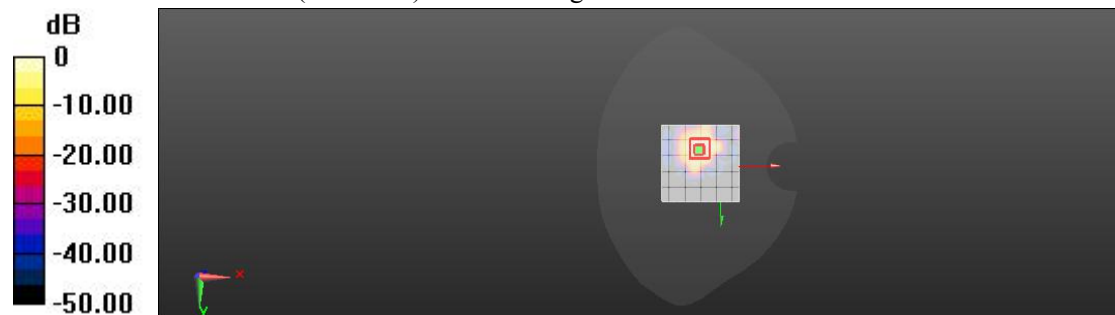
Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.079 W/kg

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

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

Maximum value of SAR (measured) = 0.171 W/kg



0 dB = 0.174 W/kg = -7.59 dBW/kg

BT Facedown Low 0mm

Communication System: UID 0, BT (0); Communication System Band: BT; Frequency: 2402 MHz; Communication System PAR: 0 dB; PMF: 1

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.736$ S/m; $\epsilon_r = 39.568$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3881; ConvF(7.51, 7.51, 7.51) @ 2402 MHz; Calibrated: 2024-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1637; Calibrated: 2024-10-15
- Phantom: SAM 3; Type: QD 000 P41 AA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

BT Flat/Low/Area Scan (71x71x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Reference Value = 3.707 V/m; Power Drift = 0.11 dB

Fast SAR: SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (interpolated) = 0.272 W/kg

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

Reference Value = 3.707 V/m; Power Drift = 0.11 dB

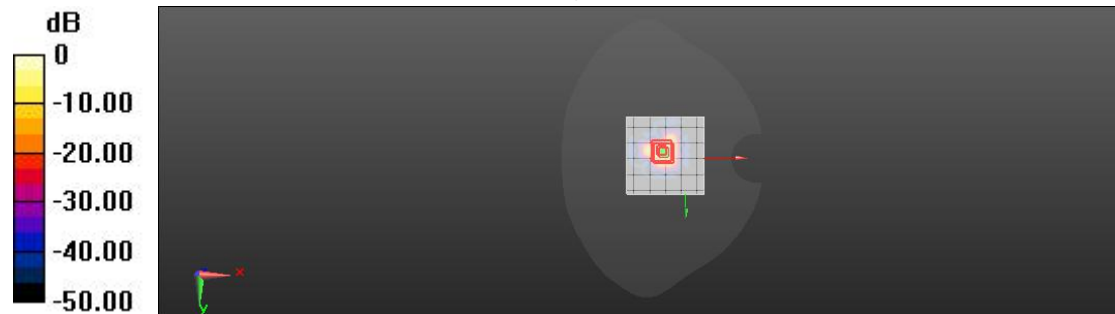
Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.108 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 69.4%

Maximum value of SAR (measured) = 0.264 W/kg



0 dB = 0.272 W/kg = -5.65 dBW/kg