



## Appendix B DASY Measurement Results

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Test Laboratory: HUAWEI SAR/HAC Lab

## **MACH-W29 WiFi 2.4G 802.11b 6CH Bottom Side 0mm with Battery2-ANT2**

**DUT: MACH-W29; Type: HUAWEI MateBook; Serial: SAR4**

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 2437 MHz;Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 2.018 \text{ S/m}$ ;  $\epsilon_r = 51.06$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3743; ConvF(7.34, 7.34, 7.34); Calibrated: 2017/11/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -29.0, 31.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017/11/16
- ε Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1110
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (14x28x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$   
Maximum value of SAR (measured) =  $0.933 \text{ W/kg}$

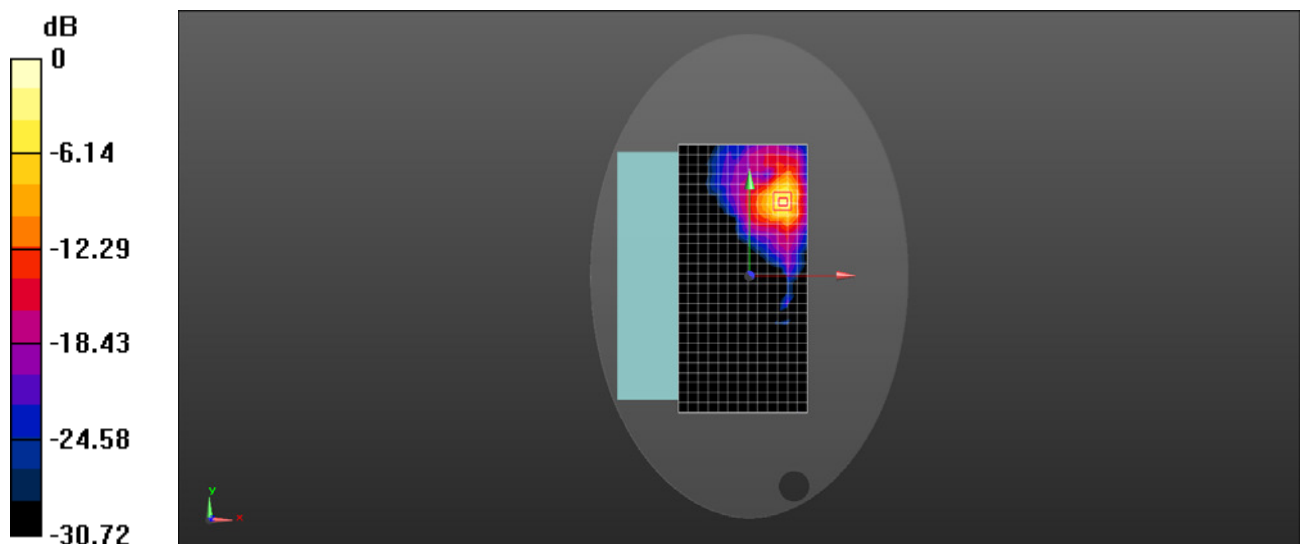
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  
 $dz=5\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$

Peak SAR (extrapolated) =  $1.98 \text{ W/kg}$

**SAR(1 g) =  $0.742 \text{ W/kg}$ ; SAR(10 g) =  $0.273 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.32 \text{ W/kg}$



$0 \text{ dB} = 1.32 \text{ W/kg} = 1.21 \text{ dBW/kg}$

Test Laboratory: HUAWEI SAR/HAC Lab

## **MACH-W29 WiFi 5G 802.11ac 138CH Bottom Side 0mm-ANT2**

**DUT: MACH-W29; Type: HUAWEI MateBook; Serial: SAR4**

Communication System: UID 0, WiFi(802.11a/b/g/n) (0); Frequency: 5690 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5690$  MHz;  $\sigma = 6.048$  S/m;  $\epsilon_r = 48.557$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3743; ConvF(4.32, 4.32, 4.32); Calibrated: 2017/11/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017/11/16
- ε Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1110
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (15x35x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.04 W/kg

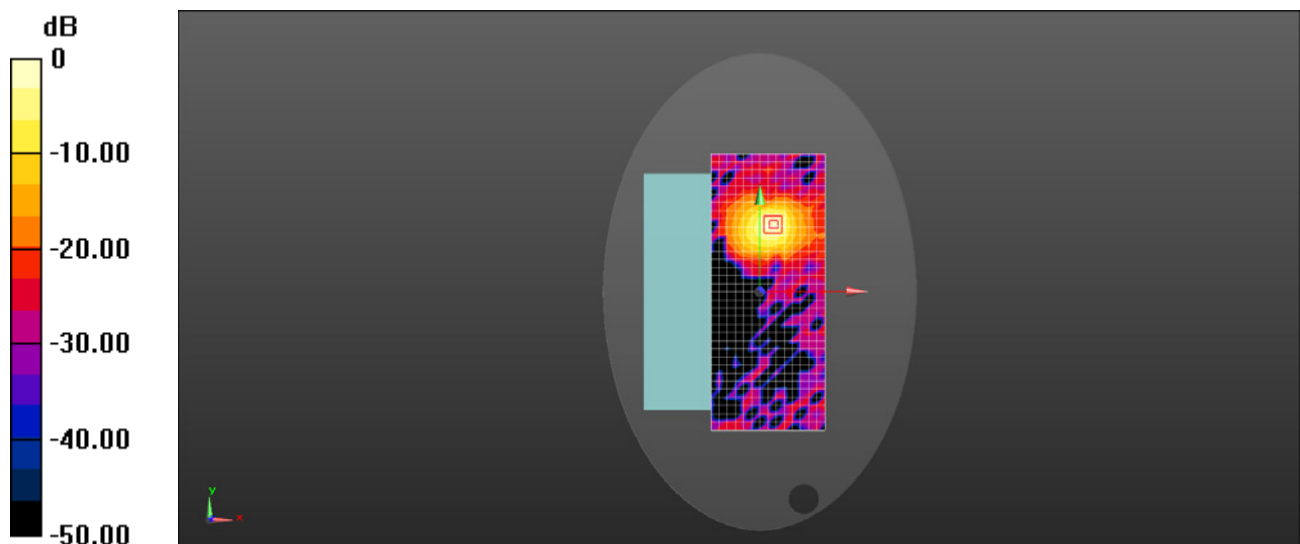
**Configuration/Body/Zoom Scan (8x8x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

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

Peak SAR (extrapolated) = 2.07 W/kg

**SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.50 dBW/kg

Test Laboratory: HUAWEI SAR/HAC Lab

## MACH-W29 BT DH5 78CH Bottom Side 0mm

**DUT: MACH-W29; Type: HUAWEI MateBook; Serial: SAR4**

Communication System: UID 0, BT (0); Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2480$  MHz;  $\sigma = 2.044$  S/m;  $\epsilon_r = 51.023$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY Configuration:

- ε Probe: EX3DV4 - SN3743; ConvF(7.34, 7.34, 7.34); Calibrated: 2017/11/23;
- ε Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -29.0, 31.0$
- ε Electronics: DAE4 Sn1235; Calibrated: 2017/11/16
- ε Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1110
- ε DASY52 52.8.8(1222); SEMCAD X 14.6.10(7373)

**Configuration/Body/Area Scan (14x28x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.105 W/kg

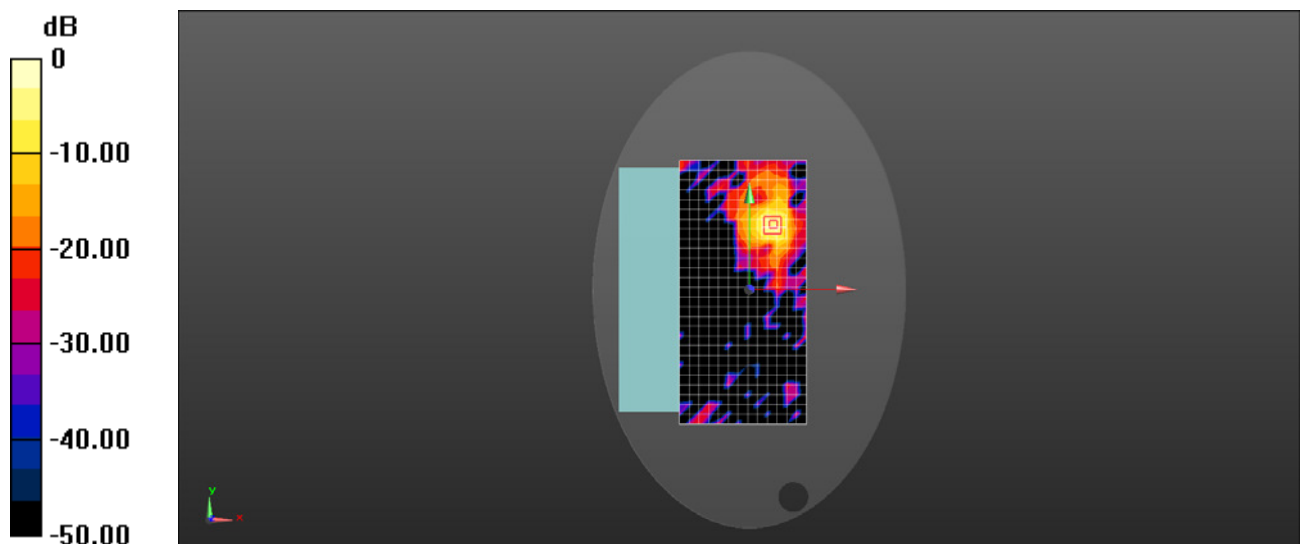
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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

Peak SAR (extrapolated) = 0.257 W/kg

**SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.175 W/kg



0 dB = 0.175 W/kg = -7.57 dBW/kg