

Appendix A

System Validation Plots

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1. D2450V2-SN: 904 Validation Plot 3

1. D2450V2-SN: 904 Validation Plot

Date: 08.04.2026

Test Laboratory: Guangdong Dongdian Testing Service Co., Ltd.

2450

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:904

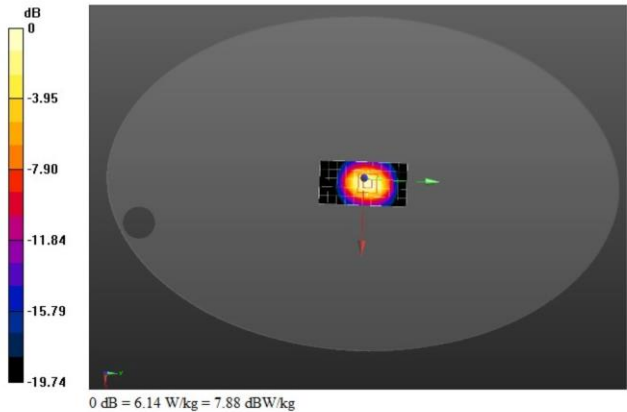
Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz); Frequency: 2450 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.767 \text{ S/m}$; $\epsilon_r = 38.594$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(7.9, 7.9, 7.9) @ 2450 MHz; Calibrated: 28.05.2025
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 28.05.2025
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/tilt/Area Scan (6x11x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 5.56 W/kg

Configuration/tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 56.72 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 5.39 W/kg; SAR(10 g) = 2.61 W/kg
Smallest distance from peaks to all points 3 dB below = 10.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.7%
Maximum value of SAR (measured) = 6.14 W/kg



2. D900V2-SN: 1d150 Validation Plot

Date: 02.04.2026

Test Laboratory: Guangdong Dongdian Testing Service Co., Ltd.

900

DUT: Dipole 900 MHz D900V2; Type: D900V2; Serial: D900V2 - SN:xxx

Communication System: UID 0, CW (0); Communication System Band: D900 (900.0 MHz); Frequency: 900 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used: $f = 900\text{ MHz}$; $\sigma = 0.941\text{ S/m}$; $\epsilon_r = 40.986$; $\rho = 1000\text{ kg/m}^3$
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3906; ConvF(10.22, 10.22, 10.22) @ 900 MHz; Calibrated: 28.05.2025
- Sensor-Surface: 3mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1366; Calibrated: 28.05.2025
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1197
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Configuration/tilt/Area Scan (8x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 1.21 W/kg

Configuration/tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 35.83 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.748 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)
Ratio of SAR at M2 to SAR at M1 = 69%
Maximum value of SAR (measured) = 1.21 W/kg

