Appendix B

Detailed Test Results

WIFI 2.4G SDR for Body & Extremity
WIFI 5G SDR for Body & Extremity

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FCGCDDRC SDR 2.4G 10M 2437.5MHz Bottom side 0mm MIMO

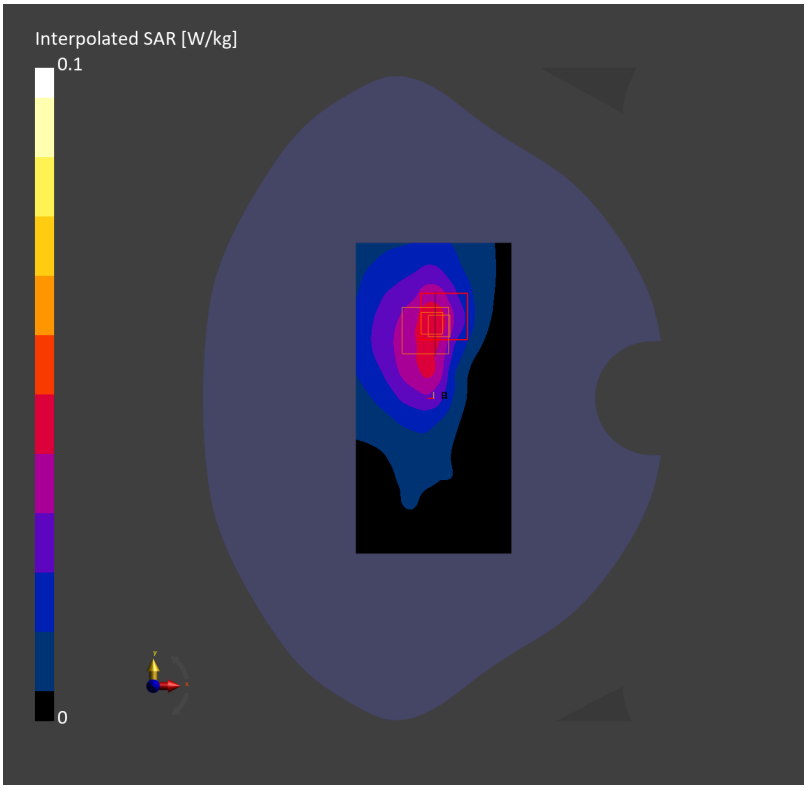
FCGCDDRC

Communication System: Custom Band; Frequency: 2437.500
Medium: Head Simulating Liquid. Medium parameters used: f= 2437.500 MHz; σ= 1.80 S/m; ε_r = 40.3

DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (72.0 mm x 144.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 0.040 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 = -0.01 dB
SAR (1g) = 0.035 W/kg; SAR (10g) = 0.013 W/kg;
M2/M1 [%]=57.7
Dist 3dB Peak [mm]=6.0



FCGCDDRC SDR 2.4G 10M 2437.5MHz Top side 0mm MIMO

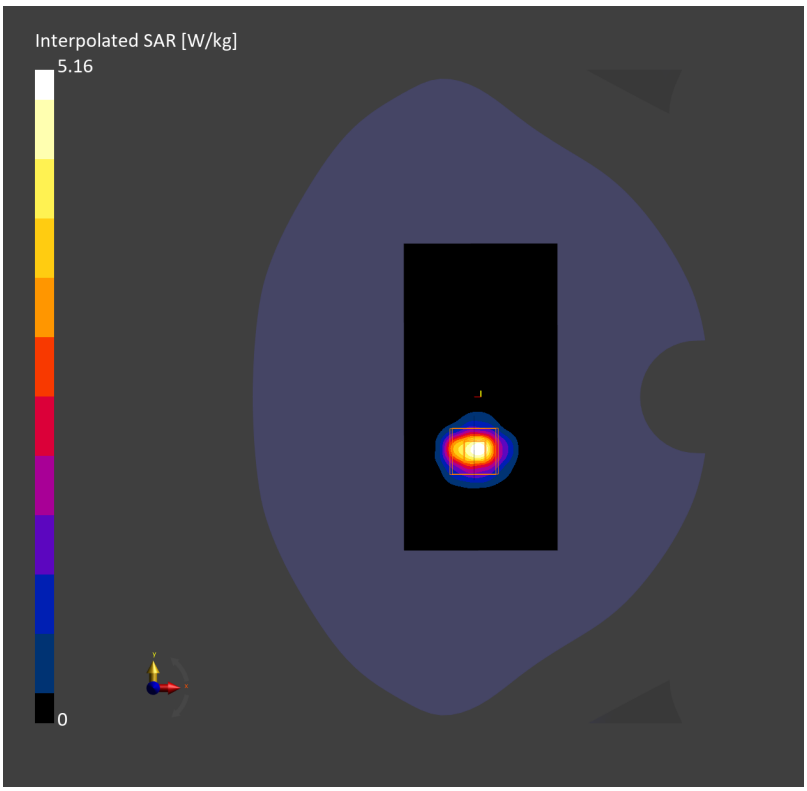
FCGCDDRC

Communication System: Custom Band; Frequency: 2437.500
Medium: Head Simulating Liquid. Medium parameters used: f= 2437.500 MHz; σ= 1.80 S/m; ε_r = 40.3

DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(7.13, 6.8, 7.01); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (72.0 mm x 144.0 mm): Measurement Grid: 12.0 mm x 12.0 mm
SAR (1g) = 2.15 W/kg; SAR (10g) = 0.875 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 = -0.04 dB
SAR (1g) = 2.21 W/kg; SAR (10g) = 0.844 W/kg;
M2/M1 [%]=43.3
Dist 3dB Peak [mm]=7.1



FCGCDDRC SDR 5G 40M 5230MHz Bottom side 0mm MIMO

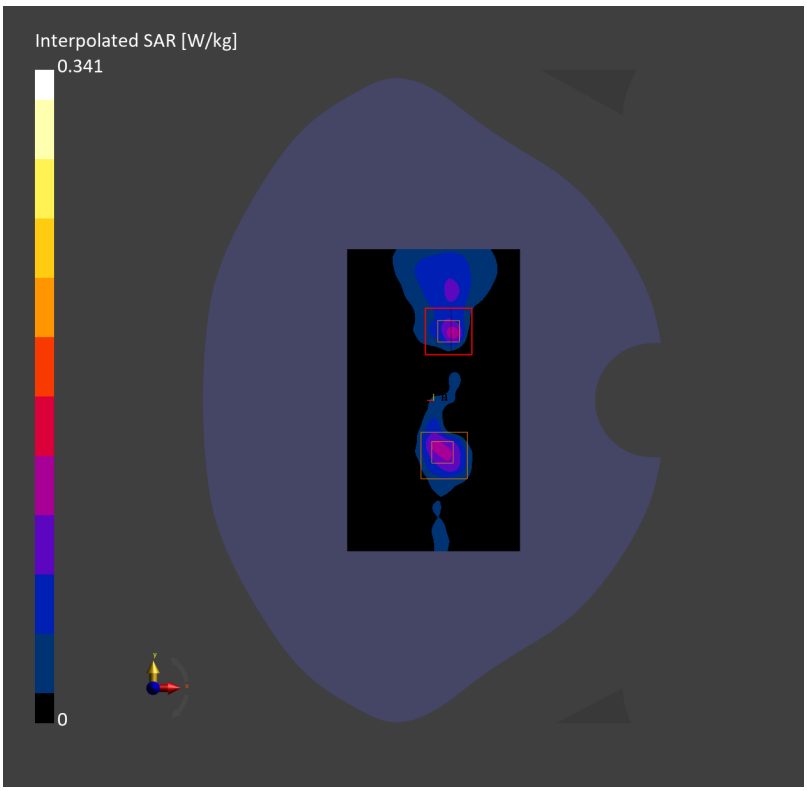
FCGCDDRC

Communication System: Custom Band; Frequency: 5230.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5230.000 MHz; σ= 4.74 S/m; ε_r = 36.6

DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.52, 5.26, 5.42); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (80.0 mm x 140.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.091 W/kg; SAR (10g) = 0.030 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 = -0.03 dB
SAR (1g) = 0.068 W/kg; SAR (10g) = 0.016 W/kg;
M2/M1 [%]=59.1
Dist 3dB Peak [mm]=5.6



FCGCDDRC SDR 5G 40M 5230MHz Top side 0mm MIMO

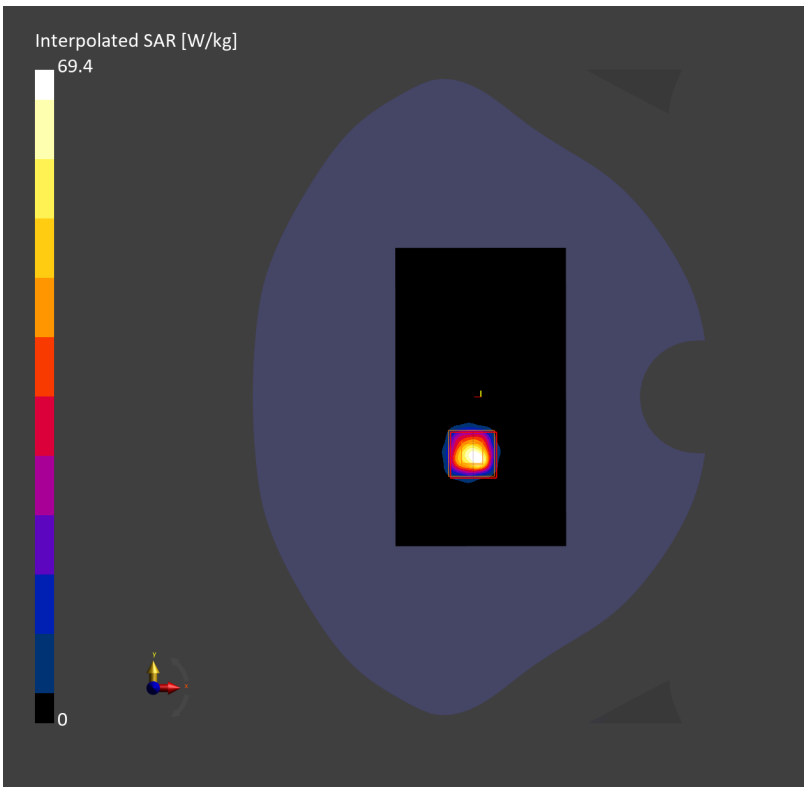
FCGCDDRC

Communication System: Custom Band; Frequency: 5230.000
Medium: Head Simulating Liquid. Medium parameters used: f= 5230.000 MHz; σ= 4.74 S/m; ε_r = 36.6

DASY8 Configuration:
- Probe: EX3DV4 - SN7838; ConvF(5.52, 5.26, 5.42); Calibrated: 2024-11-20
- Sensor-Surface: 1.4 mm
- Electronics: DAE4ip Sn1803; Calibrated: 2024-08-08
- Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
- Measurement Software: cDASY8 V16.4.0.5005

Area Scan (80.0 mm x 140.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 9.43 W/kg; SAR (10g) = 2.66 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 = -0.03 dB
SAR (1g) = 15.3 W/kg; SAR (10g) = 3.19 W/kg;
M2/M1 [%]=52.4
Dist 3dB Peak [mm]=4.7



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