

Appendix B

Detailed Test Results

1. CatM1
CatM1 Band 2
CatM1 Band 4
CatM1 Band 12
CatM1 Band 13
CatM1 Band 66

Test Laboratory: SGS-SAR Lab

GBY43-A CatM1 Band 2 20M QPSK 3RB2 18700CH Right side 0mm

DUT: GBY43-A; Type: Transtek Tel Blood Glucose Meter;

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1860 MHz;Duty Cycle: 1:1

Medium: HSL1950;Medium parameters used: $f = 1860 \text{ MHz}$; $\sigma = 1.401 \text{ S/m}$; $\epsilon_r = 40.517$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.69, 7.69, 7.69); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.810 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.67 V/m; Power Drift = 0.03 dB

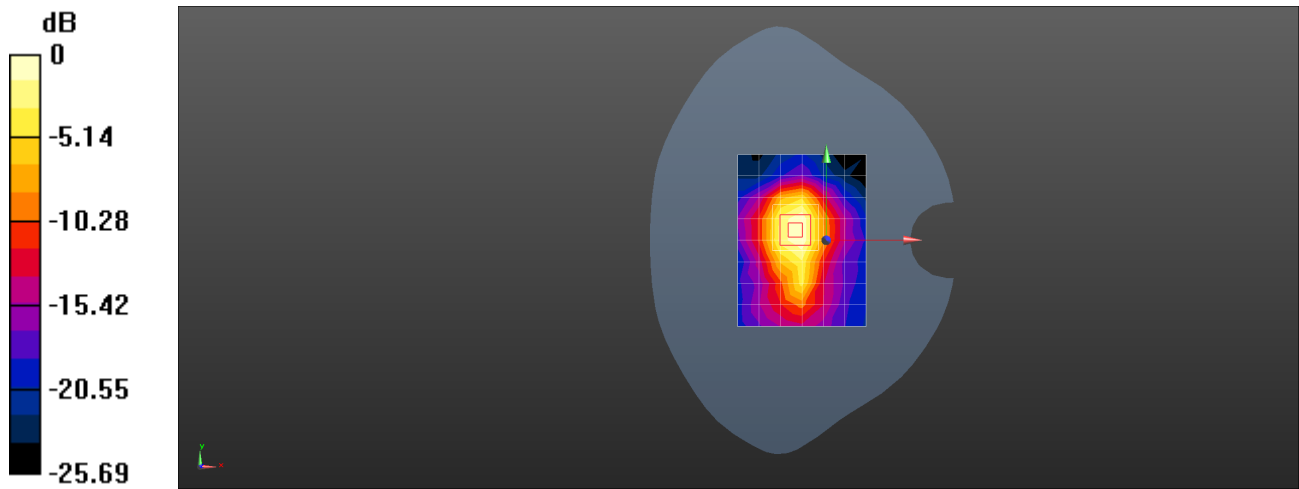
Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.700 W/kg; SAR(10 g) = 0.386 W/kg

Smallest distance from peaks to all points 3 dB below = 10.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.8%

Maximum value of SAR (measured) = 1.05 W/kg



0 dB = 0.810 W/kg = -0.92 dBW/kg

Test Laboratory: SGS-SAR Lab

GBY43-A CatM1 Band 4 20M QPSK 3RB0 20175CH Right side 0mm

DUT: GBY43-A; Type: Transtek Tel Blood Glucose Meter;

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

Medium: HSL1750;Medium parameters used (interpolated): $f = 1732.5 \text{ MHz}$; $\sigma = 1.38 \text{ S/m}$; $\epsilon_r = 40.58$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(8.02, 8.02, 8.02); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.927 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.12 V/m; Power Drift = 0.02 dB

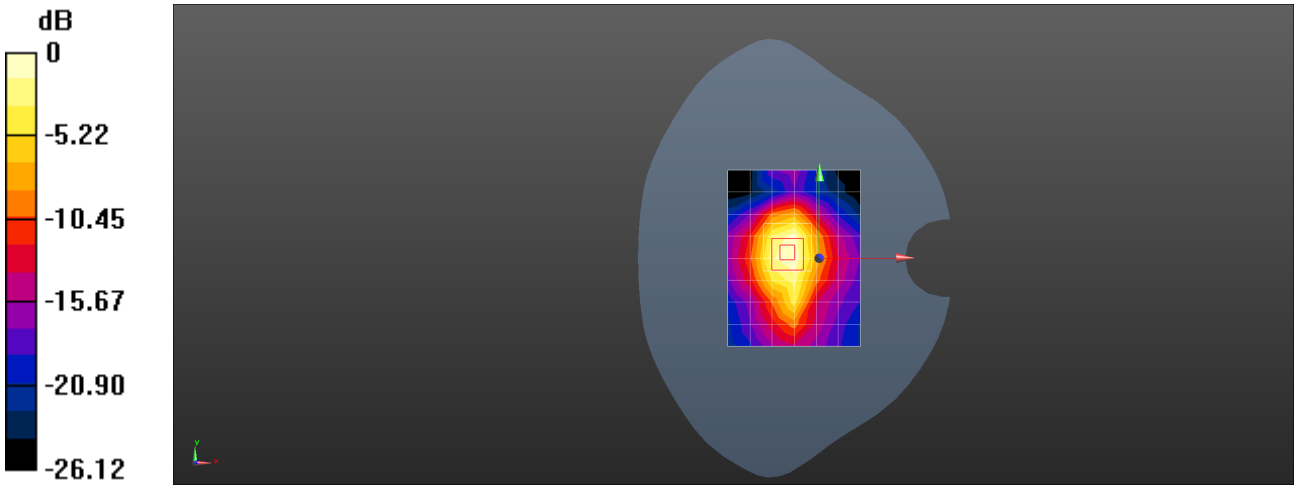
Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.774 W/kg; SAR(10 g) = 0.441 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 60.8%

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 0.927 W/kg = -0.33 dBW/kg

Test Laboratory: SGS-SAR Lab

GBY43-A CatM1 Band 12 10M 3RB2 QPSK 23130CH Back side 0mm

DUT: GBY43-A; Type: Transtek Tel Blood Glucose Meter;

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 711 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 40.564$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.1, 10.82, 10.65); Calibrated: 2024/7/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2025/1/20
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.329 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 17.38 V/m; Power Drift = 0.08 dB

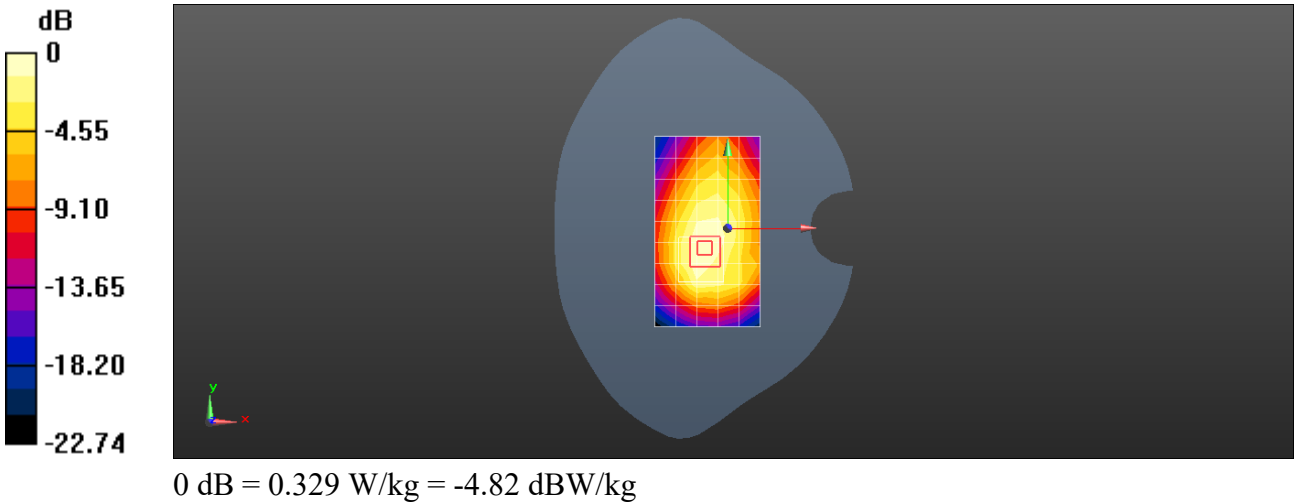
Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.199 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 0.380 W/kg



Test Laboratory: SGS-SAR Lab

GBY43-A CatM1 Band 13 10M 3RB0 QPSK 23230CH Back side 0mm

DUT: GBY43-A; Type: Transtek Tel Blood Glucose Meter;

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 782 MHz;Duty Cycle: 1:1

Medium: HSL750;Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 40.293$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7620; ConvF(10.1, 10.82, 10.65); Calibrated: 2024/7/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1267; Calibrated: 2025/1/20
- Phantom: SAM 1; Type: SAM; Serial: 1912
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (6x10x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.250 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.17 V/m; Power Drift = -0.04 dB

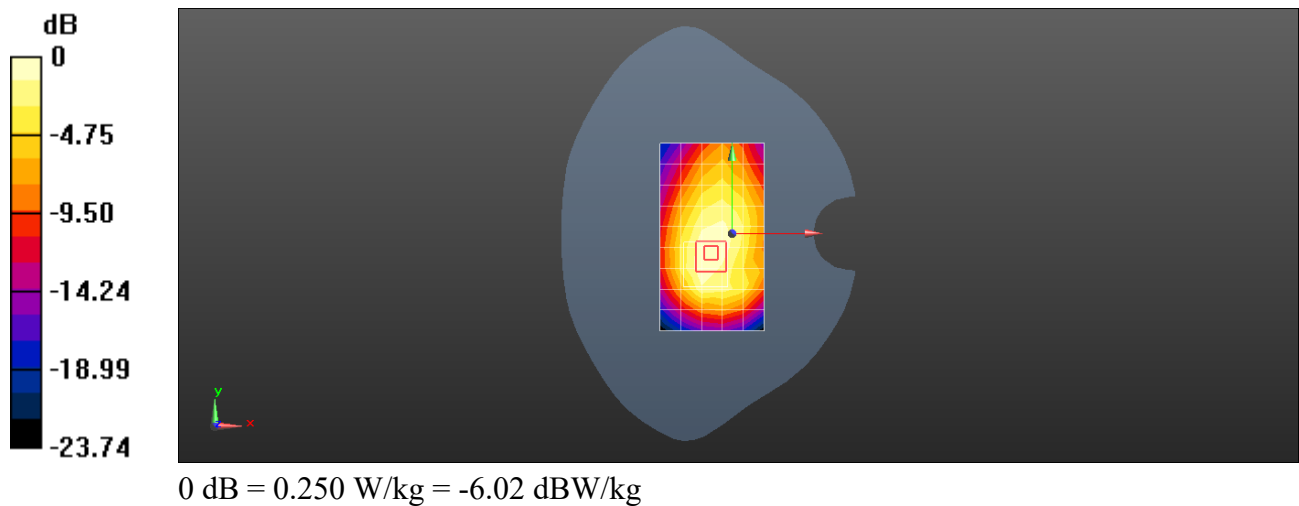
Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.149 W/kg

Smallest distance from peaks to all points 3 dB below = 15.1 mm

Ratio of SAR at M2 to SAR at M1 = 64.4%

Maximum value of SAR (measured) = 0.287 W/kg



Test Laboratory: SGS-SAR Lab

GBY43-A CatM1 Band 66 20M QPSK 3RB3 132322CH Right side 0mm

DUT: GBY43-A; Type: Transtek Tel Blood Glucose Meter;

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

Medium: HSL1750;Medium parameters used: $f = 1745 \text{ MHz}$; $\sigma = 1.387 \text{ S/m}$; $\epsilon_r = 40.574$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(8.02, 8.02, 8.02); Calibrated: 2024/9/19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2024/8/15
- Phantom: SAM5; Type: SAM Twin; Serial: 1673
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.982 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.66 V/m; Power Drift = 0.08 dB

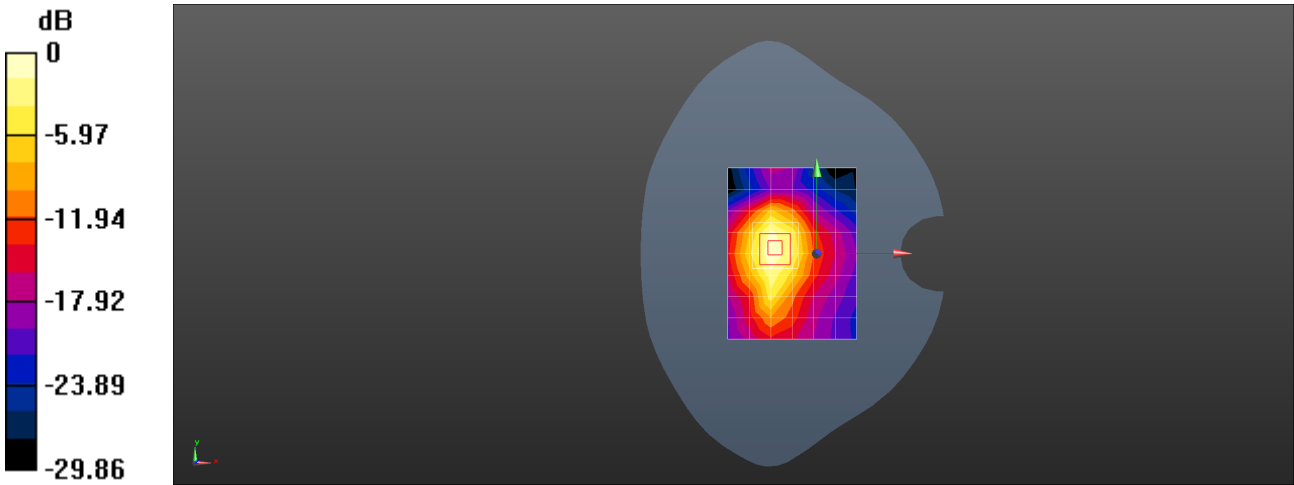
Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.736 W/kg; SAR(10 g) = 0.419 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 60.6%

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 0.982 W/kg = -0.08 dBW/kg