



Attachment 1 – System Validation Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

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

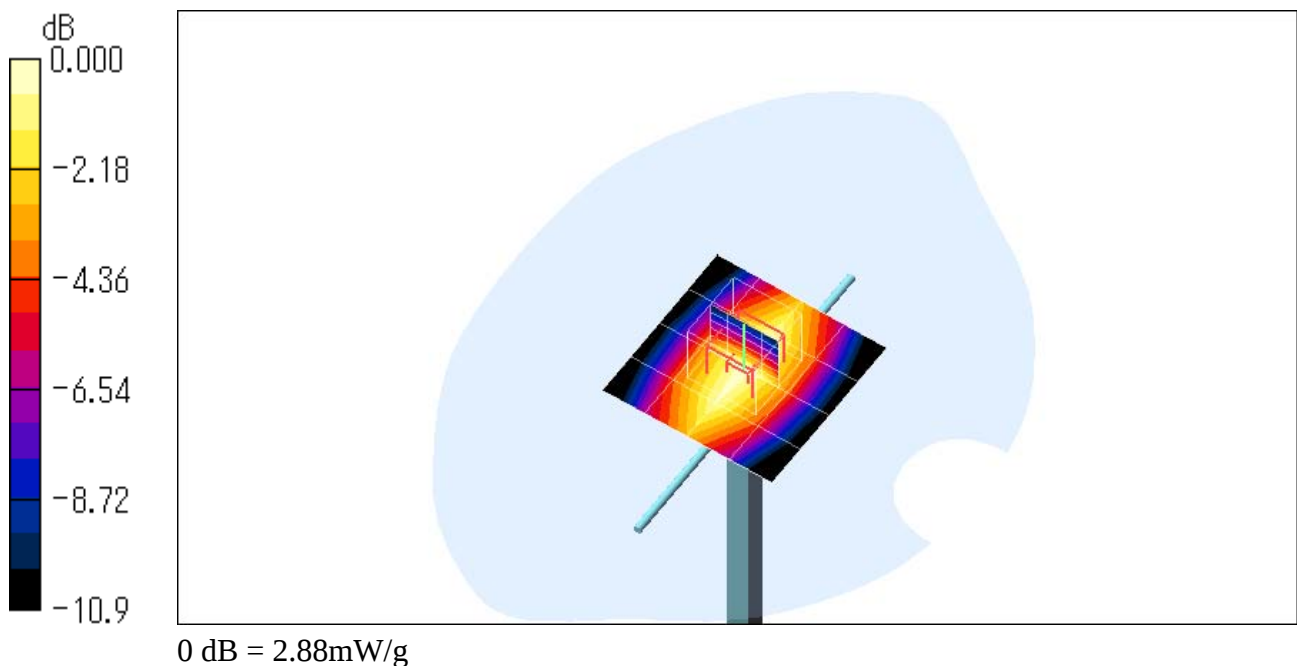
Medium: HSL900 Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 0.954 \text{ mho/m}$; $\epsilon_r = 41.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.69, 6.69, 6.69); Calibrated: 2007/11/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2007/11/07
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (measured) = 2.89 mW/g **Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 57.8 V/m ; Power Drift = -0.010 dB Peak SAR (extrapolated) = 3.72 W/kg **SAR(1 g) = 2.65 mW/g ; SAR(10 g) = 1.73 mW/g** Maximum value of SAR (measured) = 2.88 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

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

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

Medium: M900 Medium parameters used: $f = 900 \text{ MHz}$; $\sigma = 1.03 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(6.18, 6.18, 6.18); Calibrated: 2007/11/15
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2007/11/07
- Phantom: SAM 1194; Type: QD 000 P40 CA; Serial: 1194
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Antenna Input Power 250 mW/Area Scan (5x5x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (measured) = 3.05 mW/g **Antenna Input Power 250 mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 57.6 V/m ; Power Drift = -0.011 dB Peak SAR (extrapolated) = 3.88 W/kg **SAR(1 g) = 2.82 mW/g ; SAR(10 g) = 1.86 mW/g** 