

Appendix B

Detailed Test Results

CatM Band 2 for Limbs
CatM Band 4 for Limbs
CatM Band 12 for Limbs
CatM Band 13 for Limbs

BGM2280-A LTE Band 2 20M QPSK 1RB5 19100CH Back side 0mm

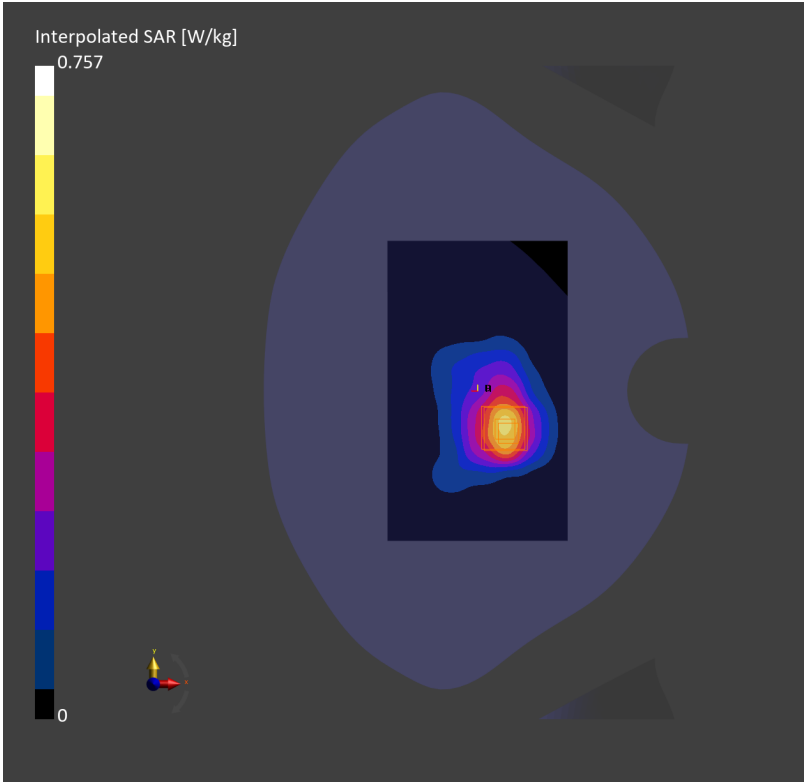
BGM2280-A

Communication System: Band 2; Frequency: 1900.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1900.000 MHz; σ = 1.39 S/m; ϵ_r = 40.5

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(8.4, 8.4, 8.4); Calibrated: 2025-08-26
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2025-08-15
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (90.0 mm x 150.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 0.491 W/kg; SAR (10g) = 0.270 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 8.0 mm x 8.0 mm x 4.0 mm
Power Drift = 0.00 dB
SAR (1g) = 0.553 W/kg; SAR (10g) = 0.289 W/kg;
M2/M1 [%]=57.2
Dist 3dB Peak [mm]=11.6



BGM2280-A LTE Band 4 20M QPSK 1RB0 20050CH Left side 0mm

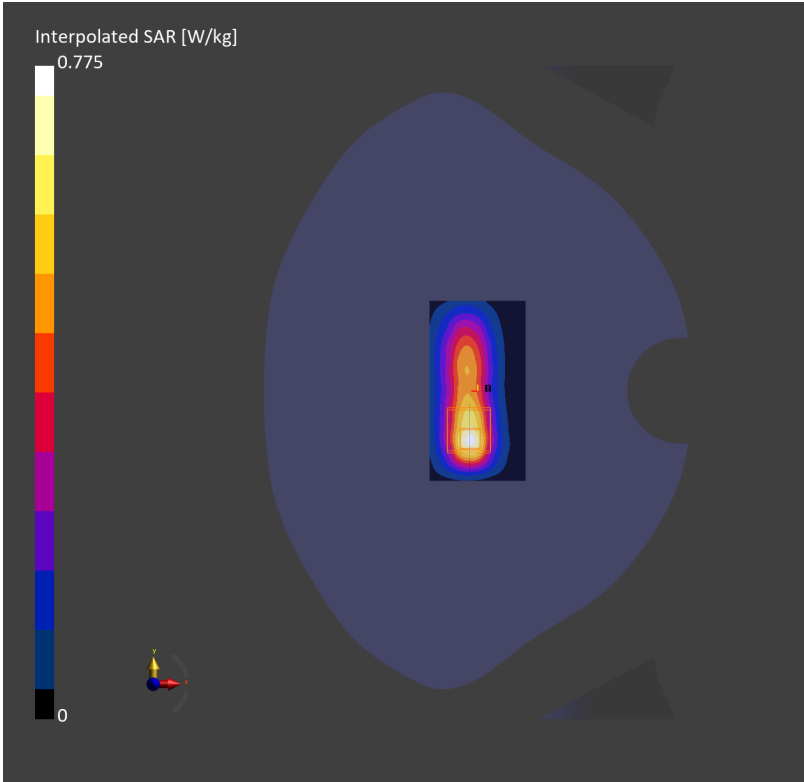
BGM2280-A

Communication System: Band 4; Frequency: 1720.000
Medium: Head Simulating Liquid. Medium parameters used: f= 1720.000 MHz; σ = 1.30 S/m; ϵ_r = 40.2

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(8.75, 8.75, 8.75); Calibrated: 2025-08-26
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2025-08-15
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (48.0 mm x 90.0 mm): Measurement Grid: 8.0 mm x 15.0 mm
SAR (1g) = 0.575 W/kg; SAR (10g) = 0.300 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 4.0 mm
Power Drift = -0.13 dB
SAR (1g) = 0.583 W/kg; SAR (10g) = 0.288 W/kg;
M2/M1 [%]=47.3
Dist 3dB Peak [mm]=7.6



BGM2280-A LTE Band 12 10M QPSK 1RB0 23095CH Right side 0mm

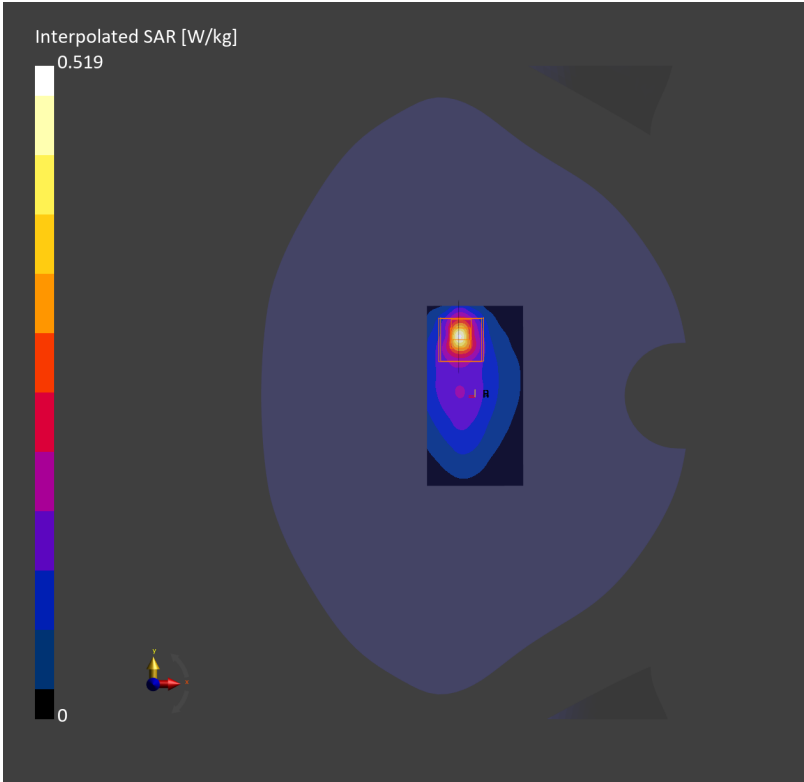
BGM2280-A

Communication System: Band 12; Frequency: 707.500
Medium: Head Simulating Liquid. Medium parameters used: f= 707.500 MHz; σ = 0.858 S/m; ϵ_r = 42.8

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(10.71, 10.71, 10.71); Calibrated: 2025-08-26
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2025-08-15
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (48.0 mm x 90.0 mm): Measurement Grid: 8.0 mm x 15.0 mm
SAR (1g) = 0.332 W/kg; SAR (10g) = 0.159 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 4.0 mm
Power Drift = -0.03 dB
SAR (1g) = 0.406 W/kg; SAR (10g) = 0.137 W/kg;
M2/M1 [%]=40.4
Dist 3dB Peak [mm]=7.4



BGM2280-A LTE Band 13 10M QPSK 1RB0 23230CH Back side 0mm

BGM2280-A

Communication System: Band 13; Frequency: 782.000
Medium: Head Simulating Liquid. Medium parameters used: $f=782.000\text{ MHz}$; $\sigma=0.897\text{ S/m}$; $\epsilon_r=42.5$

- DASY8 Configuration:
- Probe: EX3DV4 - SN7636; ConvF(10.71, 10.71, 10.71); Calibrated: 2025-08-26
 - Sensor-Surface: 1.4 mm
 - Electronics: DAE4ip Sn1803; Calibrated: 2025-08-15
 - Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2156
 - Measurement Software: cDASY8 V16.4.0.5005

Area Scan (90.0 mm x 150.0 mm): Measurement Grid: 15.0 mm x 15.0 mm
SAR (1g) = 0.265 W/kg; SAR (10g) = 0.176 W/kg;

Zoom Scan (32.0 mm x 32.0 mm x 30.0 mm): Measurement Grid: 6.0 mm x 6.0 mm x 4.0 mm
Power Drift = 0.03 dB
SAR (1g) = 0.225 W/kg; SAR (10g) = 0.170 W/kg;
M2/M1 [%]=56.1
Dist 3dB Peak [mm]=12.1

