

Appendix B

Detailed Test Results

WIFI 2.4G for Body & Limbs
WIFI 5G for Body & Limbs
BT for Body & Limbs

RC-100 WIFI 2.4G 11CH Bottom side 5mm**RTX-4G**

Communication System: WLAN 2.4GHz; Frequency: 2462.000

Medium: HSL. Medium parameters used: $f = 2462.000$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 38.1$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.95, 7.95, 7.95); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn702; Calibrated: 2023-11-17
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.2.4.2524

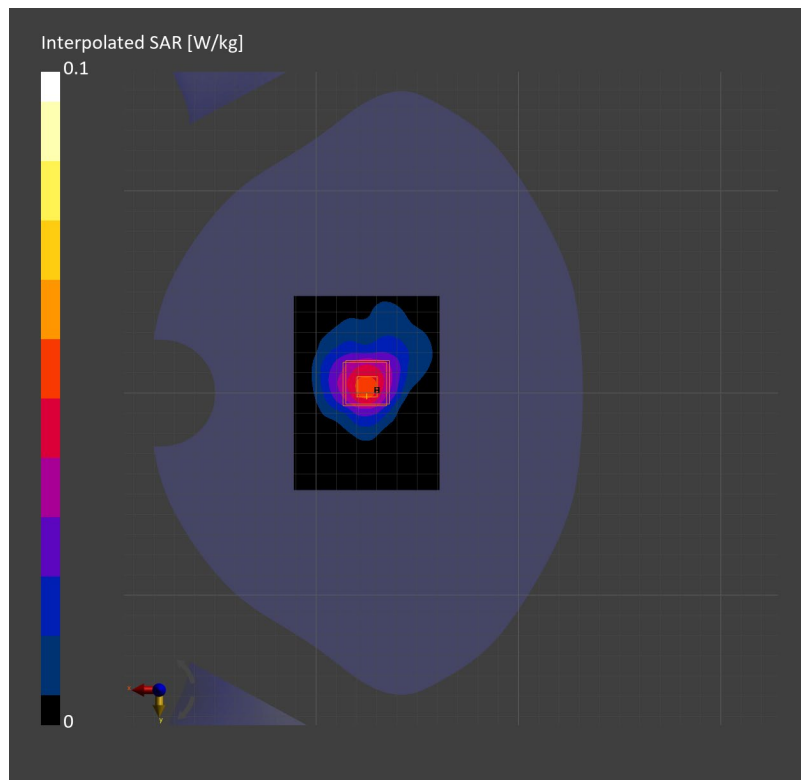
Area Scan (72.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 0.044 W/kg; SAR (10g) = 0.022 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = -0.40 dB

SAR (1g) = 0.049 W/kg; SAR (10g) = 0.023 W/kg;



RC-100 WIFI 2.4G 11CH Bottom side 0mm**RTX-4G**

Communication System: WLAN 2.4GHz; Frequency: 2462.000

Medium: HSL. Medium parameters used: $f = 2462.000$ MHz; $\sigma = 1.89$ S/m; $\epsilon_r = 38.1$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.95, 7.95, 7.95); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn702; Calibrated: 2023-11-17
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.2.4.2524

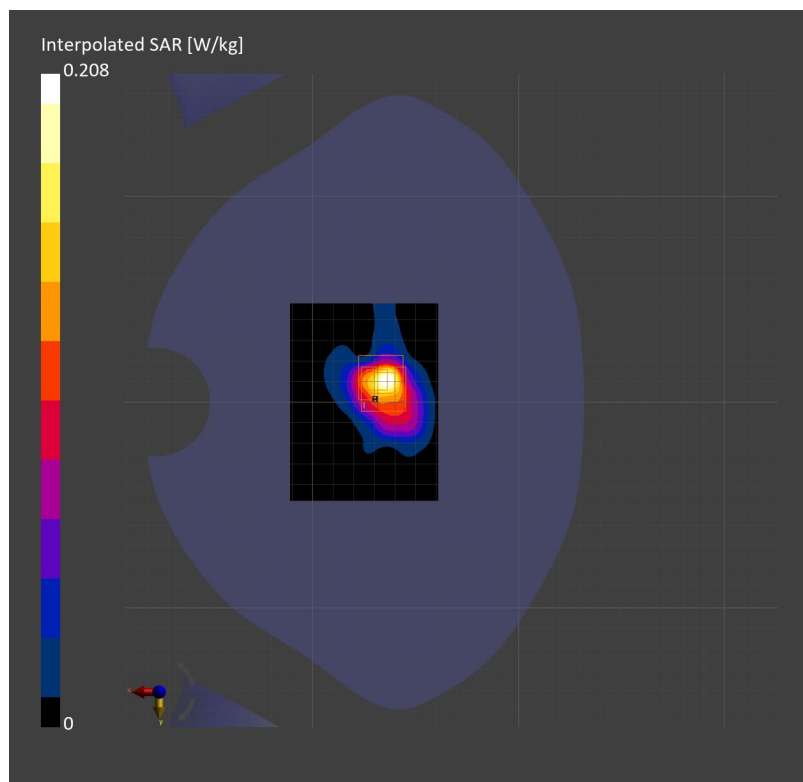
Area Scan (72.0 mm x 96.0 mm): Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 0.083 W/kg; SAR (10g) = 0.038 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = 0.44 dB

SAR (1g) = 0.089 W/kg; SAR (10g) = 0.035 W/kg;



RC-100 SDR 20M 5839.5Freq Top side 5mm-Ant0

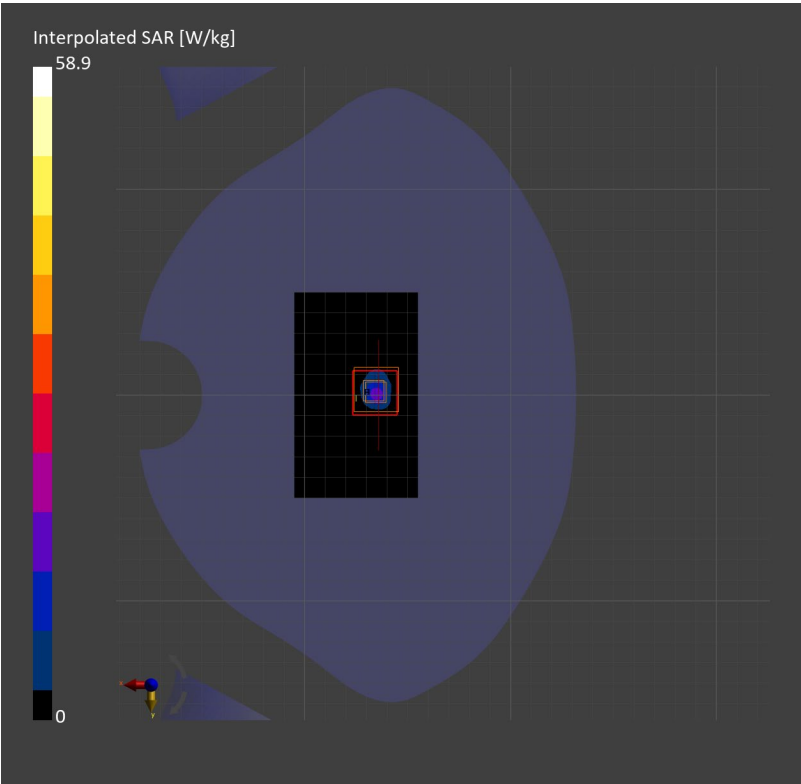
RTX-4G

Communication System: Custom Band; Frequency: 5839.500
Medium: HSL. Medium parameters used: $f=5839.500$ MHz; $\sigma=5.55$ S/m; $\epsilon_r=35.4$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(5.16, 5.16, 5.16); Calibrated: 2024-07-17
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn702; Calibrated: 2023-11-17
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.2.4.2524

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 2.42 W/kg; SAR (10g) = 0.788 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 2.0 mm
Power Drift = -0.05 dB
SAR (1g) = 2.61 W/kg; SAR (10g) = 0.869 W/kg;



RC-100 SDR 20M 5839.5Freq Top side 0mm-Ant0

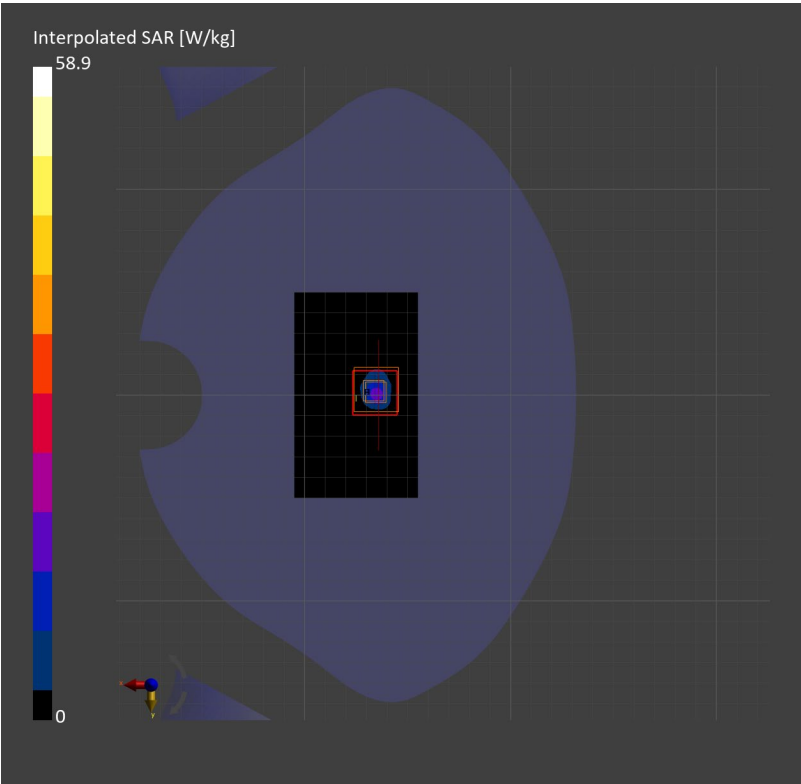
RTX-4G

Communication System: Custom Band; Frequency: 5839.500
Medium: HSL. Medium parameters used: $f=5839.500$ MHz; $\sigma=5.55$ S/m; $\epsilon_r=35.4$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(5.16, 5.16, 5.16); Calibrated: 2024-07-17
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn702; Calibrated: 2023-11-17
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.2.4.2524

Area Scan (60.0 mm x 100.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 10.3 W/kg; SAR (10g) = 2.43 W/kg;

Zoom Scan (24.0 mm x 24.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 2.0 mm
Power Drift = -0.11 dB
SAR (1g) = 12.3 W/kg; SAR (10g) = 2.76 W/kg;



RC-100 Bluetooth GPSK 39CH Front side 5mm

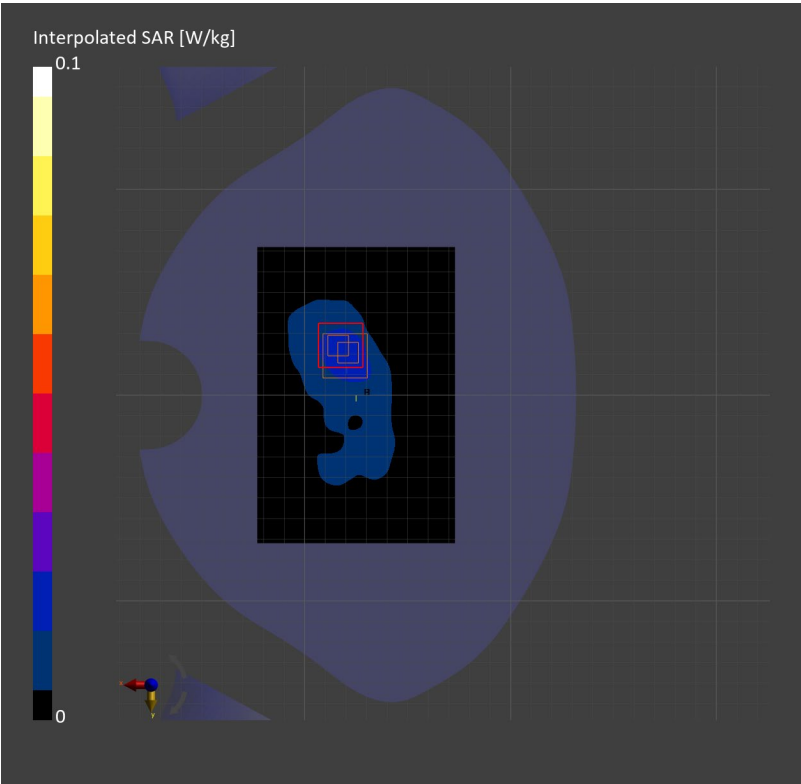
RTX-4G

Communication System: ISM 2.4 GHz Band; Frequency: 2480.000
Medium: HSL. Medium parameters used: $f=2480.000$ MHz; $\sigma=1.91$ S/m; $\epsilon_r=38.0$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(7.95, 7.95, 7.95); Calibrated: 2024-07-17
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4 Sn702; Calibrated: 2023-11-17
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
 - Measurement Software: cDASY8 V16.2.4.2524

Area Scan (96.0 mm x 144.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 0.018 W/kg; SAR (10g) = 0.01 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm
Power Drift = -0.08 dB
SAR (1g) = 0.019 W/kg; SAR (10g) = 0.007 W/kg;



RC-100 Bluetooth GPSK 39CH Front side 0mm**RTX-4G**

Communication System: ISM 2.4 GHz Band; Frequency: 2480.000

Medium: HSL. Medium parameters used: $f = 2480.000$ MHz; $\sigma = 1.91$ S/m; $\epsilon_r = 38.0$

DASY8 Configuration:

- Probe: EX3DV4 - SN7636; ConvF(7.95, 7.95, 7.95); Calibrated: 2024-07-17
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn702; Calibrated: 2023-11-17
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2146
- Measurement Software: cDASY8 V16.2.4.2524

Area Scan (96.0 mm x 144.0 mm): Measurement Grid: 12.0 mm x 12.0 mm

SAR (1g) = 0.093 W/kg; SAR (10g) = 0.048 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 5.0 mm

Power Drift = 0.03 dB

SAR (1g) = 0.086 W/kg; SAR (10g) = 0.044 W/kg;

