

Appendix B

Detailed Test Results

BT for Head & Limbs



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Test Laboratory: SGS-SAR Lab

Bluetooth DH5 78CH Rear cheek

DUT: B170/Wireless Earphone

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.729

Medium: HSL2450; Medium parameters used: $f = 2480$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 38.328$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.45, 7.45, 7.45); Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024/4/16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Head/Area Scan (11x11x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.874 W/kg

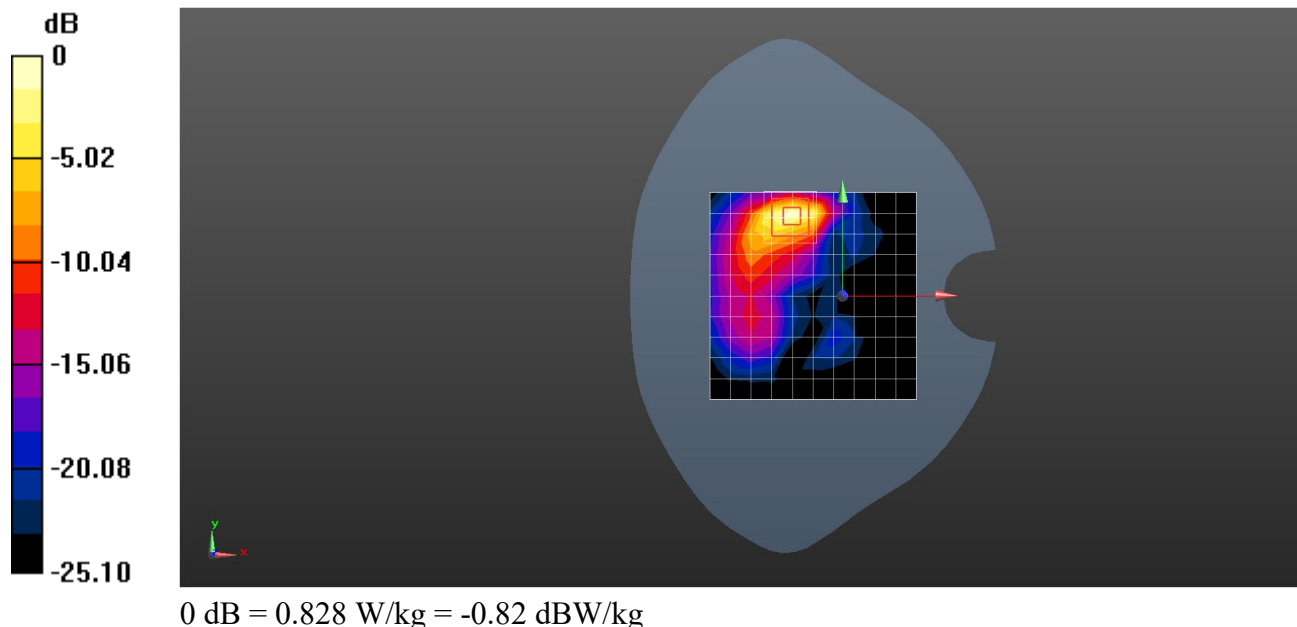
Configuration/Head/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.9000 V/m; Power Drift = 0.08dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.179 W/kg

Maximum value of SAR (measured) = 0.828 W/kg



Test Laboratory: SGS-SAR Lab

Bluetooth DH5 78CH Touch cheek

DUT: B170/Wireless Earphone

Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1.729

Medium: HSL2450; Medium parameters used: $f = 2480$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 38.328$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7515; ConvF(7.45, 7.45, 7.45); Calibrated: 2023/12/14
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2024/4/16
- Phantom: SAM 6; Type: SAM Twin; Serial: 1913
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (11x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0213 W/kg

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

Reference Value = 2.195 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0260 W/kg

SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.008 W/kg

Maximum value of SAR (measured) = 0.0220 W/kg

