APPENDIX C SAR PLOTS OF SYSTEM VERIFICATION& SAR PLOTS OF SAR MEASUREMENT

FINAL

System Check_Body_2450MHz_170116

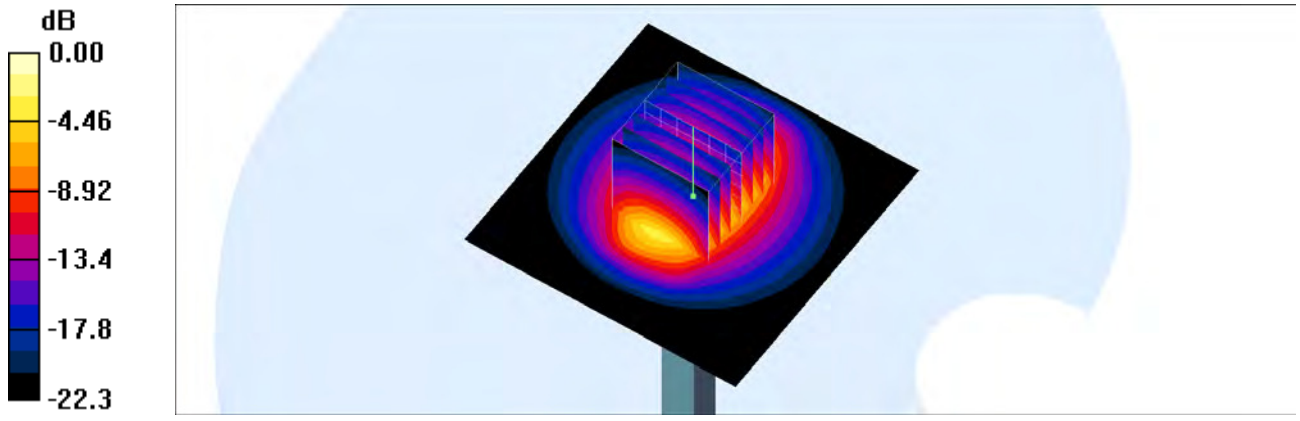
DUT: D2450V2-970

Communication System: CW ; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.96 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(7.88, 7.88, 7.88); Calibrated: 10/26/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Pin=250mW/Area Scan (71x71x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 21.2 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 106.3 V/m; Power Drift = -0.065 dB
Peak SAR (extrapolated) = 26.0 W/kg
SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.71 mW/g
Maximum value of SAR (measured) = 20.9 mW/g



0 dB = 20.9mW/g

System Check_Body_5250MHz_170118

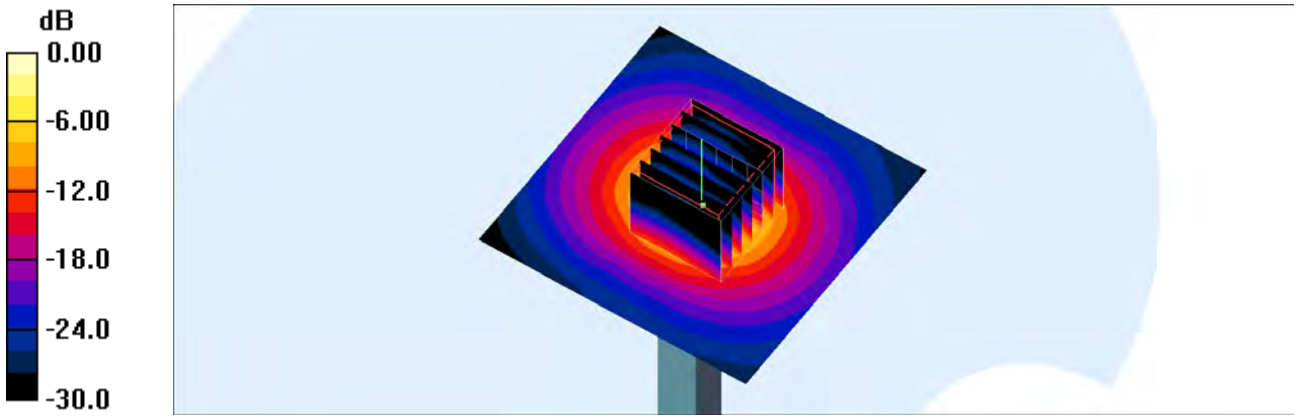
DUT: D5GHzV2-1225

Communication System: CW; Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 5.34 mho/m; ε_r = 46.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.91, 4.91, 4.91); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 21.0 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 72.6 V/m; Power Drift = -0.054 dB
Peak SAR (extrapolated) = 38.6 W/kg
SAR(1 g) = 8.11 mW/g; SAR(10 g) = 2.3 mW/g
Maximum value of SAR (measured) = 21.9 mW/g



0 dB = 21.9mW/g

System Check_Body_5600MHz_170118

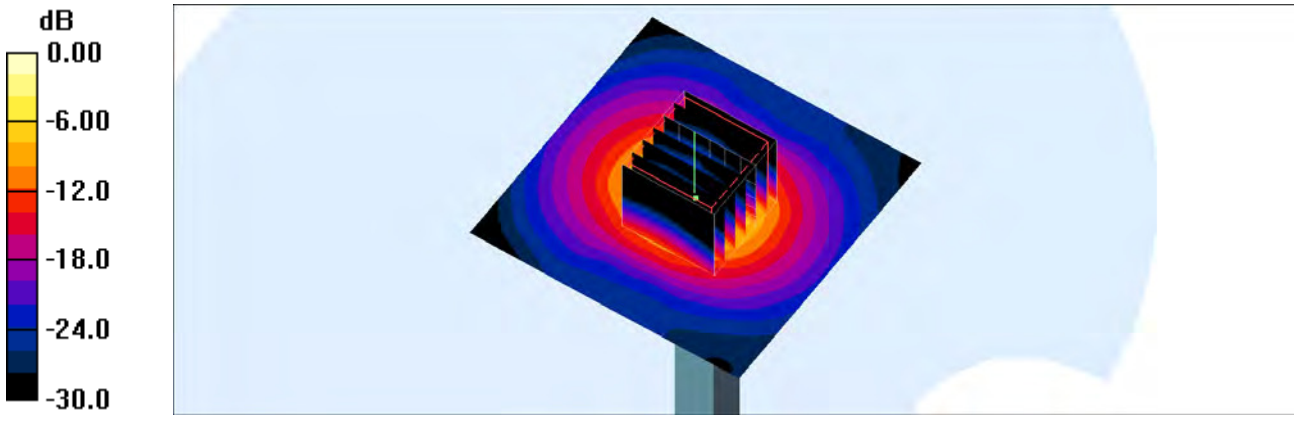
DUT: D5GHzV2-1225

Communication System: CW; Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.77 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.09, 4.09, 4.09); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 24.0 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 76.2 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 44.8 W/kg
SAR(1 g) = 8.65 mW/g; SAR(10 g) = 2.38 mW/g
Maximum value of SAR (measured) = 25.3 mW/g



0 dB = 25.3mW/g

System Check_Body_5800MHz_170118

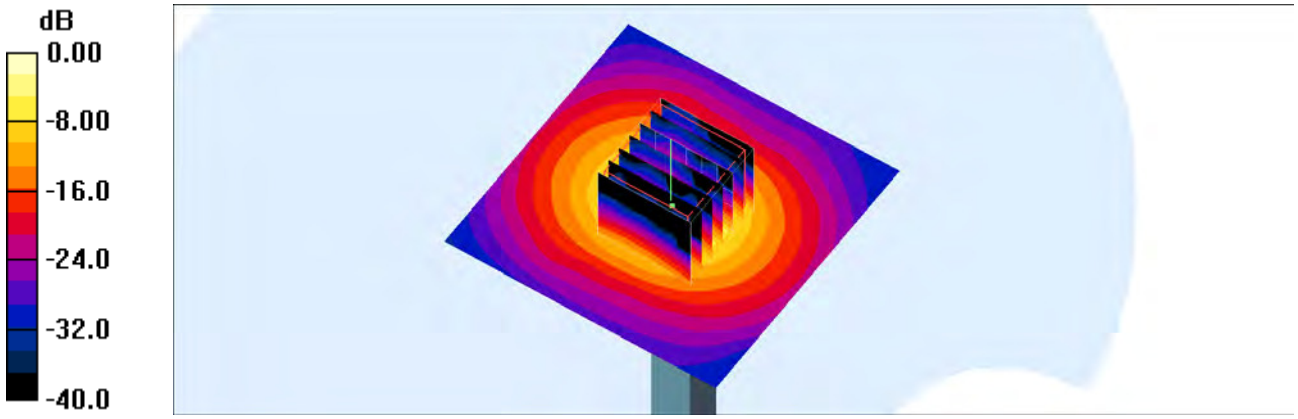
DUT: D5GHzV2-1225

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 6.02 mho/m; ε_r = 45.8; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.36, 4.36, 4.36); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Pin=100mW/Area Scan (71x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 21.6 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 71.4 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 41.7 W/kg
SAR(1 g) = 8.22 mW/g; SAR(10 g) = 2.29 mW/g
Maximum value of SAR (measured) = 22.9 mW/g



0 dB = 22.9mW/g

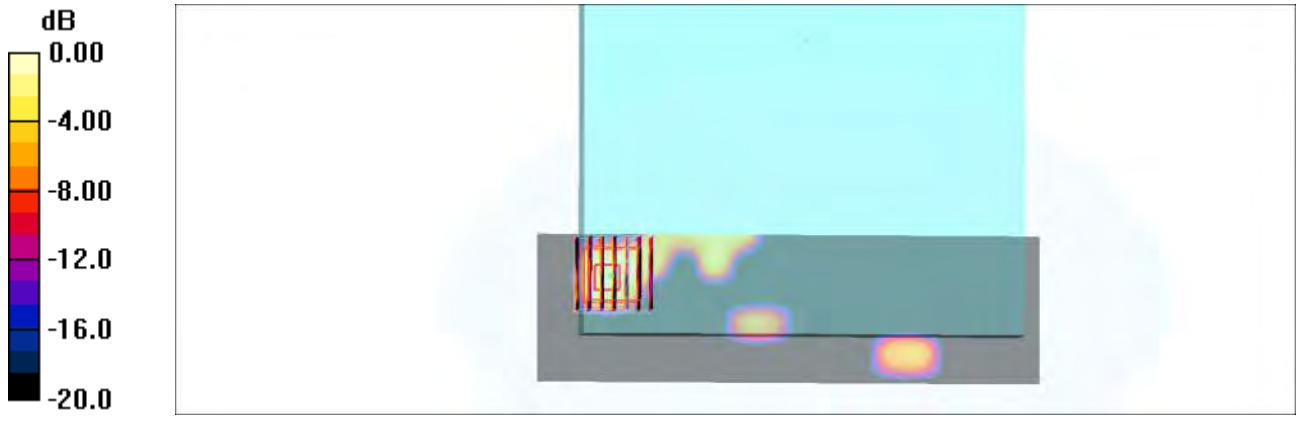
#01_WLAN2.4GHz_802.11b 1Mbps_Back_0mm_Ch1;Ant 0

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.91 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(7.88, 7.88, 7.88); Calibrated: 10/26/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

CH1/Area Scan (51x171x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.011 mW/g

CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.05 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.016 W/kg
SAR(1 g) = 0.00559 mW/g; SAR(10 g) = 0.00197 mW/g
Maximum value of SAR (measured) = 0.01 mW/g



0 dB = 0.010mW/g

#02_WLAN2.4GHz_802.11b 1Mbps_Edge 1_0mm_Ch1;Ant 0

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.91 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(7.88, 7.88, 7.88); Calibrated: 10/26/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

CH1/Area Scan (51x61x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.036 mW/g

CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.40 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.043 W/kg
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.034 mW/g

0 dB = 0.034mW/g

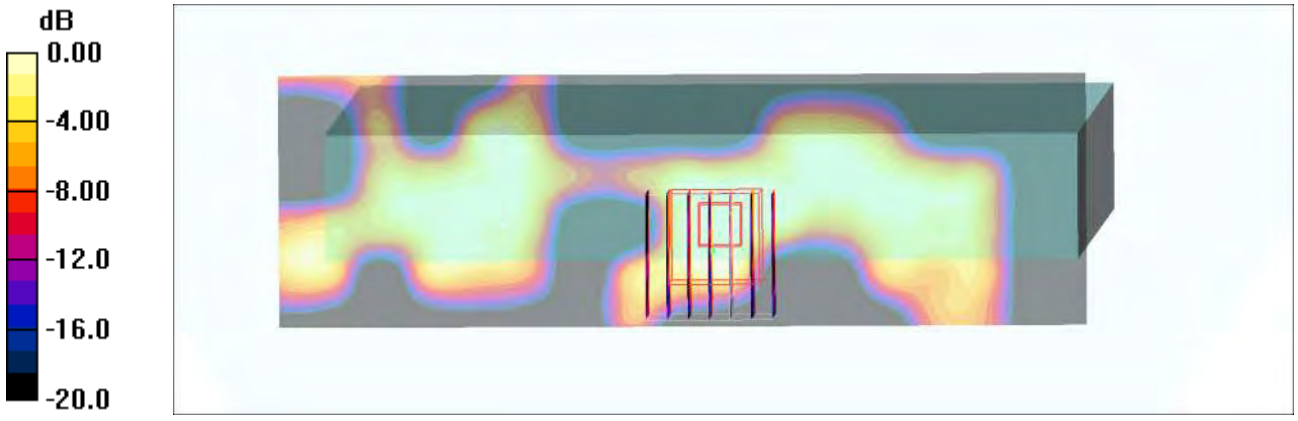
#03_WLAN2.4GHz_802.11b 1Mbps_Edge 2_0mm_Ch1;Ant 0

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.91 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(7.88, 7.88, 7.88); Calibrated: 10/26/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

CH1/Area Scan (51x161x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.024 mW/g

CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.85 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.018 W/kg
SAR(1 g) = 0.00857 mW/g; SAR(10 g) = 0.00331 mW/g
Maximum value of SAR (measured) = 0.013 mW/g



0 dB = 0.013mW/g

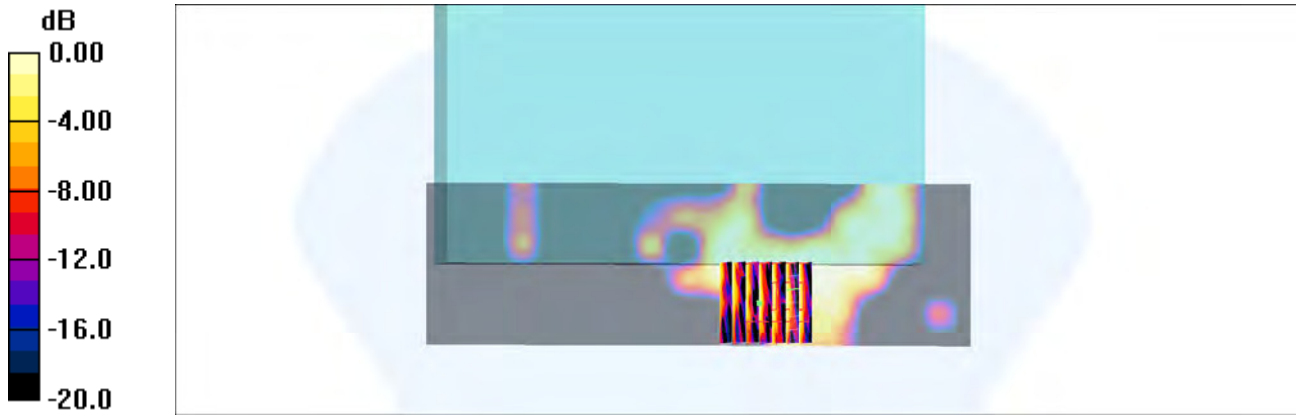
#04_WLAN2.4GHz_802.11b 1Mbps_Back_0mm_Ch1;Ant 1

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.91 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(7.88, 7.88, 7.88); Calibrated: 10/26/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

CH1/Area Scan (51x171x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.020 mW/g

CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid:
dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.90 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 0.032 W/kg
SAR(1 g) = 0.00906 mW/g; SAR(10 g) = 0.00328 mW/g
Maximum value of SAR (measured) = 0.014 mW/g



0 dB = 0.014mW/g

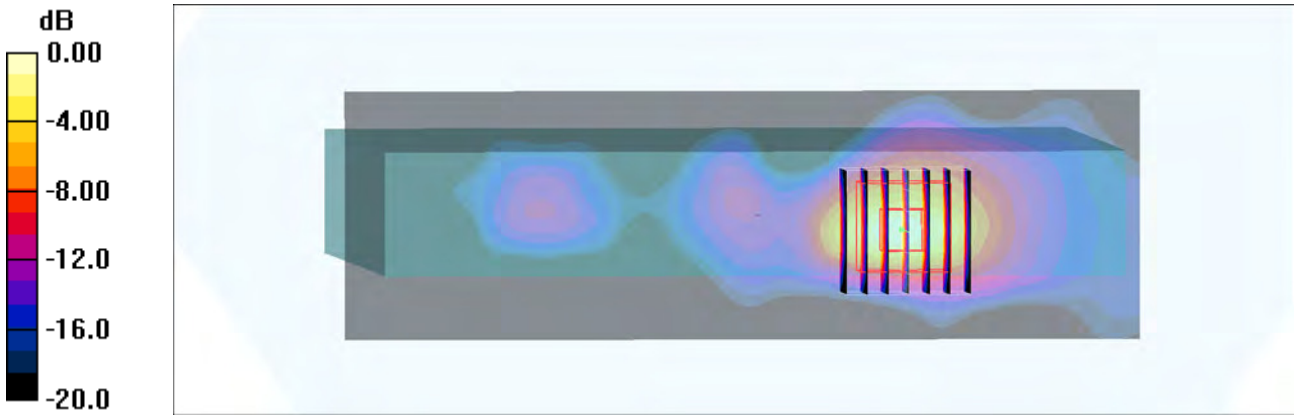
#05_WLAN2.4GHz_802.11b 1Mbps_Edge 2_0mm_Ch1;Ant 1

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.91 mho/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(7.88, 7.88, 7.88); Calibrated: 10/26/2016
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

CH1/Area Scan (51x161x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.318 mW/g

CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.03 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.438 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.333 mW/g



0 dB = 0.333mW/g

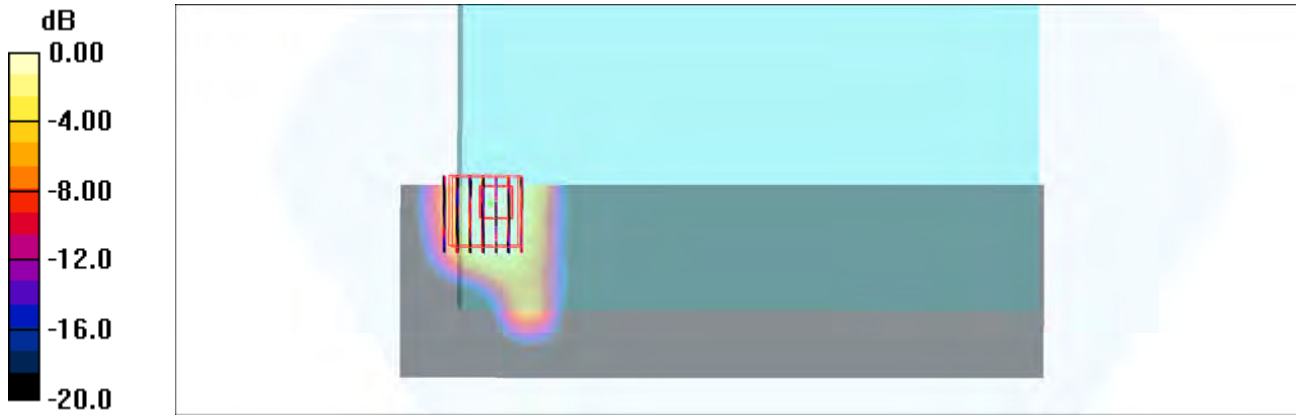
#06_WLAN5GHz_802.11n-HT40_Back_0mm_5270MHz;Ant 0

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5270 MHz; σ = 5.36 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.91, 4.91, 4.91); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5270MHz/Area Scan (61x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.076 mW/g

5270MHz/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.03 V/m; Power Drift = -0.021 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00389 mW/g
Maximum value of SAR (measured) = 0.036 mW/g



0 dB = 0.036mW/g

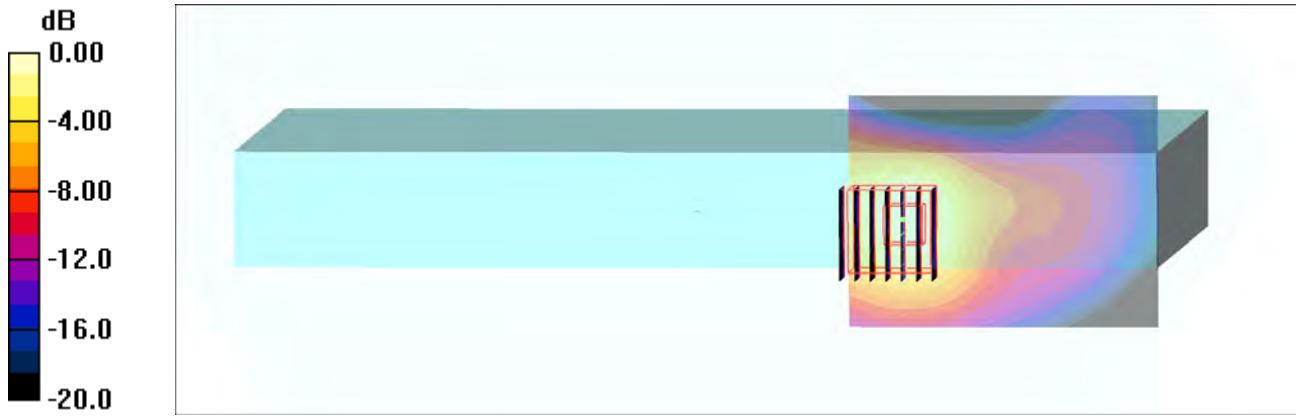
#07_WLAN5GHz_802.11n-HT40_Edge 1_0mm_5270MHz;Ant 0

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5270 MHz; σ = 5.36 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.91, 4.91, 4.91); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5270MHz/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.405 mW/g

5270MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.03 V/m; Power Drift = -0.077 dB
Peak SAR (extrapolated) = 0.722 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.427 mW/g



0 dB = 0.427mW/g

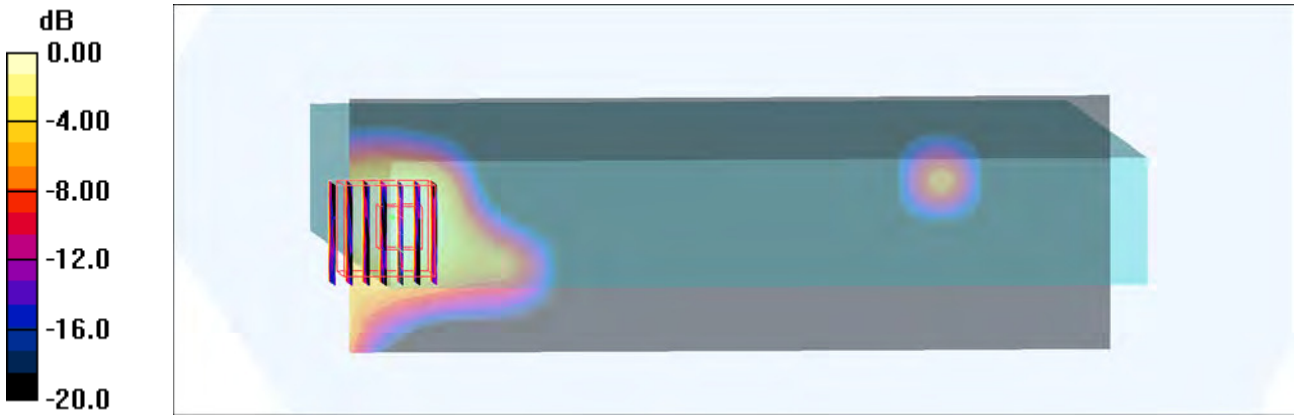
#08_WLAN5GHz_802.11n-HT40_Edge 2_0mm_5270MHz;Ant 0

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5270 MHz; σ = 5.36 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.91, 4.91, 4.91); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5270MHz/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.117 mW/g

5270MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.12 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 0.146 W/kg
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.075 mW/g



0 dB = 0.075mW/g

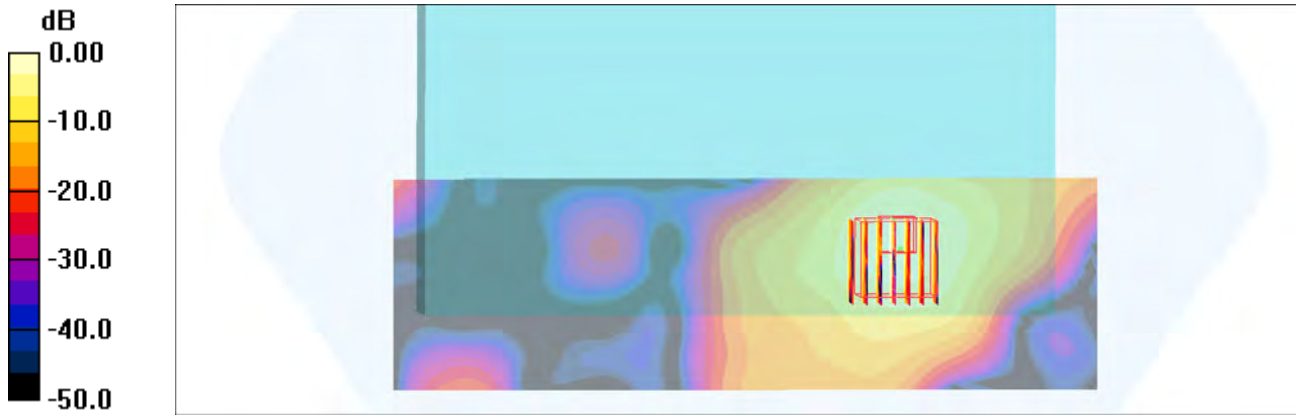
#09_WLAN5GHz_802.11n-HT40_Back_0mm_5270MHz;Ant 1

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5270 MHz; σ = 5.36 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.91, 4.91, 4.91); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5270MHz/Area Scan (61x201x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.486 mW/g

5270MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.52 V/m; Power Drift = 0.140 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.630 mW/g



0 dB = 0.630mW/g

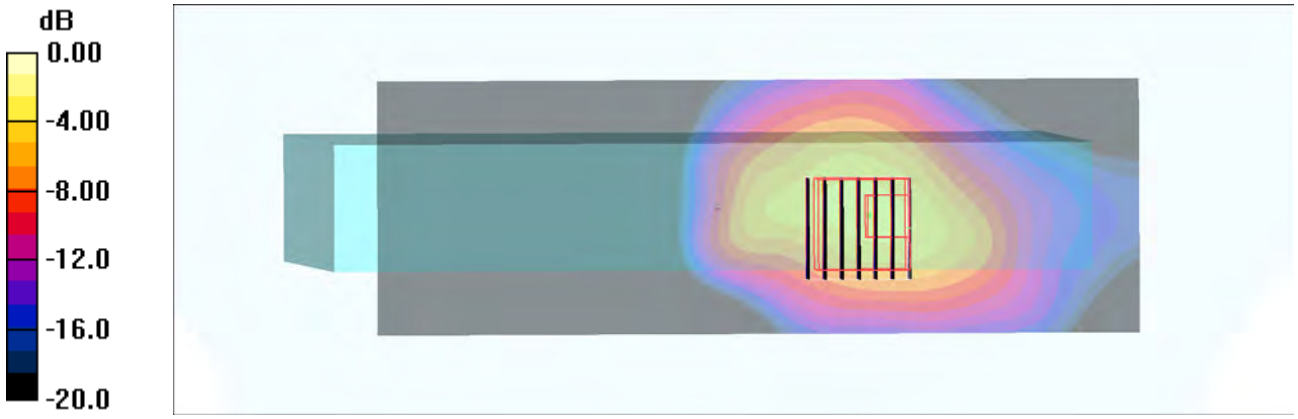
#10_WLAN5GHz_802.11n-HT40_Edge 2_0mm_5270MHz;Ant 1

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5270 MHz; σ = 5.36 mho/m; ε_r = 46.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.91, 4.91, 4.91); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5270MHz/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.661 mW/g

5270MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.78 V/m; Power Drift = -0.061 dB
Peak SAR (extrapolated) = 2.44 W/kg
SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.129 mW/g
Maximum value of SAR (measured) = 1.40 mW/g



0 dB = 1.40mW/g

#11_WLAN5GHz_802.11n-HT40_Back_0mm_5670MHz;Ant 0

Communication System: 802.11n; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5670 MHz; σ = 5.86 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.09, 4.09, 4.09); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5670MHz/Area Scan (81x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.196 mW/g

5670MHz/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.87 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.00932 mW/g
Maximum value of SAR (measured) = 0.084 mW/g

0 dB = 0.084mW/g

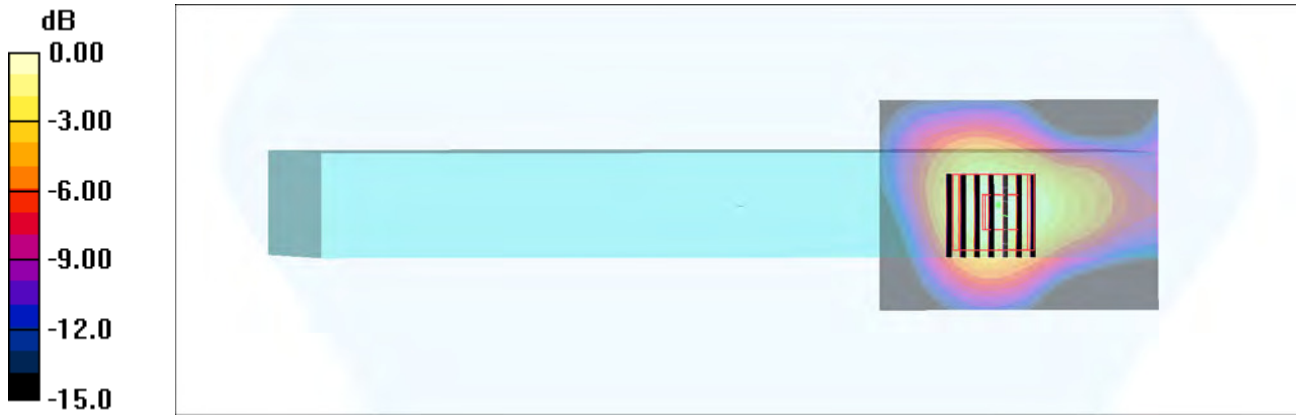
#12_WLAN5GHz_802.11n-HT40_Edge 1_0mm_5670MHz;Ant 0

Communication System: 802.11n; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5670 MHz; σ = 5.86 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.09, 4.09, 4.09); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5670MHz/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.502 mW/g

5670MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.56 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.880 W/kg
SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.507 mW/g



0 dB = 0.507mW/g

#13_WLAN5GHz_802.11n-HT40_Edge 2_0mm_5670MHz;Ant 0

Communication System: 802.11n; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5670 MHz; σ = 5.86 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.09, 4.09, 4.09); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5670MHz/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.236 mW/g

5670MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.23 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.131 mW/g

0 dB = 0.131mW/g

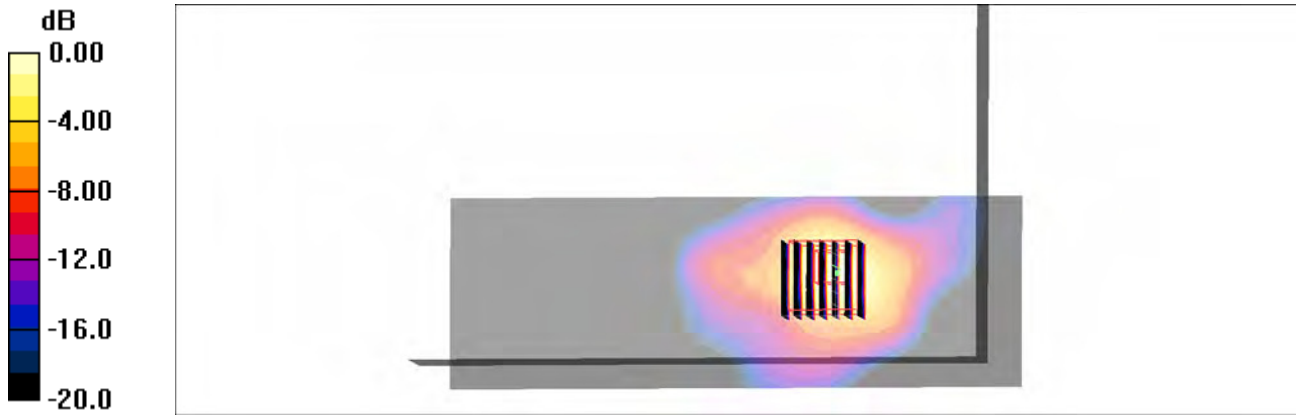
#14_WLAN5GHz_802.11n-HT40_Back_0mm_5670MHz;Ant 1

Communication System: 802.11n; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5670 MHz; σ = 5.86 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.09, 4.09, 4.09); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5670MHz/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.939 mW/g

5670MHz/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.73 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.836 mW/g



0 dB = 0.836mW/g

#15_WLAN5GHz_802.11n-HT40_Edge 2_0mm_5670MHz;Ant 1

Communication System: 802.11n; Frequency: 5670 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5670 MHz; σ = 5.86 mho/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.09, 4.09, 4.09); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5670MHz/Area Scan (61x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.570 mW/g

5670MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.64 V/m; Power Drift = 0.167 dB
Peak SAR (extrapolated) = 2.29 W/kg
SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 1.23 mW/g

0 dB = 1.23mW/g

#16_WLAN5GHz_802.11n-HT40_Back_0mm_5755MHz;Ant 0

Communication System: 802.11n; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5755 MHz; σ = 5.98 mho/m; ε_r = 45.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.36, 4.36, 4.36); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5755MHz/Area Scan (81x181x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.173 mW/g

5755MHz/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.62 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 0.283 W/kg
SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00705 mW/g
Maximum value of SAR (measured) = 0.064 mW/g

0 dB = 0.064mW/g

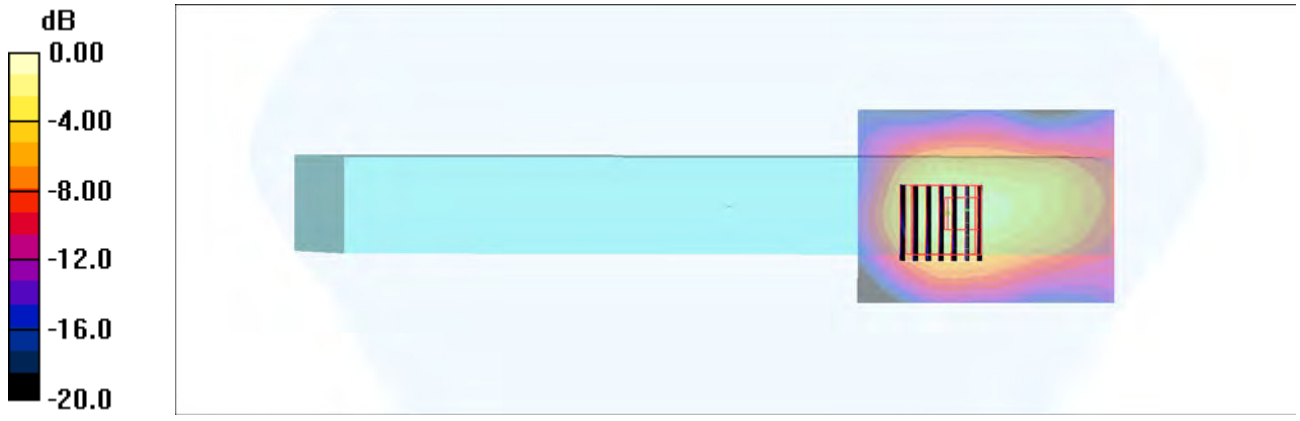
#17_WLAN5GHz_802.11n-HT40_Edge 1_0mm_5755MHzl;Ant 0

Communication System: 802.11n; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5755 MHz; σ = 5.98 mho/m; ε_r = 45.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.36, 4.36, 4.36); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5755MHz/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.376 mW/g

5755MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.58 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 0.830 W/kg
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.056 mW/g
Maximum value of SAR (measured) = 0.458 mW/g



0 dB = 0.458mW/g

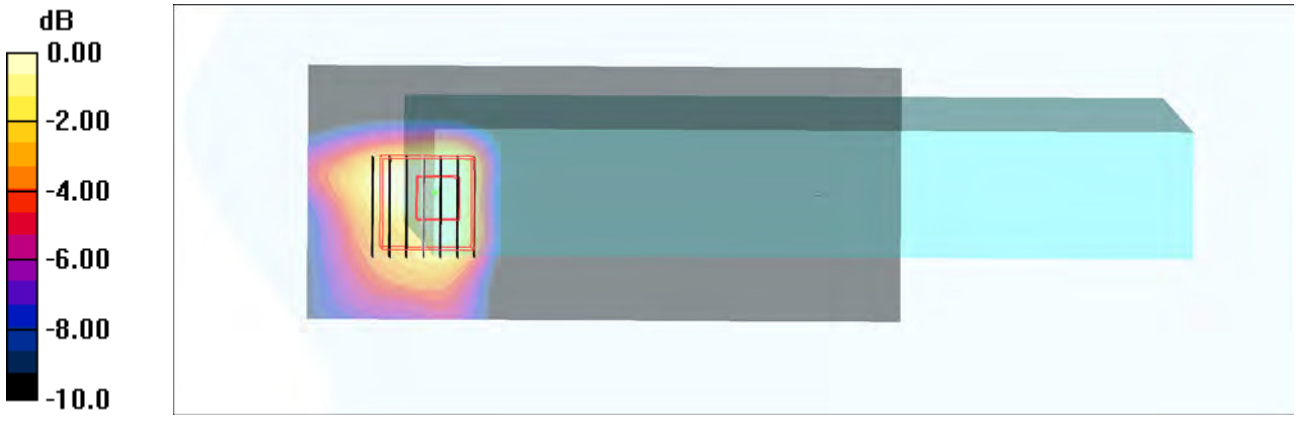
#18_WLAN5GHz_802.11n-HT40_Edge 2_0mm_5755MHzl;Ant 0

Communication System: 802.11n; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5755 MHz; σ = 5.98 mho/m; ε_r = 45.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.36, 4.36, 4.36); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5755MHz/Area Scan (61x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.226 mW/g

5755MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.83 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 0.274 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



0 dB = 0.163mW/g

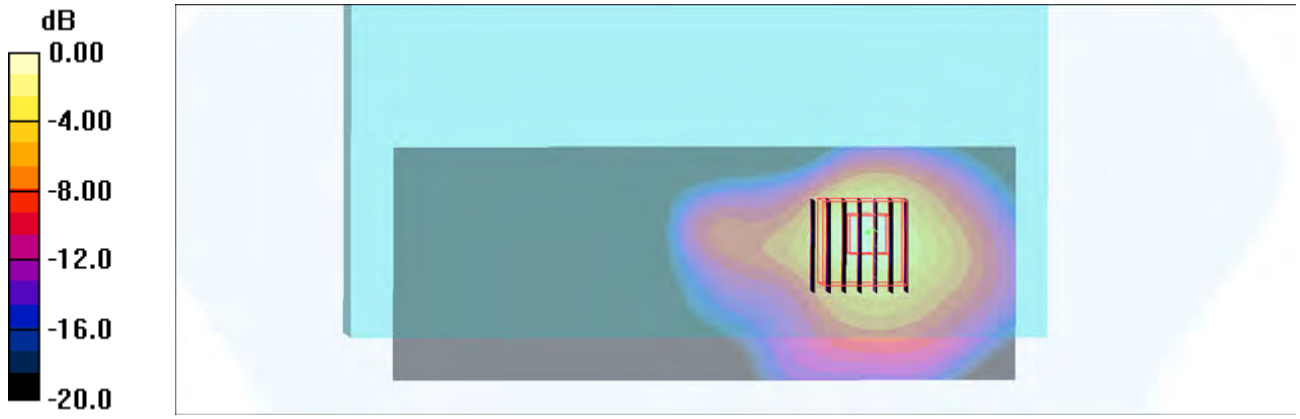
#19_WLAN5GHz_802.11n-HT40_Back_0mm_5755MHz;Ant 1

Communication System: 802.11n; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5755 MHz; σ = 5.98 mho/m; ε_r = 45.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.36, 4.36, 4.36); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5755MHz/Area Scan (61x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.798 mW/g

5755MHz/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.82 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.756 mW/g



0 dB = 0.756mW/g

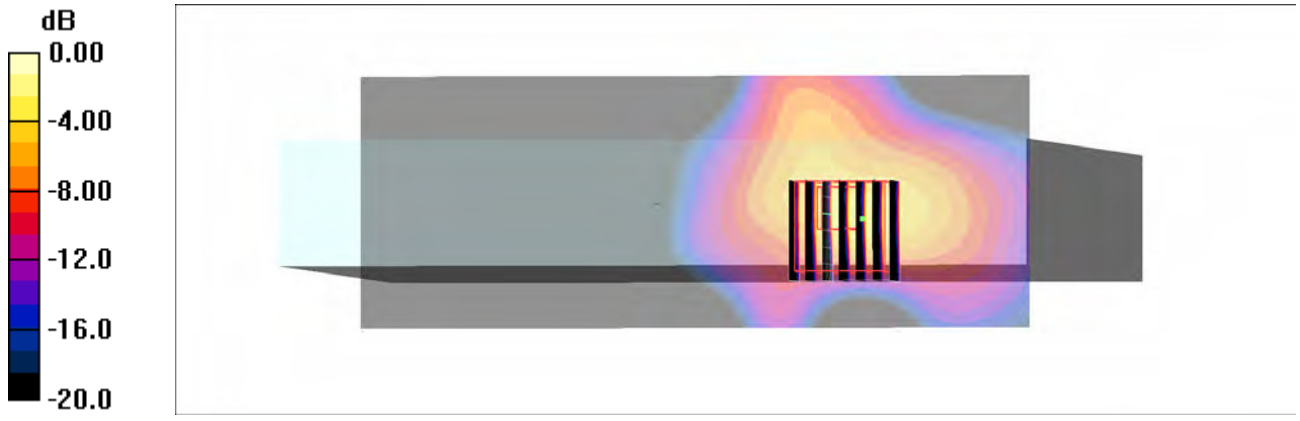
#20_WLAN5GHz_802.11n-HT40_Edge 2_0mm_5755MHz;Ant 1

Communication System: 802.11n; Frequency: 5755 MHz;Duty Cycle: 1:1
Medium parameters used : f = 5755 MHz; σ = 5.98 mho/m; ε_r = 45.9; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN7382; ConvF(4.36, 4.36, 4.36); Calibrated: 10/26/2016
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 10/25/2016
- Phantom: TWIN SAM; Type: Twin SAM V5.0; Serial: TP:1909
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

5755MHz/Area Scan (61x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.566 mW/g

5755MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 7.90 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g