



# Appendix B

## Detailed Test Results

1. WIFI
WIFI 2.4GHz for Body
WIFI 5.2GHz for Body
WIFI 5.8GHz for Body



Test Laboratory: LCS-SAR Lab

**WIFI 2.4G 802.11b 11CH Rear side 0mm Ant1****DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$  S/m;  $\epsilon_r = 39.93$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.649 W/kg

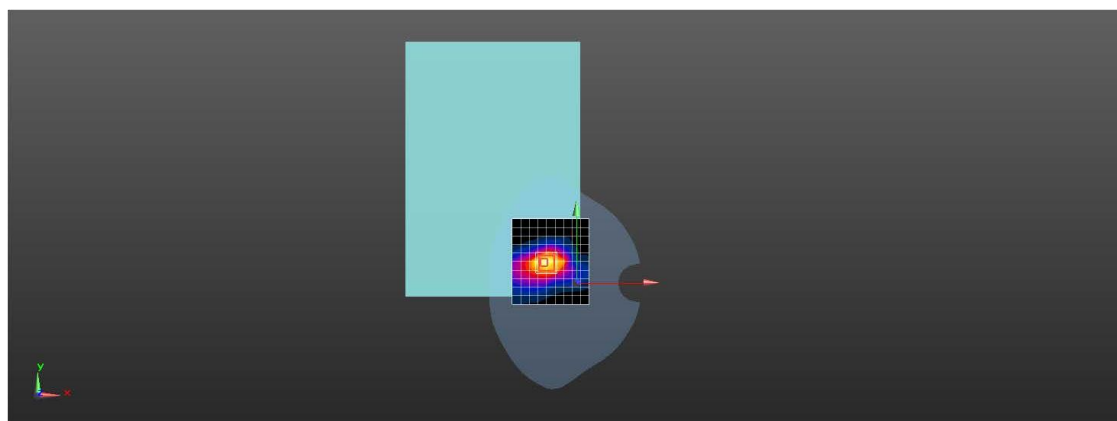
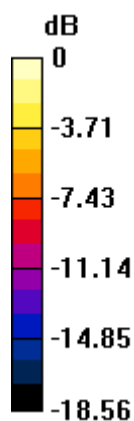
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.638 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.91 W/kg

**SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.945 W/kg



0 dB = 0.649 W/kg = -1.88 dBW/kg



Test Laboratory: LCS-SAR Lab

**WIFI 2.4G 802.11b 1CH Rear side 0mm Ant2****DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.794$  S/m;  $\epsilon_r = 40.169$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.717 W/kg

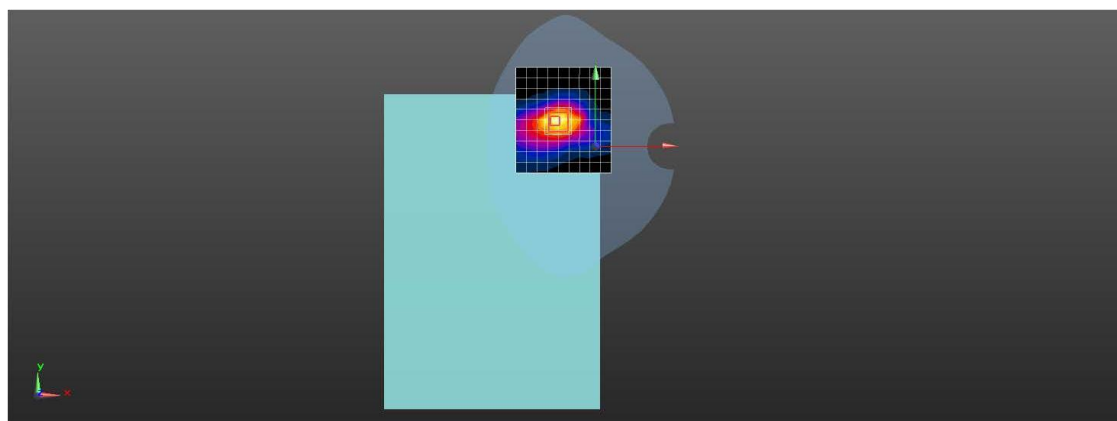
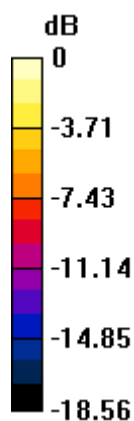
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.638 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 0.717 W/kg = -1.44 dBW/kg



Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11a 40CH Rear side 0mm Ant1****DUT: BHWL Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5190 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200$  MHz;  $\sigma = 4.606$  S/m;  $\epsilon_r = 36.637$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.45, 5.45, 5.45); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (12x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.217 W/kg

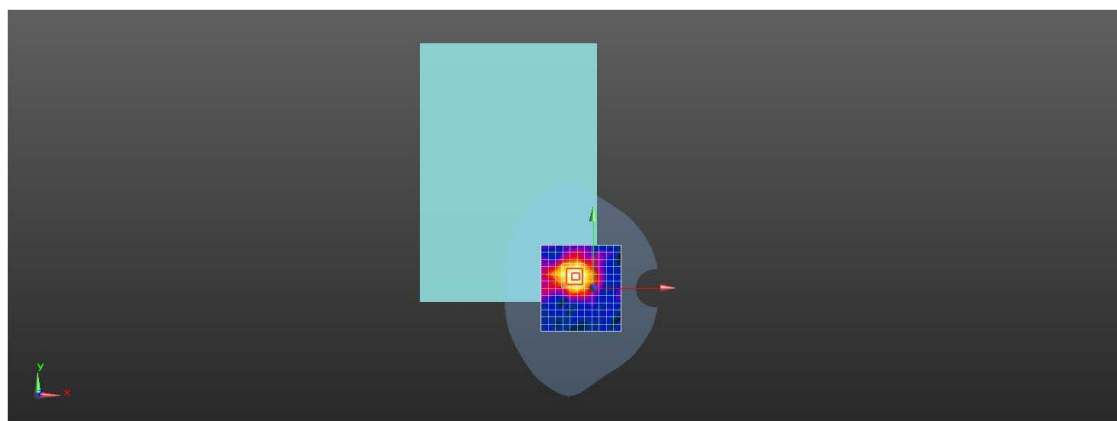
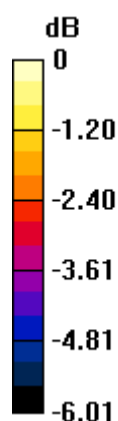
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.651 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.269 W/kg

**SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.148 W/kg**

Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg



Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11a 48CH Rear side 0mm Ant2****DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5240 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.721$  S/m;  $\epsilon_r = 36.427$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.45, 5.45, 5.45); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (12x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.225 W/kg

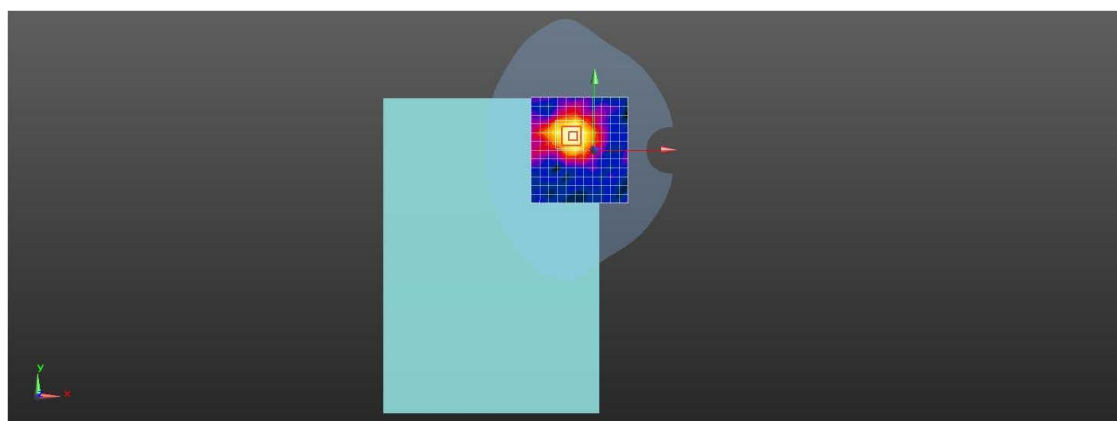
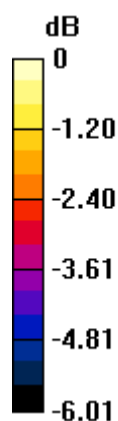
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.688 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.203 W/kg; SAR(10 g) = 0.154 W/kg**

Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.225 W/kg = -6.48 dBW/kg



Test Laboratory: LCS-SAR Lab

**WIFI 5.8G 802.11a 157CH Rear side 0mm Ant1****DUT: BHWL Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.258$  S/m;  $\epsilon_r = 35.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.96, 4.96, 4.96); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (12x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.246 W/kg

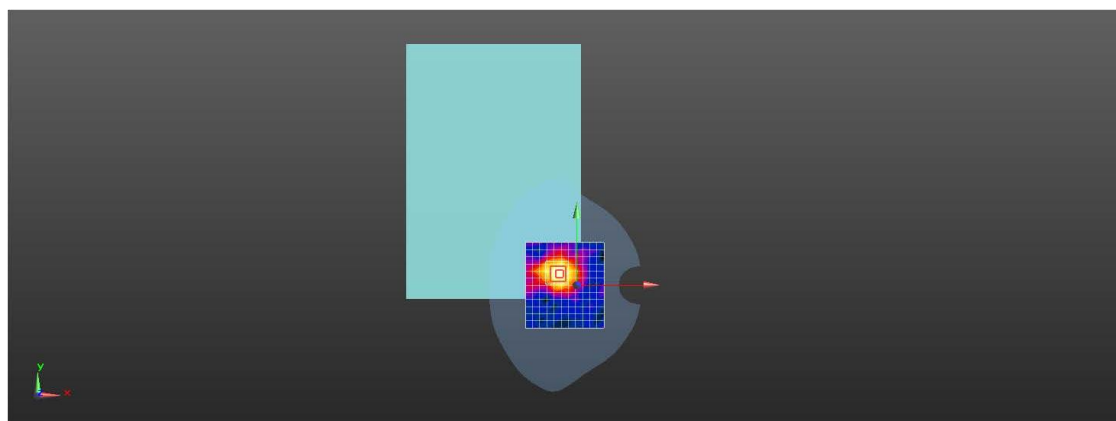
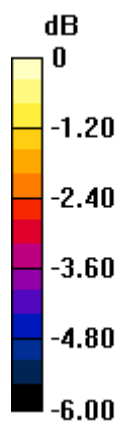
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.722 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.305 W/kg

**SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.246 W/kg = -6.09 dBW/kg



Test Laboratory: LCS-SAR Lab

**WIFI 5.8G 802.11a 157CH Rear side 0mm Ant2****DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5785 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.258$  S/m;  $\epsilon_r = 35.041$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.96, 4.96, 4.96); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection),
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (12x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.253 W/kg

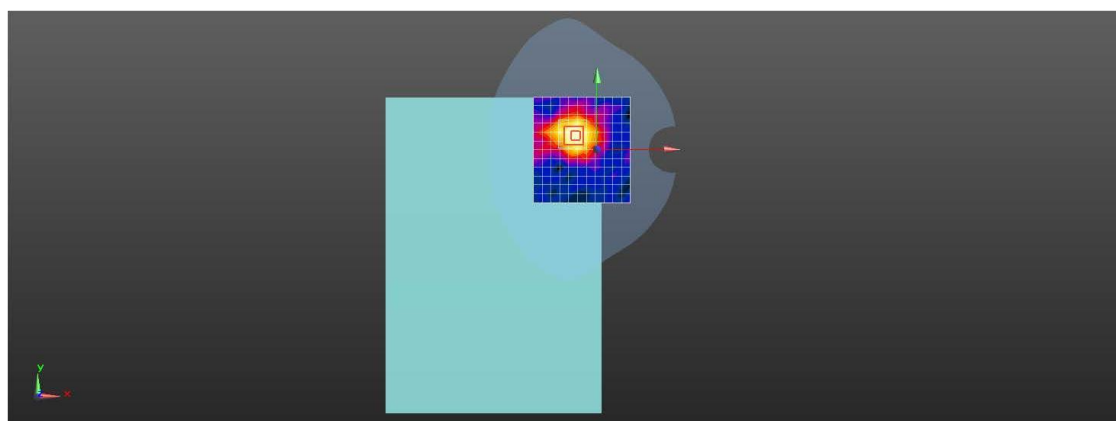
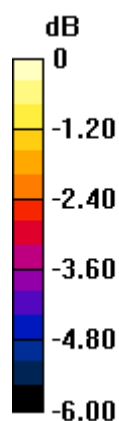
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.722 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.313 W/kg

**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.173 W/kg**

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



0 dB = 0.253 W/kg = -5.97 dBW/kg

