Appendix B
Detailed Test Results

1. LTE
LTE Band 2 for extremity 0mm
LTE Band 5 for extremity 0mm
LTE Band 7 for extremity 0mm
LTE Band 66 for extremity 0mm
2. WIFI2.4G
WIFI2.4G for extremity 0mm

Date: 2024/11/15

Test Laboratory: SGS-SAR Lab

Q181 SE LTE Band 2 QPSK 20M 1RB0 18900CH Front side 0mm

DUT: Q181 SE; Type: SoundBox; Serial: 868228075083240

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz;Duty Cycle: 1:1

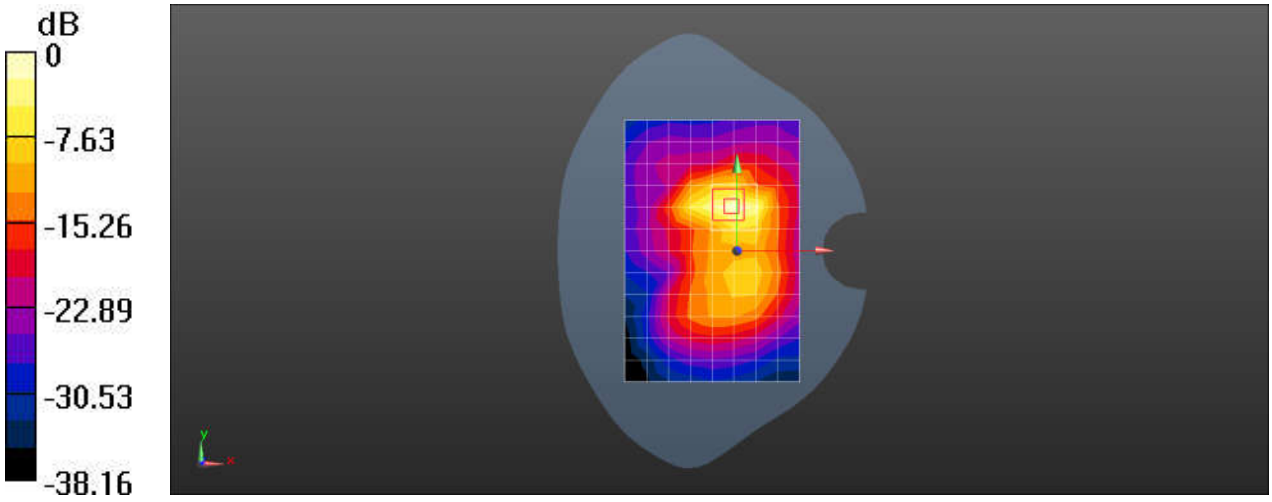
Medium: HSL1950;Medium parameters used: f = 1880 MHz; σ = 1.343 S/m; ε_r = 38.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.57, 7.57, 7.57); Calibrated: 2024/03/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Extremity/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 7.23 W/kg

Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.33 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 8.66 W/kg
SAR(1 g) = 3.31 W/kg; SAR(10 g) = 1.4 W/kg
Maximum value of SAR (measured) = 6.88 W/kg



0 dB = 7.23 W/kg = 8.59 dBW/kg

Date: 2024/11/11

Test Laboratory: SGS-SAR Lab

Q181 SE LTE Band 5 QPSK 10M 1RB0 20525CH Front side 0mm

DUT: Q181 SE; Type: SoundBox; Serial: 868228075083240

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz;Duty Cycle: 1:1

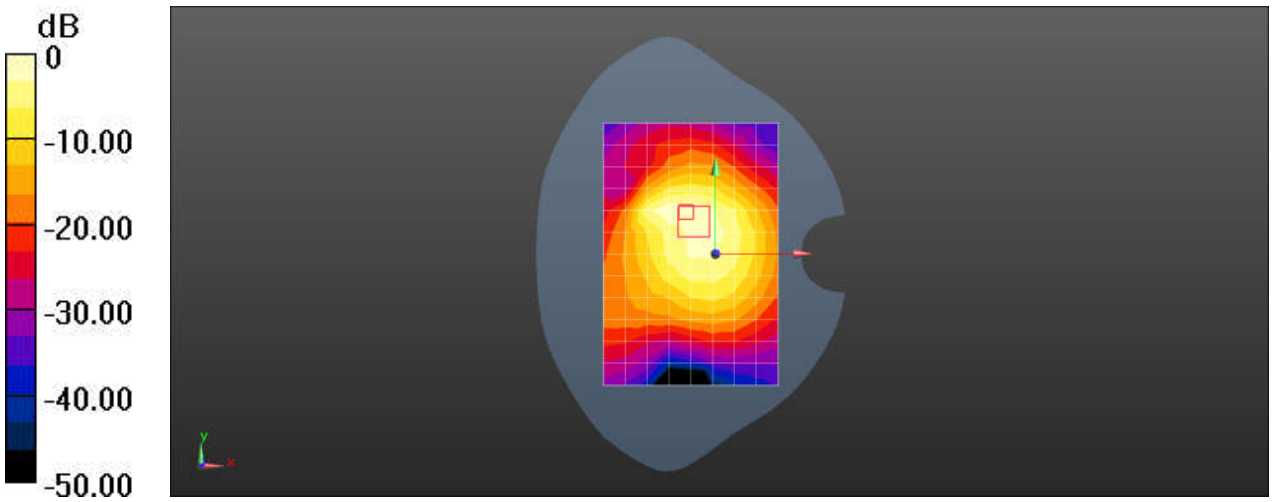
Medium: HSL835;Medium parameters used: f = 836.5 MHz; σ = 0.899 S/m; ε_r = 42.013; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(8.88, 8.88, 8.88); Calibrated: 2024/03/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Extremity/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.65 W/kg

Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.38 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.70 W/kg
SAR(1 g) = 1.54 W/kg; SAR(10 g) = 0.856 W/kg
Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 2.65 W/kg = 4.23 dBW/kg

Date: 2024/11/21

Test Laboratory: SGS-SAR Lab

Q181 SE LTE Band 7 QPSK 20M 1RB0 21100CH Front side 0mm

DUT: Q181 SE; Type: SoundBox; Serial: 868228075083240

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz;Duty Cycle: 1:1

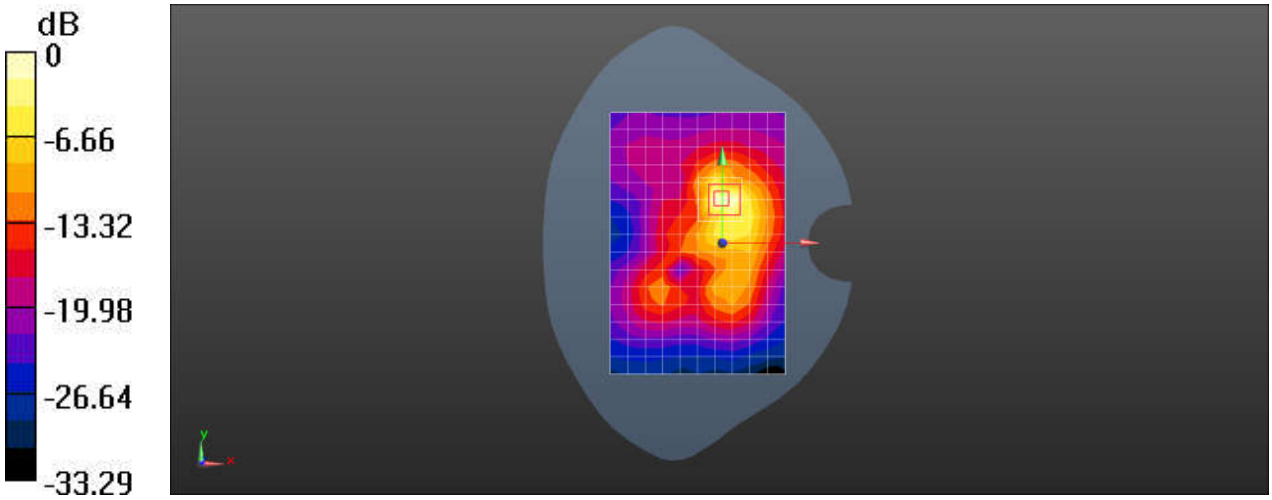
Medium: HSL2600;Medium parameters used: f = 2535 MHz; σ = 1.952 S/m; ε_r = 38.46; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/03/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Extremity/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.29 W/kg

Configuration/Extremity/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.60 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.68 W/kg
SAR(1 g) = 1.86 W/kg; SAR(10 g) = 0.655 W/kg
Maximum value of SAR (measured) = 4.12 W/kg



0 dB = 3.29 W/kg = 5.18 dBW/kg

Date: 2024/11/13

Test Laboratory: SGS-SAR Lab

Q181 SE LTE Band 66 QPSK 20M 1RB0 132322CH Front side 0mm

DUT: Q181 SE; Type: SoundBox; Serial: 868228075083240

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz;Duty Cycle: 1:1

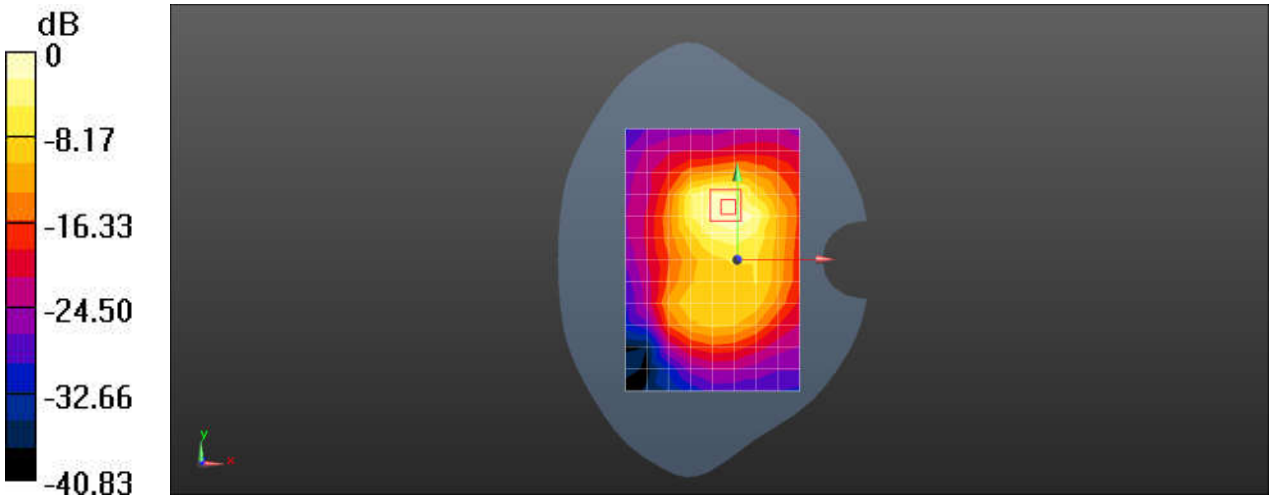
Medium: HSL1750;Medium parameters used: f = 1745 MHz; σ = 1.319 S/m; ε_r = 38.491; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.86, 7.86, 7.86); Calibrated: 2024/03/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Extremity/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.13 W/kg

Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.14 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 5.94 W/kg
SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.13 W/kg
Maximum value of SAR (measured) = 4.68 W/kg



0 dB = 3.13 W/kg = 4.95 dBW/kg

Date: 2024/11/19

Test Laboratory: SGS-SAR Lab

Q181 SE WIFI2.4G 802.11b 6CH Back side 0mm

DUT: Q181 SE; Type: SoundBox; Serial: 868228075083240

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.001

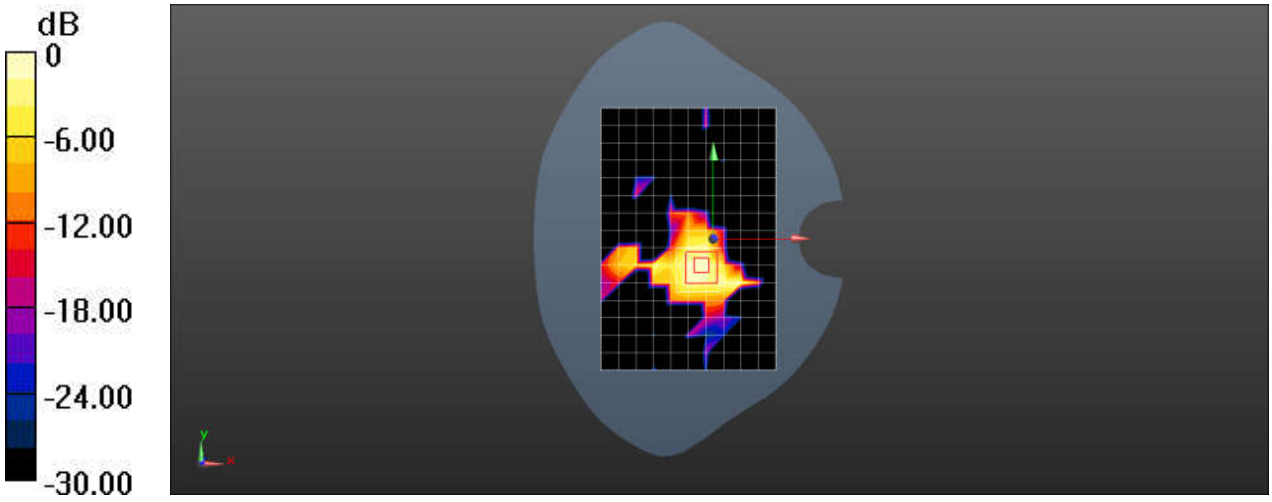
Medium: HSL2450;Medium parameters used: f = 2437 MHz; σ = 1.801 S/m; ε_r = 38.545; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3793; ConvF(7.18, 7.18, 7.18); Calibrated: 2024/03/04
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 2024/06/05
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Extremity/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0104 W/kg

Configuration/Extremity/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.107 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0170 W/kg
SAR(1 g) = 0.00613 W/kg; SAR(10 g) = 0.00187 W/kg
Maximum value of SAR (measured) = 0.0115 W/kg



0 dB = 0.0115 W/kg = -19.39 dBW/kg