

## SystemPerformanceCheck-2450MHz-Head

Communication System: UID 0, CW (0); Communication System Band: D2450 (2450.0 MHz);

Frequency: 2450 MHz;

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.881$  S/m;  $\epsilon_r = 40.023$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7812; ConvF(7.26, 6.75, 6.78); Calibrated: 2023/5/16;
- Sensor-Surface: 3mm (Mechanical Surface Detection),  $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2023/5/17
- Phantom: SAM; Type: QD000P40CD; Serial: 1805
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/D2450V2/Area Scan (9x9x1):** Measurement grid:  $dx=12$  mm,  $dy=12$  mm

Maximum value of SAR (measured) = 16.9 W/kg

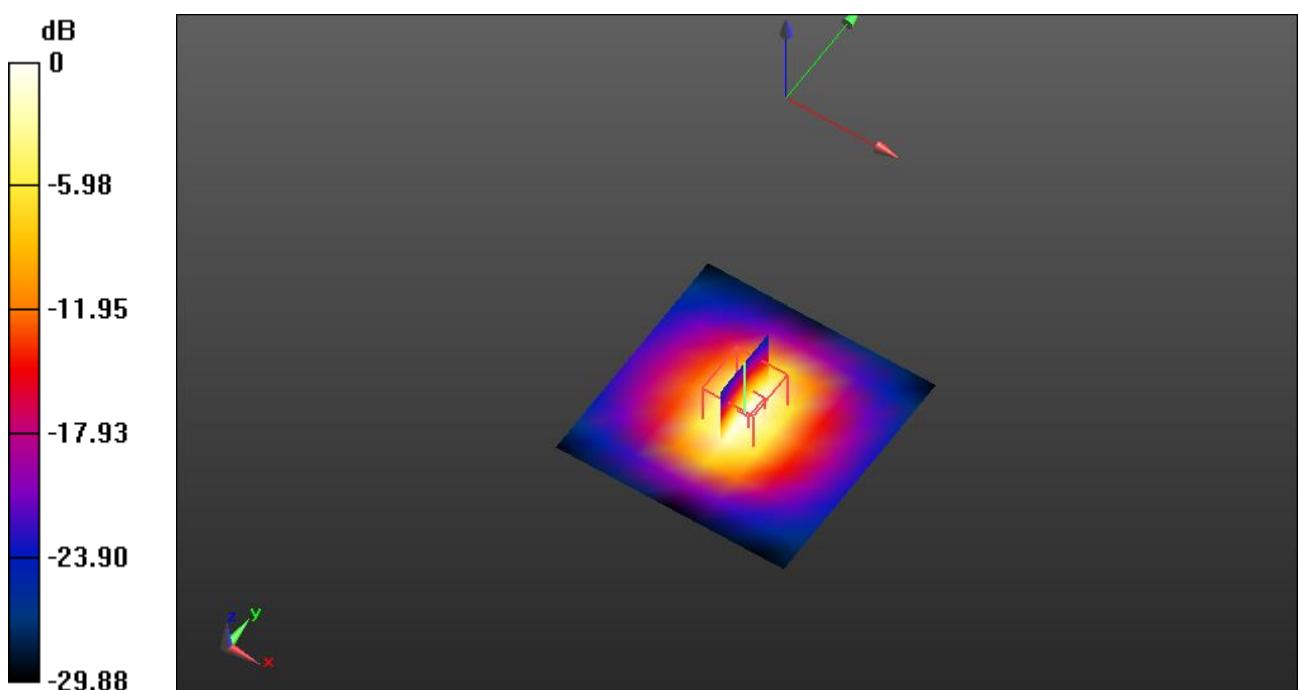
**Configuration/D2450V2/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$  mm,  $dy=5$  mm,  $dz=5$  mm

Reference Value = 89.59 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 25.6 W/kg

**SAR(1 g) = 13 W/kg; SAR(10 g) = 6.19 W/kg**

Maximum value of SAR (measured) = 17.1 W/kg



## System Performance Check-5750MHz-Head

Communication System: UID 0, CW (0); Communication System Band: D5GHz (5000.0 - 6000.0 MHz); Frequency: 5750 MHz;

Medium parameters used:  $f = 5750$  MHz;  $\sigma = 5.066$  S/m;  $\epsilon_r = 35.474$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7812; ConvF(4.81, 4.4, 4.44); Calibrated: 2023/5/16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2023/5/17
- Phantom: SAM; Type: QD000P40CD; Serial: 1805
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**System Performance Check with D5GHzV2 Dipole (graded grid)/d=10mm, Pin=100mW, f=5750 MHz/Area Scan (10x10x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (measured) = 9.11 W/kg

**System Performance Check with D5GHzV2 Dipole (graded grid)/d=10mm, Pin=100mW, f=5750 MHz/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm**

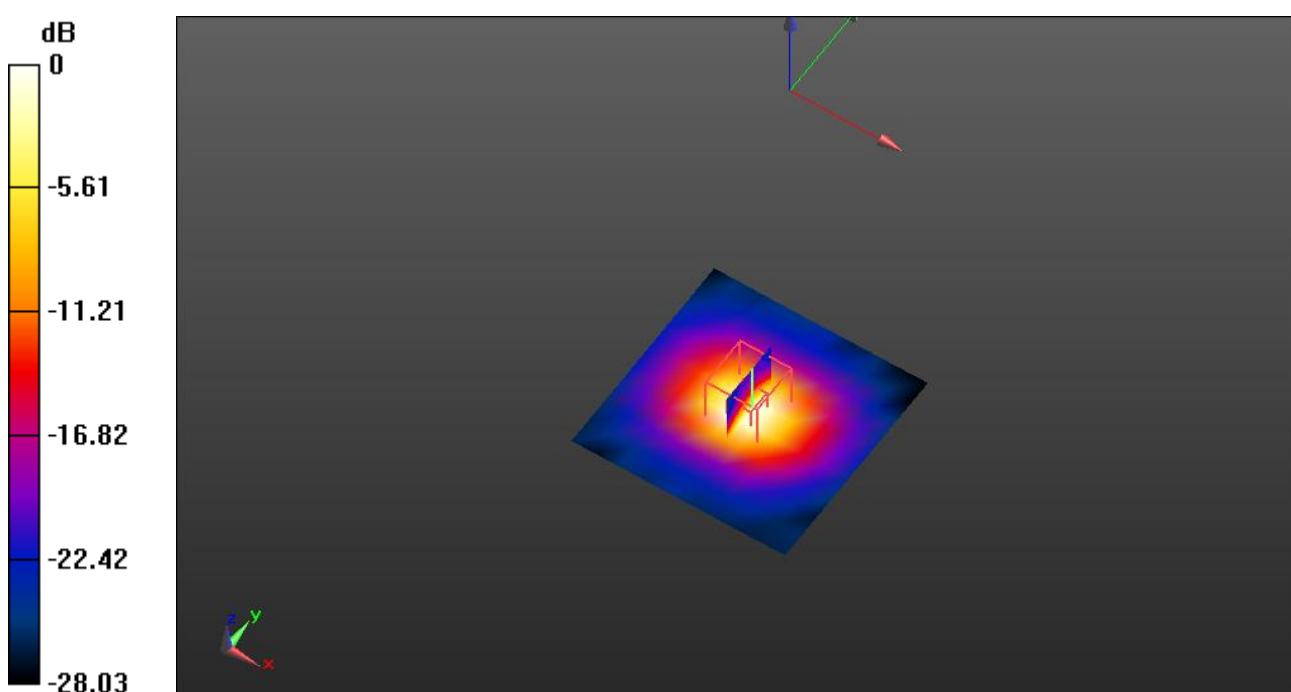
**(8x8x7)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$

Reference Value = 58.50 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 24.8 W/kg

**SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.32 W/kg**

Maximum value of SAR (measured) = 13.3 W/kg



$$0 \text{ dB} = 9.11 \text{ W/kg} = 9.59 \text{ dBW/kg}$$