

APPENDIX

Exhibit 1

System Validation Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

File Name: [Validation_M2450_0401014.da4](#)

System Validation

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 714

Program: Validation

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: M2450 ($\sigma = 2.023$ mho/m, $\epsilon_r = 52.299$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1678; ConvF(4.39, 4.39, 4.39); Calibrated: 2004/02/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2004/02/06
- Phantom: SAM 1194; Type: QD 000 P40 CA; Serial: 1194
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 90.5 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 15 mW/g

Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

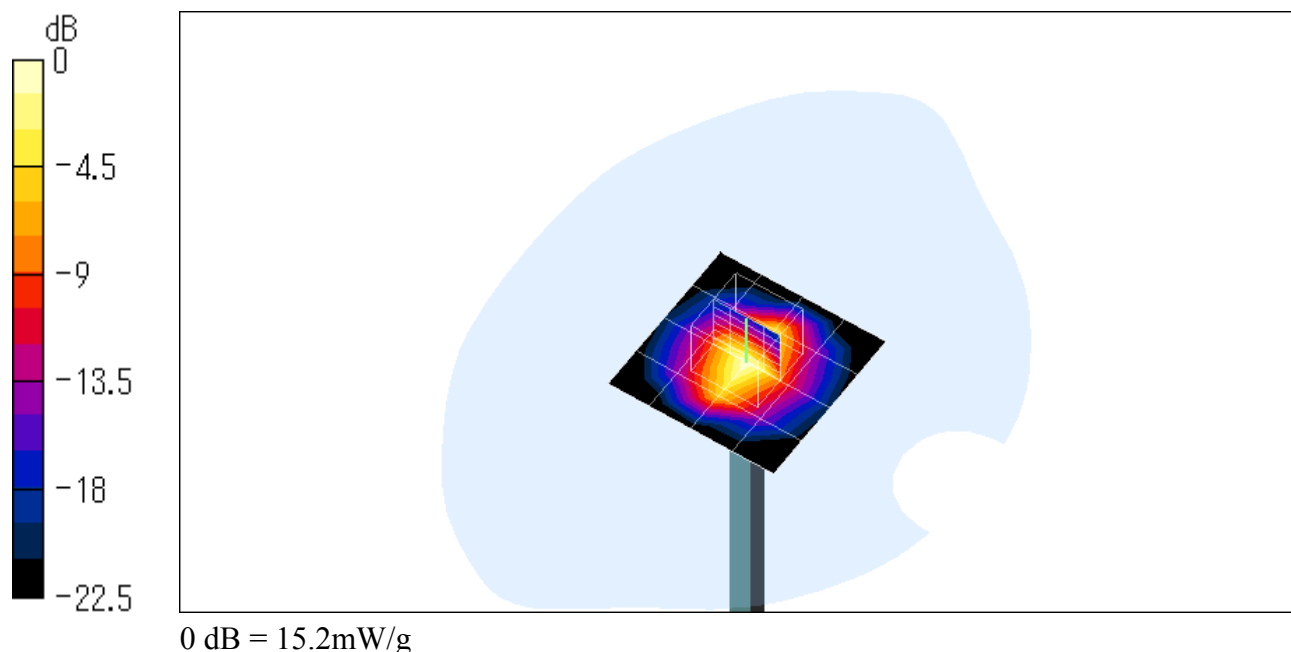
Peak SAR (extrapolated) = 32.8 W/kg

SAR(1 g) = 14 mW/g; SAR(10 g) = 6.21 mW/g

Reference Value = 90.5 V/m

Power Drift = 0.04 dB

Maximum value of SAR = 15.2 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

File Name: [Validation_H2450_0401015.da4](#)

System Validation

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 714**Program: Validation**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: HSL2450 ($\sigma = 1.885 \text{ mho/m}$, $\epsilon_r = 38.34$, $\rho = 1000 \text{ kg/m}^3$)

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1678; ConvF(4.74, 4.74, 4.74); Calibrated: 2004/02/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2004/02/06
- Phantom: SAM 1194; Type: QD 000 P40 CA; Serial: 1194
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 115

Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: dx=20mm, dy=20mm

Reference Value = 93.2 V/m

Power Drift = -0.005 dB

Maximum value of SAR = 14.4 mW/g

Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

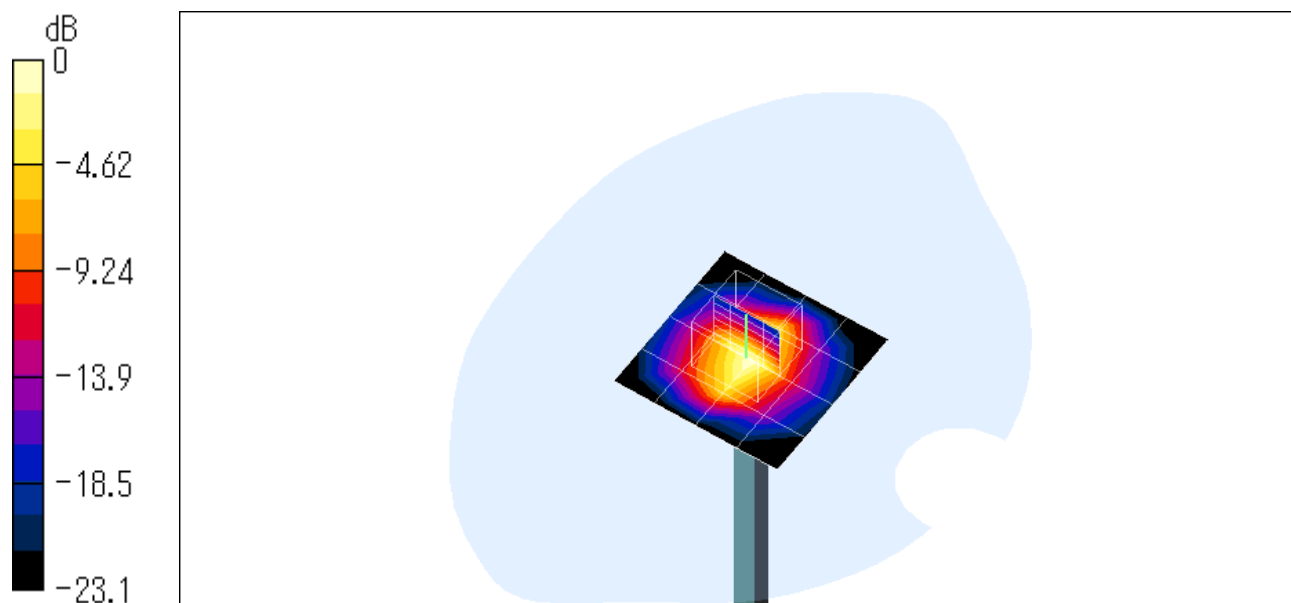
Peak SAR (extrapolated) = 28.7 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.03 mW/g

Reference Value = 93.2 V/m

Power Drift = -0.005 dB

Maximum value of SAR = 14.7 mW/g



0 dB = 14.7mW/g