



# Appendix B

## Detailed Test Results

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 802.11n 11CH Rear side 0mm Ant0****DUT: Hyundai Notebook; Type: HT15CA10S01; Serial: NA**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz; Duty Cycle: 1:1.043

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.874$  S/m;  $\epsilon_r = 38.706$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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=12mm, dy=12mm

Maximum value of SAR (measured) = 0.449 W/kg

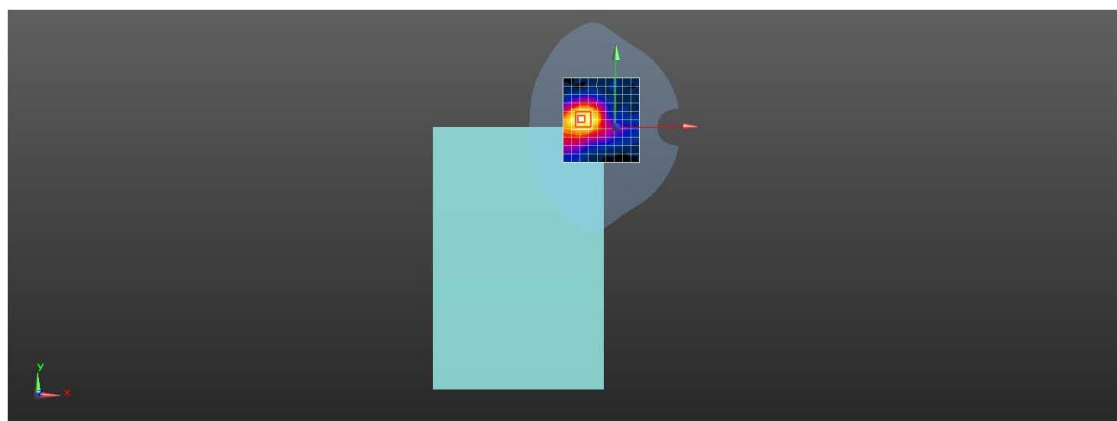
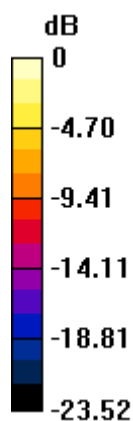
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.816 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.756 W/kg

**SAR(1 g) = 0.277 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.449 W/kg = -3.48 dBW/kg





Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11n 40M 46CH Rear side 0mm Ant0****DUT: Hyundai Notebook; Type: HT15CA10S01; Serial: NA**

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5230 MHz;Duty Cycle: 1:1.179

Medium parameters used:  $f = 5230$  MHz;  $\sigma = 4.697$  S/m;  $\epsilon_r = 35.961$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.145 W/kg

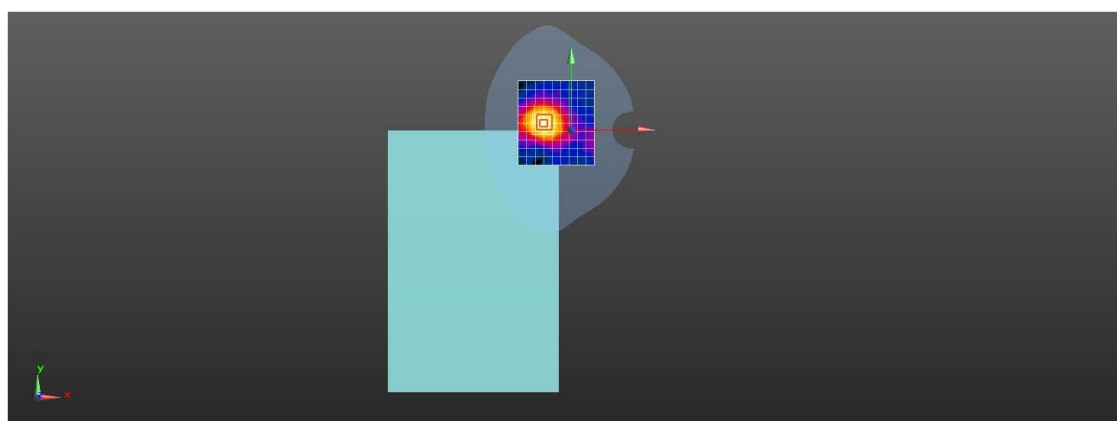
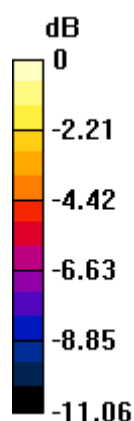
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.818 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.145 W/kg = -8.37 dBW/kg



Test Laboratory: LCS-SAR Lab

**WIFI 5.2G 802.11ac 80M 42CH Rear side 0mm Ant1****DUT: Hyundai Notebook; Type: HT15CA10S01; Serial: NA**

Communication System: UID 0, WI-FI(5.2GHz) (0); Frequency: 5210 MHz;Duty Cycle: 1:1.052

Medium parameters used:  $f = 5210 \text{ MHz}$ ;  $\sigma = 4.686 \text{ S/m}$ ;  $\epsilon_r = 36.076$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.144 W/kg

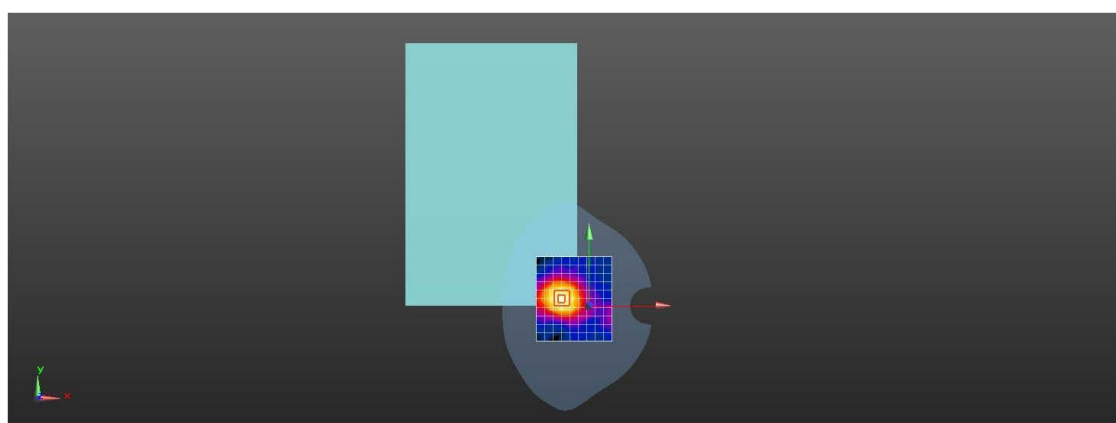
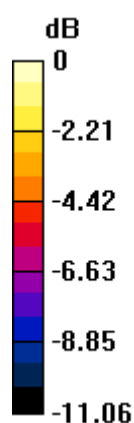
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.805 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.171 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.087 W/kg**

Maximum value of SAR (measured) = 0.147 W/kg



0 dB = 0.144 W/kg = -8.41 dBW/kg

Test Laboratory: LCS-SAR Lab

**WIFI 5.8G 802.11n 80M 165CH Rear side 0mm Ant0****DUT: Hyundai Notebook; Type: HT15CA10S01; Serial: NA**

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5825 MHz;Duty Cycle: 1:1.044

Medium parameters used:  $f = 5825$  MHz;  $\sigma = 5.369$  S/m;  $\epsilon_r = 34.46$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.146 W/kg

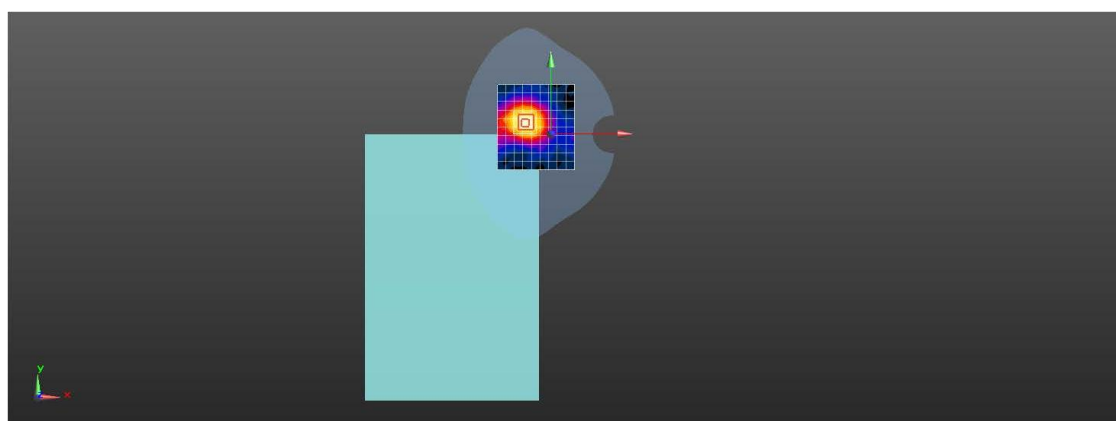
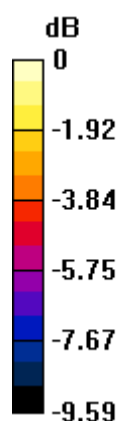
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.421 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.146 W/kg = -8.36 dBW/kg



Test Laboratory: LCS-SAR Lab

# WiFi 5.8G 802.11ac 80M 155CH Rear side 0mm Ant1

DUT: Hyundai Notebook; Type: HT15CA10S01; Serial: NA

Communication System: UID 0, WI-FI(5.8GHz) (0); Frequency: 5775 MHz;Duty Cycle: 1:1.053

Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.26$  S/m;  $\epsilon_r = 34.707$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (10x11x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.141 W/kg

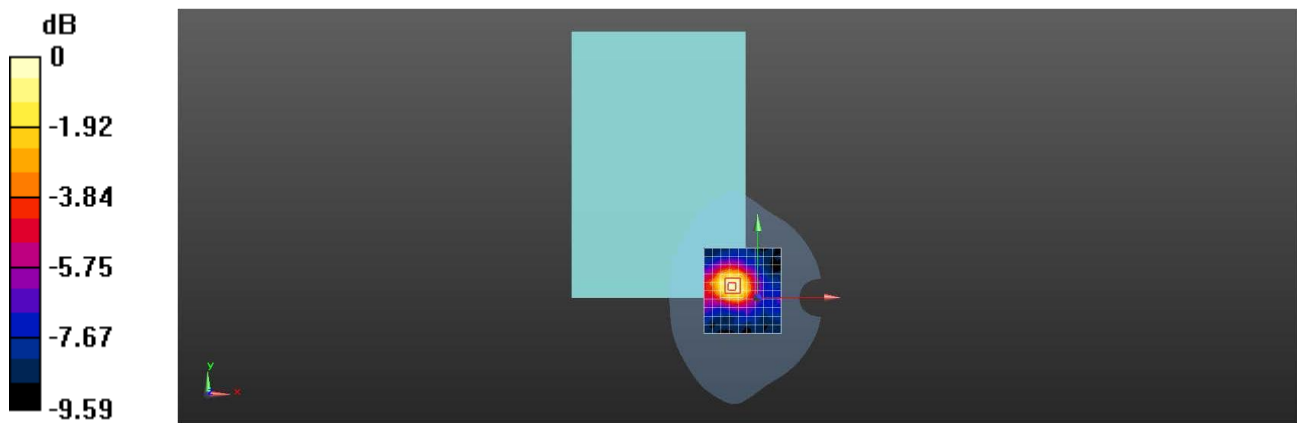
**Configuration/Body/Zoom Scan (9x9x21)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.492 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.172 W/kg

**SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.087 W/kg**

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.141 W/kg = -8.52 dBW/kg