



Appendix B

Detailed Test Results

1. FM
462M
2. WIFI
WIFI 2.4G

Test Laboratory: SGS-SAR Lab

IEG006 462.6125MHz Front To Face 25mm

DUT: IEG006; Type: Walkie AI

Communication System: UID 0, CW (0); Frequency: 462.613 MHz; Duty Cycle: 1:1

Medium: HSL450; Medium parameters used: $f = 463 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 42.554$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(11.49, 11.49, 11.49); Calibrated: 2025/11/07
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/02/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.155 W/kg

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

Reference Value = 12.83 V/m ; Power Drift = -0.07 dB

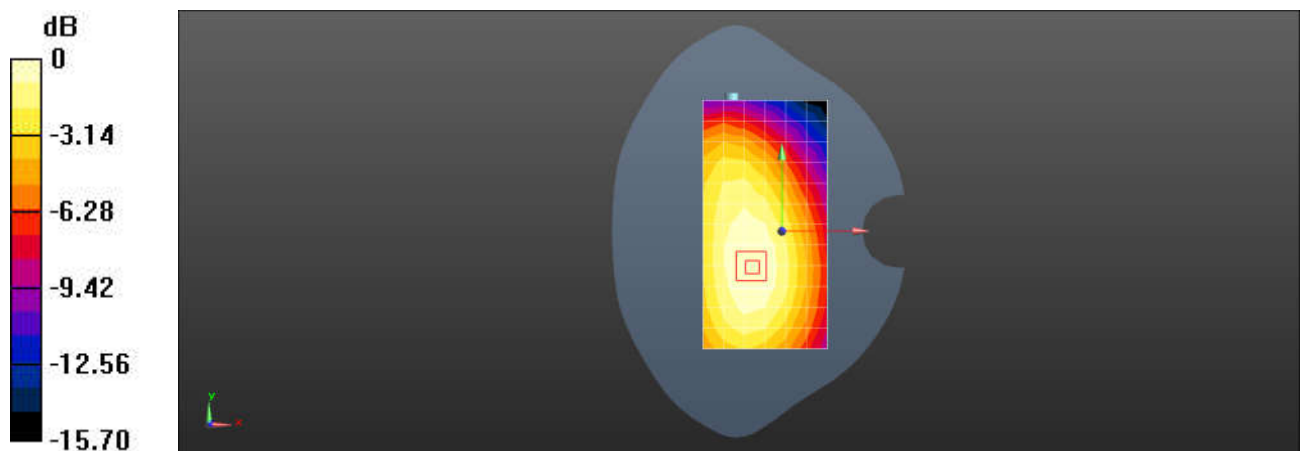
Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.106 W/kg ; SAR(10 g) = 0.065 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 71.6%

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.155 W/kg = -8.10 dBW/kg

Test Laboratory: SGS-SAR Lab

IEG006 462.6125MHz Front Side 5mm

DUT: IEG006; Type: Walkie AI

Communication System: UID 0, CW (0); Frequency: 462.613 MHz; Duty Cycle: 1:1

Medium: HSL450; Medium parameters used: $f = 463 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 42.554$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(11.49, 11.49, 11.49); Calibrated: 2025/11/07
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/02/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (7x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (measured) = 0.292 W/kg

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

Reference Value = 17.95 V/m ; Power Drift = -0.02 dB

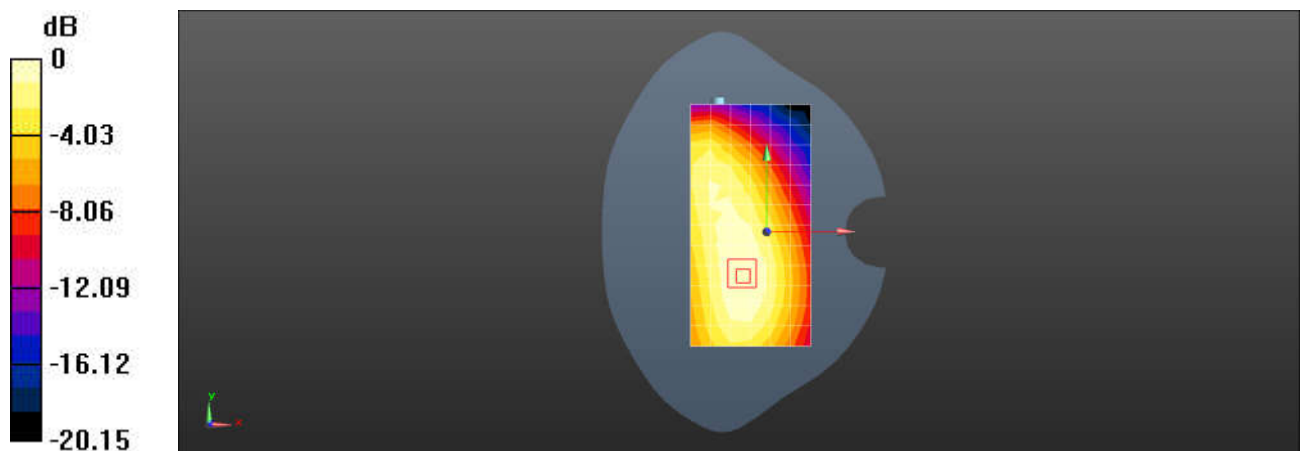
Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.228 W/kg ; SAR(10 g) = 0.167 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 69.7%

Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Test Laboratory: SGS-SAR Lab

IEG006 WIFI2.4G 802.11g 11CH Front To Face 25mm

DUT: IEG006; Type: Walkie AI

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.001

Medium: HSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 39.903$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.18, 7.67, 7.44); Calibrated: 2025/11/07
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/02/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0105 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.01 dB

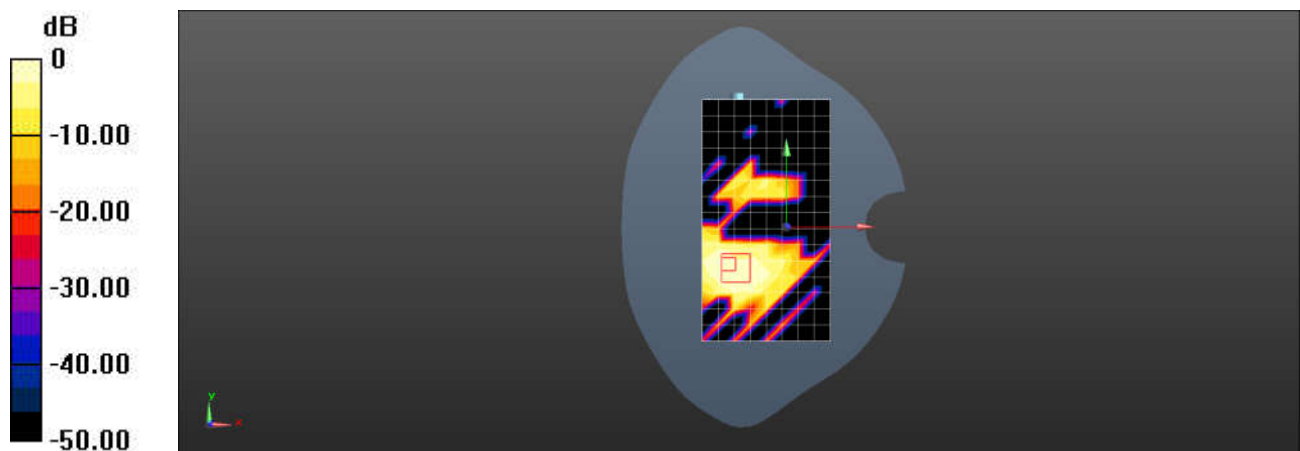
Peak SAR (extrapolated) = 0.0260 W/kg

SAR(1 g) = 0.002 W/kg; SAR(10 g) = 0.001 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 52.3%

Maximum value of SAR (measured) = 0.0103 W/kg



0 dB = 0.0105 W/kg = -39.58 dBW/kg

Test Laboratory: SGS-SAR Lab

IEG006 WIFI2.4G 802.11g 11CH Front Side 5mm

DUT: IEG006; Type: Walkie AI

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.001

Medium: HSL2450;Medium parameters used: $f = 2462$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 39.903$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3982; ConvF(7.18, 7.67, 7.44); Calibrated: 2025/11/07
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1740; Calibrated: 2025/02/17
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Scan/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0207 W/kg

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

Reference Value = 0 V/m; Power Drift = 0.04 dB

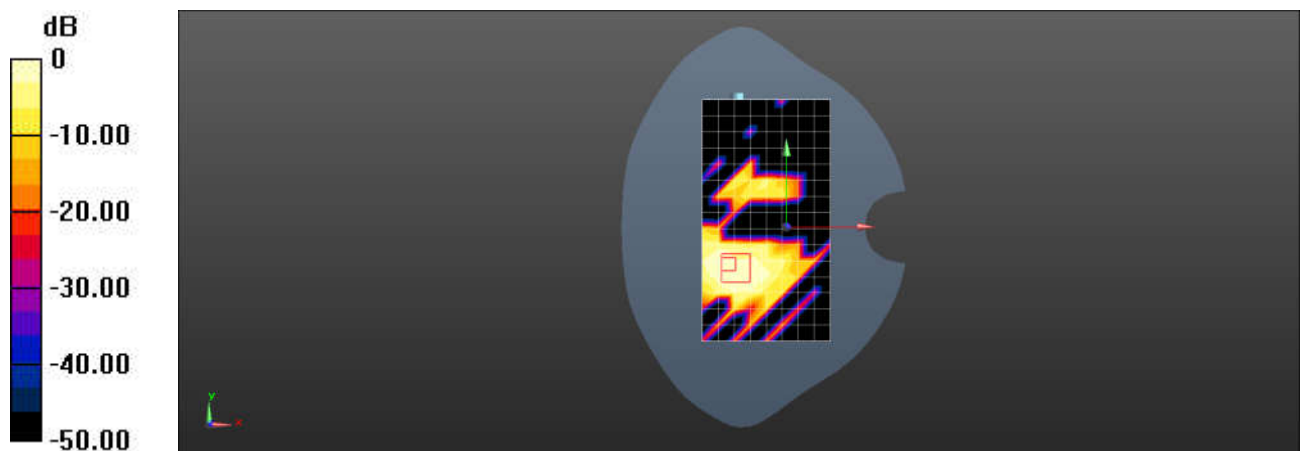
Peak SAR (extrapolated) = 0.0330 W/kg

SAR(1 g) = 0.009 W/kg; SAR(10 g) = 0.004 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid

Ratio of SAR at M2 to SAR at M1 = 41.1%

Maximum value of SAR (measured) = 0.0172 W/kg



0 dB = 0.0207 W/kg = -16.85 dBW/kg



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