



# Appendix B

## Detailed Test Results

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



Test Laboratory: LCS-SAR Lab

## WIFI 2.4G 802.11b 1CH Rear side 0mm

**DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.785 \text{ S/m}$ ;  $\epsilon_r = 39.252$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(7.50, 7.50, 7.50); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (10x11x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) =  $0.814 \text{ W/kg}$

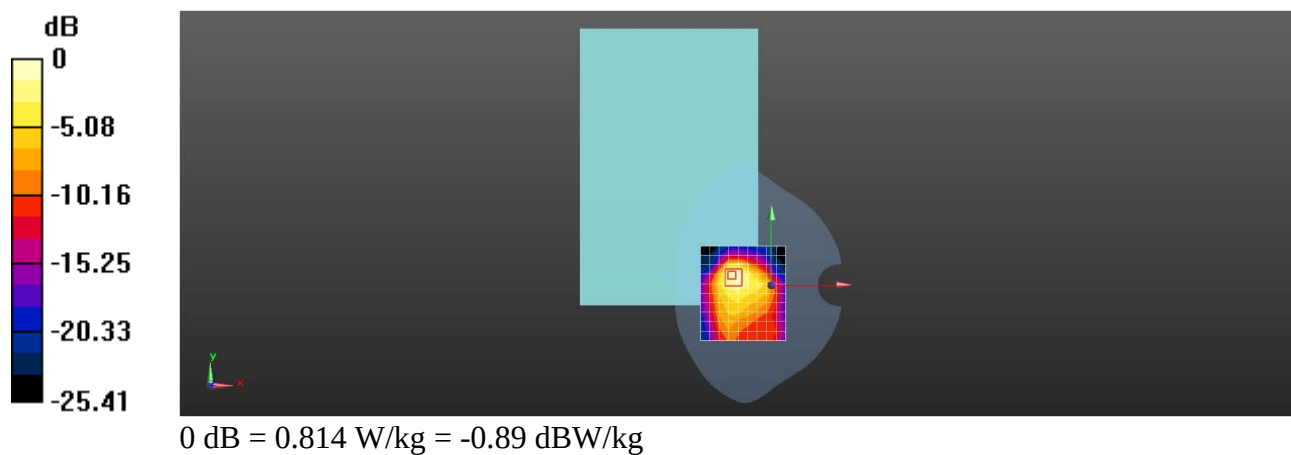
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $11.98 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$

Peak SAR (extrapolated) =  $1.34 \text{ W/kg}$

**SAR(1 g) =  $0.532 \text{ W/kg}$ ; SAR(10 g) =  $0.240 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.868 \text{ W/kg}$



Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11a 40CH Rear side 0mm****DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

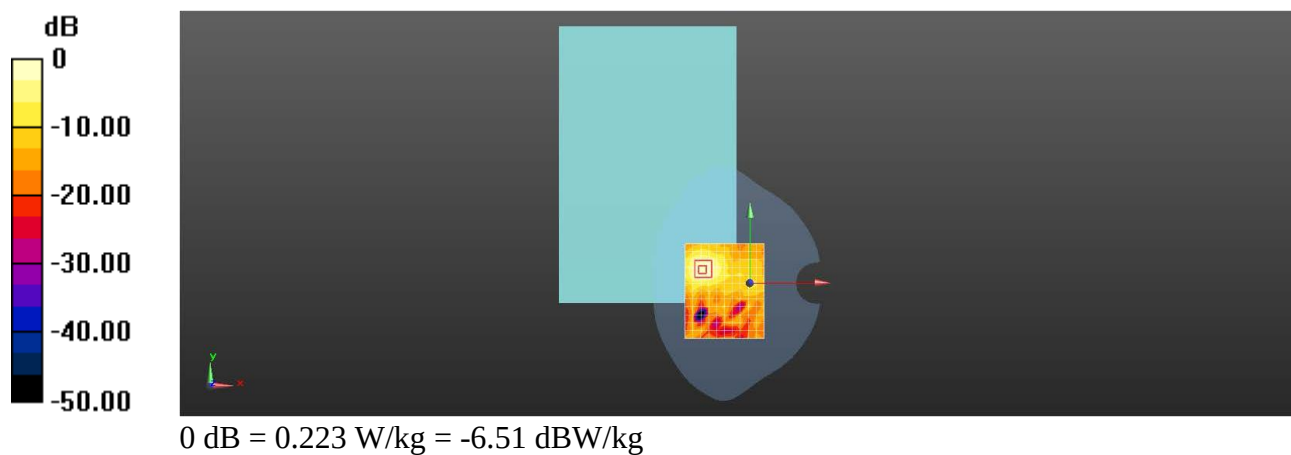
Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 4.683 \text{ S/m}$ ;  $\epsilon_r = 36.15$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(5.45, 5.45, 5.45); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (11x13x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ Maximum value of SAR (measured) =  $0.223 \text{ W/kg}$ **Configuration/Body/Zoom Scan (7x7x17)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ Reference Value =  $1.358 \text{ V/m}$ ; Power Drift =  $0.06 \text{ dB}$ Peak SAR (extrapolated) =  $0.553 \text{ W/kg}$ **SAR(1 g) =  $0.131 \text{ W/kg}$ ; SAR(10 g) =  $0.048 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.252 \text{ W/kg}$ 

Test Laboratory: LCS-SAR Lab

**WIFI 5.8G 802.11a 149CH Rear side 0mm****DUT: BHOW Laptop; Type: BaseBook; Serial: NA**

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745 \text{ MHz}$ ;  $\sigma = 5.353 \text{ S/m}$ ;  $\epsilon_r = 34.627$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3805; ConvF(4.96, 4.96, 4.96); Calibrated: 2023/6/21;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn419; Calibrated: 2023/6/20
- Phantom: SAM v5.0; Type: SAM; Serial: 1850
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

**Configuration/Body/Area Scan (11x13x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$ Maximum value of SAR (measured) =  $0.178 \text{ W/kg}$ **Configuration/Body/Zoom Scan (7x7x17)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=1.4\text{mm}$ Reference Value =  $1.353 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$ Peak SAR (extrapolated) =  $0.352 \text{ W/kg}$ **SAR(1 g) =  $0.099 \text{ W/kg}$ ; SAR(10 g) =  $0.040 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.182 \text{ W/kg}$ 