



Appendix B

Detailed Test Results

1. WIFI
WIFI 2.4GHz for Body
WIFI 5.2GHz for Body
WIFI 5.3GHz for Body
WIFI 5.5GHz for Body
WIFI 5.8GHz for Body





Date: 2024/3/6

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 1CH Rear side 0mm**DUT: LMAB079-WIFI; Type: AI BOX; Serial: A240220004-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2412 MHz; Duty Cycle: 1:1.543

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 39.627$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.42, 7.42, 7.42); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (9x13x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.451 W/kg

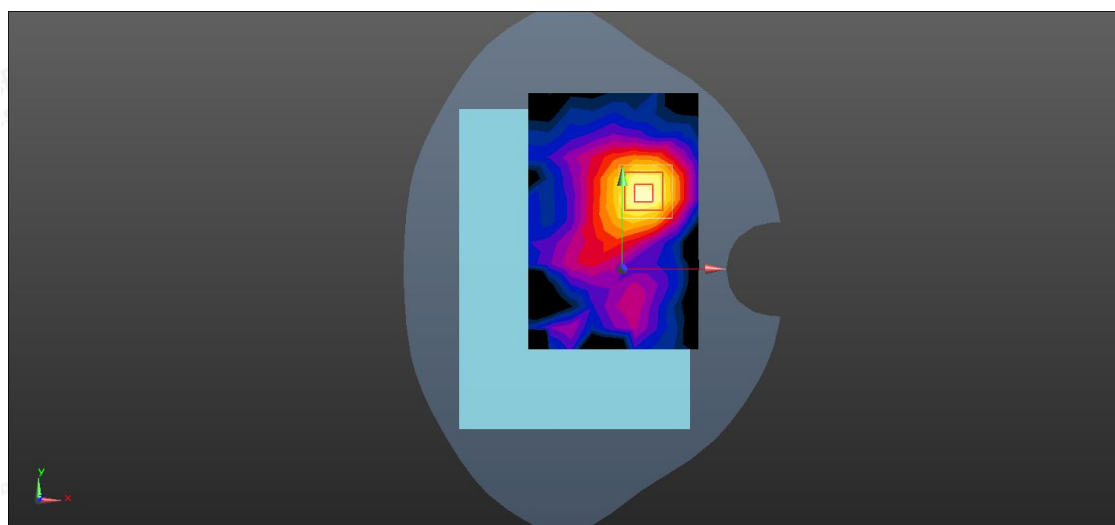
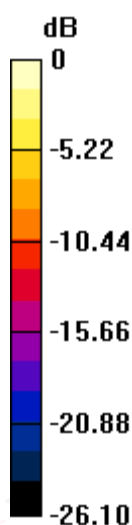
Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.403 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.173 W/kg

Maximum value of SAR (measured) = 0.574 W/kg



0 dB = 0.574 W/kg = -2.41 dBW/kg



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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Date: 2024/3/7

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 36CH Body Rear 0mm**DUT: LMAB079-WIFI; Type: AI BOX; Serial: A240220004-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5180 MHz; Duty Cycle: 1:1.543

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.652 \text{ S/m}$; $\epsilon_r = 36.16$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (10x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.692 W/kg

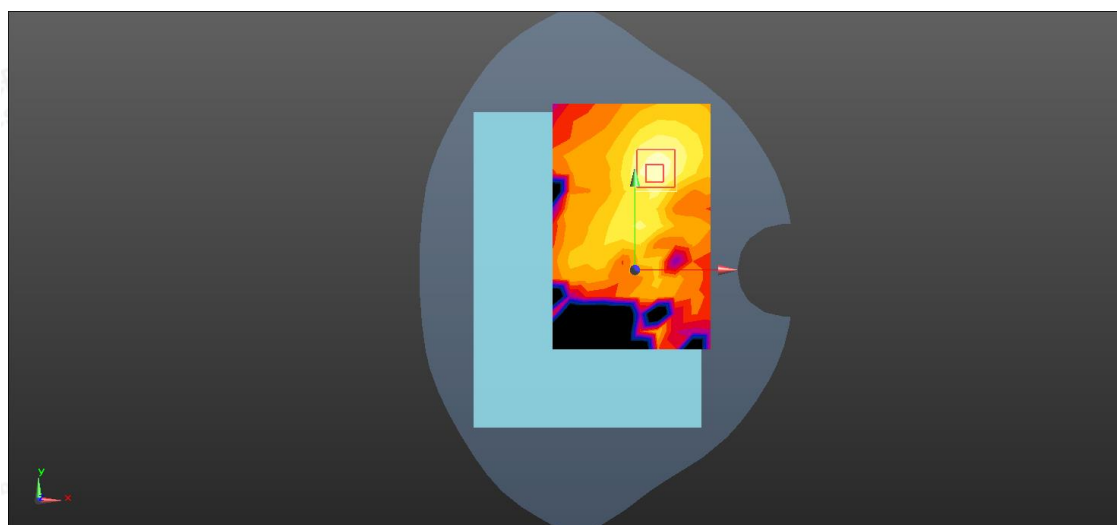
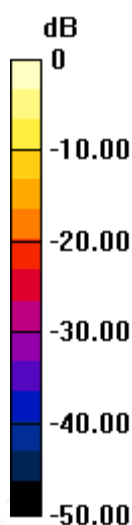
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.867 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.377 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.725 W/kg



0 dB = 0.725 W/kg = -1.40 dBW/kg



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Date: 2024/3/7

Test Laboratory: LCS-SAR Lab

WIFI 5.3G 802.11n40 62CH Body Rear 0mm**DUT: LMAB079-WIFI; Type: AI BOX; Serial: A240220004-1**

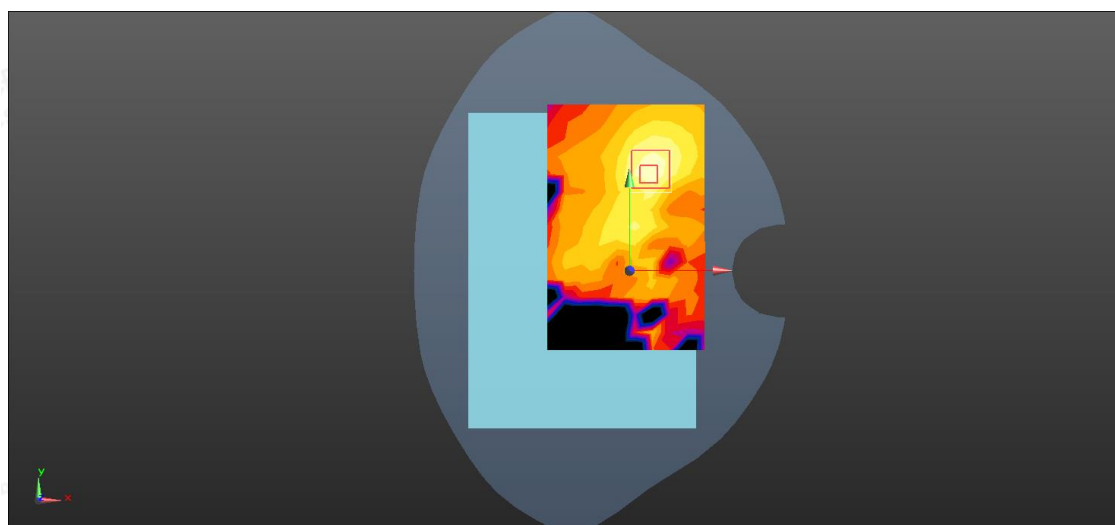
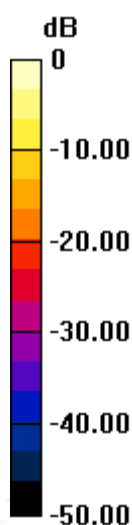
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5310 MHz; Duty Cycle: 1:1.816

Medium parameters used: $f = 5310 \text{ MHz}$; $\sigma = 4.715 \text{ S/m}$; $\epsilon_r = 36.186$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.38, 5.38, 5.38); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (10x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.732 W/kg **Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 1.907 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 1.39 W/kg **SAR(1 g) = 0.389 W/kg ; SAR(10 g) = 0.132 W/kg** Maximum value of SAR (measured) = 0.767 W/kg  $0 \text{ dB} = 0.767 \text{ W/kg} = -1.15 \text{ dBW/kg}$ 

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Date: 2024/3/8

Test Laboratory: LCS-SAR Lab

WIFI 5.5G 802.11a 100CH Body Rear 0mm**DUT: LMAB079-WIFI; Type: AI BOX; Serial: A240220004-1**

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5500 MHz; Duty Cycle: 1:1.045

Medium parameters used: $f = 5500$ MHz; $\sigma = 4.894$ S/m; $\epsilon_r = 35.76$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.75, 4.75, 4.75); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (10x15x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.572 W/kg

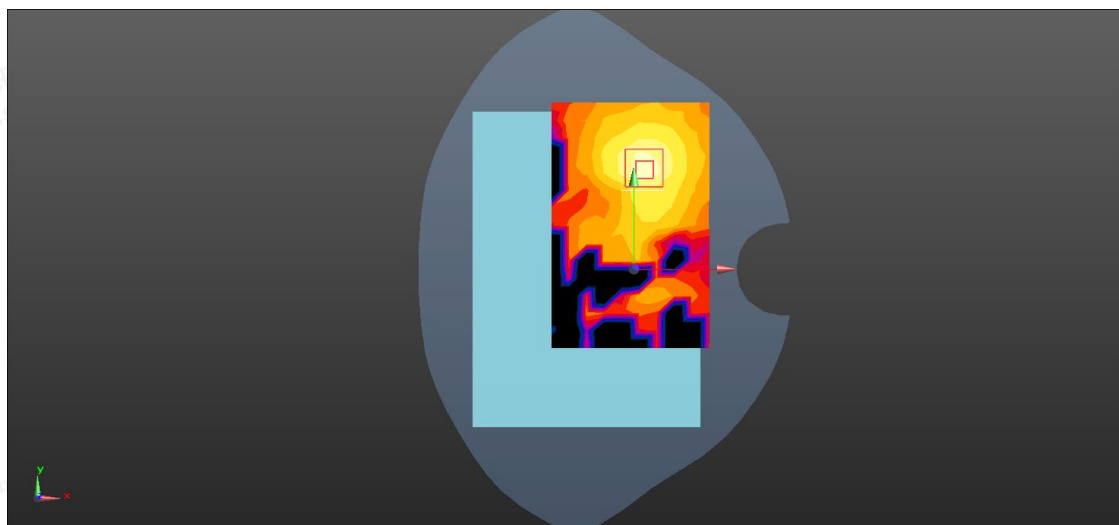
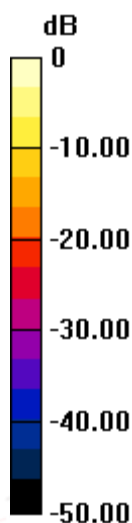
Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.605 W/kg



0 dB = 0.605 W/kg = -2.18 dBW/kg



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Date: 2024/3/8

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 165CH Body Rear 0mm**DUT: LMAB079-WIFI; Type: AI BOX; Serial: A240220004-1**

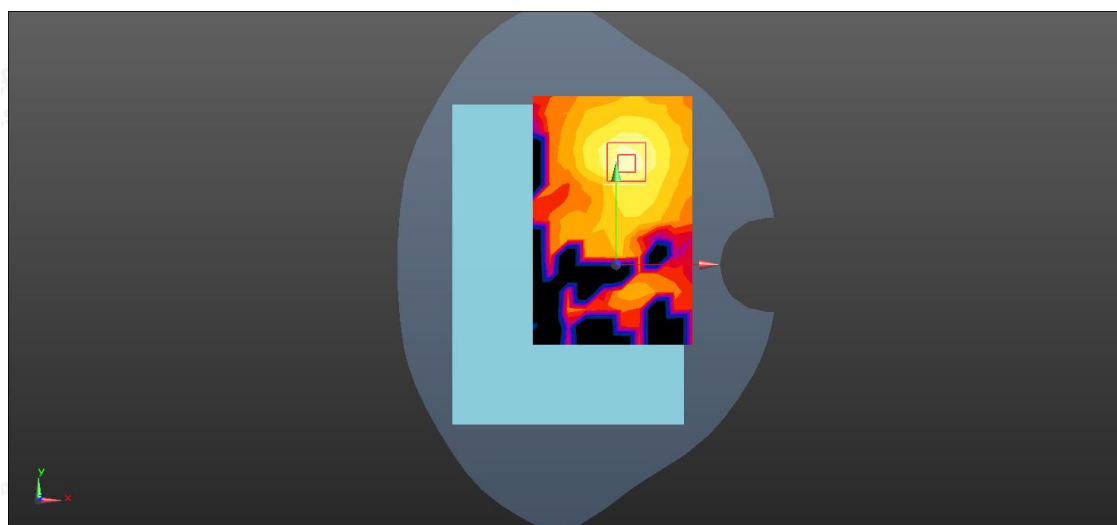
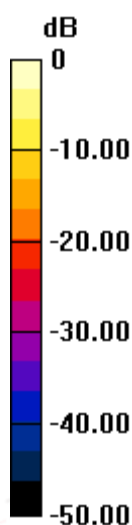
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5825 MHz; Duty Cycle: 1:1.023

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.234 \text{ S/m}$; $\epsilon_r = 35.443$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.88, 4.88, 4.88); Calibrated: 2023/11/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2024/1/3
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/Unnamed procedure/Area Scan (10x15x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.625 W/kg **Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 0 V/m ; Power Drift = 0.00 dB Peak SAR (extrapolated) = 1.24 W/kg **SAR(1 g) = 0.333 W/kg ; SAR(10 g) = 0.104 W/kg** Maximum value of SAR (measured) = 0.660 W/kg  $0 \text{ dB} = 0.660 \text{ W/kg} = -1.80 \text{ dBW/kg}$ 

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