

Appendix A: Plots

Plot 1: Rear, 0 mm, Low Channel, Primary Unit

Date/Time: 8/6/2019 3:23:18 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200L0

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2402 MHz; Duty Cycle: 1:1.25026
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.796$ S/m; $\epsilon_r = 37.651$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 24°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear_0 mm_Low Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.668 W/kg

Body/Rear_0 mm_Low Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

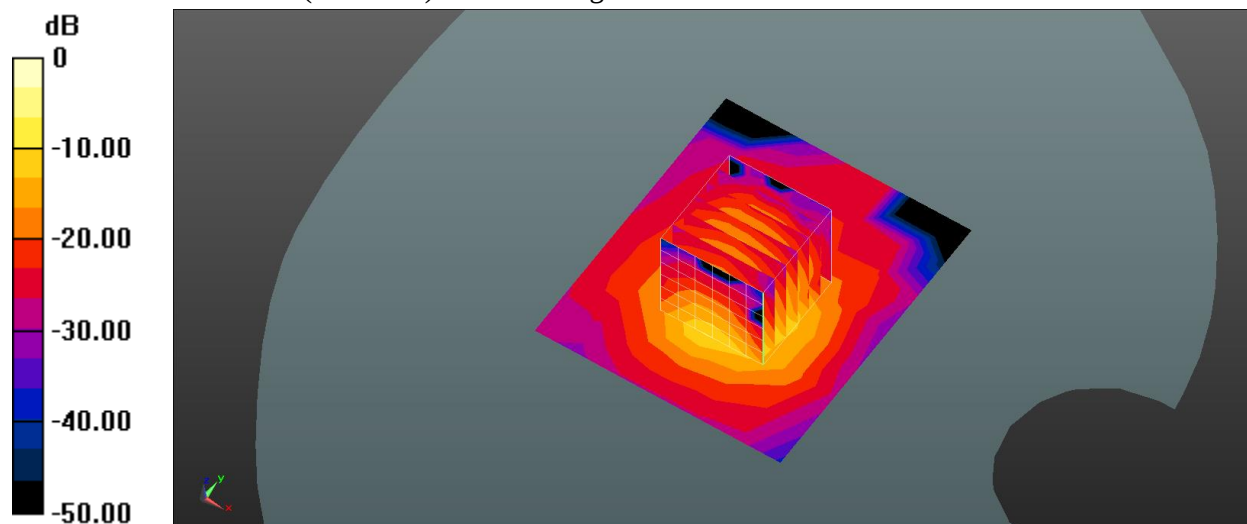
Reference Value = 19.28 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.102 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.668 W/kg = -1.75 dBW/kg

Plot 2: Rear, 0 mm, Mid Channel, Primary Unit

Date/Time: 8/6/2019 2:42:11 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200L0

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2441 MHz; Duty Cycle: 1:1.25026
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 37.592$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 25°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)),
Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear_0 mm_Mid Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.657 W/kg

Body/Rear_0 mm_Mid Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

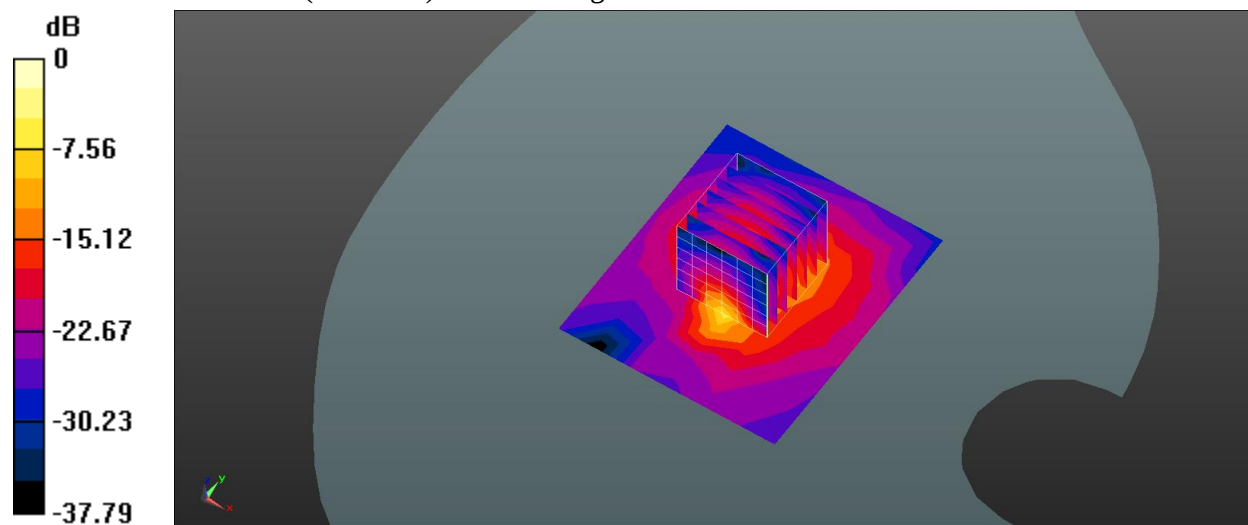
Reference Value = 20.97 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.119 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.791 W/kg



0 dB = 0.657 W/kg = -1.82 dBW/kg

Plot 3: Rear, 0 mm, High Channel, Primary Unit

Date/Time: 8/6/2019 3:45:44 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200L0

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2480 MHz; Duty Cycle: 1:1.25026

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.853$ S/m; $\epsilon_r = 37.531$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 24.5°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Rear_0 mm_High Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.901 W/kg

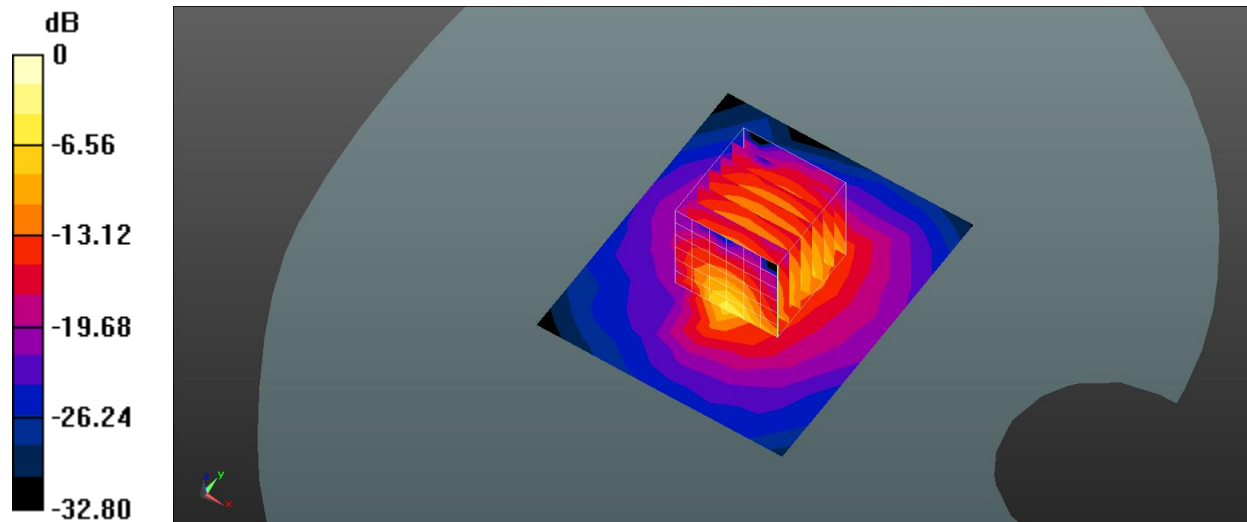
Body/Rear_0 mm_High Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.34 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.155 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 0.901 W/kg = -0.45 dBW/kg

Plot 4: Rear, 0 mm, Low Channel, Secondary Unit

Date/Time: 8/6/2019 7:22:37 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200KJ

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2402 MHz; Duty Cycle: 1:1.25026
Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.796$ S/m; $\epsilon_r = 37.651$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 24.5°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body 2/Rear_0 mm_Low Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.733 W/kg

Body 2/Rear_0 mm_Low Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

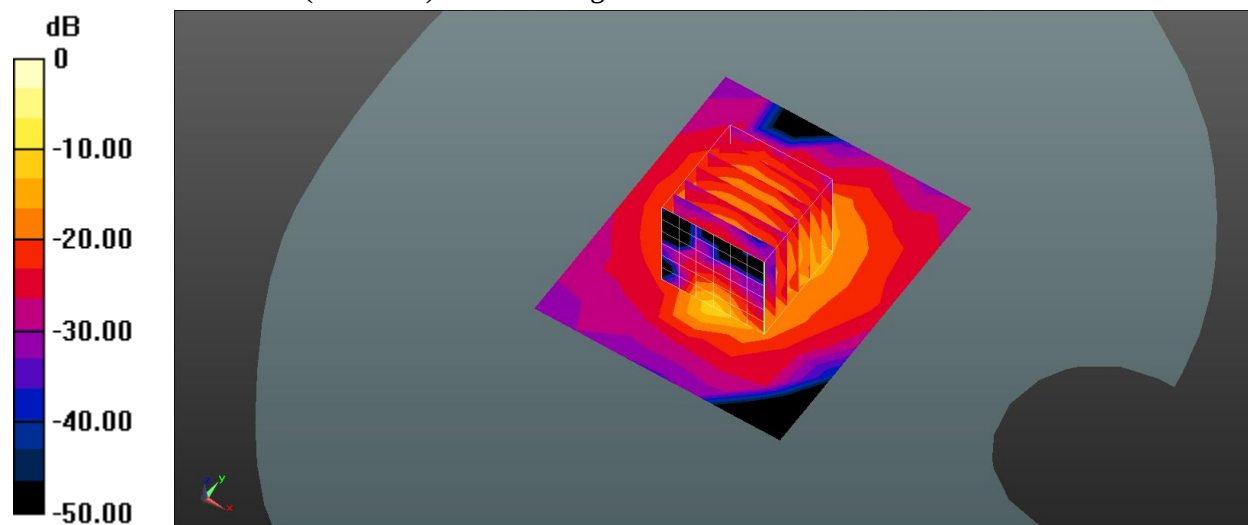
Reference Value = 20.58 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.110 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.722 W/kg



0 dB = 0.733 W/kg = -1.35 dBW/kg

Plot 5: Rear, 0 mm, Mid Channel, Secondary Unit

Date/Time: 8/6/2019 7:05:53 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200KJ

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2441 MHz; Duty Cycle: 1:1.25026
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 37.592$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 24.5°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body 2/Rear_0 mm_Mid Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.30 W/kg

Body 2/Rear_0 mm_Mid Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

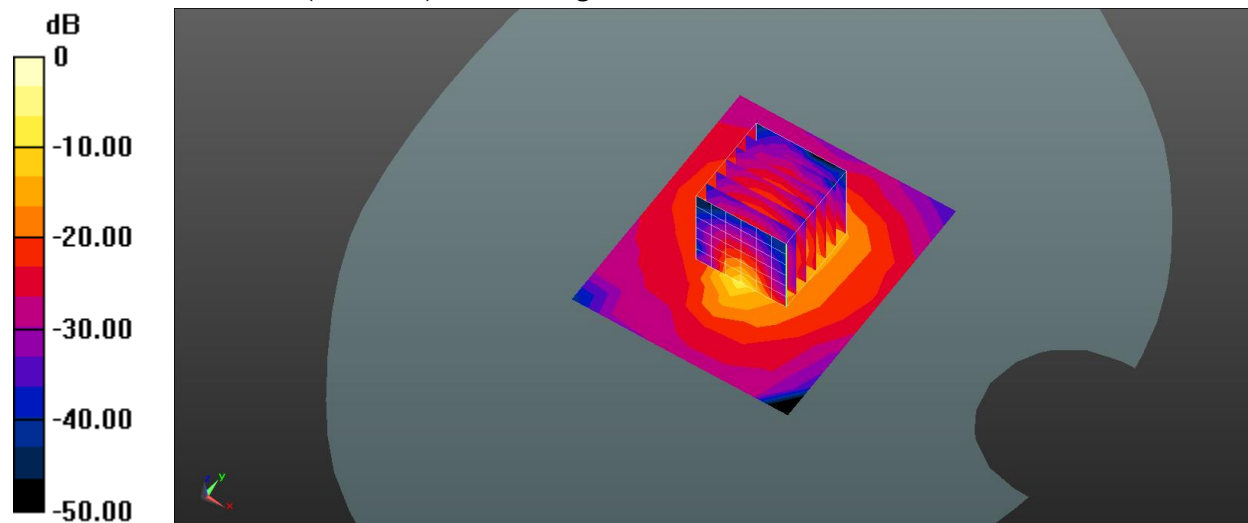
Reference Value = 25.27 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.170 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.30 W/kg = 1.14 dBW/kg

Plot 6: Rear, 0 mm, High Channel, Secondary Unit

Date/Time: 8/6/2019 6:30:26 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200KJ

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2480 MHz; Duty Cycle: 1:1.25026

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.853$ S/m; $\epsilon_r = 37.531$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 24°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body 2/Rear_0 mm_High Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.27 W/kg

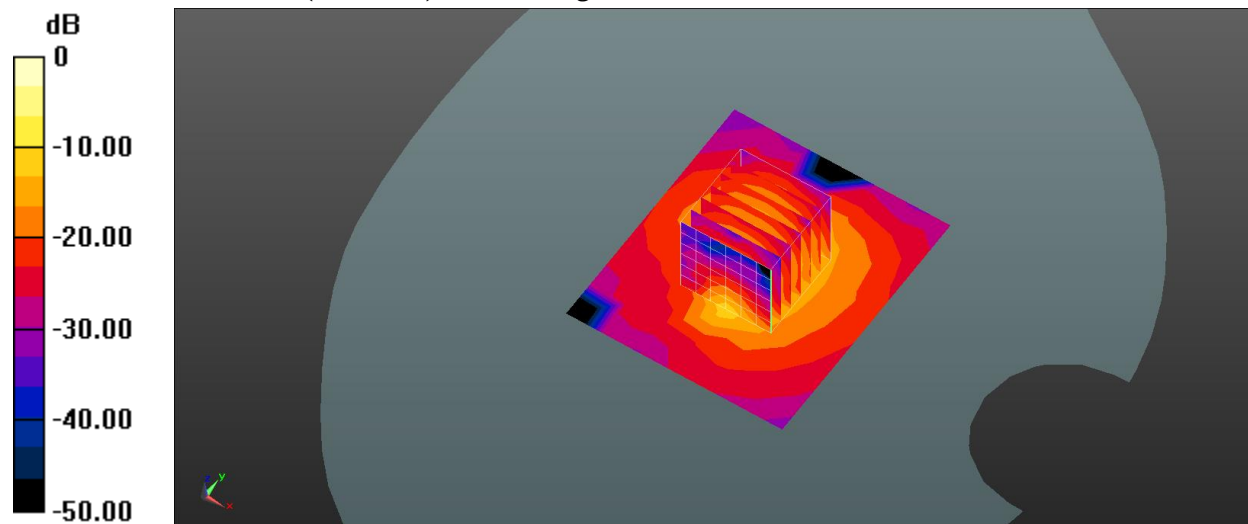
Body 2/Rear_0 mm_High Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.93 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.00 W/kg

SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.199 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 1.30 W/kg



0 dB = 1.27 W/kg = 1.04 dBW/kg

Plot 7: Front, 10 mm, Mid Channel, Primary Unit

Date/Time: 8/6/2019 3:01:24 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200L0

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2441 MHz; Duty Cycle: 1:1.25026
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 37.592$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 25°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/Front_10 mm_Mid Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.194 W/kg

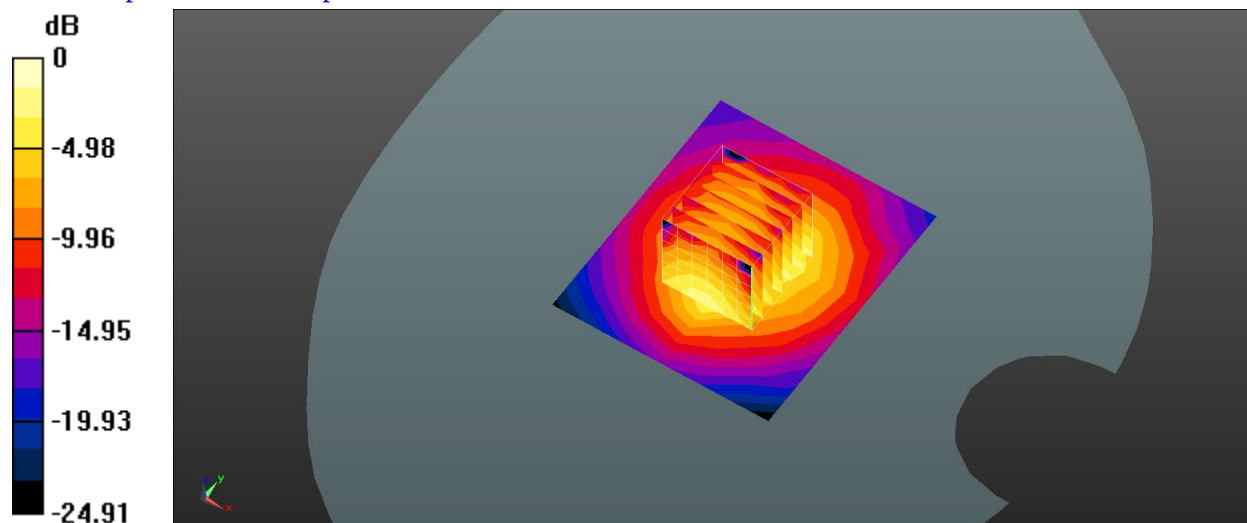
Body/Front_10 mm_Mid Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.33 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.254 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.057 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)



0 dB = 0.194 W/kg = -7.12 dBW/kg

Plot 8: Front, 10 mm, Mid Channel, Secondary Unit

Date/Time: 8/6/2019 6:49:50 PM

Test Laboratory: TUV Rheinland of North America

DUT: Amazon - Dylan; Serial: 29200KJ

Communication System: UID 0, Bluetooth Classic (0); Frequency: 2441 MHz; Duty Cycle: 1:1.25026
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.825$ S/m; $\epsilon_r = 37.592$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 24.5°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body 2/Front_10 mm_Mid Ch/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.203 W/kg

Body 2/Front_10 mm_Mid Ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

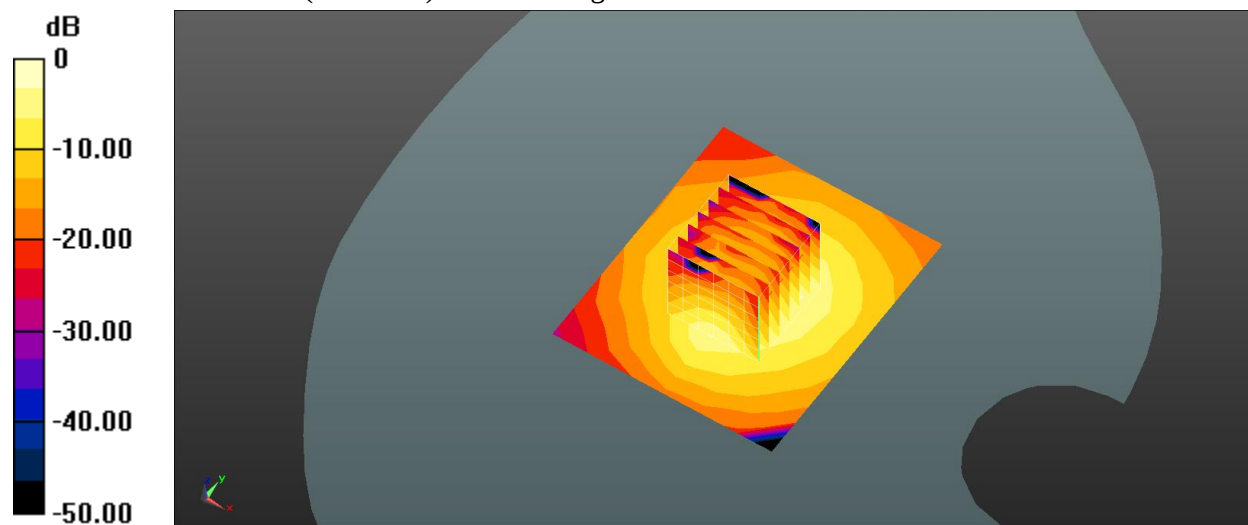
Reference Value = 10.42 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.290 W/kg

SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.063 W/kg (SAR corrected for target medium)

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.218 W/kg



0 dB = 0.203 W/kg = -6.93 dBW/kg

Plot 9: 2450 MHz System Check, August 6, 2019

Date/Time: 8/6/2019 7:35:12 AM

Test Laboratory: TUV Rheinland of North America

DUT: Dipole 2450 MHz; Serial: 304324-2402103

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.831$ S/m; $\epsilon_r = 37.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Procedure Notes: Operator: Josie; Ambient Temp: 23°C; Liquid Temp: 22.5°C; Comments: ;

DASY5 Configuration:

- Probe: EX3DV4 - SN3957; ConvF(7.8, 7.8, 7.8); Calibrated: 3/28/2019;
- Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1419; Calibrated: 2/1/2019
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1806
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Body/SystemCheck_2450MHz/Area Scan (6x6x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 18.1 W/kg

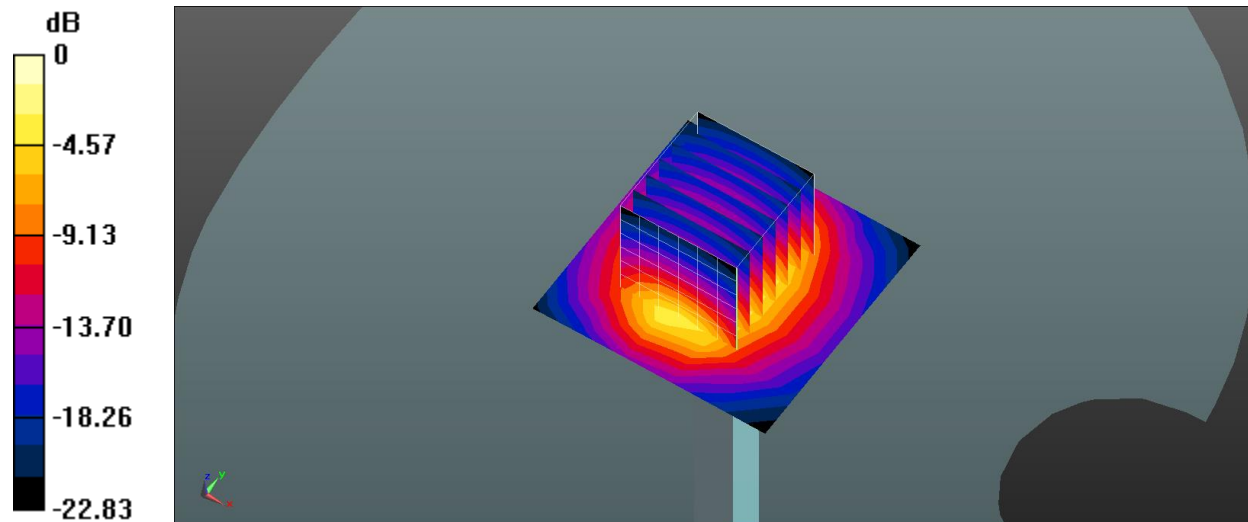
Body/SystemCheck_2450MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 110.0 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 31.0 W/kg

SAR(1 g) = 14.7 W/kg; SAR(10 g) = 6.74 W/kg (SAR corrected for target medium)

Maximum value of SAR (measured) = 22.7 W/kg



0 dB = 18.1 W/kg = 12.58 dBW/kg