

ATTACHMENT

Exhibit 1

System Validation Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

File Name: [Validation_M900_050630.da4](#)

System Validation

DUT: Dipole 900 MHz; Type: D900V2; Serial: 153**Program: Validation**

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: M900 ($\sigma = 1.035$ mho/m, $\epsilon_r = 54.15$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.43, 6.43, 6.43); Calibrated: 2004/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508;
- 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 = 55.4 V/m

Power Drift = -0.008 dB

Maximum value of SAR = 2.96 mW/g

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

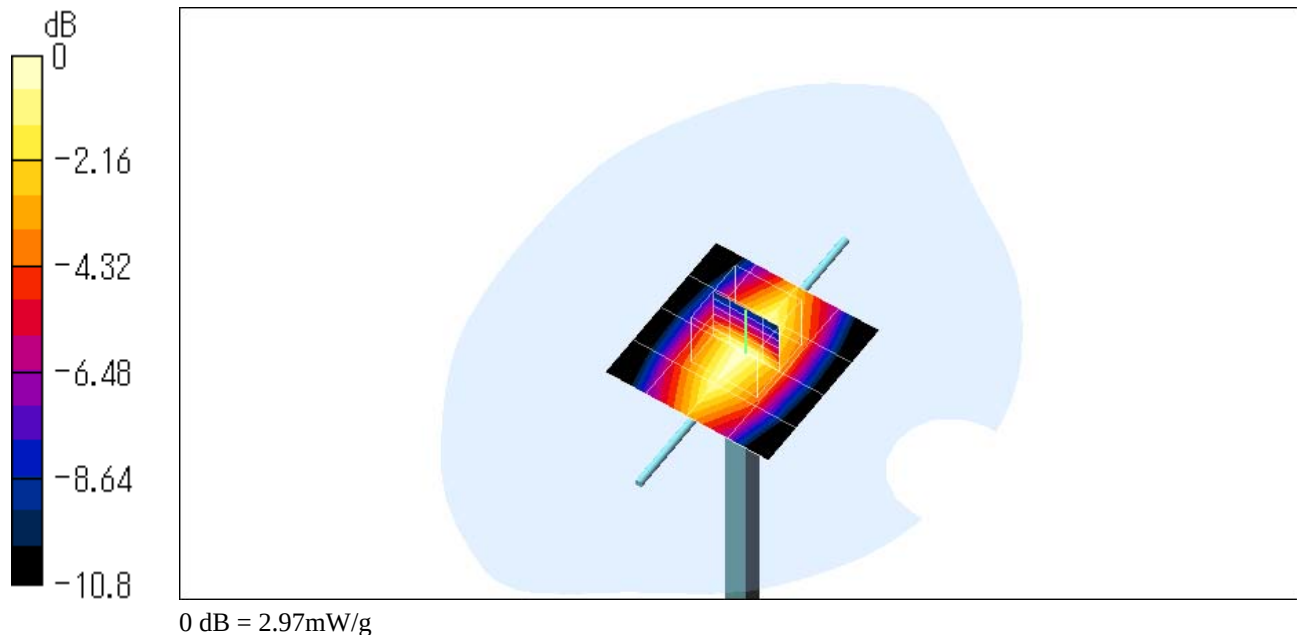
Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 2.75 mW/g; SAR(10 g) = 1.77 mW/g

Reference Value = 55.4 V/m

Power Drift = -0.008 dB

Maximum value of SAR = 2.97 mW/g



Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION
File Name: [Validation_HSL900_050701.da4](#)

System Validation

DUT: Dipole 900 MHz; Type: D900V2; Serial: 153
Program: Validation

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1
Medium: HSL900 ($\sigma = 0.943$ mho/m, $\epsilon_r = 40.47$, $\rho = 1000$ kg/m³)
Phantom section: Flat Section
Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.64, 6.64, 6.64); Calibrated: 2004/12/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508;
- 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 = 58.4 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 2.99 mW/g

Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 4.14 W/kg
SAR(1 g) = 2.76 mW/g; SAR(10 g) = 1.77 mW/g
Reference Value = 58.4 V/m
Power Drift = 0.02 dB
Maximum value of SAR = 2.95 mW/g

