



REPORT No.: XM19120046W01

Annex D Plots of Maximum SAR Test Results

5G WLAN_Face Side_CH40_ANT A close_180 degrees

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

Medium: HBBL 600-6G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.591$ S/m; $\epsilon_r = 35.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.99, 4.99, 4.99) @ 5200 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 6/27/2019
- Phantom: SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1922
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CH40/Area Scan (91x131x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.744 W/kg

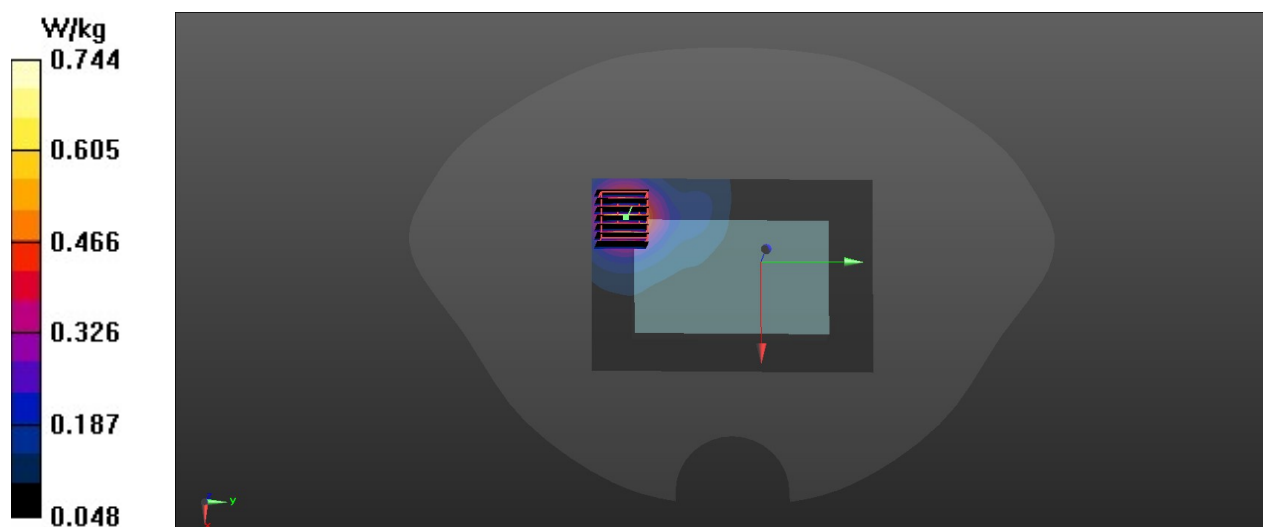
CH40/Zoom Scan (7x7x13)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 4.385 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.192 W/kg

Maximum value of SAR (measured) = 0.673 W/kg



5G WLAN_Face Side_CH165_ANT A close_180 degrees

Communication System: UID 0, 5G WIFI (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: HBBL 5650-5850 Medium parameters used: $f = 5825$ MHz; $\sigma = 5.137$ S/m; $\epsilon_r = 36.111$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.29, 4.29, 4.29) @ 5825 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 6/27/2019
- Phantom: SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1922
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CH165/Area Scan (91x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.19 W/kg

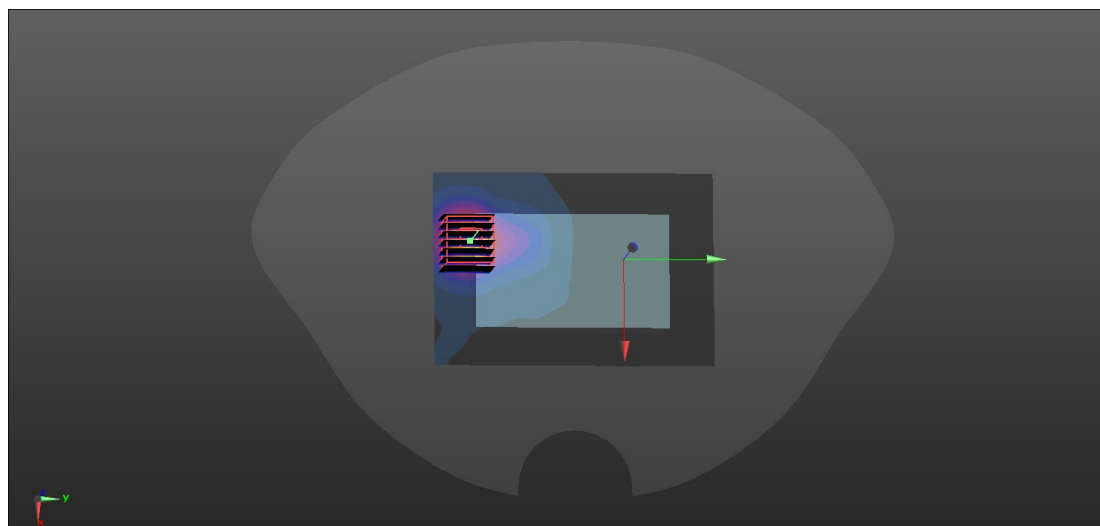
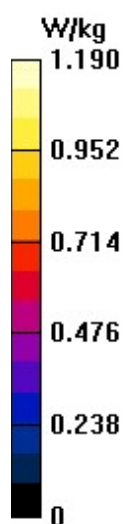
CH165/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.473 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



5G WLAN_Face Side_CH40_ANT B open_45 degrees

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

Medium: HBBL 600-6G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.591$ S/m; $\epsilon_r = 35.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.99, 4.99, 4.99) @ 5200 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 6/27/2019
- Phantom: SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1922
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CH40/Area Scan (101x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.29 W/kg

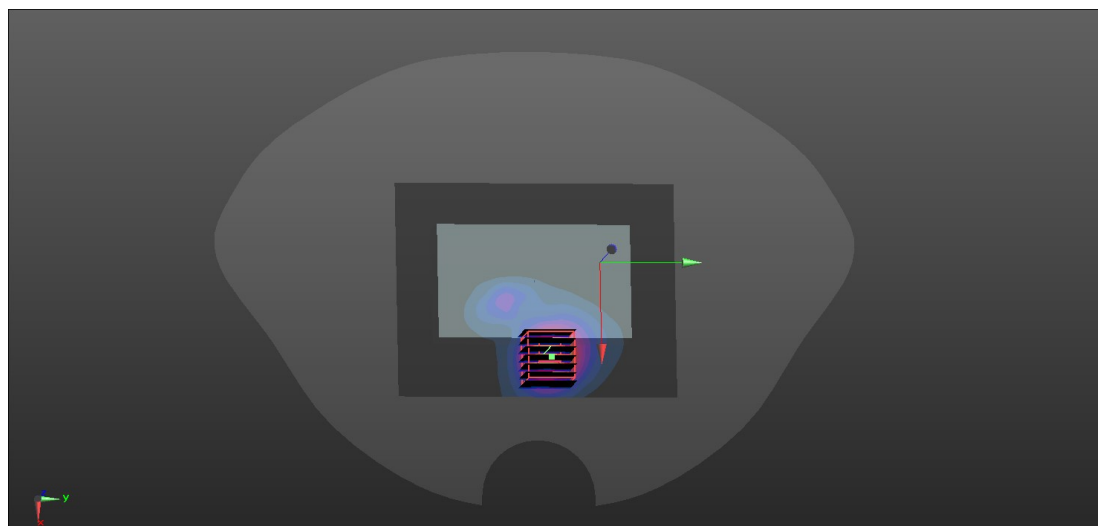
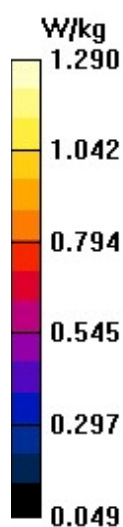
CH40/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.018 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.10 W/kg

SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.271 W/kg

Maximum value of SAR (measured) = 1.14 W/kg



5G WLAN_Face Side_CH157_ANT B open_45 degrees

Communication System: UID 0, 5G WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HBBL 5650-5850 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.044$ S/m; $\epsilon_r = 35.522$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.29, 4.29, 4.29) @ 5785 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 6/27/2019
- Phantom: SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1922
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CH157/Area Scan (101x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.83 W/kg

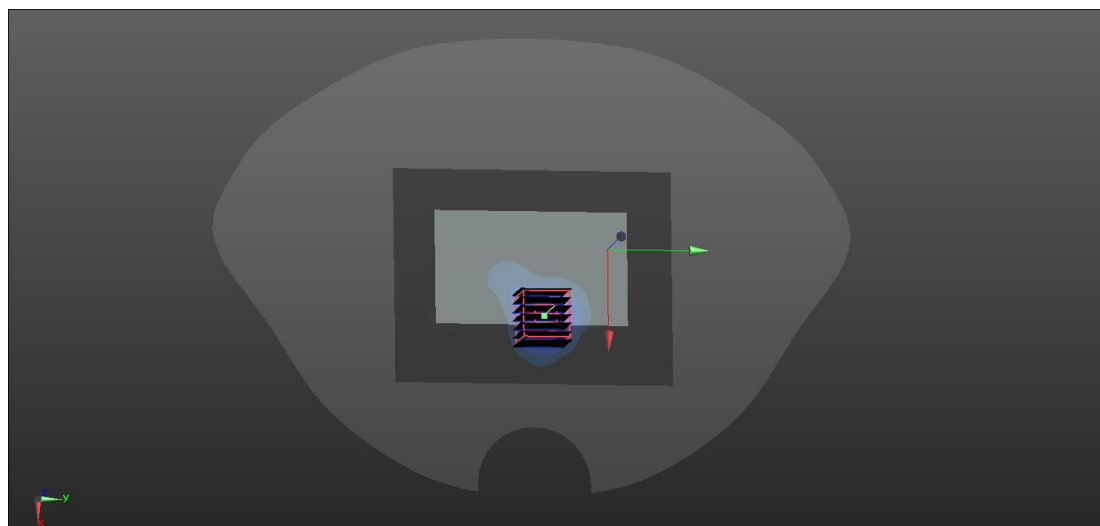
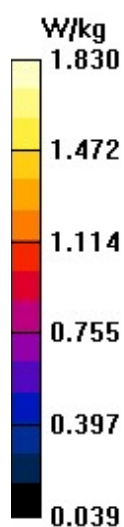
CH157/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.292 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.15 W/kg

SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.352 W/kg

Maximum value of SAR (measured) = 1.92 W/kg





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Test at worst condition

5G WLAN_Face Side_CH40_ANT1 open_45 degrees

Communication System: UID 0, 5G WIFI (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Medium: HBBL 600-6G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.591$ S/m; $\epsilon_r = 35.007$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.99, 4.99, 4.99) @ 5200 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 6/27/2019
- Phantom: SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1922
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CH40/Area Scan (101x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.676 W/kg

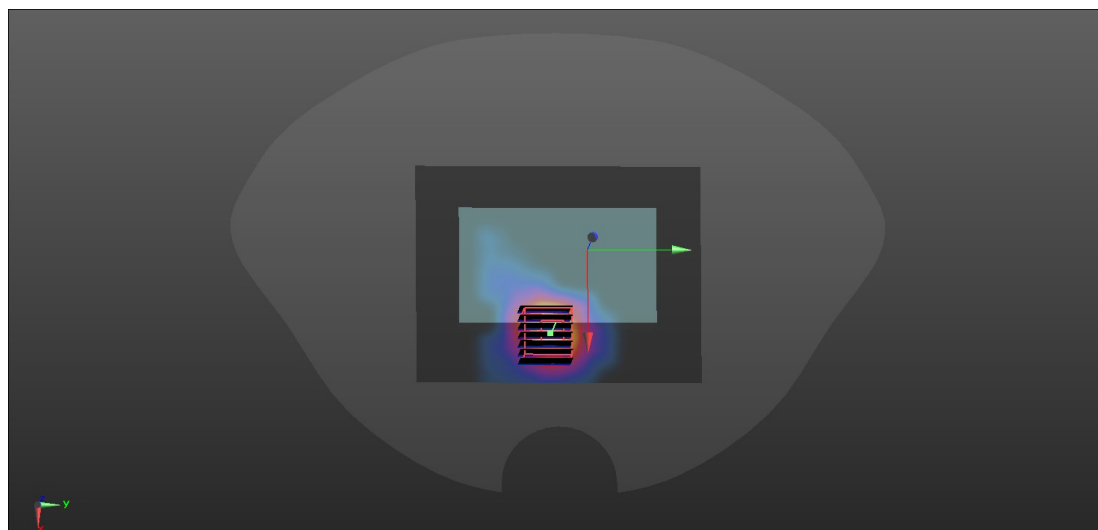
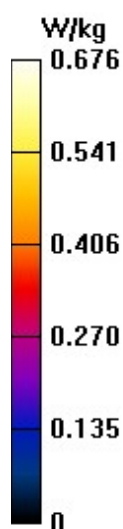
CH40/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.9870 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.141 W/kg

Maximum value of SAR (measured) = 0.644 W/kg



5G WLAN_Face Side_CH157_ANT1 open_45 degrees

Communication System: UID 0, 5G WIFI (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: HBBL 5650-5850 Medium parameters used: $f = 5785$ MHz; $\sigma = 5.044$ S/m; $\epsilon_r = 35.522$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.29, 4.29, 4.29) @ 5785 MHz; Calibrated: 3/25/2019
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn871; Calibrated: 6/27/2019
- Phantom: SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1922
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

CH157/Area Scan (101x131x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.66 W/kg

CH157/Zoom Scan (7x7x13)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.101 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 1.55 W/kg

