



REPORT No.: XM19100033W01

Annex C Plots of System Performance Check

D5GHzV2-1176-5250

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium: HBBL 600-6G Medium parameters used: $f = 5250$ MHz; $\sigma = 4.71$ S/m; $\epsilon_r = 34.601$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.99, 4.99, 4.99) @ 5250 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)

System Verification/D5GHz_10mm/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 16.9 W/kg

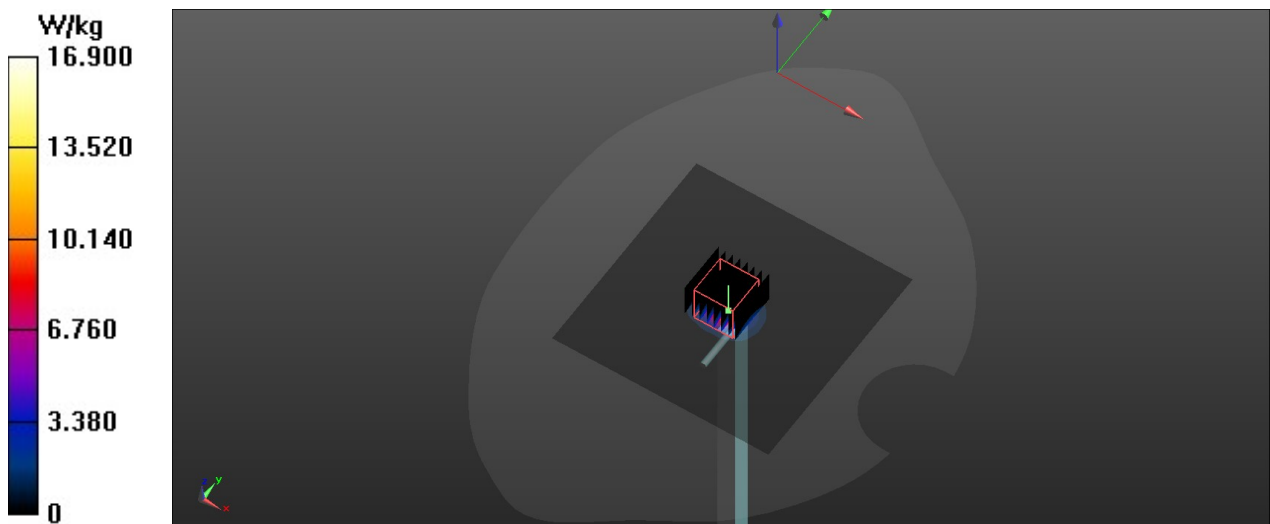
System Verification/D5GHz_10mm/Zoom Scan (8x8x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 62.08 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 39.9 W/kg

SAR(1 g) = 8.05 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 17.9 W/kg



D5GHzV2-1176-5750

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1
Medium: HBBL 600-6G Medium parameters used (extrapolated): $f = 5750$ MHz; $\sigma = 5.443$ S/m; $\epsilon_r = 33.737$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.29, 4.29, 4.29) @ 5750 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)

System Verification/D5GHz_10mm/Area Scan (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 16.5 W/kg

System Verification/D5GHz_10mm/Zoom Scan (8x8x11)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 56.94 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 36.6 W/kg
SAR(1 g) = 8.03 W/kg; SAR(10 g) = 2.29 W/kg
Maximum value of SAR (measured) = 17.1 W/kg

