Appendix B
Detailed Test Results

1. FTM(450MHz)

Date: 2025/07/01

Test Laboratory: SGS-SAR Lab

E5598 FTM Ch5 Freq.462.6625 Front side 25mm

DUT: E5598; Type: Nature Walkie-Talkies; Serial: 250529

Communication System: UID 0, FTM (0); Frequency: 462.663 MHz;Duty Cycle: 1:1

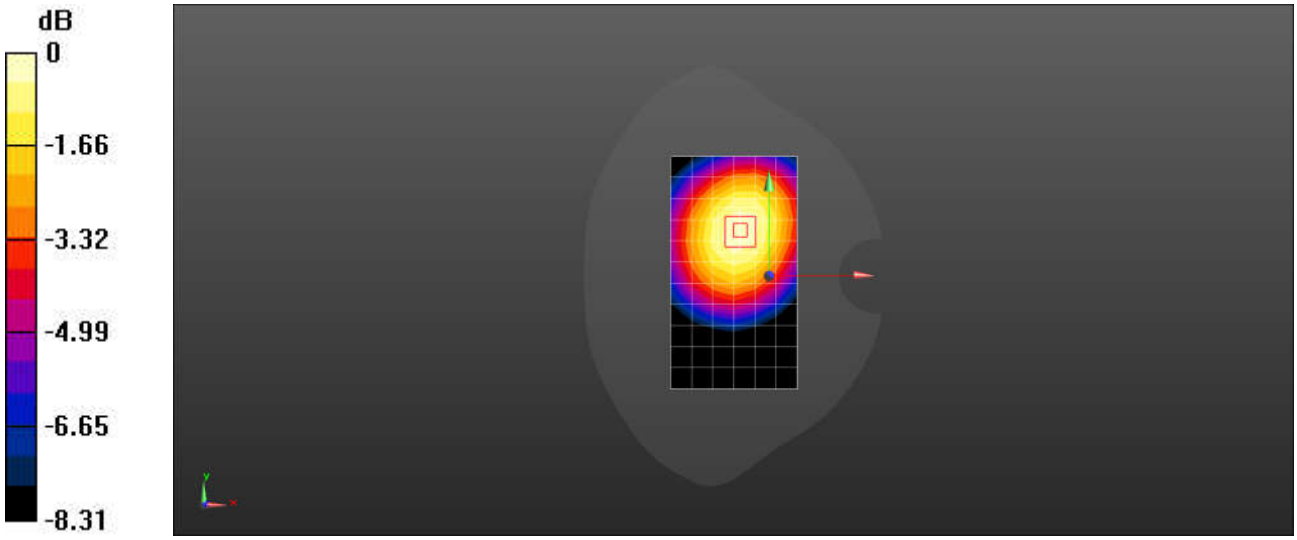
Medium: HSL450;Medium parameters used: f = 463 MHz; σ = 0.899 S/m; ε_r = 42.554; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(10.11, 10.11, 10.11); Calibrated: 2025/01/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0787 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.123 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0910 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.048 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 = 71.9%
Maximum value of SAR (measured) = 0.0814 W/kg



0 dB = 0.0814 W/kg = -10.89 dBW/kg

Date: 2025/07/01

Test Laboratory: SGS-SAR Lab

E5598 FTM Ch5 Freq.462.6625 Front side 5mm

DUT: E5598; Type: Nature Walkie-Talkies; Serial: 250529

Communication System: UID 0, FTM (0); Frequency: 462.663 MHz;Duty Cycle: 1:1

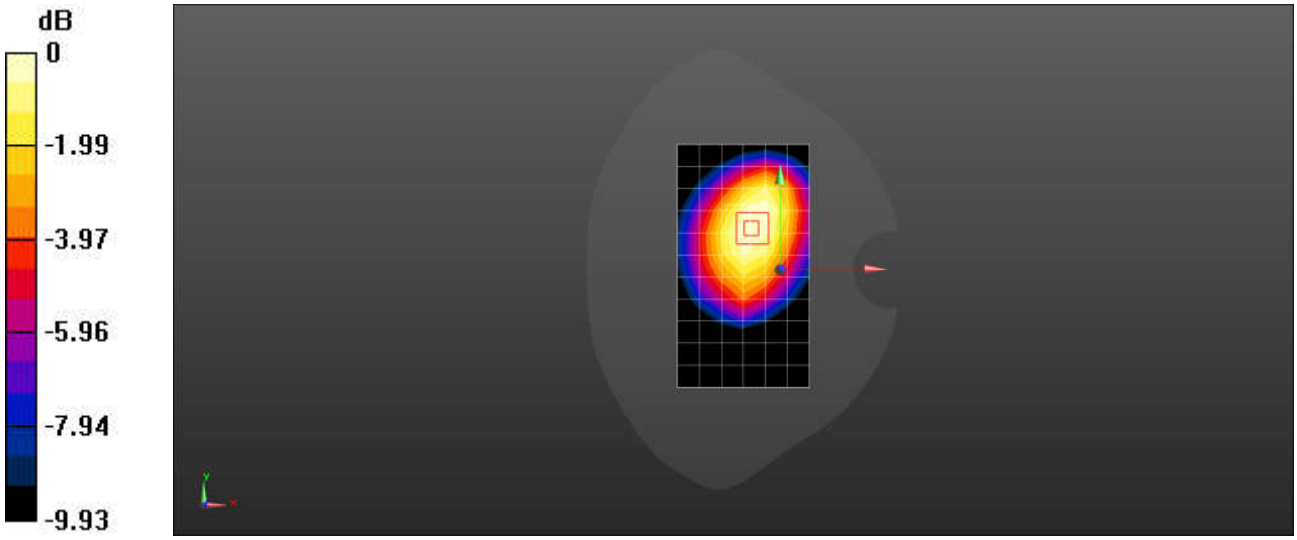
Medium: HSL450;Medium parameters used: f = 463 MHz; σ = 0.899 S/m; ε_r = 42.554; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(10.11, 10.11, 10.11); Calibrated: 2025/01/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.233 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.14 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.127 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 = 68%
Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.29 dBW/kg

Date: 2025/07/01

Test Laboratory: SGS-SAR Lab

E5598 FTM Ch5 Freq.462.6625 Back side with Clip 0mm

DUT: E5598; Type: Nature Walkie-Talkies; Serial: 250529

Communication System: UID 0, FTM (0); Frequency: 462.663 MHz;Duty Cycle: 1:1

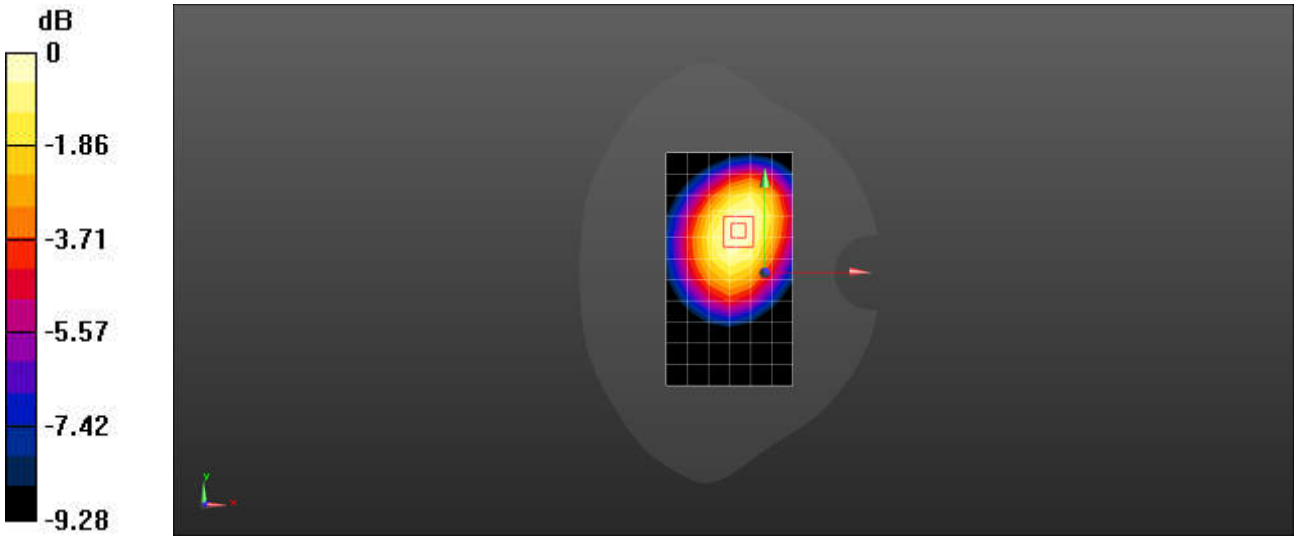
Medium: HSL450;Medium parameters used: f = 463 MHz; σ = 0.899 S/m; ε_r = 42.554; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7735; ConvF(10.11, 10.11, 10.11); Calibrated: 2025/01/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1484; Calibrated: 2024/10/15
- Phantom: SAM 8; Type: SAM; Serial: 1824
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.187 W/kg

Configuration/Body/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.49 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.214 W/kg
SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.105 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 = 68.9%
Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg = -7.24 dBW/kg

- End of the Appendix -