

Appendix 2 – Highest SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

6ch / 802.11b 1Mbps

DUT: Smart Headset; Type: H725A; Serial: ES04

Frequency: 2437 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.945$ S/m; $\epsilon_r = 52.31$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3808; ConvF(6.92, 6.92, 6.92); Calibrated: 9/15/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Front/Area Scan (10x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.190 W/kg

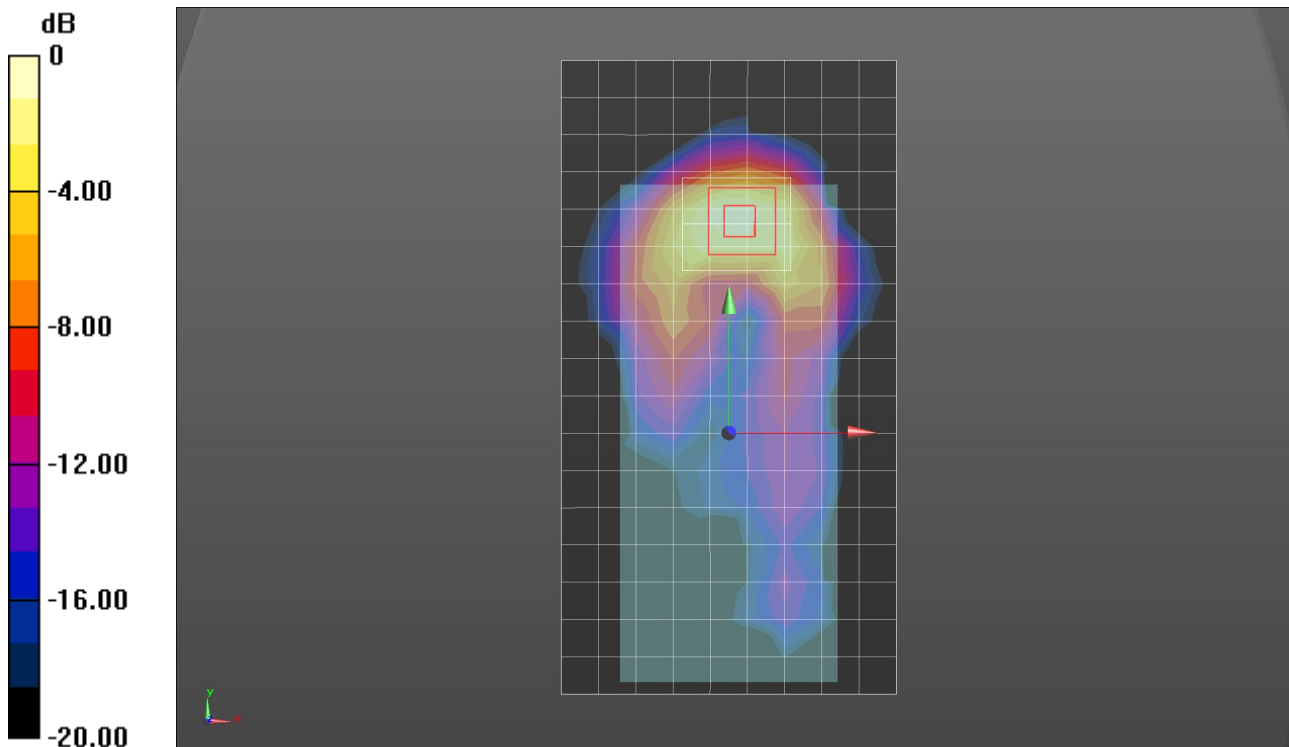
Body/Front/Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.93 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.217 W/kg



0 dB = 0.217 W/kg = -6.64 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

54ch / 802.11n HT40 MCS0

DUT: Smart Headset; Type: H725A; Serial: ES04

Frequency: 5270 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5270$ MHz; $\sigma = 5.464$ S/m; $\epsilon_r = 48.355$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(4.87, 4.87, 4.87); Calibrated: 5/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Front/Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.943 W/kg

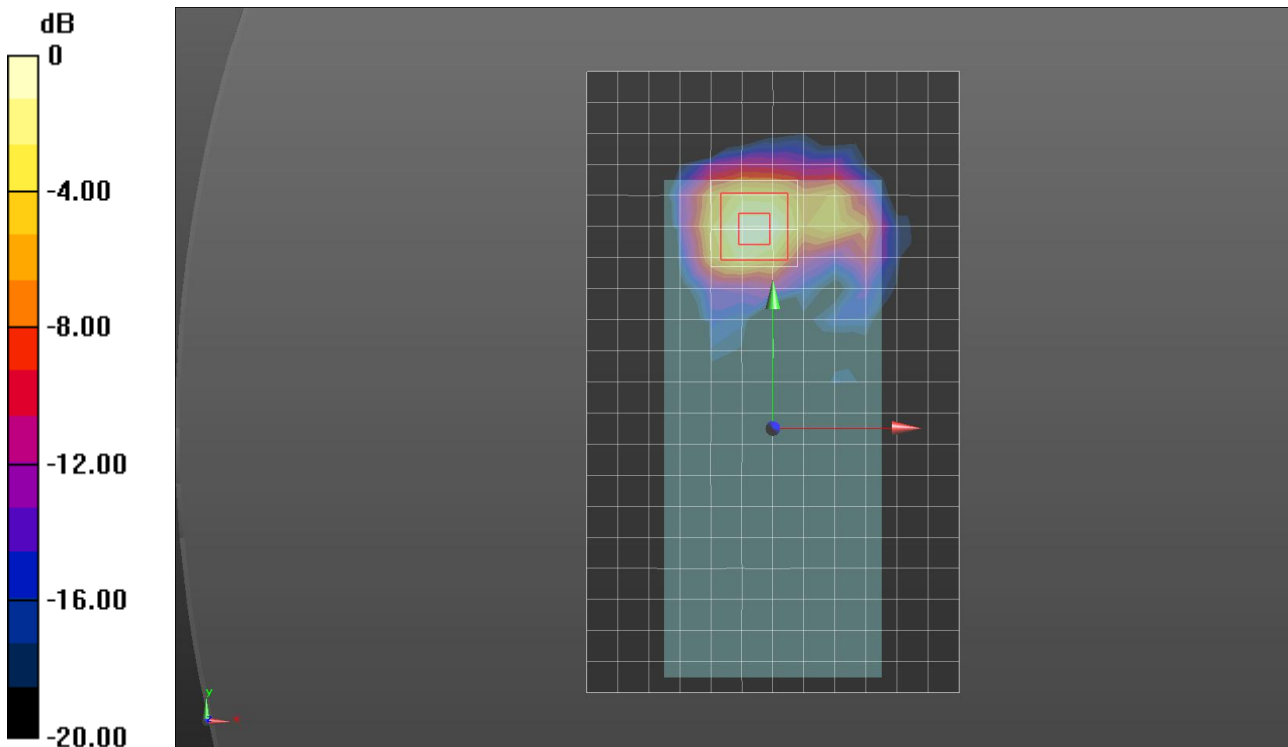
Body/Front/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 13.94 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.991 W/kg



0 dB = 0.991 W/kg = -0.04 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

134ch / 802.11n HT40 MCS0

DUT: Smart Headset; Type: H725A; Serial: ES04

Frequency: 5670 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $f = 5670$ MHz; $\sigma = 5.994$ S/m; $\epsilon_r = 47.308$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(4.12, 4.12, 4.12); Calibrated: 5/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Front/Area Scan (13x21x1): Measurement grid: dx=10mm, dy=10mm

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

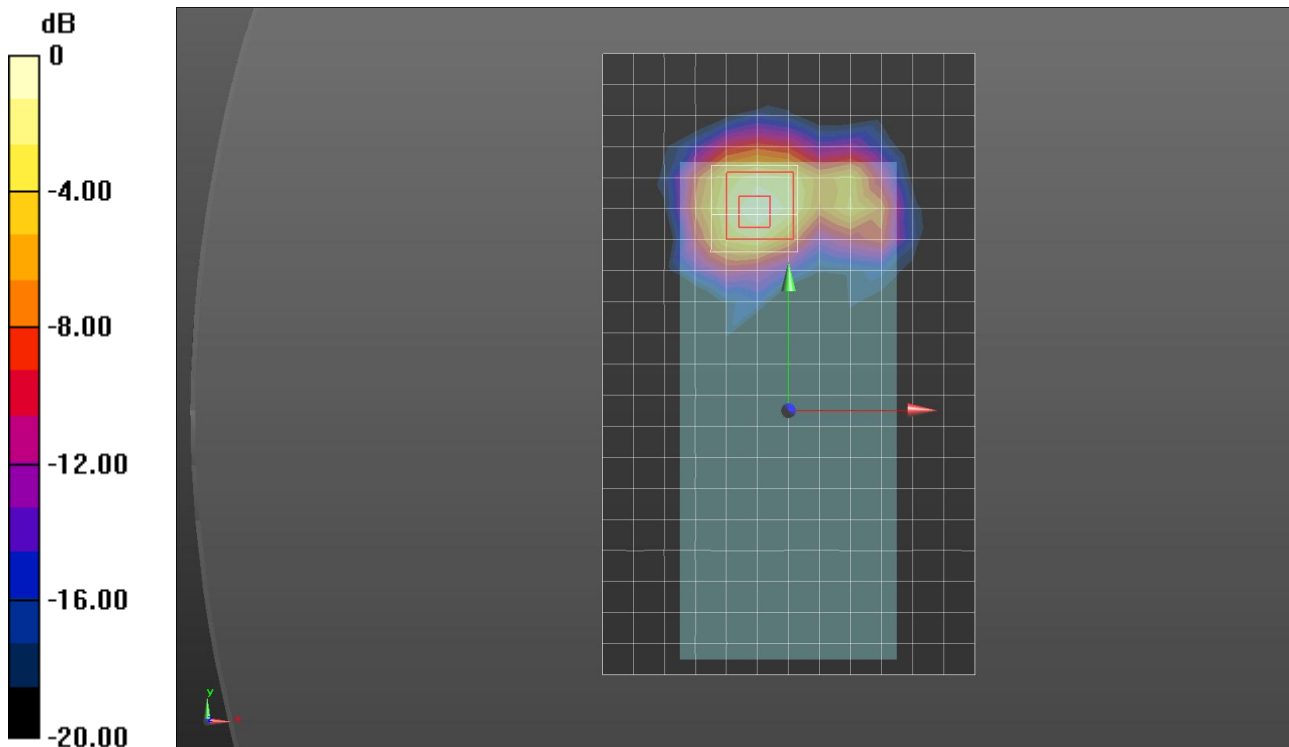
Body/Front/Zoom Scan (8x8x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 12.35 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.31 W/kg

SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.208 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

151ch / 802.11n HT40 MCS0

DUT: Smart Headset; Type: H725A; Serial: ES04

Frequency: 5755 MHz; Duty Cycle: 1:1

Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used (interpolated): $f = 5755 \text{ MHz}$; $\sigma = 6.107 \text{ S/m}$; $\epsilon_r = 47.619$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(4.56, 4.56, 4.56); Calibrated: 5/29/2015;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn508; Calibrated: 11/7/2014
- Phantom: ELI v4.0 (20deg probe tilt); Type: QDOVA001BB; Serial: TP:1063
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Front/Area Scan (13x21x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.939 W/kg

Body/Front/Zoom Scan (8x9x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

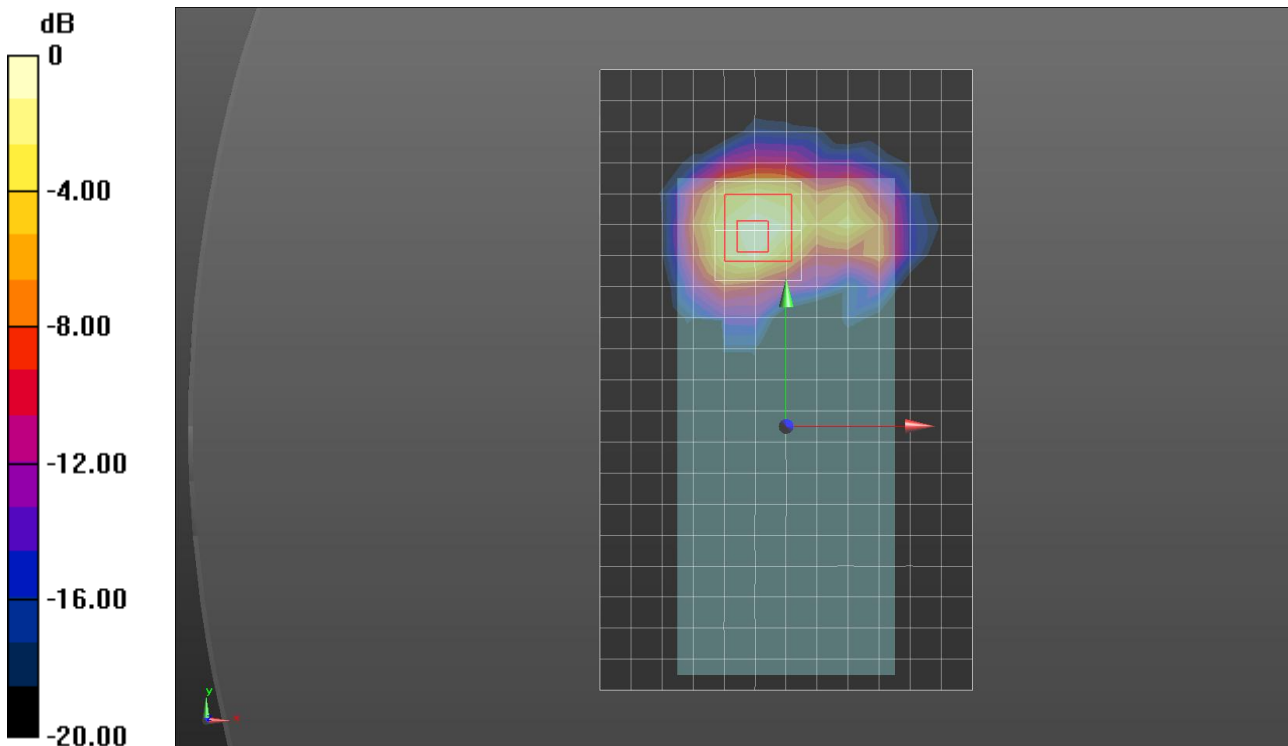
Reference Value = 12.00 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.15 W/kg

SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.197 W/kg

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg