

Appendix B

Detailed Test Results

WIFI 2.4G for Body
WIFI 5G for Body
BT for Body

Date: 2023/10/17

Test Laboratory: SGS-SAR Lab

AX210NGW WIFI 2.4G 802.11b 6CH Bottom side 0mm Ant1

DUT: AX210NGW; Type: Rugged Tablet; Serial: 021ETA6X1327028

Communication System: UID 0, Wi-Fi(2.4GHz) (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2.4G; Medium parameters used: $f = 2437$ MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 38.169$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7821; ConvF(6.97, 7.23, 7.47); Calibrated: 2023/7/17
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1663; Calibrated: 2023/3/27
- Phantom: ELI V4.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1123
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/Body/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.840 W/kg

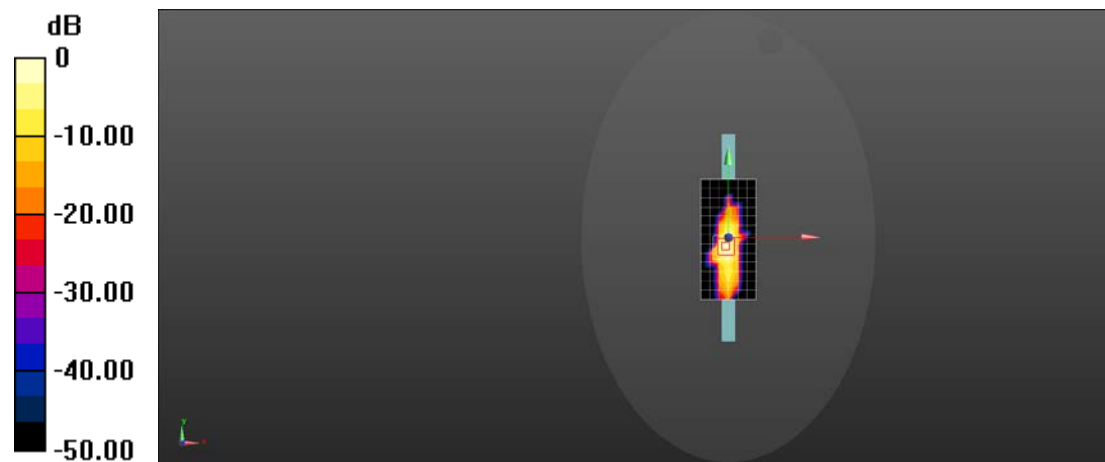
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.91 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 0.840 W/kg = -0.76 dBW/kg

Date: 2023/10/19

Test Laboratory: SGS-SAR Lab

AX210NGW WIFI 5G 802.11ac160 114CH Right side 0mm Ant2

DUT: AX210NGW; Type: Rugged Tablet; Serial: 021ETA6X1327028

Communication System: WI-FI(5GHz); Frequency: 5570 MHz;Duty Cycle: 1:1

Medium: HSL5G;Medium parameters used: $f = 5570 \text{ MHz}$; $\sigma = 4.627 \text{ S/m}$; $\epsilon_r = 36.033$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(4.71, 4.71, 4.71); Calibrated: 2023/8/7;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2023/6/26
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (7x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 4.05 W/kg

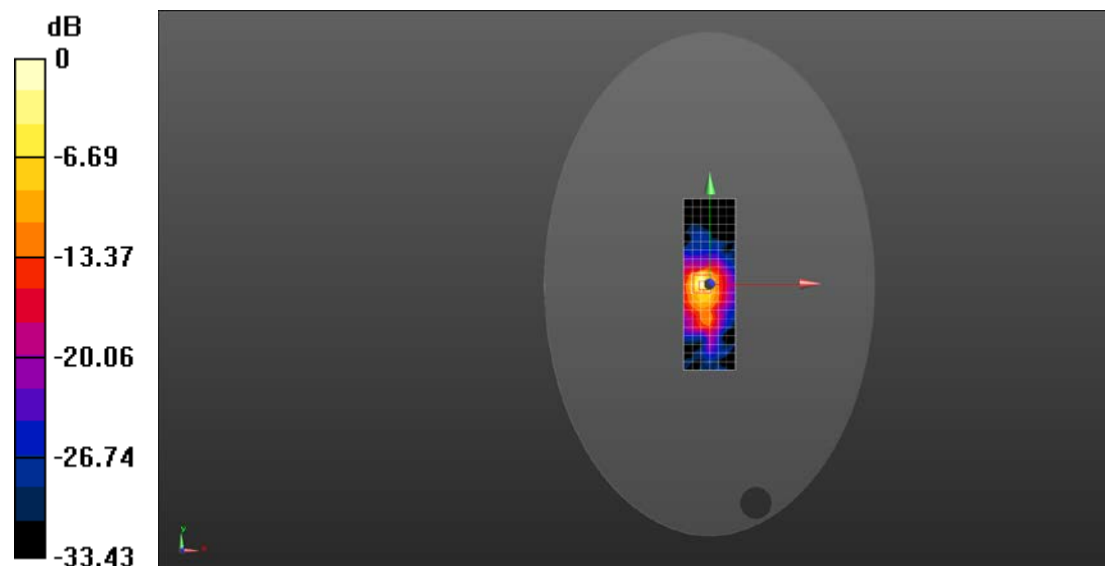
Configuration/Body/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 10.646 V/m ; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 7.50 W/kg

SAR(1 g) = 1.47 W/kg ; SAR(10 g) = 0.336 W/kg

Maximum value of SAR (measured) = 4.05 W/kg



0 dB = 4.05 W/kg = 6.07 dBW/kg

Date: 2023/10/17

Test Laboratory: SGS-SAR Lab

AX210NGW Bluetooth DH5 78CH Bottom side 0mm Ant1

DUT: AX210NGW; Type: Rugged Tablet; Serial: 021ETA6X1327028

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: HSL2450; Medium parameters used: $f = 2480$ MHz; $\sigma = 1.842$ S/m; $\epsilon_r = 38.651$; $\rho = 1000$ kg/m³

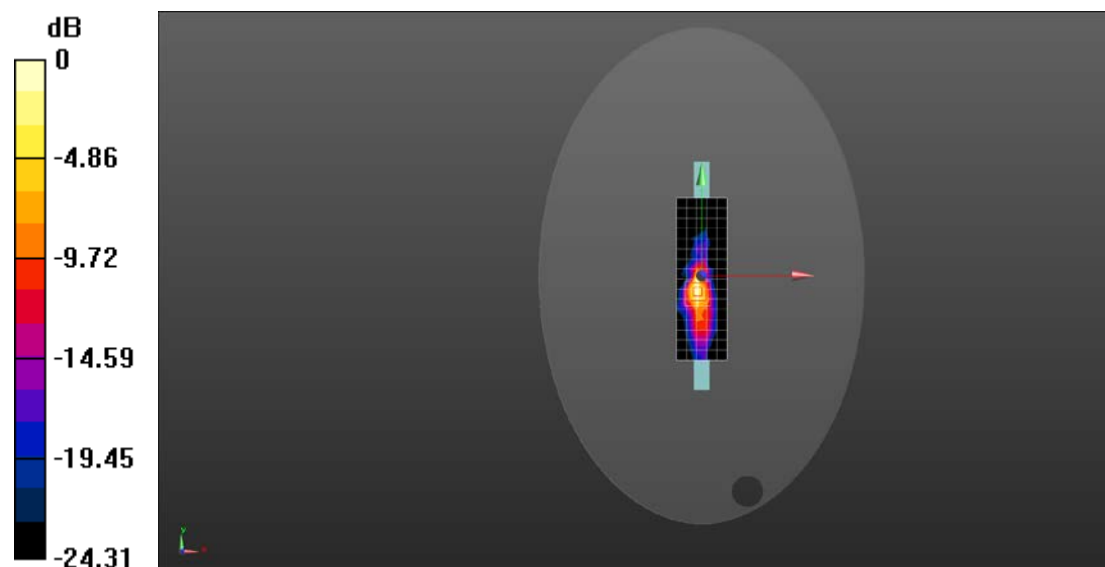
Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3836; ConvF(7.3, 7.3, 7.3); Calibrated: 2023/8/7;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn760; Calibrated: 2023/6/26
- Phantom: ELI v4.0; Type: QDOVA002AA; Serial: TP:1102
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

Configuration/Body/Area Scan (6x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.512 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.507 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.683 W/kg
SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.508 W/kg



0 dB = 0.508 W/kg = -2.94 dBW/kg