Annex C Plots of T-Coil Test Results

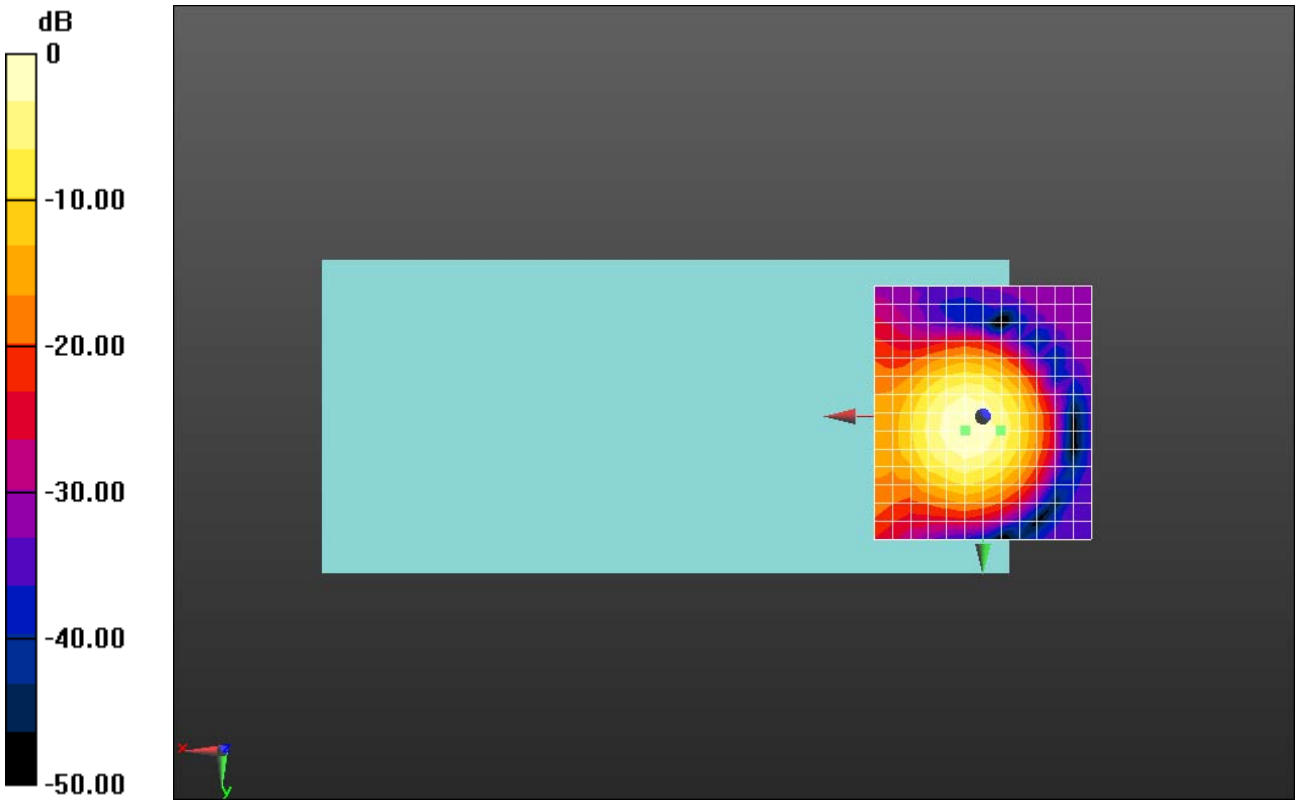
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_GSM850_GSM Voice_Ch189_Z

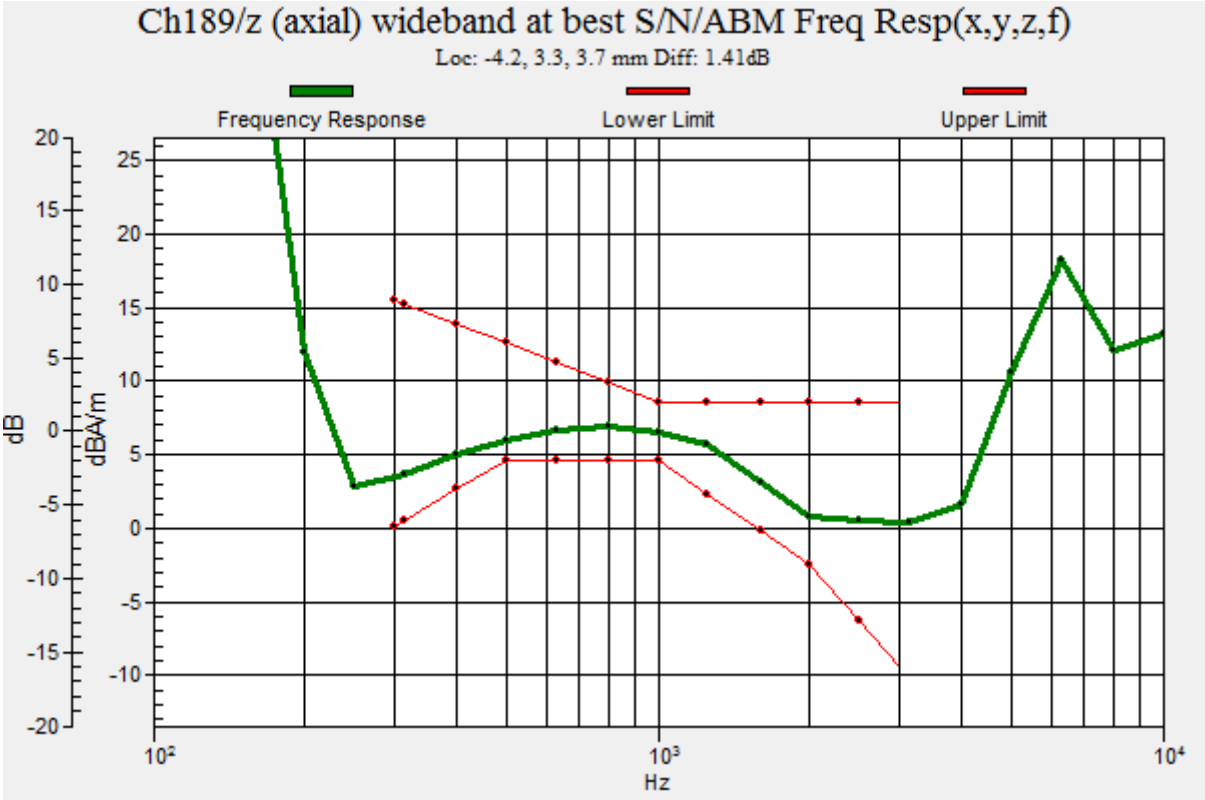
Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 46.83 dB
ABM1 comp = 7.44 dBA/m
BWC Factor = 0.18 dB
Location: -4.2, 3.3, 3.7 mm



0 dB = 219.5 = 46.83 dB


Ch189/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -4.2, 3.3, 3.7 mm Diff: 1.41dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

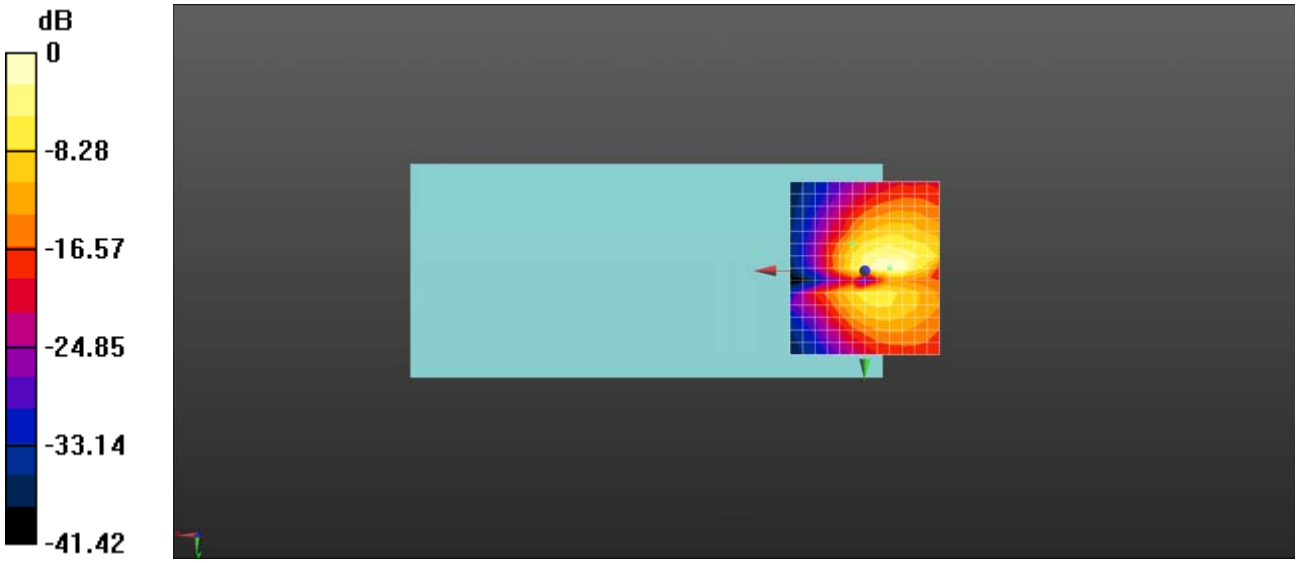
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_GSM850_GSM Voice_Ch189_Y

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 34.14 dB
ABM1 comp = -8.33 dBA/m
BWC Factor = 0.18 dB
Location: -8.3, -0.8, 3.7 mm



0 dB = 50.92 = 34.14 dB

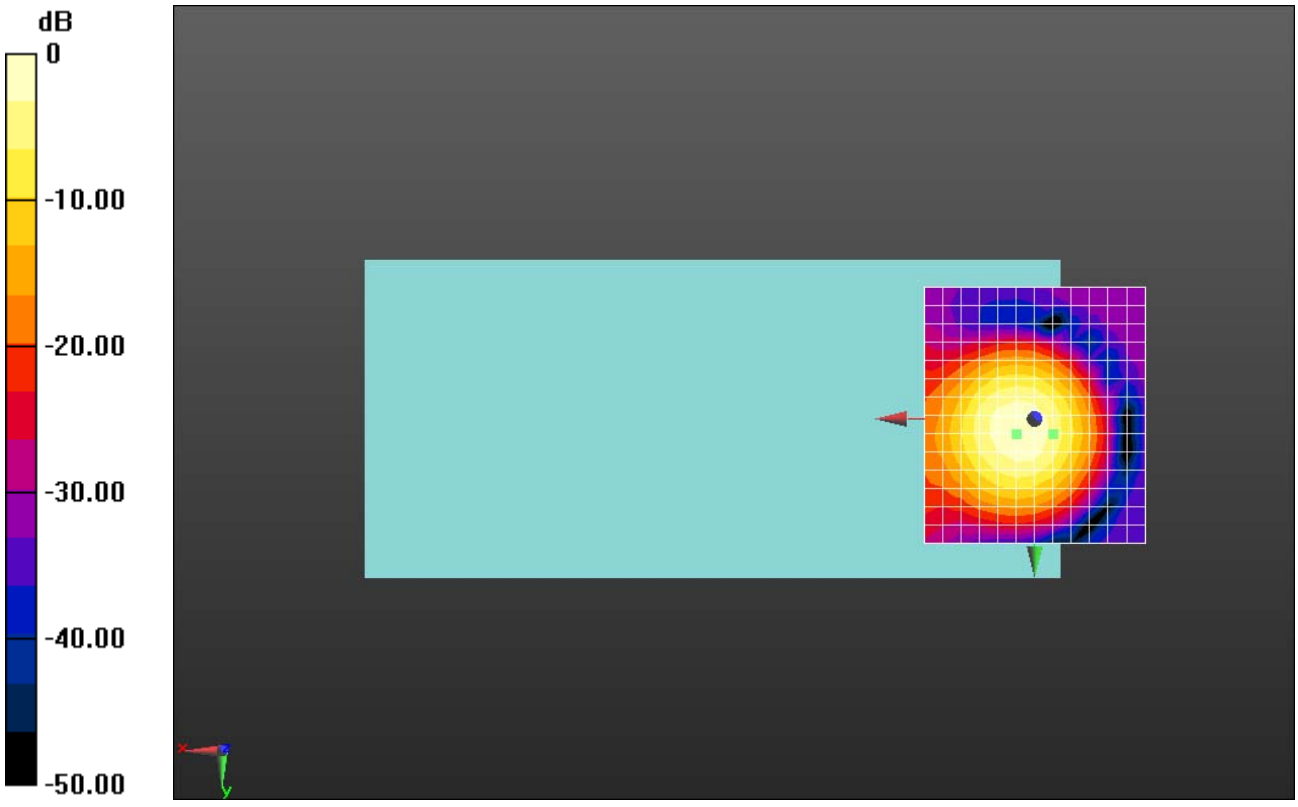
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date:2023.06.29

HAC_T-Coil_GSM1900_GSM Voice_Ch661_Z

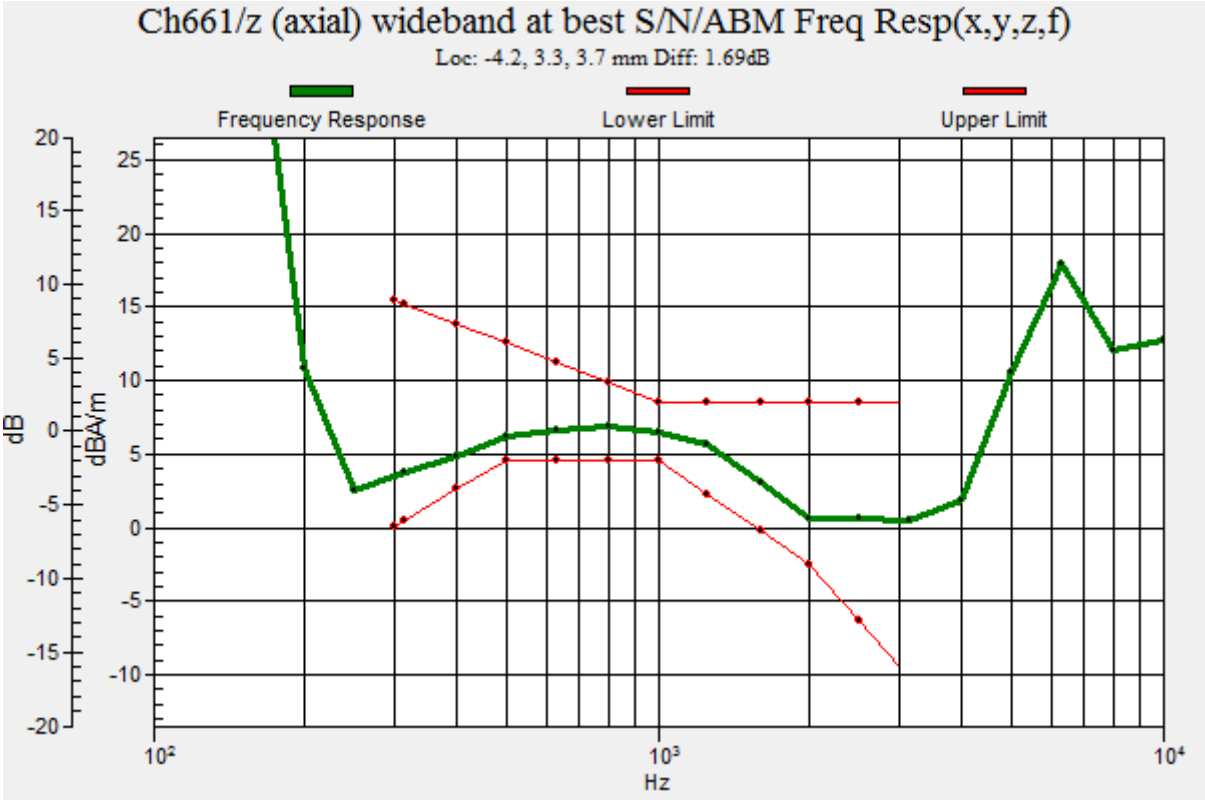
Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 51.18 dB
ABM1 comp = 6.79 dBA/m
BWC Factor = 0.18 dB
Location: -4.2, 3.3, 3.7 mm



0 dB = 362.1 = 51.18 dB


Ch661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -4.2, 3.3, 3.7 mm Diff: 1.69dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

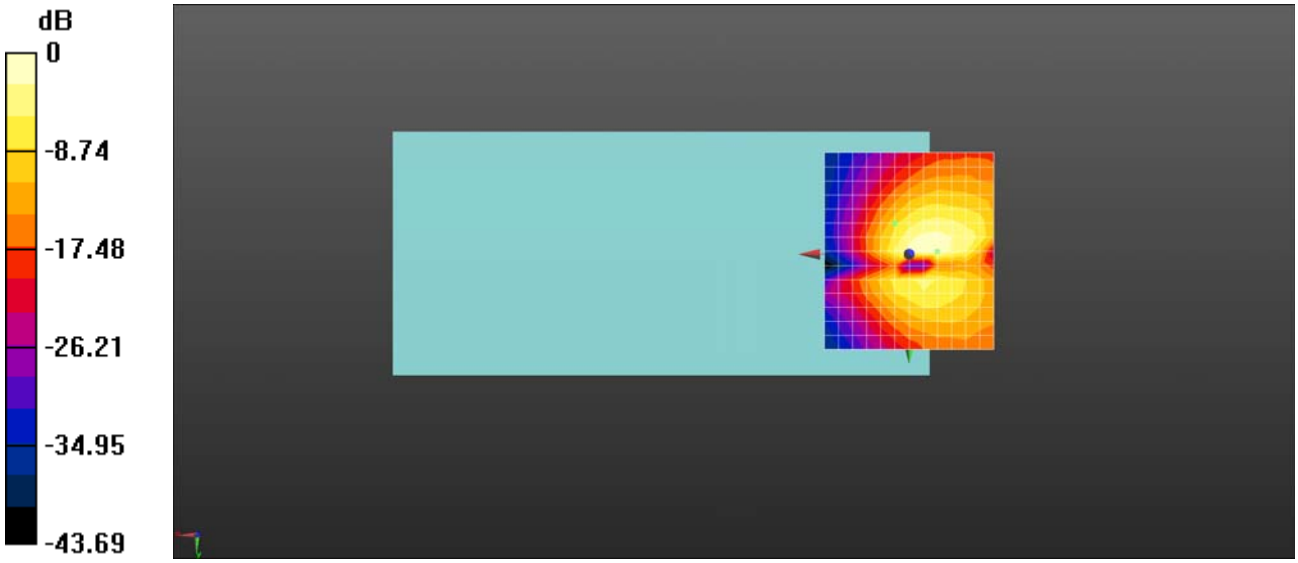
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_GSM1900_GSM Voice_Ch661_Y

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 37.56 dB
ABM1 comp = -8.14 dBA/m
BWC Factor = 0.18 dB
Location: -8.3, -0.8, 3.7 mm



0 dB = 75.50 = 37.56 dB

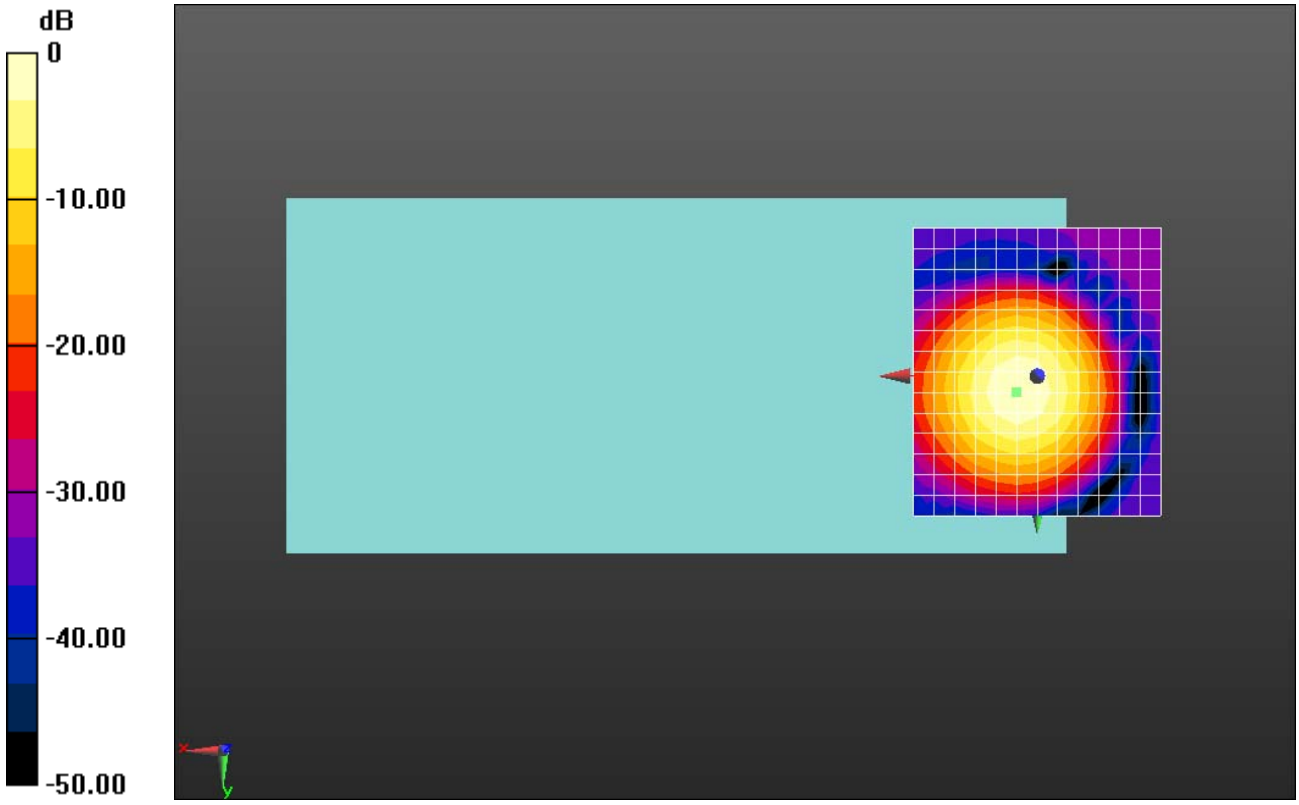
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_WCDMA Band II_AMR 12.12Kbps_Ch9400_Z

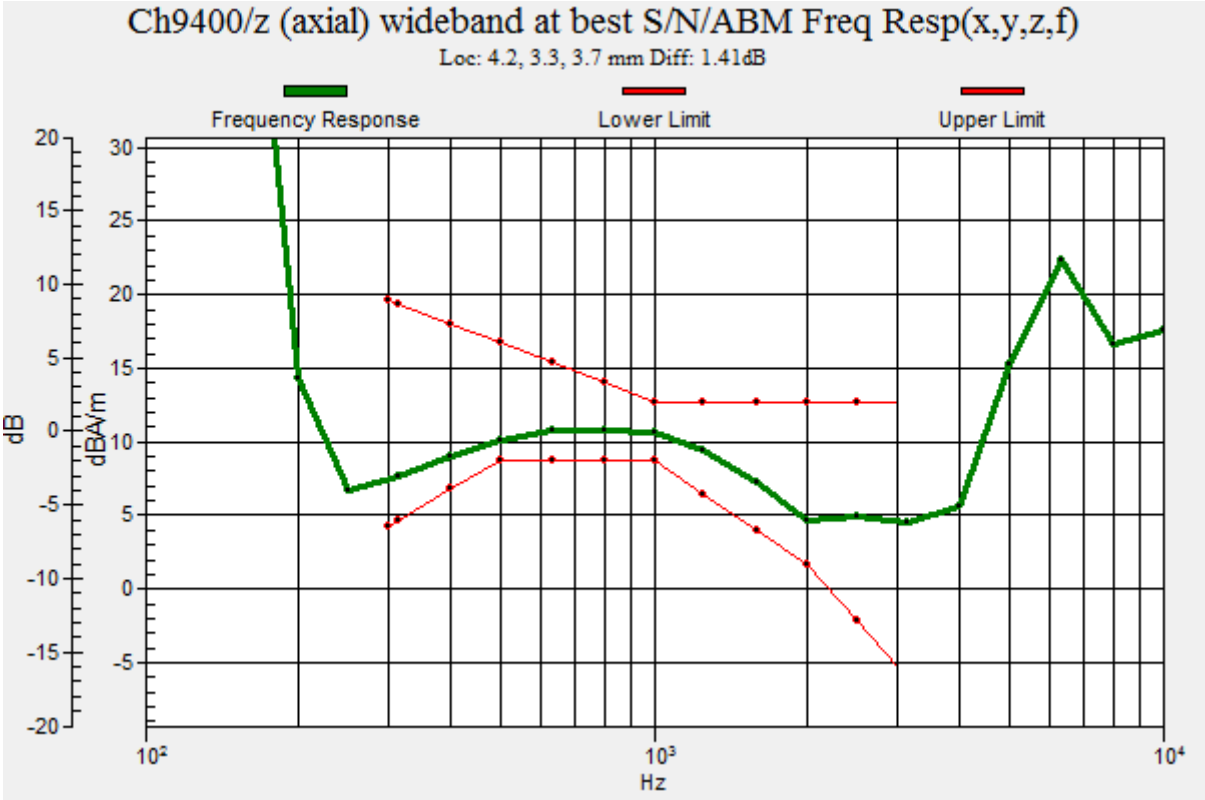
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz;Duty Cycle: 1:1.95434
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 61.75 dB
ABM1 comp = 12.36 dBA/m
BWC Factor = 0.18 dB
Location: 4.2, 3.3, 3.7 mm



0 dB = 1223 = 61.75 dB


Ch9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 4.2, 3.3, 3.7 mm Diff: 1.41dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
30
25
20
15
10
5
0
-5
10²
10³
10⁴

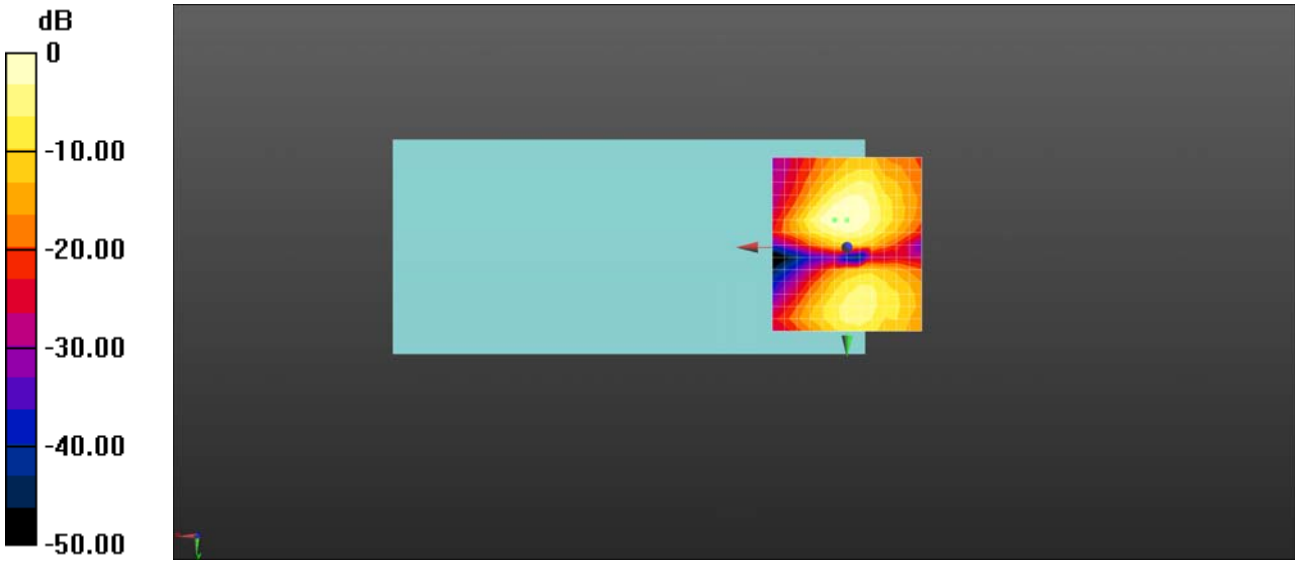
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_WCDMA Band II_AMR 12.12Kbps_Ch9400_Y

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz;Duty Cycle: 1:1.95434
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 53.79 dB
ABM1 comp = 4.14 dBA/m
BWC Factor = 0.18 dB
Location: 0, -9.2, 3.7 mm



0 dB = 489.1 = 53.79 dB

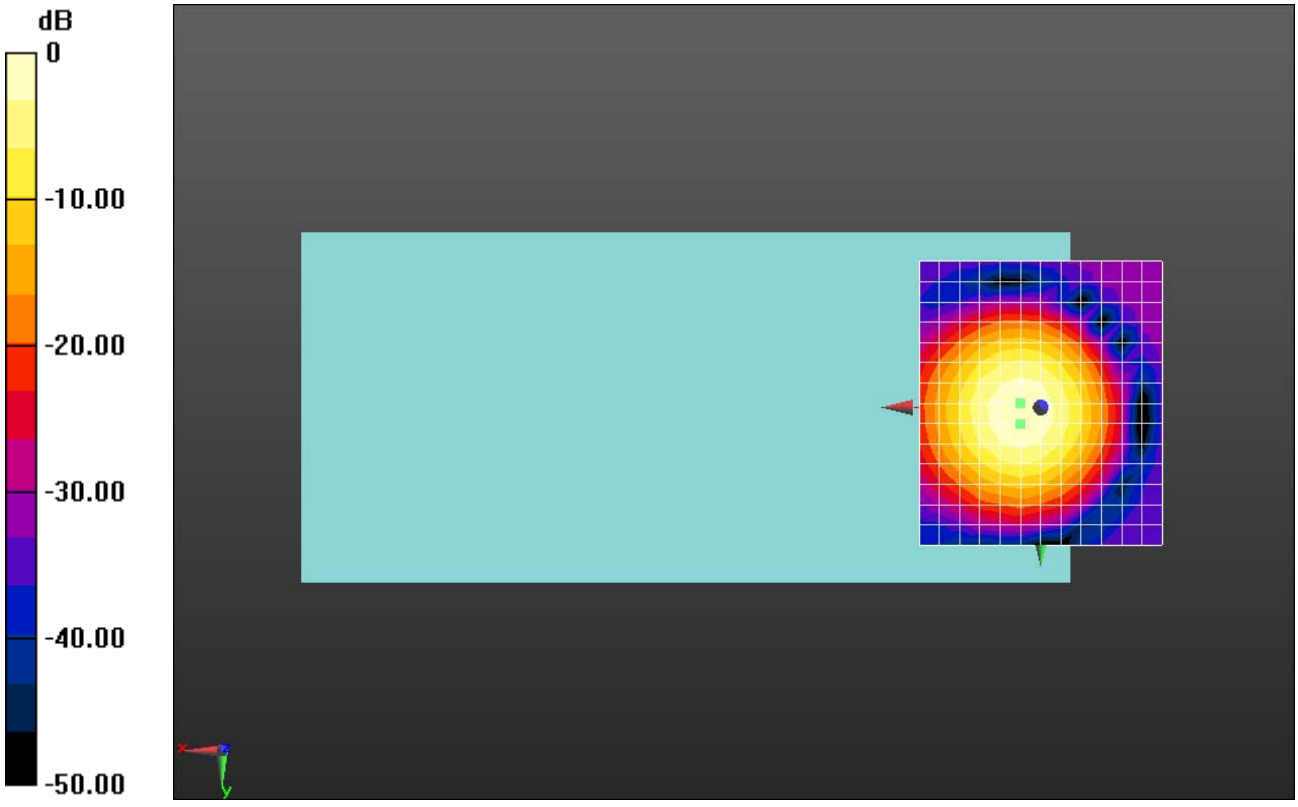
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_WCDMA Band IV_AMR 12.12Kbps_Ch1413_Z

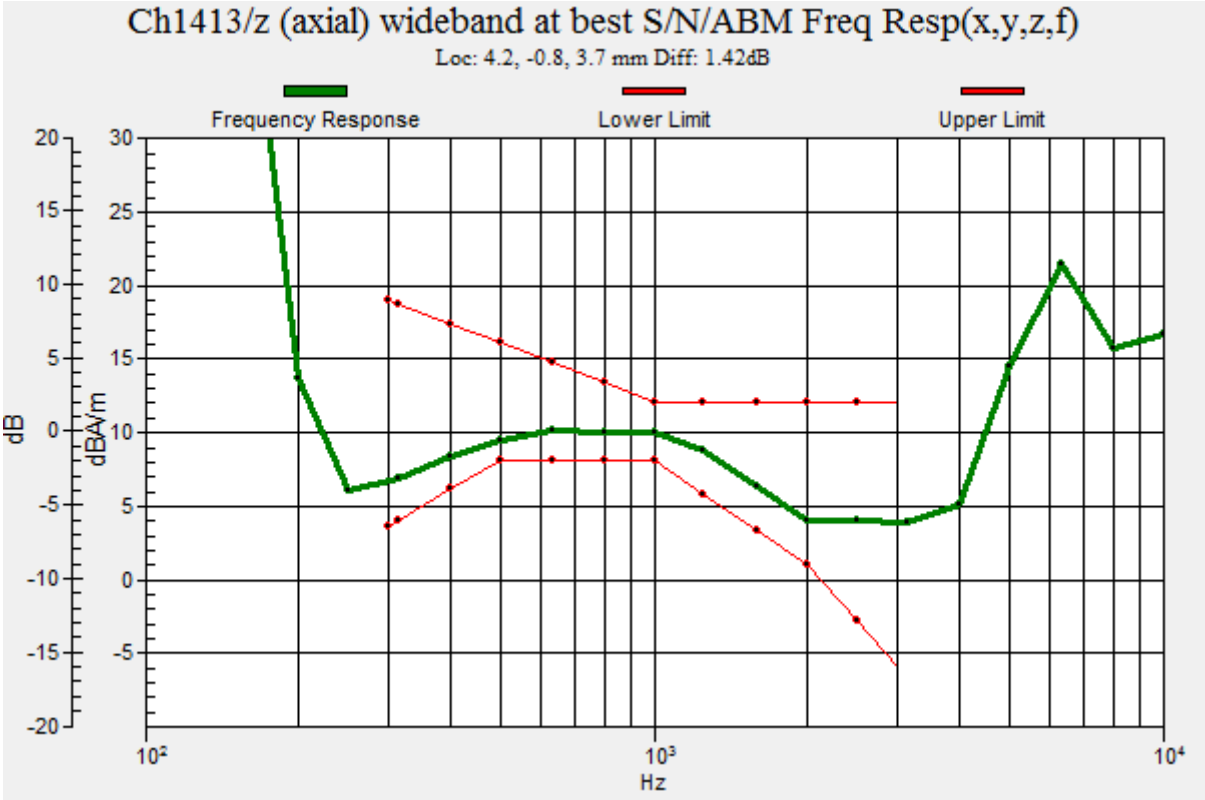
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.4 MHz;Duty Cycle: 1:1.95434
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 61.84 dB
ABM1 comp = 10.86 dBA/m
BWC Factor = 0.18 dB
Location: 4.2, -0.8, 3.7 mm



0 dB = 1236 = 61.84 dB


Ch1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 4.2, -0.8, 3.7 mm Diff: 1.42dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
30
25
20
15
10
5
0
-5
10^2
10^3
10^4

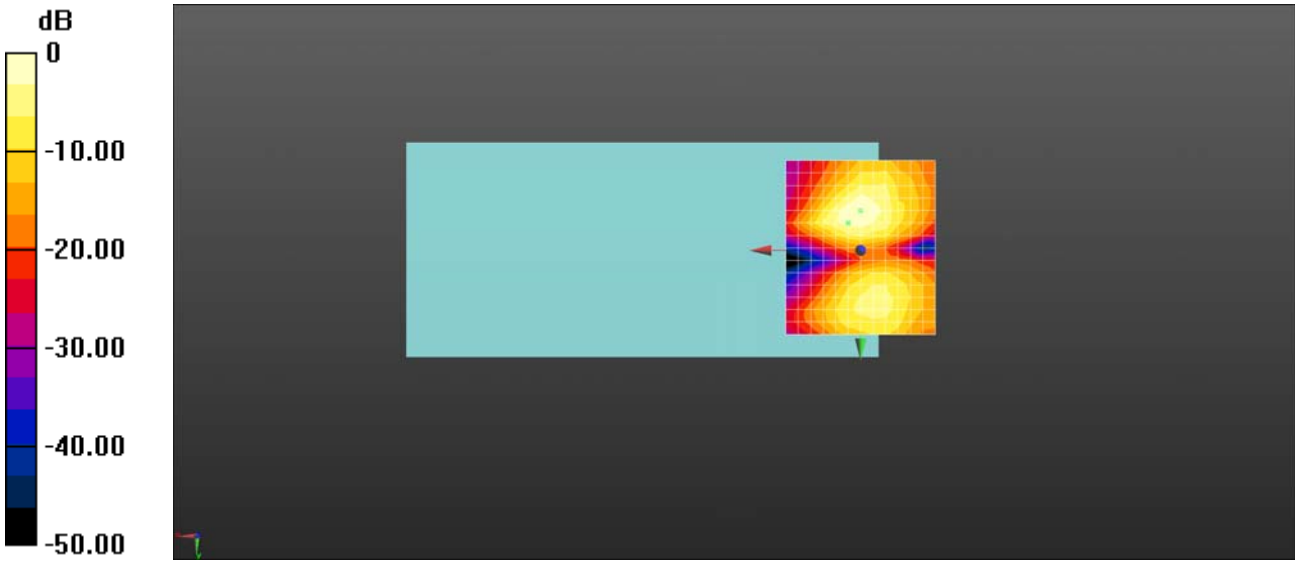
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_WCDMA Band IV_AMR 12.12Kbps_Ch1413_Y

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1732.4 MHz;Duty Cycle: 1:1.95434
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 53.70 dB
ABM1 comp = 2.35 dBA/m
BWC Factor = 0.18 dB
Location: 0, -13.3, 3.7 mm



0 dB = 484.2 = 53.70 dB

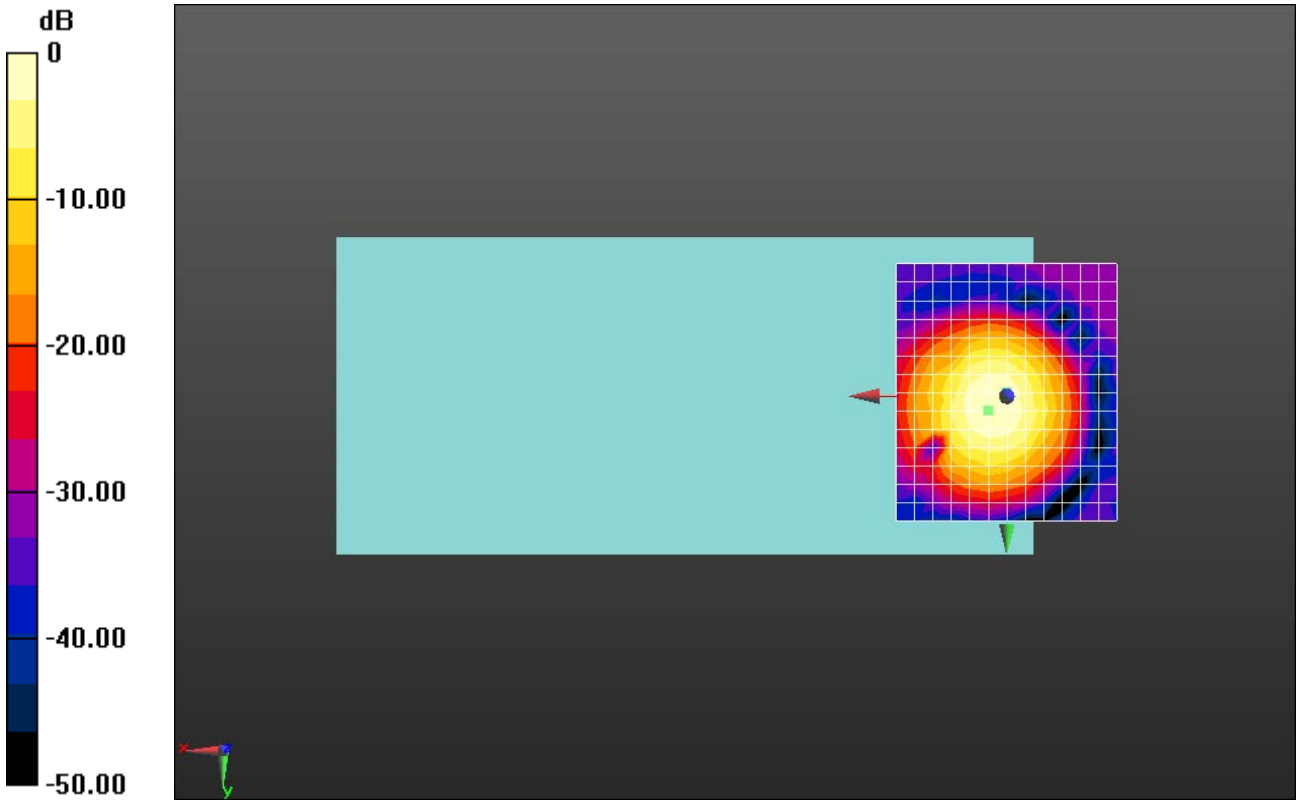
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date:2023.06.29

HAC_T-Coil_WCDMA Band V_AMR 12.12Kbps_Ch4182_Z

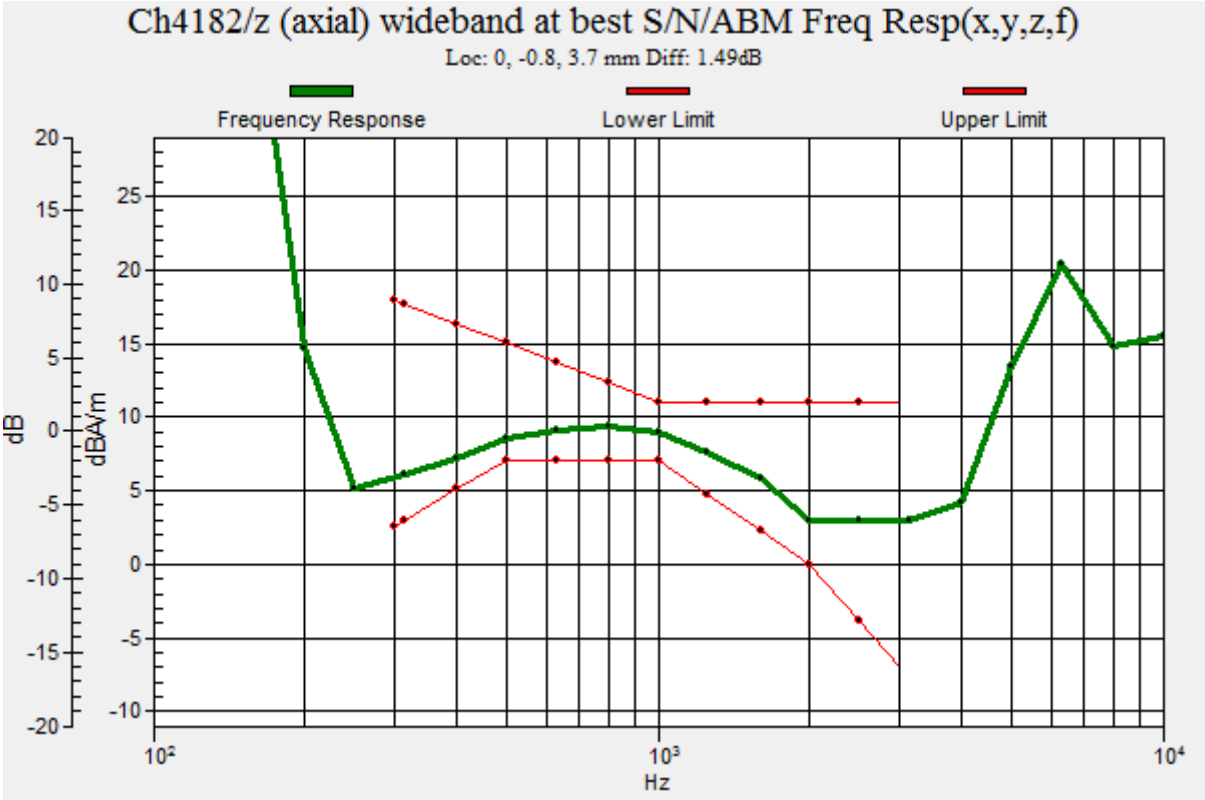
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz;Duty Cycle: 1:1.95434
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 60.93 dB
ABM1 comp = 10.06 dBA/m
BWC Factor = 0.18 dB
Location: 0, -0.8, 3.7 mm



0 dB = 1114 = 60.94 dB


Ch4182/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.49dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

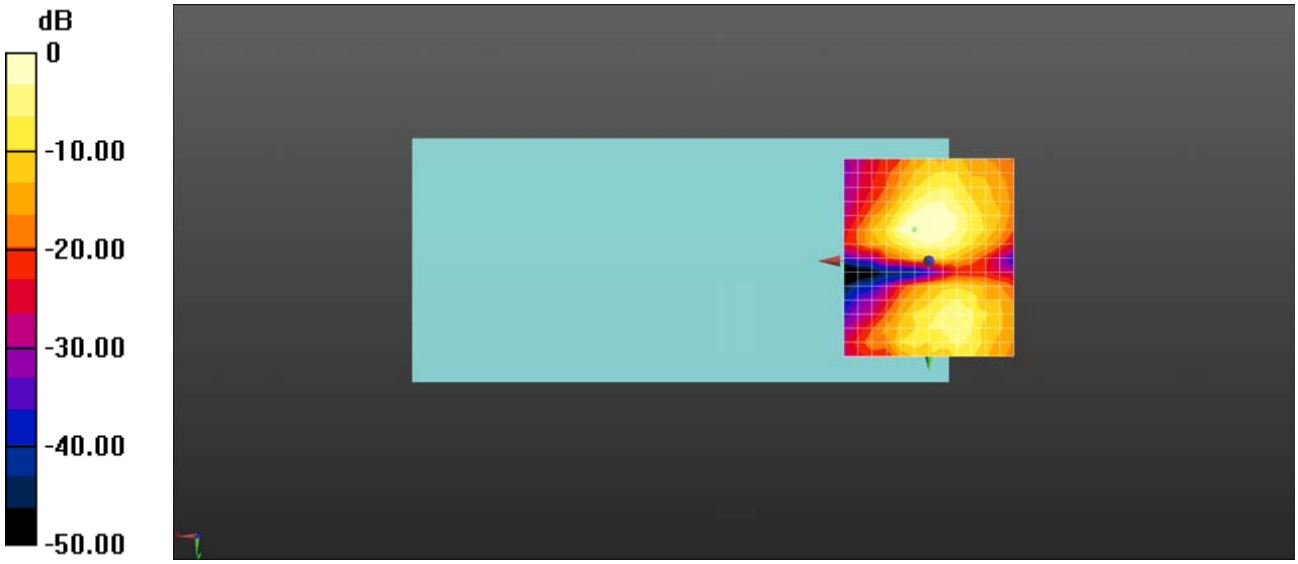
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_WCDMA Band V_AMR 12.12Kbps_Ch4182_Y

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz;Duty Cycle: 1:1.95434
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 53.28 dB
ABM1 comp = 3.55 dBA/m
BWC Factor = 0.18 dB
Location: 4.2, -9.2, 3.7 mm



0 dB = 461.6 = 53.29 dB

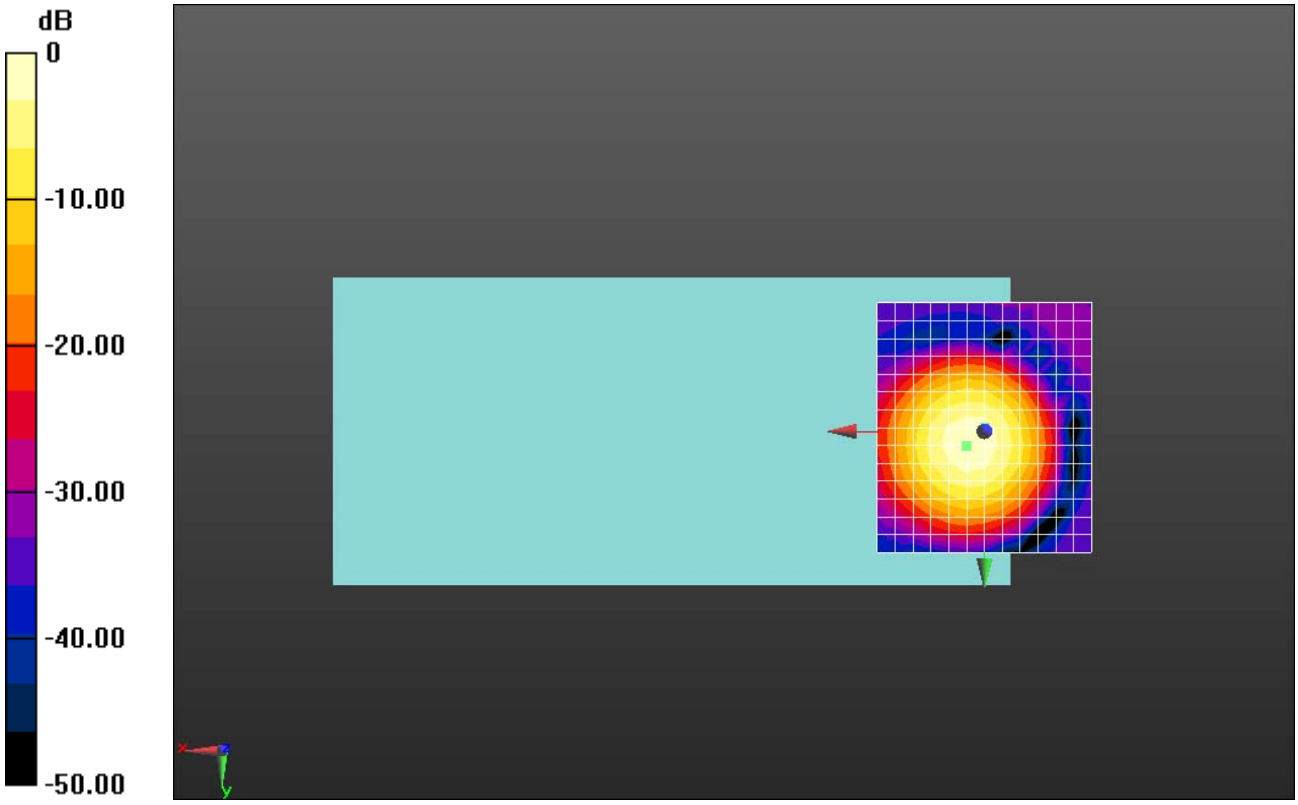
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 2_20M_QPSK_1RB_0offset_12.2Kbps_Ch18900_Z

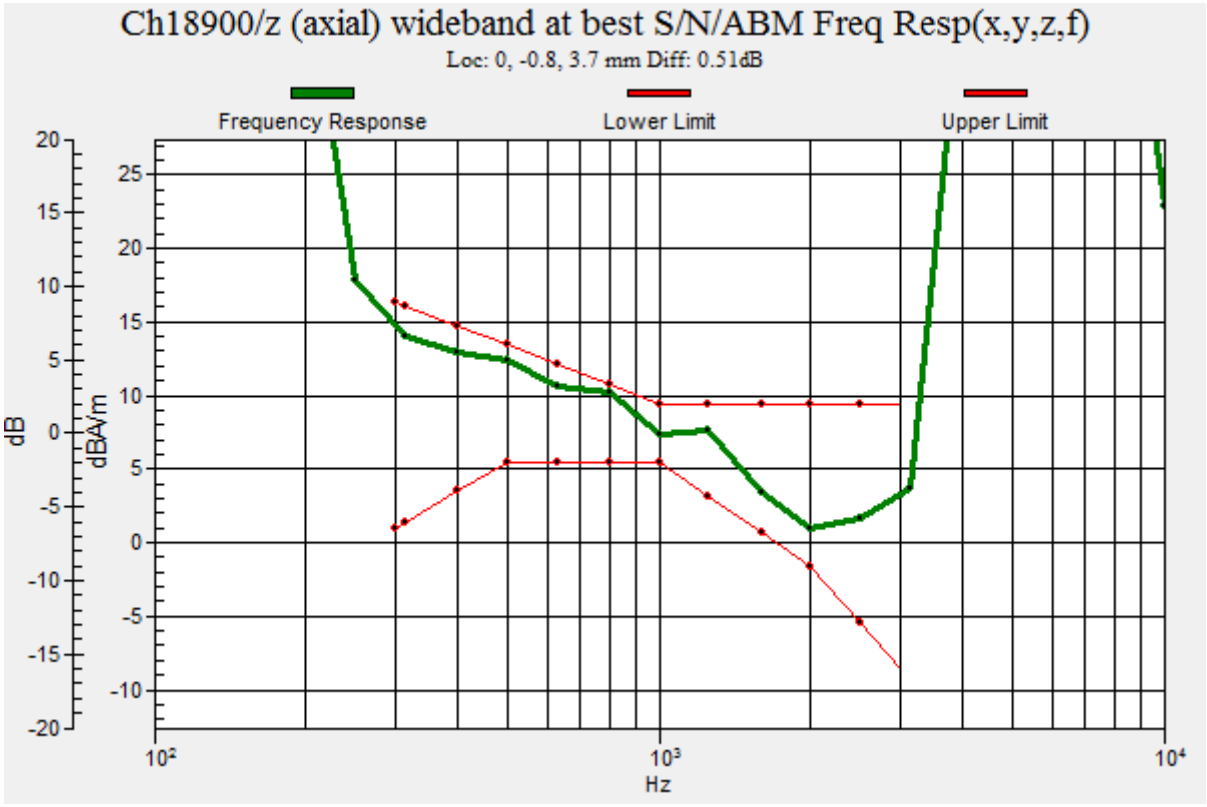
Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
Frequency: 1880 MHz;Duty Cycle: 1:3.74111
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

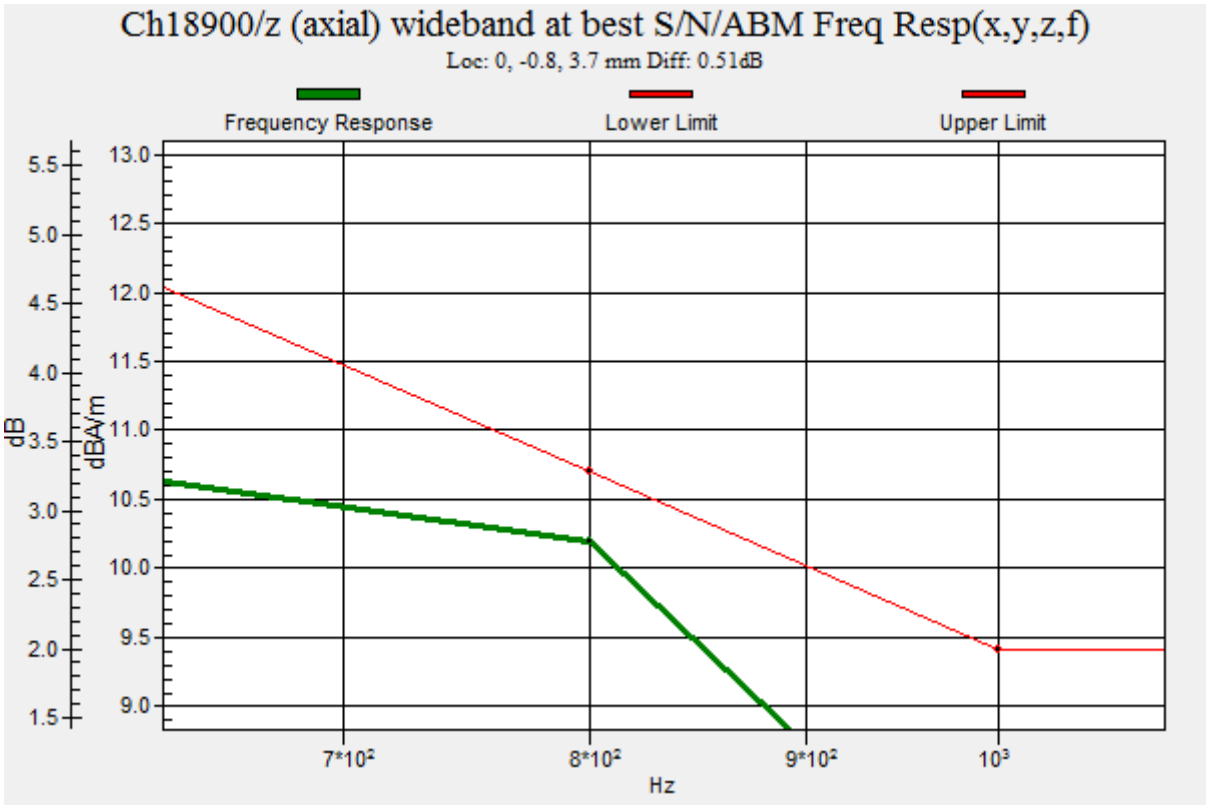
DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 57.56 dB
ABM1 comp = 10.81 dBA/m
BWC Factor = 0.18 dB
Location: 0, -0.8, 3.7 mm



0 dB = 755.0 = 57.56 dB


Ch18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 0.51dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
10²
10³
10⁴


Ch18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 0.51dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
7*10²
8*10²
9*10²
10³

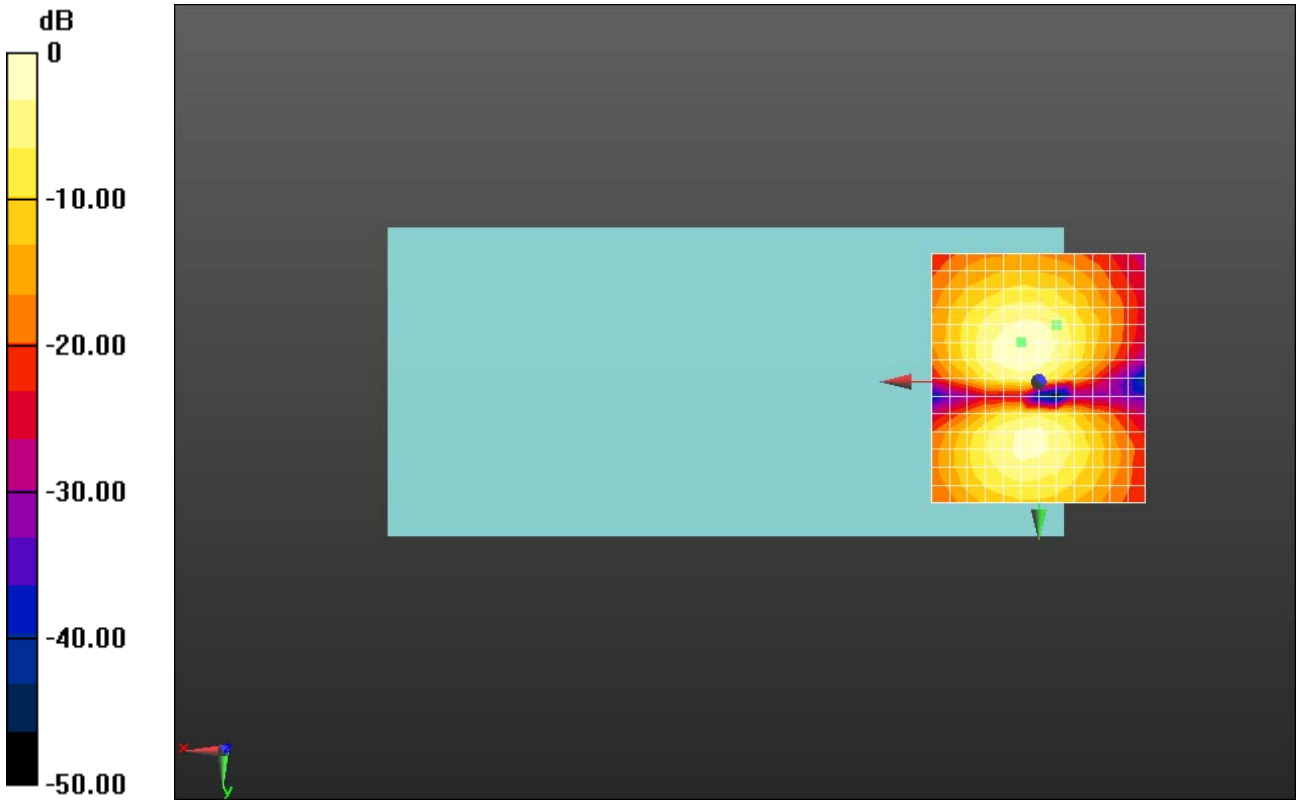
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 2_20M_QPSK_1RB_0offset_12.2Kbps_Ch18900_Y

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 1880 MHz;Duty Cycle: 1:3.74111
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 51.22 dB
ABM1 comp = 1.67 dBA/m
BWC Factor = 0.18 dB
Location: -4.2, -13.3, 3.7 mm



0 dB = 364.0 = 51.22 dB

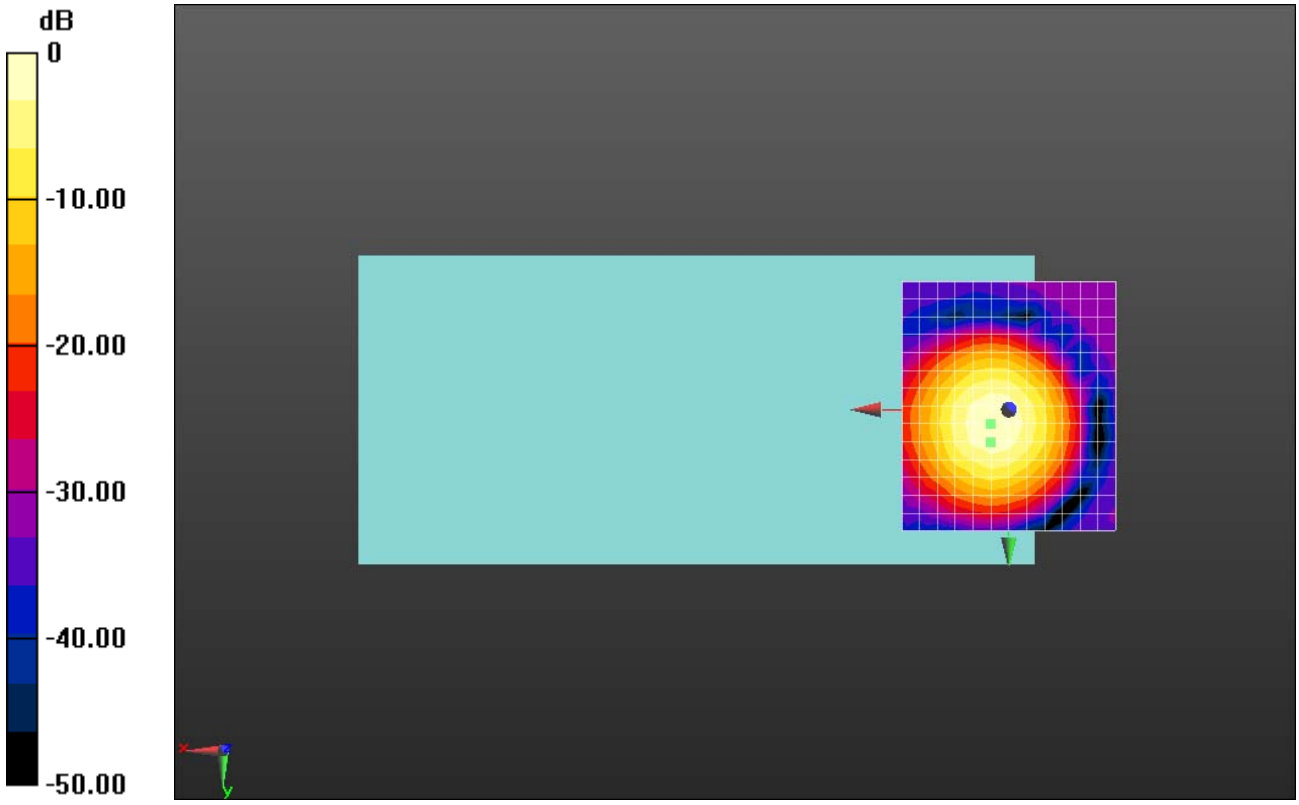
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 4_20M_QPSK_1RB_0offset_12.2Kbps_Ch20175_Z

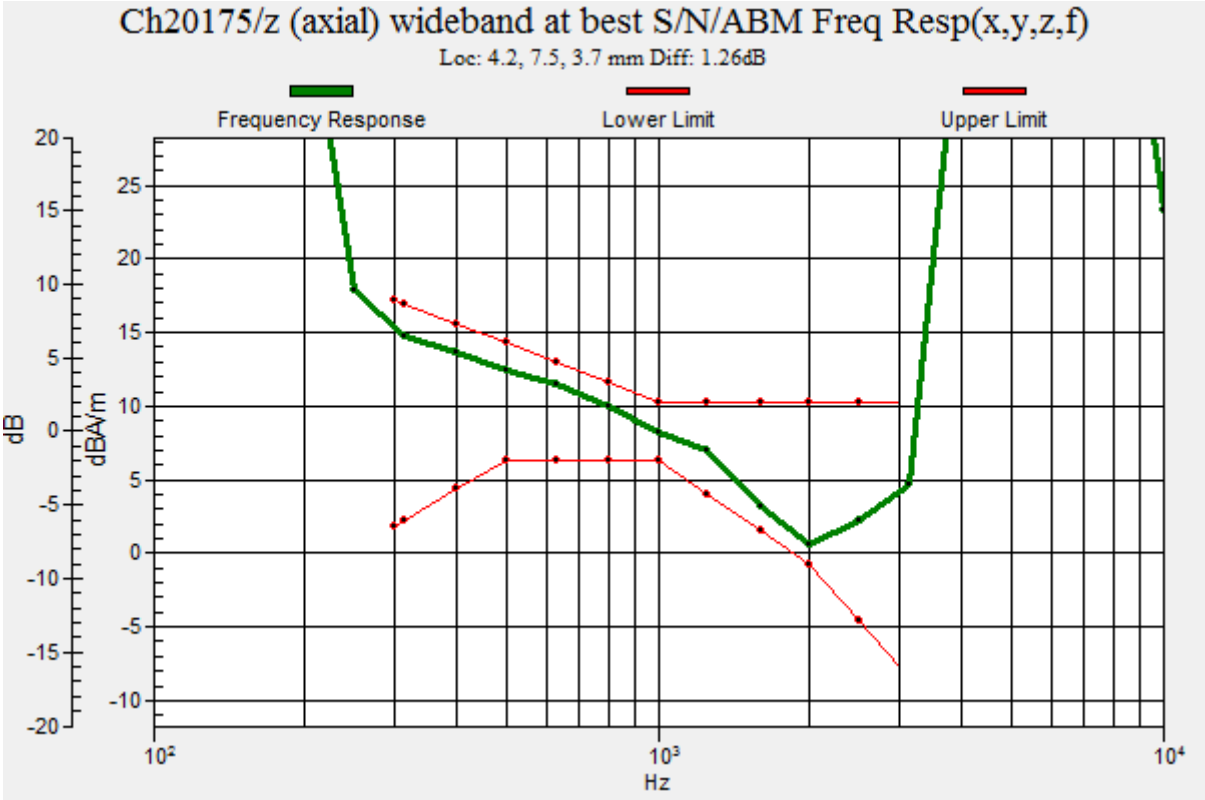
Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
Frequency: 1732.5 MHz;Duty Cycle: 1:3.74111
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 66.65 dB
ABM1 comp = 10.74 dBA/m
BWC Factor = 0.18 dB
Location: 4.2, 7.5, 3.7 mm



0 dB = 2151 = 66.65 dB


Ch20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 4.2, 7.5, 3.7 mm Diff: 1.26dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

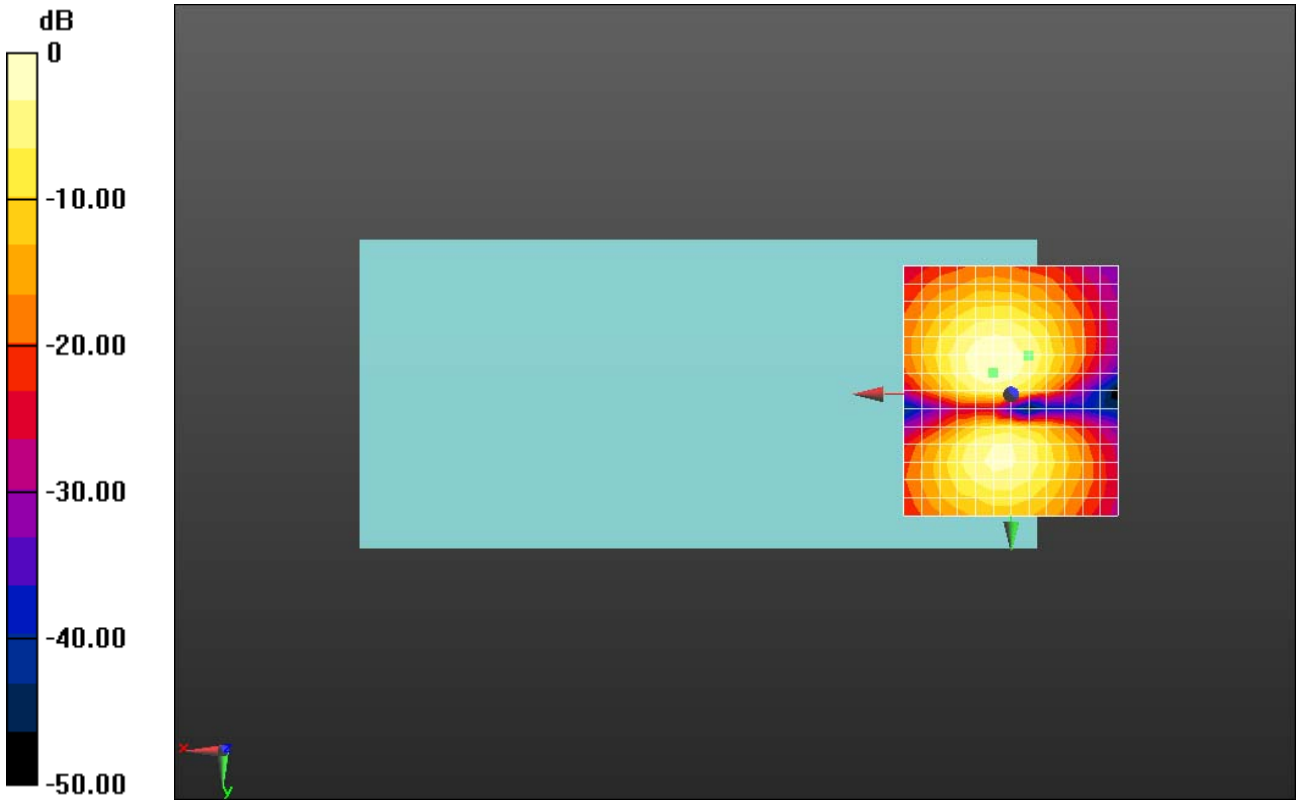
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 4_20M_QPSK_1RB_0offset_12.2Kbps_Ch20175_Y

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
Frequency: 1732.5 MHz;Duty Cycle: 1:3.74111
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 49.73 dB
ABM1 comp = 2.55 dBA/m
BWC Factor = 0.18 dB
Location: -4.2, -9.2, 3.7 mm



0 dB = 306.5 = 49.73 dB

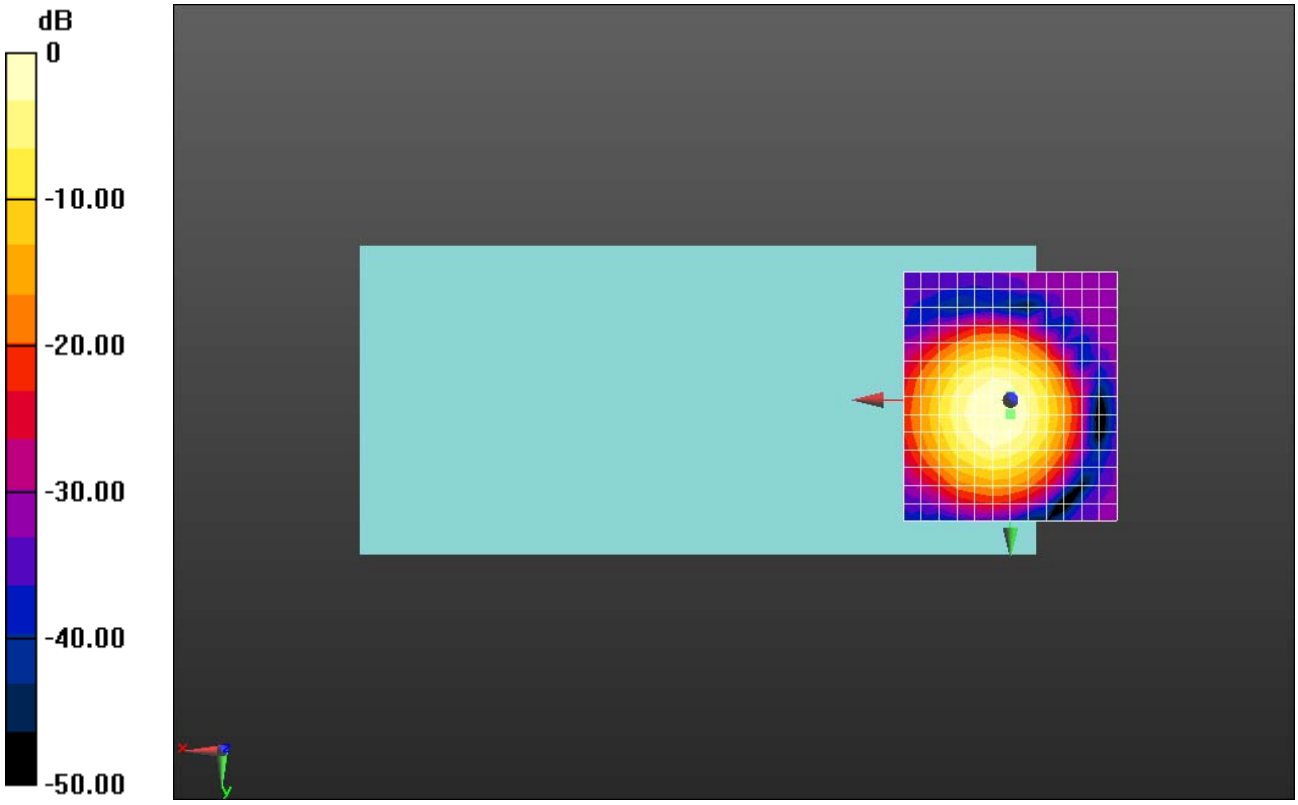
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 5_10M_QPSK_1RB_0offset_12.2Kbps_Ch20525_Z

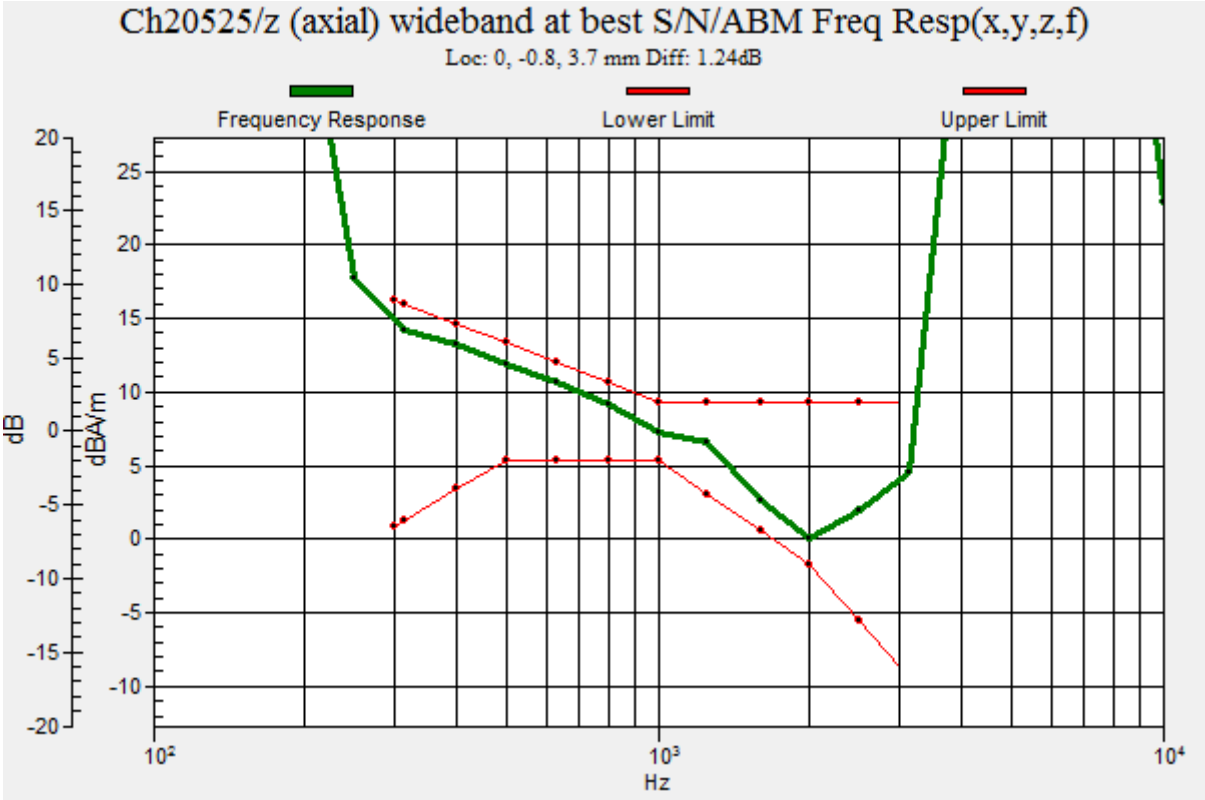
Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 836.5 MHz;Duty Cycle: 1:3.7325
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 56.68 dB
ABM1 comp = 10.04 dBA/m
BWC Factor = 0.18 dB
Location: 0, -0.8, 3.7 mm



0 dB = 682.5 = 56.68 dB


Ch20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.24dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

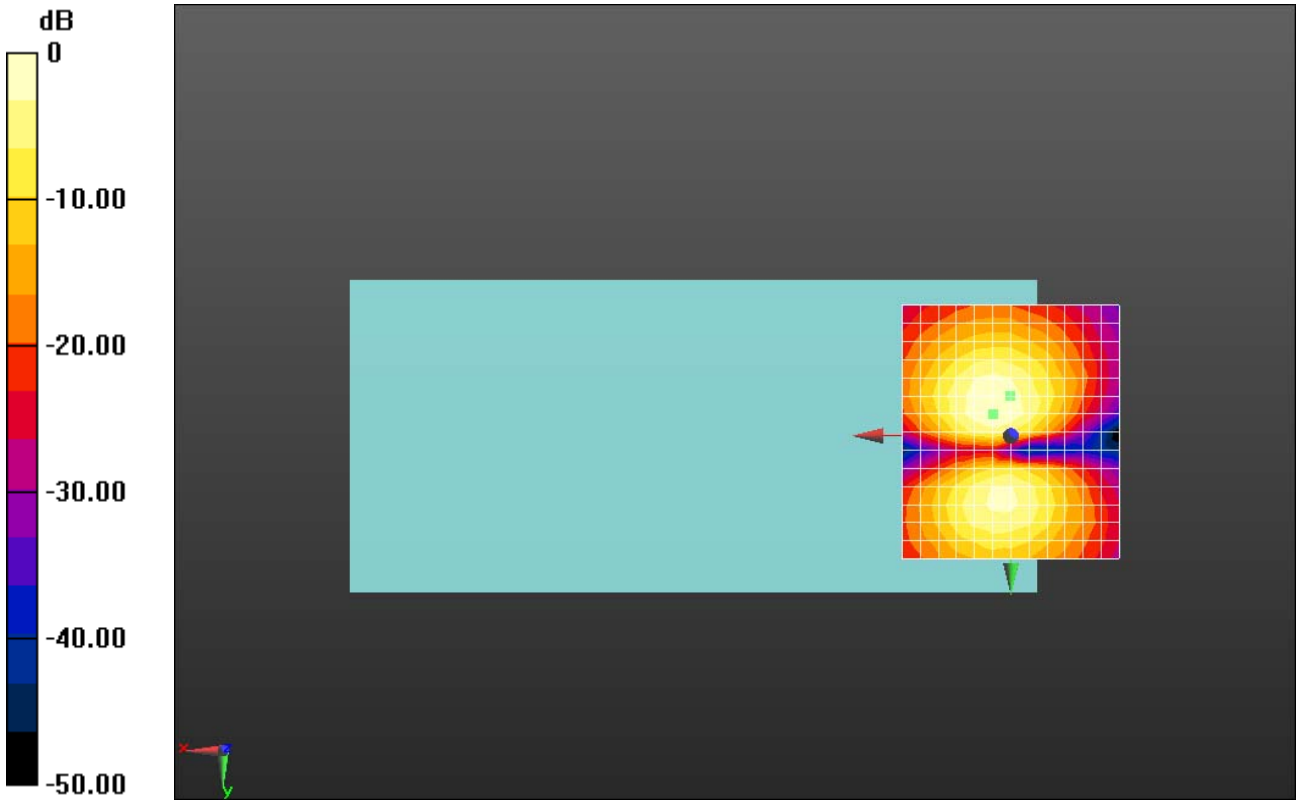
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 5_10M_QPSK_1RB_0offset_12.2Kbps_Ch20525_Y

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 836.5 MHz;Duty Cycle: 1:3.7325
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20525/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 50.03 dB
ABM1 comp = 4.07 dBA/m
BWC Factor = 0.18 dB
Location: 0, -9.2, 3.7 mm



0 dB = 317.4 = 50.03 dB

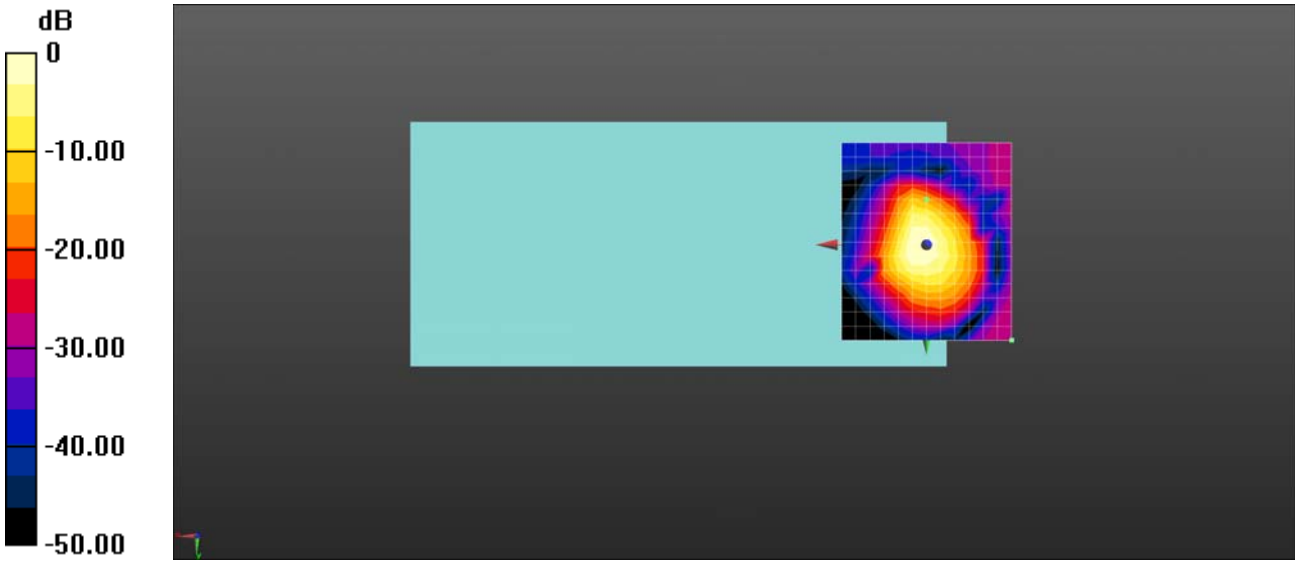
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 12_10M_QPSK_1RB_0offset_12.2Kbps_Ch23095_Z

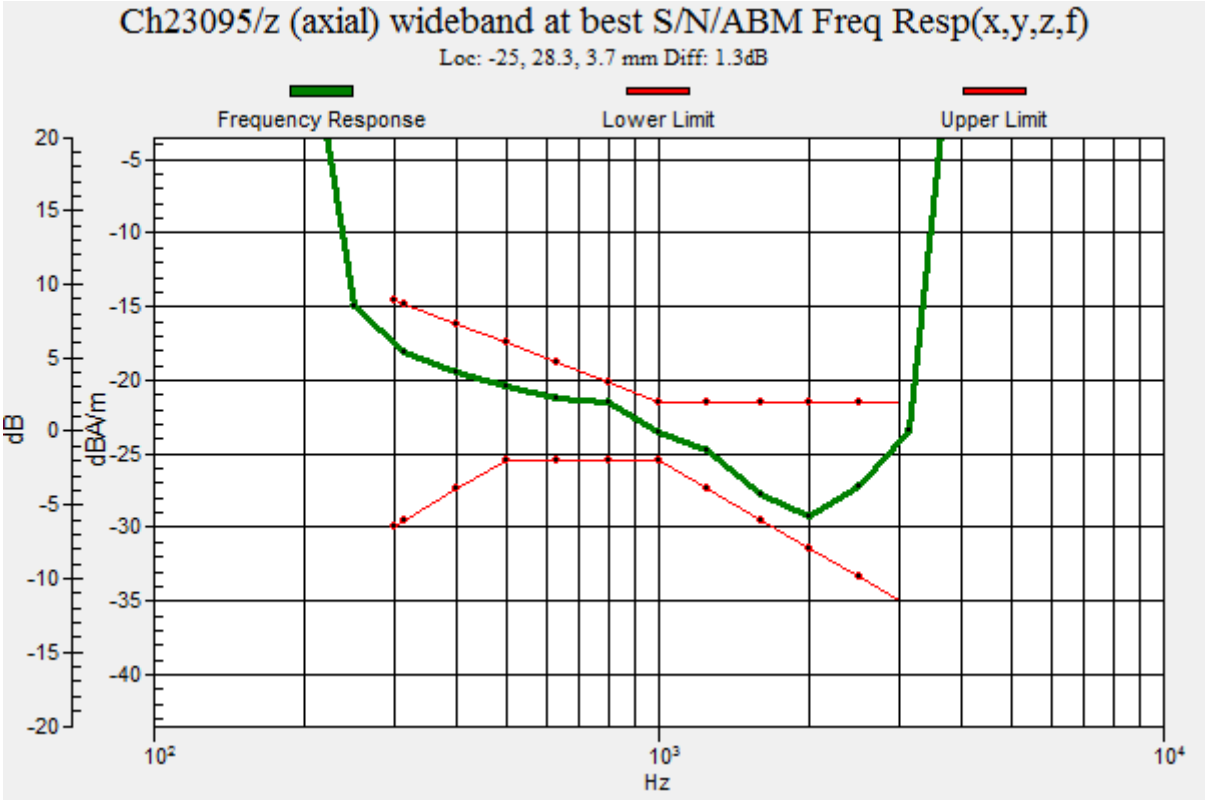
Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 707.5 MHz;Duty Cycle: 1:3.7325
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 57.61 dB
ABM1 comp = 10.66 dBA/m
BWC Factor = 0.18 dB
Location: 0, -0.8, 3.7 mm



0 dB = 759.5 = 57.61 dB


Ch23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -25, 28.3, 3.7 mm Diff: 1.3dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
-5
-10
-15
-20
-25
-30
-35
-40
10²
10³
10⁴

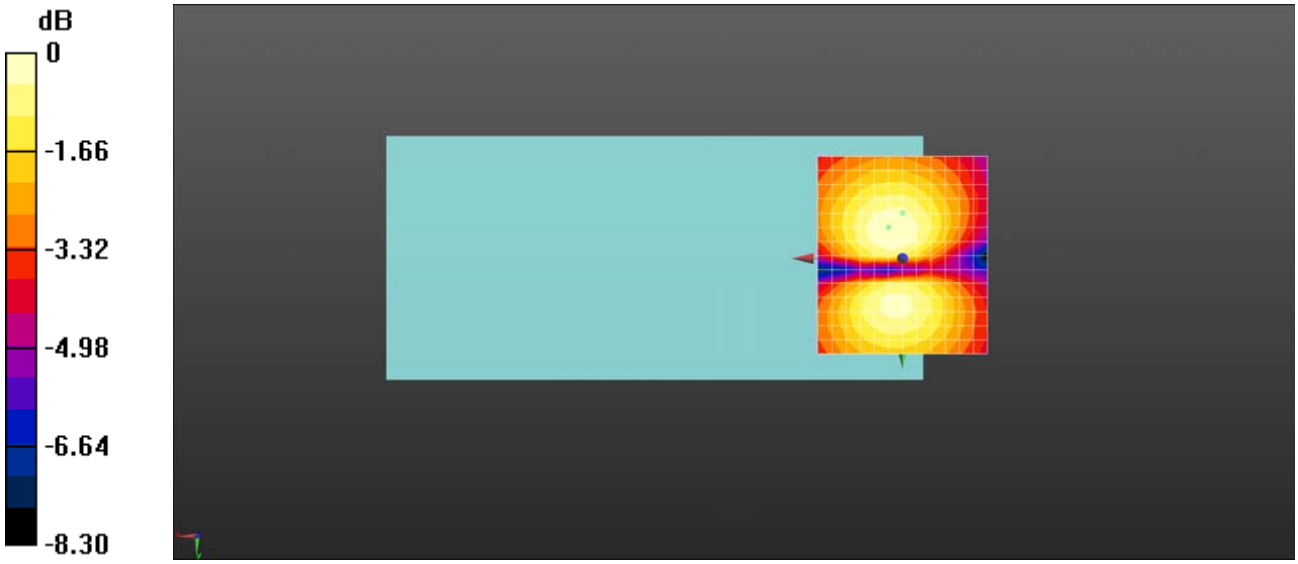
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 12_10M_QPSK_1RB_0offset_12.2Kbps_Ch23095_Y

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 707.5 MHz;Duty Cycle: 1:3.7325
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 51.19 dB
ABM1 comp = 3.36 dBA/m
BWC Factor = 0.18 dB
Location: 0, -13.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

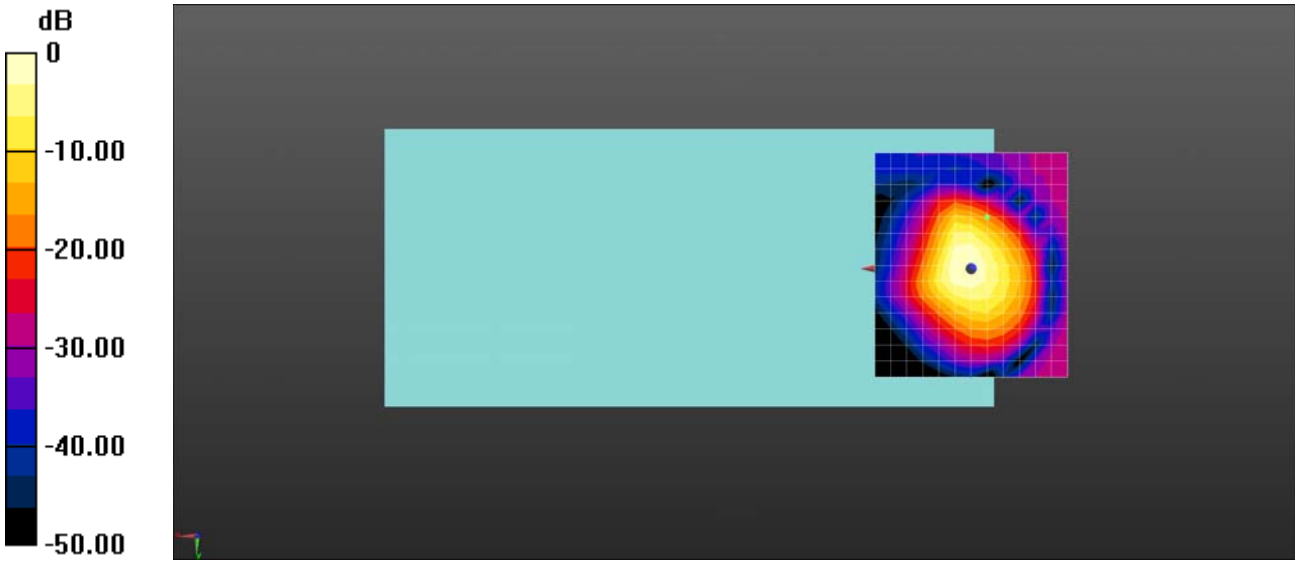
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 17_10M_QPSK_1RB_0offset_12.2Kbps_Ch23790_Z

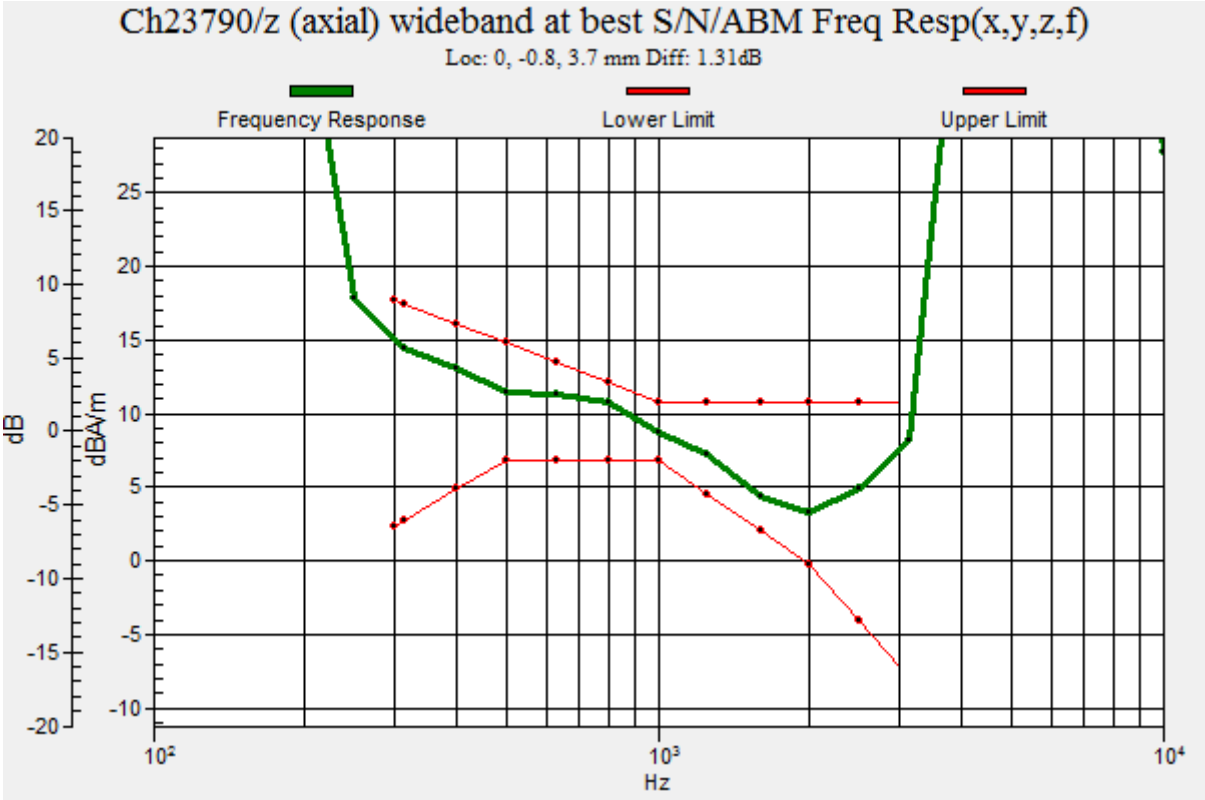
Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 710 MHz;Duty Cycle: 1:3.7325
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 57.27 dB
ABM1 comp = 11.16 dBA/m
BWC Factor = 0.17 dB
Location: 0, -0.8, 3.7 mm



0 dB = 730.0 = 57.27 dB


Ch23790/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.31dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

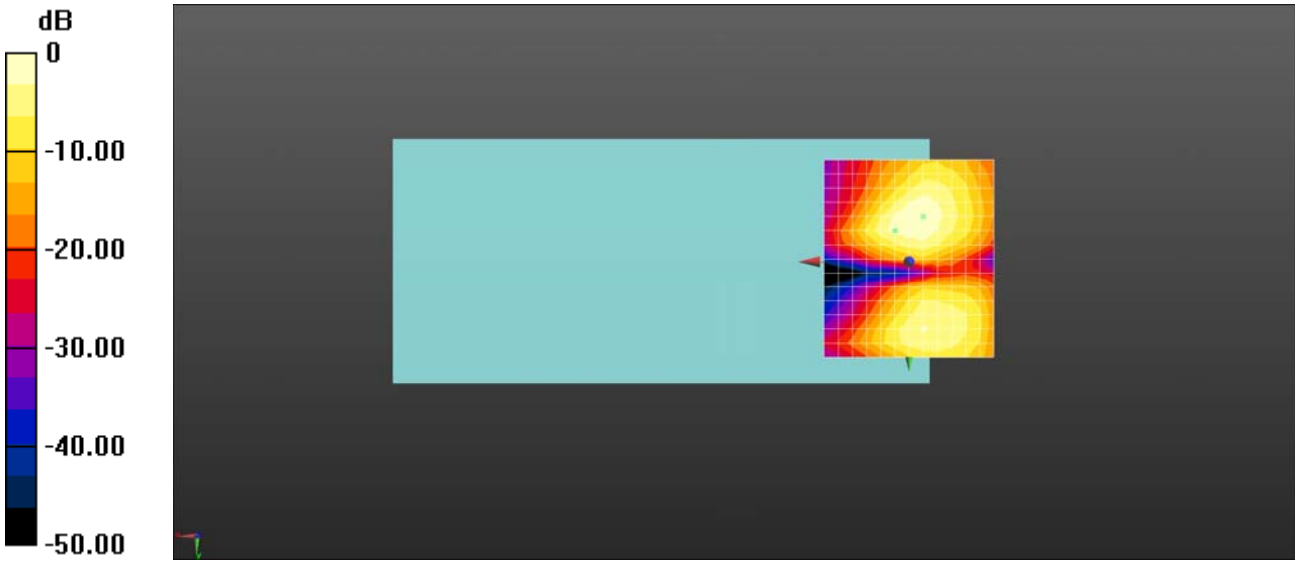
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 17_10M_QPSK_1RB_0offset_12.2Kbps_Ch23790_Y

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 710 MHz;Duty Cycle: 1:3.7325
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23790/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 51.32 dB
ABM1 comp = 1.84 dBA/m
BWC Factor = 0.17 dB
Location: -4.2, -13.3, 3.7 mm



0 dB = 367.9 = 51.31 dB

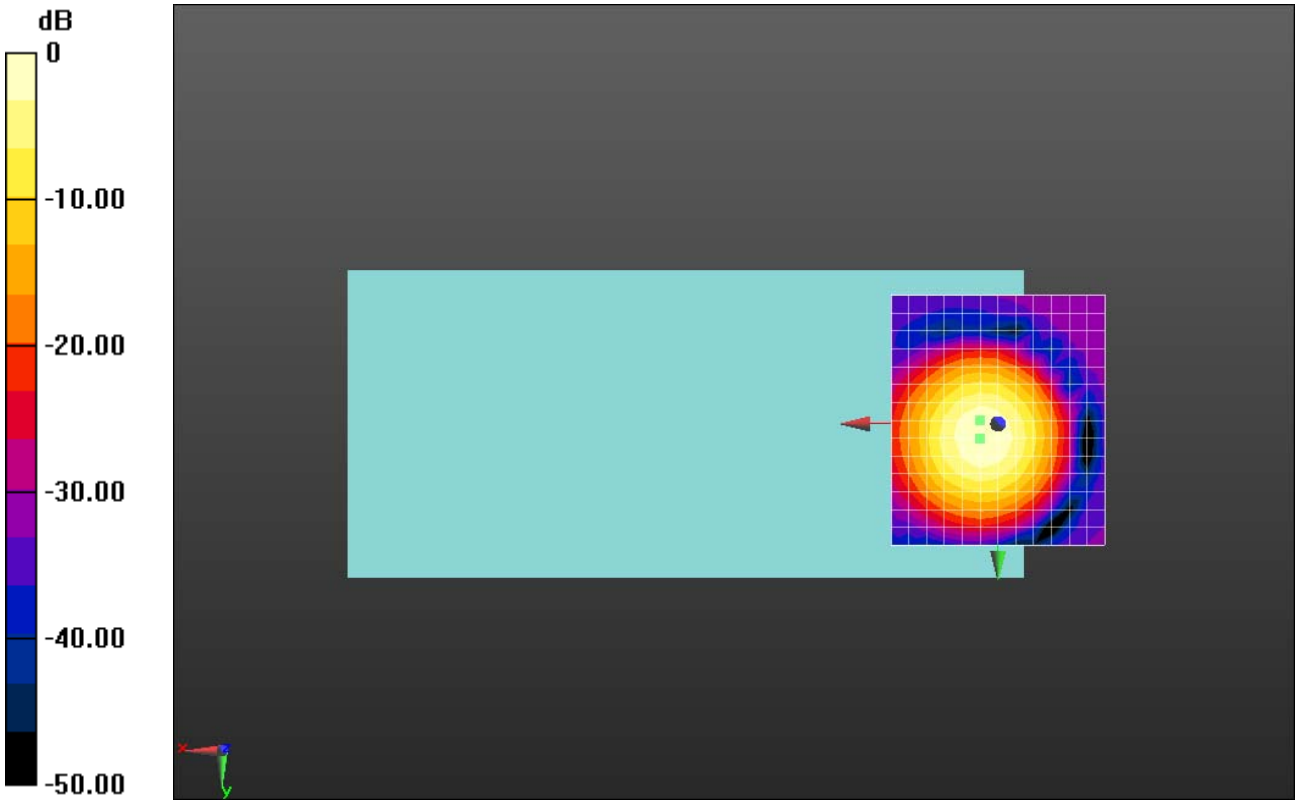
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 66_20M_QPSK_1RB_0offset_12.2Kbps_Ch132322_Z

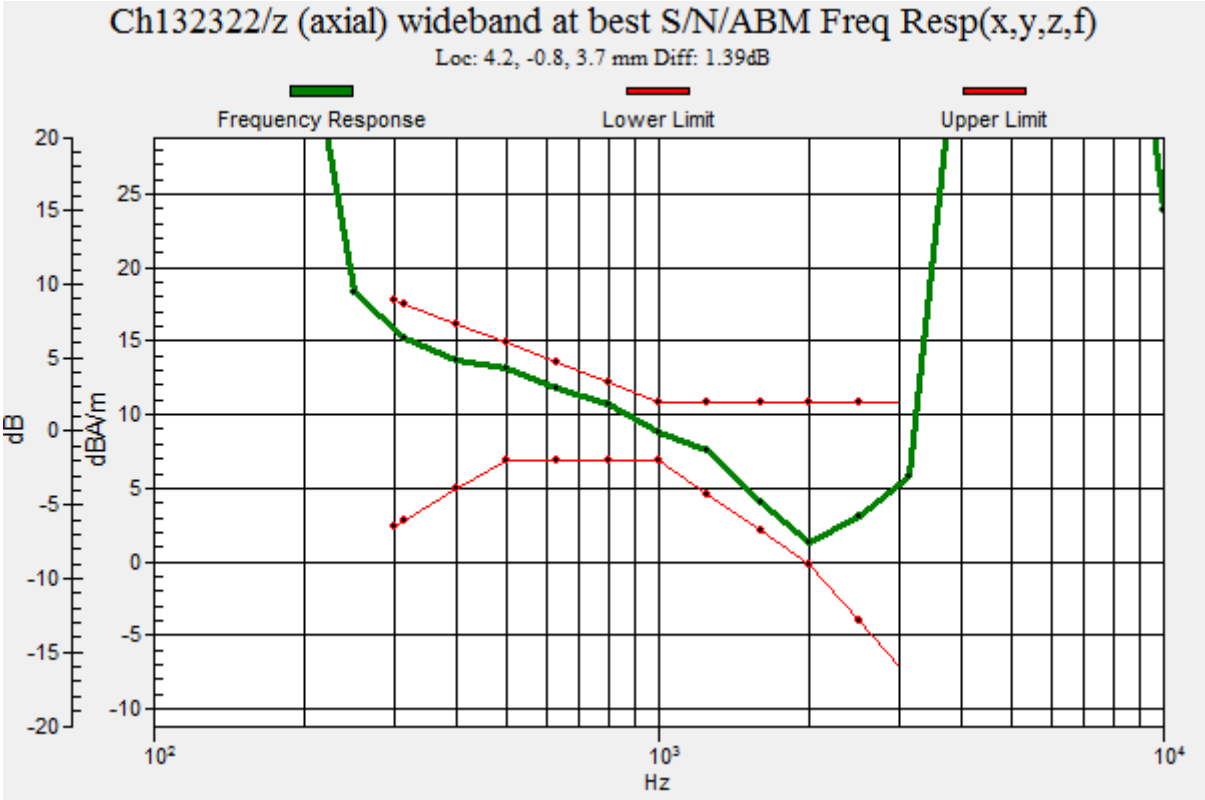
Communication System: UID 0, LTE-FDD (SC-FDMA, 1RB, 20MHz, QPSK) (0); Frequency: 1745 MHz;Duty Cycle: 1:3.74111
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 56.53 dB
ABM1 comp = 11.71 dBA/m
BWC Factor = 0.18 dB
Location: 4.2, -0.8, 3.7 mm



0 dB = 670.8 = 56.53 dB


Ch132322/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 4.2, -0.8, 3.7 mm Diff: 1.39dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
10^2
10^3
10^4

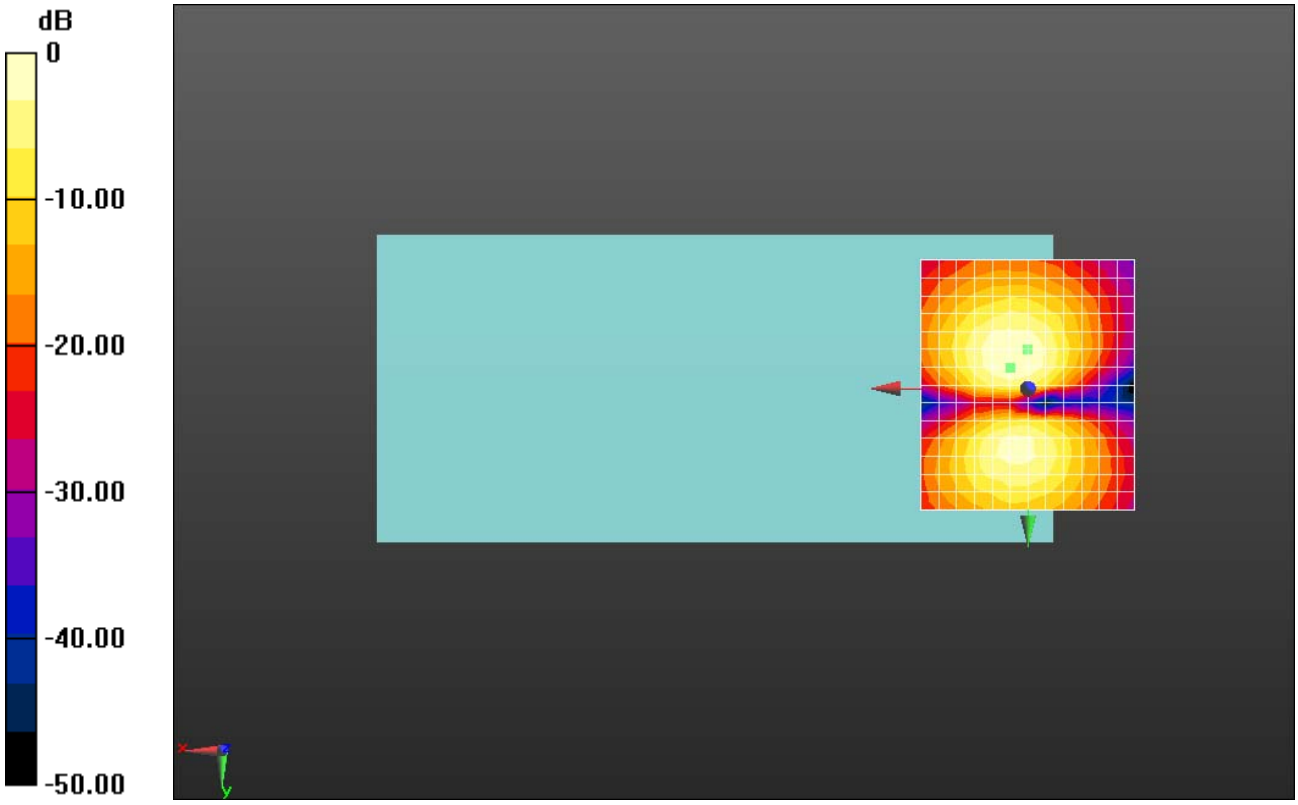
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.06.29

HAC_T-Coil_LTE Band 66_20M_QPSK_1RB_0offset_12.2Kbps_Ch132322_Y

Communication System: UID 0, LTE-FDD (SC-FDMA, 1RB, 20MHz, QPSK) (0); Frequency: 1745 MHz;Duty Cycle: 1:3.74111
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch132322/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 50.45 dB
ABM1 comp = 4.61 dBA/m
BWC Factor = 0.18 dB
Location: 0, -9.2, 3.7 mm



0 dB = 333.0 = 50.45 dB

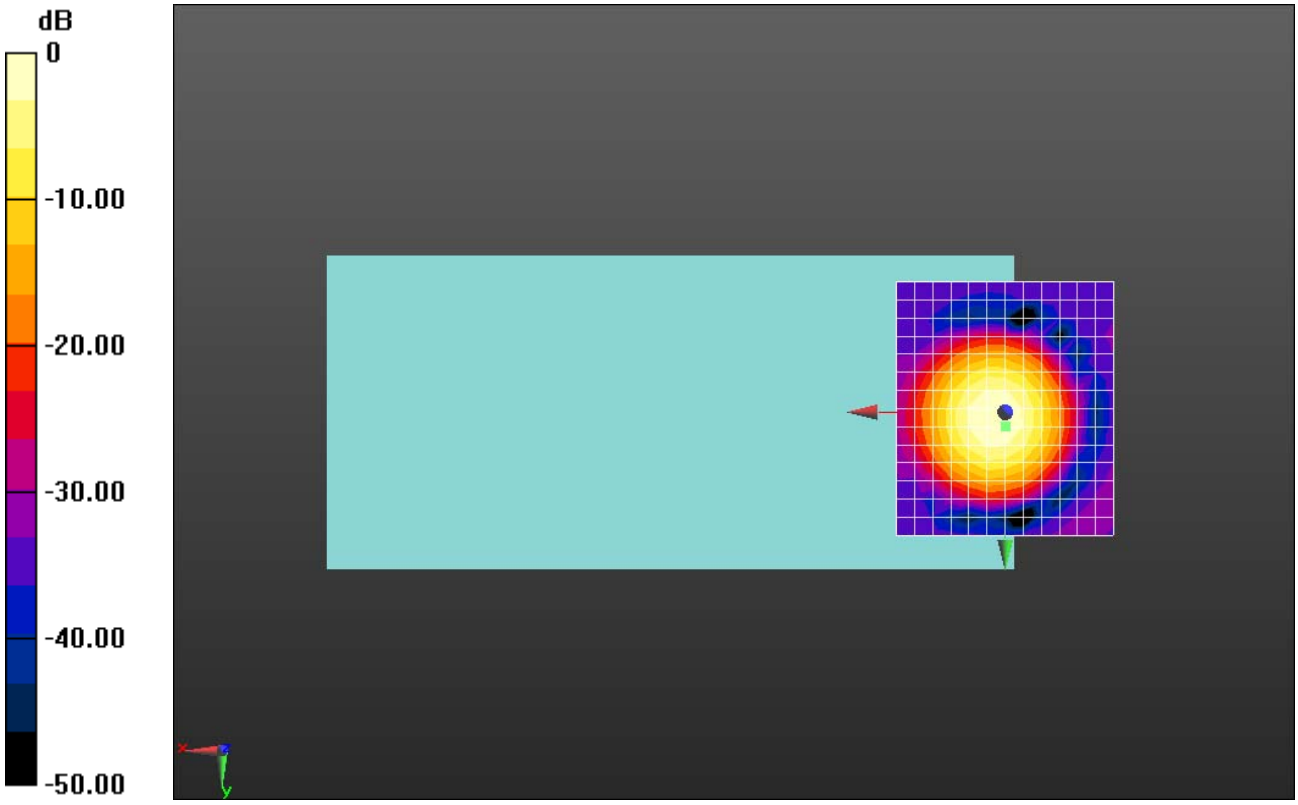
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 4.75Kbps_Ch7_Z

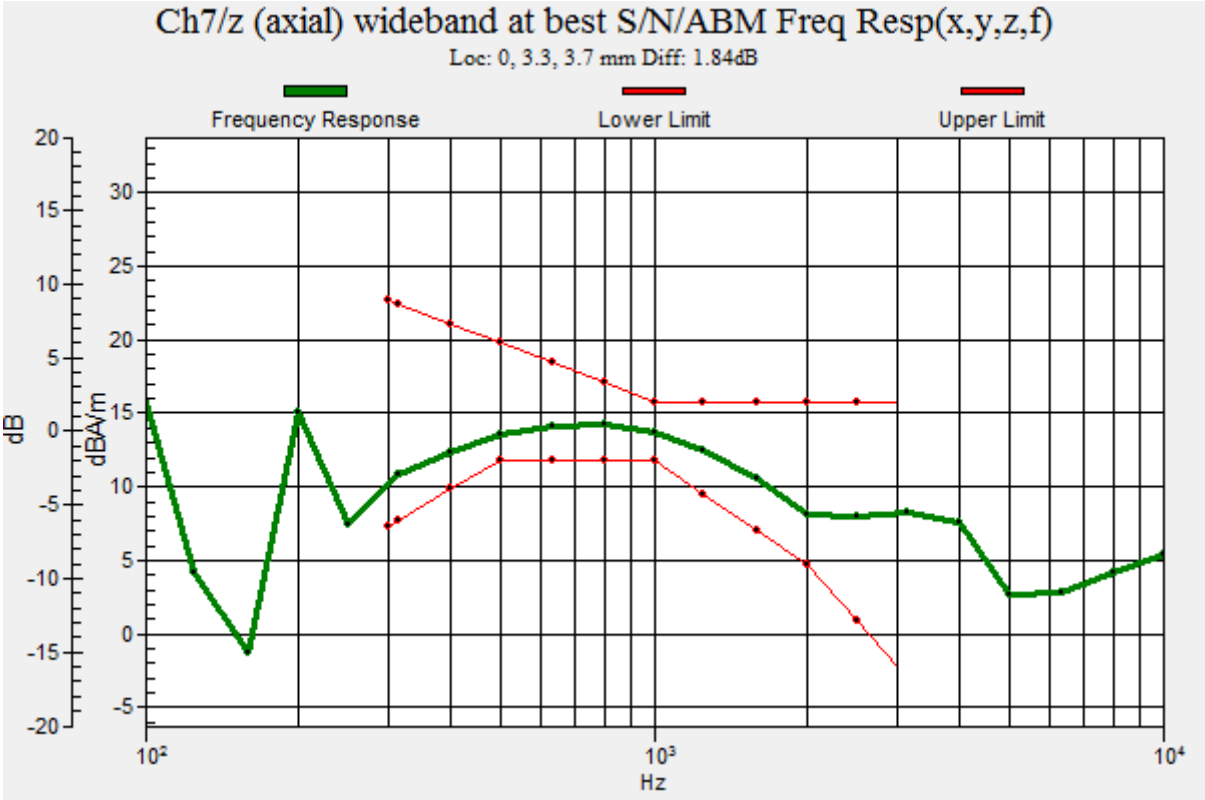
Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle); Frequency: 2442 MHz;Duty Cycle: 1:1.42561
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 58.76 dB
ABM1 comp = 12.58 dBA/m
BWC Factor = 0.16 dB
Location: 0, 3.3, 3.7 mm



0 dB = 866.9 = 58.76 dB


Ch7/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, 3.3, 3.7 mm Diff: 1.84dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
30
25
20
15
10
5
0
-5
10²
10³
10⁴

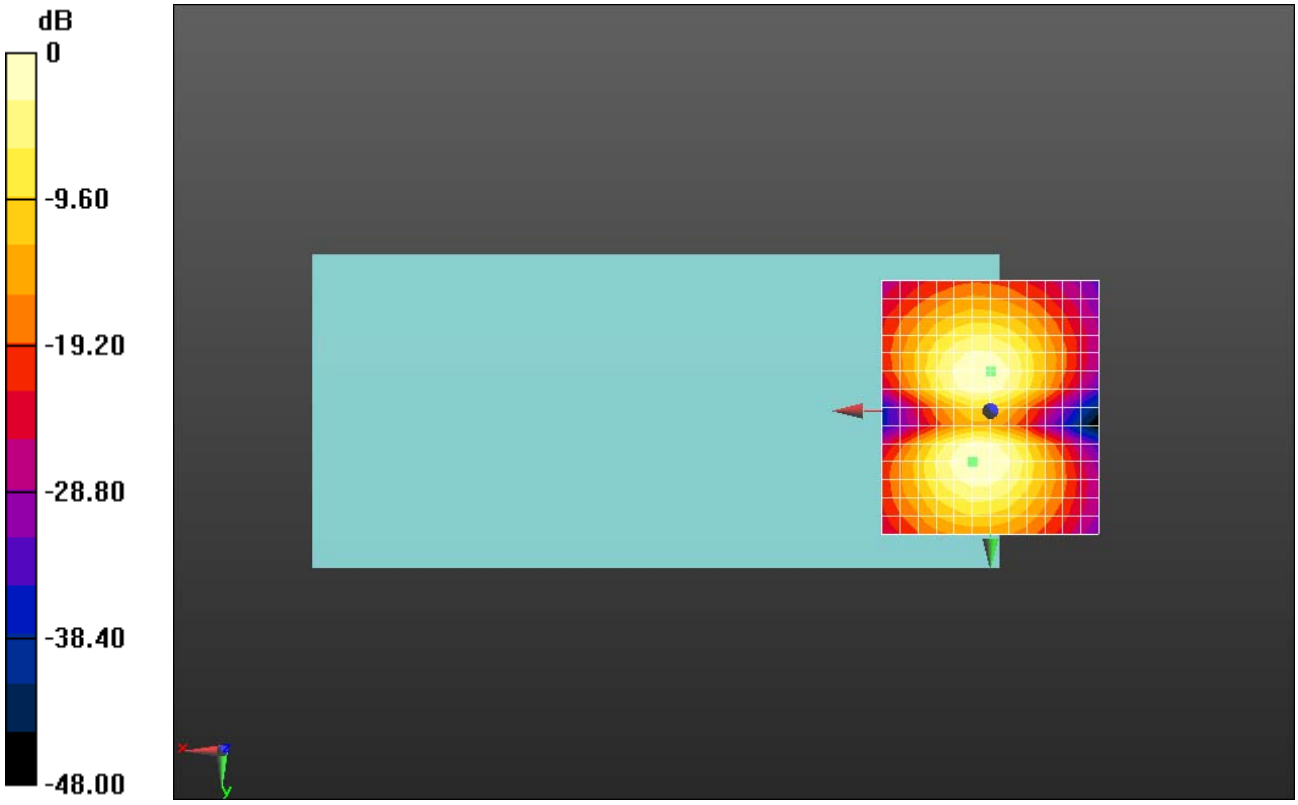
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 4.75Kbps_Ch7_Y

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle); Frequency: 2442 MHz;Duty Cycle: 1:1.42561
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 54.15 dB
ABM1 comp = 4.81 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 509.8 = 54.15 dB

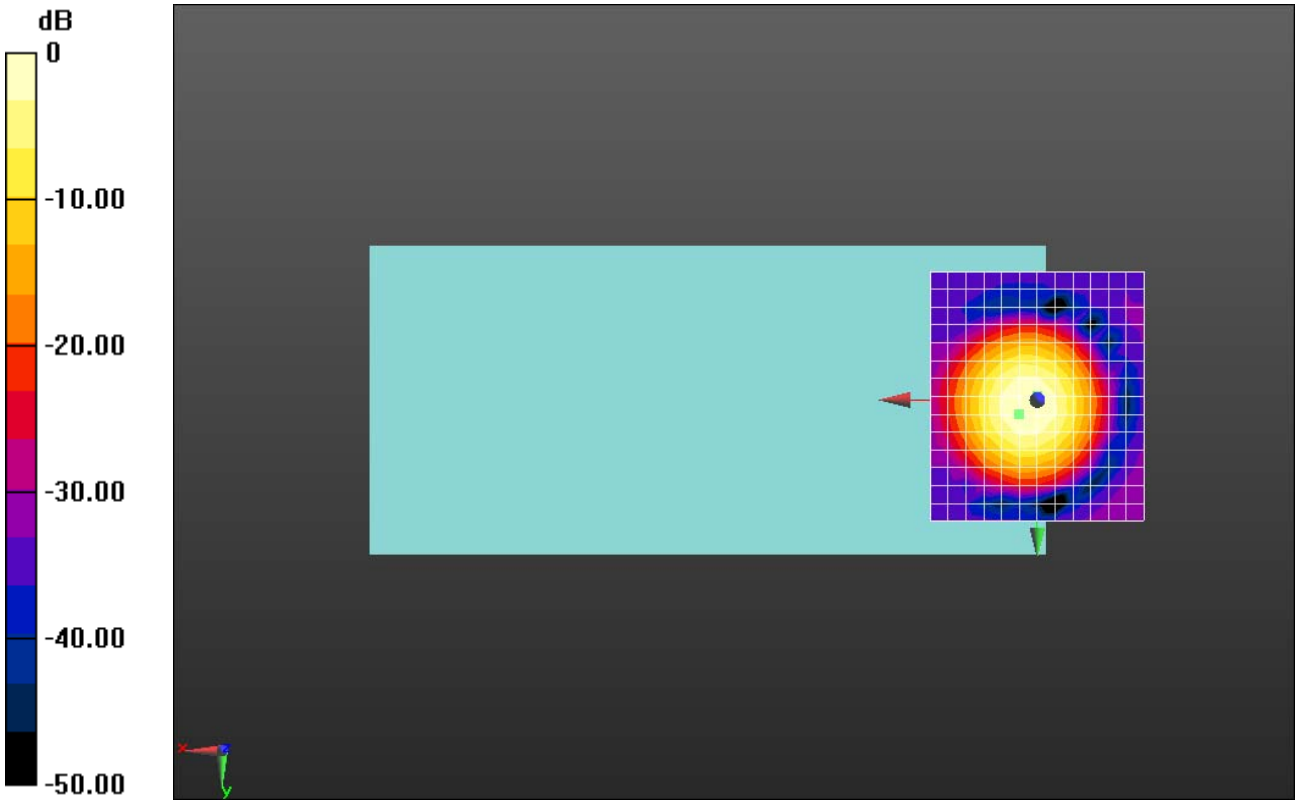
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 4.75Kbps_Ch7_Z

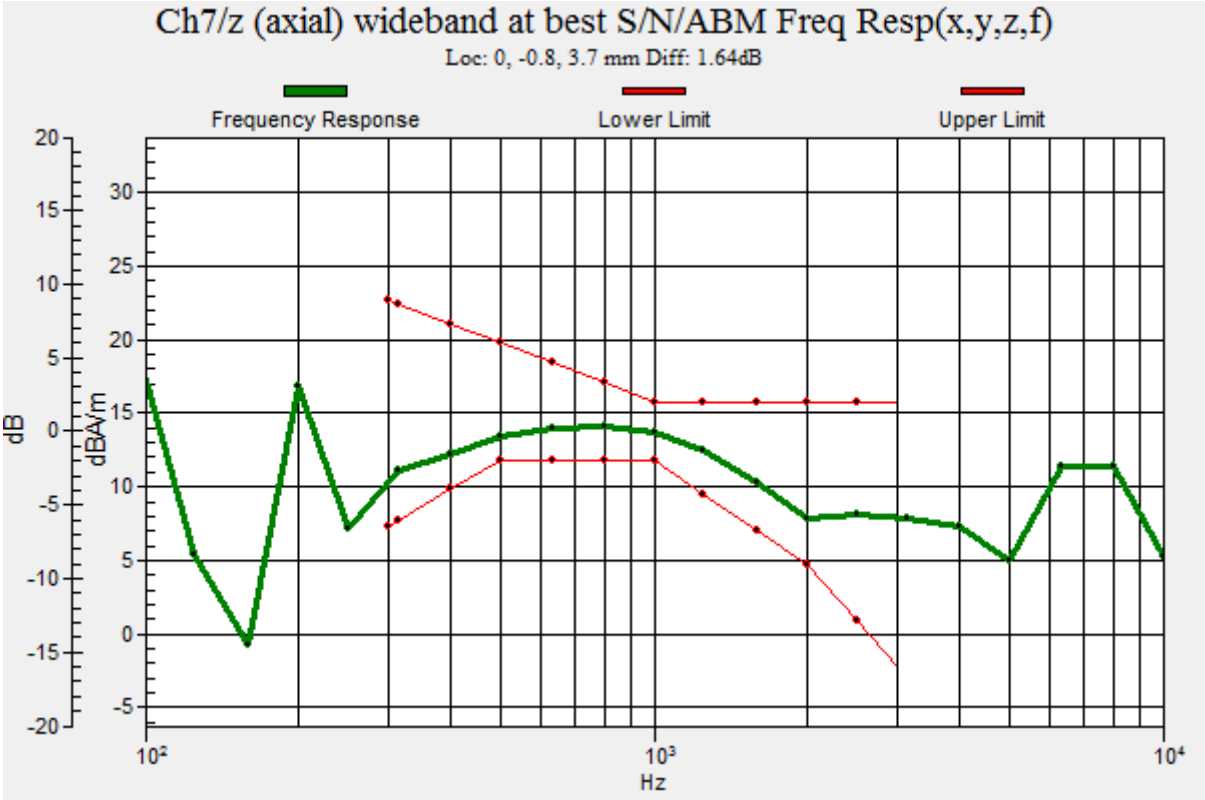
Communication System: UID 10418 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule); Frequency: 2442 MHz;Duty Cycle: 1:6.51628
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 58.46 dB
ABM1 comp = 12.30 dBA/m
BWC Factor = 0.16 dB
Location: 0, -0.8, 3.7 mm



0 dB = 837.3 = 58.46 dB


Ch7/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.64dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

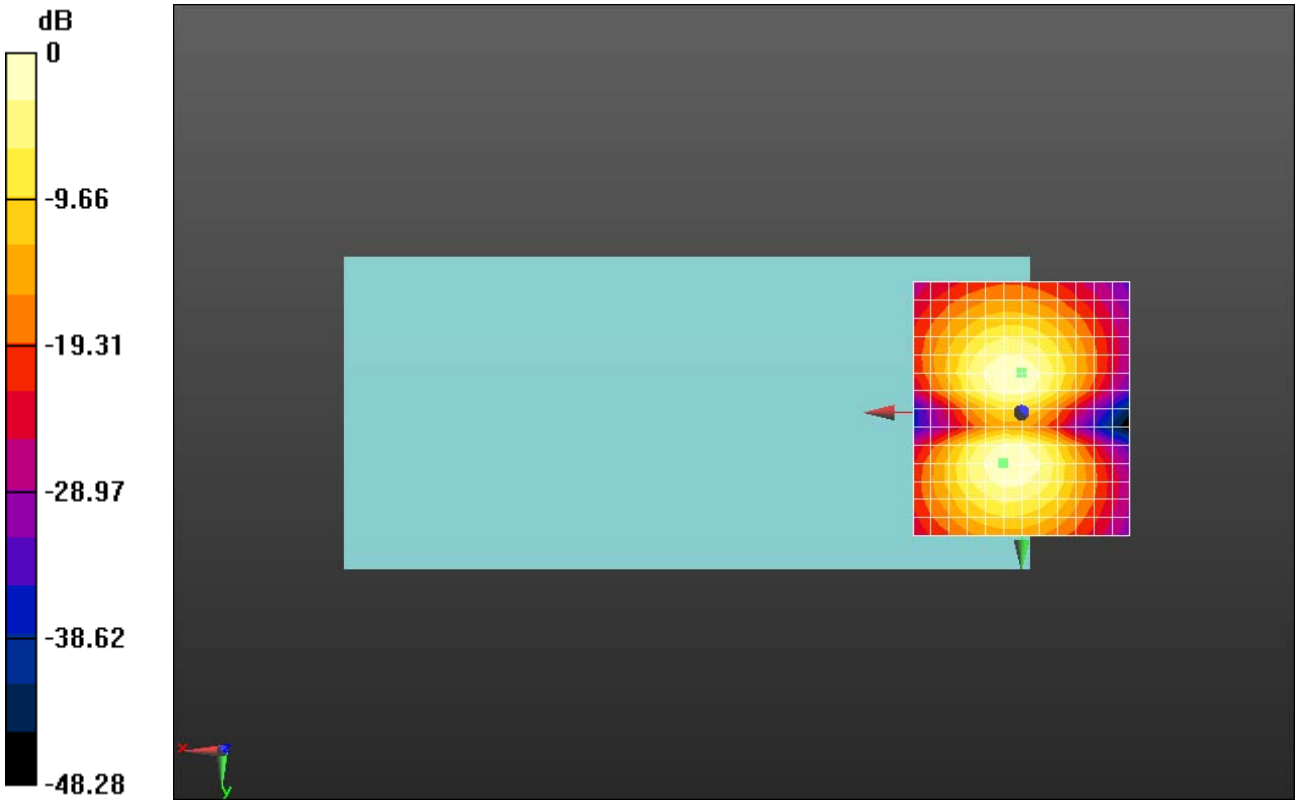
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 4.75Kbps_Ch7_Y

Communication System: UID 10418 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule); Frequency: 2442 MHz;Duty Cycle: 1:6.51628
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 54.07 dB
ABM1 comp = 4.91 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 505.3 = 54.07 dB

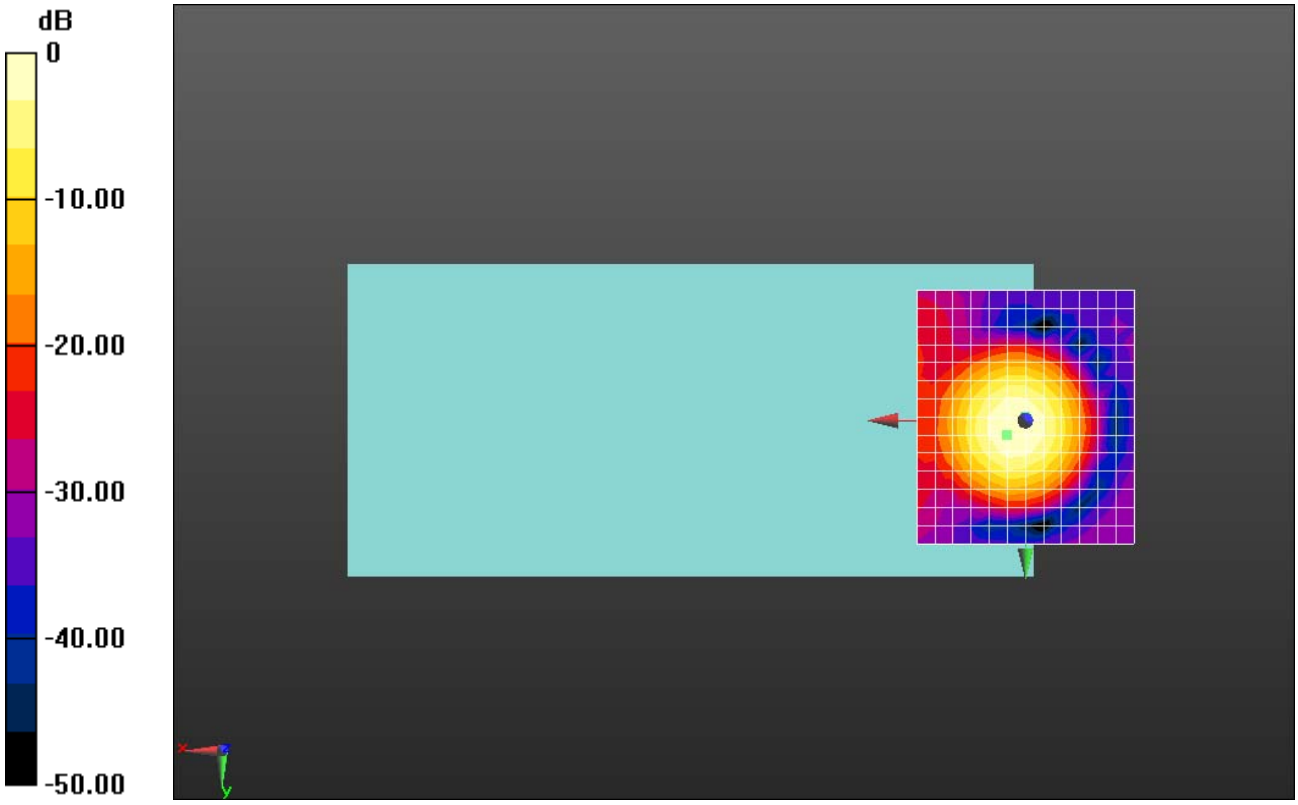
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch7_Z

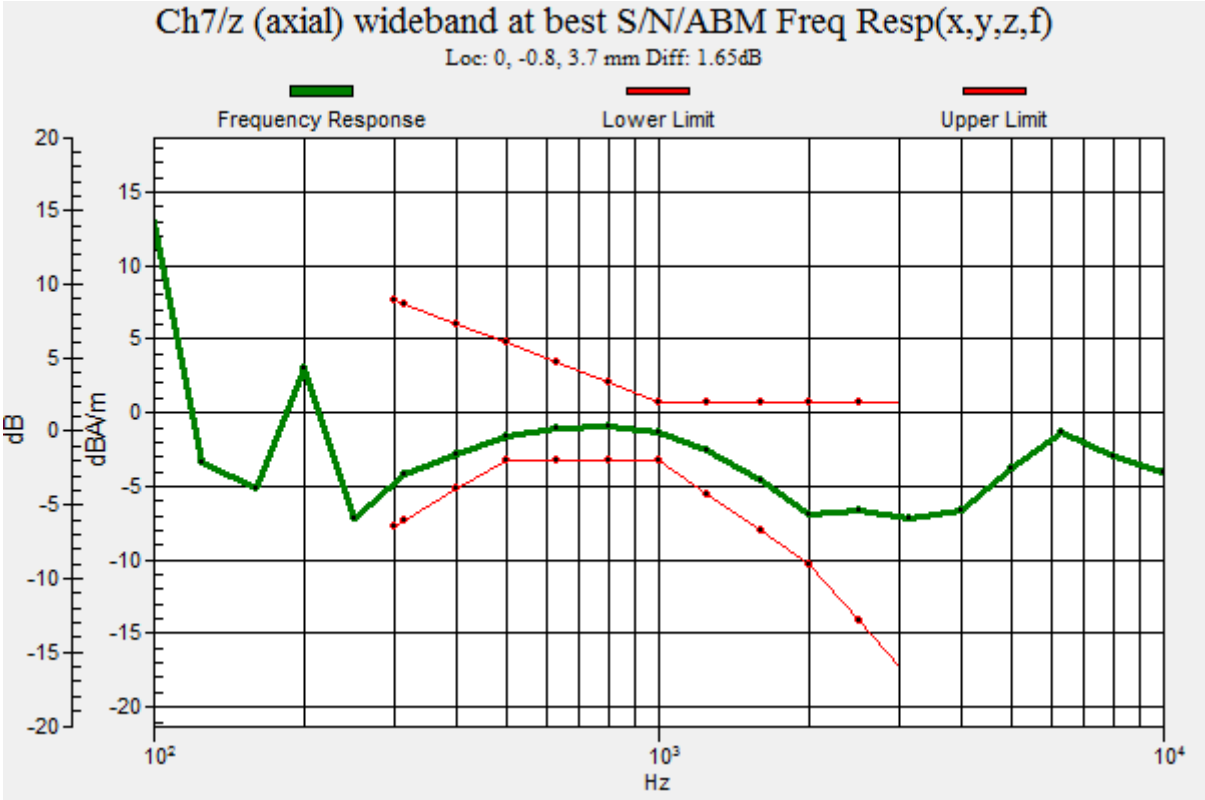
Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK); Frequency: 2442 MHz;Duty Cycle: 1:6.44169
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 46.30 dB
ABM1 comp = -2.70 dBA/m
BWC Factor = 0.16 dB
Location: 0, -0.8, 3.7 mm



0 dB = 206.6 = 46.30 dB


Ch7/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.65dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

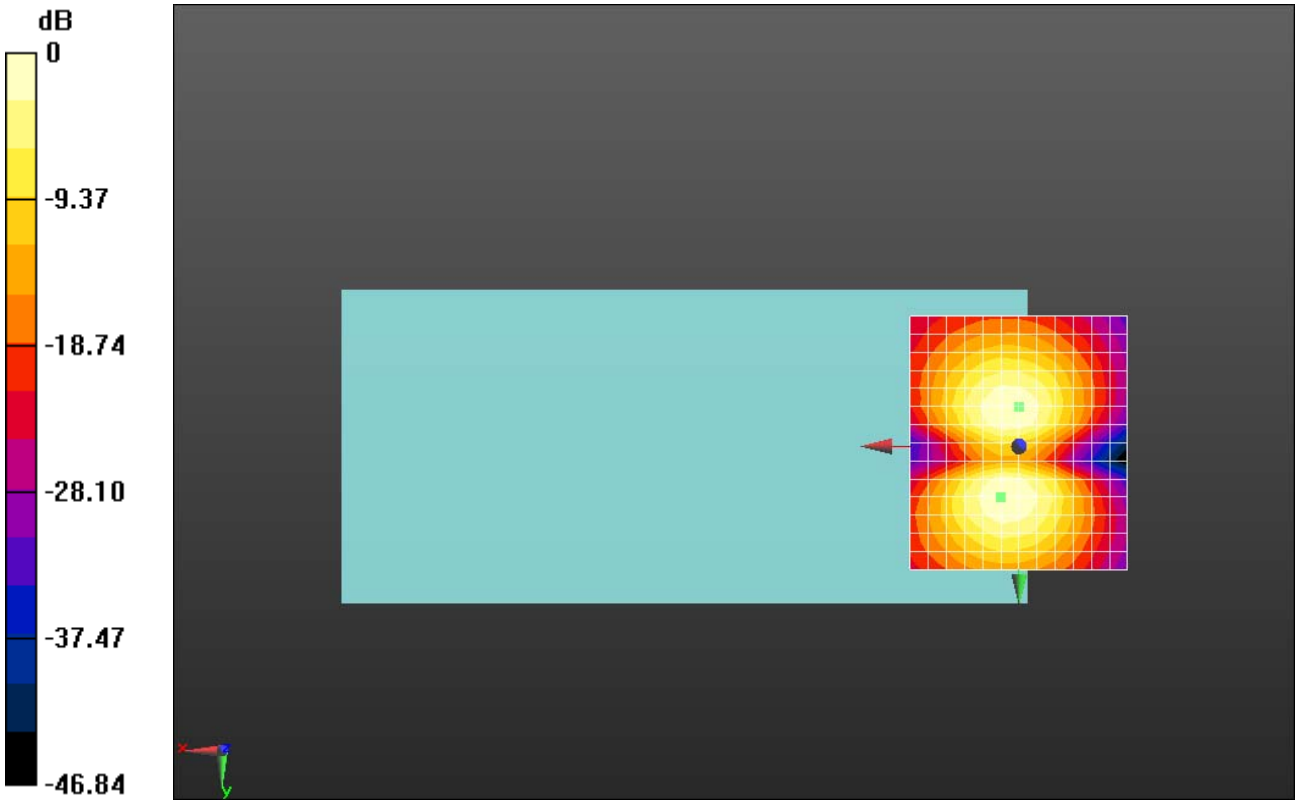
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch7_Y

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);
Frequency: 2442 MHz;Duty Cycle: 1:6.44169
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 40.47 dB
ABM1 comp = -9.98 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 105.6 = 40.47 dB

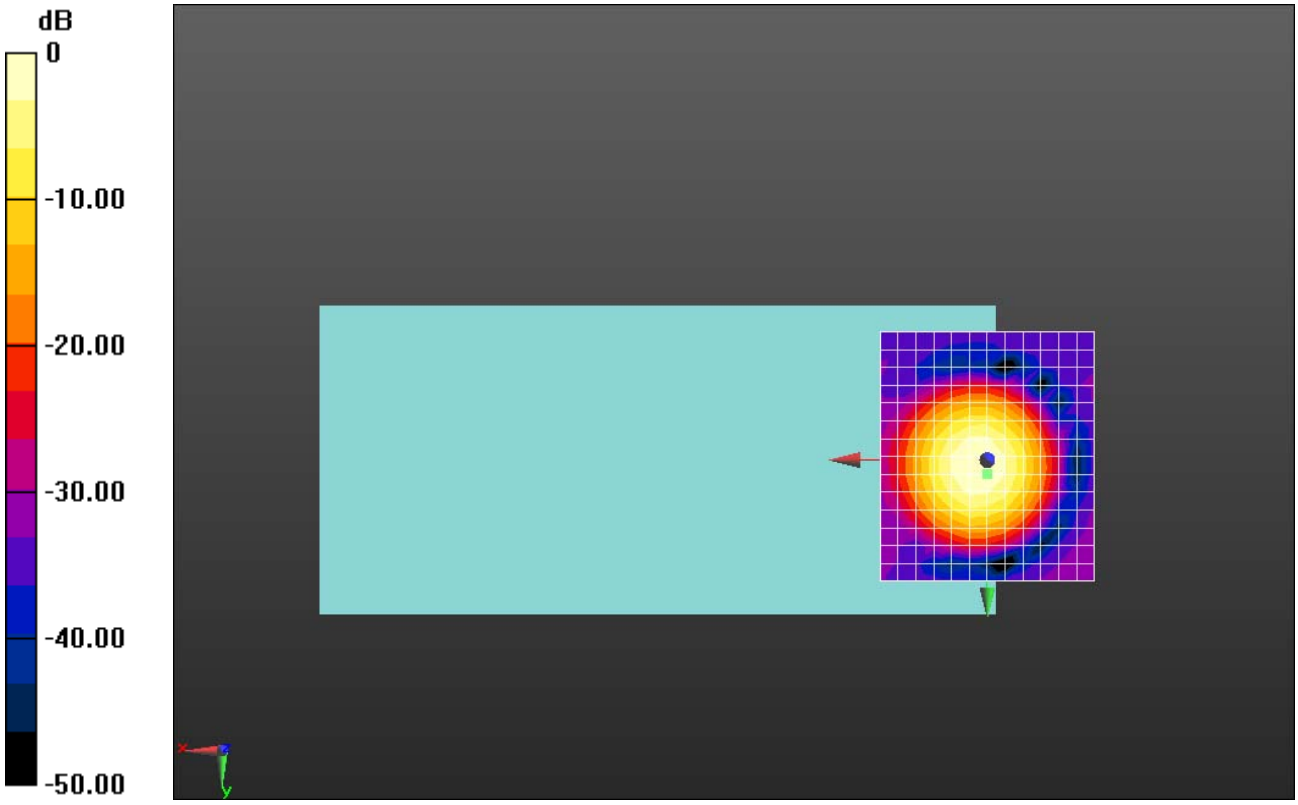
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT40 MCS0_AMR 4.75Kbps_Ch7_Z

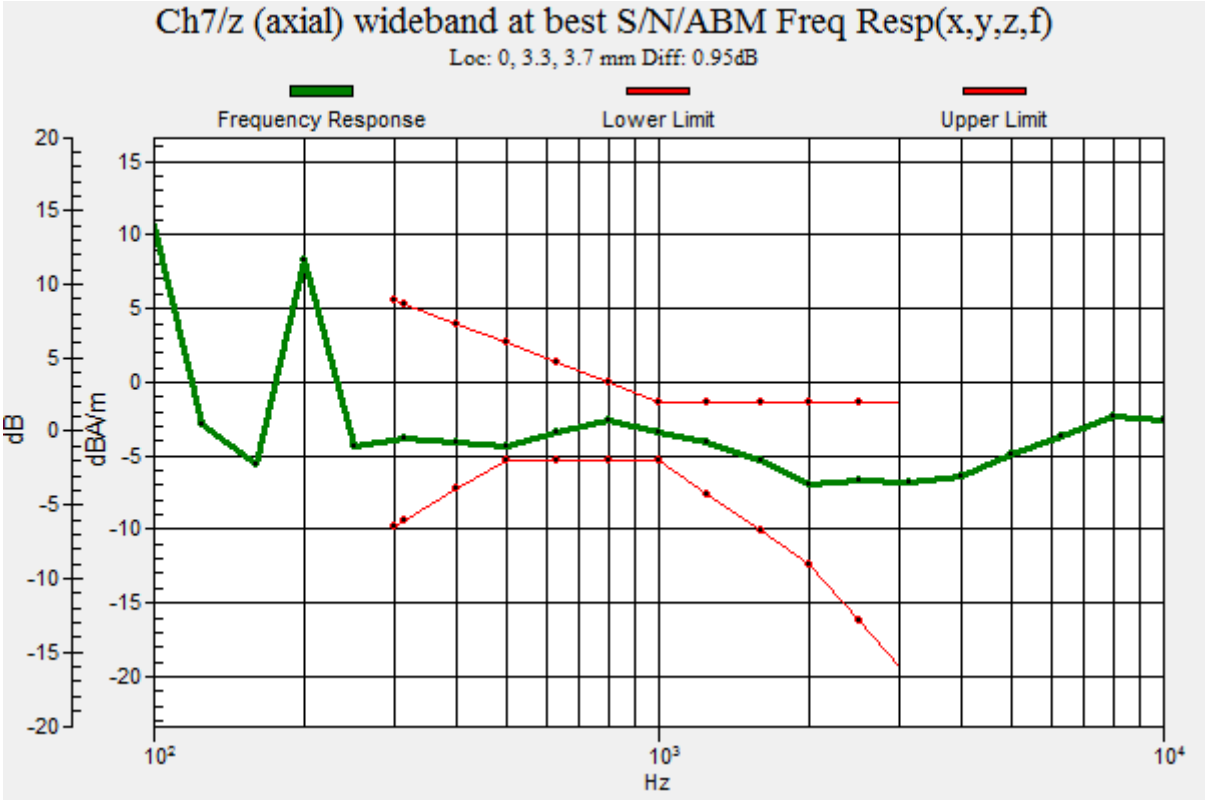
Communication System: UID 10114 - CAA, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK); Frequency: 2437 MHz;Duty Cycle: 1:6.45654
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 46.22 dB
ABM1 comp = -2.48 dBA/m
BWC Factor = 0.16 dB
Location: 0, 3.3, 3.7 mm



0 dB = 204.6 = 46.22 dB


Ch7/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, 3.3, 3.7 mm Diff: 0.95dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

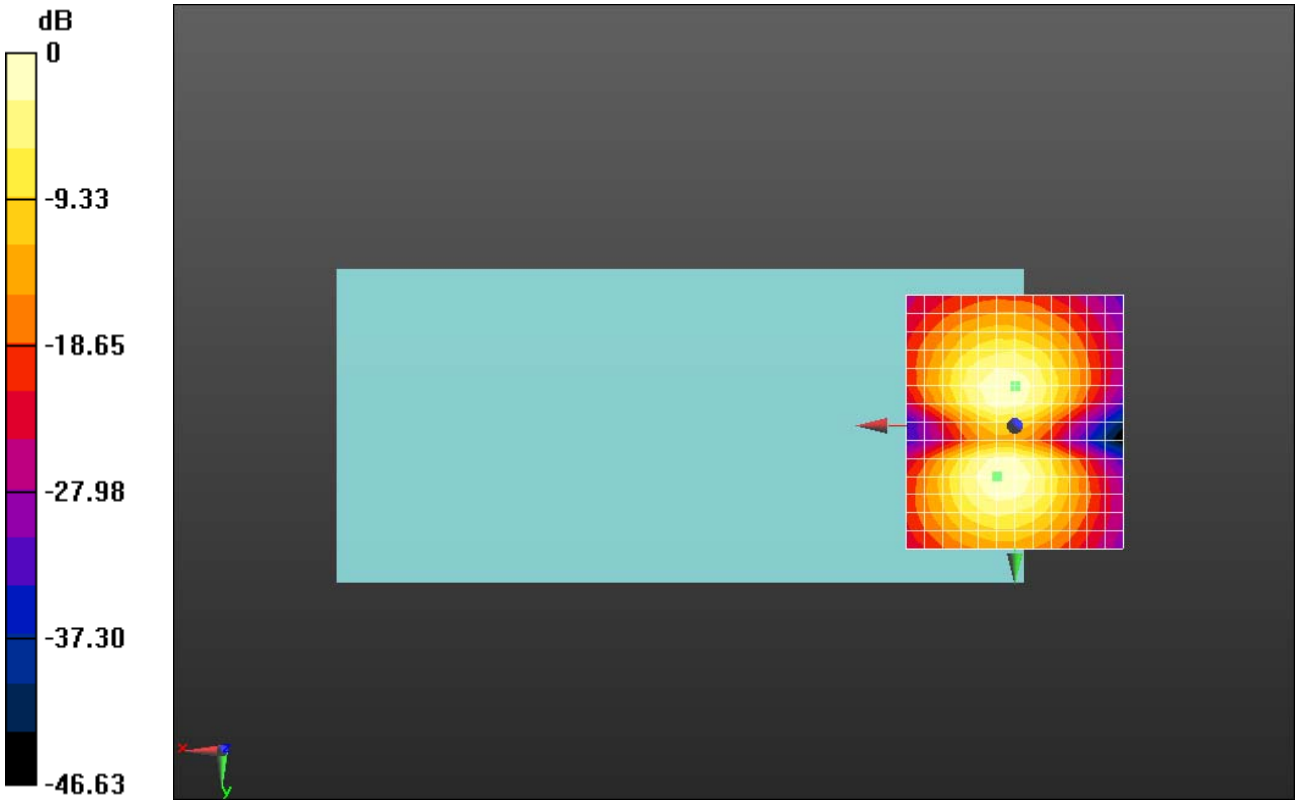
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT40 MCS0_AMR 4.75Kbps_Ch7_Y

Communication System: UID 10114 - CAA, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK); Frequency: 2442 MHz;Duty Cycle: 1:6.45654
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch7/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 40.58 dB
ABM1 comp = -10.06 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 106.9 = 40.58 dB

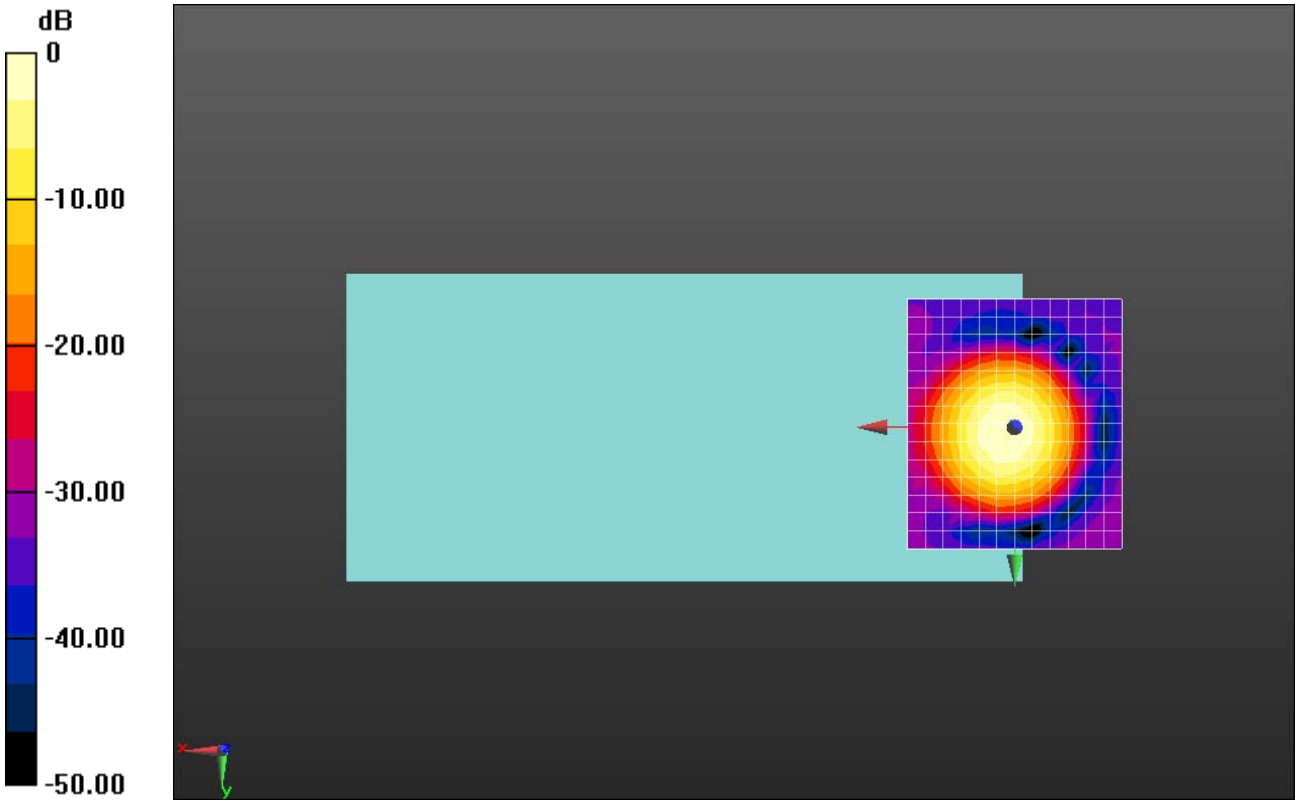
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.2GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch44_Z

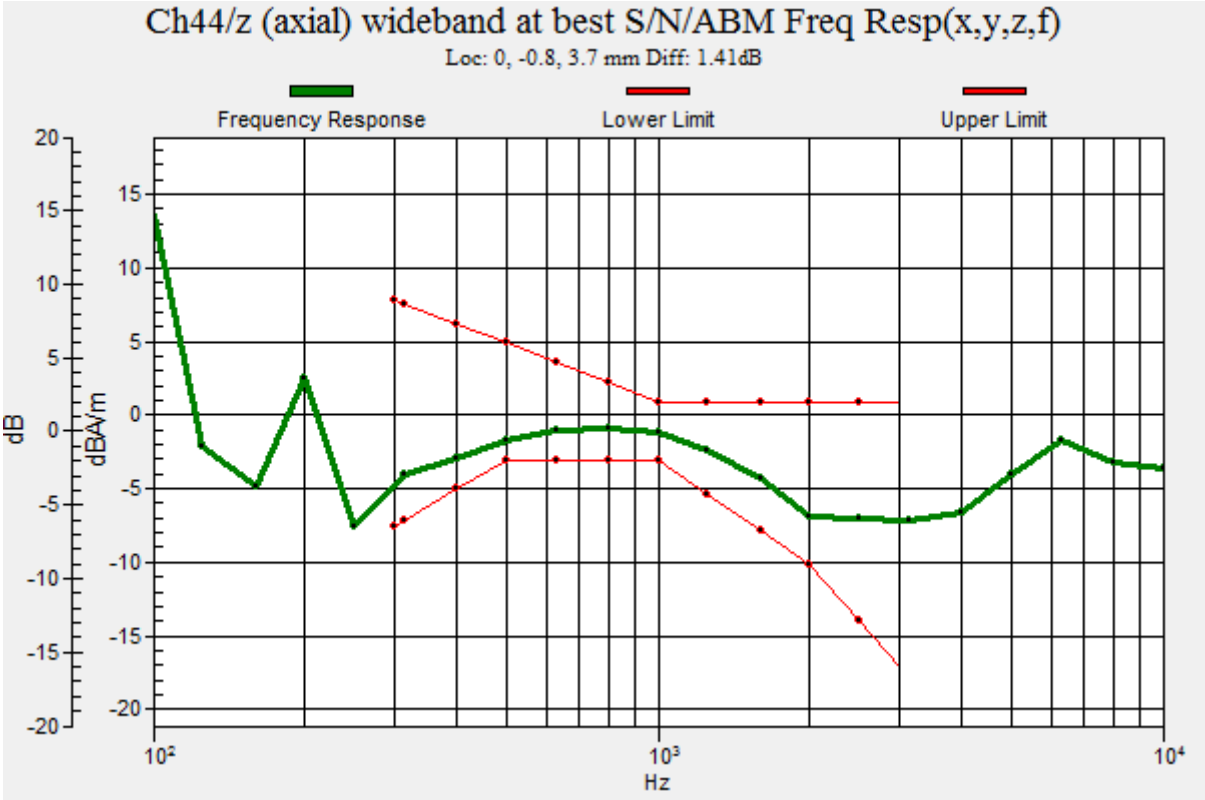
Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5220 MHz;Duty Cycle: 1:6.85488
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 46.51 dB
ABM1 comp = -2.71 dBA/m
BWC Factor = 0.16 dB
Location: 0, -0.8, 3.7 mm



0 dB = 211.6 = 46.51 dB


Ch44/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.41dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

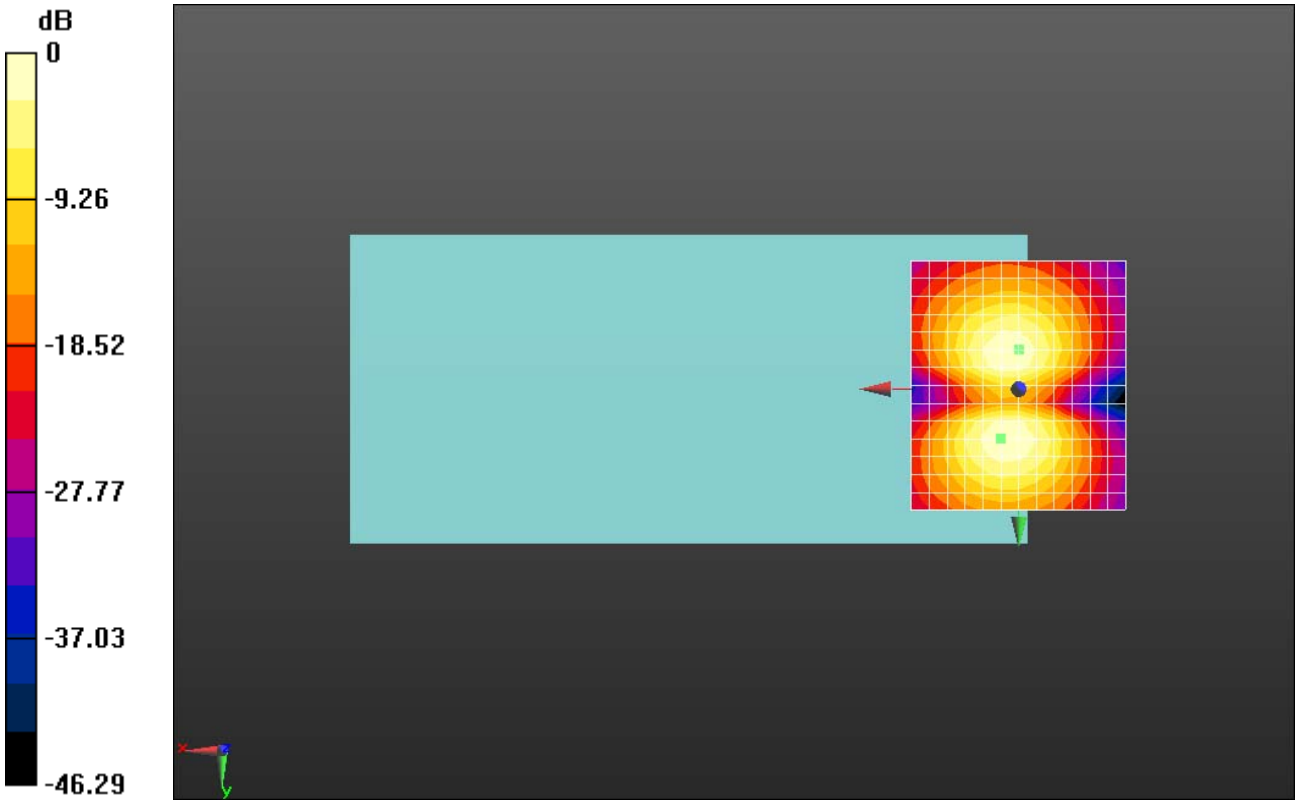
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.2GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch44_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5220 MHz;Duty Cycle: 1:6.85488
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch44/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 40.21 dB
ABM1 comp = -9.86 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 102.5 = 40.21 dB

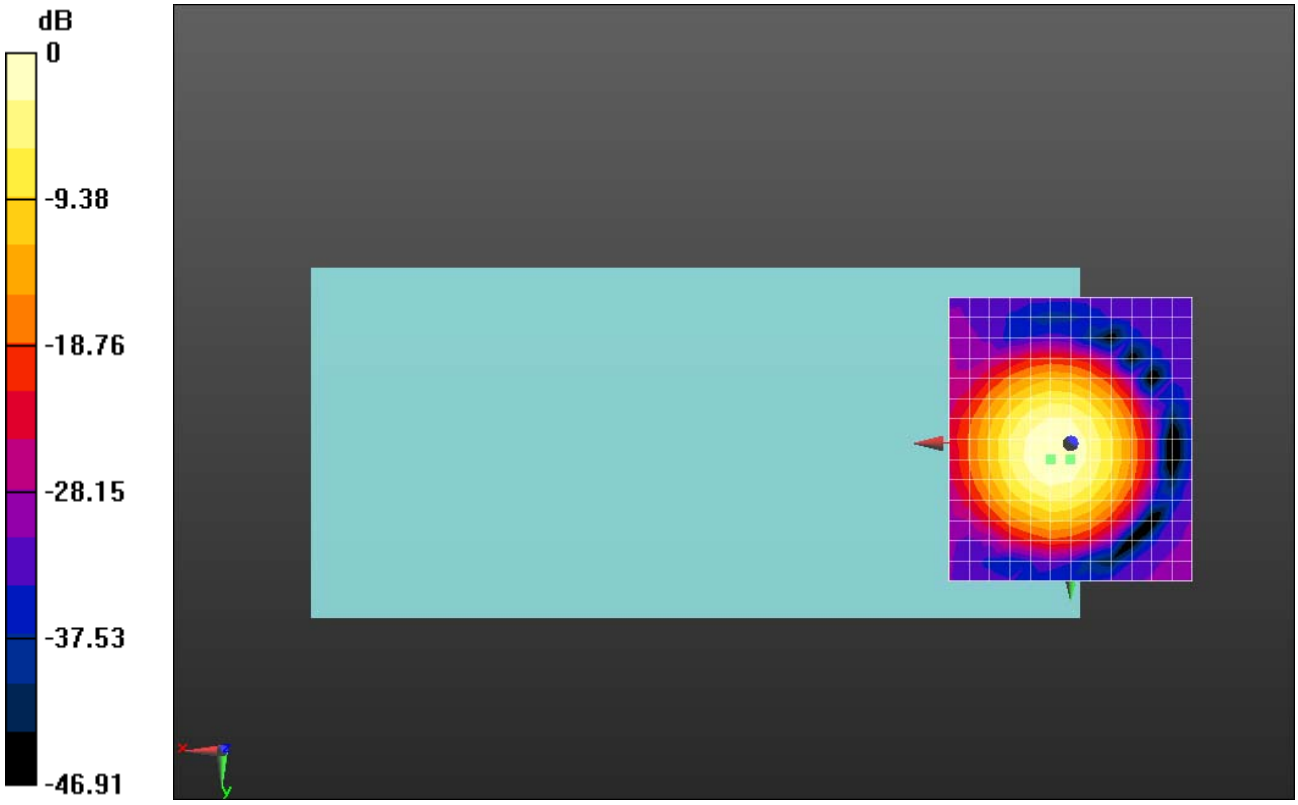
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.3GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch60_Z

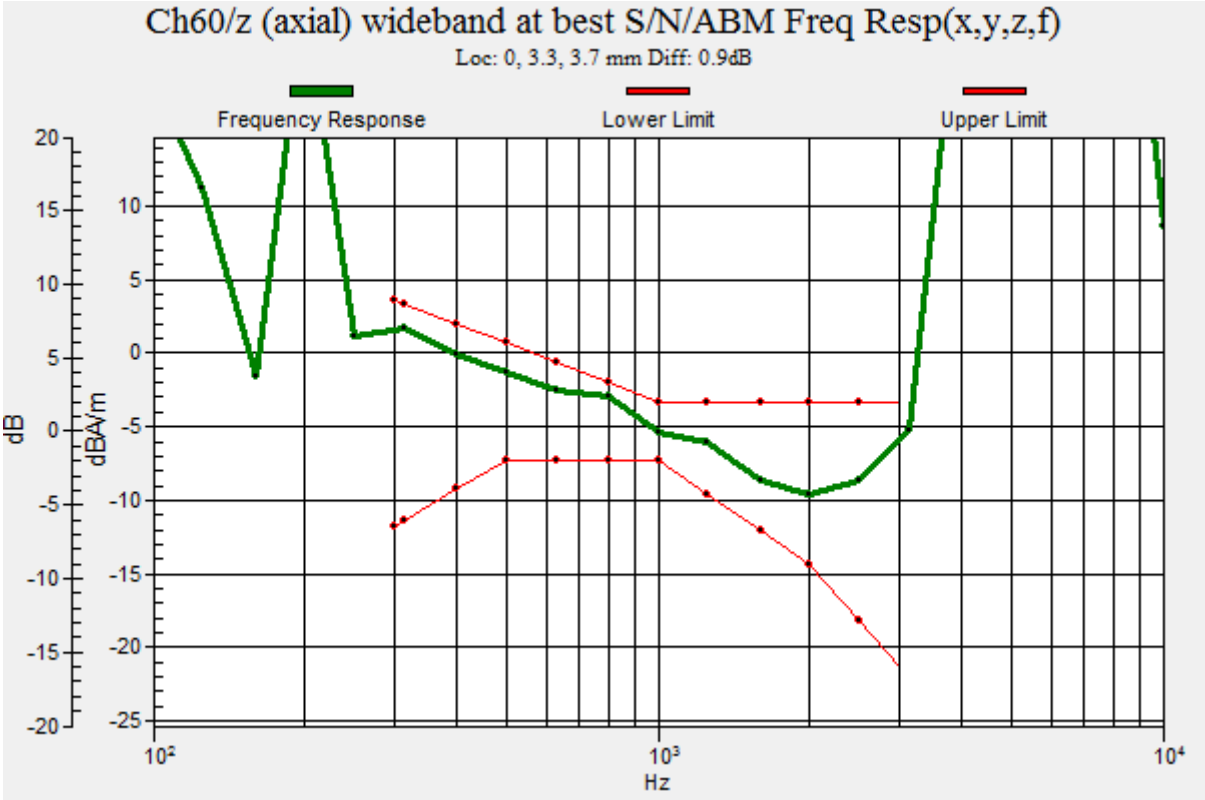
Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5300 MHz;Duty Cycle: 1:6.85488
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 37.74 dB
ABM1 comp = -2.78 dBA/m
BWC Factor = 0.16 dB
Location: 0, 3.3, 3.7 mm



0 dB = 77.07 = 37.74 dB


Ch60/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, 3.3, 3.7 mm Diff: 0.9dB
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
-25
10²
10³
10⁴

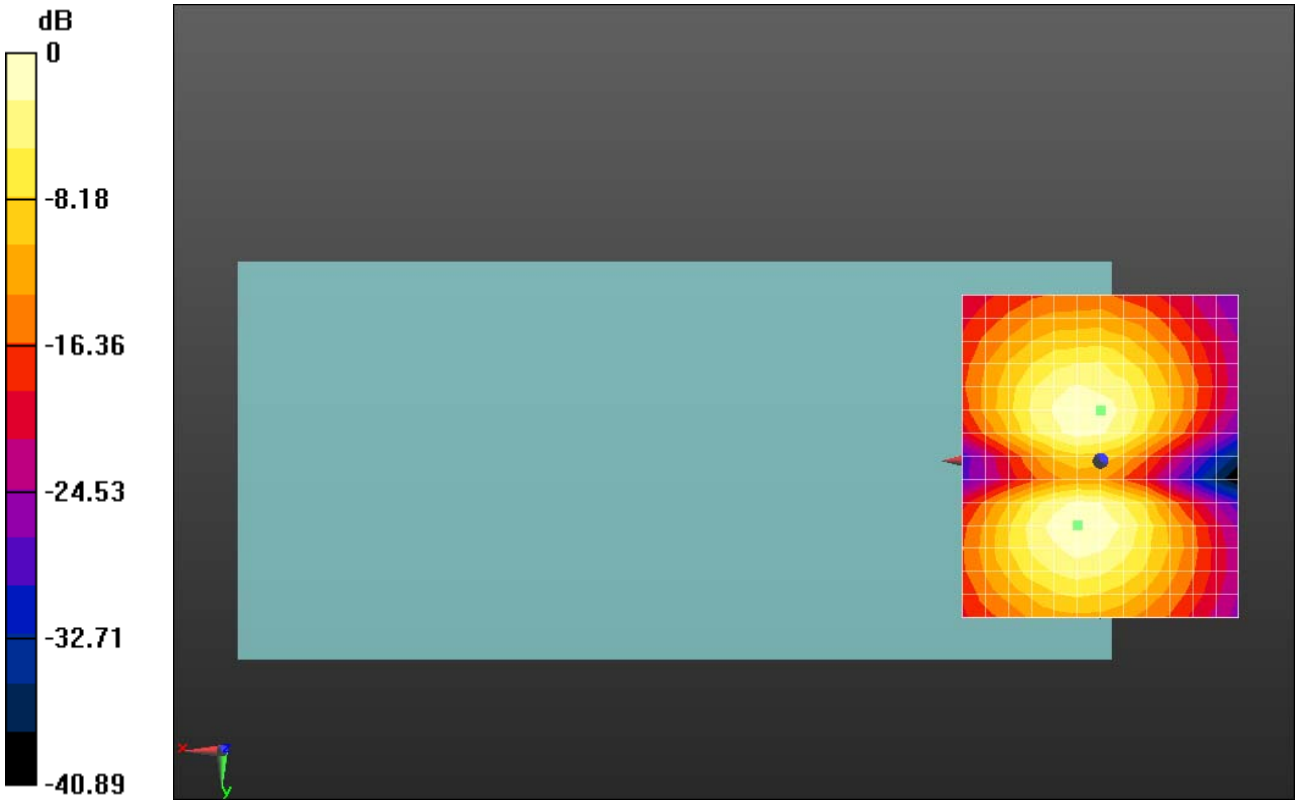
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.3GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch60_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5300 MHz;Duty Cycle: 1:6.85488
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 36.44 dB
ABM1 comp = -10.15 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 66.41 = 36.44 dB

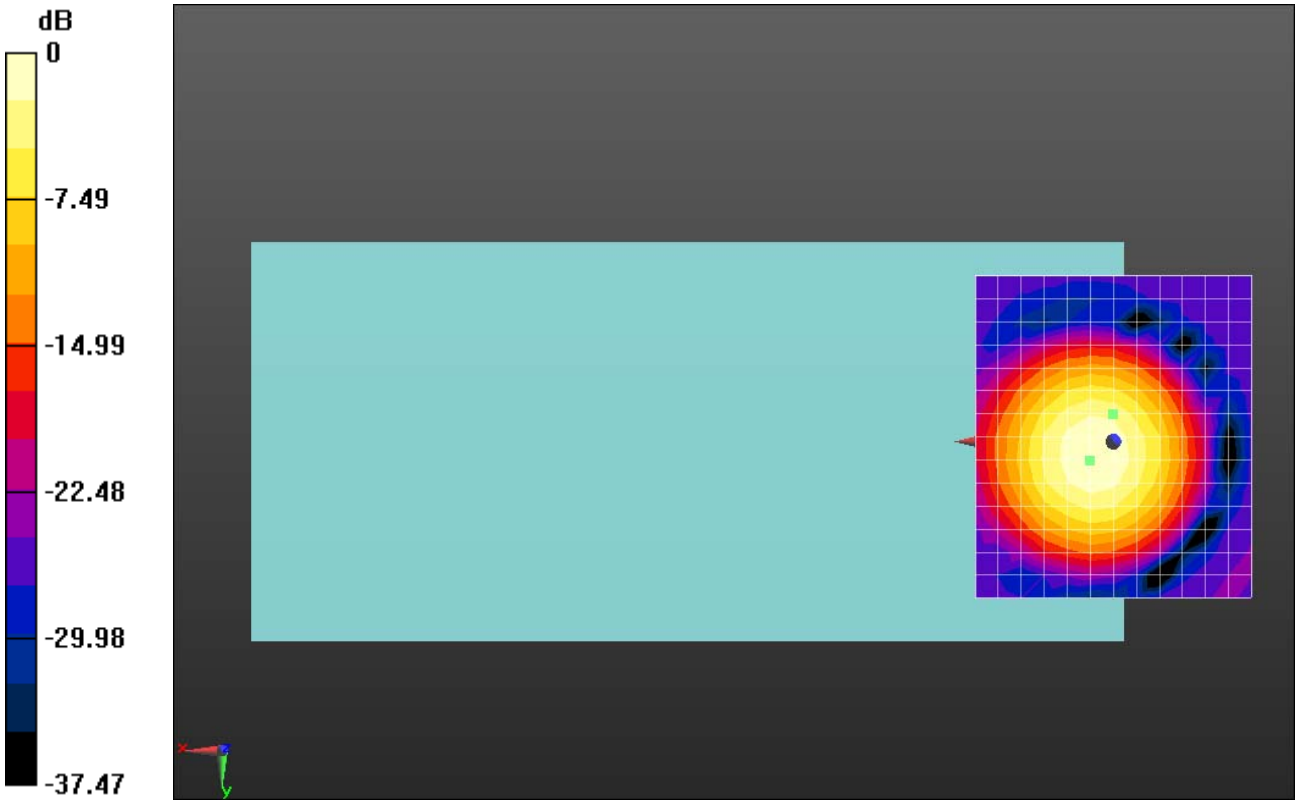
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.5GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch120_Z

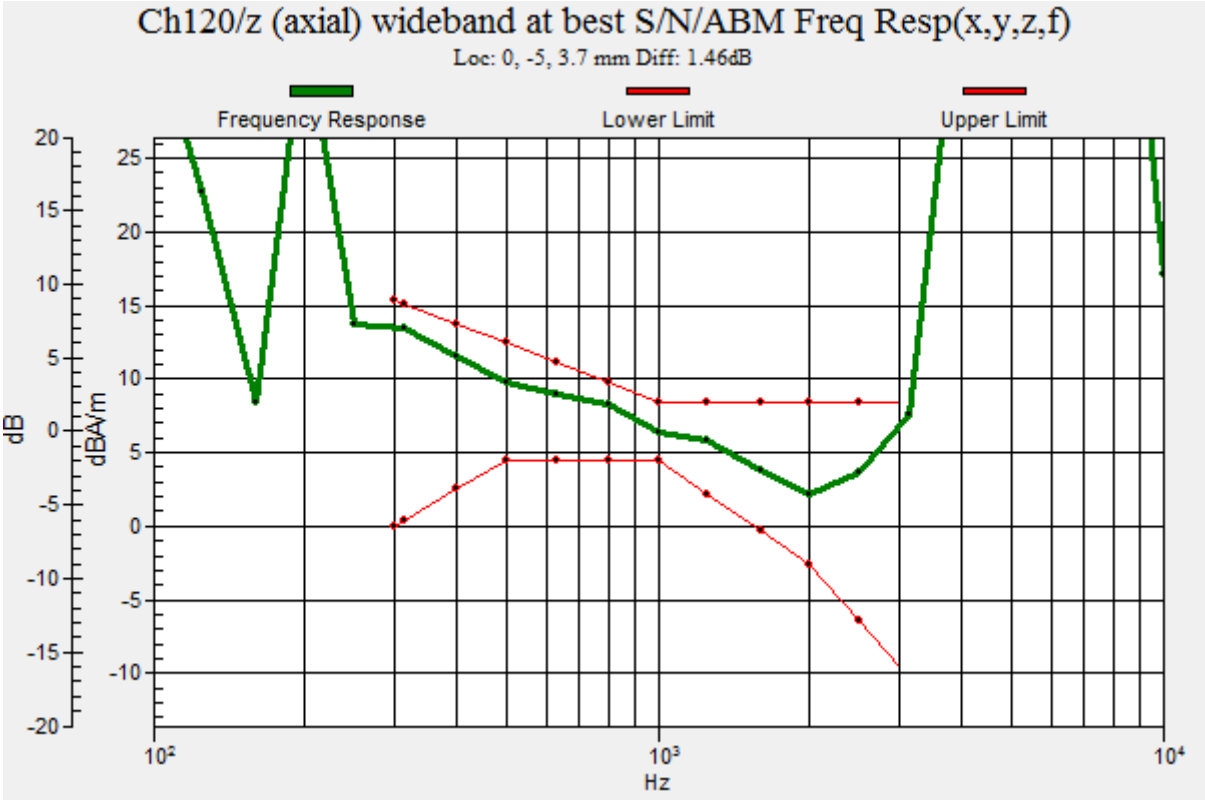
Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5600 MHz;Duty Cycle: 1:6.85488
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch120/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 38.77 dB
ABM1 comp = 8.77 dBA/m
BWC Factor = 0.16 dB
Location: 0, -5, 3.7 mm



0 dB = 86.77 = 38.77 dB


Ch120/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -5, 3.7 mm Diff: 1.46dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
10²
10³
10⁴

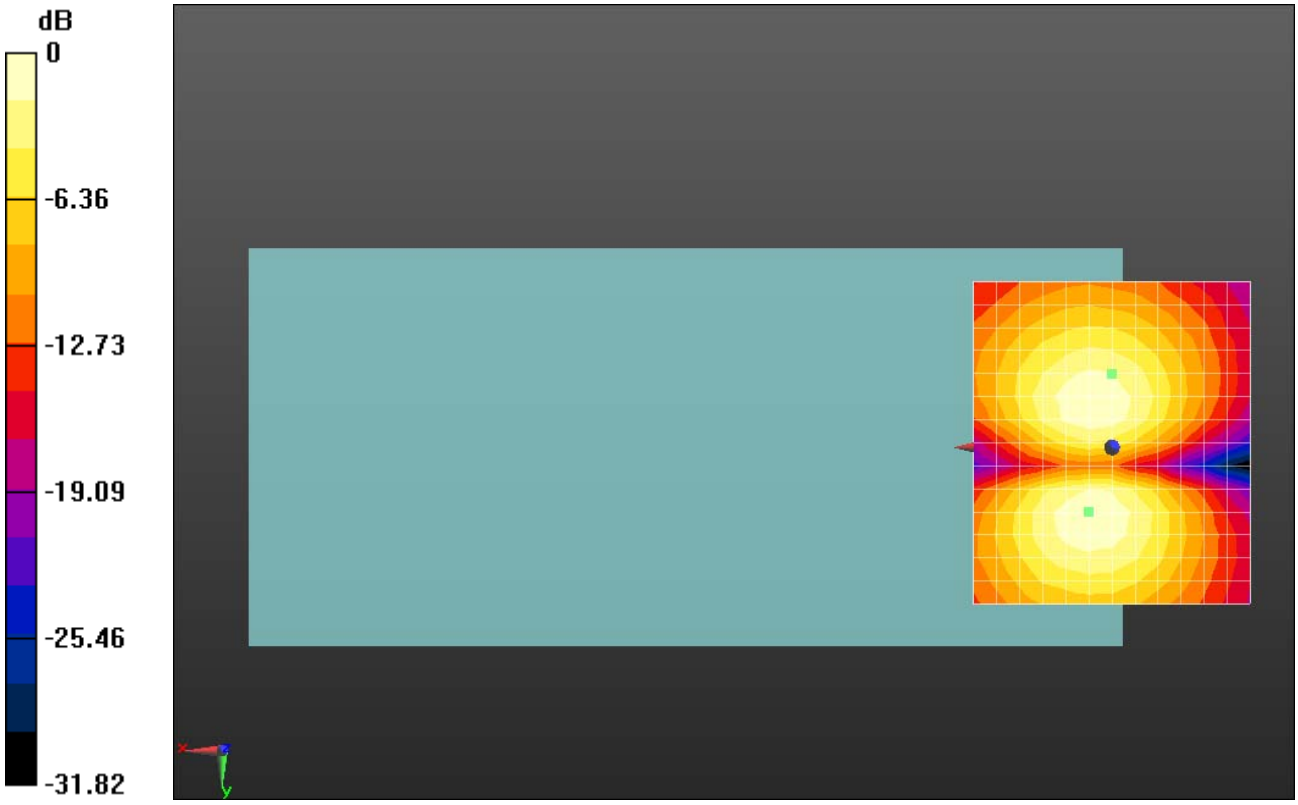
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.5GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch120_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5600 MHz;Duty Cycle: 1:6.85488
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch120/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 38.82 dB
ABM1 comp = 3.18 dBA/m
BWC Factor = 0.16 dB
Location: 0, -13.3, 3.7 mm



0 dB = 87.29 = 38.82 dB

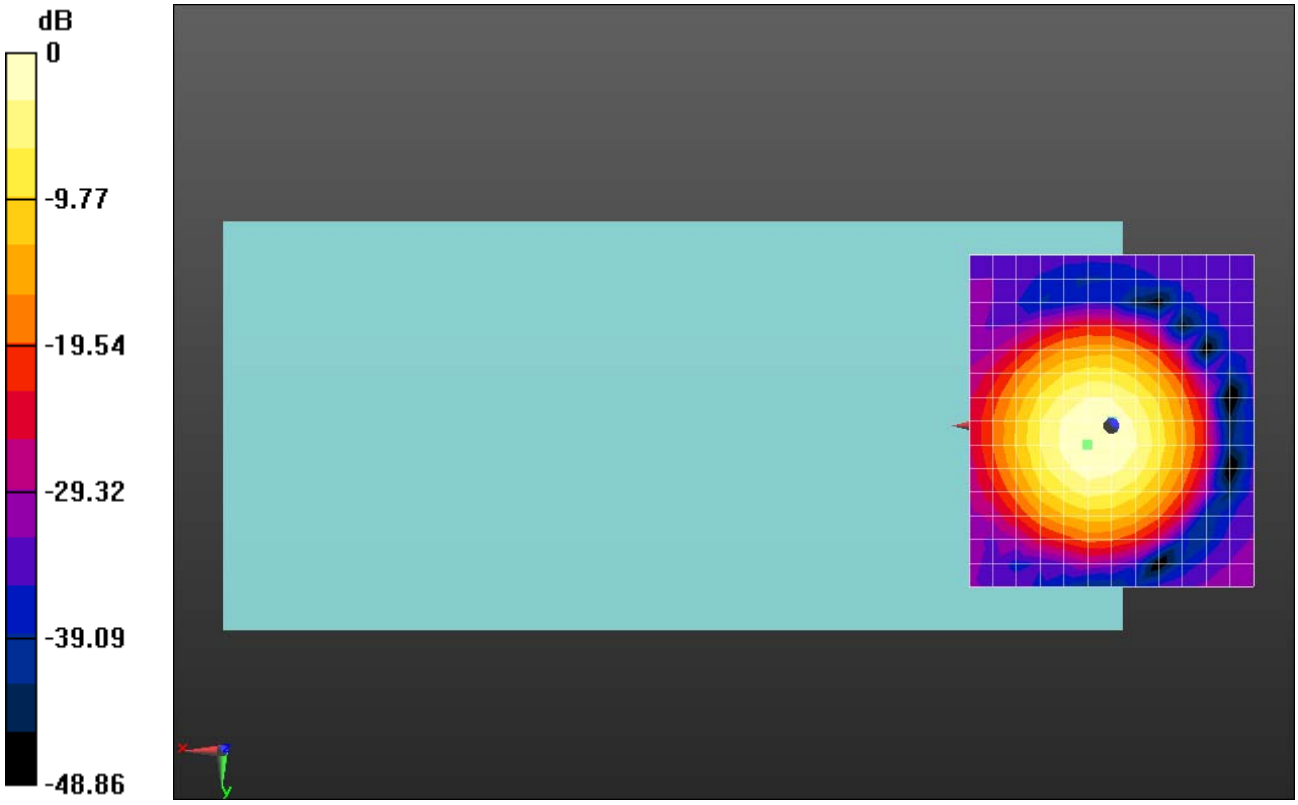
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.8GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch157_Z

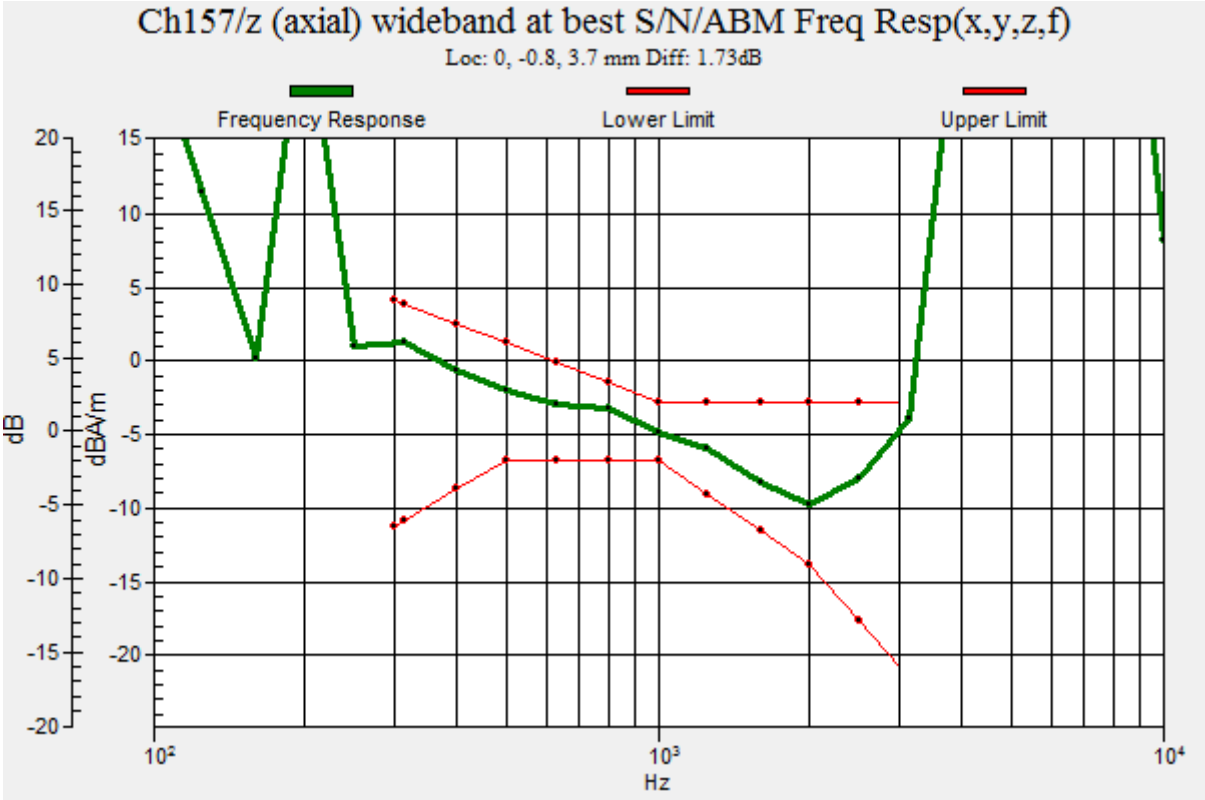
Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz;Duty Cycle: 1:6.85488
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 37.87 dB
ABM1 comp = -3.29 dBA/m
BWC Factor = 0.16 dB
Location: 0, -0.8, 3.7 mm



0 dB = 78.26 = 37.87 dB


Ch157/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.73dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

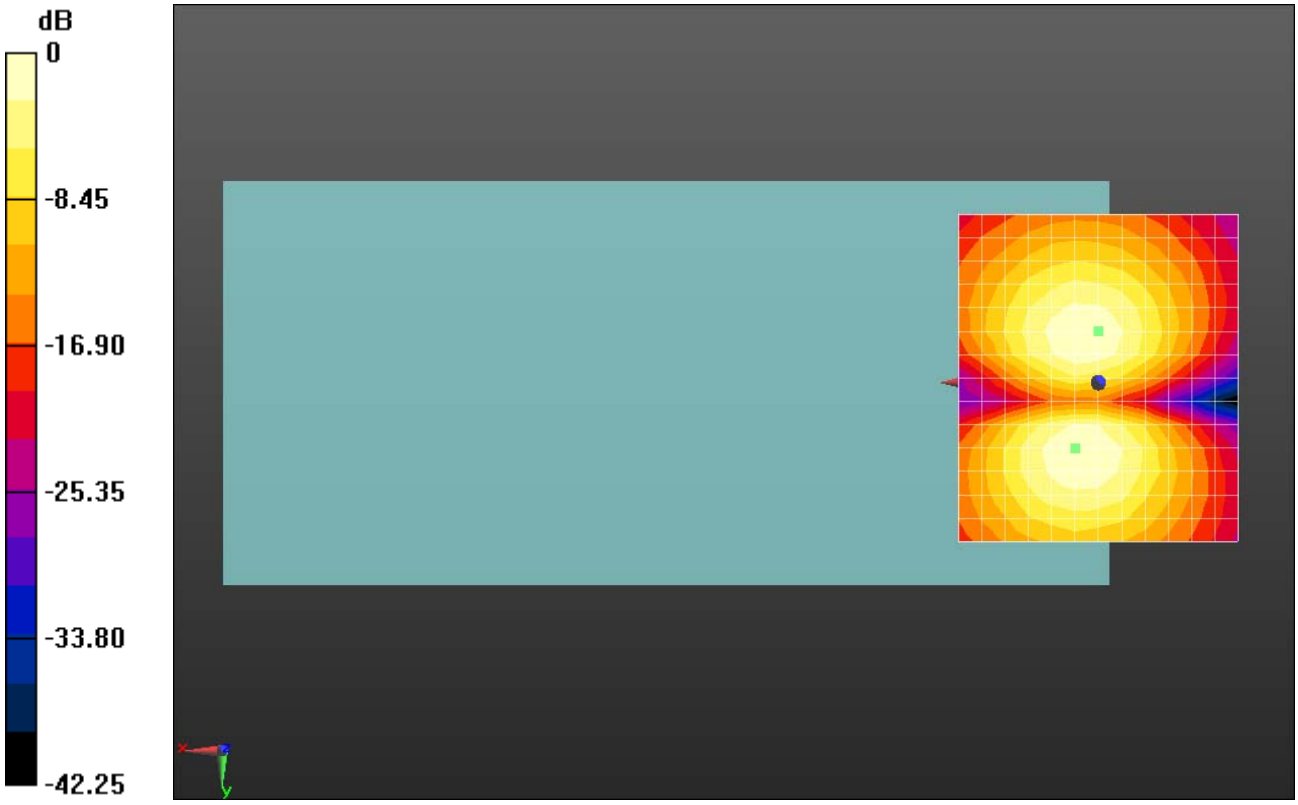
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.8GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch157_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz;Duty Cycle: 1:6.85488
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 36.19 dB
ABM1 comp = -10.39 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 64.48 = 36.19 dB

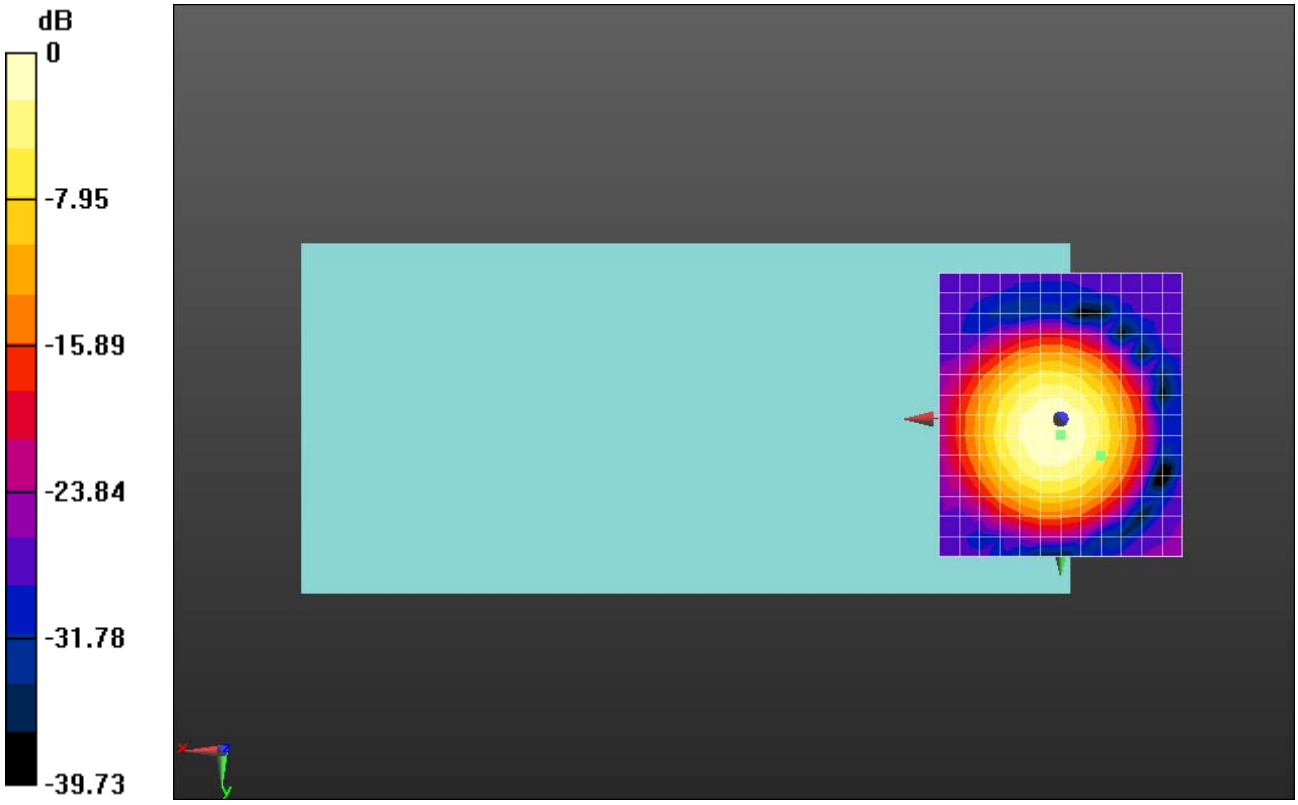
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.8GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch157_Z

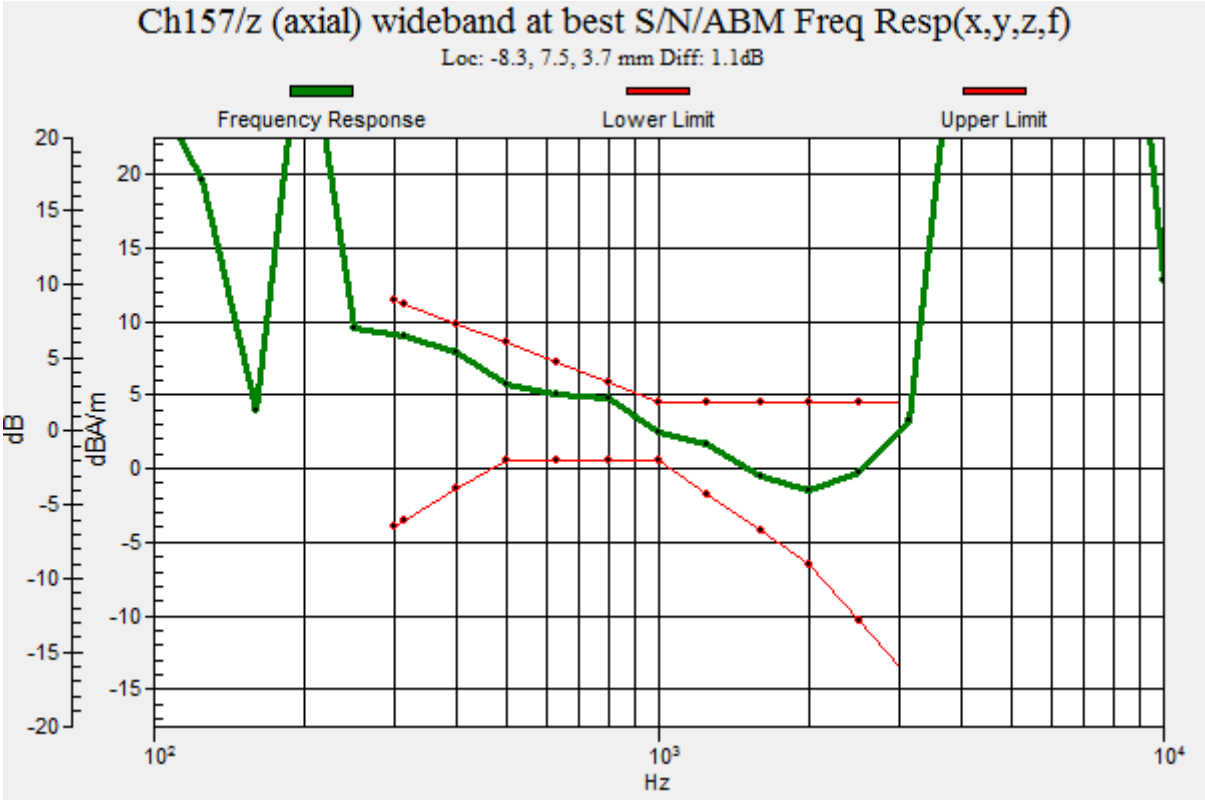
Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);
Frequency: 5785 MHz;Duty Cycle: 1:6.44169
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 38.76 dB
ABM1 comp = 4.95 dBA/m
BWC Factor = 0.16 dB
Location: -8.3, 7.5, 3.7 mm



0 dB = 86.69 = 38.76 dB


Ch157/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -8.3, 7.5, 3.7 mm Diff: 1.1dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

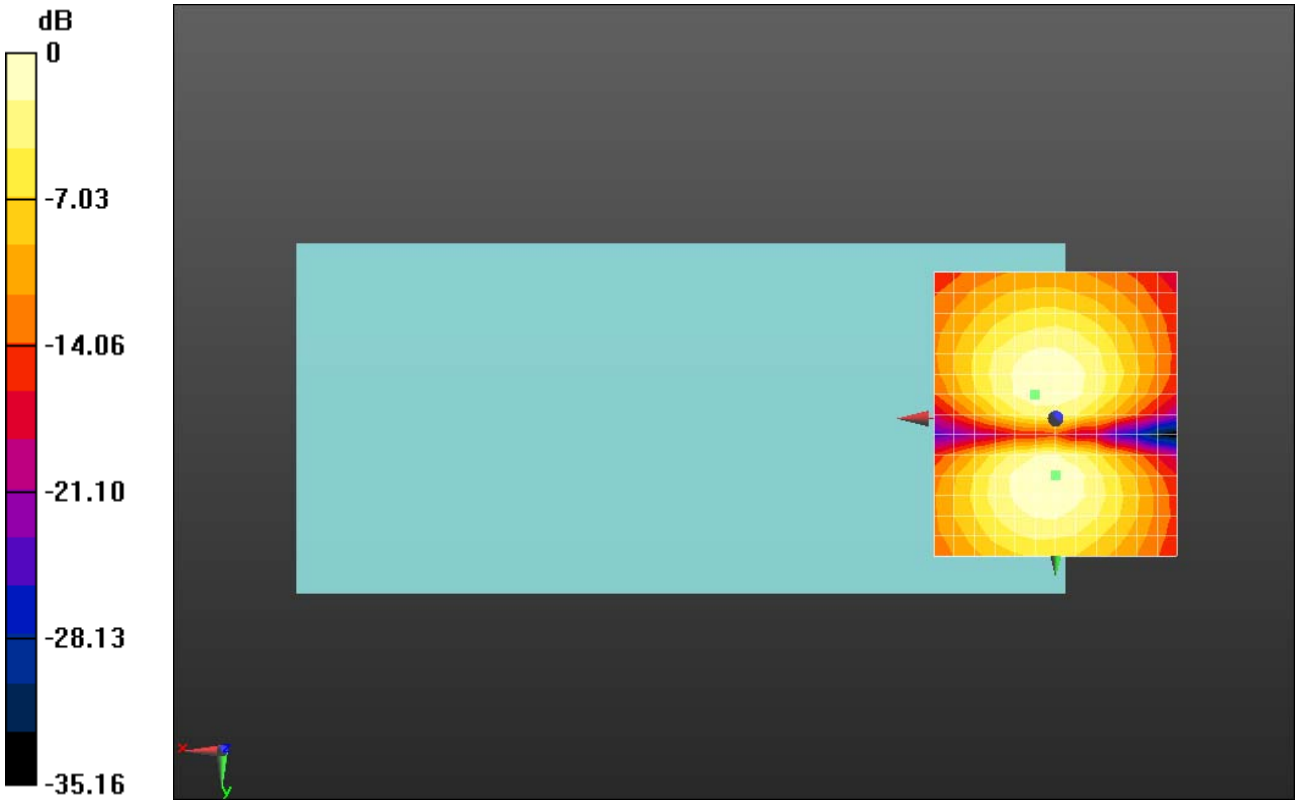
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.8GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch157_Y

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);
Frequency: 5785 MHz;Duty Cycle: 1:6.44169
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 38.43 dB
ABM1 comp = 4.78 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, -5, 3.7 mm



0 dB = 83.50 = 38.43 dB

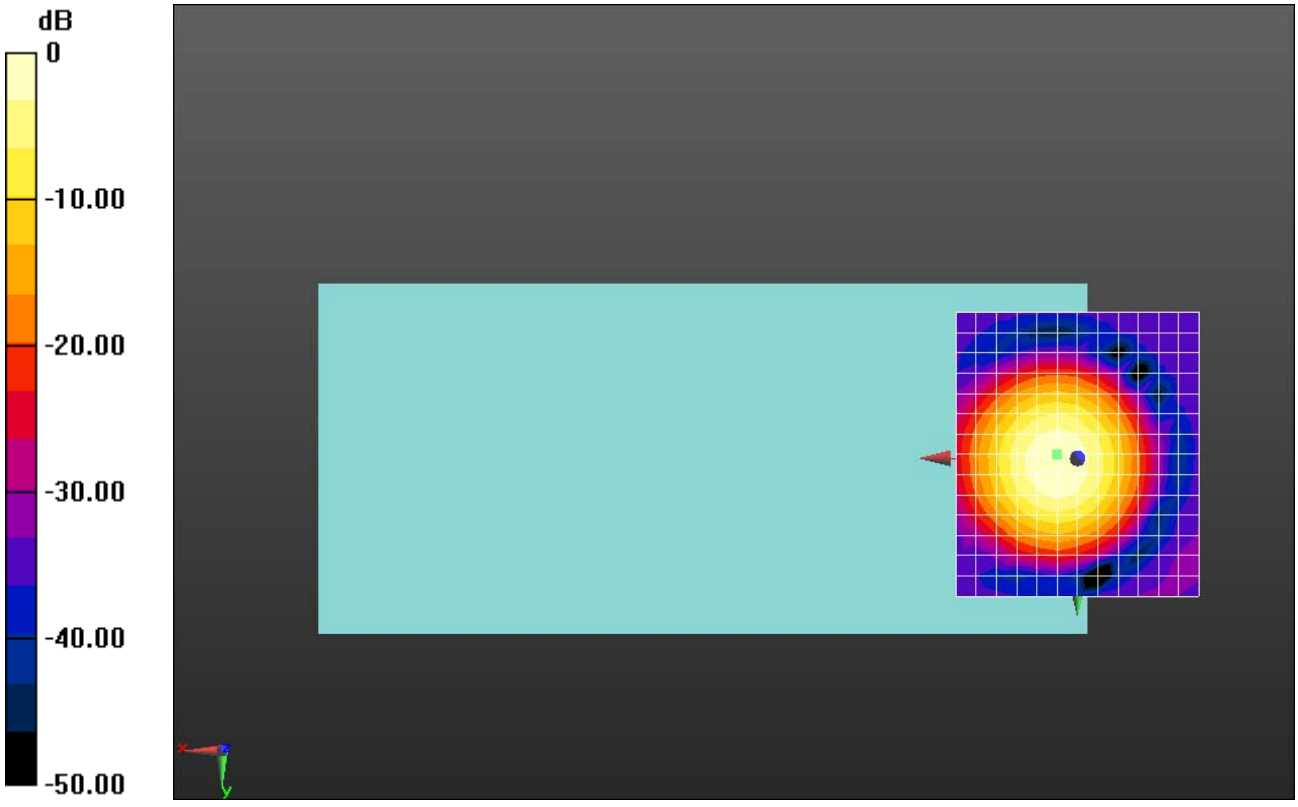
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.8GHz_802.11n HT40 MCS0_AMR 4.75Kbps_Ch159_Z

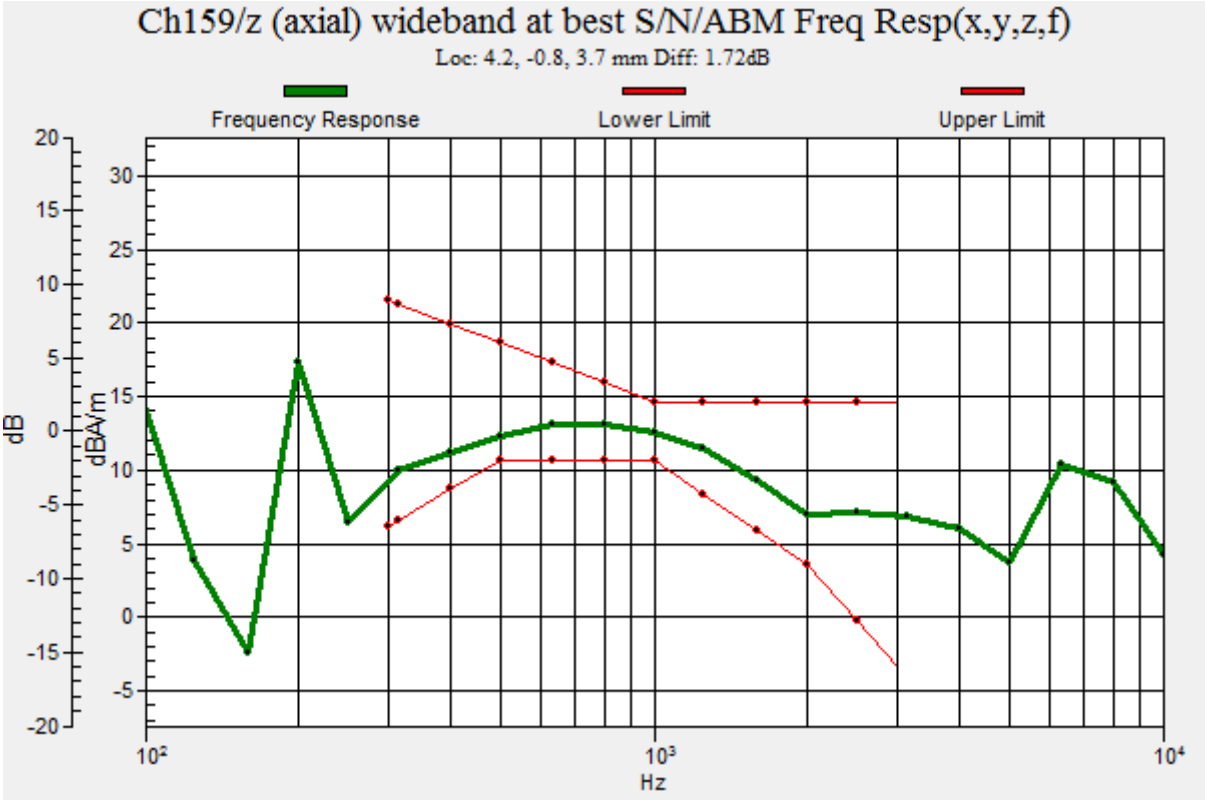
Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);
Frequency: 5795 MHz;Duty Cycle: 1:6.4121
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 57.77 dB
ABM1 comp = 11.15 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, -0.8, 3.7 mm



0 dB = 773.2 = 57.77 dB


Ch159/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 4.2, -0.8, 3.7 mm Diff: 1.72dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
10²
10³
10⁴

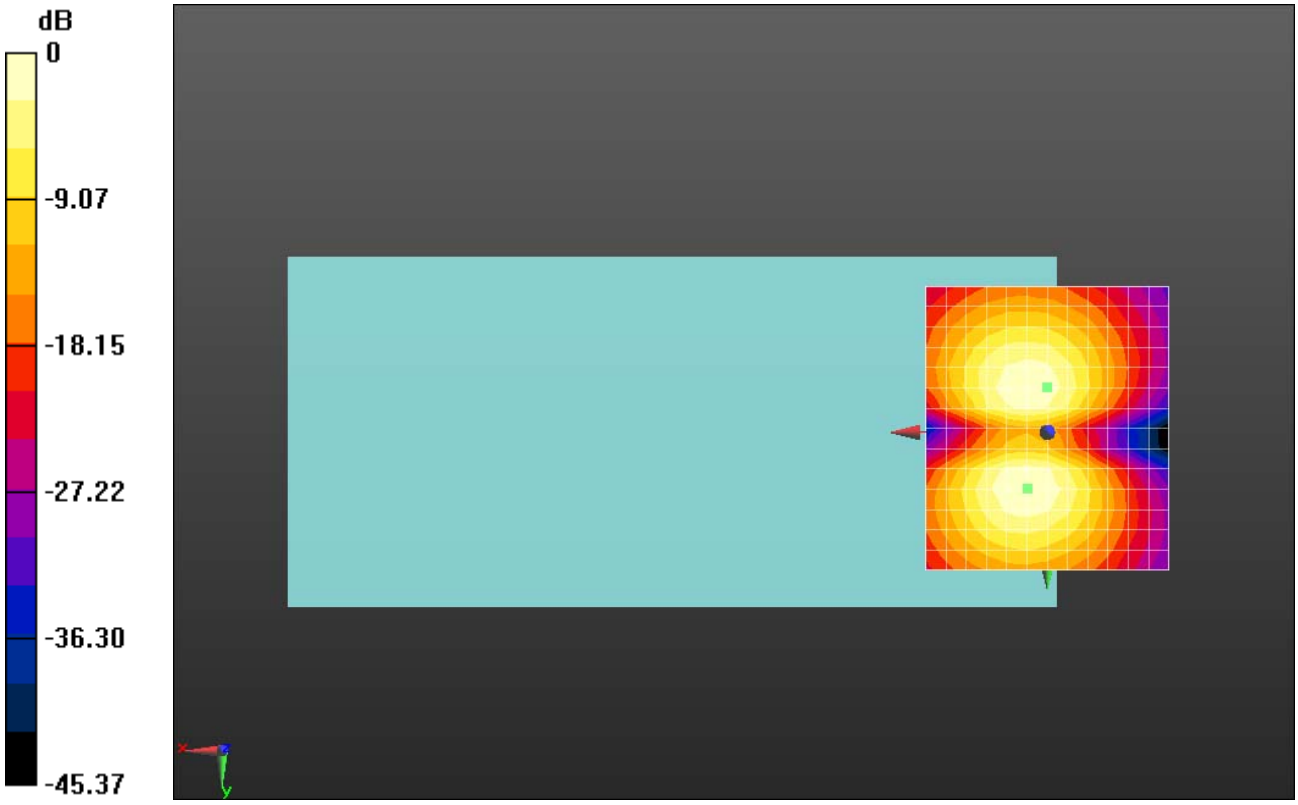
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.22

HAC_T-Coil_VoWiFi 5.8GHz_802.11n HT40 MCS0_AMR 4.75Kbps_Ch159_Y

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);
Frequency: 5795 MHz;Duty Cycle: 1:6.4121
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 52.80 dB
ABM1 comp = 3.14 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 436.7 = 52.80 dB

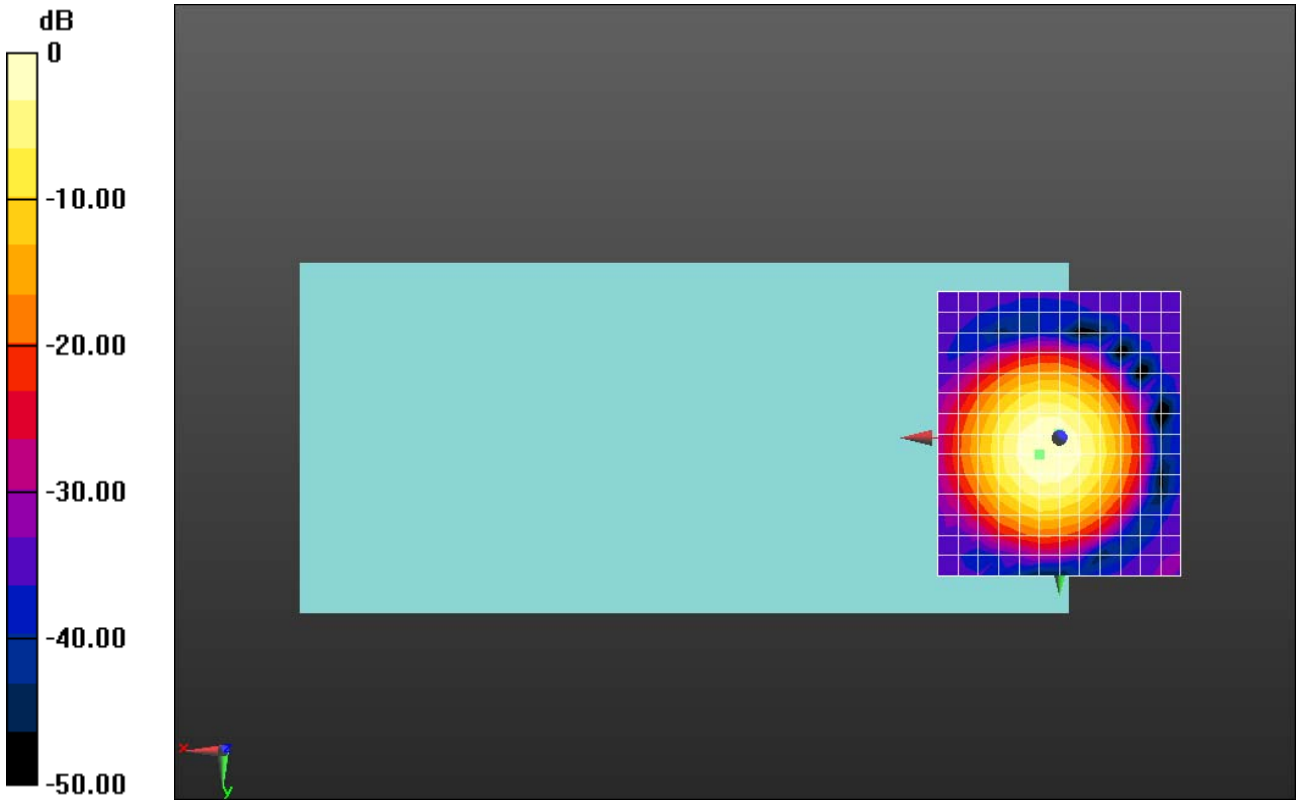
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.23

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT20 MCS0_AMR 4.75Kbps_Ch157_Z

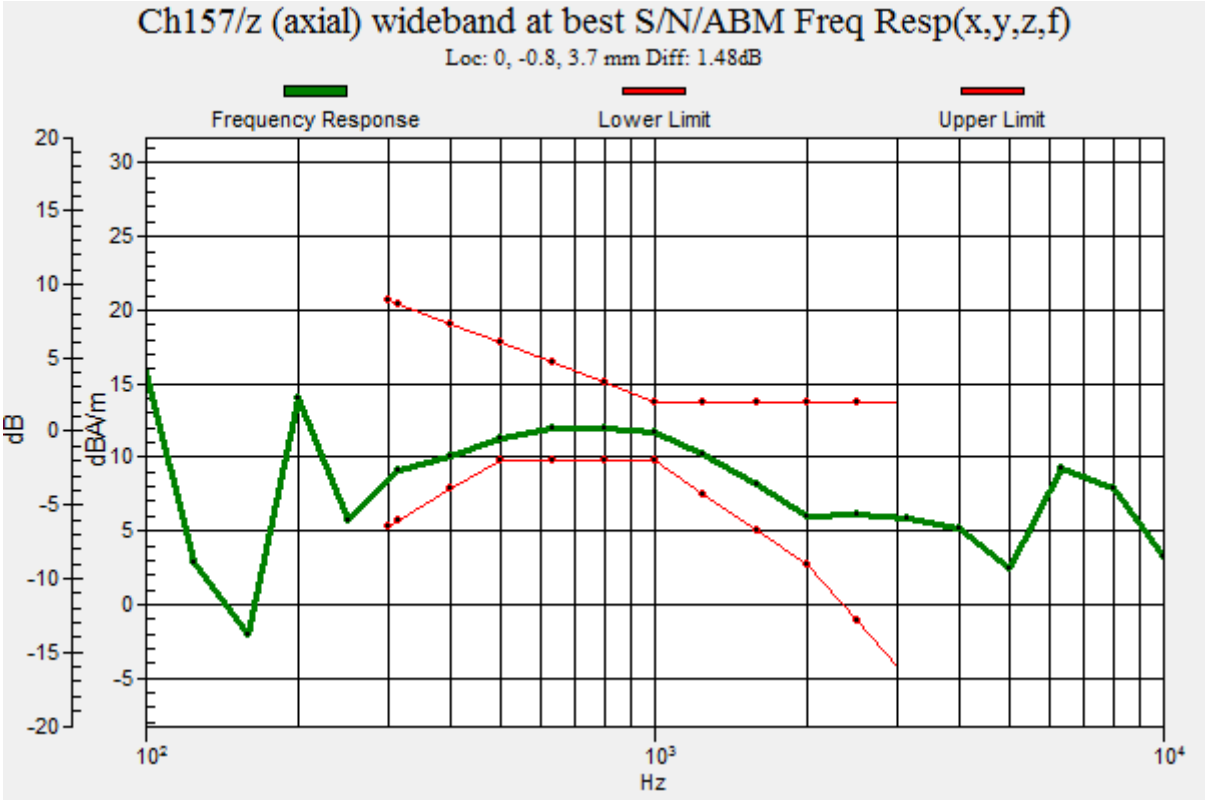
Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle); Frequency: 5785 MHz;Duty Cycle: 1:6.87068
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 58.51 dB
ABM1 comp = 10.50 dBA/m
BWC Factor = 0.16 dB
Location: 0, -0.8, 3.7 mm



0 dB = 842.0 = 58.51 dB


Ch157/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.48dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
30
25
20
15
10
5
0
-5
10²
10³
10⁴

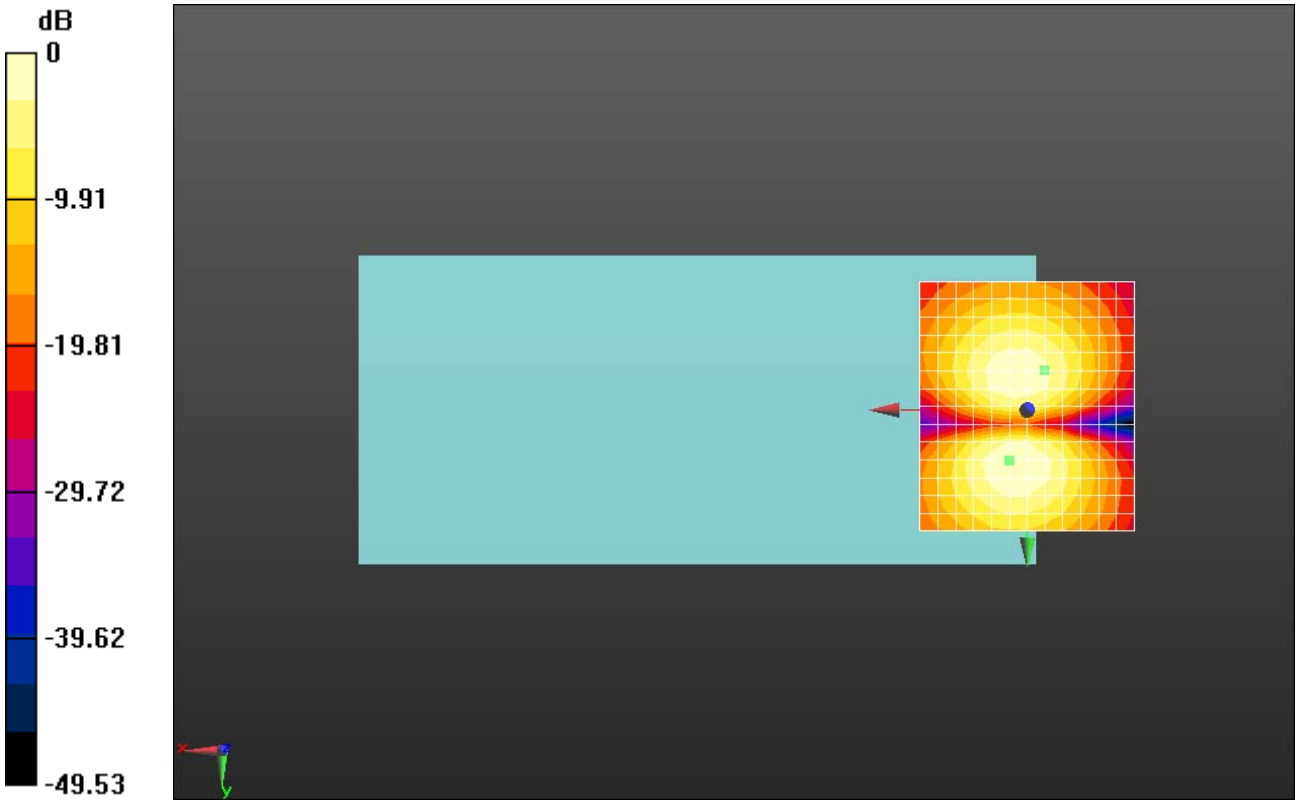
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.23

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT20 MCS0_AMR 4.75Kbps_Ch157_Y

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle); Frequency: 5785 MHz;Duty Cycle: 1:6.87068
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 52.87 dB
ABM1 comp = 1.69 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, -9.2, 3.7 mm



0 dB = 439.9 = 52.87 dB

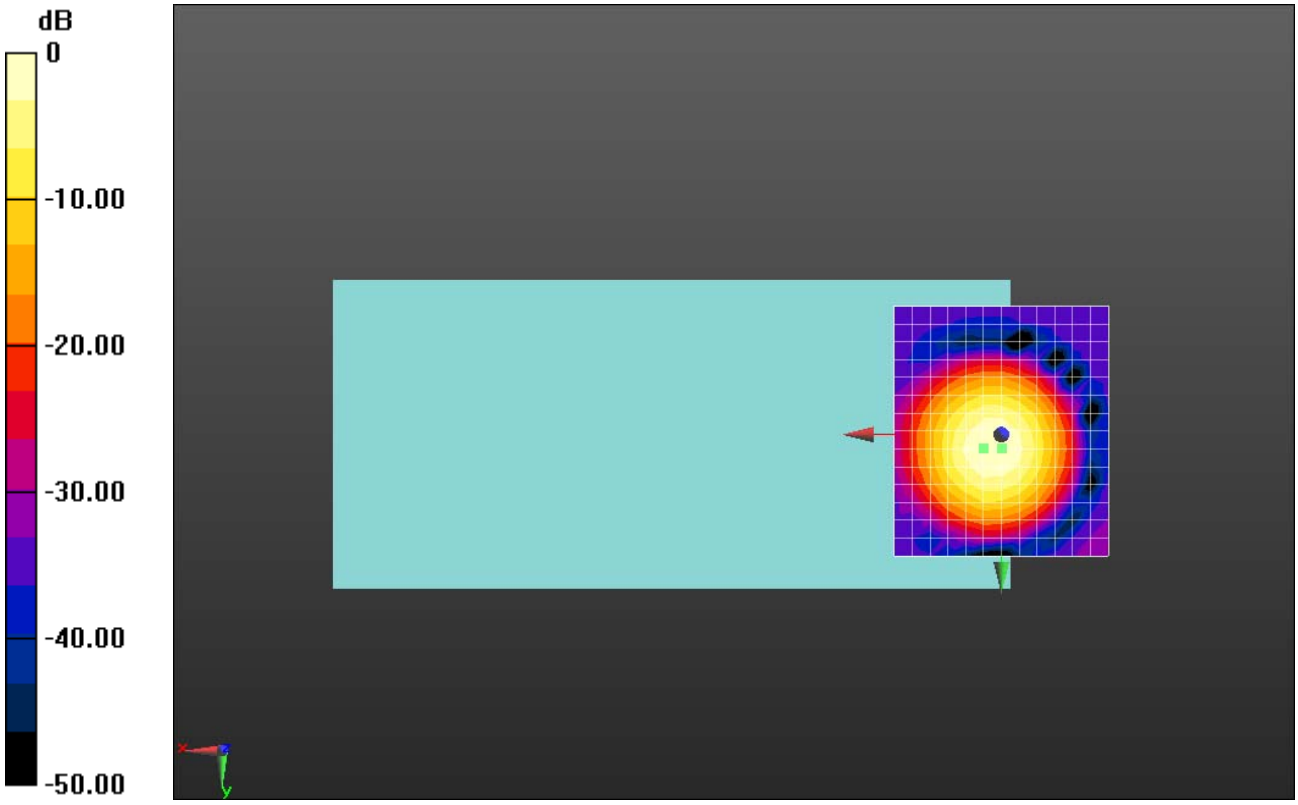
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.23

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT40 MCS0_AMR 4.75Kbps_Ch159_Z

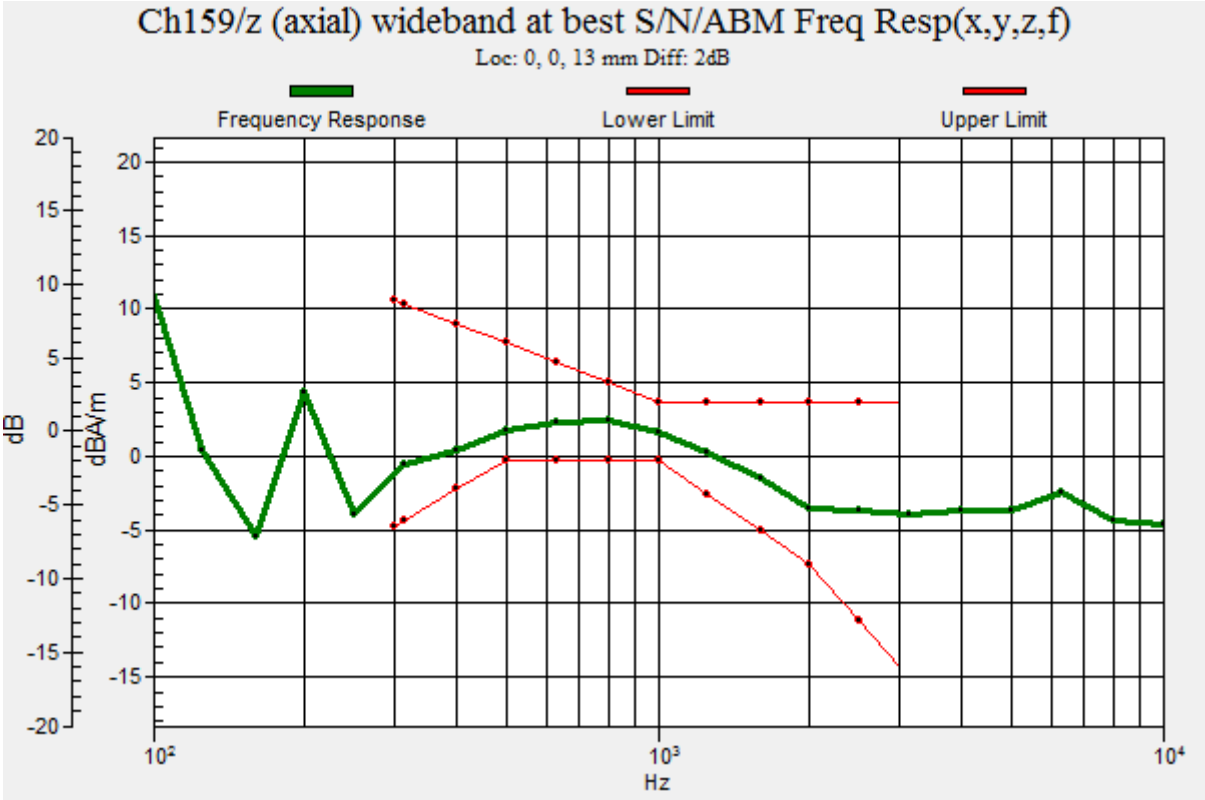
Communication System: UID 10401 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5795 MHz;Duty Cycle: 1:7.24436
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 58.15 dB
ABM1 comp = 11.11 dBA/m
BWC Factor = 0.16 dB
Location: 0, 3.3, 3.7 mm



0 dB = 808.2 = 58.15 dB


Ch159/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, 0, 13 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

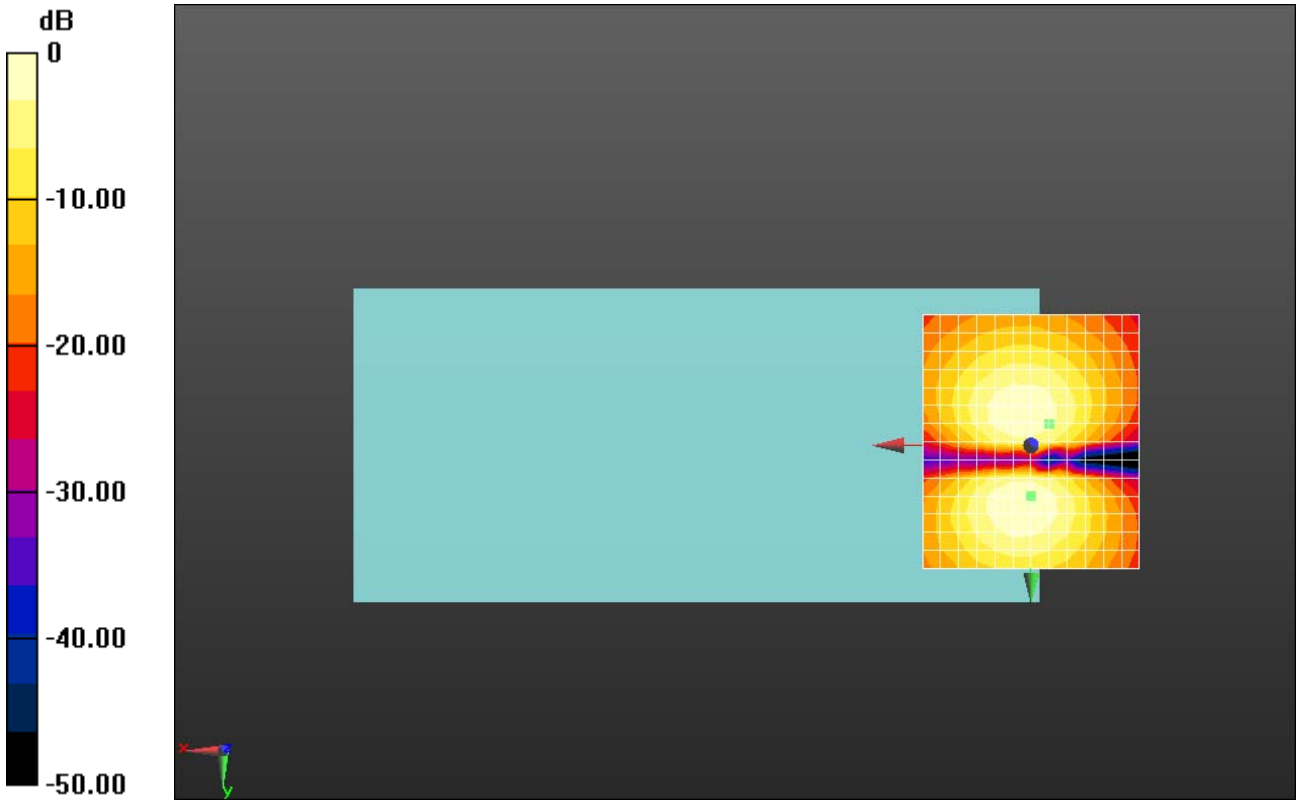
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.23

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT40 MCS0_AMR 4.75Kbps_Ch159_Y

Communication System: UID 10401 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5795 MHz;Duty Cycle: 1:7.24436
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 51.60 dB
ABM1 comp = 1.71 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, -5, 3.7 mm



0 dB = 380.3 = 51.60 dB

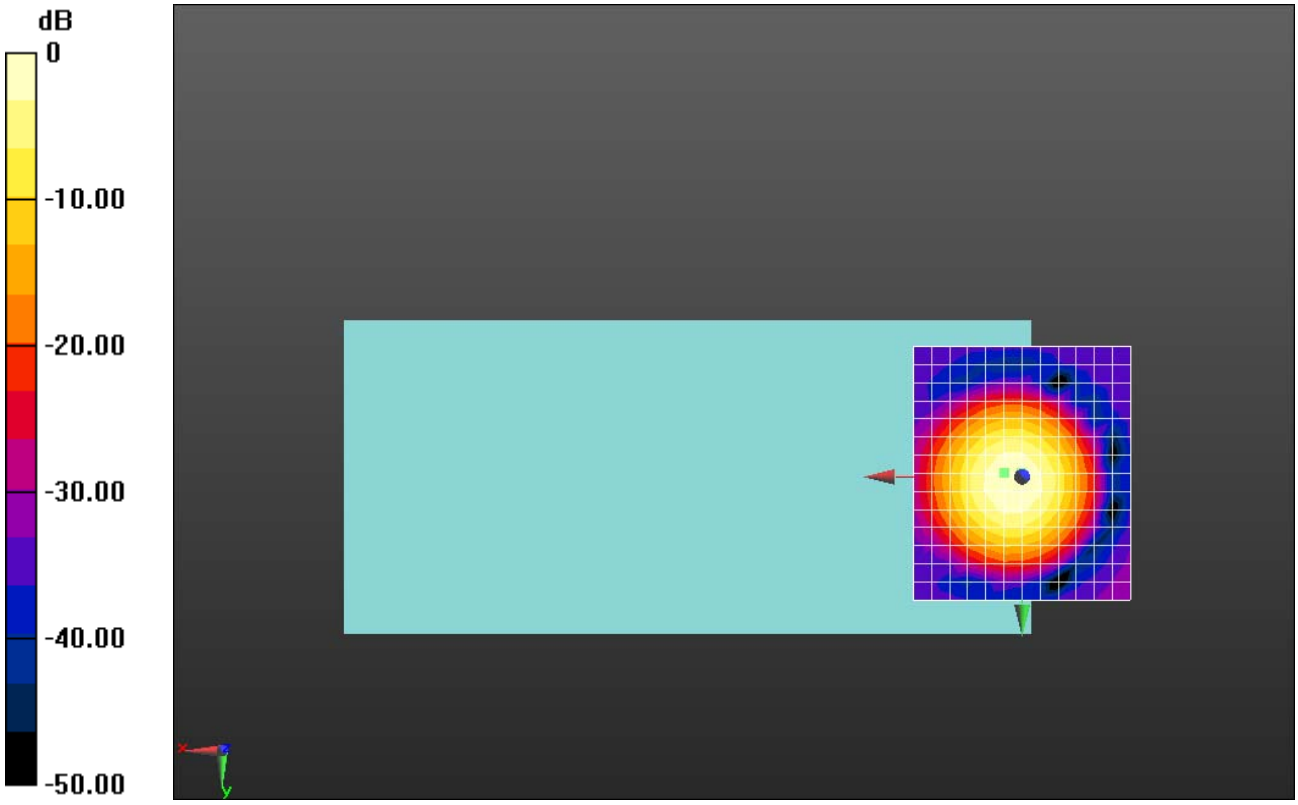
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.23

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT80 MCS0_AMR 4.75Kbps_Ch155_Z

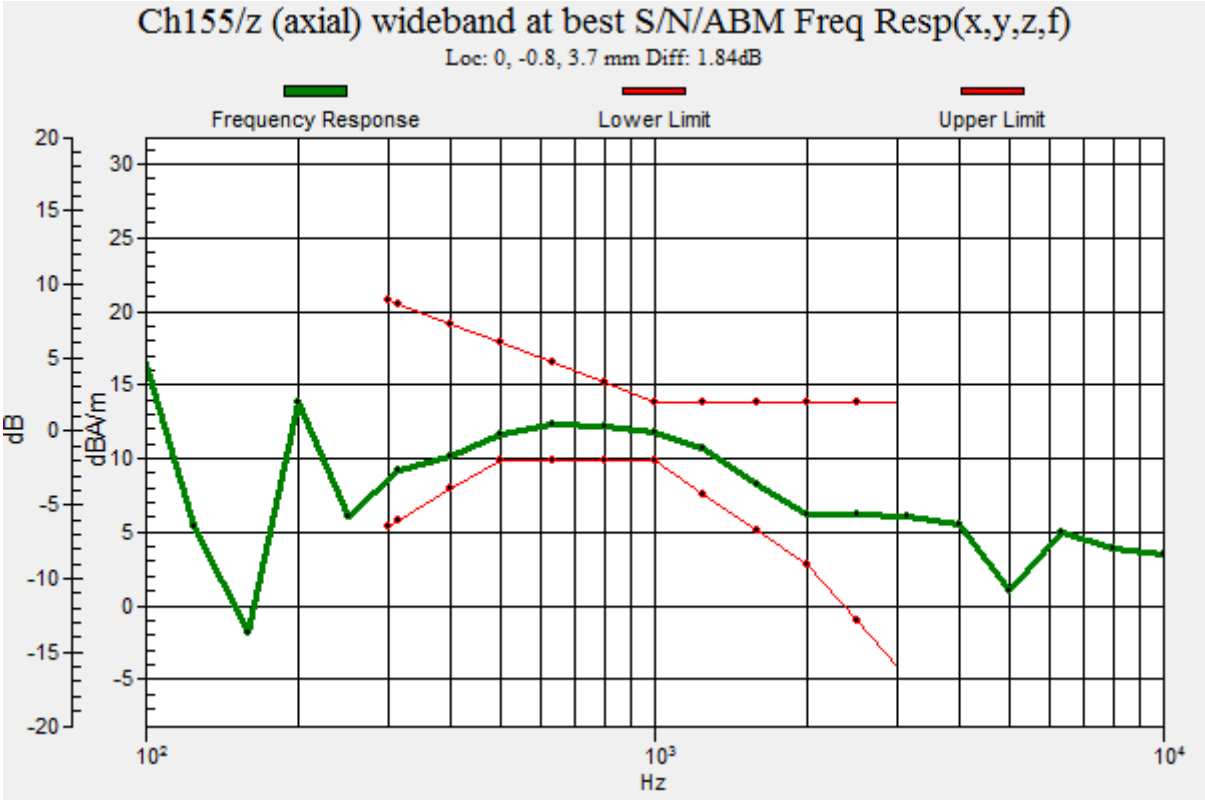
Communication System: UID 10402 - AAA, IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle); Frequency: 5775 MHz;Duty Cycle: 1:7.12853
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 58.45 dB
ABM1 comp = 10.75 dBA/m
BWC Factor = 0.16 dB
Location: 0, -0.8, 3.7 mm



0 dB = 836.5 = 58.45 dB


Ch155/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.8, 3.7 mm Diff: 1.84dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
30
25
20
15
10
5
0
-5
10^2
10^3
10^4

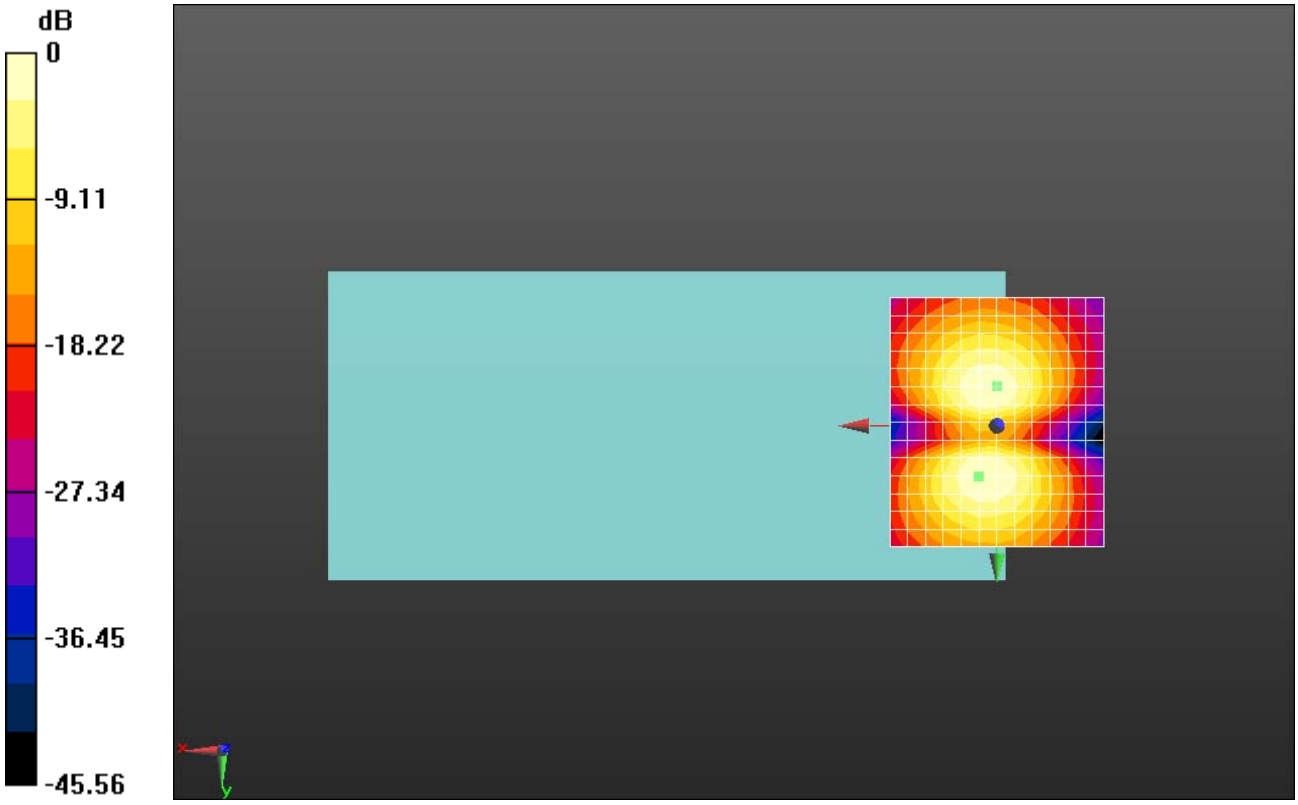
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2023.07.23

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT80 MCS0_AMR 4.75Kbps_Ch155_Y

Communication System: UID 10402 - AAA, IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle); Frequency: 5775 MHz;Duty Cycle: 1:7.12853
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 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 53.39 dB
ABM1 comp = 3.52 dBA/m
BWC Factor = 0.16 dB
Location: 0, -9.2, 3.7 mm



0 dB = 467.1 = 53.39 dB