

#01_BT_EDR_1Mbps_Left Tilted_Ch78

DUT: PD470SH-N

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.2

Medium: HSL2450 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.853$ S/m; $\epsilon_r = 39.533$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch78/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

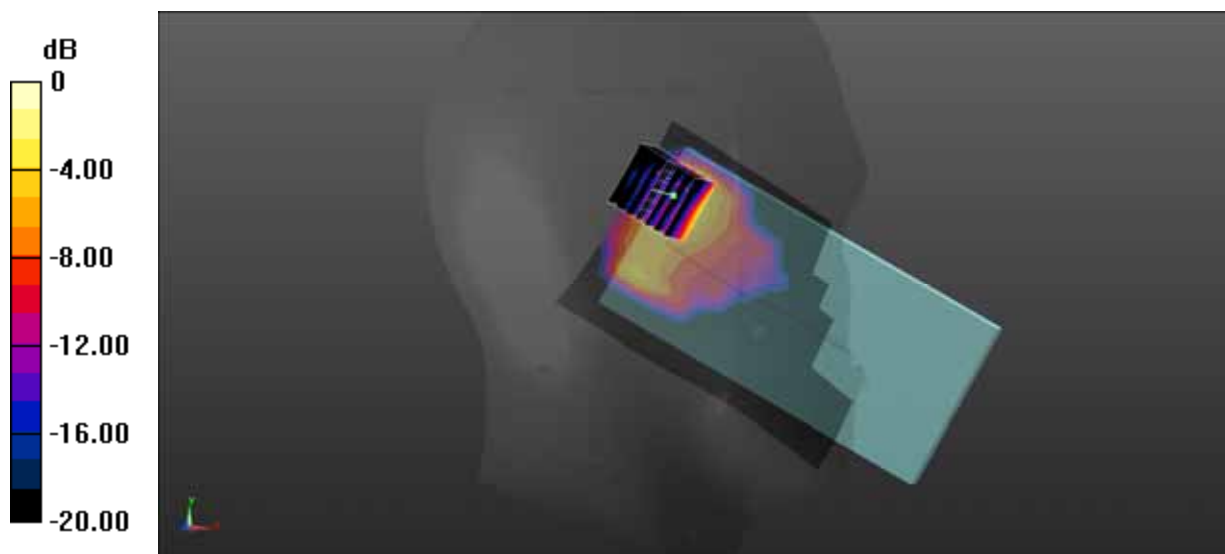
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.027 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.139 W/kg



0 dB = 0.139 W/kg = -8.57 dBW/kg

#02_BT_EDR_1Mbps_Top Side_10mm_Ch0

DUT: PD470SH-N

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.2

Medium: HSL2450 Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.766$ S/m; $\epsilon_r = 39.876$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch0/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0773 W/kg

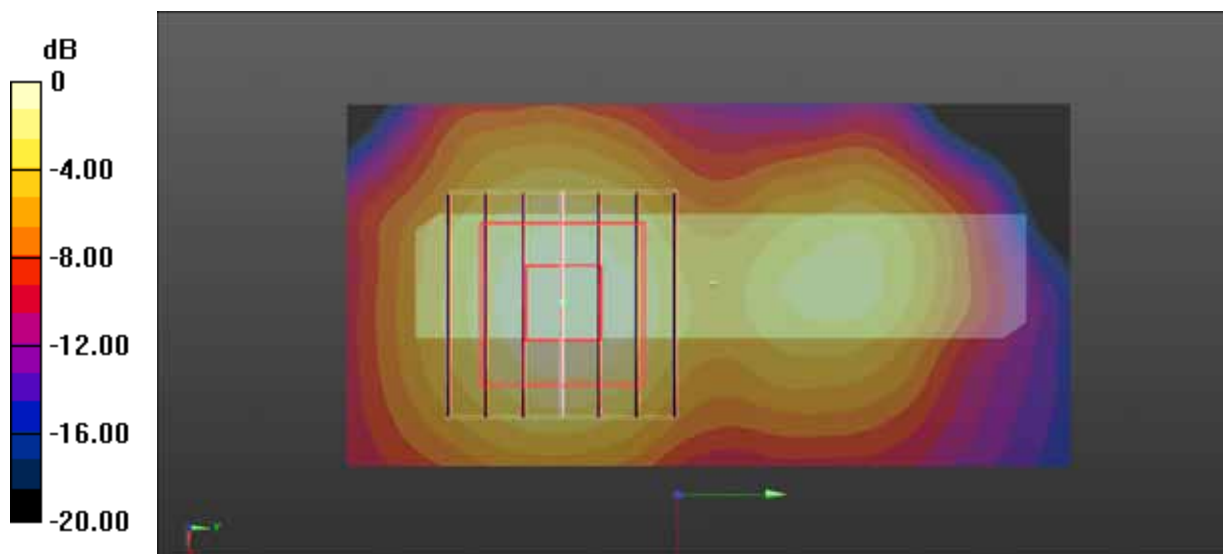
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.613 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0920 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.0760 W/kg



0 dB = 0.0760 W/kg = -11.19 dBW/kg

#03_WLAN2.4G_802.11b 1Mbps_Left Cheek_Ch1

DUT: PD470SH-N

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.778$ S/m; $\epsilon_r = 39.825$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch1/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

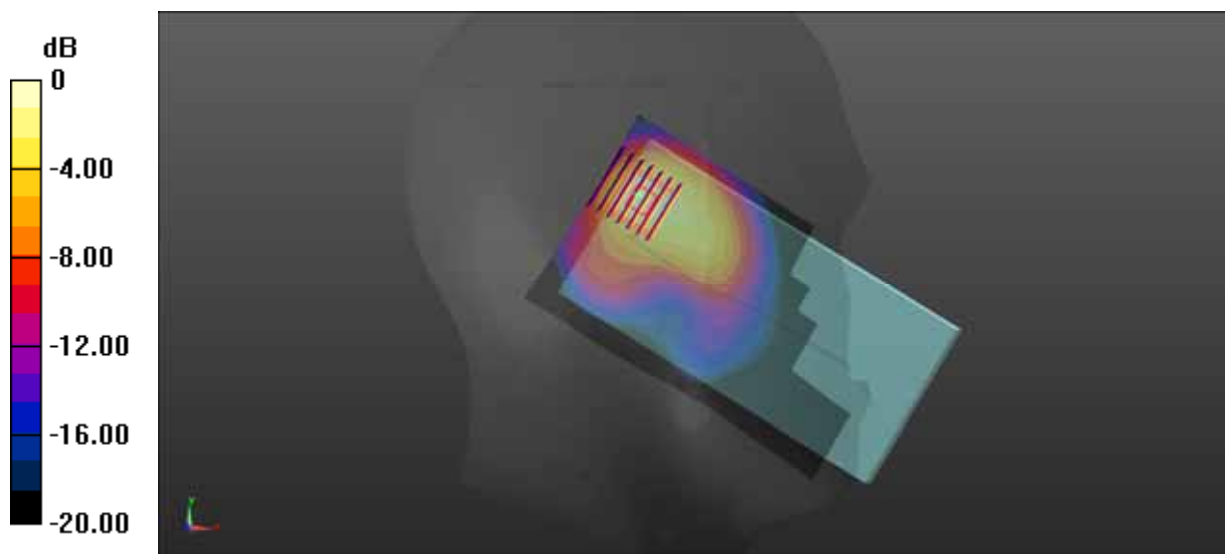
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.01 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.680 W/kg; SAR(10 g) = 0.335 W/kg

Maximum value of SAR (measured) = 1.06 W/kg



0 dB = 1.06 W/kg = 0.25 dBW/kg

#04_WLAN5G_802.11a 6Mbps_Left Tilted_Ch40

DUT: PS470SH-N

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.616$ S/m; $\epsilon_r = 37.309$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.55, 5.55, 5.55); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch40/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.41 W/kg

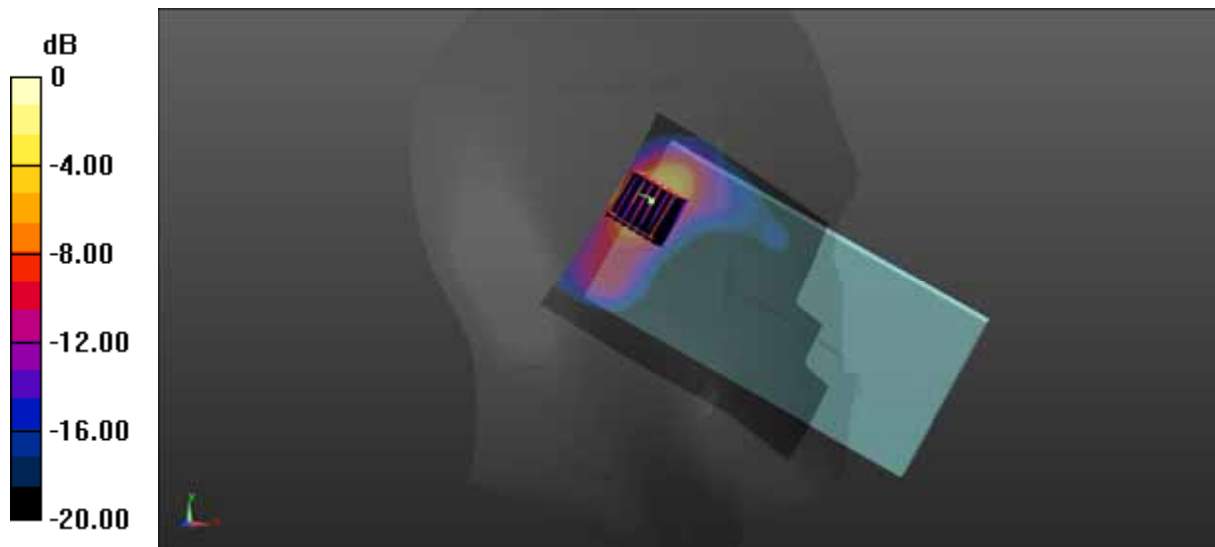
Ch40/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.941 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.314 W/kg

Maximum value of SAR (measured) = 2.78 W/kg



0 dB = 2.78 W/kg = 4.44 dBW/kg

#05_WLAN5G_802.11ac-VHT40 MCS0_Left Cheek_Ch159

DUT: PS470SH-N

Communication System: 802.11ac; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.235$ S/m; $\epsilon_r = 36.503$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 ; Liquid Temperature : 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.1, 5.1, 5.1) @ 5795 MHz; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch159/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.39 W/kg

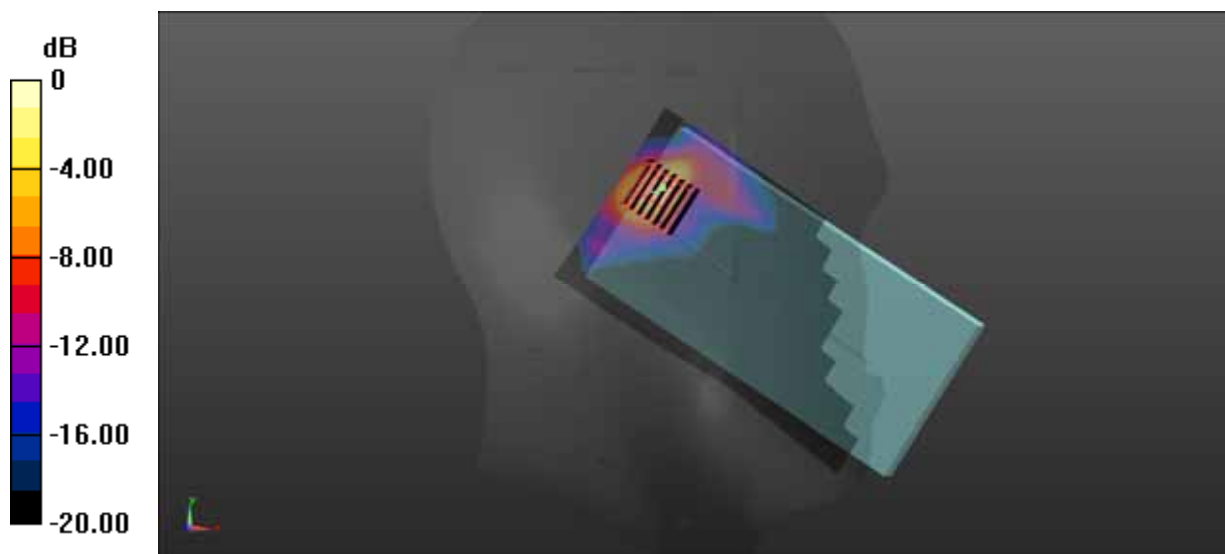
Ch159/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.905 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 5.46 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

#06_WLAN2.4G_802.11b 1Mbps_Top Side_10mm_Ch6

DUT: PD470SH-N

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 39.714$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.524 W/kg

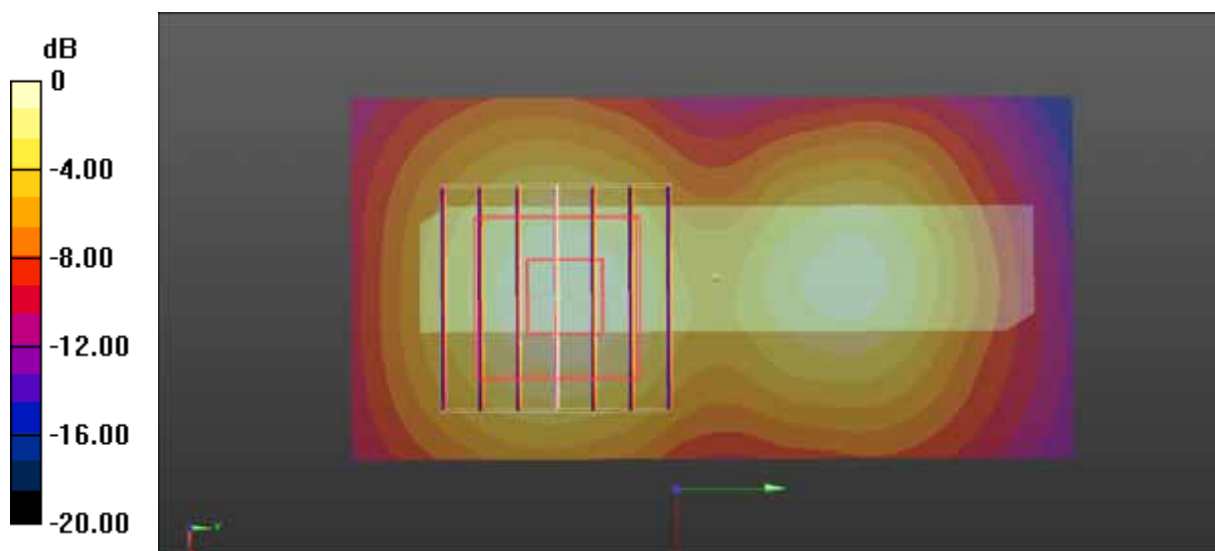
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.76 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.172 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



0 dB = 0.521 W/kg = -2.83 dBW/kg

#07_WLAN5G_802.11a 6Mbps_Top Side_10mm_Ch48

DUT: PD470SH-N

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5240$ MHz; $\sigma = 4.666$ S/m; $\epsilon_r = 37.268$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.55, 5.55, 5.55); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch48/Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.796 W/kg

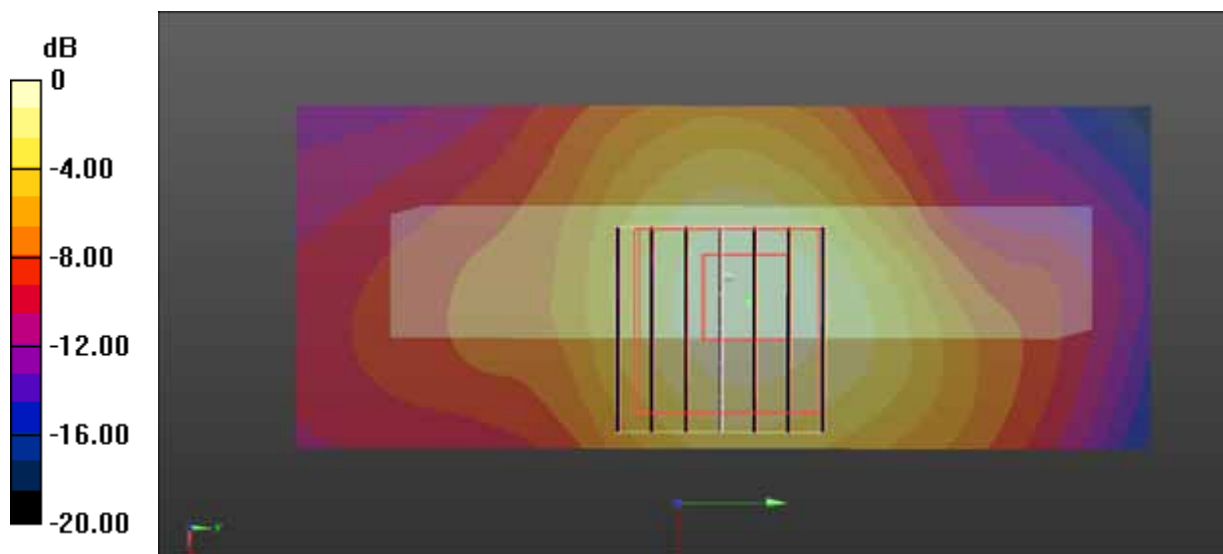
Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.860 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.781 W/kg



0 dB = 0.781 W/kg = -1.07 dBW/kg

#08_WLAN5G_802.11ac-VHT40 MCS0_Top Side_10mm_Ch159

DUT: PD470SH-N

Communication System: 802.11ac; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.235$ S/m; $\epsilon_r = 36.503$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 ; Liquid Temperature : 21.7

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.1, 5.1, 5.1); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch159/Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.09 W/kg

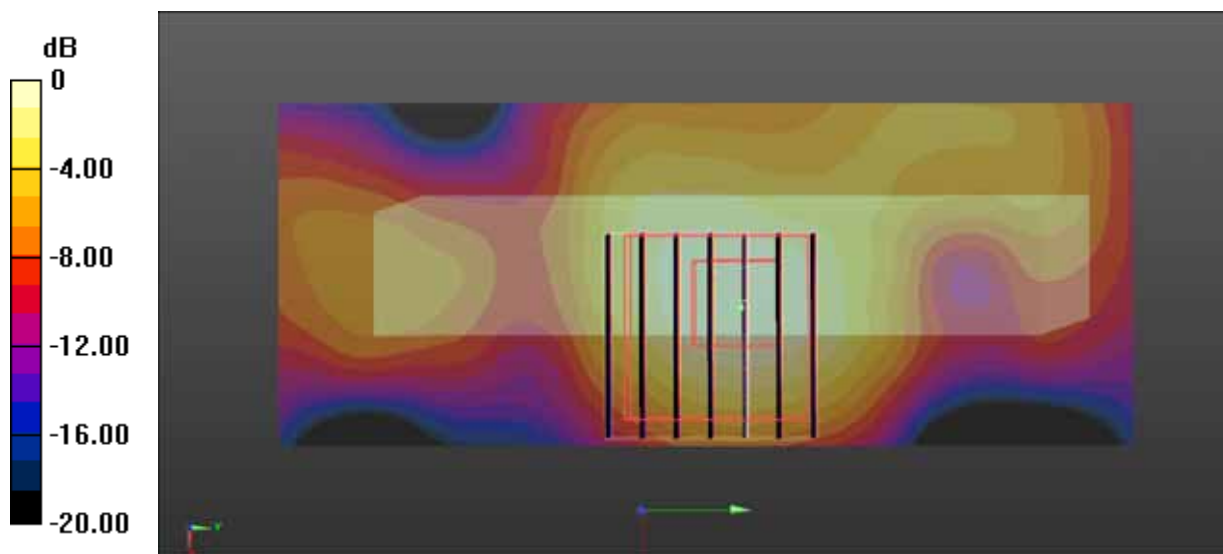
Ch159/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 12.54 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 0.455 W/kg; SAR(10 g) = 0.155 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

***01_BT_GFSK 1Mbps_Left Tilted_Ch78**

DUT: PD470SH-B

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.2

Medium: HSL2450 Medium parameters used: $f = 2480$ MHz; $\sigma = 1.847$ S/m; $\epsilon_r = 41.053$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch78/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.133 W/kg

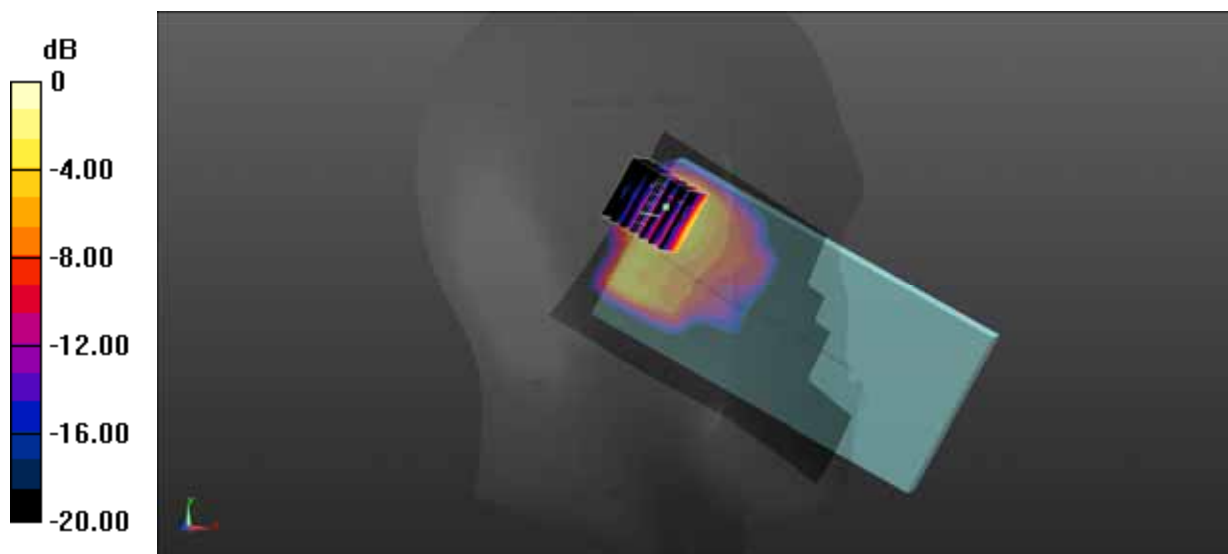
Ch78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.811 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.146 W/kg

SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dBW/kg

***02_BT_GFSK 1Mbps_Back_10mm_Ch0**

DUT: PD470SH-B

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.2

Medium: HSL2450 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.784$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch0/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0414 W/kg

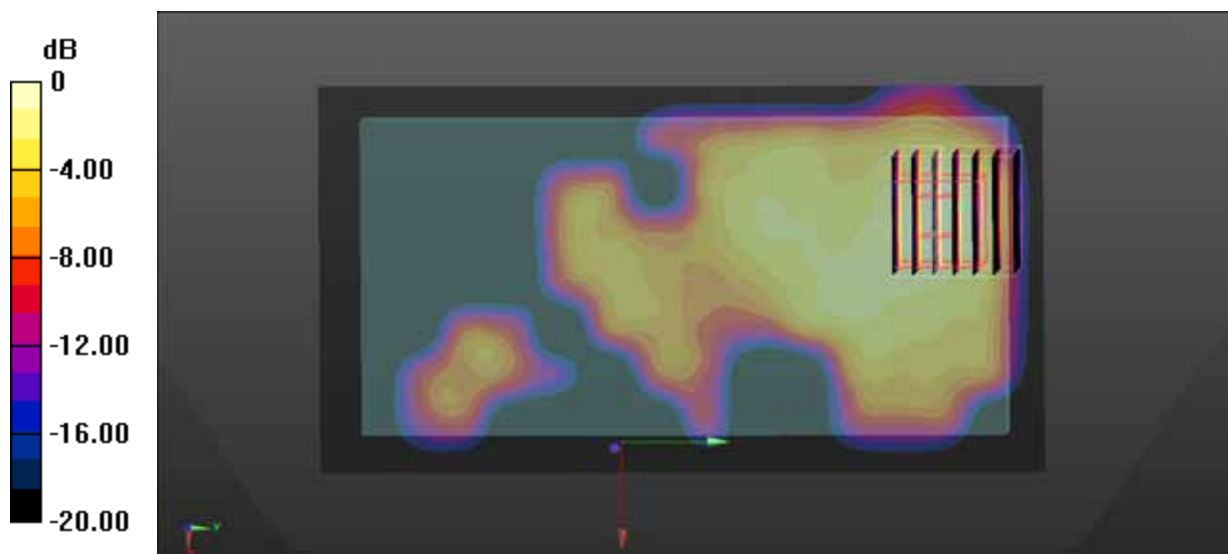
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.085 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.009 W/kg

Maximum value of SAR (measured) = 0.0438 W/kg



0 dB = 0.0438 W/kg = -13.59 dBW/kg

***03_BT_GFSK 1Mbps_Top Side_10mm_Ch0**

DUT: PD470SH-B

Communication System: Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.2

Medium: HSL2450 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.784$ S/m; $\epsilon_r = 41.179$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch0/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0587 W/kg

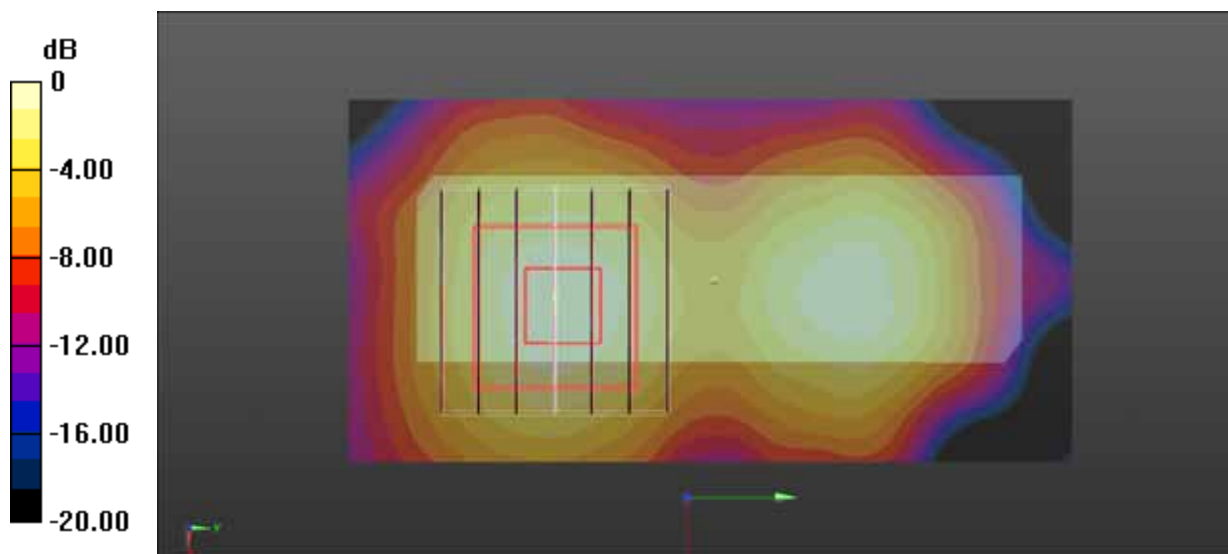
Ch0/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.491 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0740 W/kg

SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.018 W/kg

Maximum value of SAR (measured) = 0.0593 W/kg



0 dB = 0.0593 W/kg = -12.27 dBW/kg

***04_WLAN2.4G_802.11b 1Mbps_Left Cheek_Ch1**

DUT: PD470SH-B

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.793$ S/m; $\epsilon_r = 41.173$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch1/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.946 W/kg

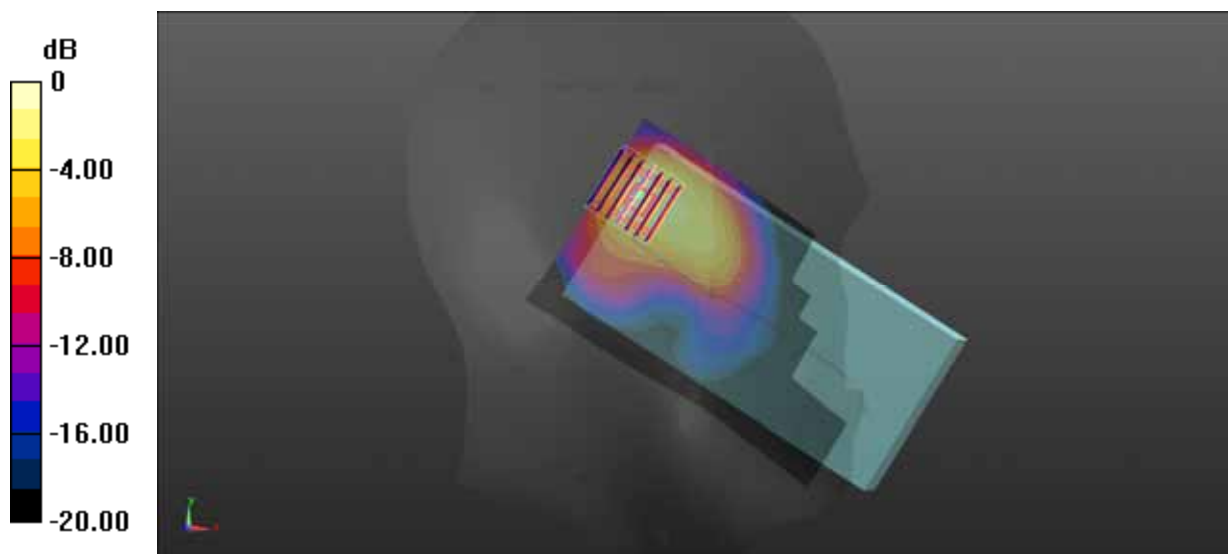
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.40 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.919 W/kg



0 dB = 0.919 W/kg = -0.37 dBW/kg

***05_WLAN5G_802.11a 6Mbps_Left Tilted_Ch40**

DUT: PS470SH-B

Communication System: 802.11a; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5200$ MHz; $\sigma = 4.732$ S/m; $\epsilon_r = 36.423$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 ; Liquid Temperature : 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.55, 5.55, 5.55) @ 5200 MHz; Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch40/Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.35 W/kg

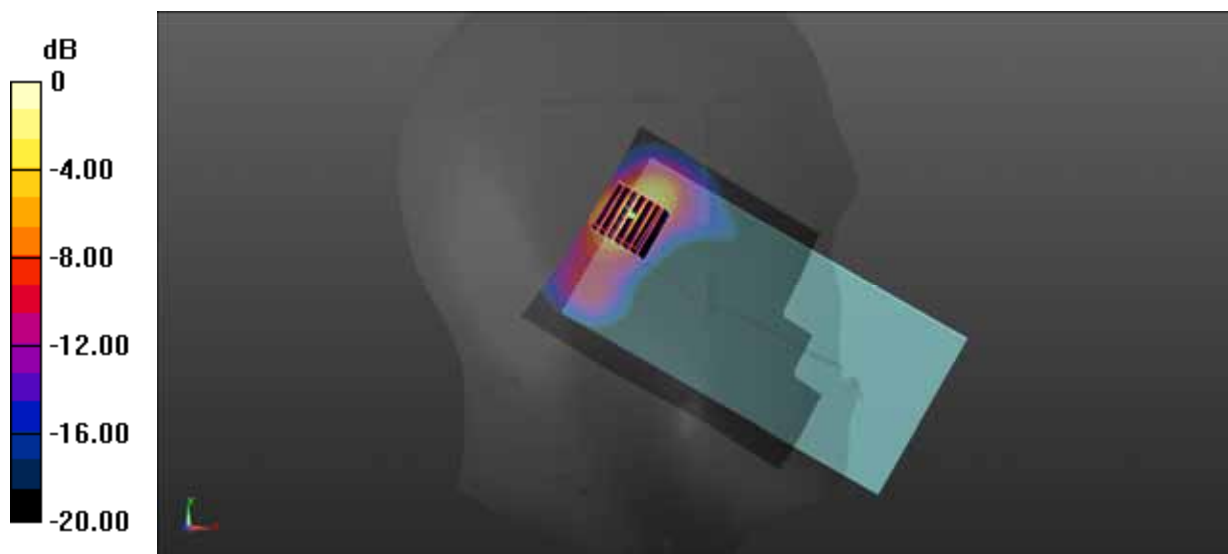
Ch40/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.691 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.27 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.55 W/kg = 4.07 dBW/kg

***06_WLAN5G_802.11ac-VHT40 MCS0_Left Cheek_Ch159**

DUT: PS470SH-B

Communication System: 802.11ac; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5795$ MHz; $\sigma = 5.489$ S/m; $\epsilon_r = 35.196$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.1, 5.1, 5.1); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch159/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 3.31 W/kg

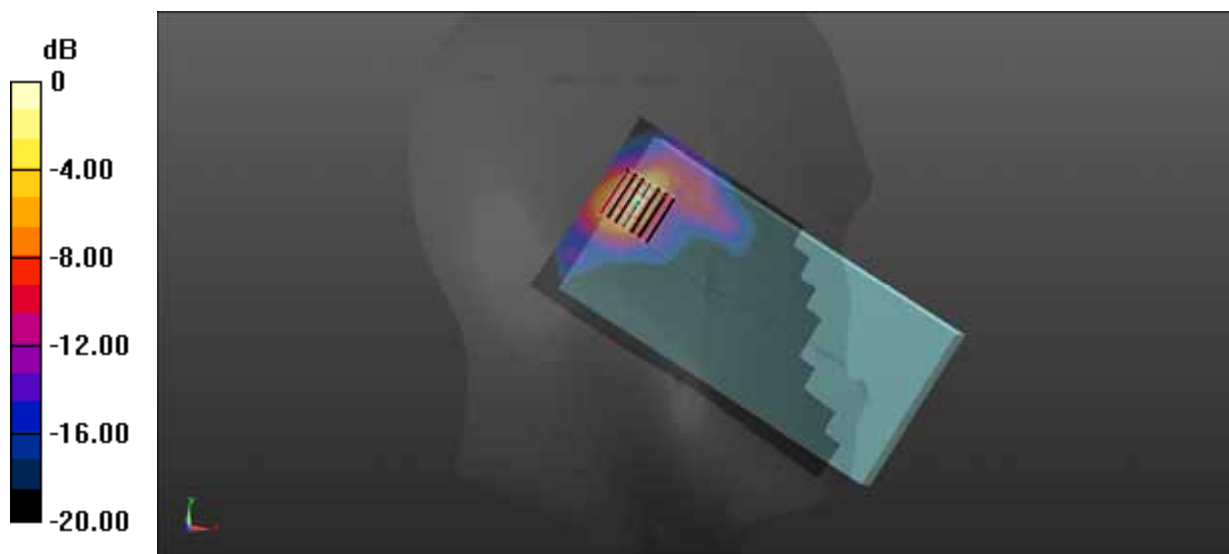
Ch159/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.472 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.57 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 2.96 W/kg



0 dB = 2.96 W/kg = 4.71 dBW/kg

***07_WLAN2.4G_802.11b 1Mbps_Back_10mm_Ch11**

DUT: PD470SH-B

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.833$ S/m; $\epsilon_r = 41.084$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch11/Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.241 W/kg

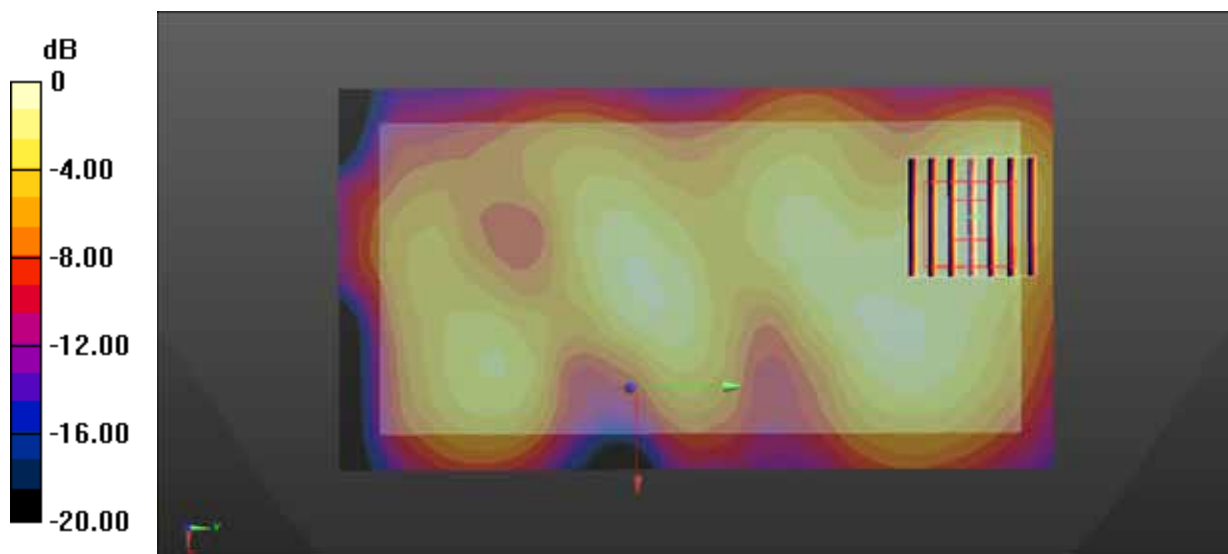
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.52 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.298 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.245 W/kg



0 dB = 0.245 W/kg = -6.11 dBW/kg

***08_WLAN2.4G_802.11b 1Mbps_Top Side_10mm_Ch6**

DUT: PD470SH-B

Communication System: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.812$ S/m; $\epsilon_r = 41.108$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 ; Liquid Temperature : 22.5

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.33, 7.33, 7.33); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch6/Area Scan (41x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.424 W/kg

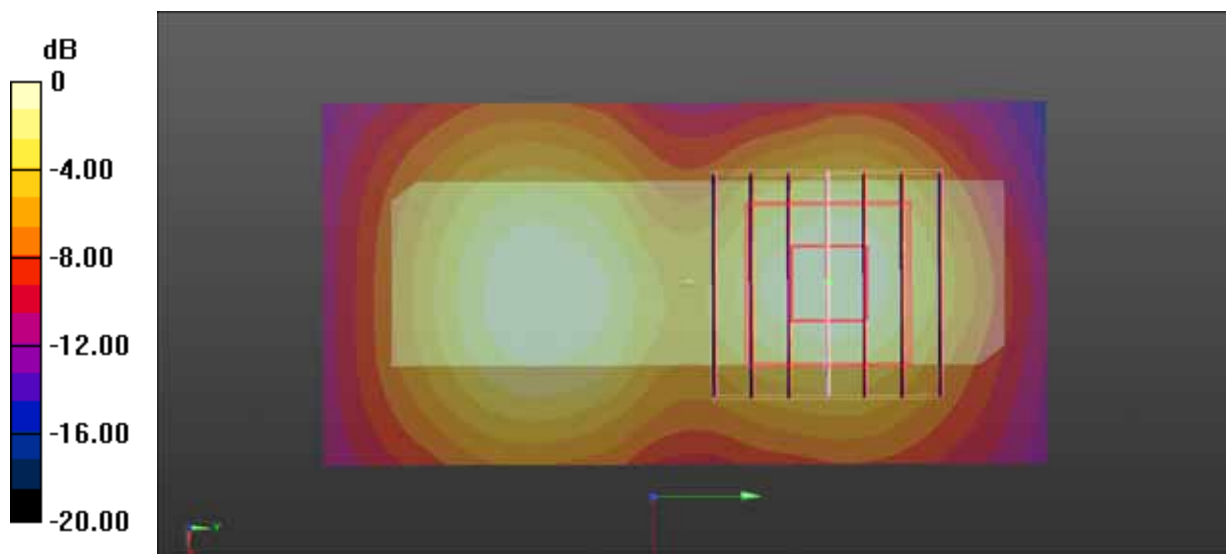
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.404 W/kg



0 dB = 0.404 W/kg = -3.94 dBW/kg

***09_WLAN5G_802.11a 6Mbps_Back_10mm_Ch36**

DUT: PD470SH-B

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5180$ MHz; $\sigma = 4.711$ S/m; $\epsilon_r = 36.464$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 ; Liquid Temperature : 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.55, 5.55, 5.55); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch36/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.369 W/kg

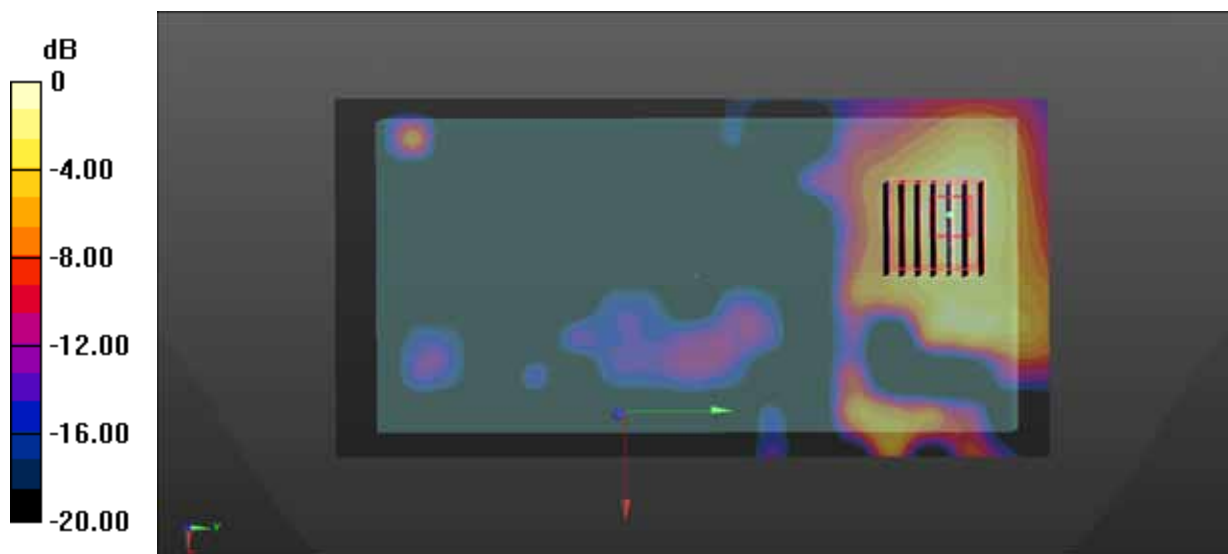
Ch36/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.993 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.604 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.38 dBW/kg

***10_WLAN5G_802.11a 6Mbps_Top Side_10mm_Ch48**

DUT: PD470SH-B

Communication System: 802.11a; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5240$ MHz; $\sigma = 4.788$ S/m; $\epsilon_r = 36.335$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.9 ; Liquid Temperature : 21.9

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.55, 5.55, 5.55); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch48/Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.775 W/kg

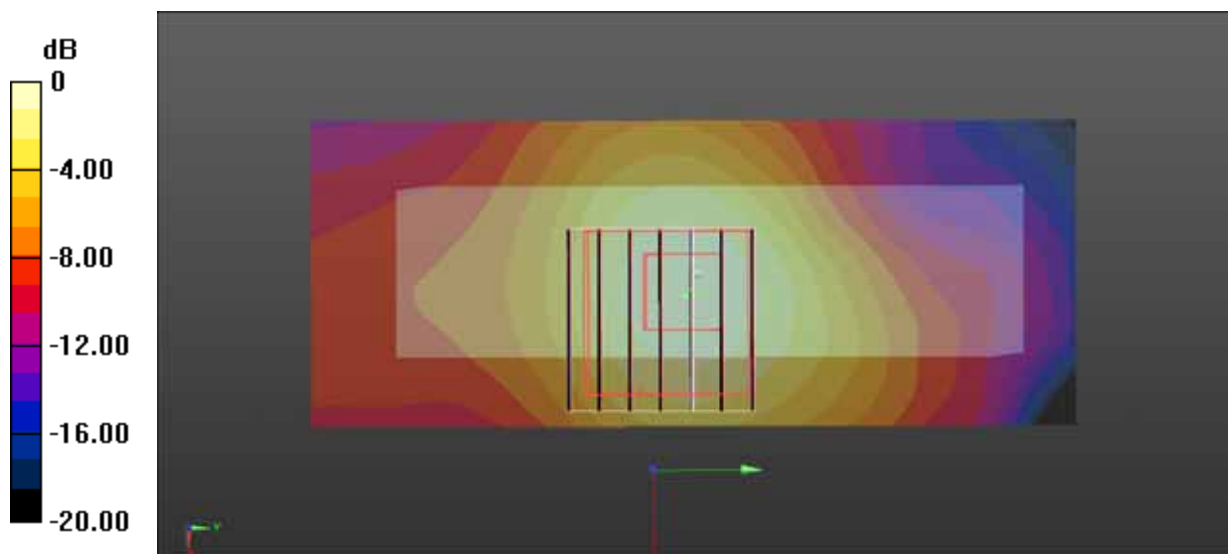
Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.580 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.776 W/kg



0 dB = 0.776 W/kg = -1.10 dBW/kg

***11_WLAN5G_802.11ac-VHT40 MCS0_Back_10mm_Ch159**

DUT: PD470SH-B

Communication System: 802.11ac; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5795$ MHz; $\sigma = 5.489$ S/m; $\epsilon_r = 35.196$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.1, 5.1, 5.1); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch159/Area Scan (91x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.878 W/kg

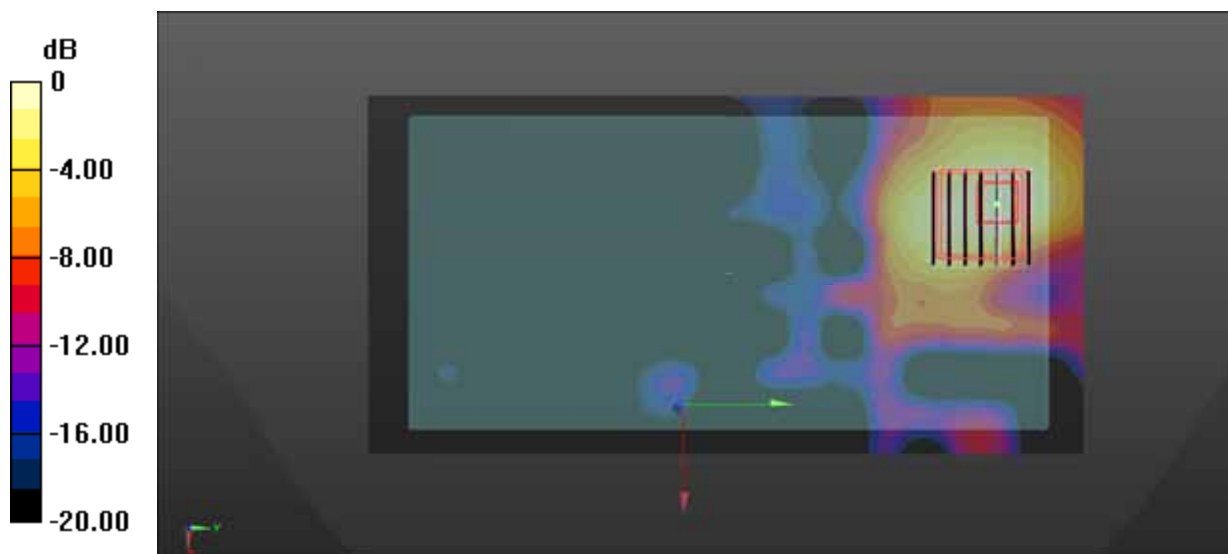
Ch159/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.12 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.289 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.848 W/kg



0 dB = 0.848 W/kg = -0.72 dBW/kg

***12_WLAN5G_802.11ac-VHT40 MCS0_Top Side_10mm_Ch159**

DUT: PD470SH-B

Communication System: 802.11ac; Frequency: 5795 MHz; Duty Cycle: 1:1

Medium: HSL_5G Medium parameters used: $f = 5795$ MHz; $\sigma = 5.489$ S/m; $\epsilon_r = 35.196$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 ; Liquid Temperature : 22.2

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(5.1, 5.1, 5.1); Calibrated: 11/5/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 11/7/2018
- Phantom: Twin-SAM V8.0 (20deg probe tilt)-Right; Type: QD 000 P40 CB; Serial: 1368
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Ch159/Area Scan (41x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

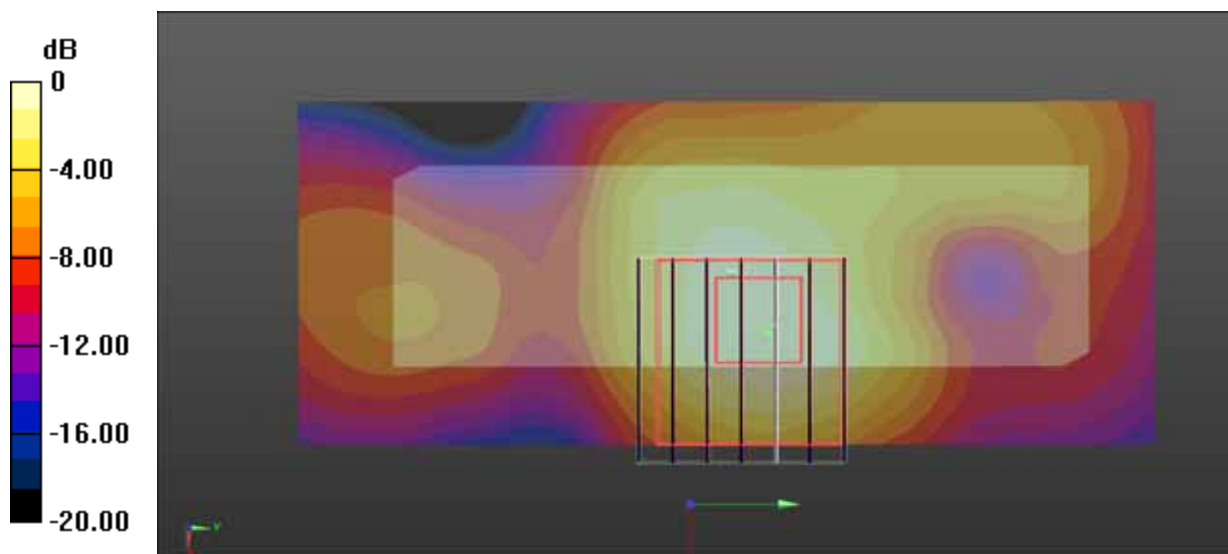
Ch159/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.02 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.79 W/kg

SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg