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: 2024/1/31

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 11CH Rear side 10mm

DUT: AiBoo-V188; Type: Ai dual camera device; Serial: A12043052-1

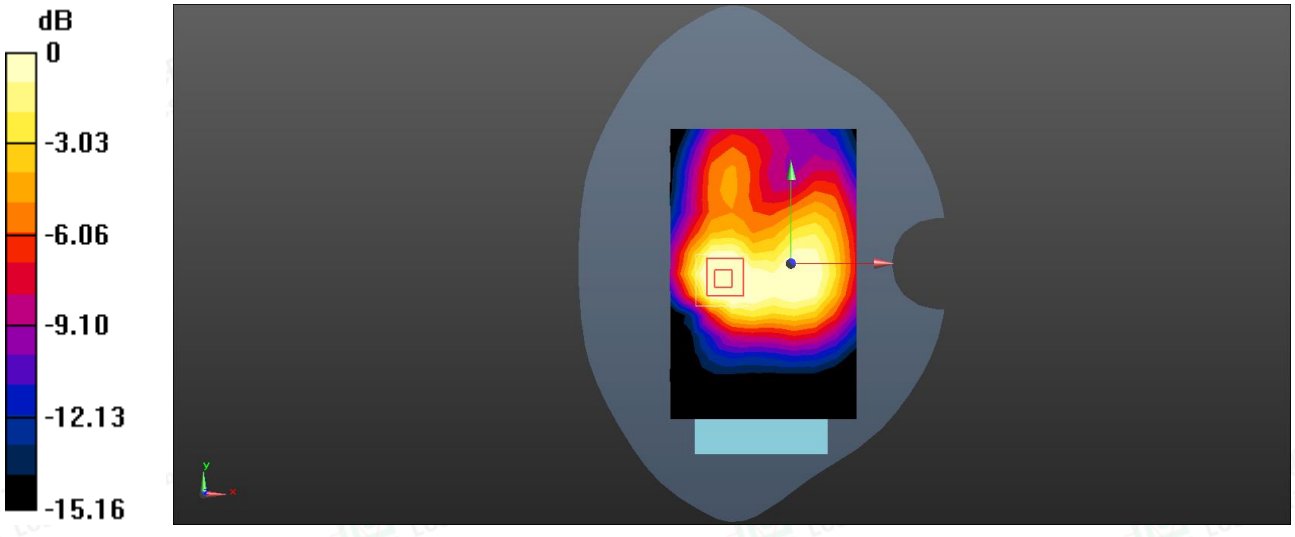
Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2462 MHz;Duty Cycle: 1:1.008
Medium parameters used: f = 2462 MHz; σ = 1.794 S/m; ε_r = 39.584; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (10x15x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.539 W/kg

Configuration/Unnamed procedure/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.436 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.136 W/kg
Maximum value of SAR (measured) = 0.323 W/kg



0 dB = 0.323 W/kg = -4.91 dBW/kg

Date: 2024/2/4

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 48CH Rear side 10mm

DUT: AiBoo-V188; Type: Ai dual camera device; Serial: A12043052-1

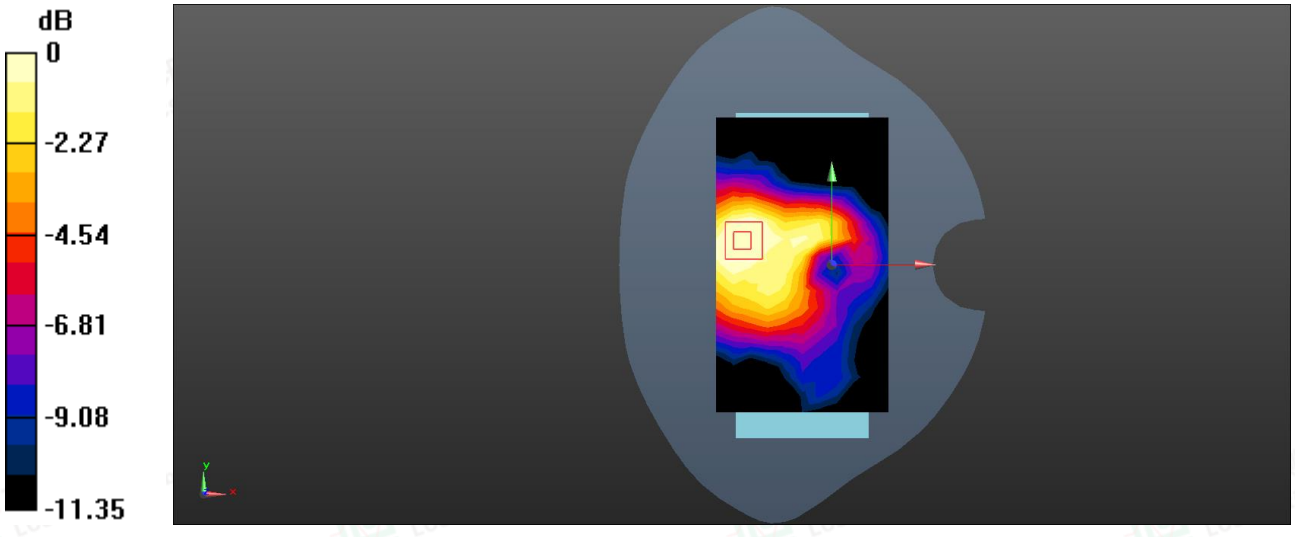
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5240 MHz;Duty Cycle: 1:1.017
Medium parameters used: f = 5240 MHz; σ = 4.761 S/m; ε_r = 36.361; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (11x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.288 W/kg

Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.889 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.185 W/kg; SAR(10 g) = 0.084 W/kg
Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg = -6.97 dBW/kg

Date: 2024/2/4

Test Laboratory: LCS-SAR Lab

WIFI 5.3GHz 802.11a 64CH Rear side 10mm

DUT: AiBoo-V188; Type: Ai dual camera device; Serial: A12043052-1

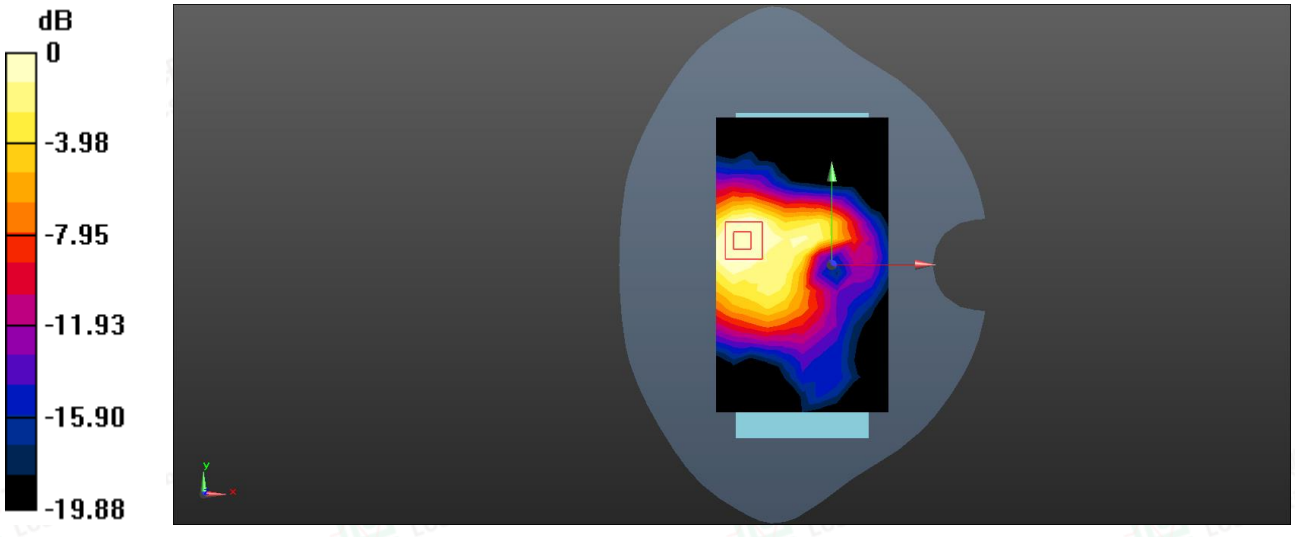
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz;Duty Cycle: 1:1.017
Medium parameters used: f = 5320 MHz; σ = 4.699 S/m; ε_r = 36.024; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (11x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.314 W/kg

Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 1.238 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 0.728 W/kg
SAR(1 g) = 0.198 W/kg; SAR(10 g) = 0.109 W/kg
Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.335 W/kg = -4.75 dBW/kg

Date: 2024/2/4

Test Laboratory: LCS-SAR Lab

WIFI 5.5G 802.11a 140CH Rear side 10mm

DUT: AiBoo-V188; Type: Ai dual camera device; Serial: A12043052-1

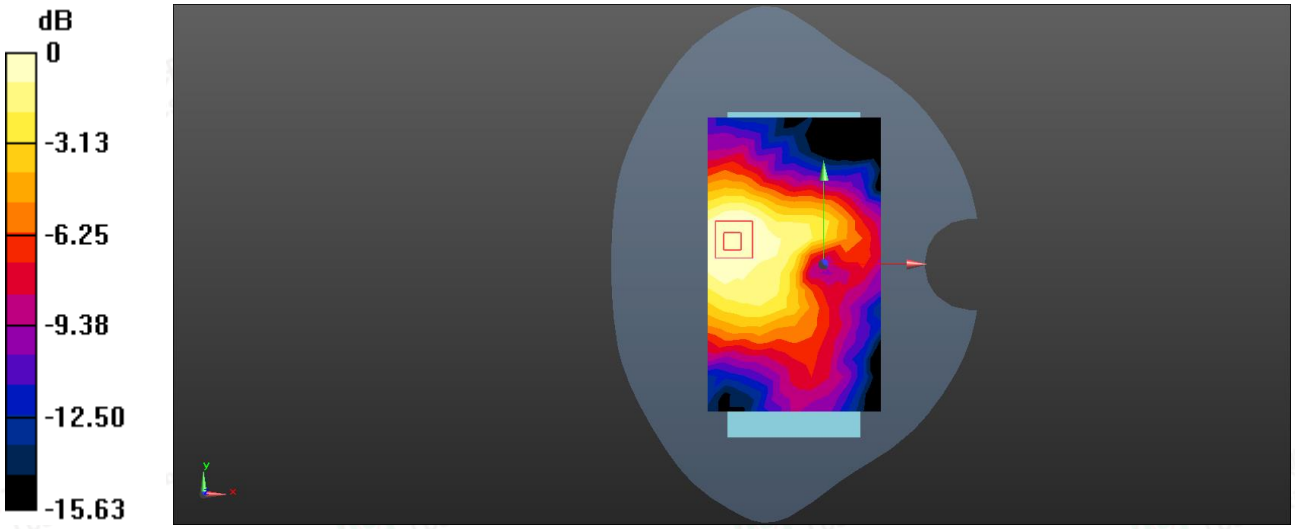
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5700 MHz;Duty Cycle: 1:1.017
Medium parameters used: f = 5700 MHz; σ = 5.112 S/m; ε_r = 35.536; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (11x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.226 W/kg

Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.210 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.160 W/kg



0 dB = 0.160 W/kg = -7.96 dBW/kg

Date: 2024/2/4

Test Laboratory: LCS-SAR Lab

WIFI 5.8GHz 802.11a 165CH Rear side 10mm

DUT: AiBoo-V188; Type: Ai dual camera device; Serial: A12043052-1

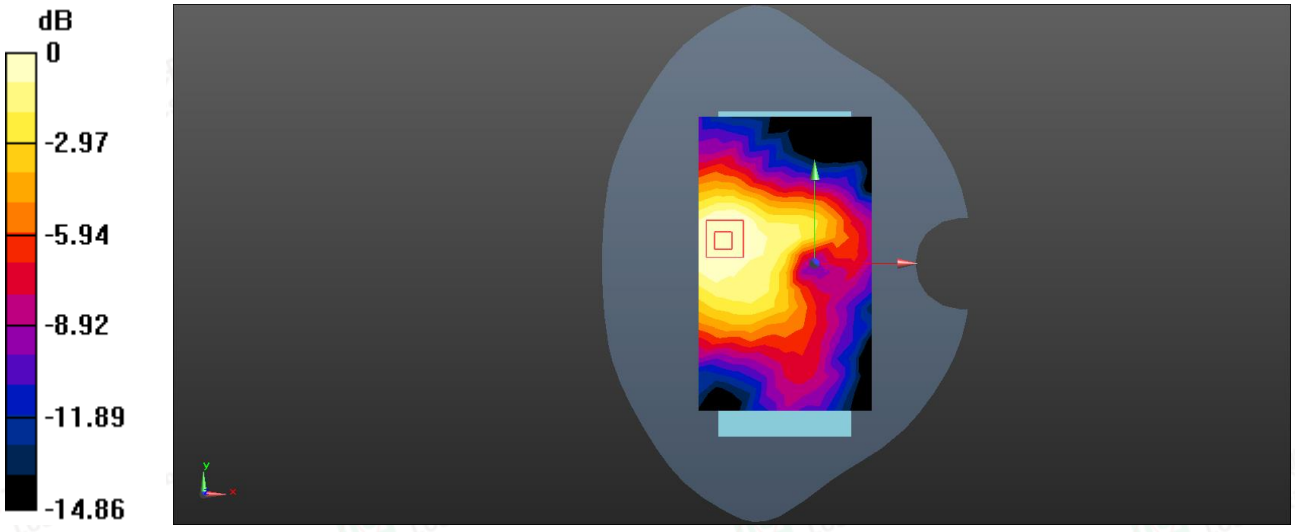
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5825 MHz;Duty Cycle: 1:1.017
Medium parameters used: f = 5825 MHz; σ = 5.347 S/m; ε_r = 35.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (11x18x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.245 W/kg

Configuration/Unnamed procedure/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 3.276 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.426 W/kg
SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.074 W/kg
Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg = -7.59 dBW/kg