

Appendix B

Detailed Test Results

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





Date: 2025/4/20

Test Laboratory: LCS-SAR Lab

WIFI 2.4G 802.11b 1CH Front side 0mm**DUT: FIREFLY CAMERAS; Type:FIREFLY Q8; Serial: A250408018-1**

Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2412 MHz;Duty Cycle: 1:1014

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.763$ S/m; $\epsilon_r = 39.354$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.43, 7.43, 7.43); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (10x15x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.699 W/kg

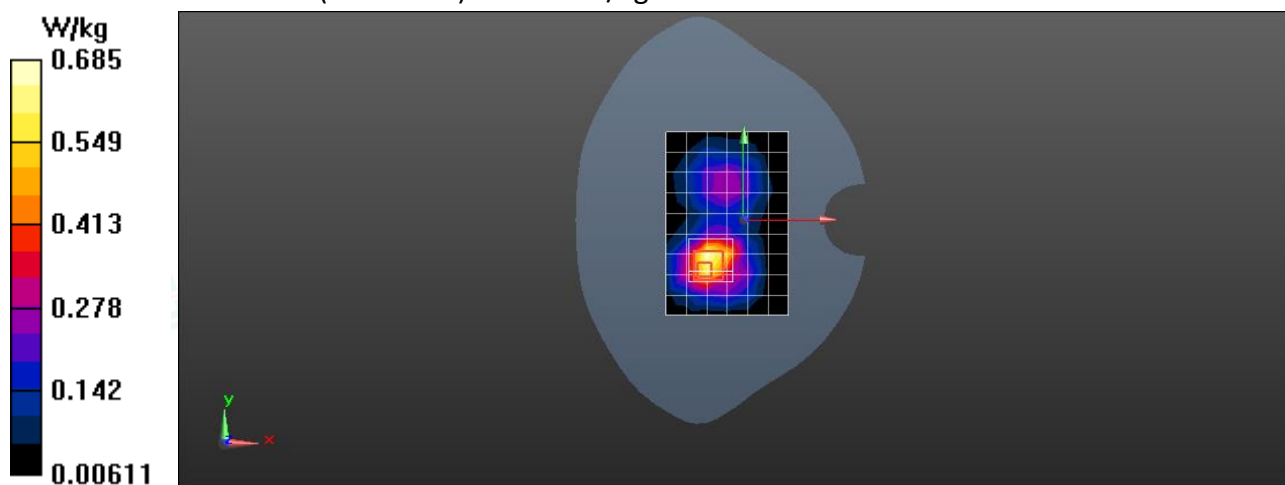
Configuration/ Body /Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.152 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.287 W/kg

Maximum value of SAR (measured) = 0.685 W/kg



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Scan code to check authenticity



Date: 2025/4/22

Test Laboratory: LCS-SAR Lab

WIFI 5.2G 802.11a 40CH Front side 0mm**DUT: FIREFLY CAMERAS; Type:FIREFLY Q8; Serial: A250408018-1**

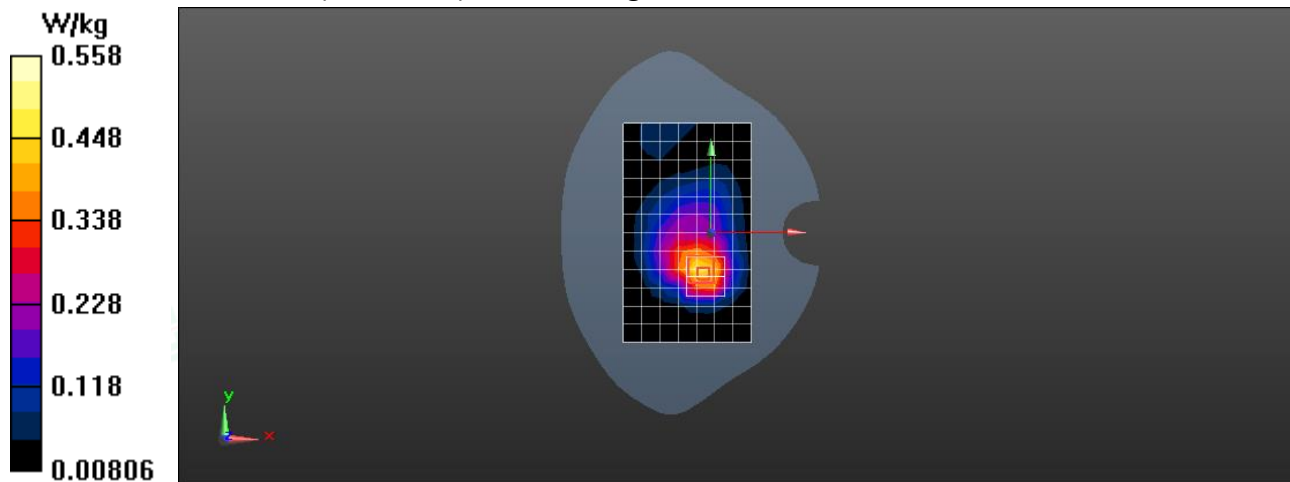
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5200 MHz;Duty Cycle: 1:1.057

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.532 \text{ S/m}$; $\epsilon_r = 37.778$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.36, 5.36, 5.36); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (11x18x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.575 W/kg **Configuration/ Body /Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 2.635 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 1.02 W/kg **SAR(1 g) = 0.298 W/kg ; SAR(10 g) = 0.128 W/kg** Maximum value of SAR (measured) = 0.558 W/kg 

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Date: 2025/4/22

Test Laboratory: LCS-SAR Lab

WIFI 5.8G 802.11a 149CH Front side 0mm**DUT: FIREFLY CAMERAS; Type:FIREFLY Q8; Serial: A250408018-1**

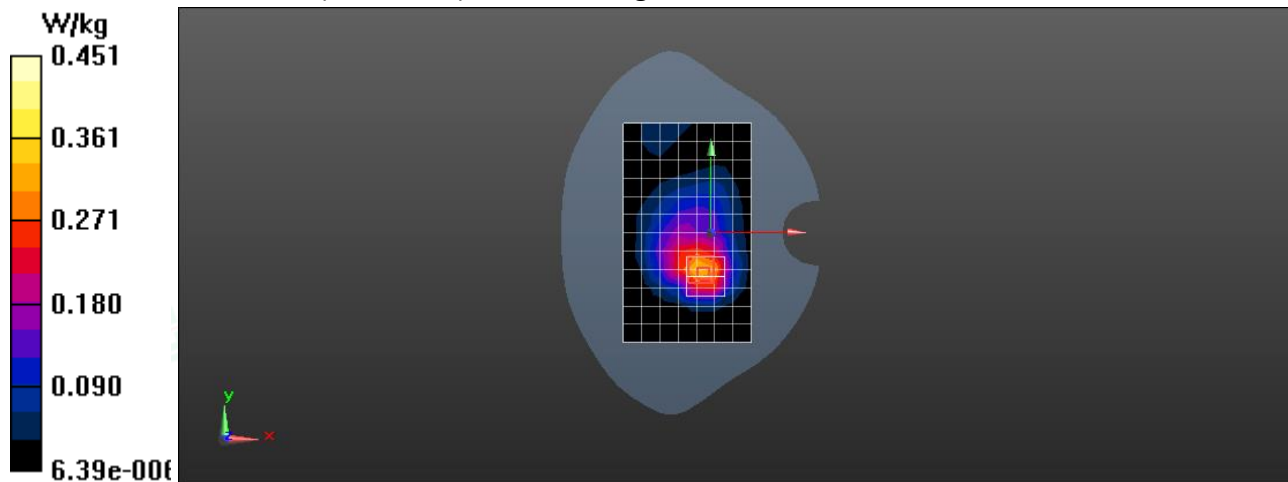
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5745 MHz;Duty Cycle: 1:1.057

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.326 \text{ S/m}$; $\epsilon_r = 35.846$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.86, 4.86, 4.86); Calibrated: 2025/2/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn373; Calibrated: 2025/2/17
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/ Body /Area Scan (11x18x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 0.485 W/kg **Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$ Reference Value = 4.441 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 0.885 W/kg **SAR(1 g) = 0.311 W/kg ; SAR(10 g) = 0.128 W/kg** Maximum value of SAR (measured) = 0.451 W/kg 

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