



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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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

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Member of the SGS Group (SGS SA)

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; $\sigma = 1.343$ S/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

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

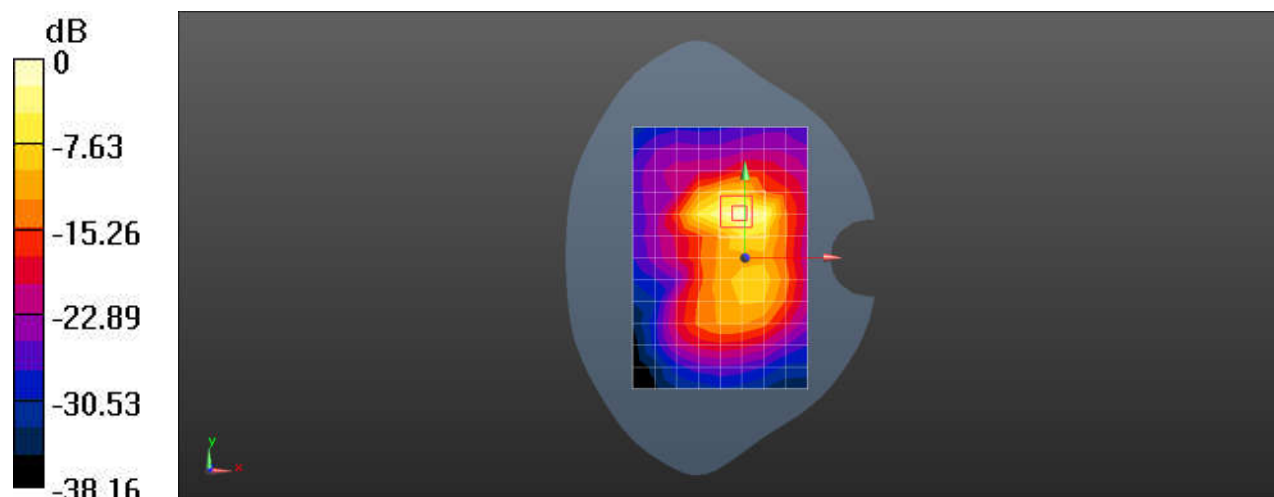
Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



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; $\sigma = 0.899$ S/m; $\epsilon_r = 42.013$; $\rho = 1000$ kg/m³

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

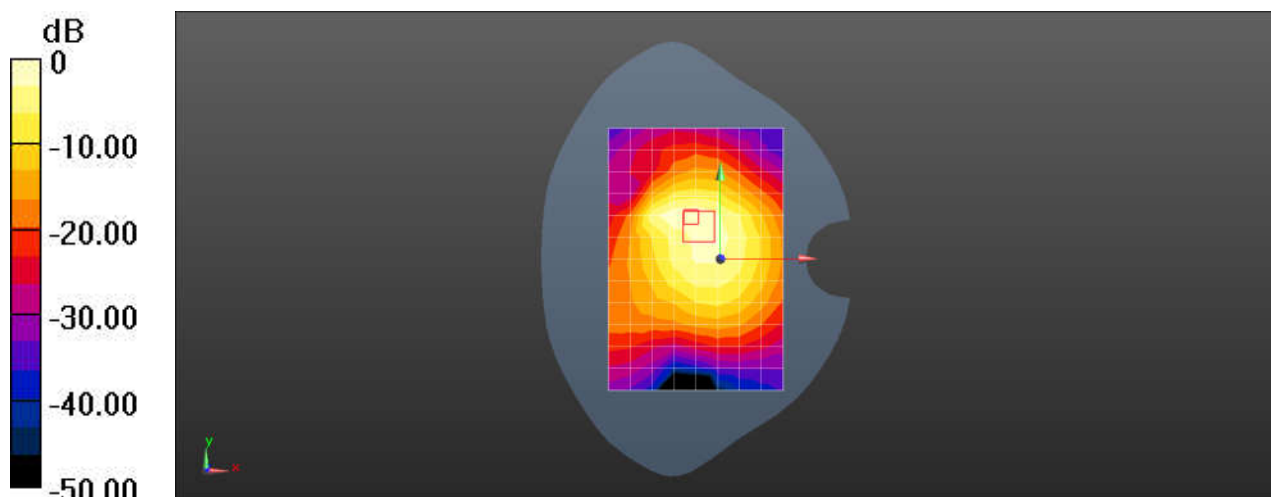
Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0:Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

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; $\sigma = 1.952$ S/m; $\epsilon_r = 38.46$; $\rho = 1000$ kg/m³

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

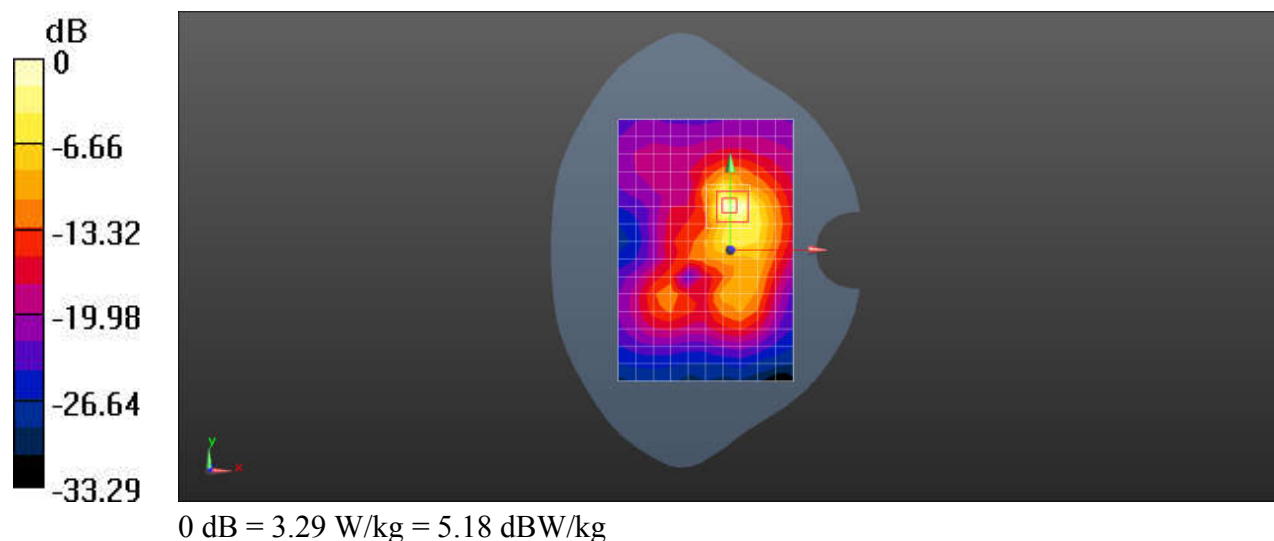
Configuration/Extremity/Zoom Scan (7x7x7)/Cube 0:Measurement grid: dx=5mm, dy=5mm, dz=5mm

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



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; $\sigma = 1.319$ S/m; $\epsilon_r = 38.491$; $\rho = 1000$ kg/m³

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

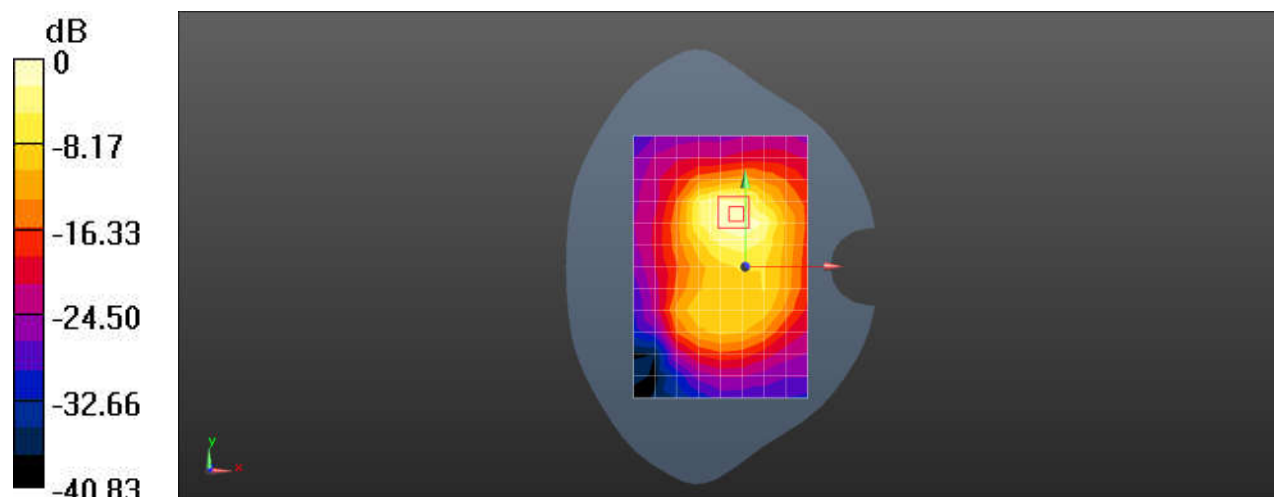
Configuration/Extremity/Zoom Scan (5x5x7)/Cube 0:Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

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; $\sigma = 1.801$ S/m; $\epsilon_r = 38.545$; $\rho = 1000$ kg/m³

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

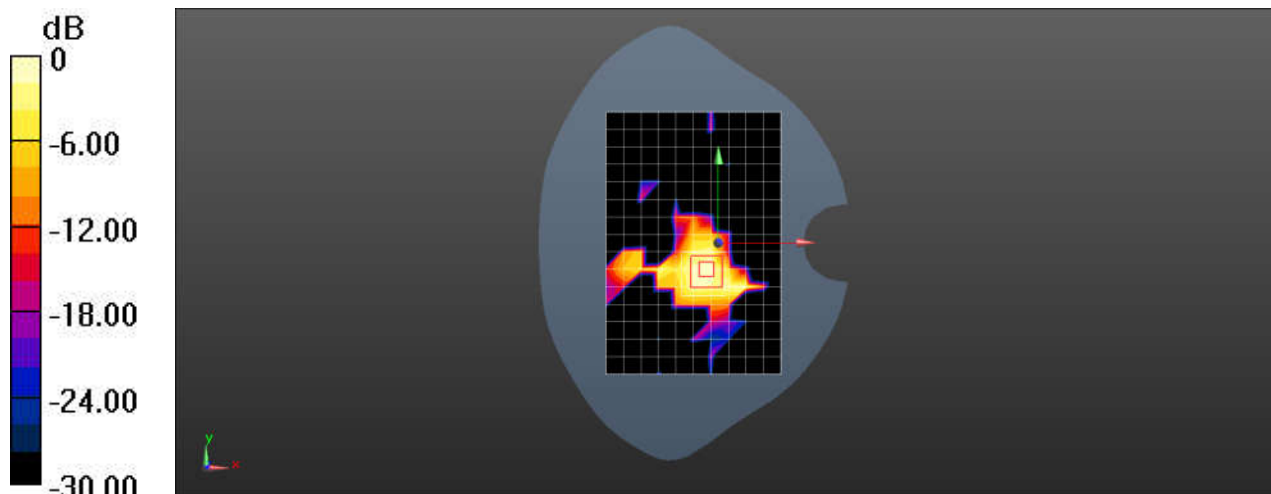
Configuration/Extremity/Zoom Scan (7x7x7)/Cube 0:Measurement grid: dx=5mm, dy=5mm, dz=5mm

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