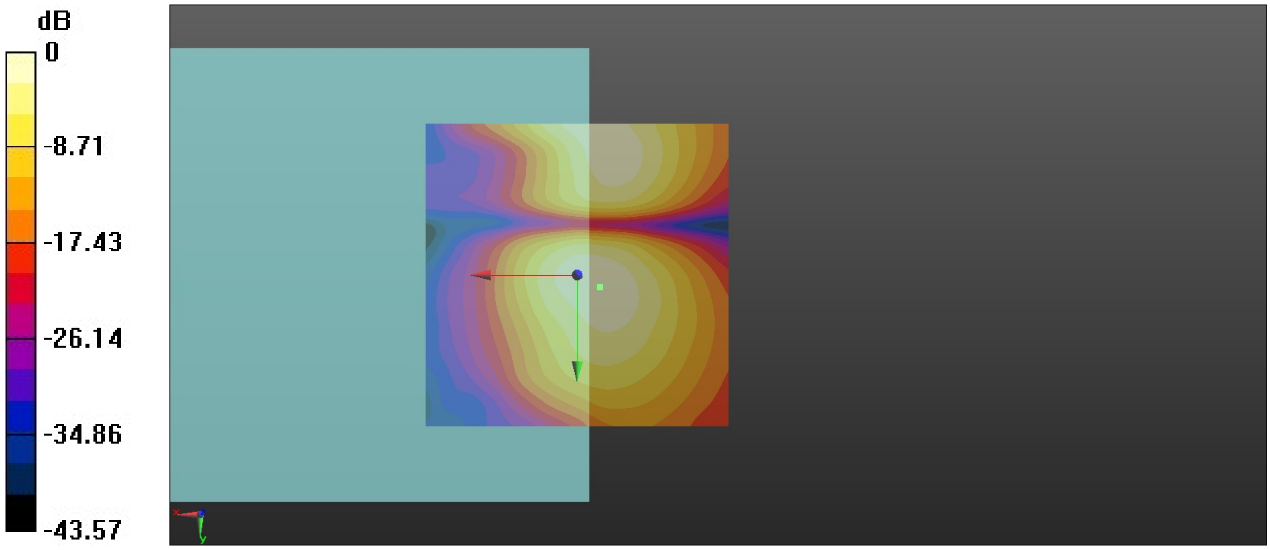
6_HAC_T-Coil_LTE Band 2_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch18900 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 36.90 dB
ABM1 comp = -13.42 dBA/m
BWC Factor = 0.15 dB
Location: -3.7, 2.1, 3.7 mm



0 dB = 70.00 = 36.90 dB

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.1

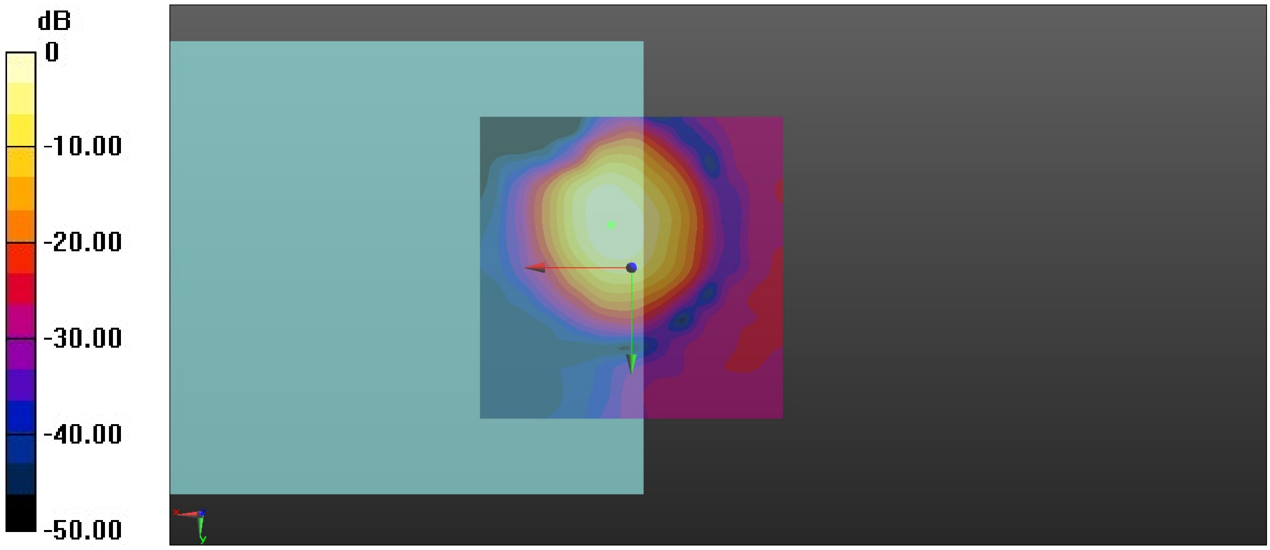
7_HAC_T-Coil_LTE Band 4_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch20175 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

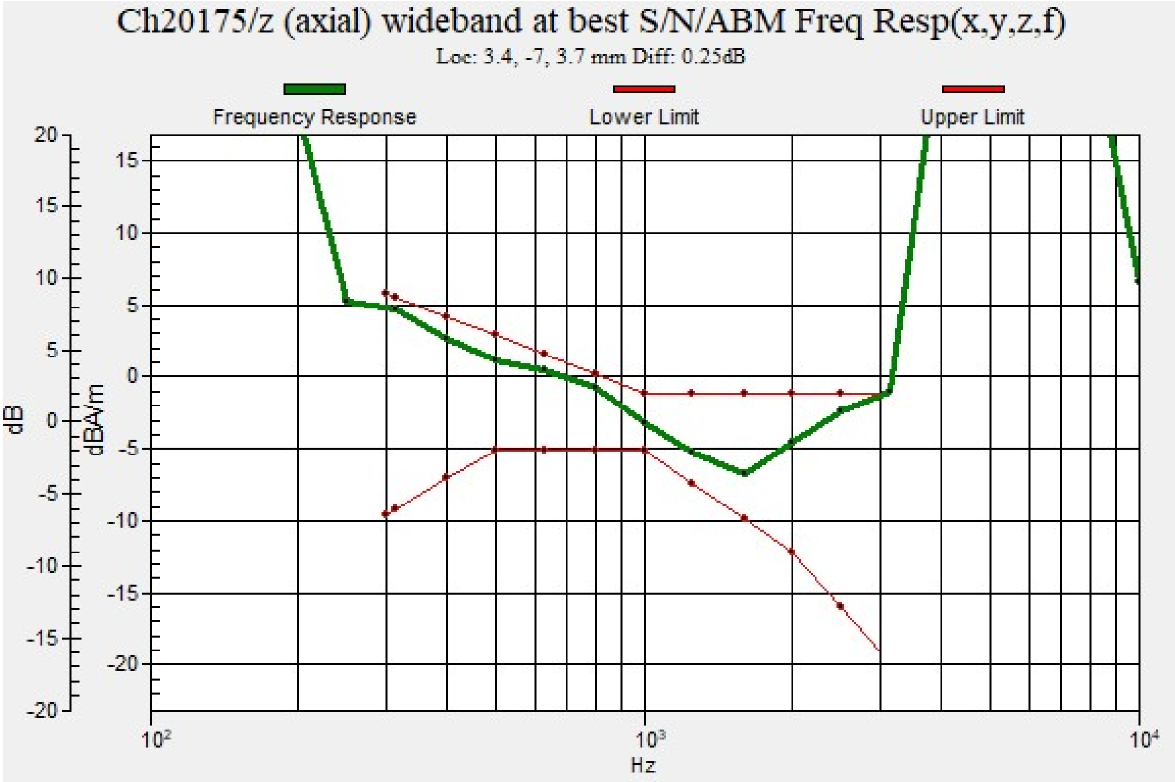
DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 42.23 dB
ABM1 comp = -1.19 dBA/m
BWC Factor = 0.15 dB
Location: 3.3, -7.1, 3.7 mm



0 dB = 129.3 = 42.23 dB



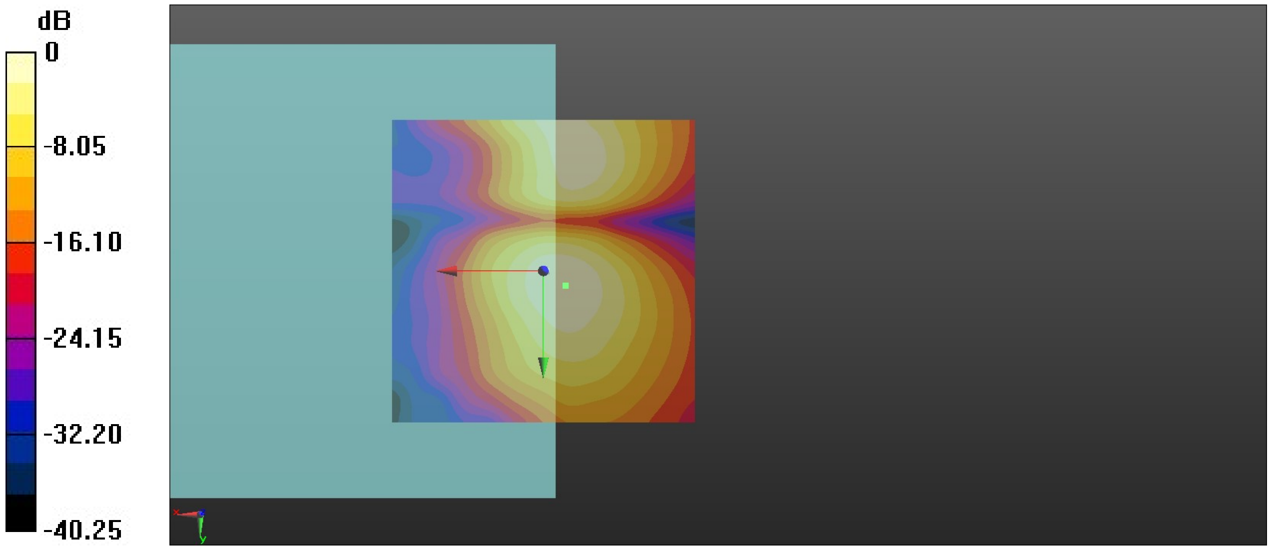
Ch20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 3.4, -7, 3.7 mm Diff: 0.25dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

7_HAC_T-Coil_LTE Band 4_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch20175 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 36.68 dB
ABM1 comp = -13.62 dBA/m
BWC Factor = 0.15 dB
Location: -3.7, 2.5, 3.7 mm



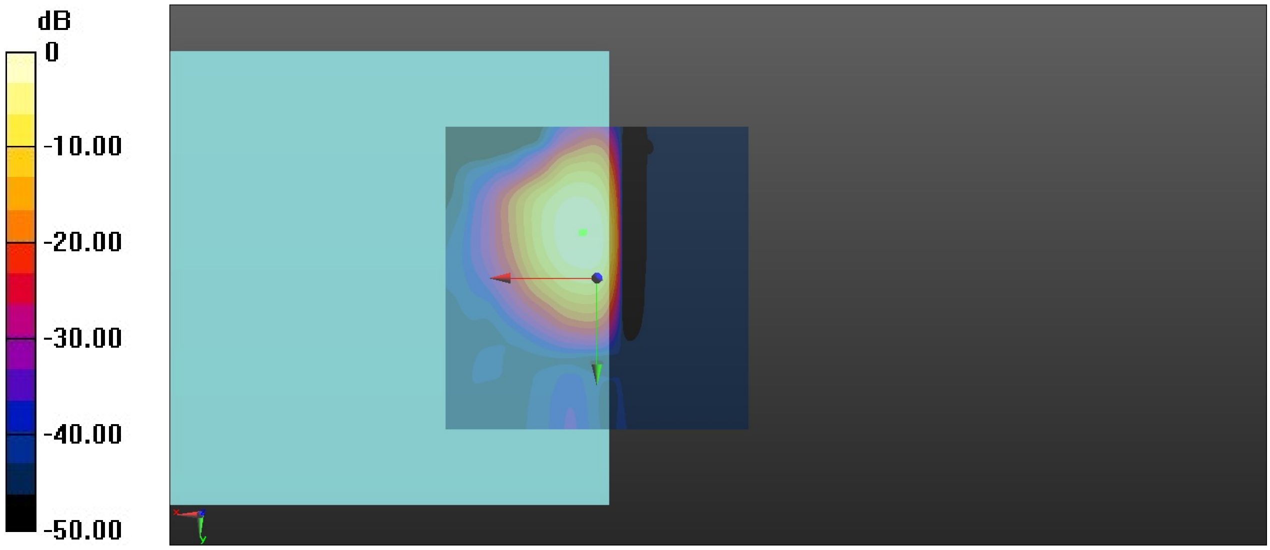
0 dB = 68.20 = 36.68 dB

8_HAC_T-Coil_LTE Band 5_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch20525 (Z)

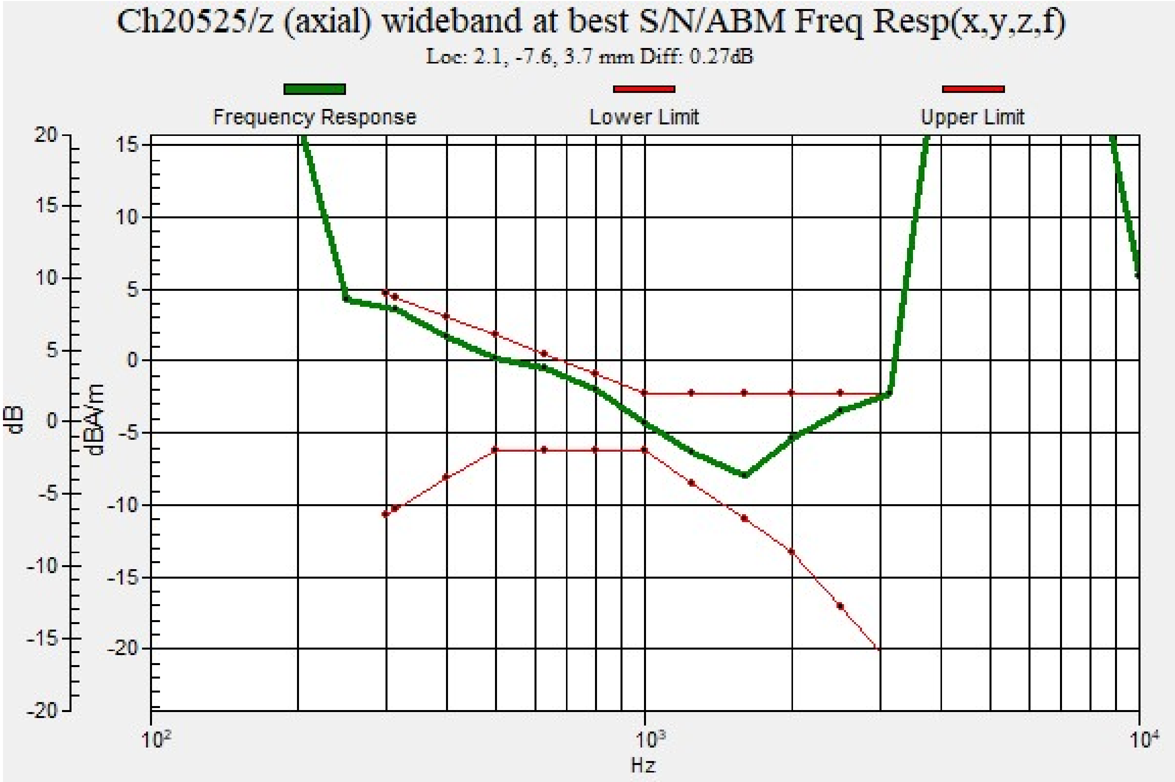
Communication System: UID 0, LTE-FDD (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 41.83 dB
ABM1 comp = -1.98 dBA/m
BWC Factor = 0.15 dB
Location: 2.5, -7.5, 3.7 mm



0 dB = 123.5 = 41.83 dB

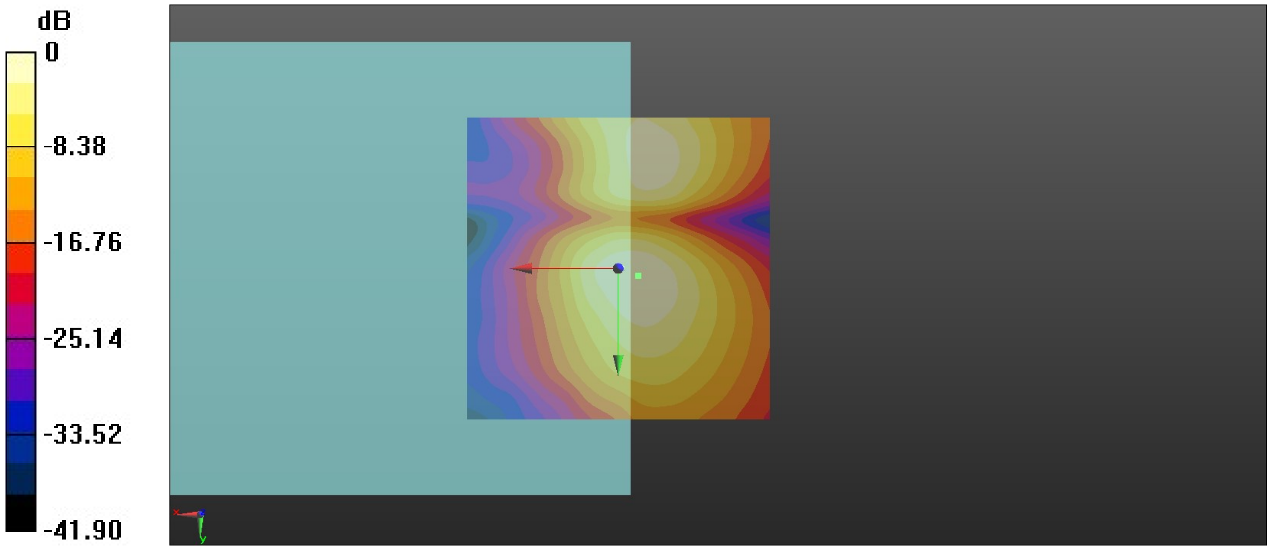

Ch20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 2.1, -7.6, 3.7 mm Diff: 0.27dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

8_HAC_T-Coil_LTE Band 5_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch20525 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 36.33 dB
ABM1 comp = -13.84 dBA/m
BWC Factor = 0.15 dB
Location: -3.3, 1.2, 3.7 mm



0 dB = 65.54 = 36.33 dB

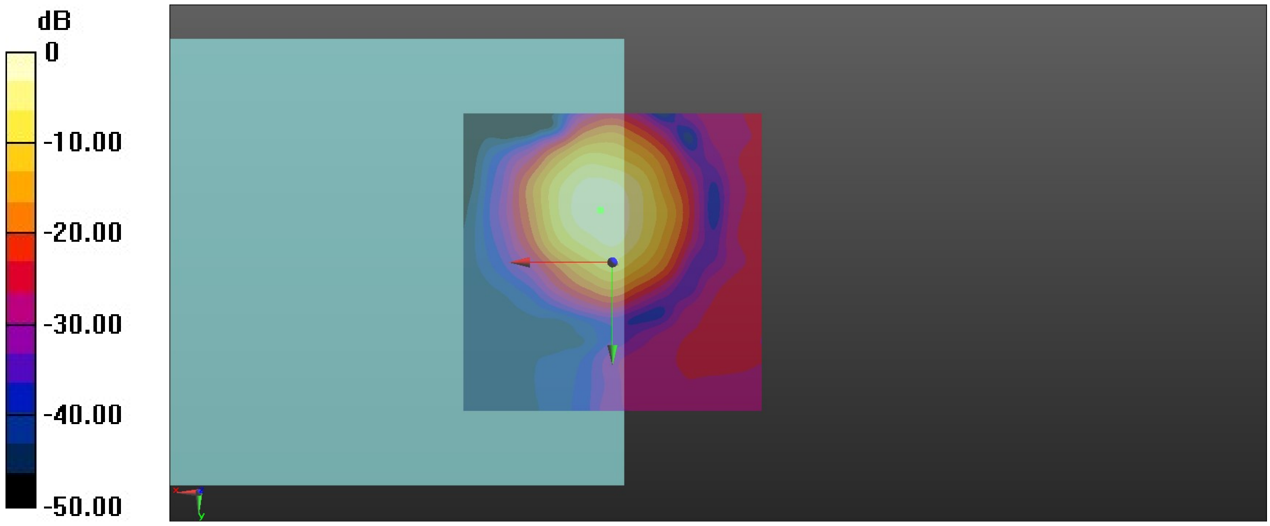
Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.1

9_HAC_T-Coil_LTE Band 12_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23095 (Z)

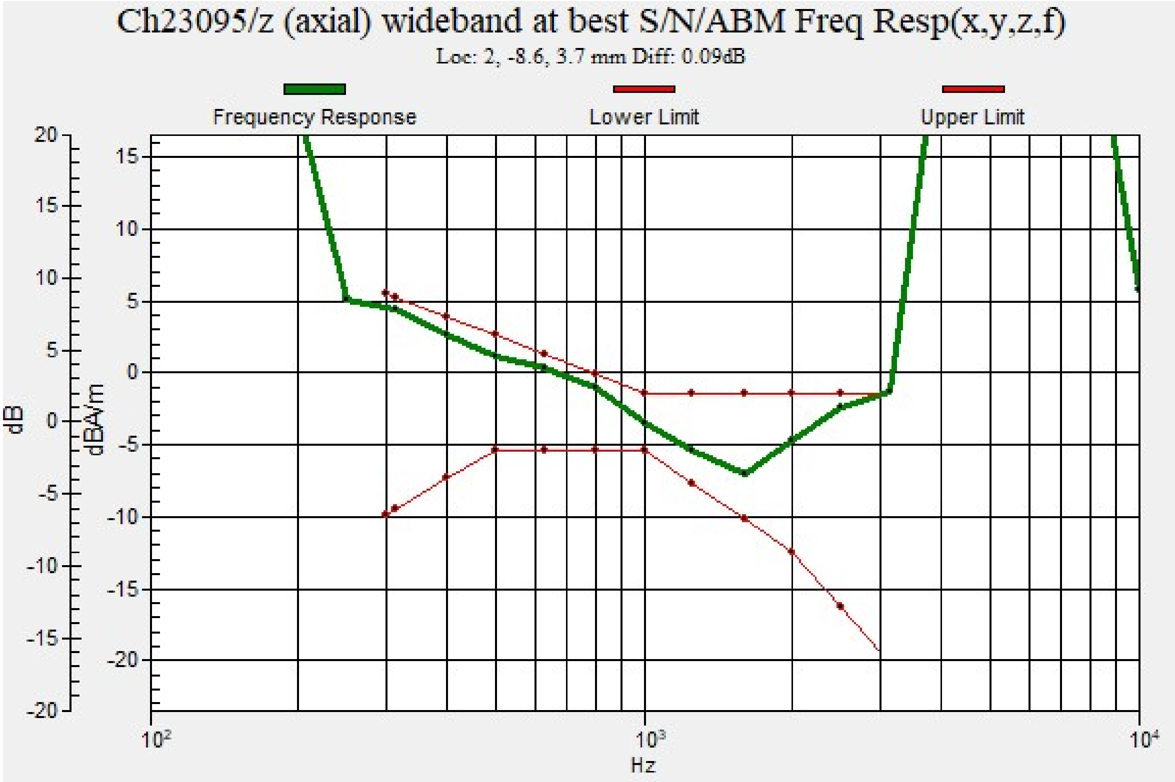
Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 42.40 dB
ABM1 comp = -1.43 dBA/m
BWC Factor = 0.15 dB
Location: 2.1, -8.8, 3.7 mm



0 dB = 131.9 = 42.40 dB



Ch23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 2, -8.6, 3.7 mm Diff: 0.09dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

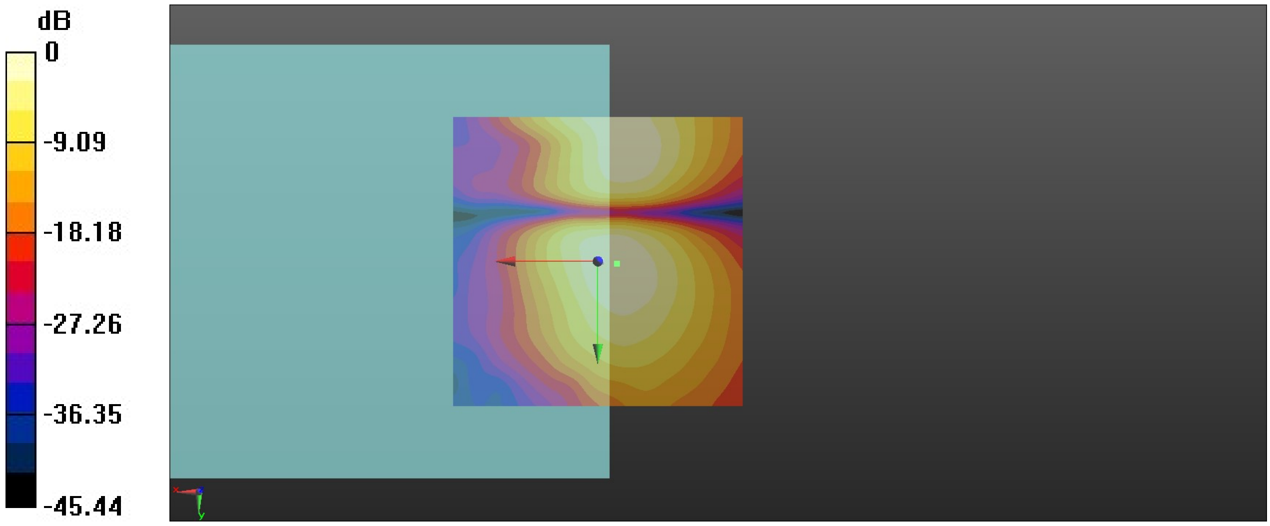
Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.1

9_HAC_T-Coil_LTE Band 12_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23095 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 37.19 dB
ABM1 comp = -13.01 dBA/m
BWC Factor = 0.15 dB
Location: -3.3, 0.4, 3.7 mm



0 dB = 72.38 = 37.19 dB

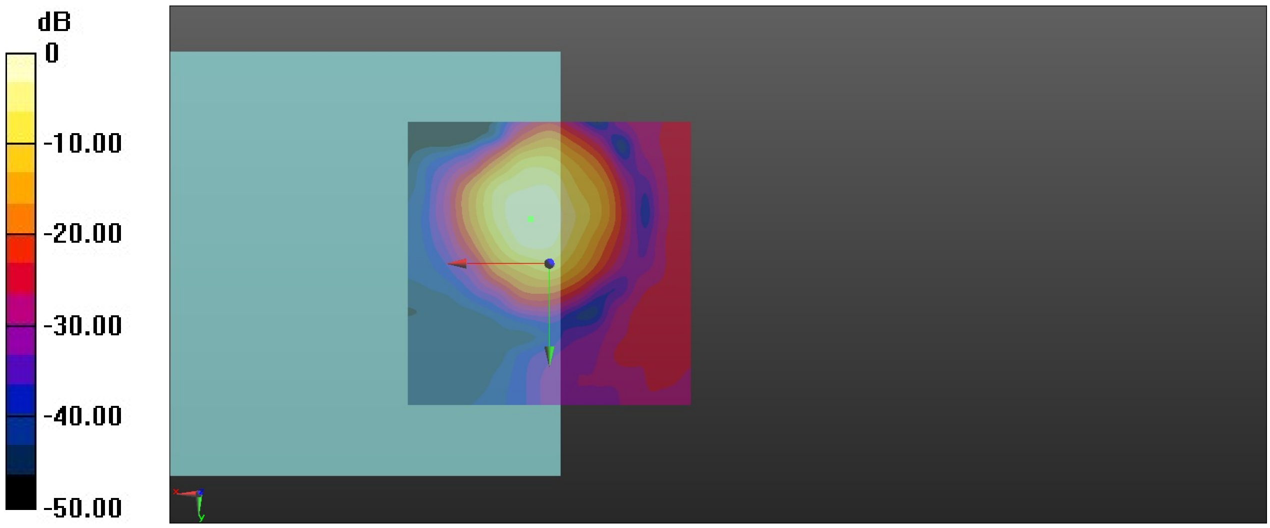
Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.1

10_HAC_T-Coil_LTE Band 14_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23330 (Z)

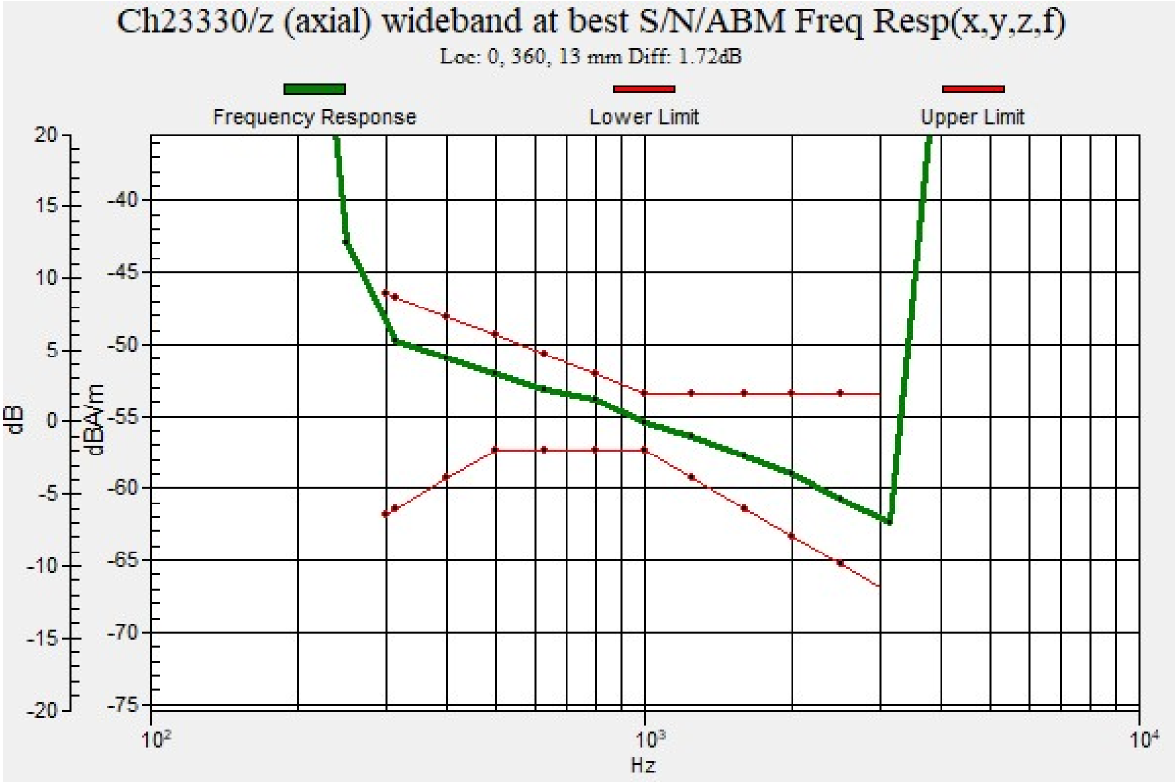
Communication System: UID 0, LTE-FDD (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 °C

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23330/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 42.10 dB
ABM1 comp = -1.13 dBA/m
BWC Factor = 0.15 dB
Location: 3.3, -7.9, 3.7 mm



0 dB = 127.4 = 42.10 dB



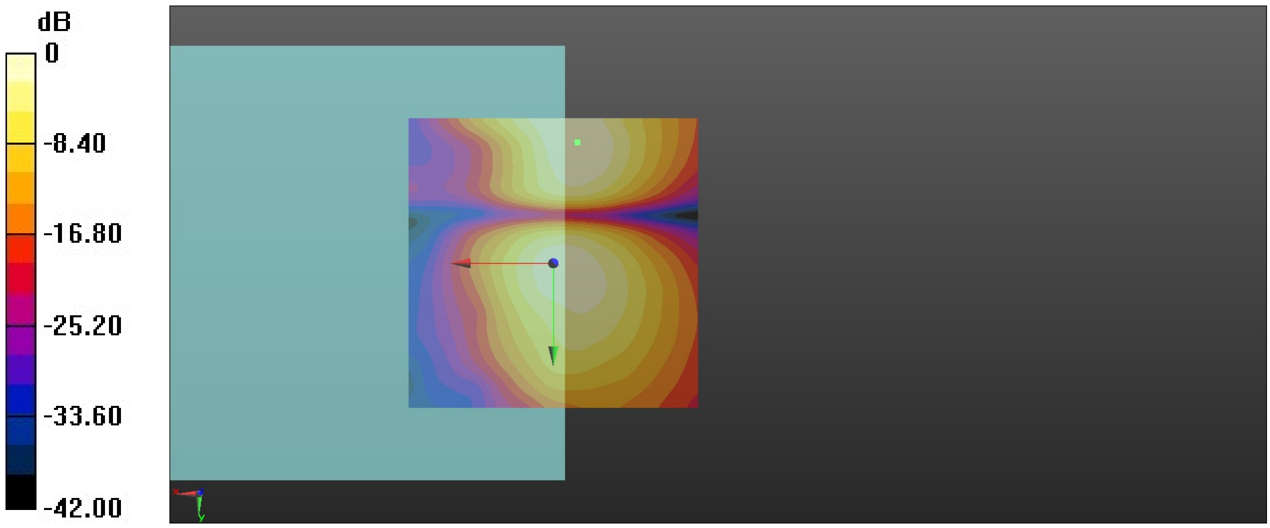
Ch23330/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, 360, 13 mm Diff: 1.72dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

10_HAC_T-Coil_LTE Band 14_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23330 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23330/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 36.70 dB
ABM1 comp = -15.76 dBA/m
BWC Factor = 0.15 dB
Location: -4.2, -20.8, 3.7 mm



0 dB = 68.39 = 36.70 dB

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.2

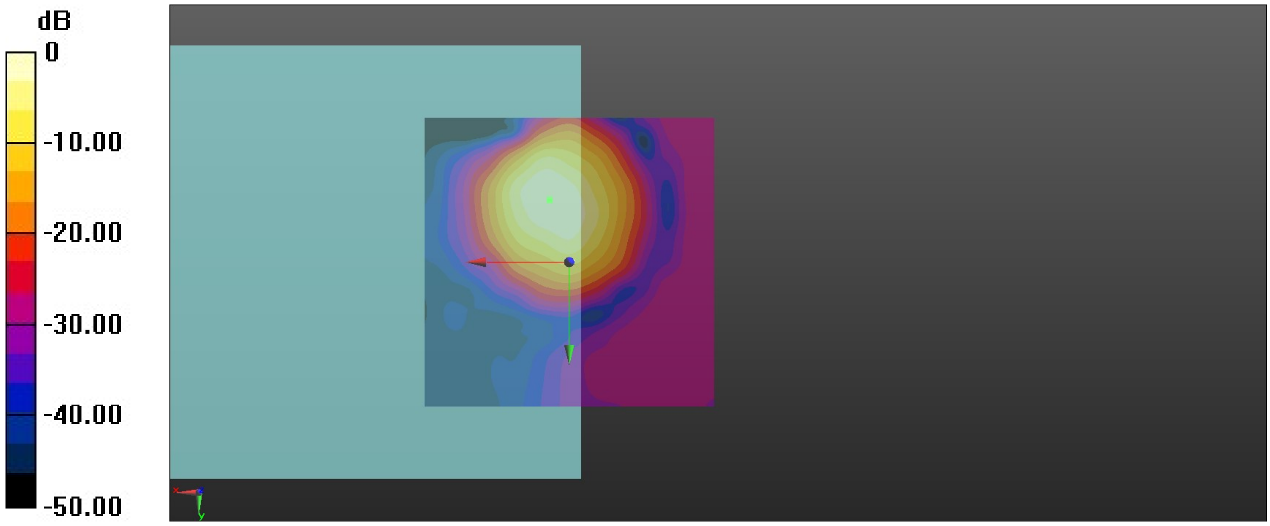
11_HAC_T-Coil_LTE Band 30_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch27710 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

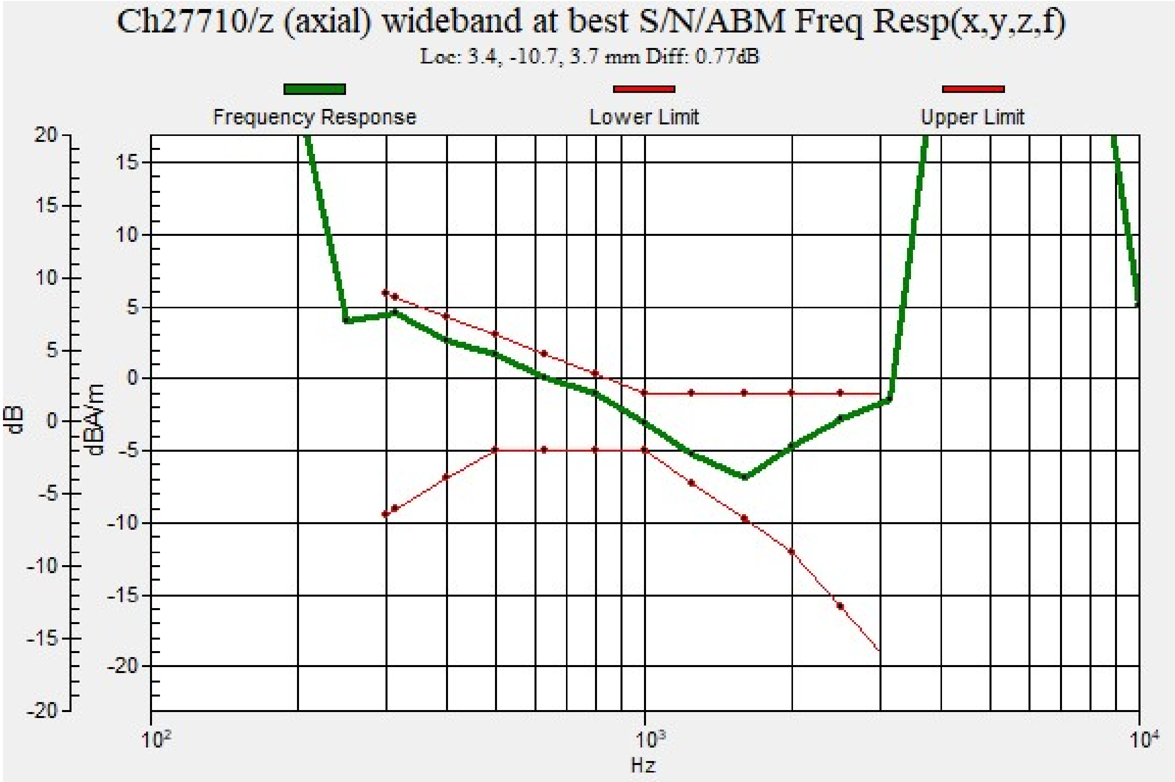
DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 42.25 dB
ABM1 comp = -1.35 dBA/m
BWC Factor = 0.15 dB
Location: 3.3, -10.8, 3.7 mm



0 dB = 129.5 = 42.25 dB



Ch27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 3.4, -10.7, 3.7 mm Diff: 0.77dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

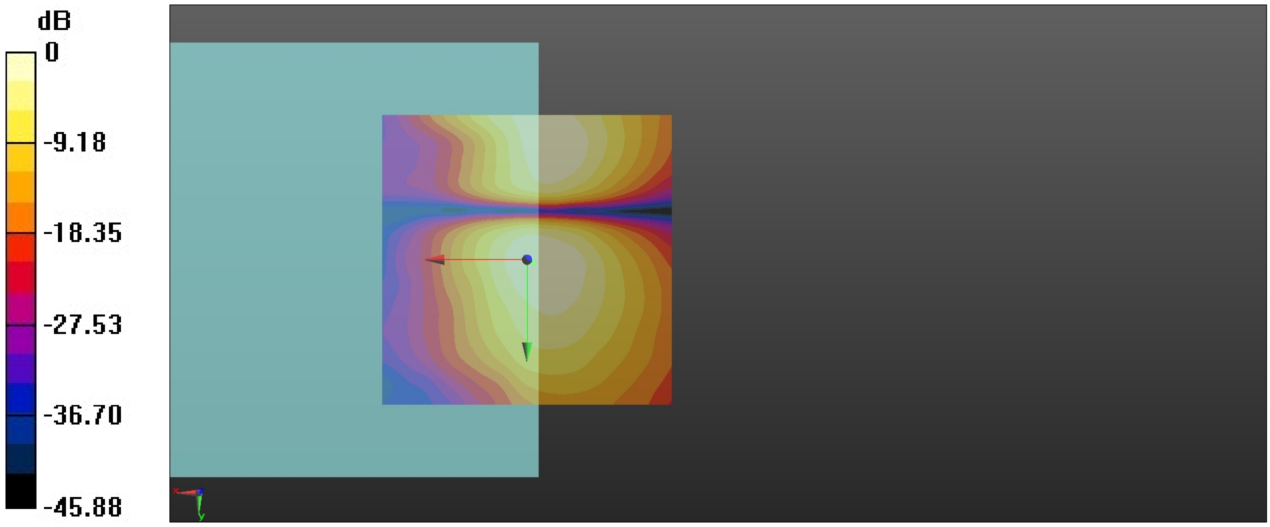
Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab   Date: 2020.9.2

11_HAC_T-Coil_LTE Band 30_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch27710 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 36.49 dB
ABM1 comp = -12.07 dBA/m
BWC Factor = 0.15 dB
Location: -0.8, 0.4, 3.7 mm



0 dB = 66.73 = 36.49 dB

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.1

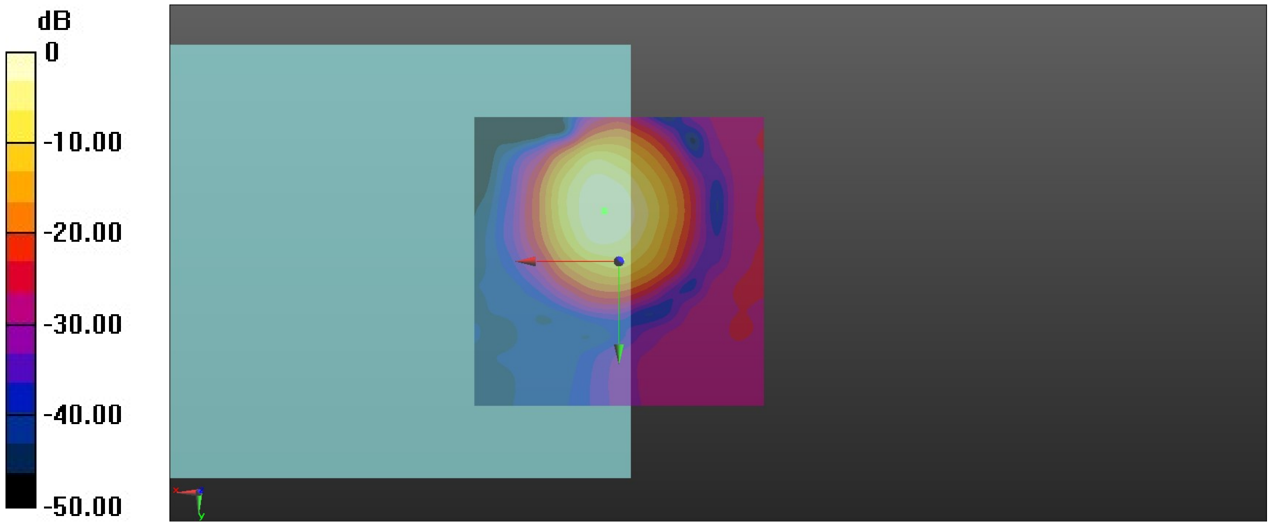
12_HAC_T-Coil_LTE Band 66_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch132322 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

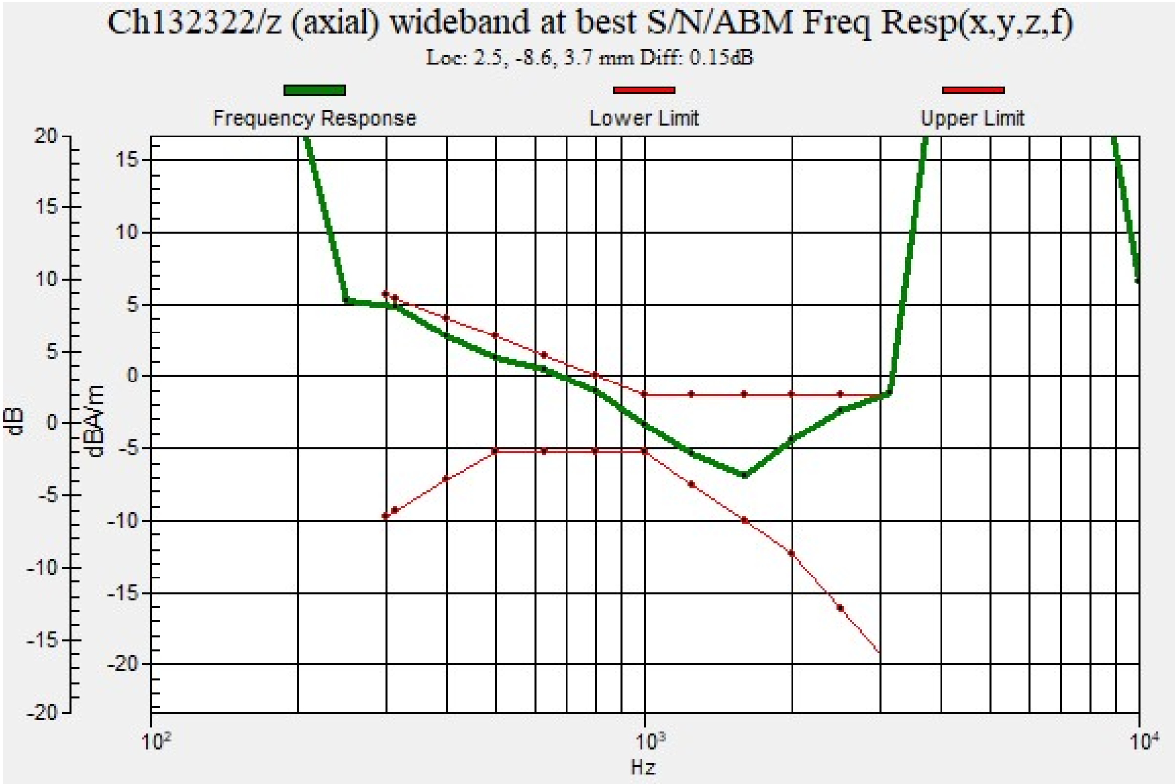
DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch132322/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 41.50 dB
ABM1 comp = -1.14 dBA/m
BWC Factor = 0.15 dB
Location: 2.5, -8.8, 3.7 mm



0 dB = 118.8 = 41.50 dB



Ch132322/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 2.5, -8.6, 3.7 mm Diff: 0.15dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

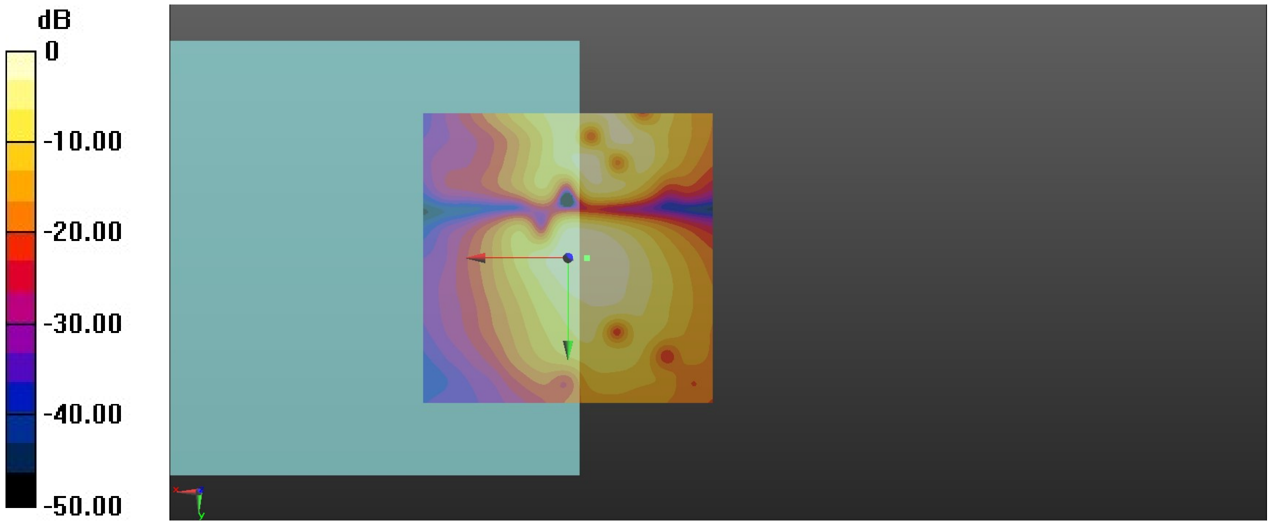
Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2020.9.1

12_HAC_T-Coil_LTE Band 66_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch132322 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch132322/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 36.56 dB
ABM1 comp = -13.22 dBA/m
BWC Factor = 0.15 dB
Location: -3.3, 0, 3.7 mm



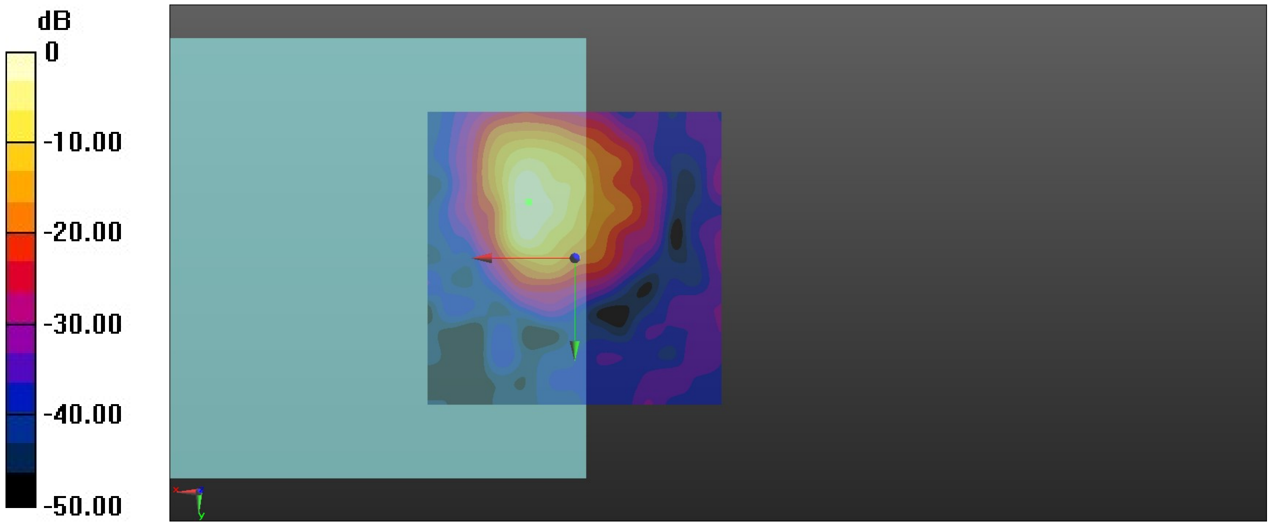
0 dB = 67.30 = 36.56 dB

13_HAC_T-Coil_WLAN2.4GHz_802.11g 6Mbps_Ch6 EVS WB 128Kbps (Z)

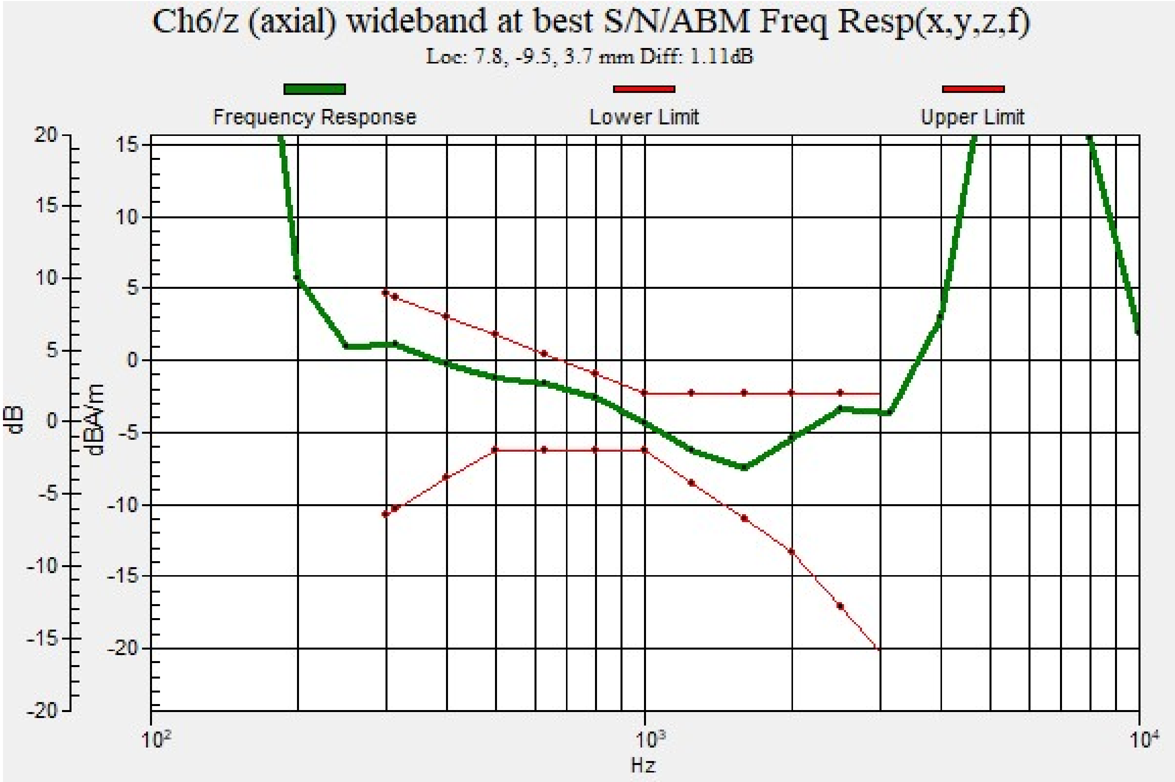
Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz;Duty Cycle: 1:1.0292
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 37.99 dB
ABM1 comp = -4.78 dBA/m
BWC Factor = 0.15 dB
Location: 7.9, -9.6, 3.7 mm



0 dB = 79.35 = 37.99 dB



Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 7.8, -9.5, 3.7 mm Diff: 1.11dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab   Date: 2020.9.5

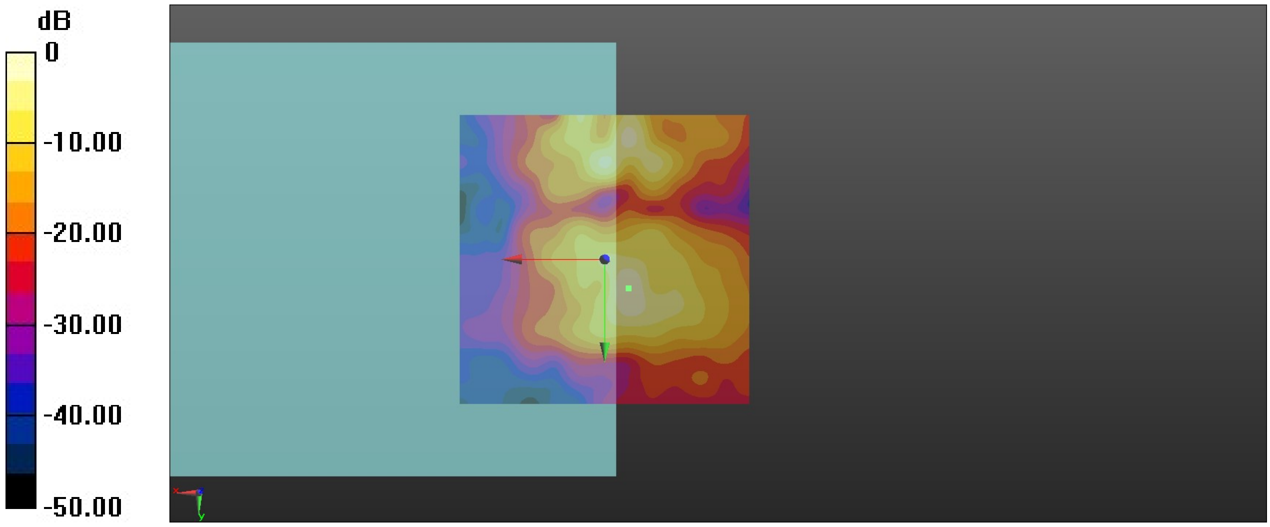
13_HAC_T-Coil_WLAN2.4GHz_802.11g 6Mbps_Ch6 EVS WB 128Kbps (Y)

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz;Duty Cycle: 1:1.0292
Medium: Air Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch6/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 35.95 dB
ABM1 comp = -16.58 dBA/m
BWC Factor = 0.15 dB
Location: -4.2, 5, 3.7 mm



0 dB = 62.75 = 35.95 dB