

Appendix C:Plots of SAR test Data

5.2GWIFI-AC40-CH38-Top

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1093

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-1; Frequency: 5190 MHz;

Medium parameters used (interpolated): $f = 5190$ MHz; $\sigma = 4.48$ S/m; $\epsilon_r = 35.48$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.7, 5.98, 5.71); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (81x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.018 W/kg

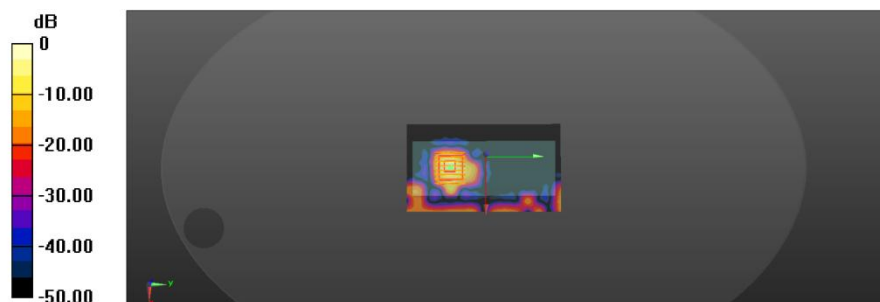
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 0.990 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.13 W/kg

Maximum value of SAR (measured) = 3.64 W/kg



5.3GWIFI-N40-CH54-Top

DUT: Dipole 5GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1093

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-2A; Frequency: 5270 MHz;

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.69$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.7, 5.98, 5.71); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2058
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (81x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.112 W/kg

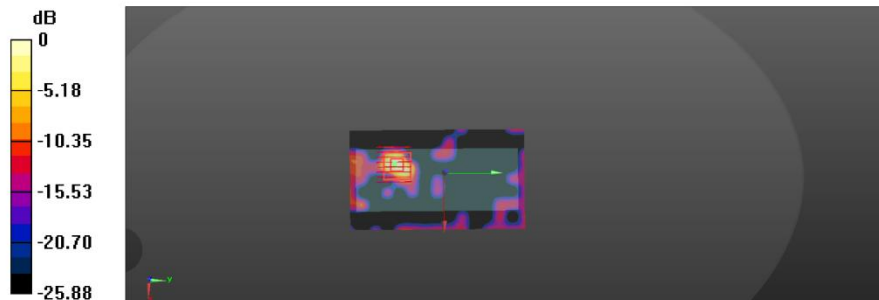
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 1.372 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.135 W/kg

SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.07 W/kg

Maximum value of SAR (measured) = 3.25 W/kg



5.2GWIFI-AC40-CH38-Body Top

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-1; Frequency: 5190 MHz;

Medium parameters used (interpolated): $f = 5190 \text{ MHz}$; $\sigma = 4.48 \text{ S/m}$; $\epsilon_r = 35.48$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.7, 5.98, 5.71); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1802
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (81x141x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.469 W/kg

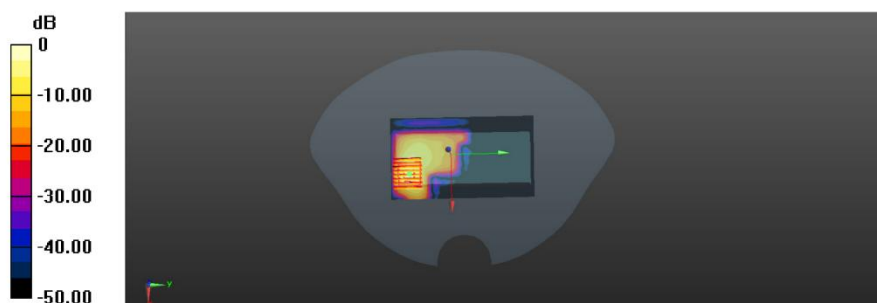
Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.025 V/m ; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.518 W/kg

SAR(1 g) = 0.728 W/kg ; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.816 W/kg



5.3GWIFI-N40-CH54-Body Top

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-A; Frequency: 5270 MHz;

Medium parameters used (interpolated): $f = 5270$ MHz; $\sigma = 4.69$ S/m; $\epsilon_r = 35.27$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.7, 5.98, 5.71); Calibrated: 9/10/2025;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn387; Calibrated: 13/10/2025
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: 1802
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

Area Scan (81x141x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.444 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=5mm

Reference Value = 1.837 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.812 W/kg; SAR(10 g) = 0.468 W/kg

Maximum value of SAR (measured) = 0.964 W/kg

