

Appendix C:Plots of SAR test Data

WLAN2.4G-11B-CH1-Body Top

Communication System: UID 0, wifi (0); Communication System Band: wifi; Frequency: 2412 MHz;

Medium parameters used (interpolated): $f = 2412$ MHz; $\sigma = 1.836$ S/m; $\epsilon_r = 41.085$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(7.26, 7.62, 7.28); 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.732 W/kg

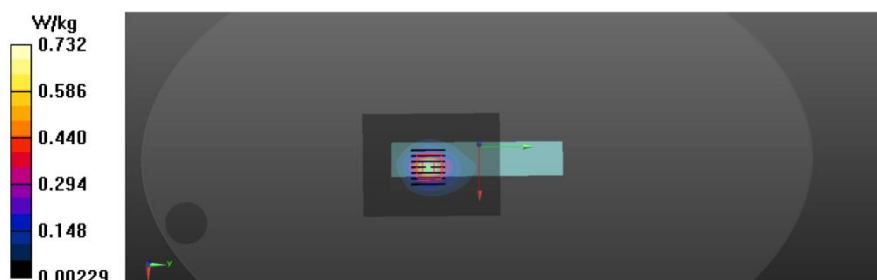
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.277 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.949 W/kg

SAR(1 g) = 0.490 W/kg; SAR(10 g) = 0.232 W/kg

Maximum value of SAR (measured) = 0.726 W/kg



RLAN5.2G-N20-CH36-Body Top

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-1; Frequency: 5180 MHz;

Medium parameters used (interpolated): $f = 5180$ MHz; $\sigma = 4.832$ S/m; $\epsilon_r = 37.294$; $\rho = 1000$ 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.426 W/kg

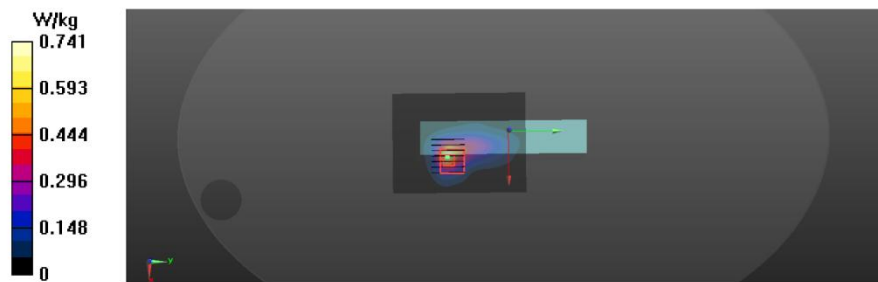
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.805 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.53 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.828 W/kg



RLAN5.3G-11A-CH64-Body Front

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-2A; Frequency: 5320 MHz;

Medium parameters used (interpolated): $f = 5320$ MHz; $\sigma = 4.981$ S/m; $\epsilon_r = 36.894$; $\rho = 1000$ 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 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.625 W/kg

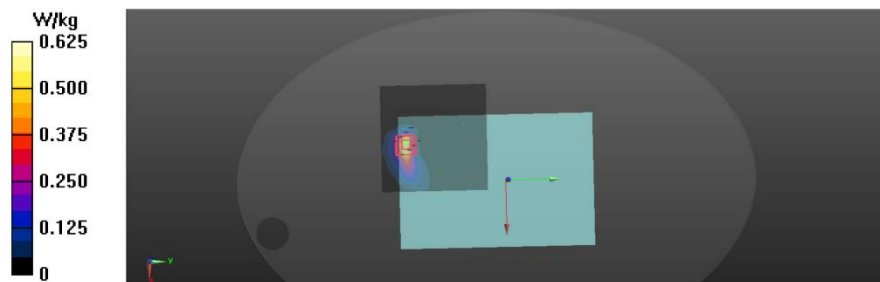
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.854 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.649 W/kg



RLAN5.6G-A-CH100-Body Top

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-2C; Frequency: 5500 MHz;

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.192$ S/m; $\epsilon_r = 36.734$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.29, 5.54, 5.3); 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 (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.279 W/kg

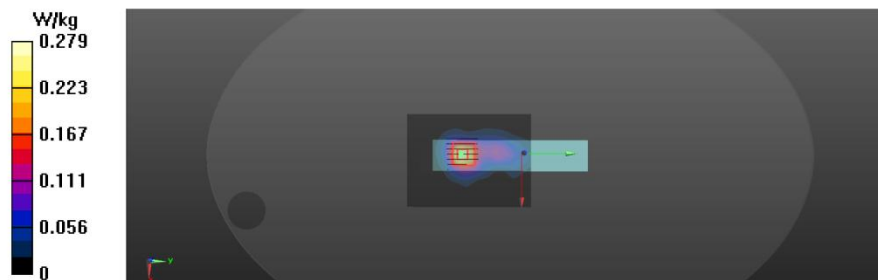
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.279 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.371 W/kg



RLAN5.8G-N20-CH149-Body Front

Communication System: UID 0, 802.11a (0); Communication System Band: U-NII-3; Frequency: 5745 MHz;

Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.468$ S/m; $\epsilon_r = 36.424$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3959; ConvF(5.35, 5.61, 5.36); 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 (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.299 W/kg

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

Reference Value = 0.620 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.068 W/kg

Maximum value of SAR (measured) = 0.377 W/kg

