



REPORT No.: SZ23050339S03

## Annex C Plots of T-Coil Test Results

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

Date: 2023.08.16

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

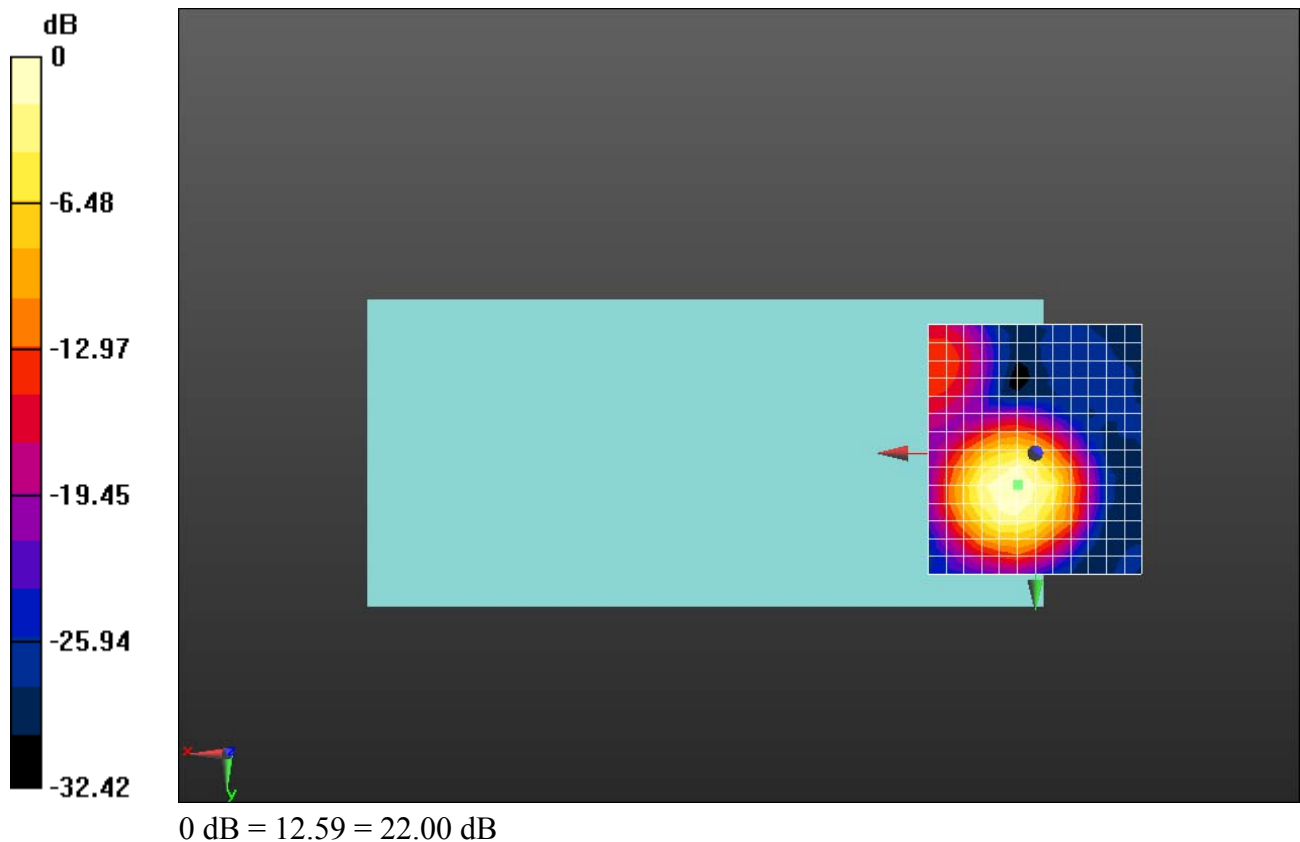
**Ch189/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

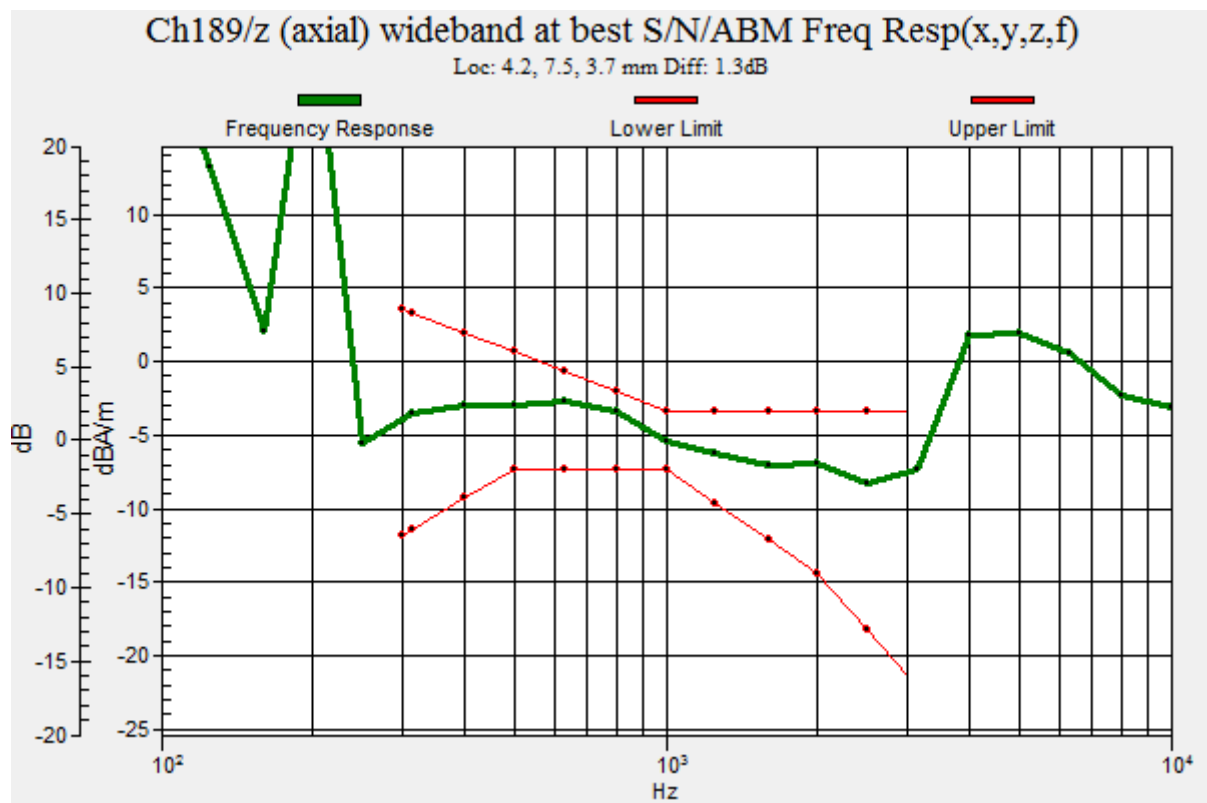
ABM1/ABM2 = 22.00 dB

ABM1 comp = -3.44 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, 7.5, 3.7 mm





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

Date: 2023.08.16

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

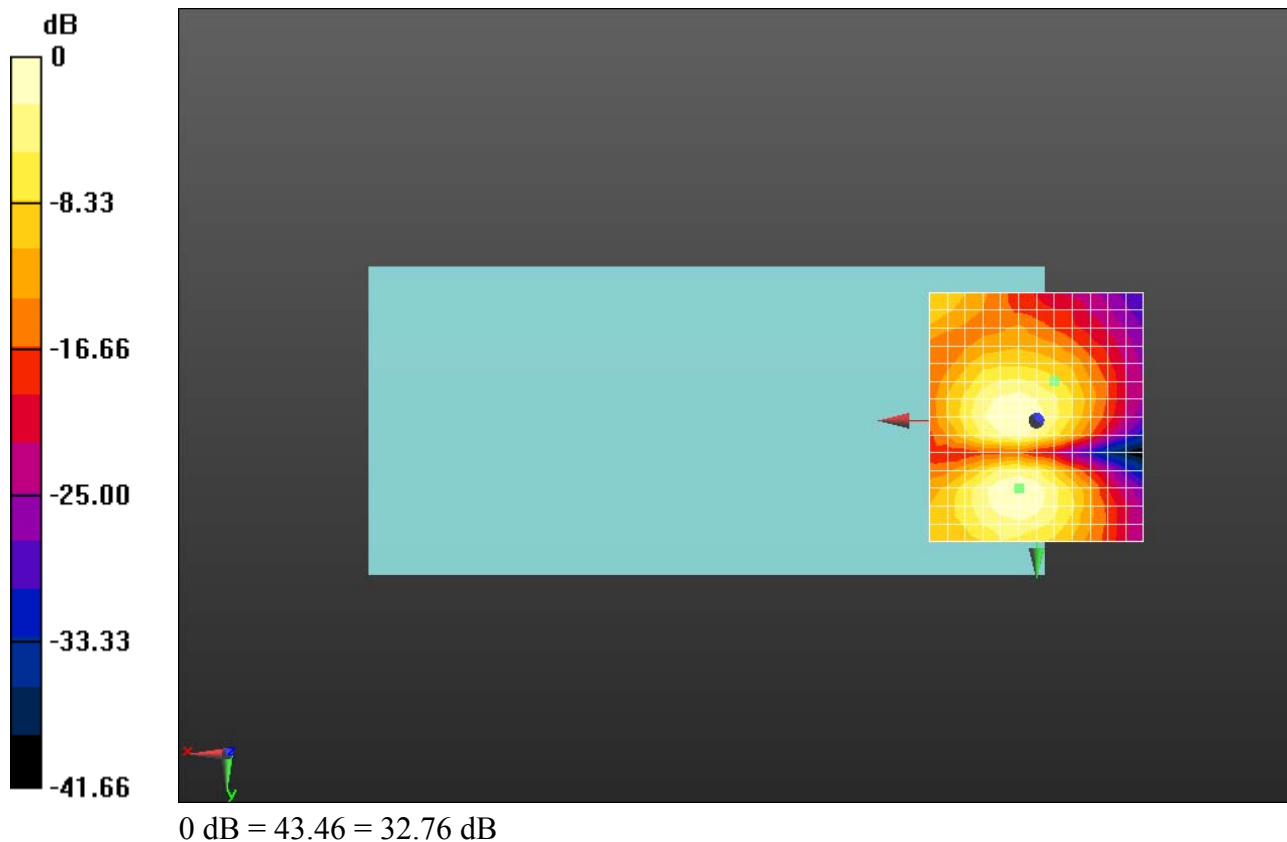
dx=10mm, dy=10mm

ABM1/ABM2 = 32.76 dB

ABM1 comp = -16.10 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -9.2, 3.7 mm



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

Date: 2023.08.16

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

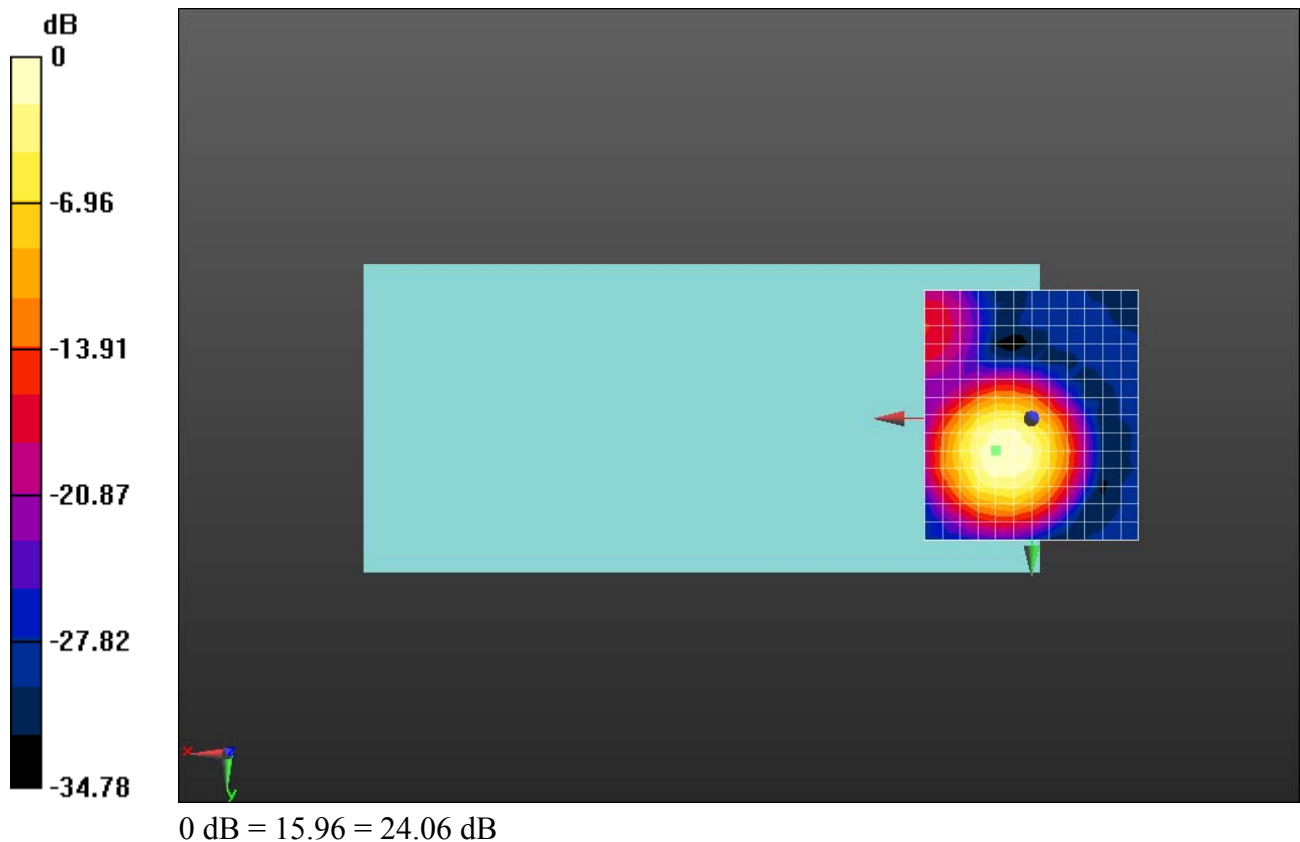
**Ch661/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

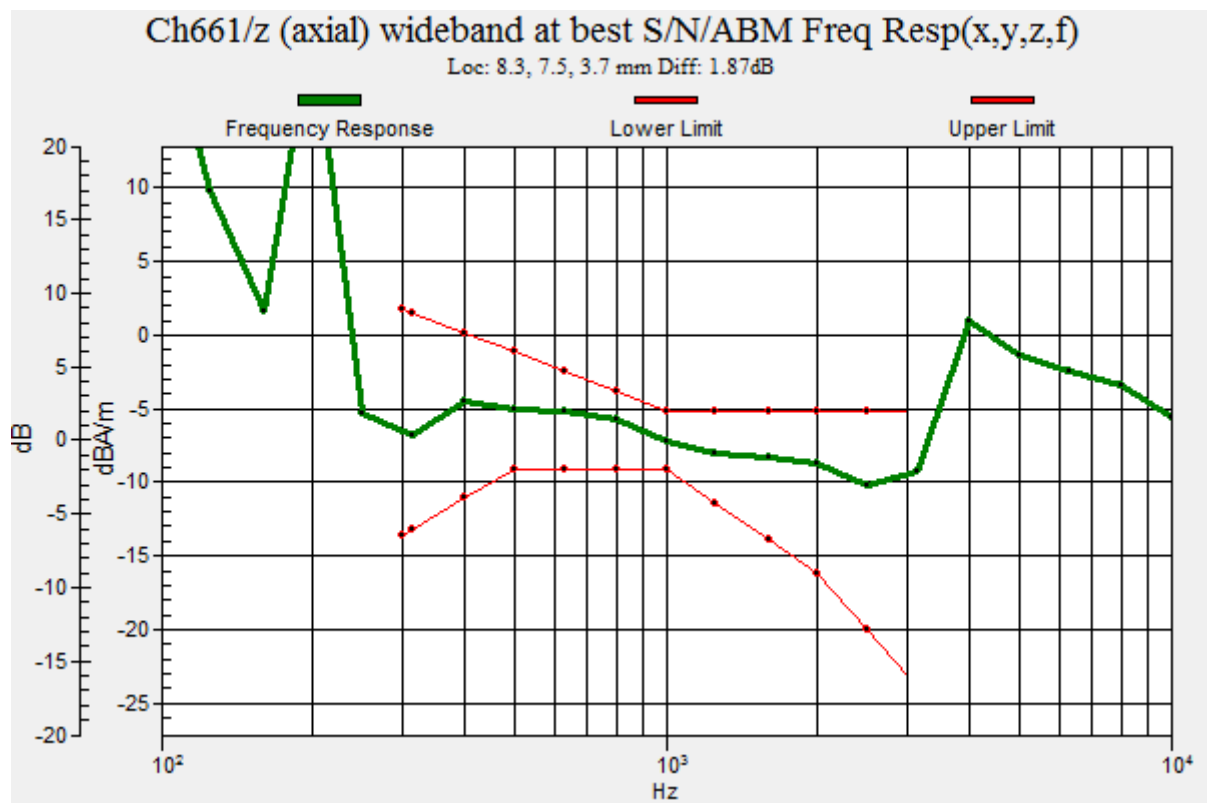
ABM1/ABM2 = 24.06 dB

ABM1 comp = -2.91 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 7.5, 3.7 mm





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

Date: 2023.08.16

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

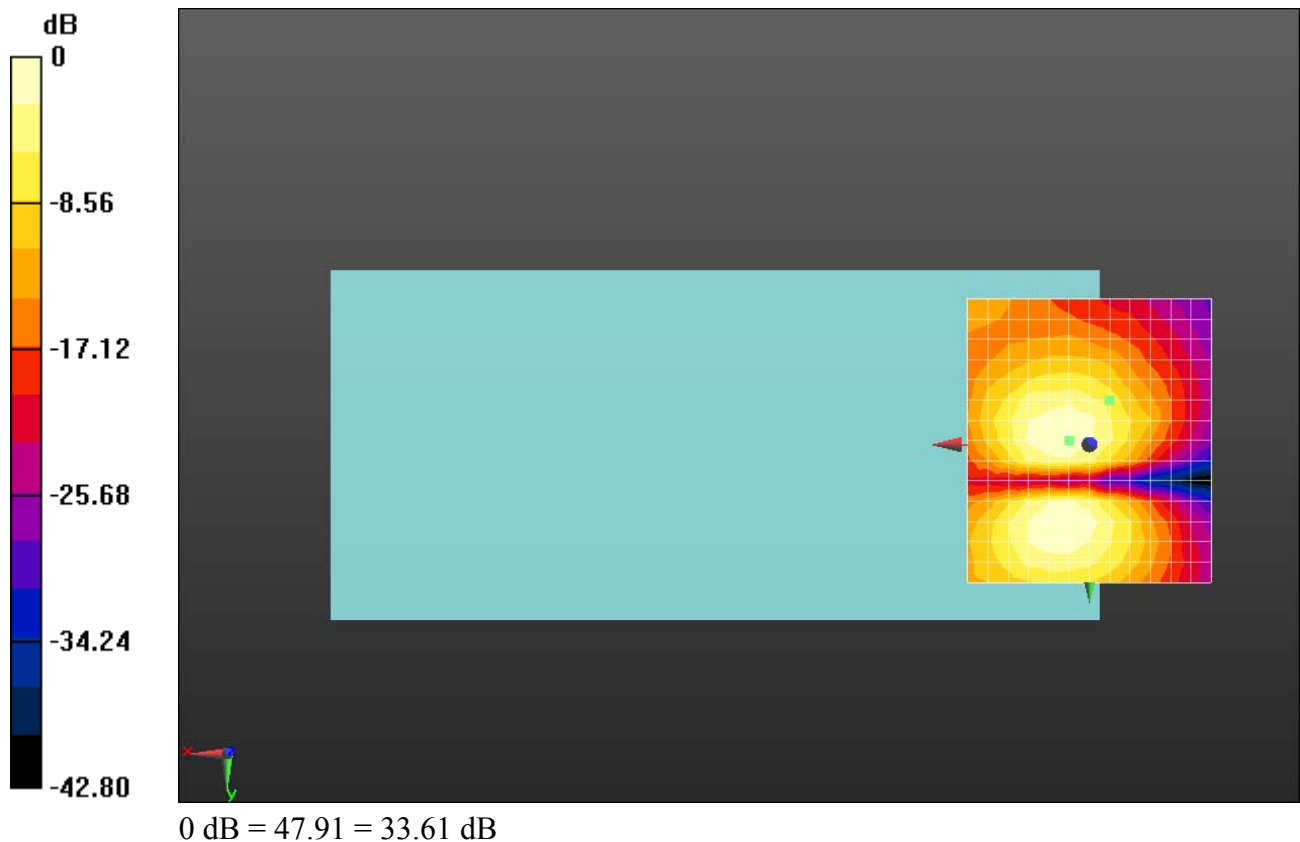
dx=10mm, dy=10mm

ABM1/ABM2 = 33.61 dB

ABM1 comp = -15.38 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.2, 3.7 mm



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

Date: 2023.08.16

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

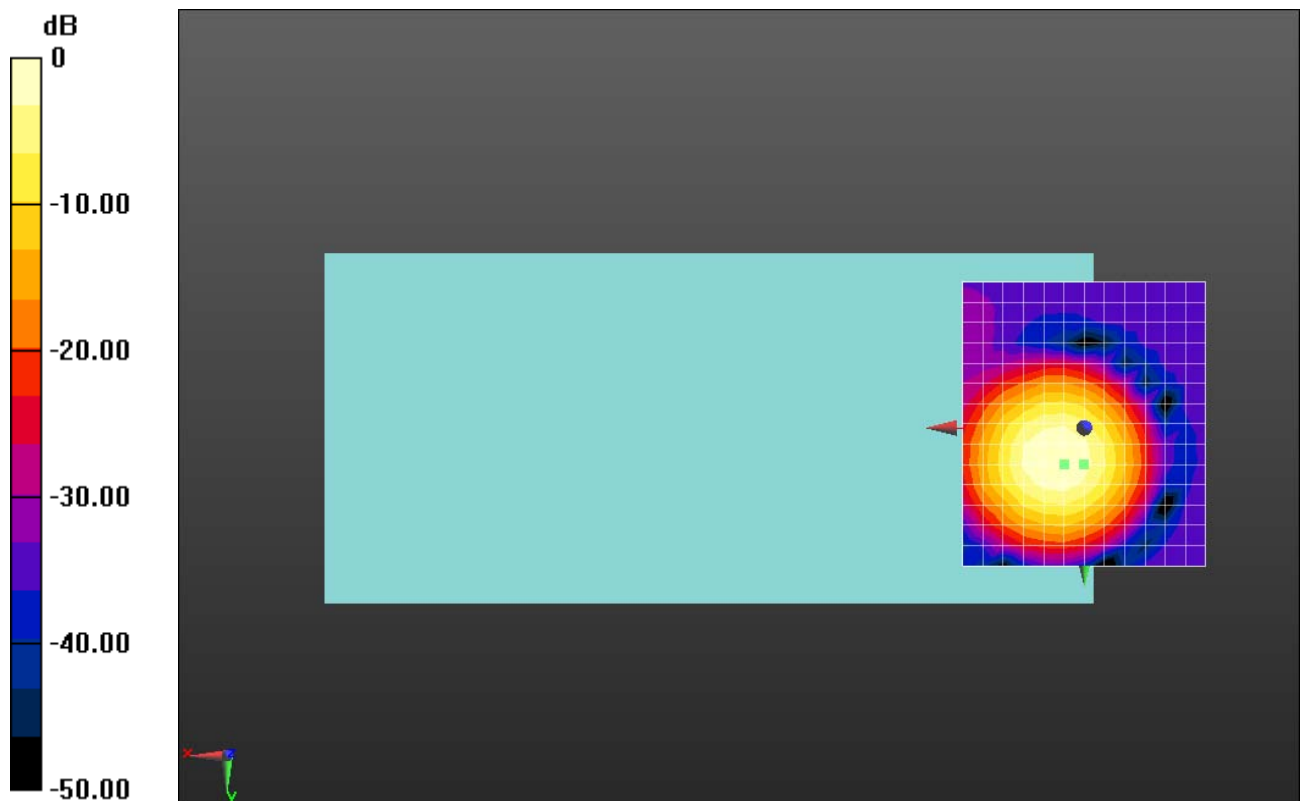
dx=10mm, dy=10mm

ABM1/ABM2 = 45.45 dB

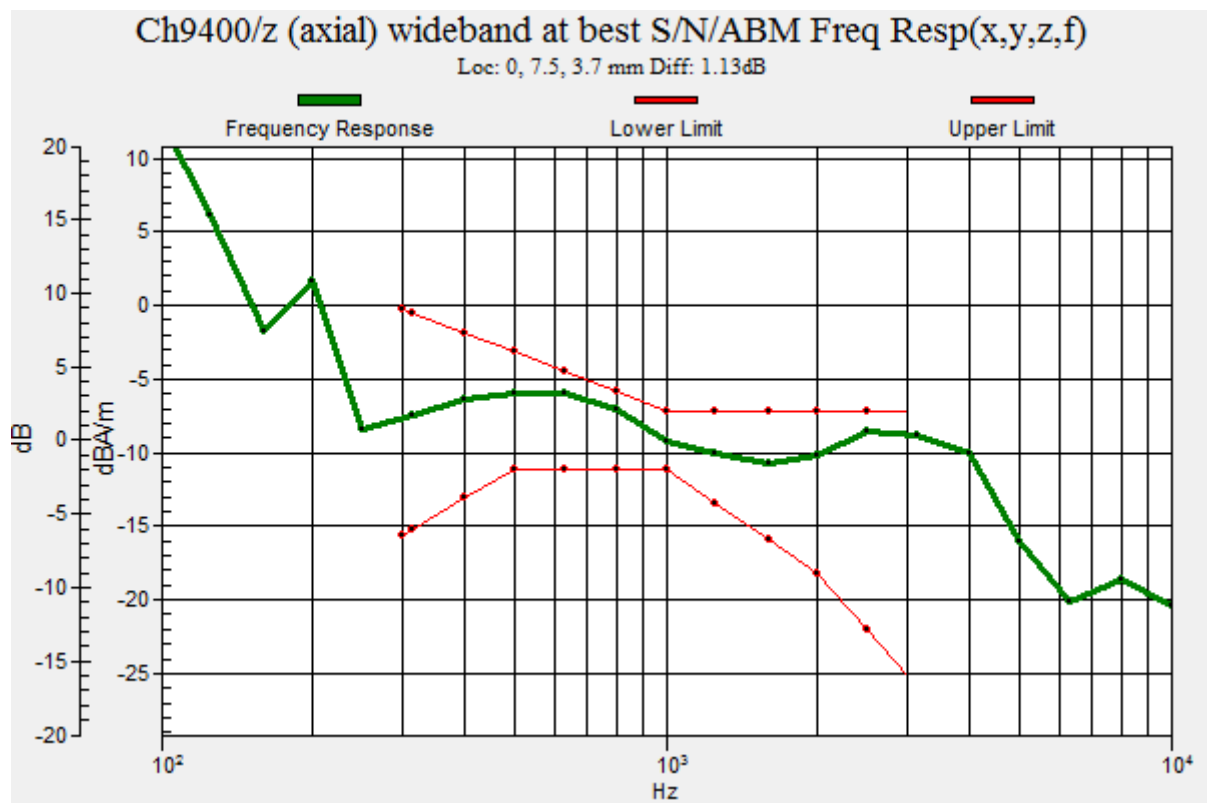
ABM1 comp = -4.60 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 187.2 = 45.45 dB



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

Date: 2023.08.16

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

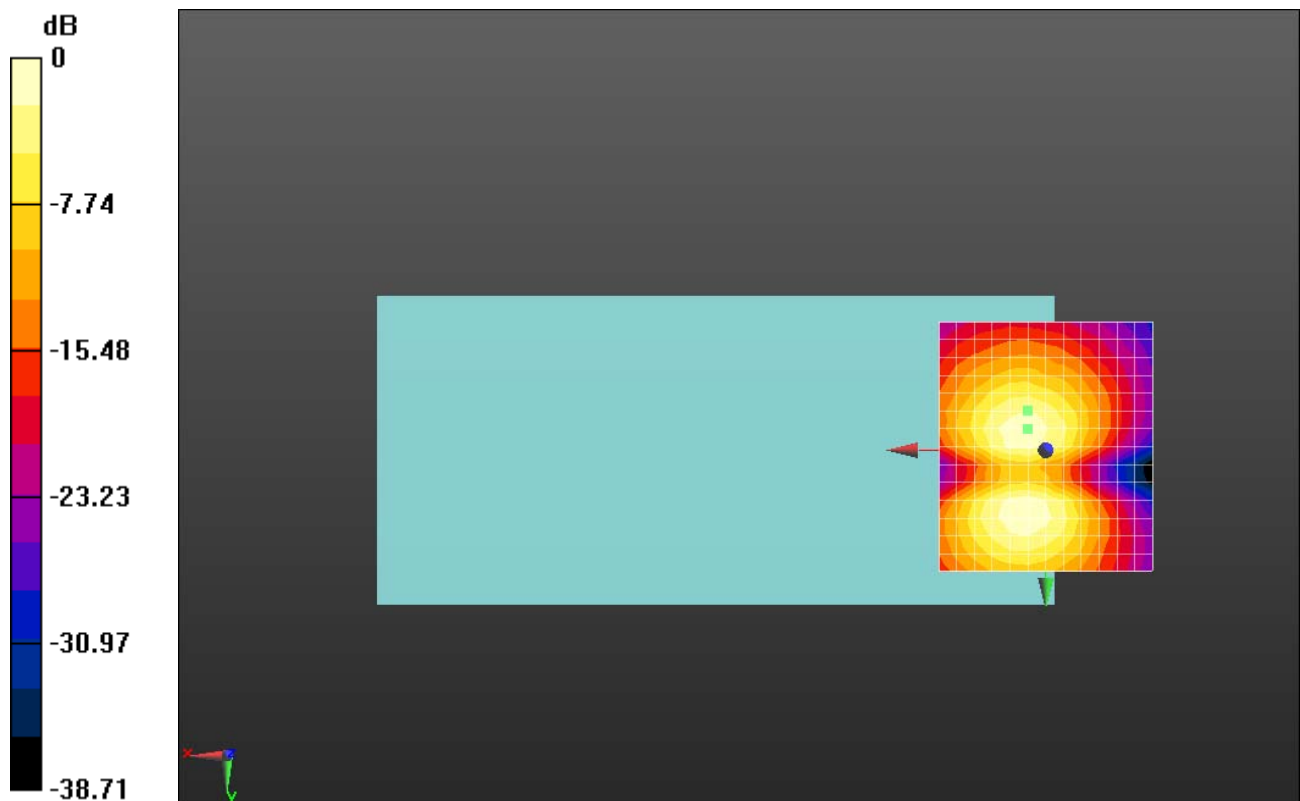
dx=10mm, dy=10mm

ABM1/ABM2 = 40.36 dB

ABM1 comp = -11.07 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, -9.2, 3.7 mm



0 dB = 104.3 = 40.37 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

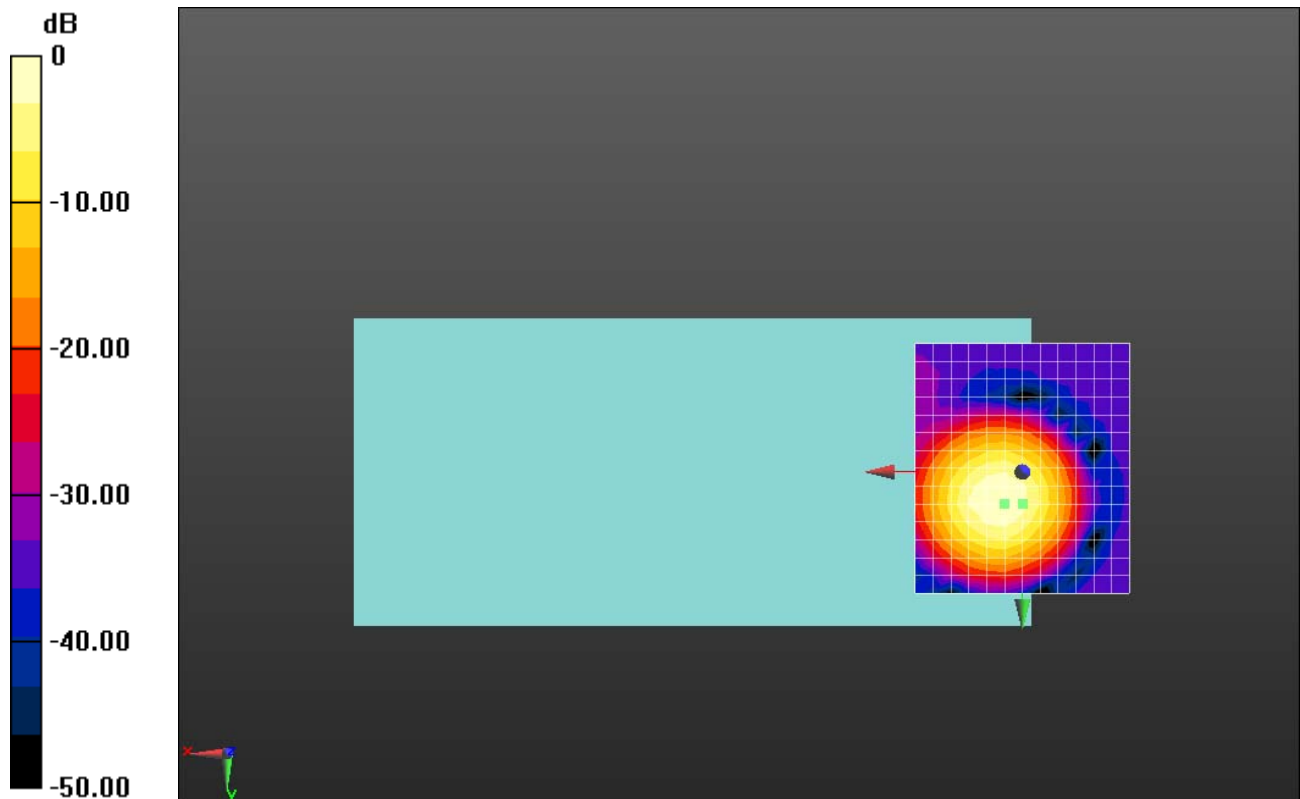
dx=10mm, dy=10mm

ABM1/ABM2 = 45.40 dB

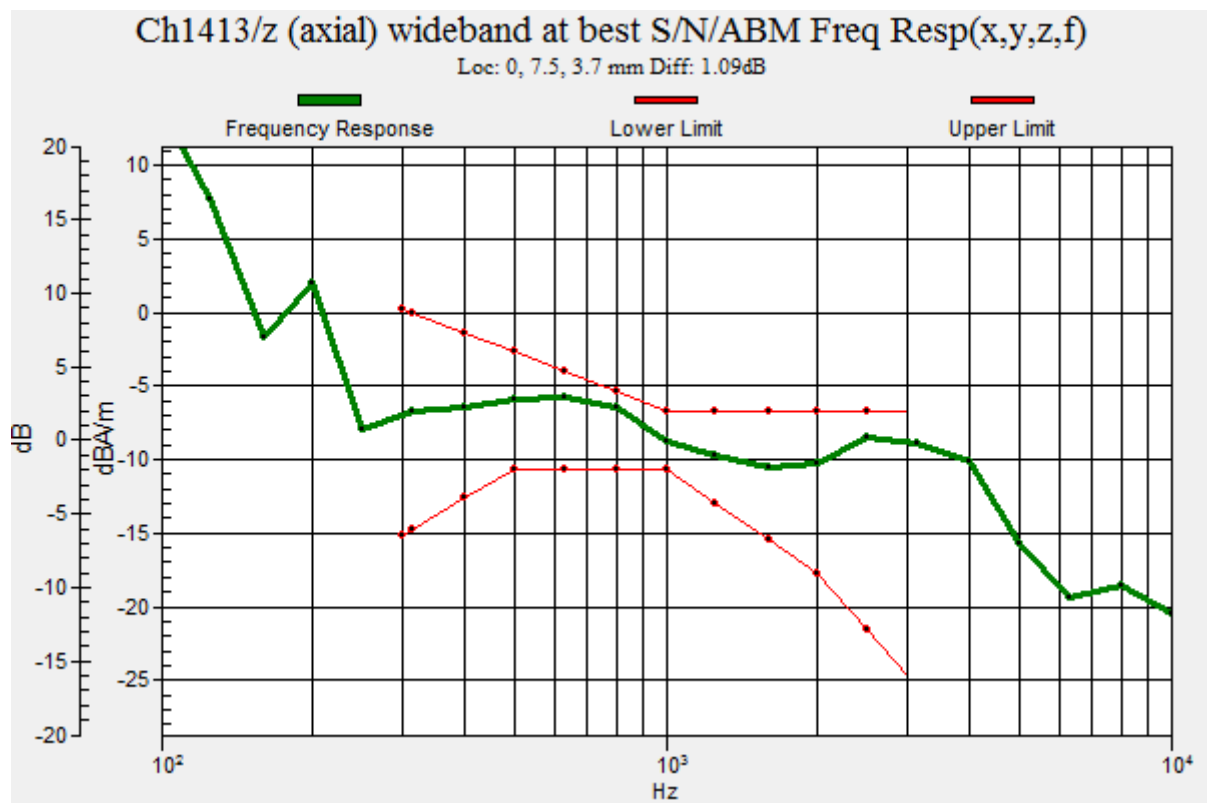
ABM1 comp = -4.49 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 186.2 = 45.40 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

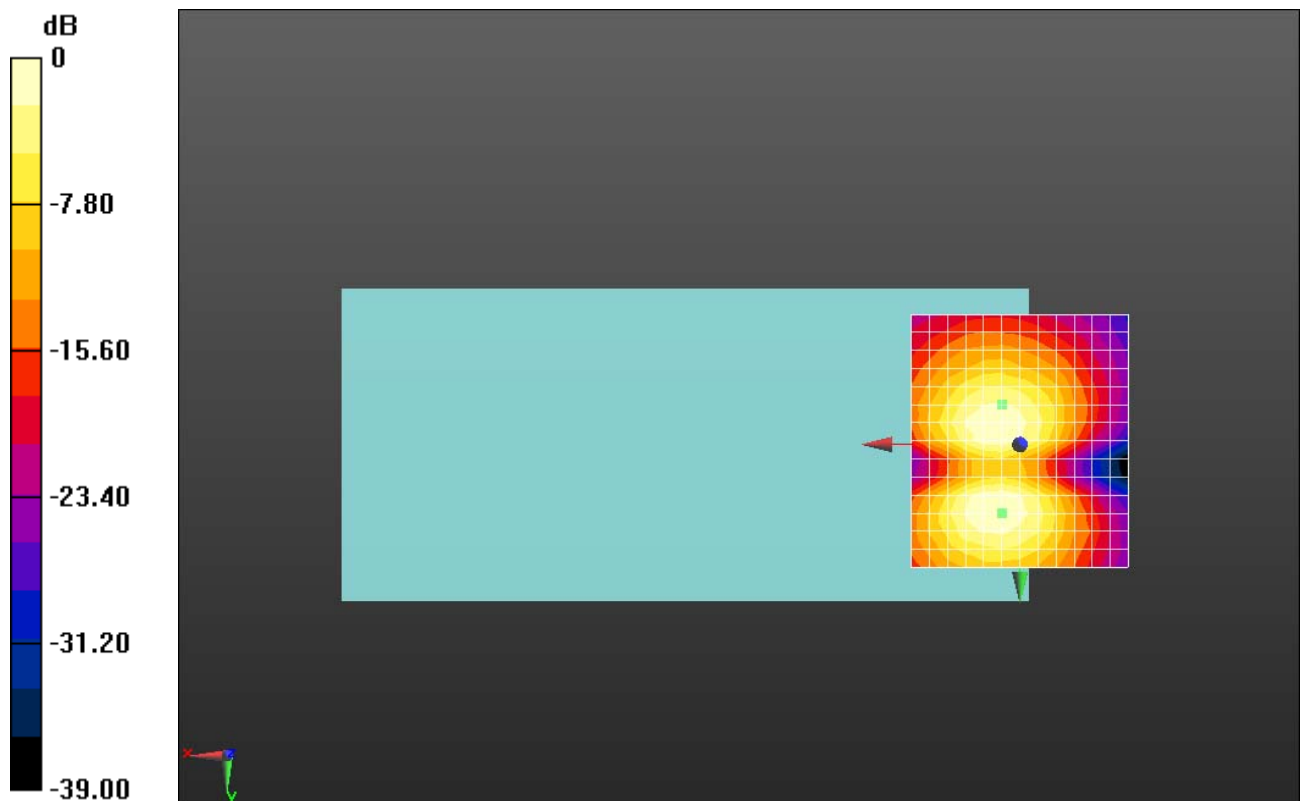
dx=10mm, dy=10mm

ABM1/ABM2 = 40.61 dB

ABM1 comp = -11.21 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, -9.2, 3.7 mm



0 dB = 107.3 = 40.61 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

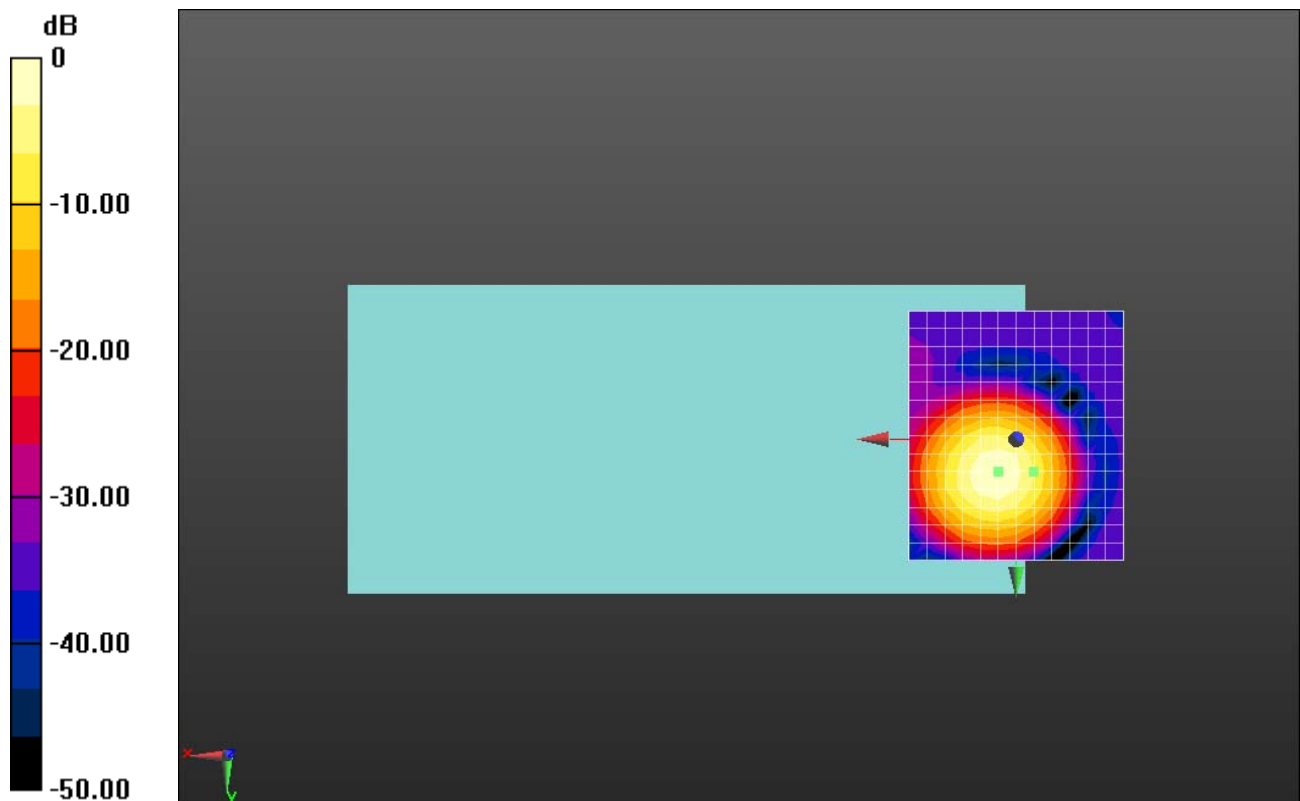
dx=10mm, dy=10mm

ABM1/ABM2 = 45.34 dB

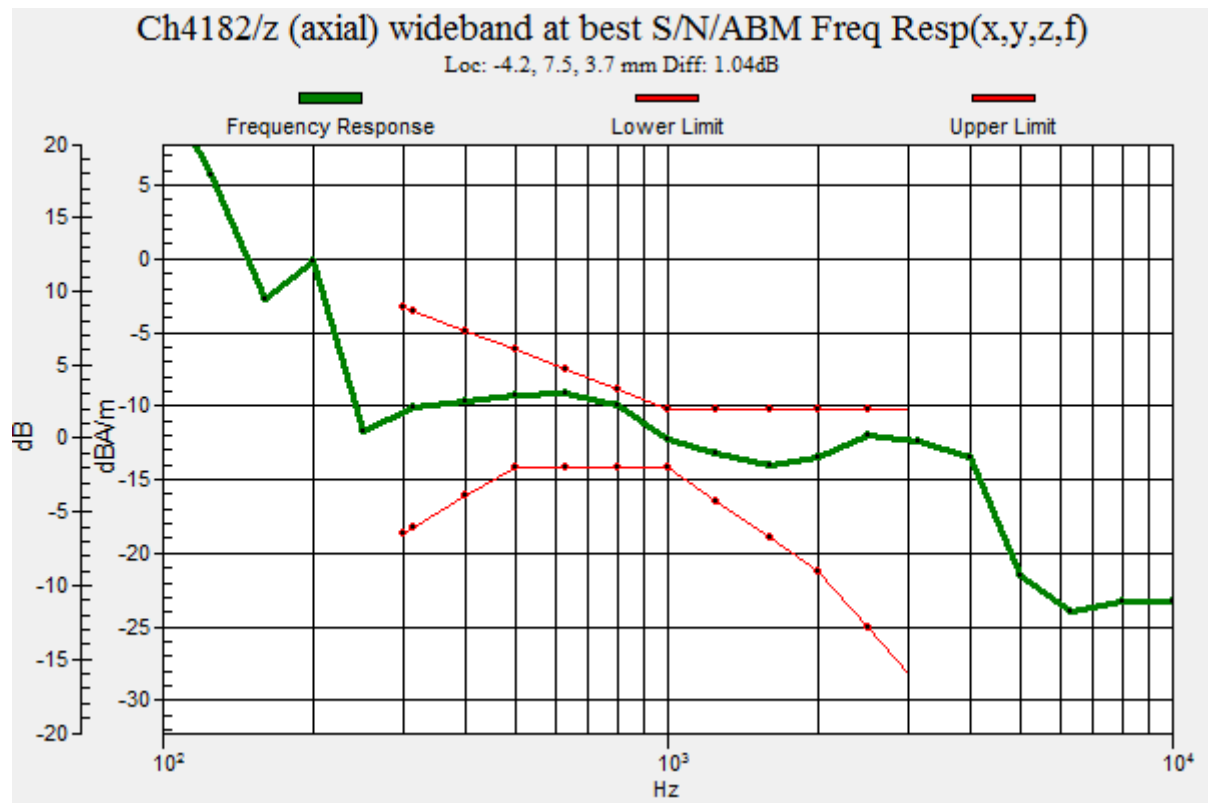
ABM1 comp = -8.32 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 7.5, 3.7 mm



0 dB = 184.8 = 45.33 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

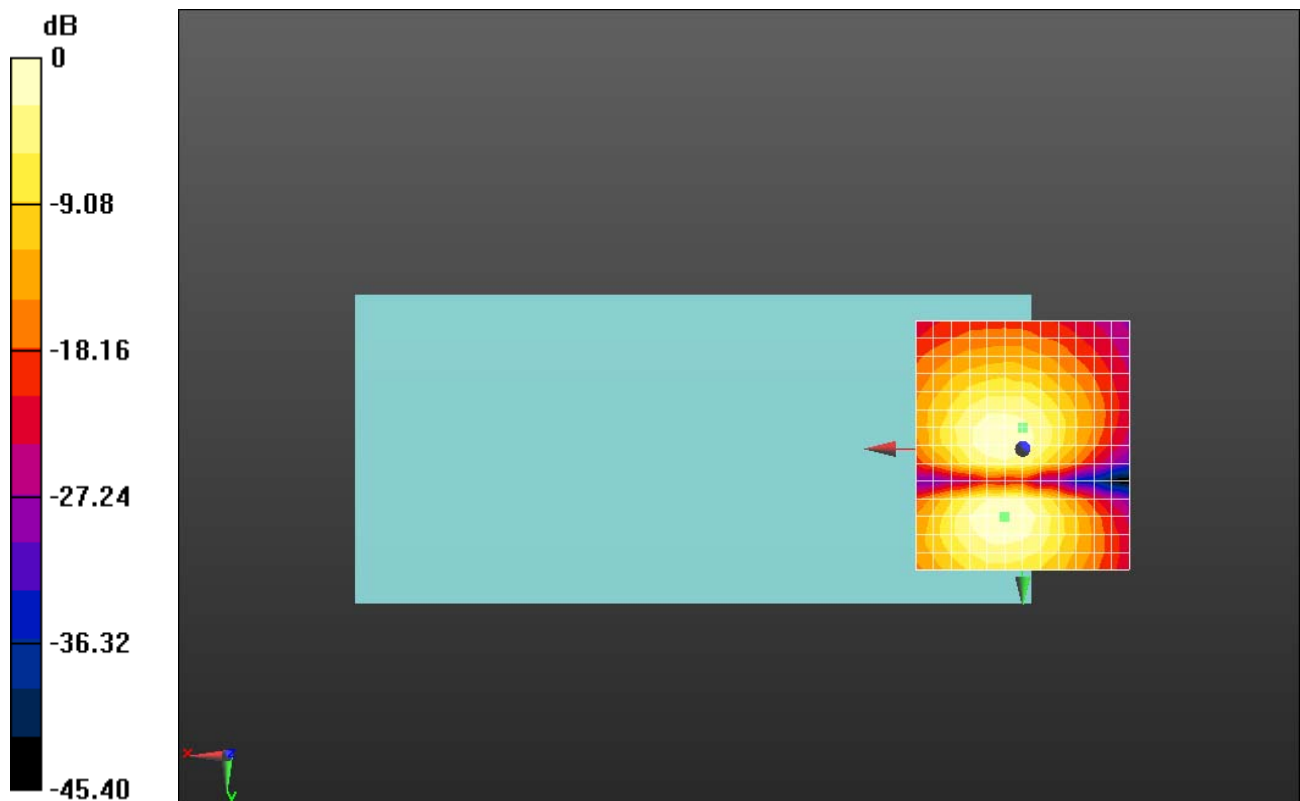
dx=10mm, dy=10mm

ABM1/ABM2 = 41.14 dB

ABM1 comp = -10.59 dBA/m

BWC Factor = 0.15 dB

Location: 0, -5, 3.7 mm



0 dB = 114.0 = 41.14 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

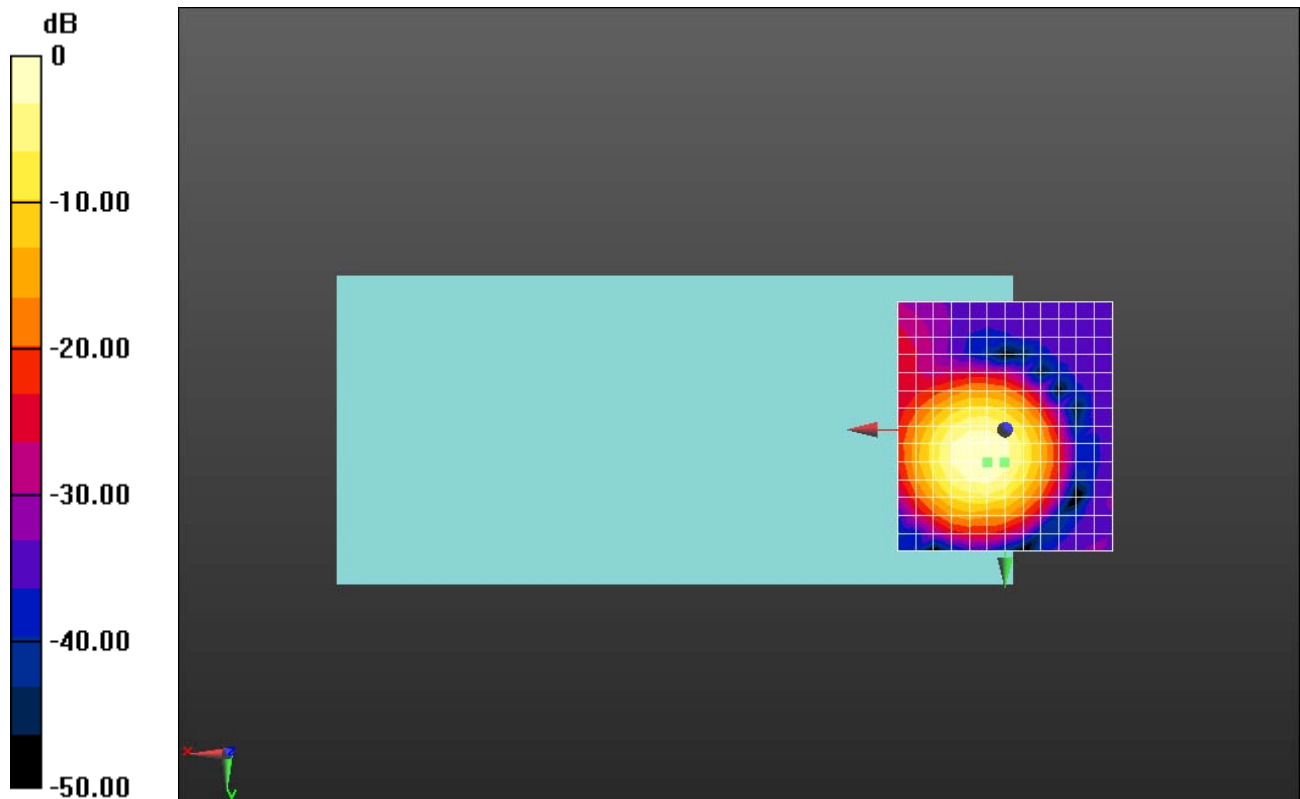
dx=10mm, dy=10mm

ABM1/ABM2 = 44.12 dB

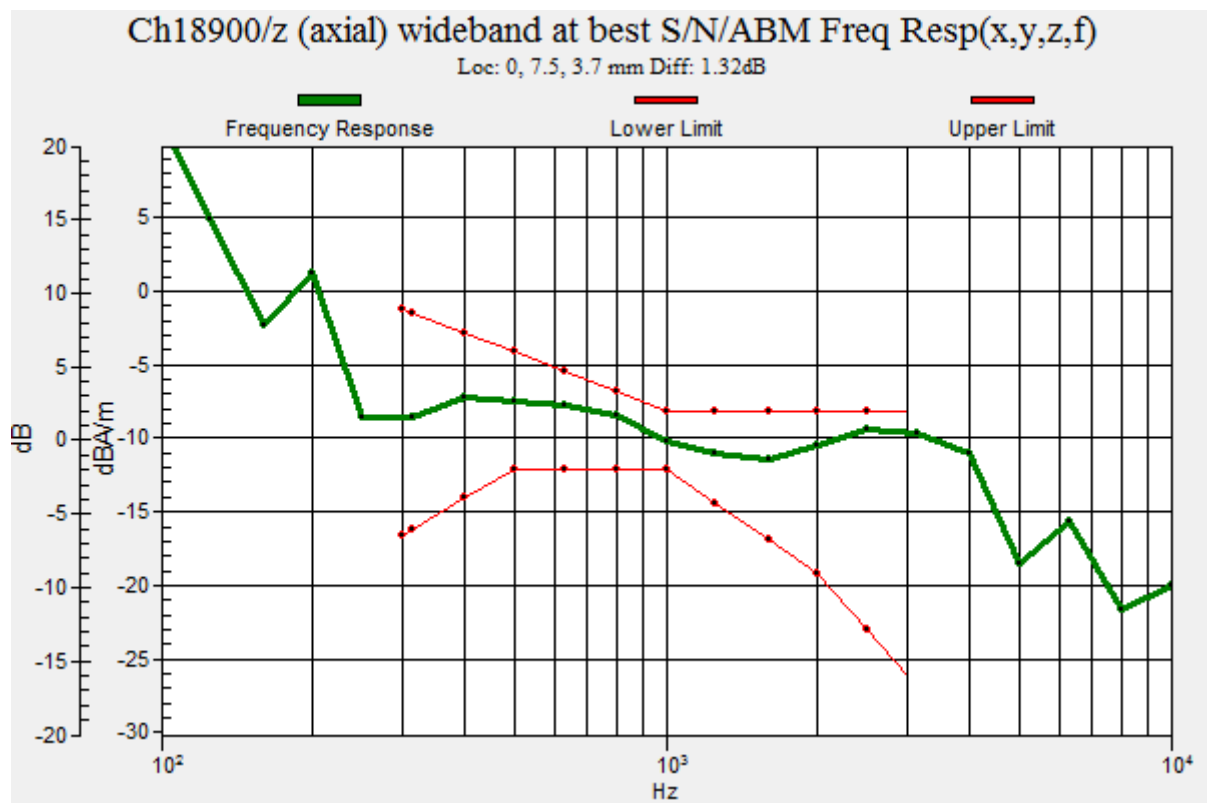
ABM1 comp = -4.97 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 160.7 = 44.12 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

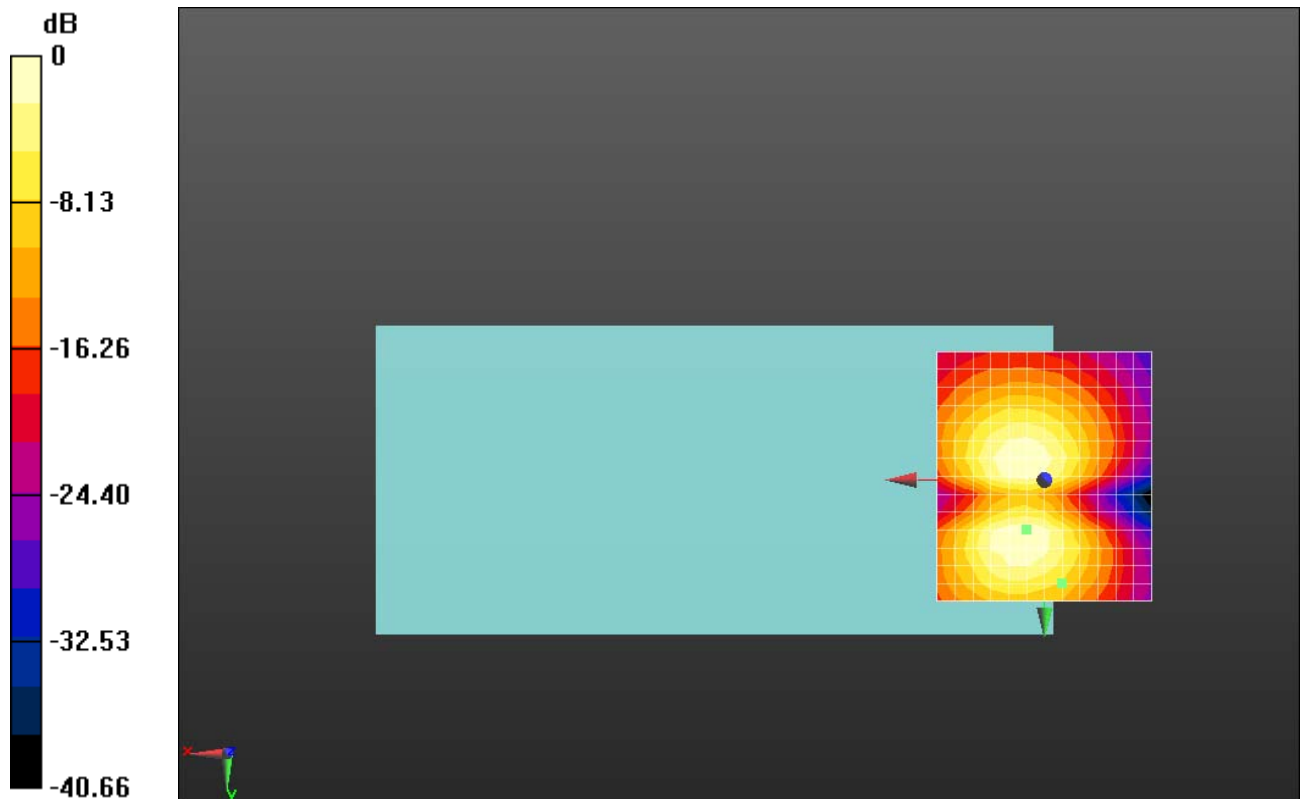
dx=10mm, dy=10mm

ABM1/ABM2 = 34.47 dB

ABM1 comp = -17.60 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 24.2, 3.7 mm



0 dB = 52.90 = 34.47 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

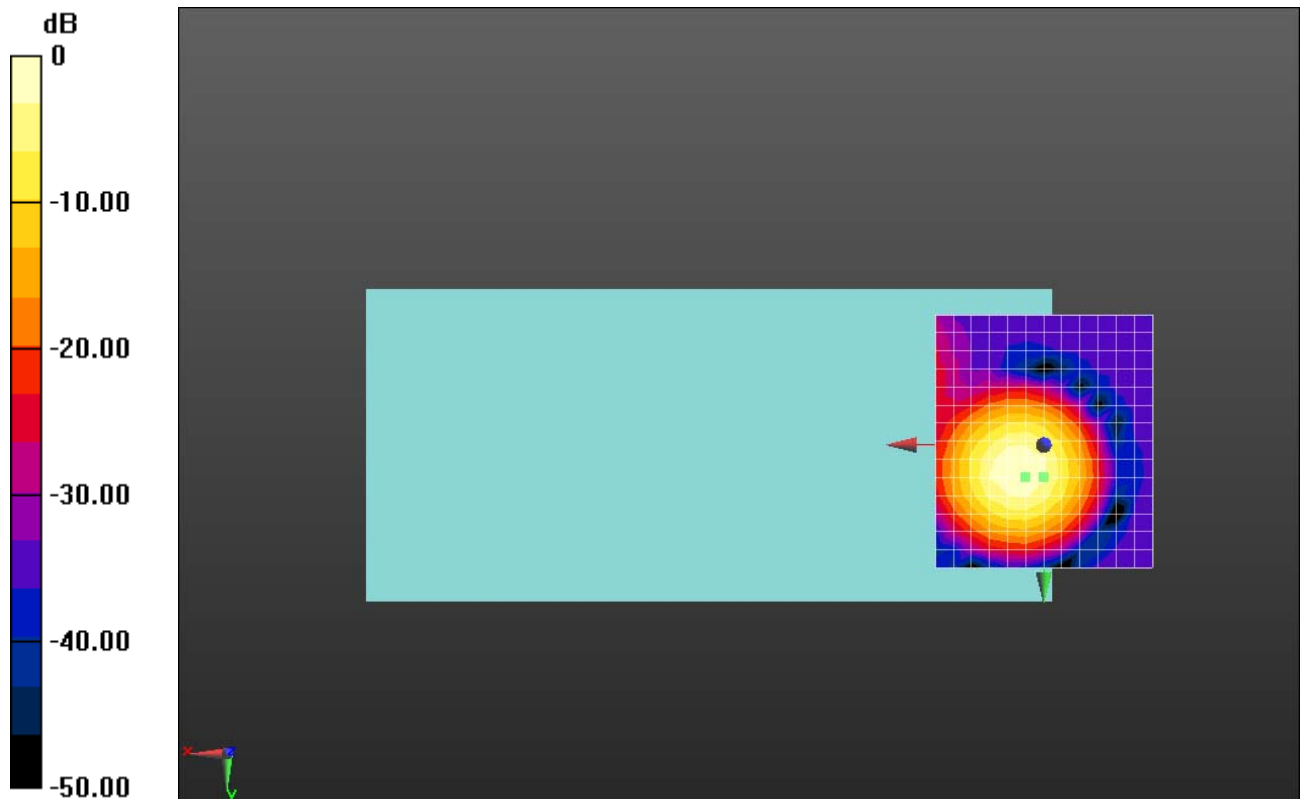
dx=10mm, dy=10mm

ABM1/ABM2 = 44.17 dB

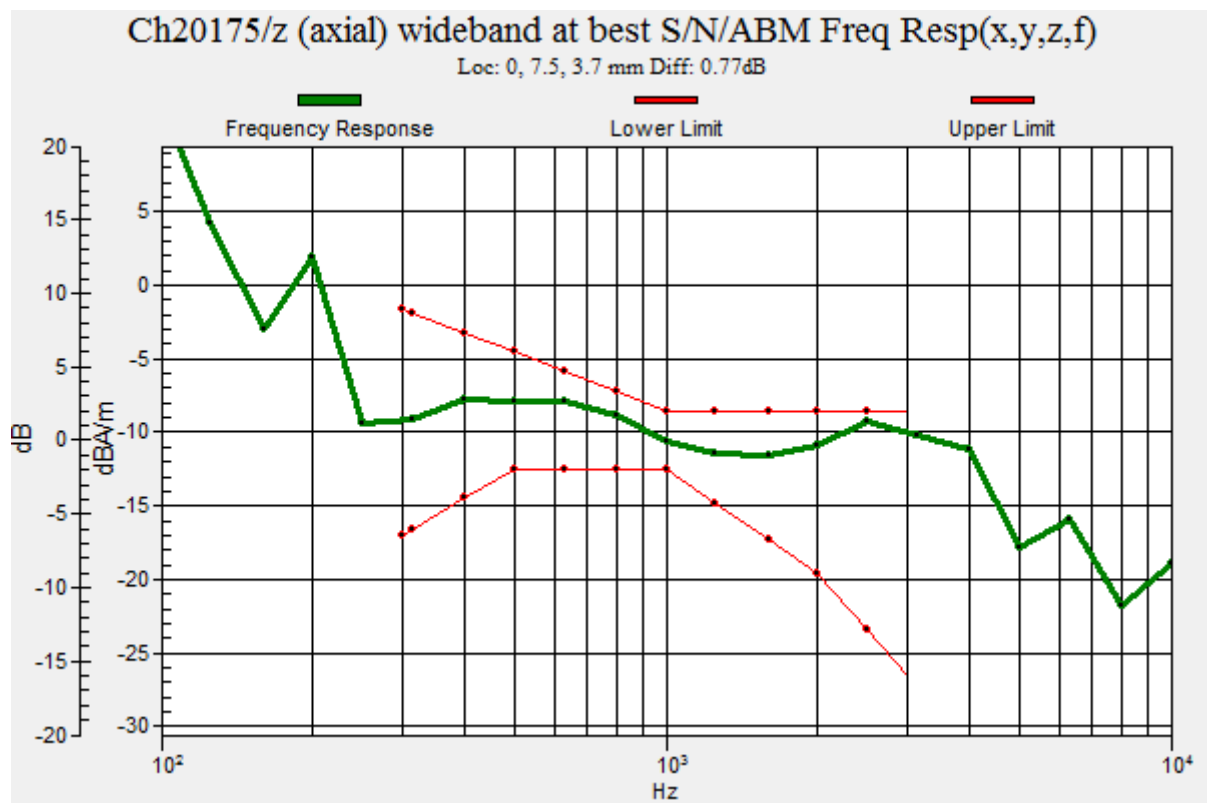
ABM1 comp = -5.47 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 161.5 = 44.16 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

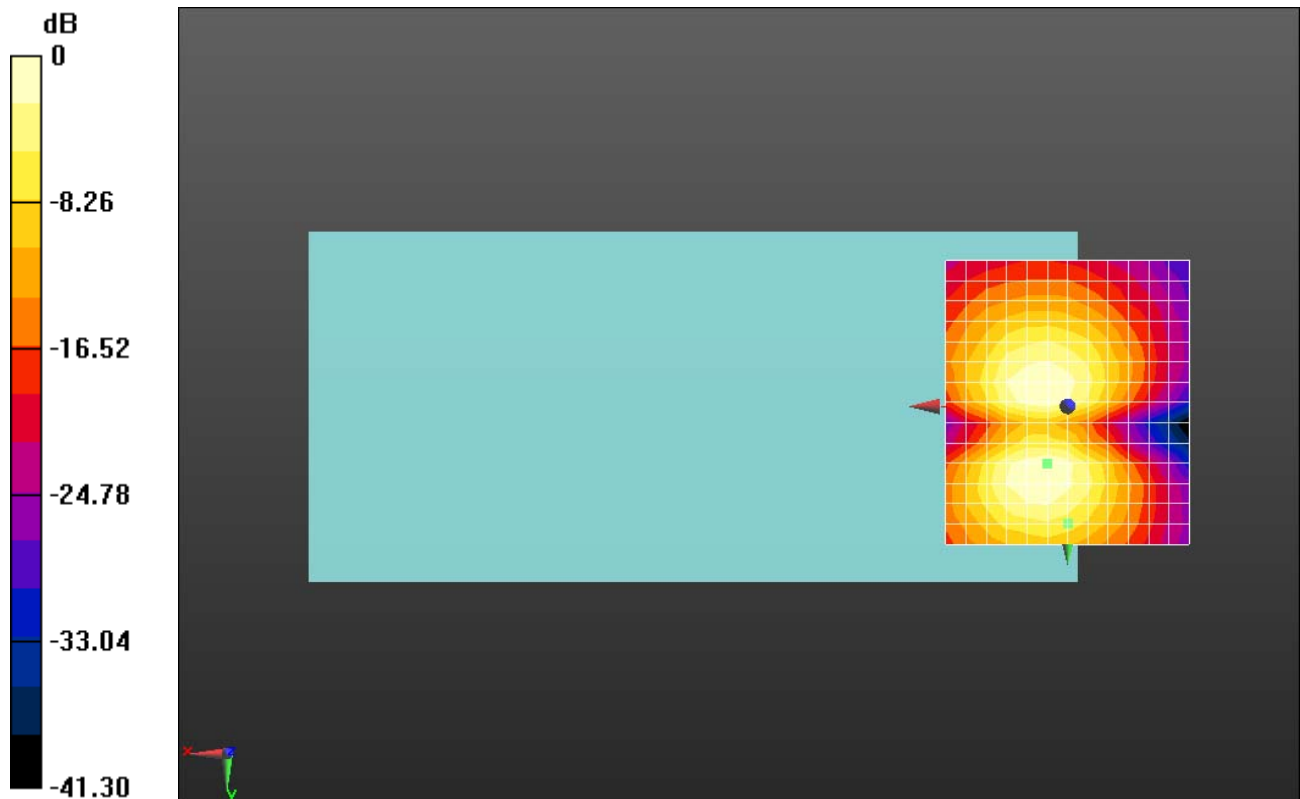
dx=10mm, dy=10mm

ABM1/ABM2 = 34.80 dB

ABM1 comp = -15.70 dBA/m

BWC Factor = 0.15 dB

Location: 0, 24.2, 3.7 mm



0 dB = 54.94 = 34.80 dB

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.6.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.14 (7501)

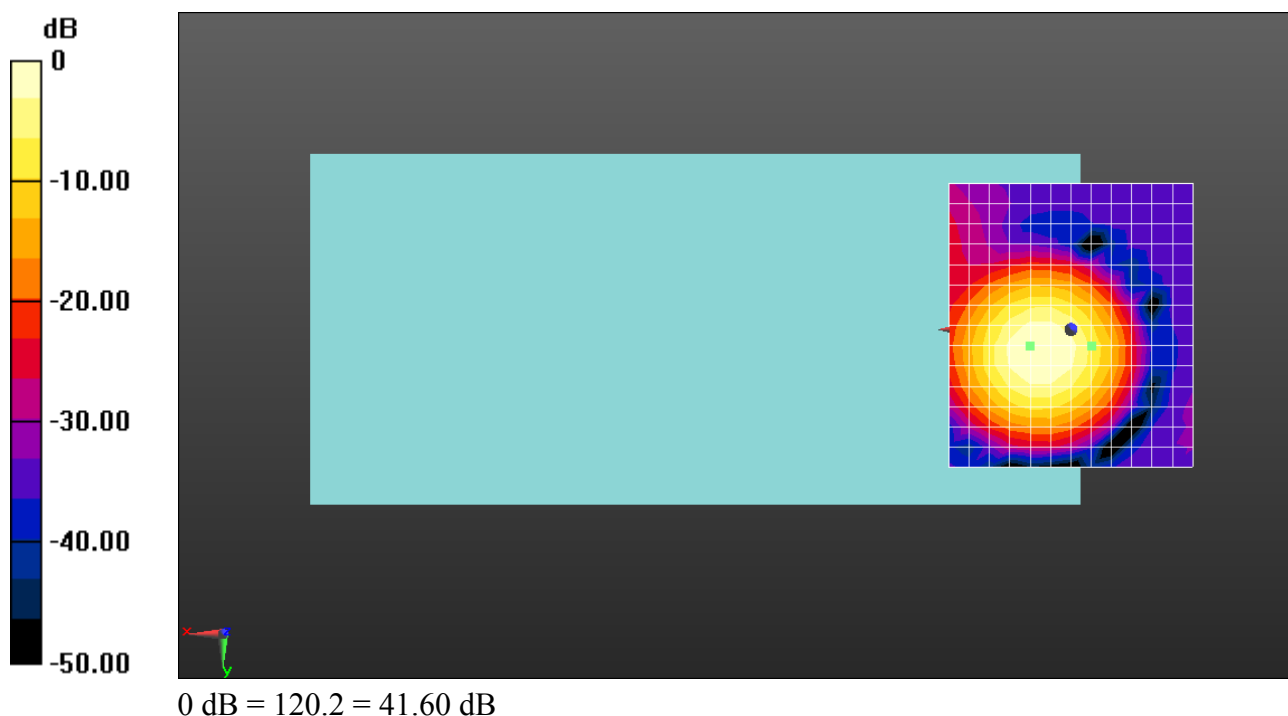
**Ch20525/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

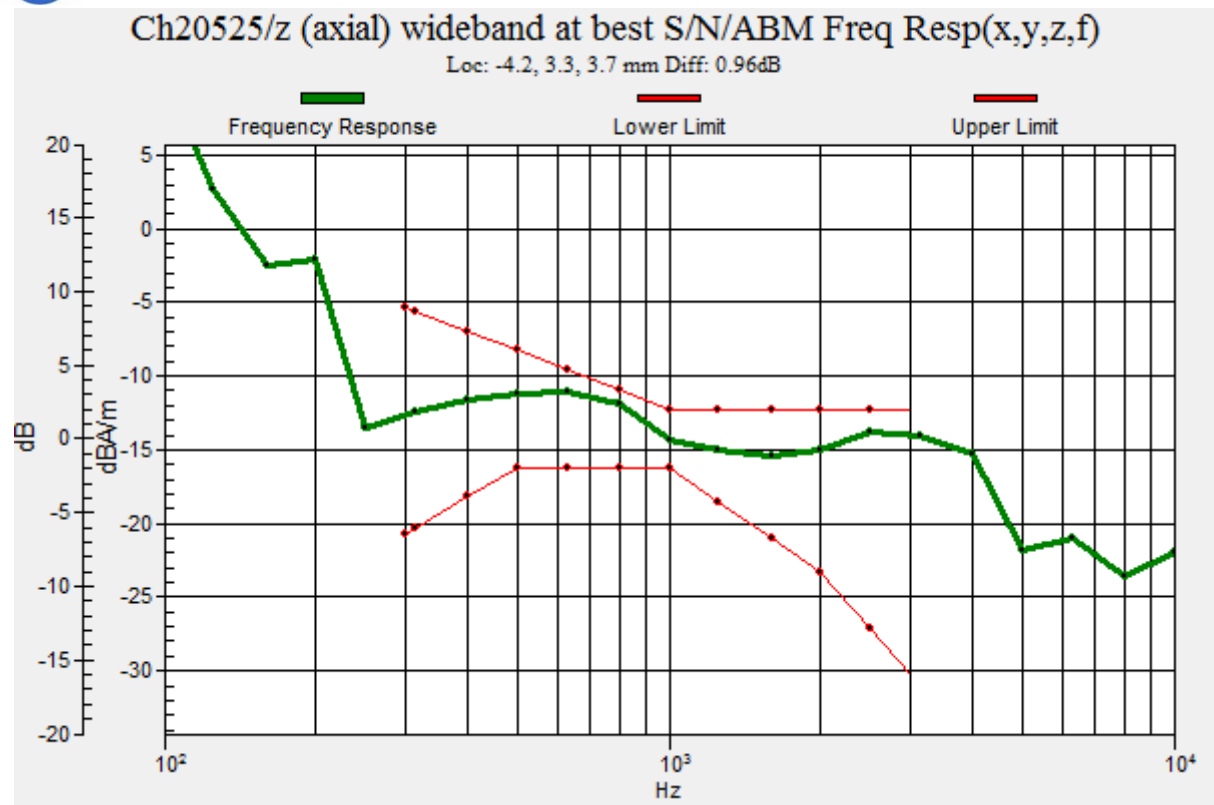
ABM1/ABM2 = 41.60 dB

ABM1 comp = -10.50 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 3.3, 3.7 mm





## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.6.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.14 (7501)

**Ch20525/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:

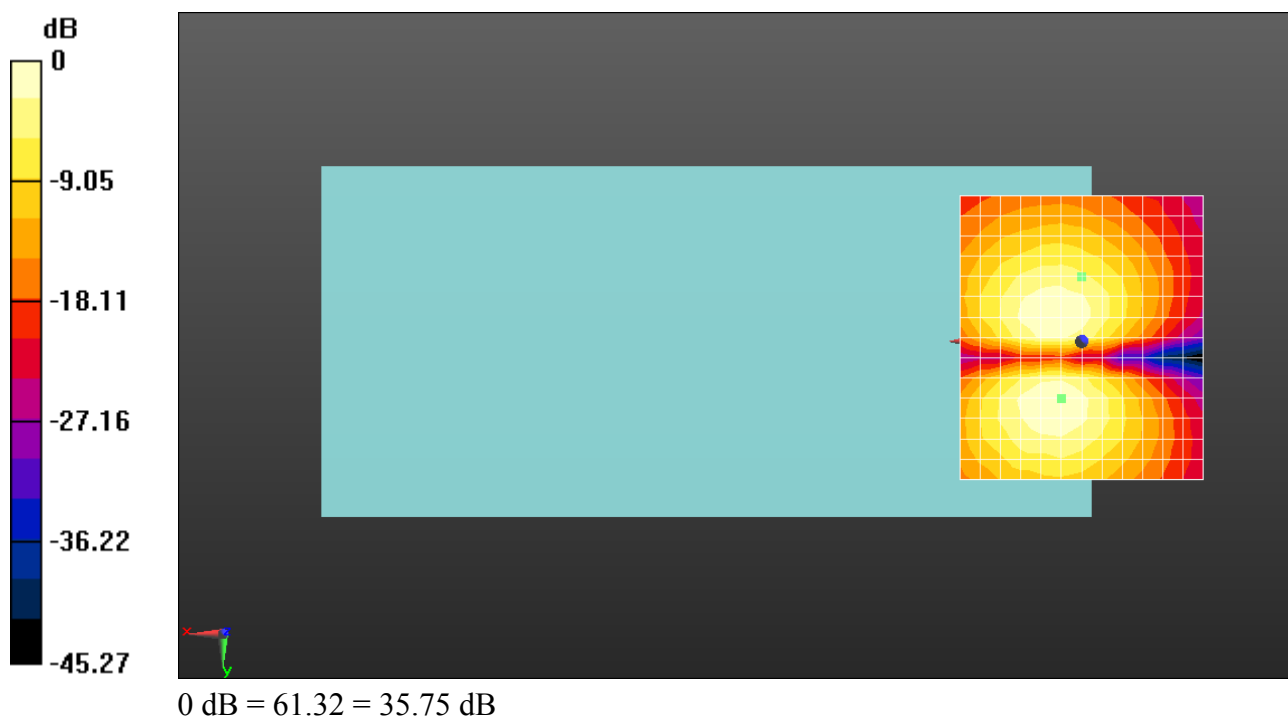
dx=10mm, dy=10mm

ABM1/ABM2 = 35.75 dB

ABM1 comp = -14.85 dBA/m

BWC Factor = 0.15 dB

Location: 0, -13.3, 3.7 mm



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

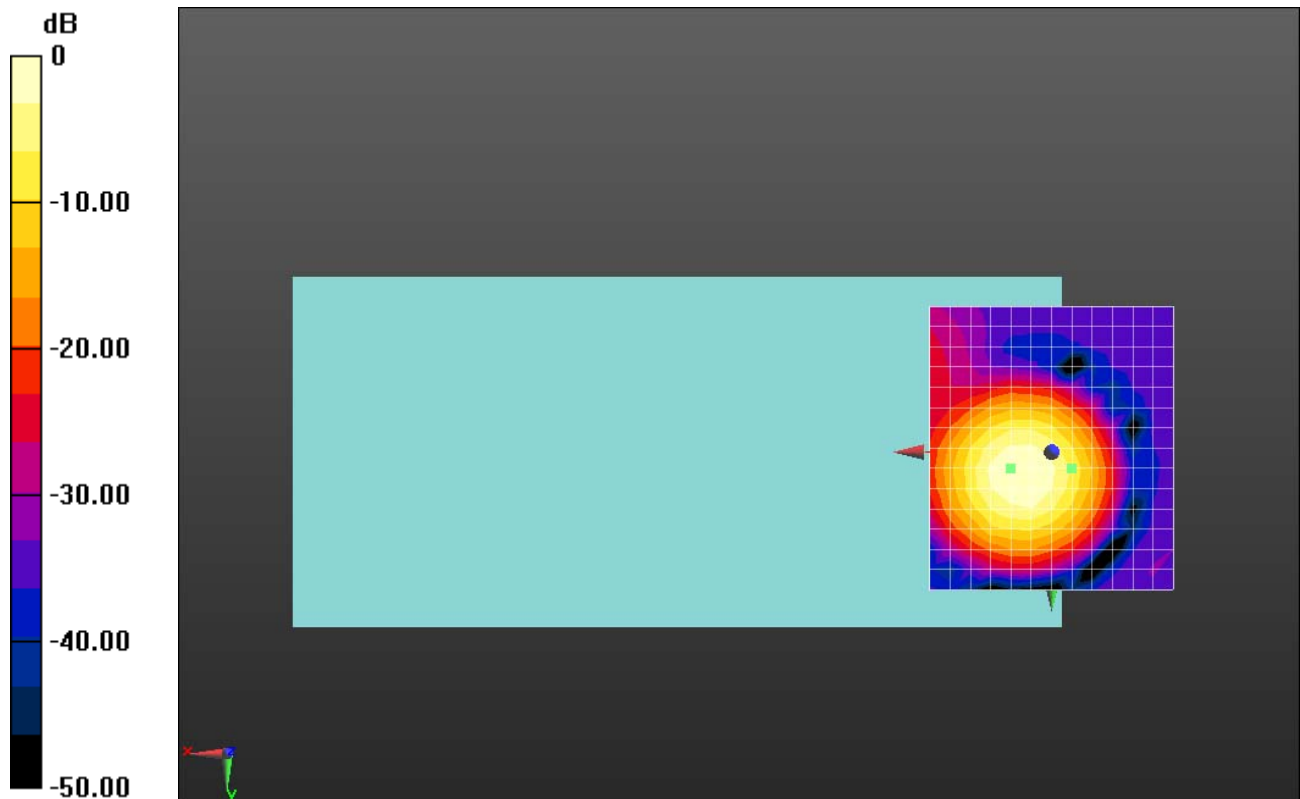
dx=10mm, dy=10mm

ABM1/ABM2 = 40.76 dB

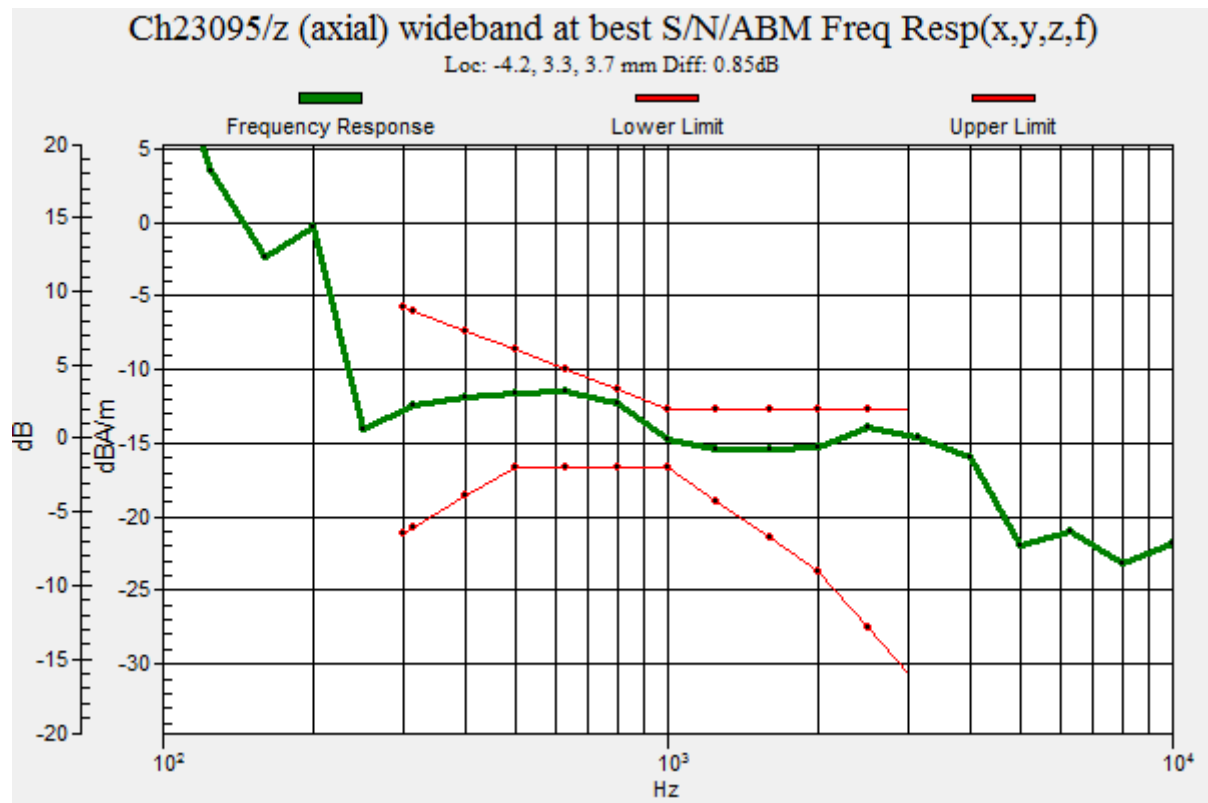
ABM1 comp = -10.34 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 109.2 = 40.76 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

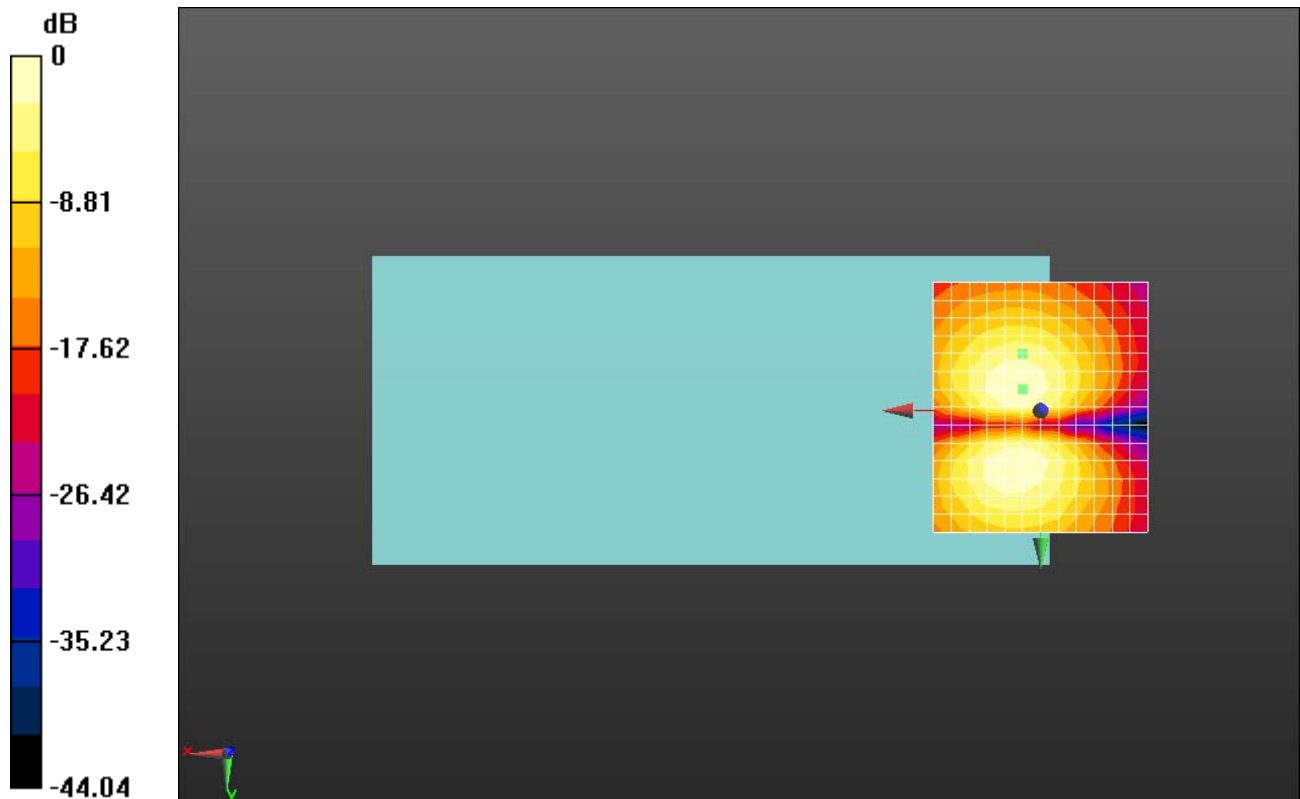
dx=10mm, dy=10mm

ABM1/ABM2 = 33.75 dB

ABM1 comp = -13.44 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -13.3, 3.7 mm



0 dB = 48.69 = 33.75 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

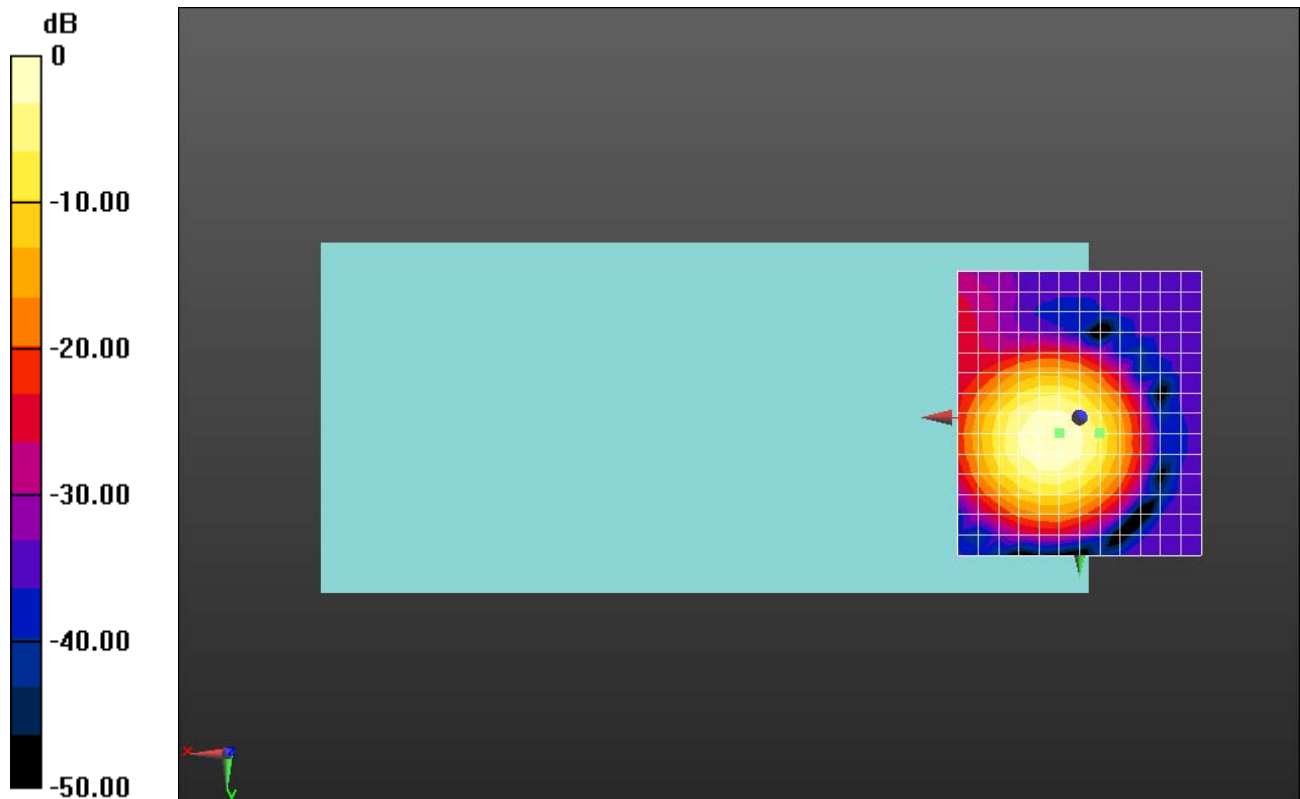
dx=10mm, dy=10mm

ABM1/ABM2 = 40.09 dB

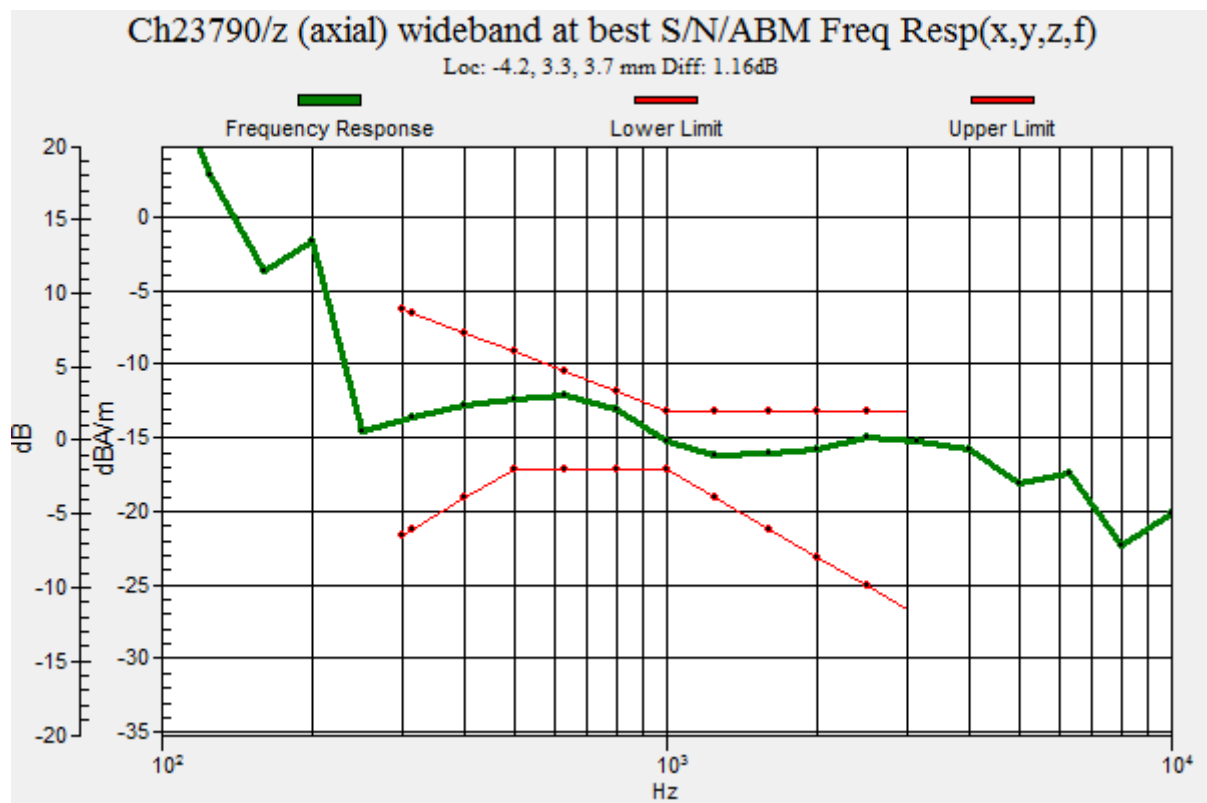
ABM1 comp = -10.26 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 101.0 = 40.09 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

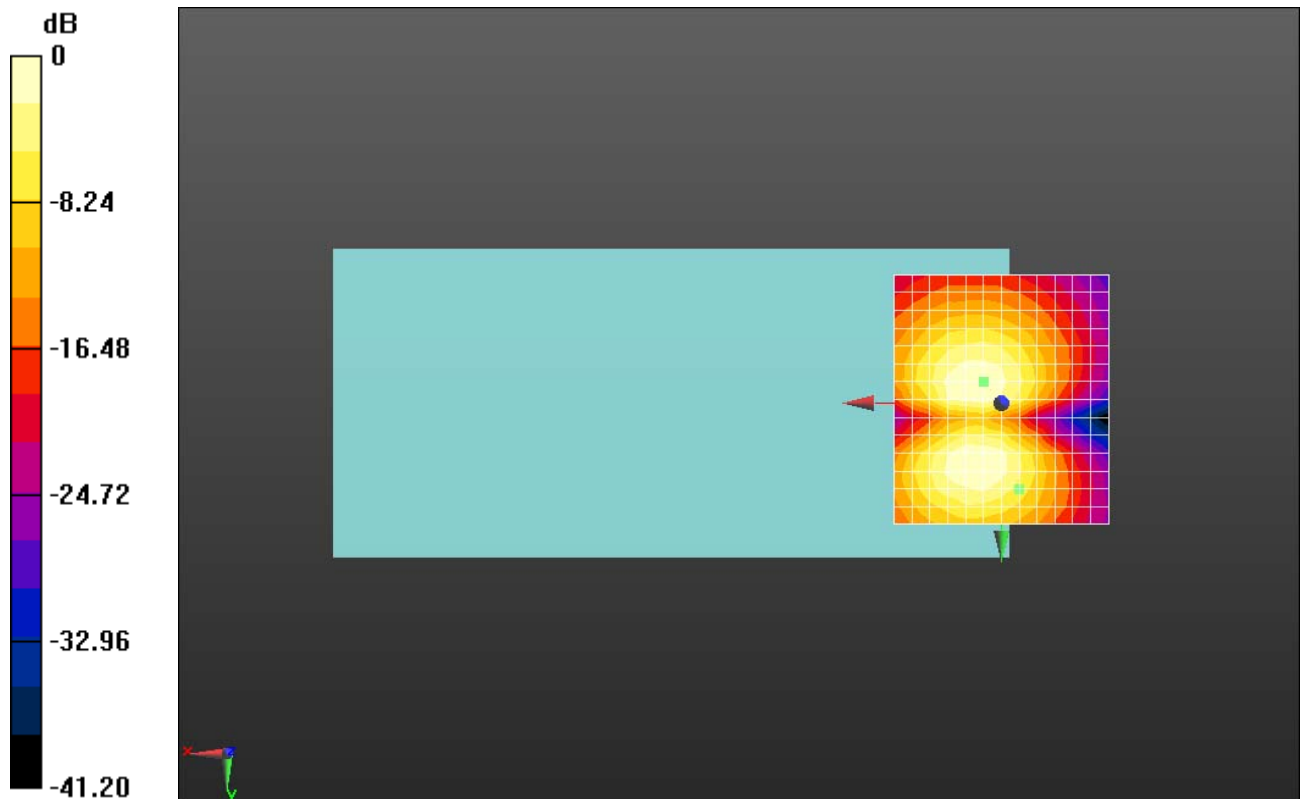
dx=10mm, dy=10mm

ABM1/ABM2 = 33.53 dB

ABM1 comp = -15.84 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 20, 3.7 mm



0 dB = 47.45 = 33.52 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

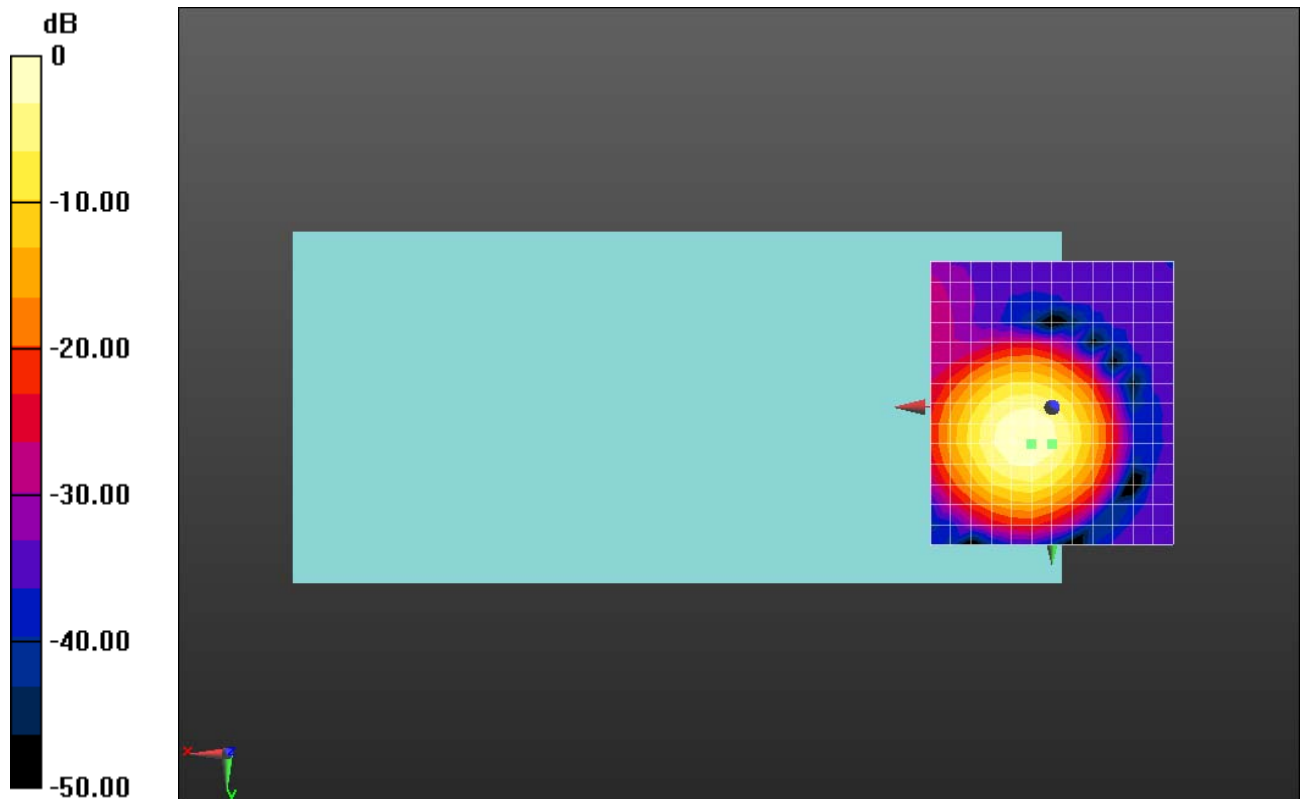
dx=10mm, dy=10mm

ABM1/ABM2 = 44.32 dB

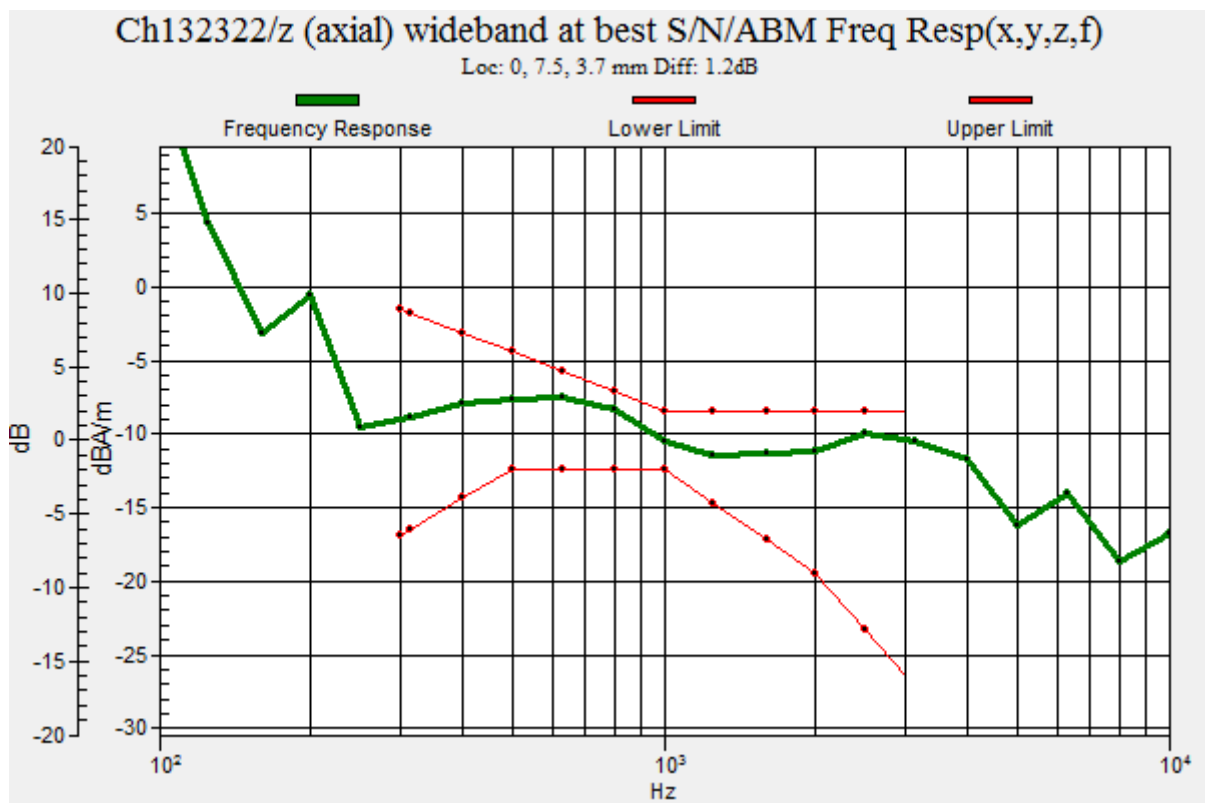
ABM1 comp = -4.78 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 164.4 = 44.32 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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

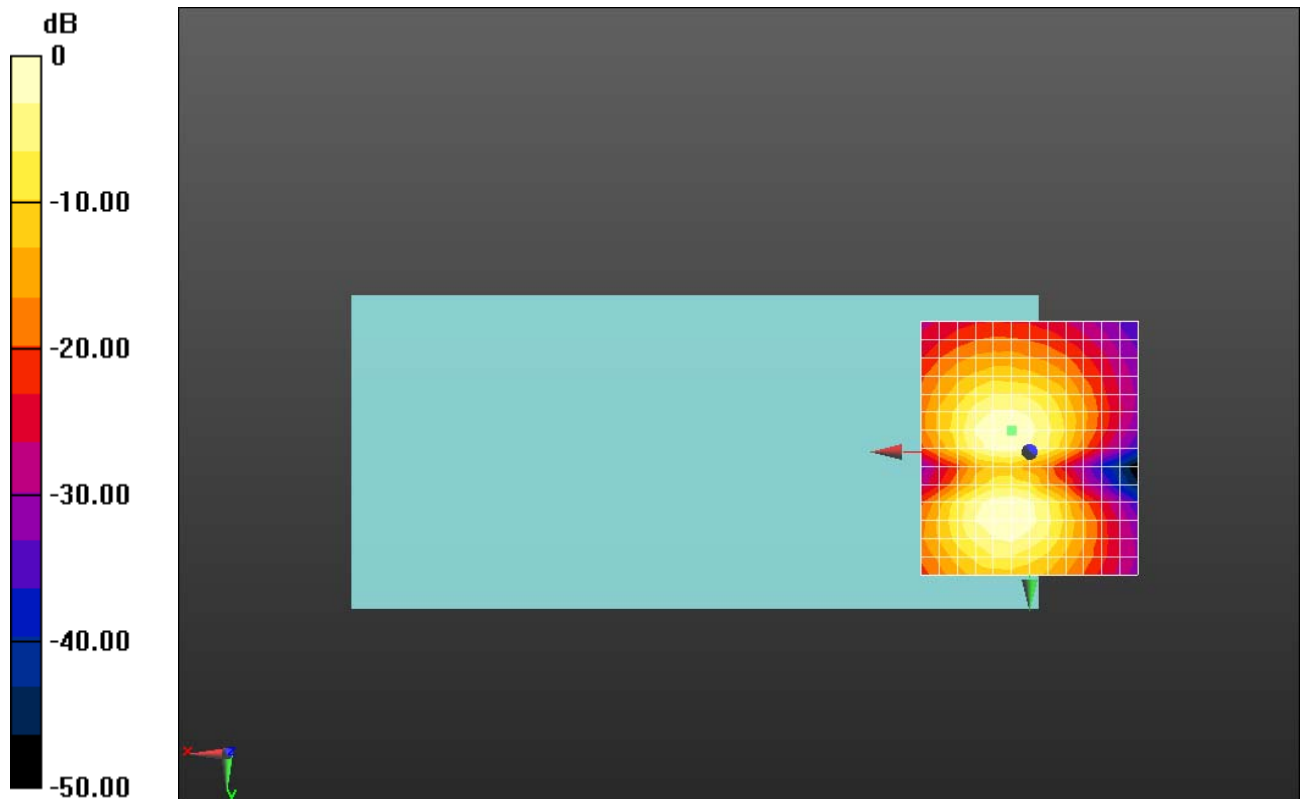
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.25 dB

ABM1 comp = -9.37 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, -5, 3.7 mm



0 dB = 163.1 = 44.25 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

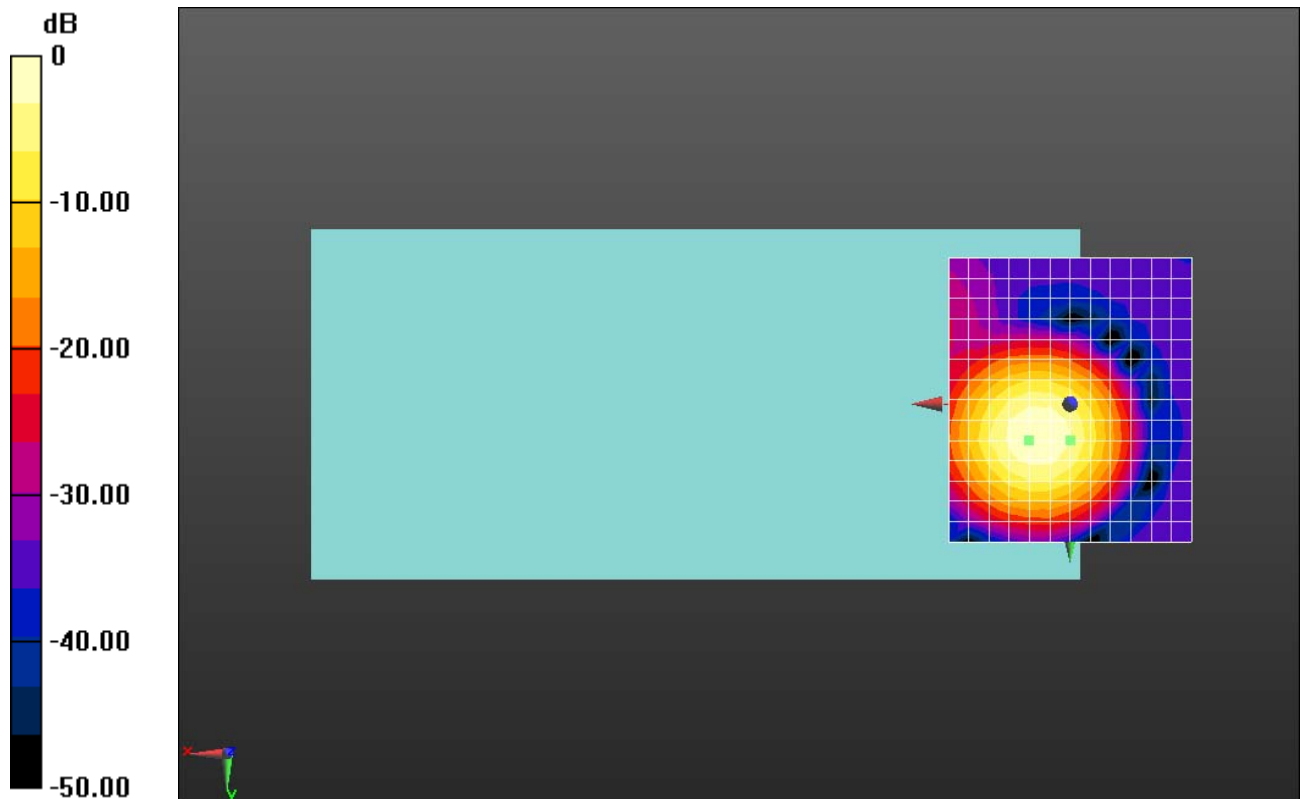
**Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.54 dB

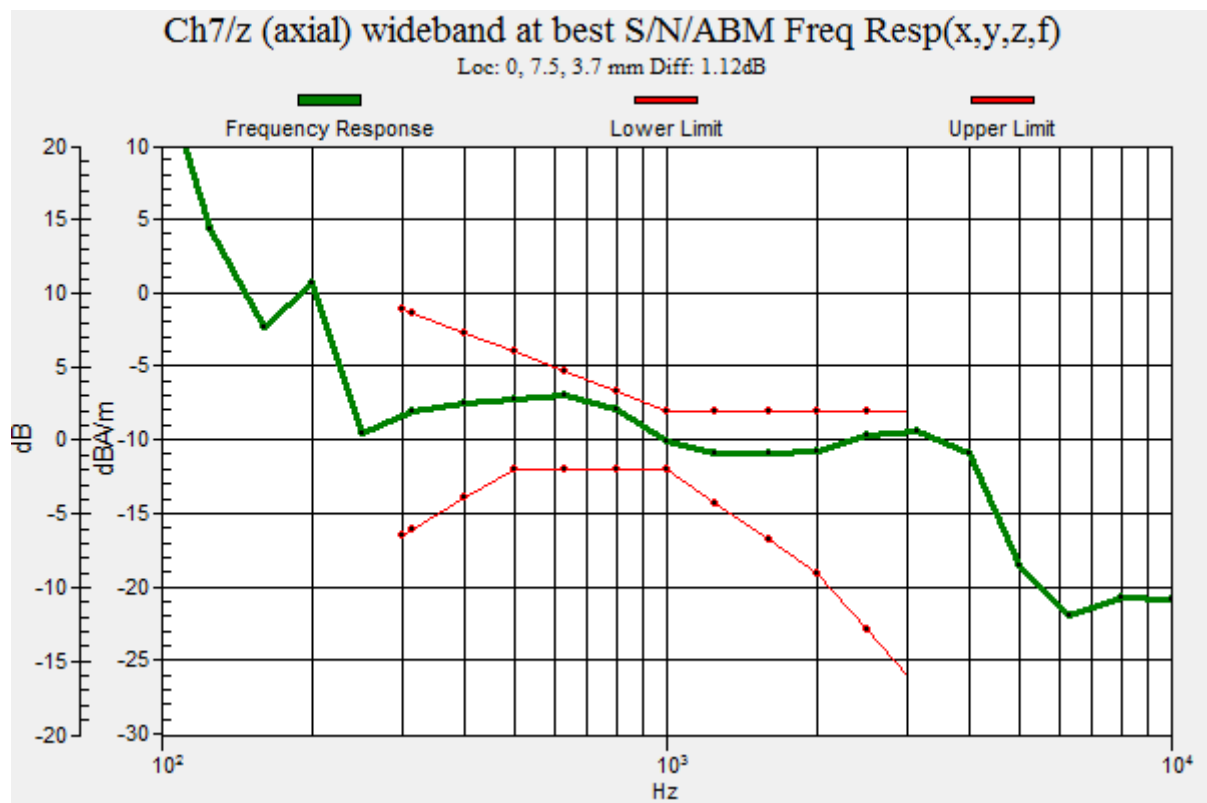
ABM1 comp = -5.70 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 168.6 = 44.54 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

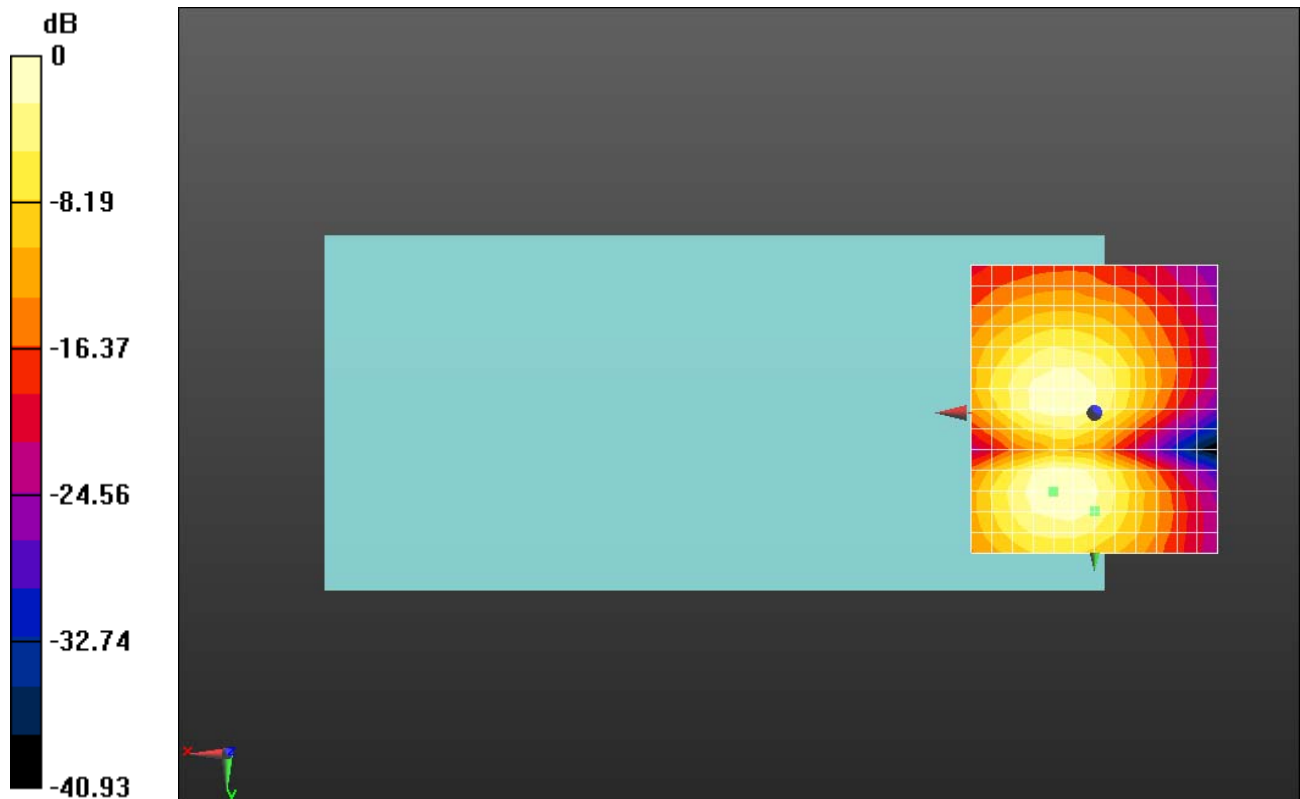
dx=10mm, dy=10mm

ABM1/ABM2 = 36.79 dB

ABM1 comp = -12.65 dBA/m

BWC Factor = 0.15 dB

Location: 0, 20, 3.7 mm



0 dB = 69.09 = 36.79 dB

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

Date: 2023.08.17

## HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11g 6Mbps\_AMR 4.75Kbps\_Ch7\_Z

Communication System: UID 10416 - AAA, IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle); Frequency: 2442 MHz; Duty Cycle: 1:6.65273

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

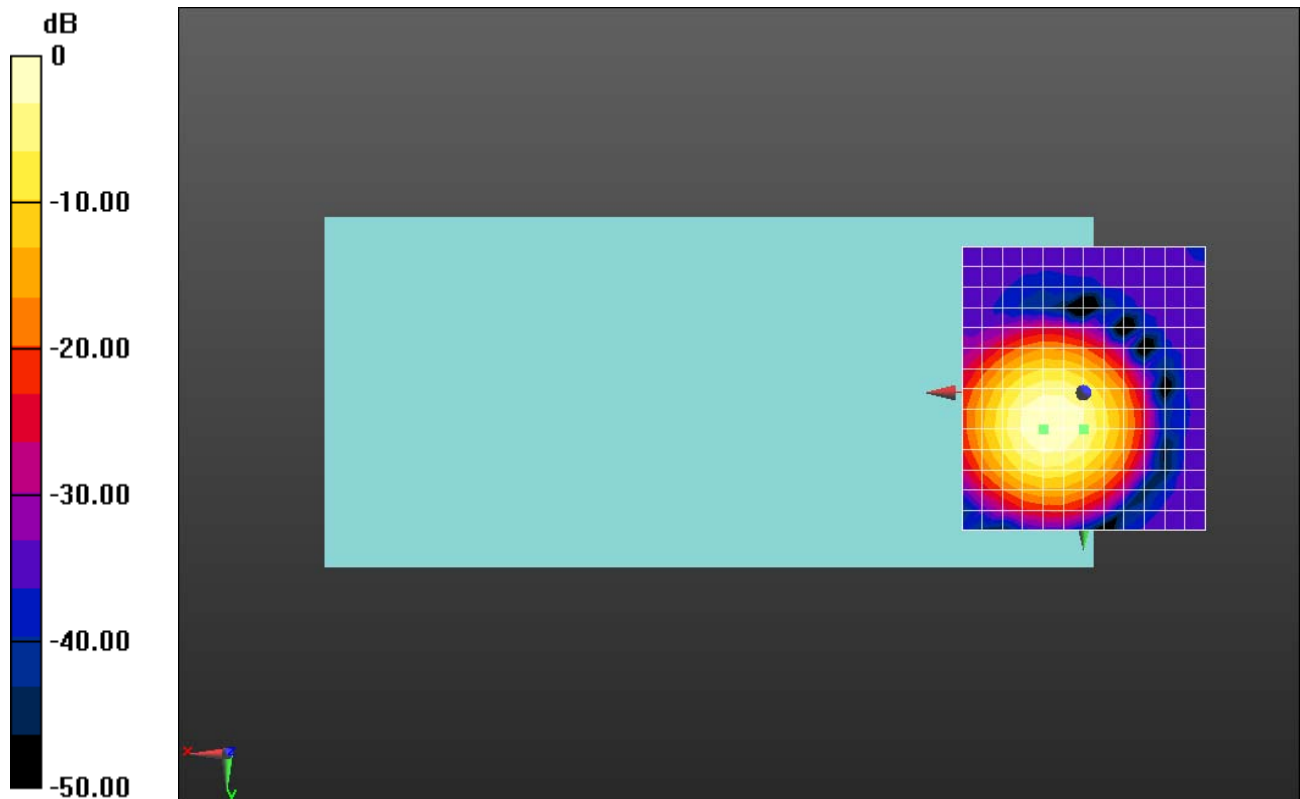
**Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.48 dB

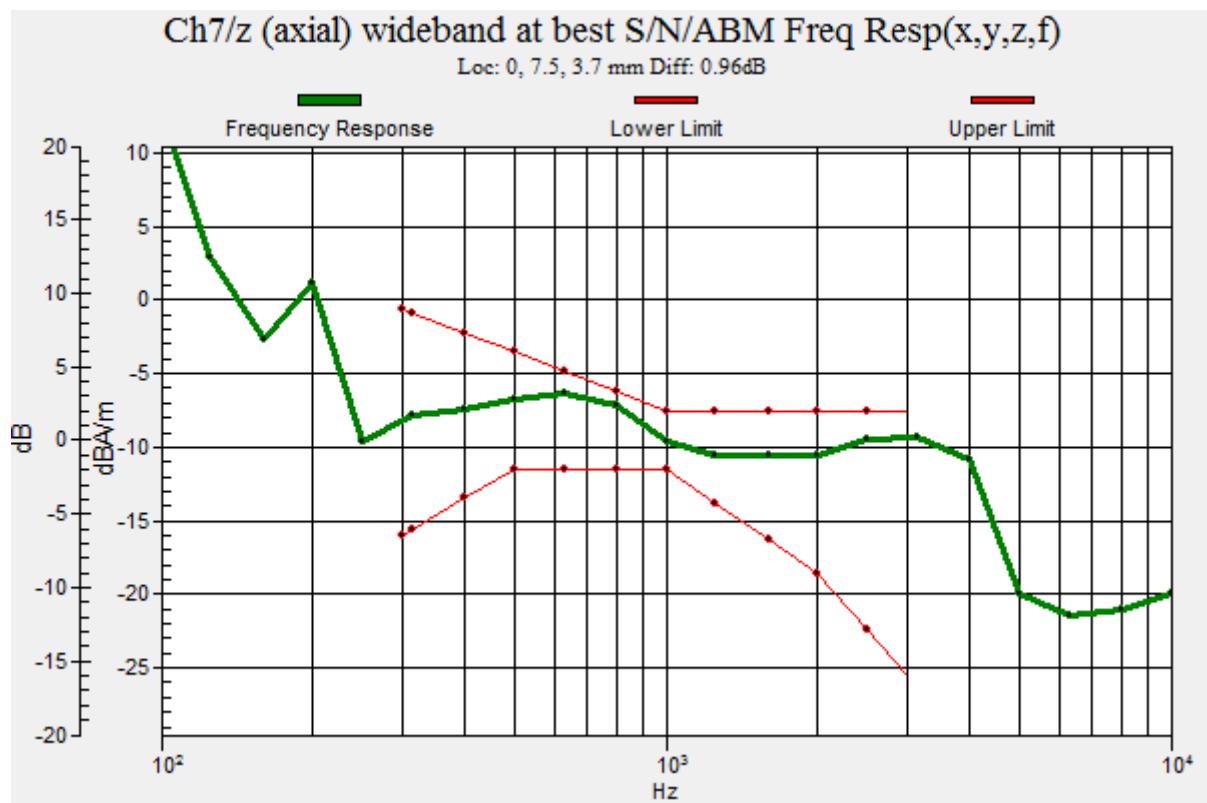
ABM1 comp = -5.84 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 211.0 = 46.49 dB



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

Date: 2023.08.17

## HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11g 6Mbps\_AMR 4.75Kbps\_Ch7\_Y

Communication System: UID 10416 - AAA, IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle); Frequency: 2442 MHz; Duty Cycle: 1:6.65273

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

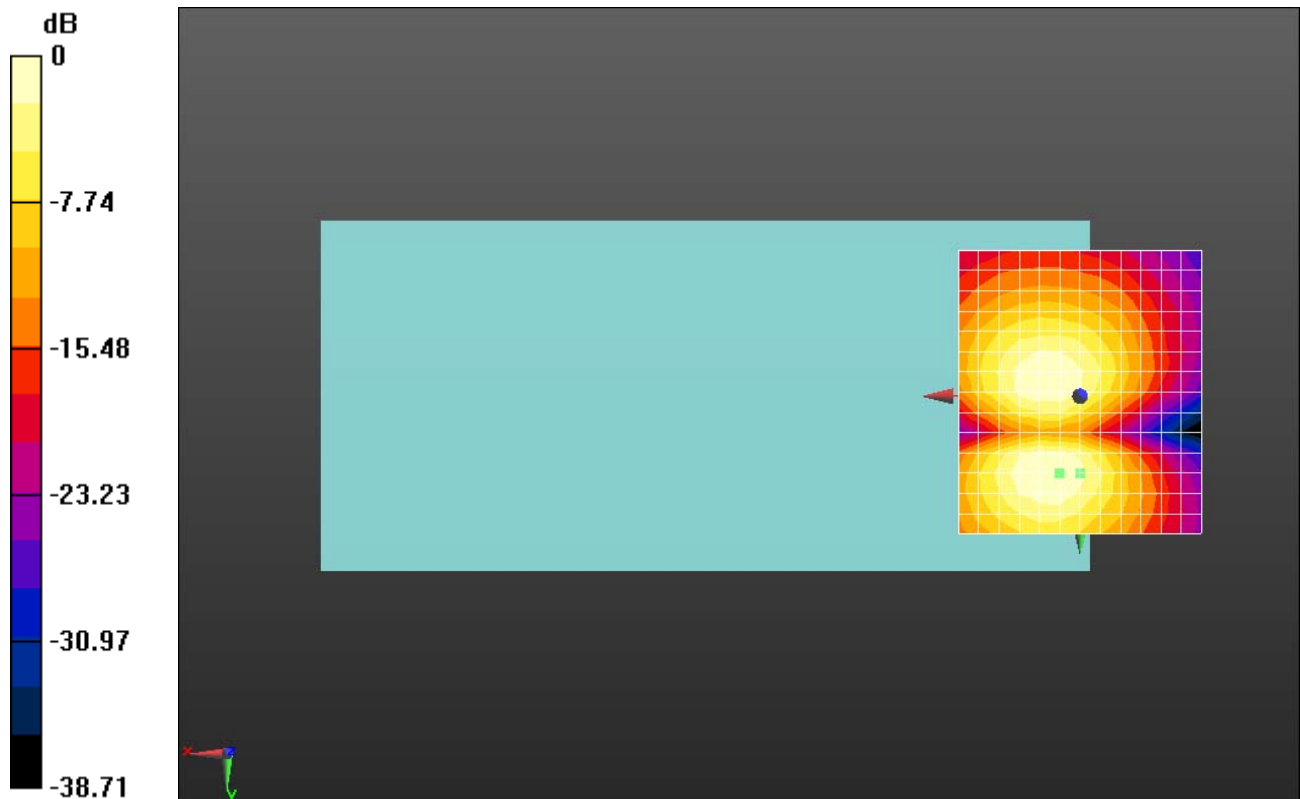
dx=10mm, dy=10mm

ABM1/ABM2 = 38.16 dB

ABM1 comp = -11.24 dBA/m

BWC Factor = 0.15 dB

Location: 0, 15.8, 3.7 mm



0 dB = 80.95 = 38.16 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

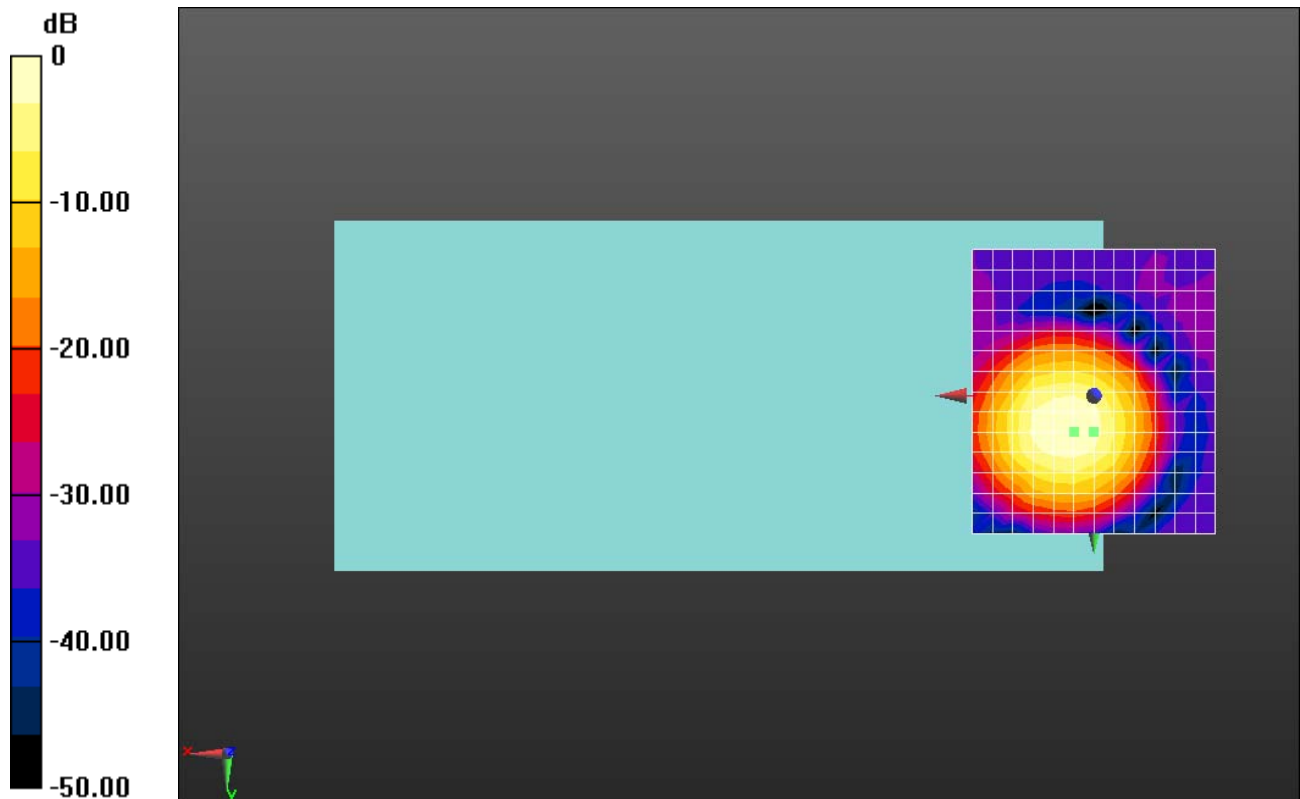
**Ch7/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.77 dB

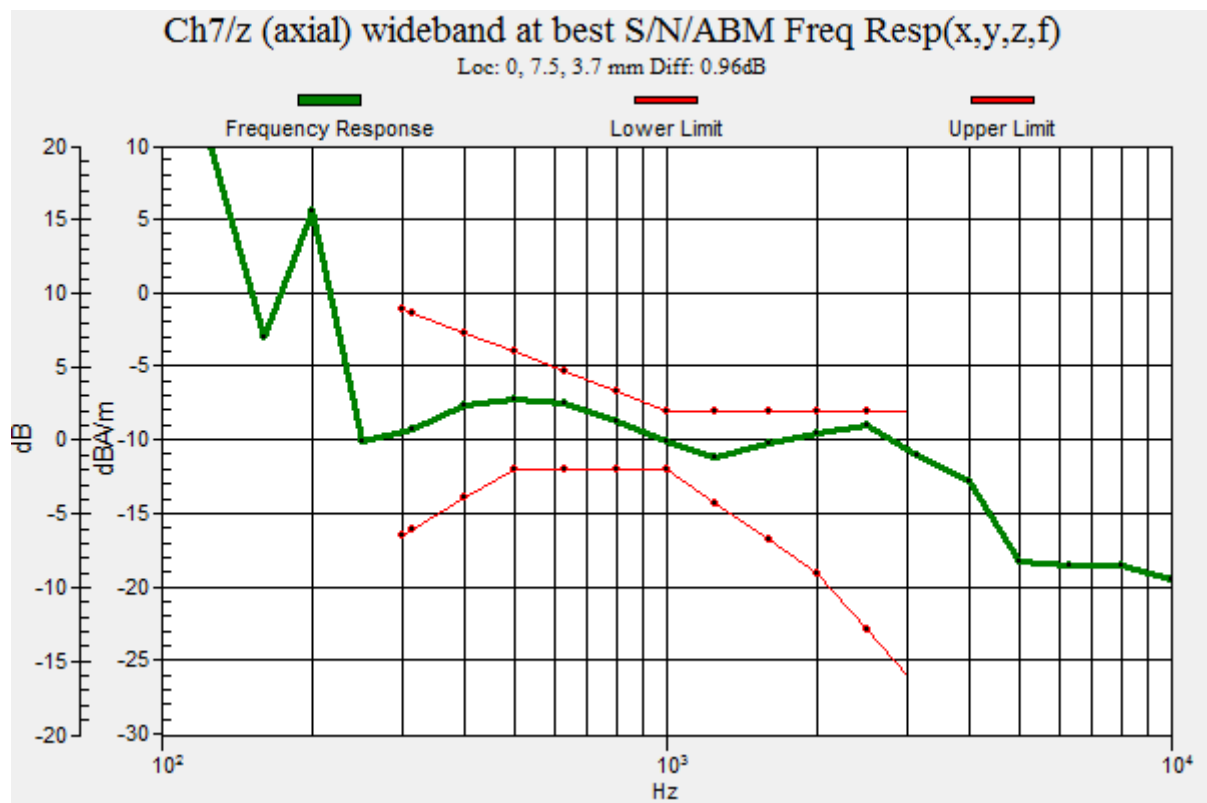
ABM1 comp = -4.75 dBA/m

BWC Factor = 0.16 dB

Location: 0, 7.5, 3.7 mm



0 dB = 217.9 = 46.77 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

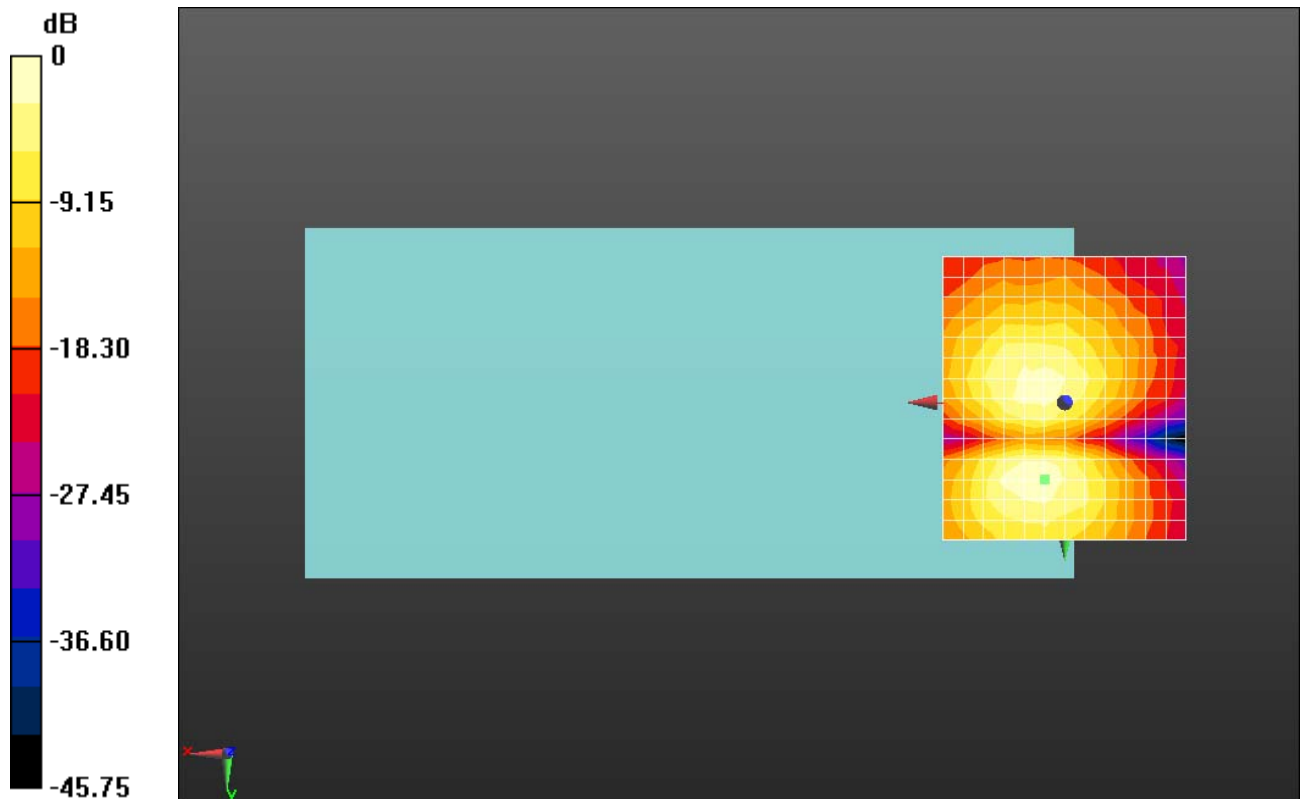
dx=10mm, dy=10mm

ABM1/ABM2 = 37.76 dB

ABM1 comp = -8.44 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 15.8, 3.7 mm



0 dB = 77.27 = 37.76 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

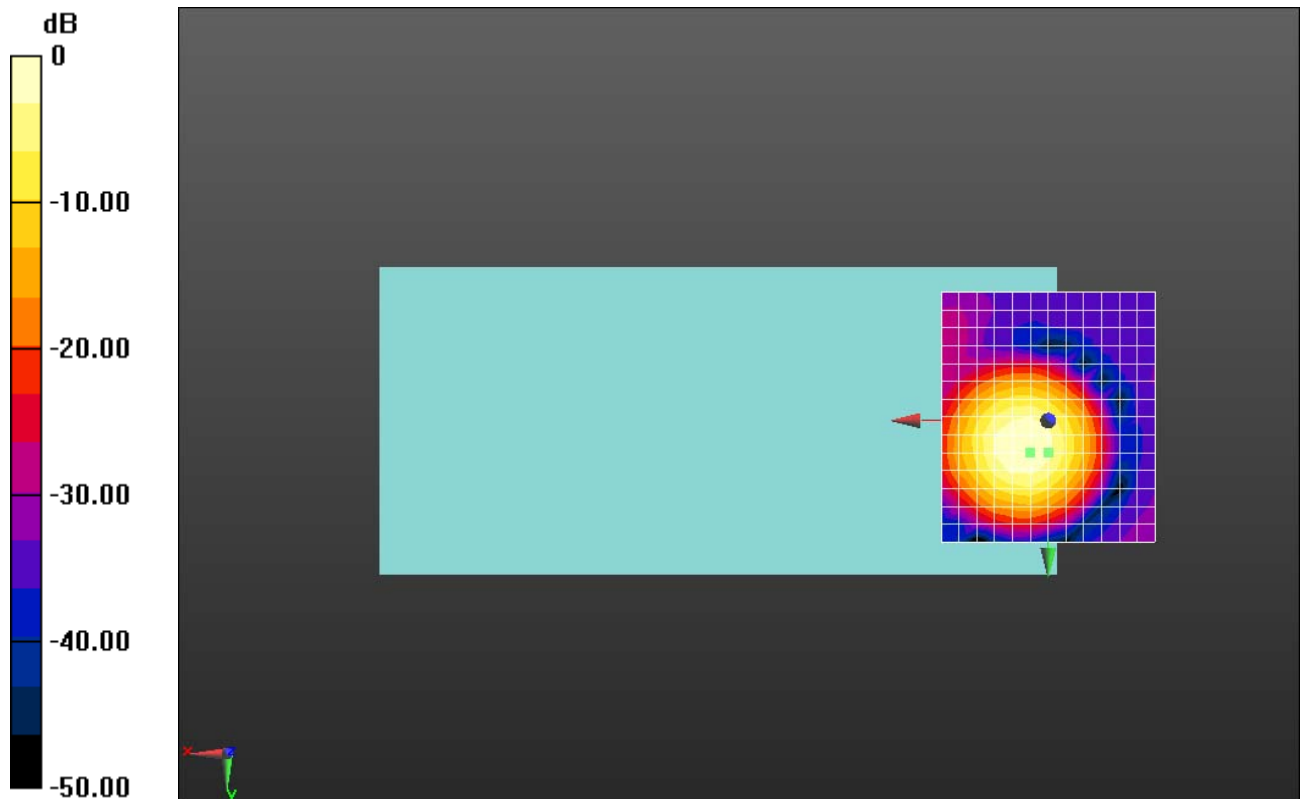
**Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.59 dB

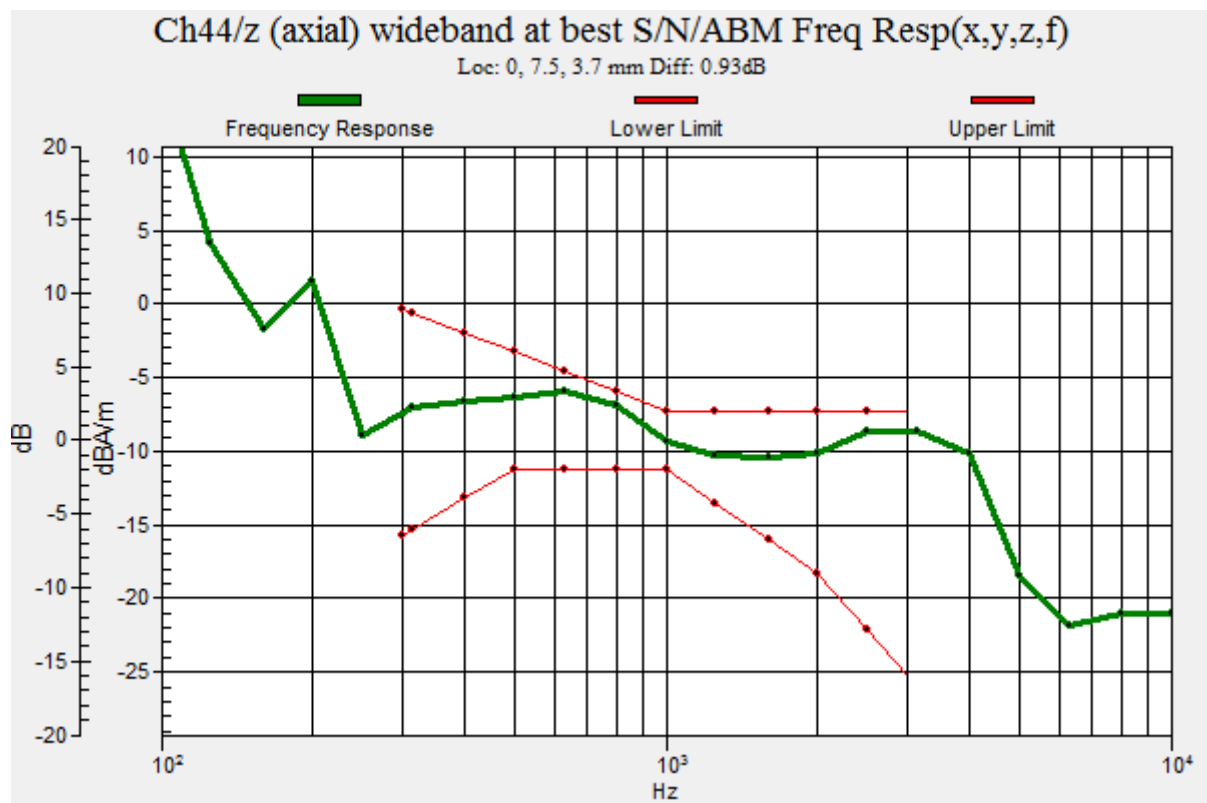
ABM1 comp = -5.19 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 190.3 = 45.59 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

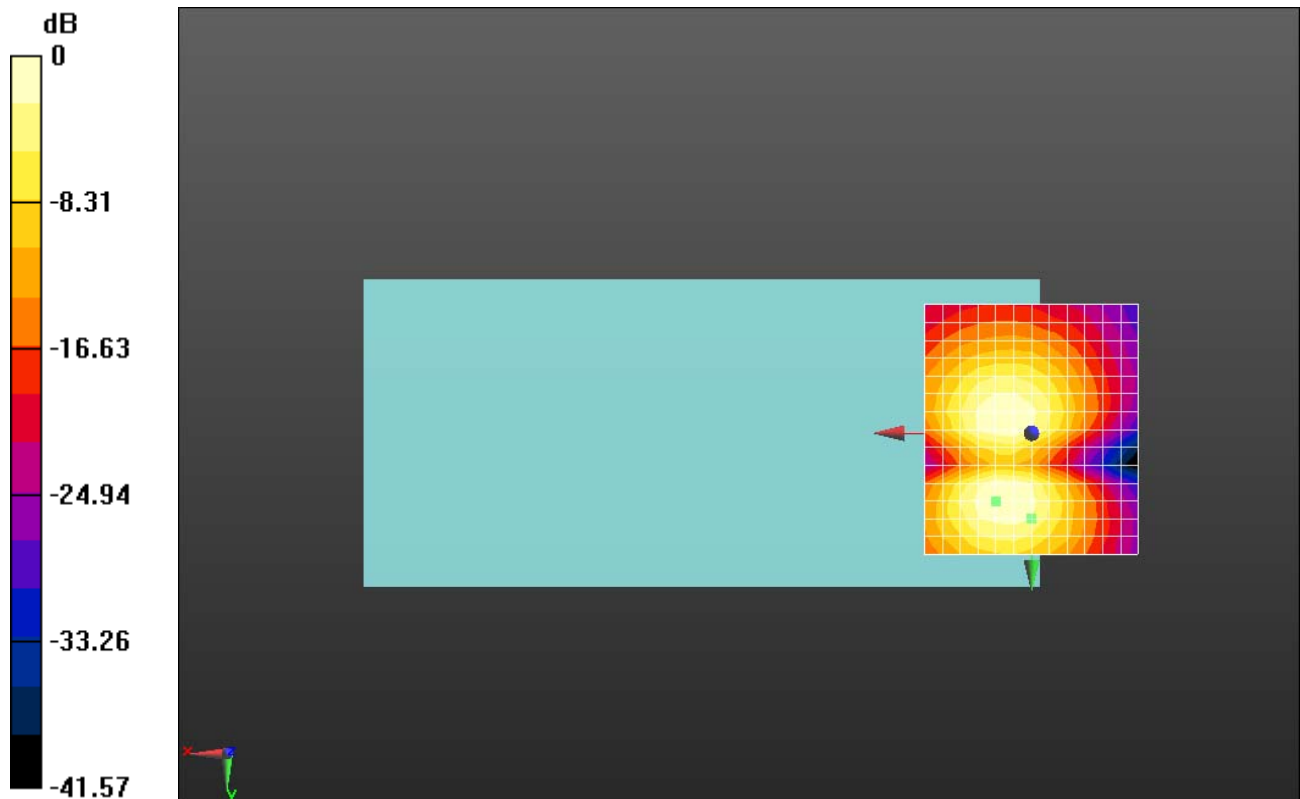
dx=10mm, dy=10mm

ABM1/ABM2 = 37.30 dB

ABM1 comp = -12.20 dBA/m

BWC Factor = 0.15 dB

Location: 0, 20, 3.7 mm



0 dB = 77.12 = 37.74 dB

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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

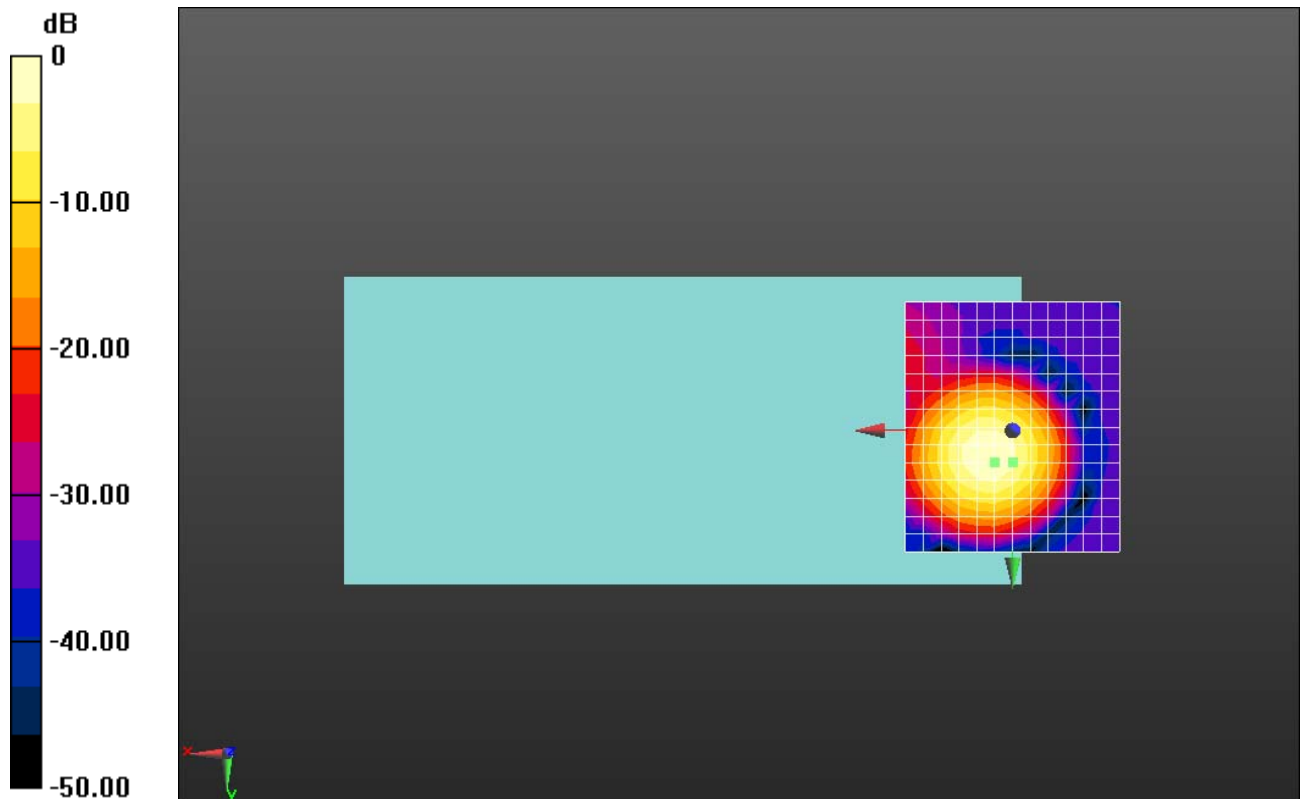
**Ch60/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.04 dB

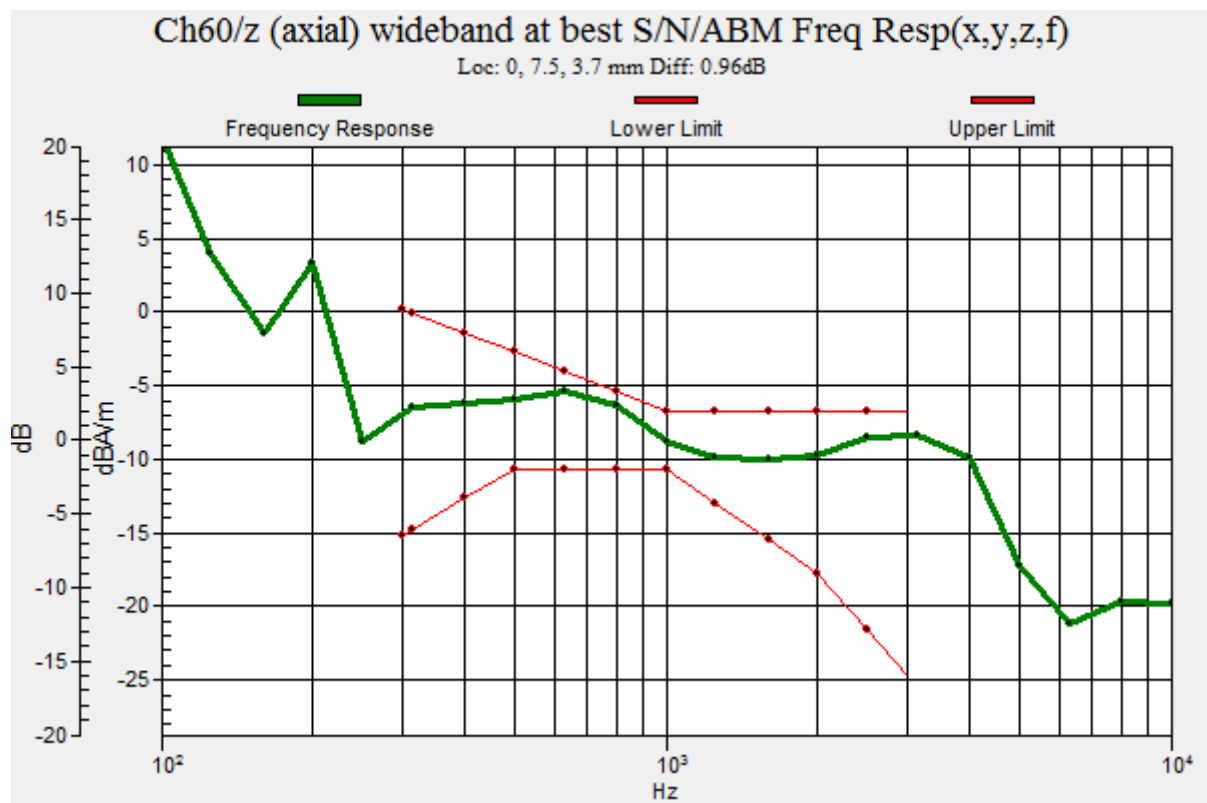
ABM1 comp = -4.91 dBA/m

BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 178.7 = 45.04 dB



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

Date: 2023.08.17

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

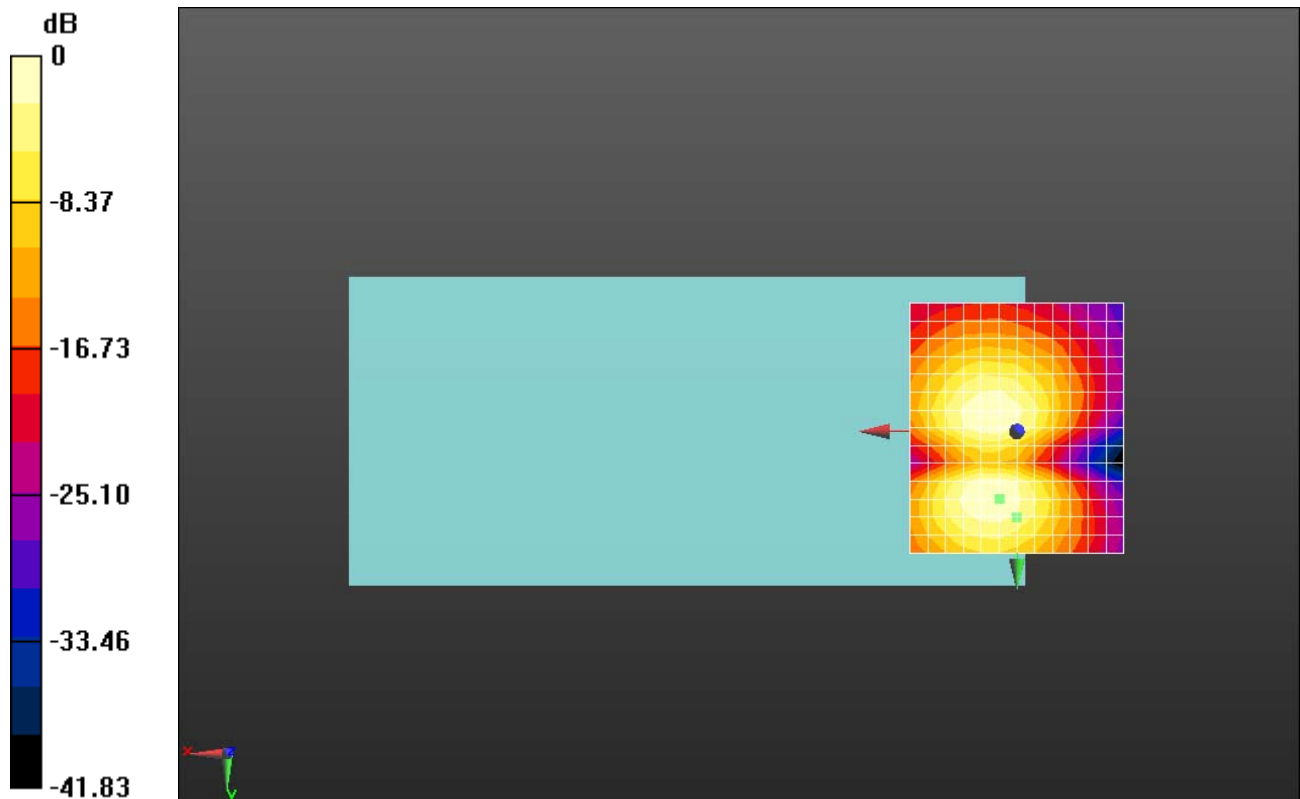
dx=10mm, dy=10mm

ABM1/ABM2 = 37.74 dB

ABM1 comp = -12.63 dBA/m

BWC Factor = 0.15 dB

Location: 0, 20, 3.7 mm



0 dB = 73.31 = 37.30 dB

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

Date: 2023.08.18

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

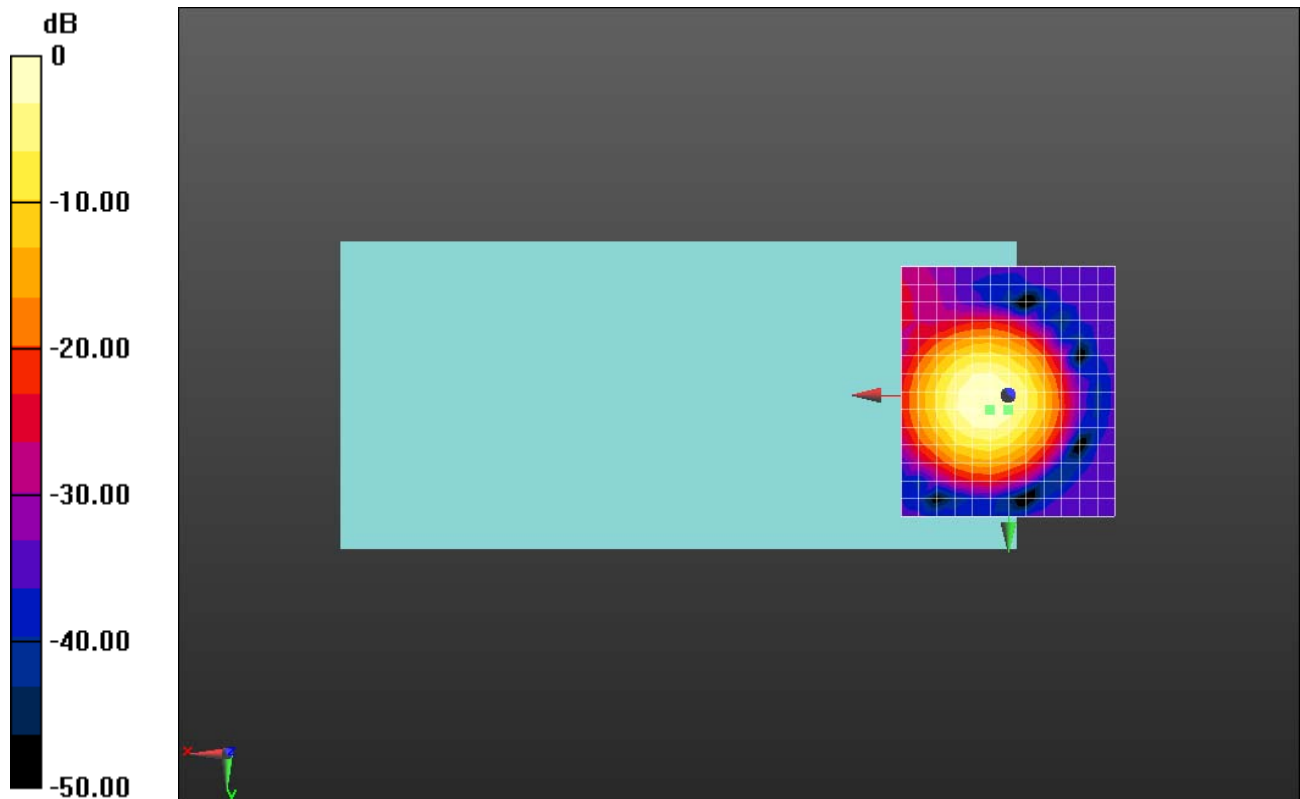
**Ch157/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.19 dB

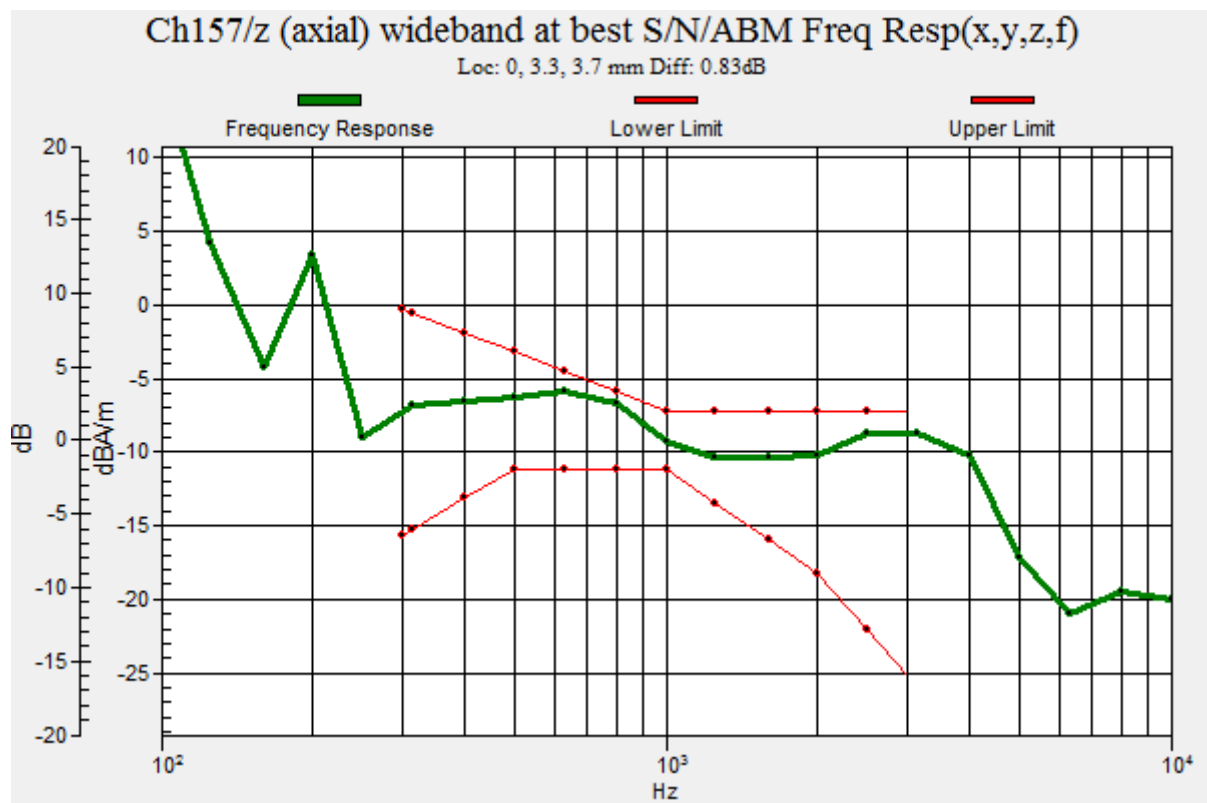
ABM1 comp = -5.06 dBA/m

BWC Factor = 0.15 dB

Location: 0, 3.3, 3.7 mm



0 dB = 181.8 = 45.19 dB



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

Date: 2023.08.18

## 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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

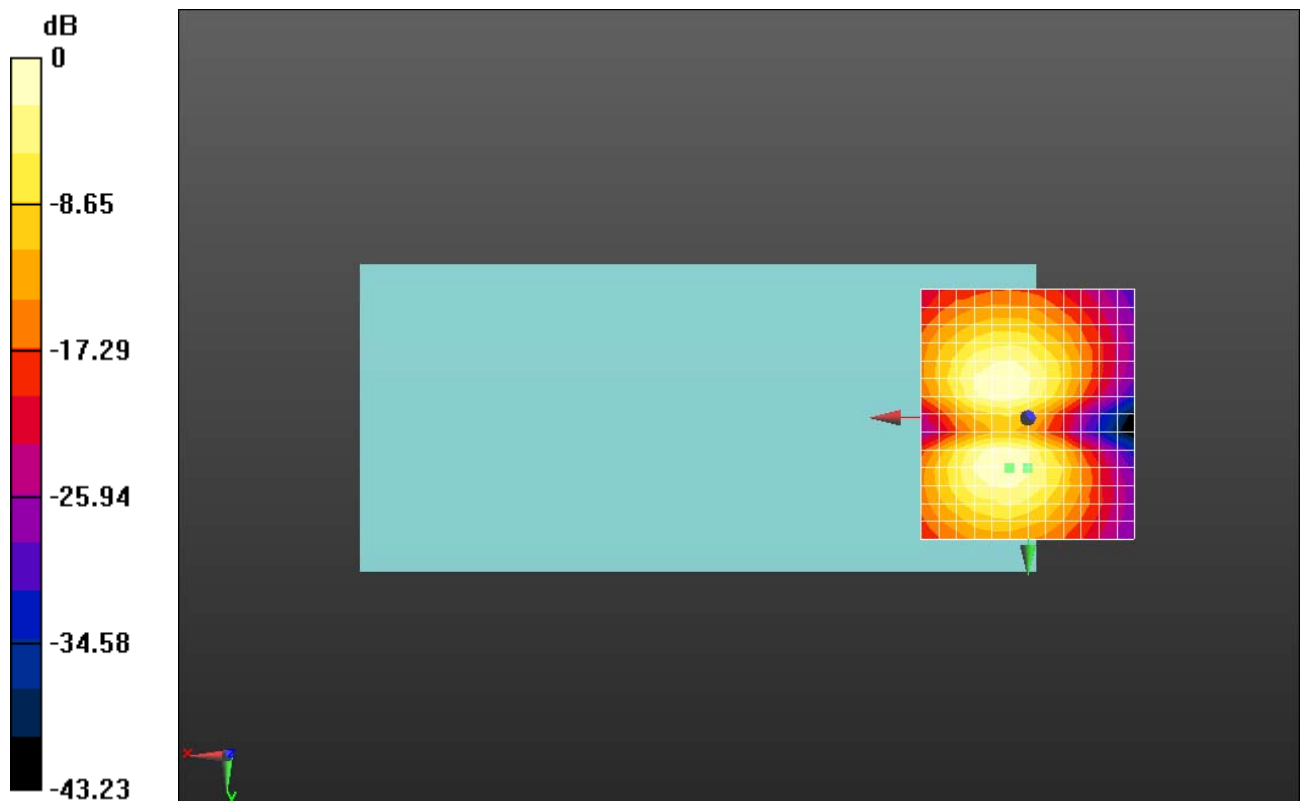
dx=10mm, dy=10mm

ABM1/ABM2 = 37.80 dB

ABM1 comp = -11.53 dBA/m

BWC Factor = 0.15 dB

Location: 0, 11.7, 3.7 mm



0 dB = 77.64 = 37.80 dB

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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT20 MCS0\_AMR 4.75Kbps\_Ch44\_Z

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);  
Frequency: 5220 MHz; Duty Cycle: 1:6.44169

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

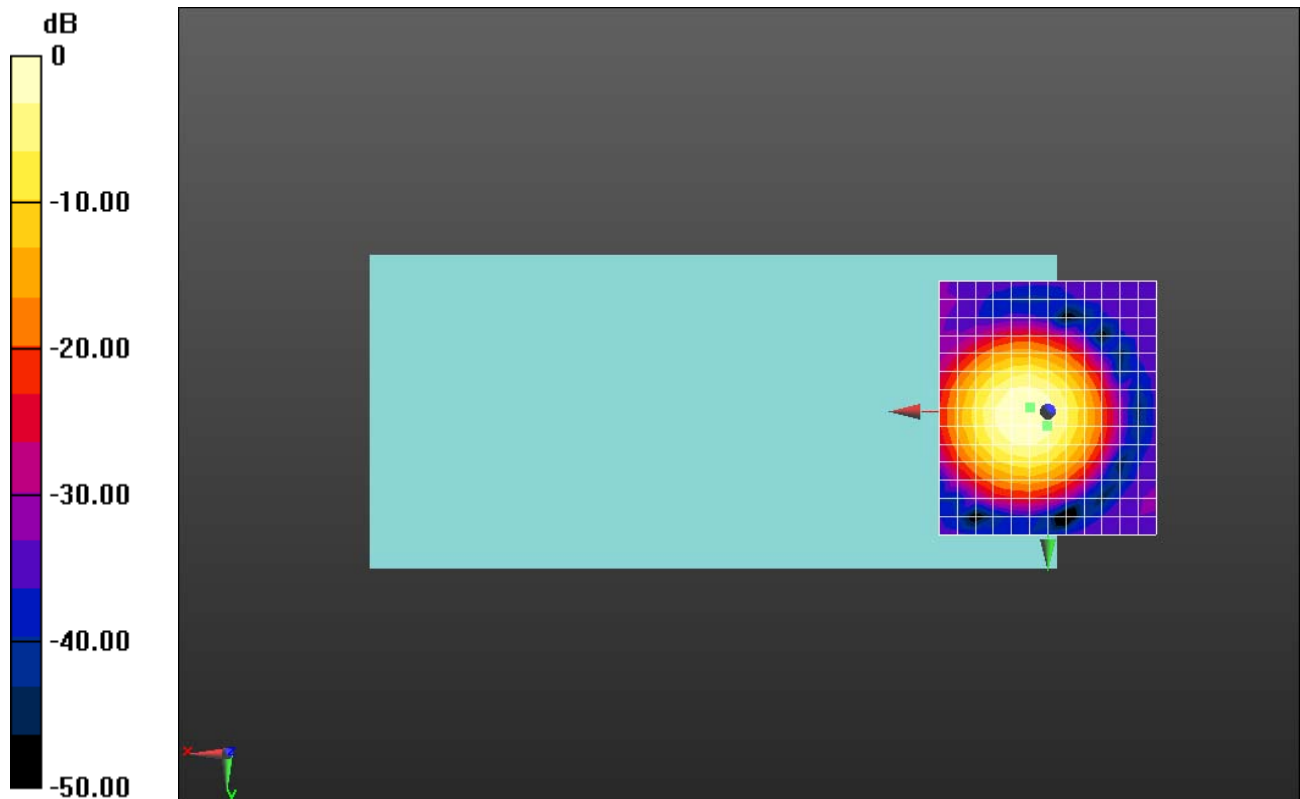
**Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.21 dB

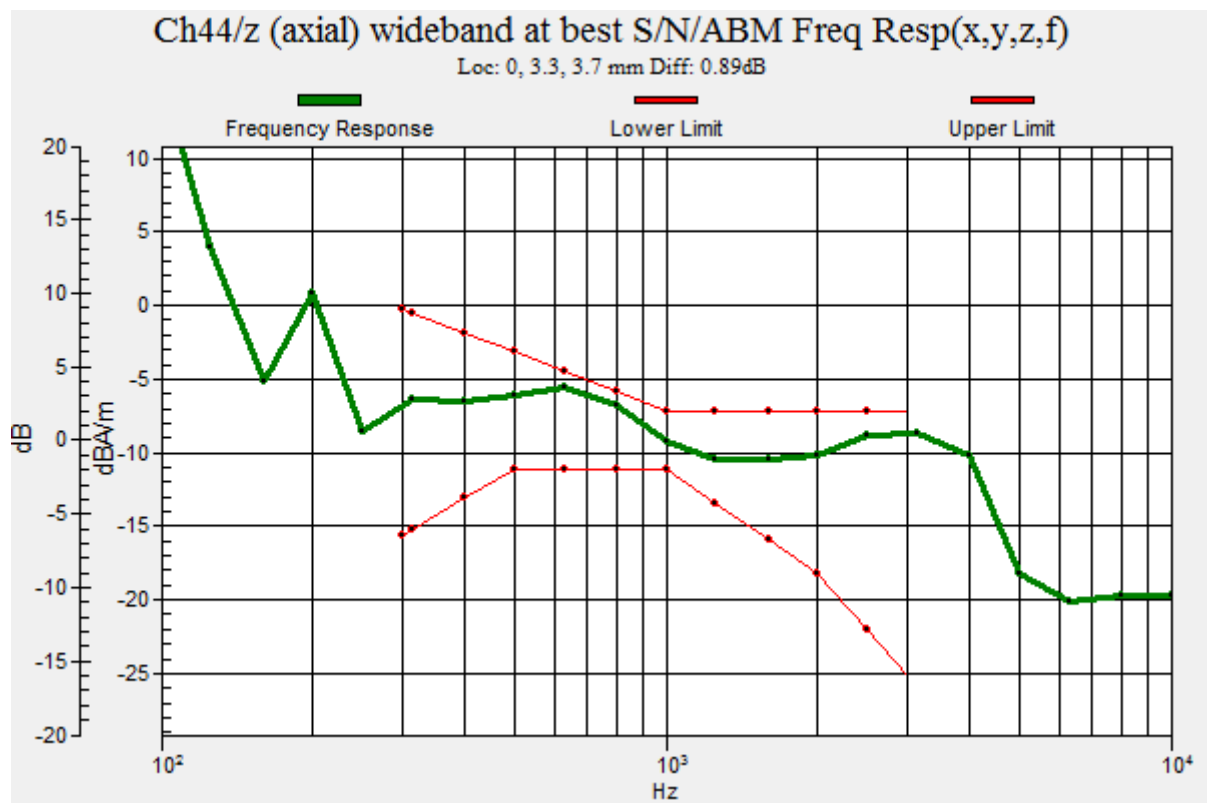
ABM1 comp = -5.18 dBA/m

BWC Factor = 0.15 dB

Location: 0, 3.3, 3.7 mm



0 dB = 229.5 = 47.22 dB



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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT20 MCS0\_AMR 4.75Kbps\_Ch44\_Y

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);  
Frequency: 5220 MHz; Duty Cycle: 1:6.44169

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

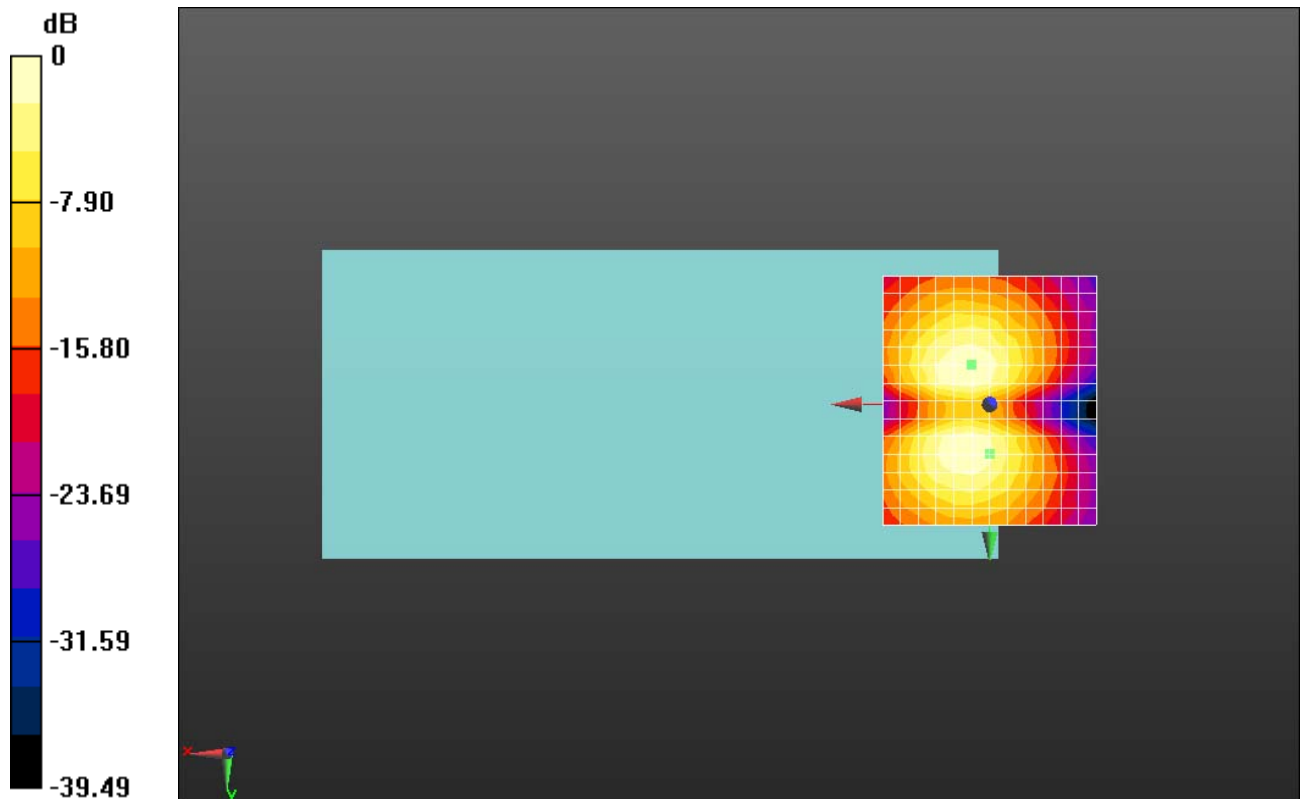
dx=10mm, dy=10mm

ABM1/ABM2 = 38.07 dB

ABM1 comp = -11.82 dBA/m

BWC Factor = 0.15 dB

Location: 0, 11.7, 3.7 mm



0 dB = 80.05 = 38.07 dB

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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT40 MCS0\_AMR 4.75Kbps\_Ch46\_Z

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);  
Frequency: 5230 MHz; Duty Cycle: 1:6.4121

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

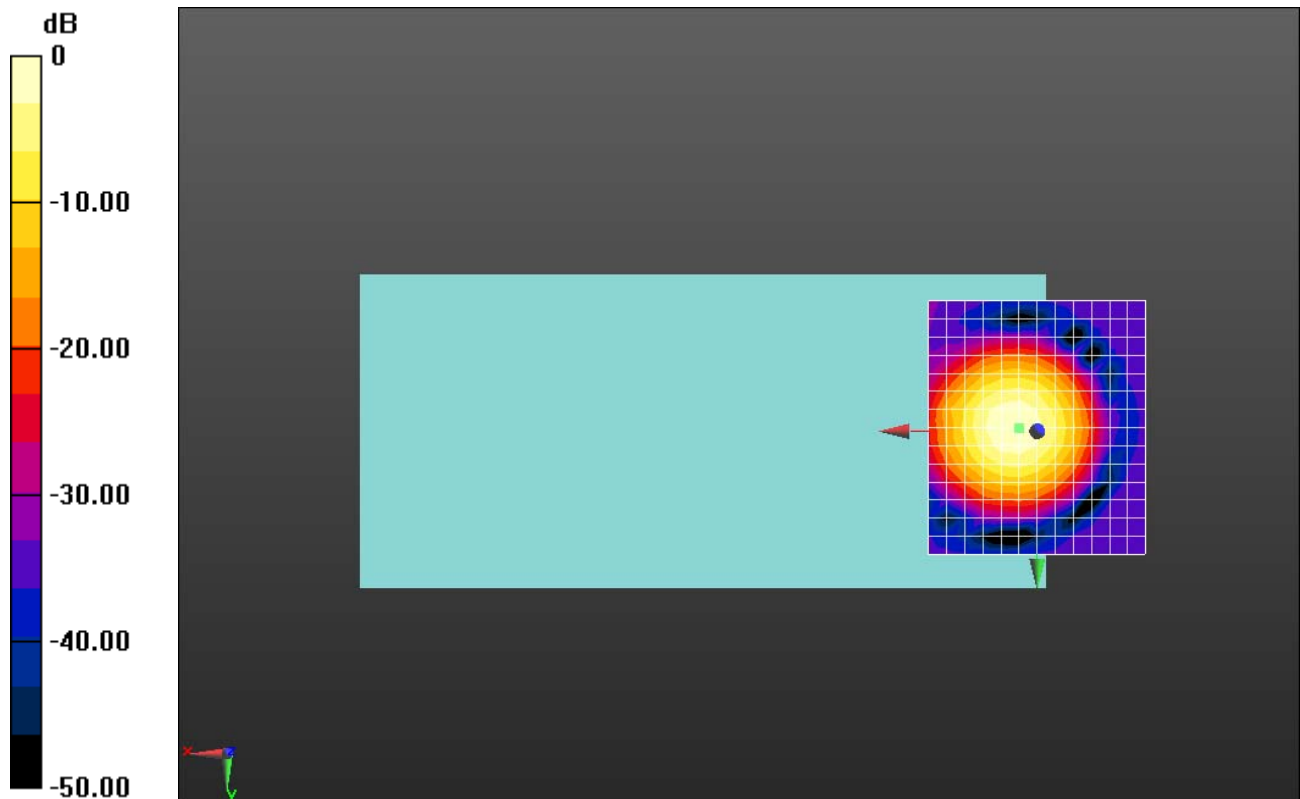
**Ch46/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.75 dB

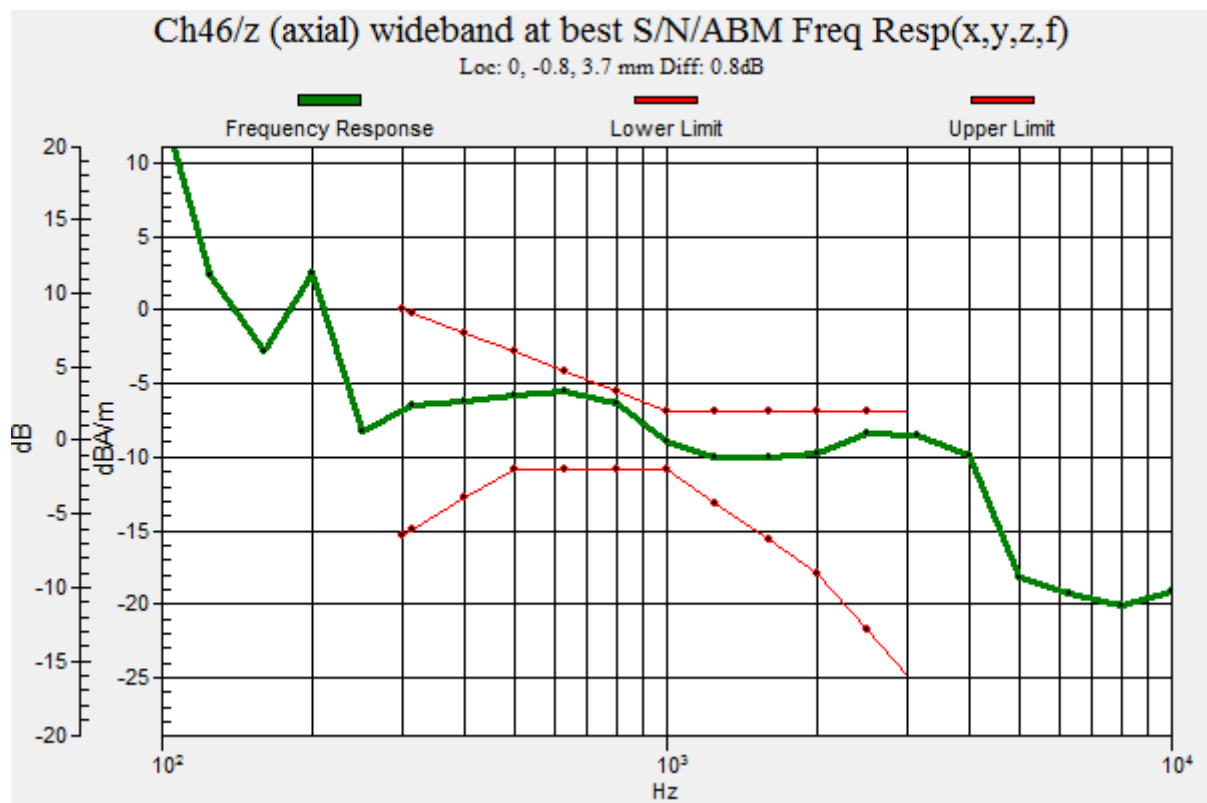
ABM1 comp = -4.68 dBA/m

BWC Factor = 0.15 dB

Location: 0, -0.8, 3.7 mm



0 dB = 244.1 = 47.75 dB



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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT40 MCS0\_AMR 4.75Kbps\_Ch46\_Y

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);  
Frequency: 5230 MHz; Duty Cycle: 1:6.4121

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

**Ch46/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:

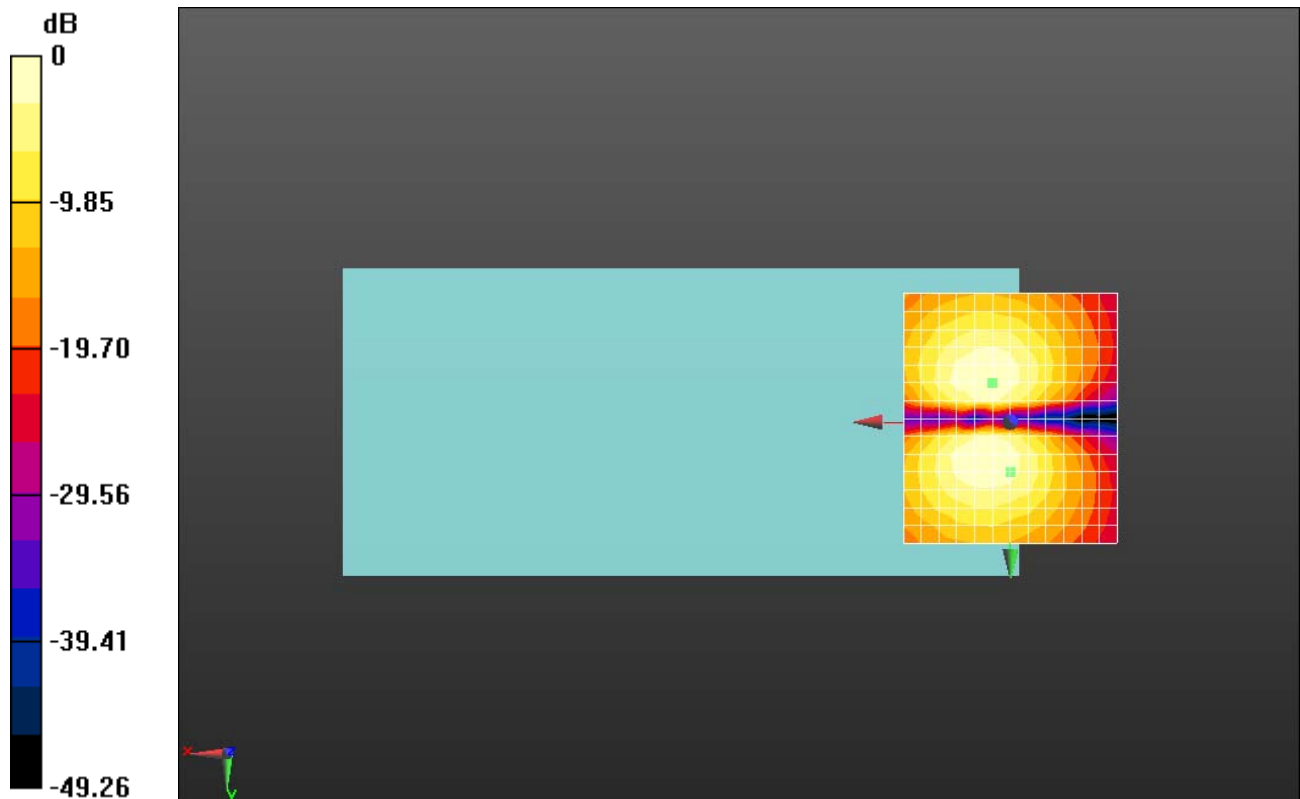
dx=10mm, dy=10mm

ABM1/ABM2 = 38.52 dB

ABM1 comp = -11.71 dBA/m

BWC Factor = 0.15 dB

Location: 0, 11.7, 3.7 mm



0 dB = 84.30 = 38.52 dB

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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT20 MCS0\_AMR 4.75Kbps\_Ch44\_Z

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle); Frequency: 5220 MHz; Duty Cycle: 1:6.87068

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

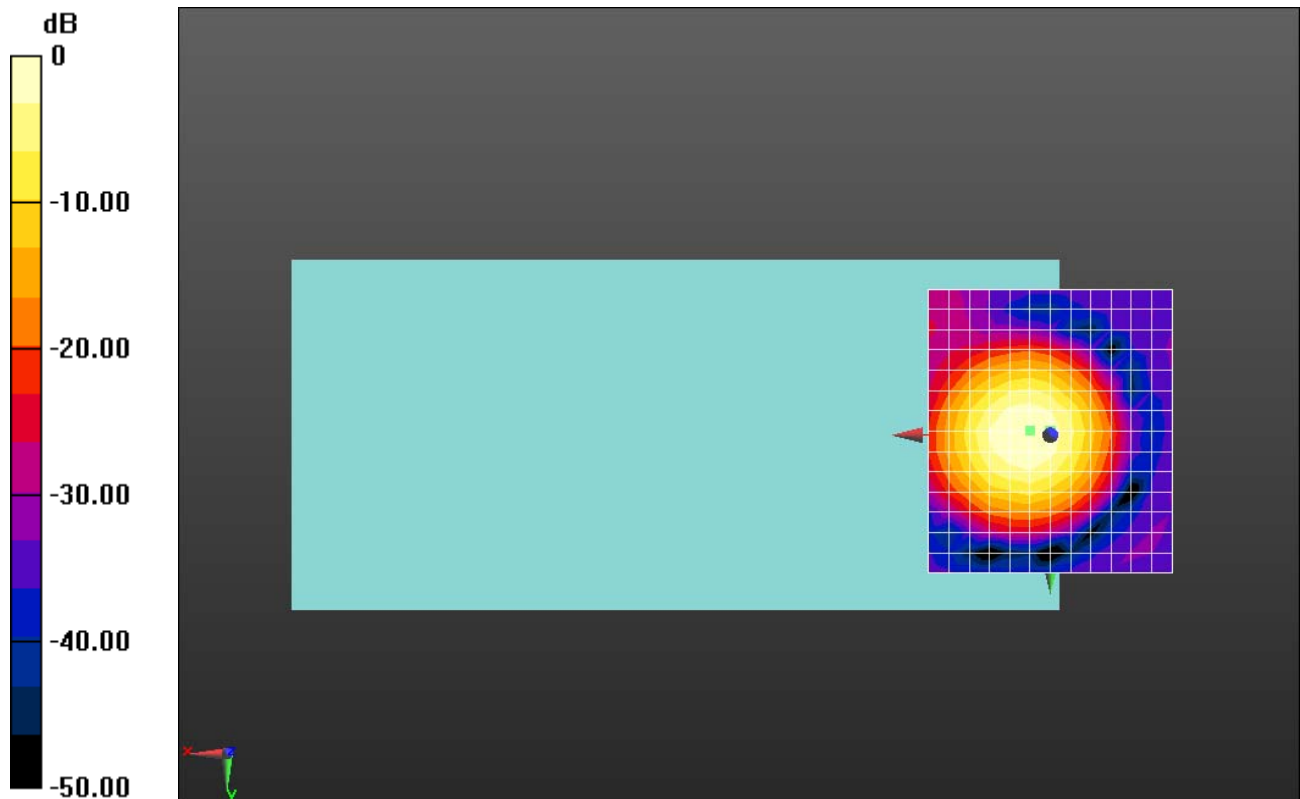
**Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.36 dB

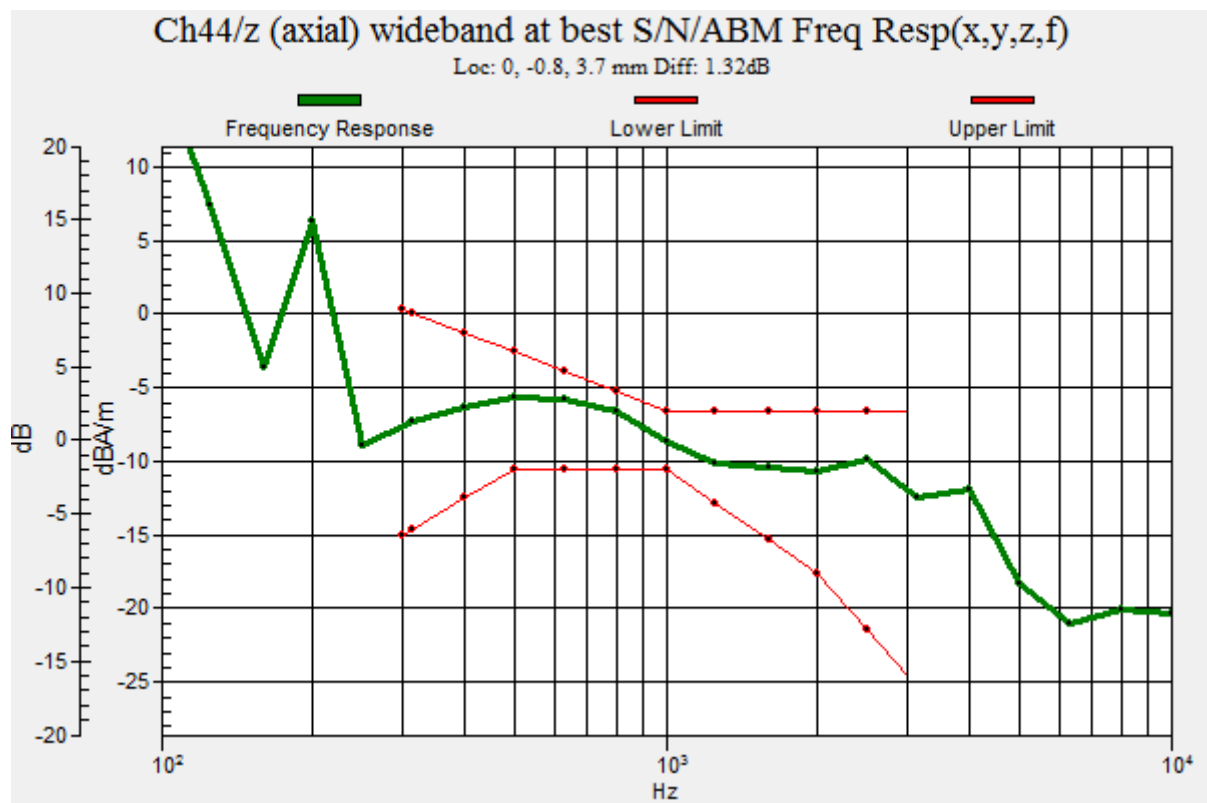
ABM1 comp = -4.72 dBA/m

BWC Factor = 0.15 dB

Location: 0, -0.8, 3.7 mm



0 dB = 185.3 = 45.36 dB



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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT20 MCS0\_AMR 4.75Kbps\_Ch44\_Y

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle); Frequency: 5220 MHz; Duty Cycle: 1:6.87068

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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:

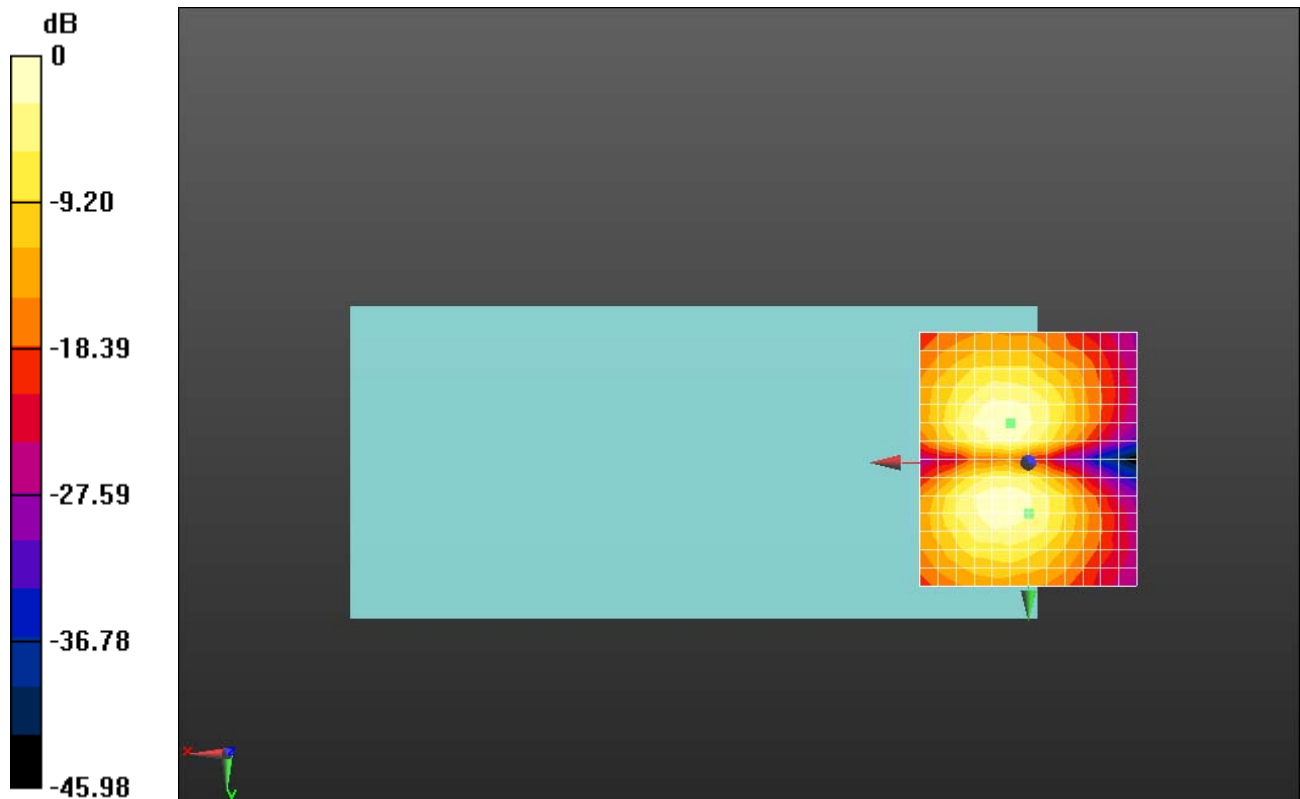
dx=10mm, dy=10mm

ABM1/ABM2 = 38.06 dB

ABM1 comp = -11.31 dBA/m

BWC Factor = 0.15 dB

Location: 0, 11.7, 3.7 mm



0 dB = 80.00 = 38.06 dB

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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT40 MCS0\_AMR 4.75Kbps\_Ch46\_Z

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5230 MHz; Duty Cycle: 1:6.87068

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

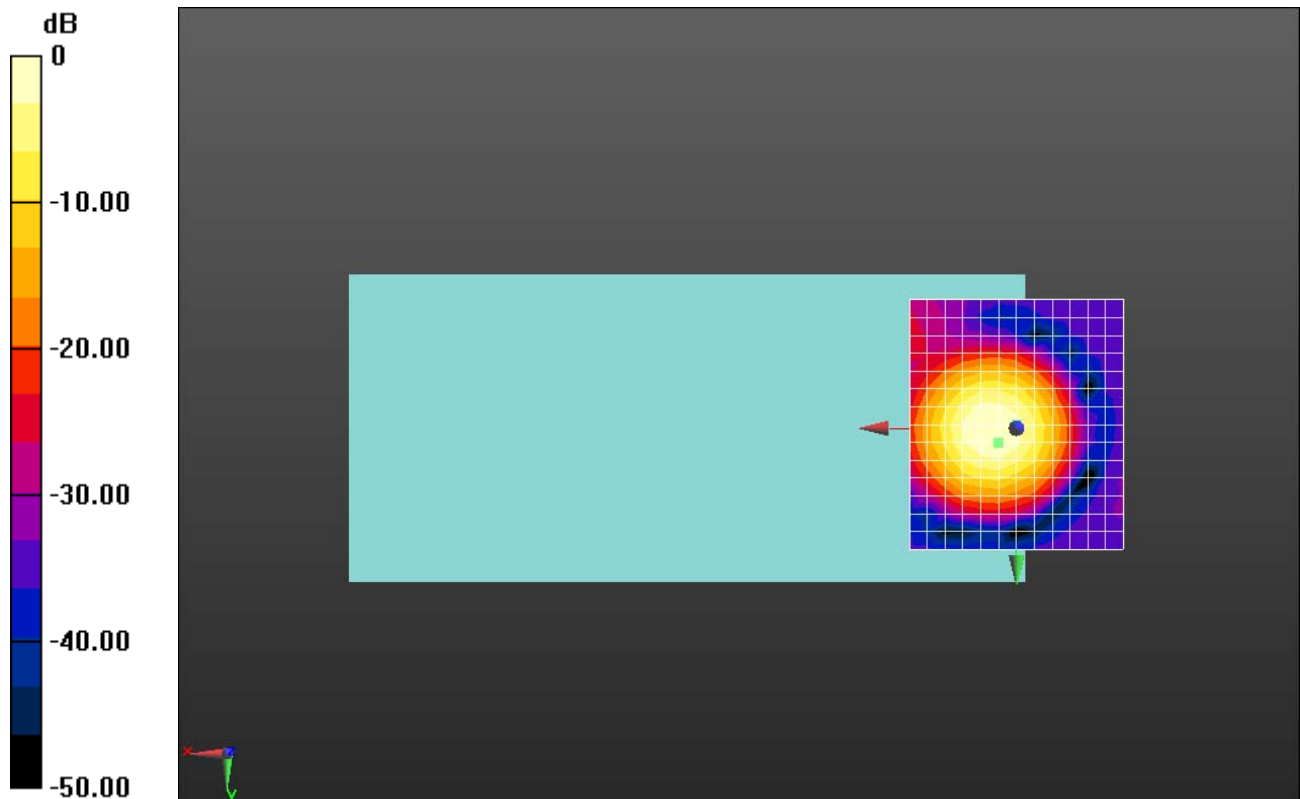
**Ch46/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.26 dB

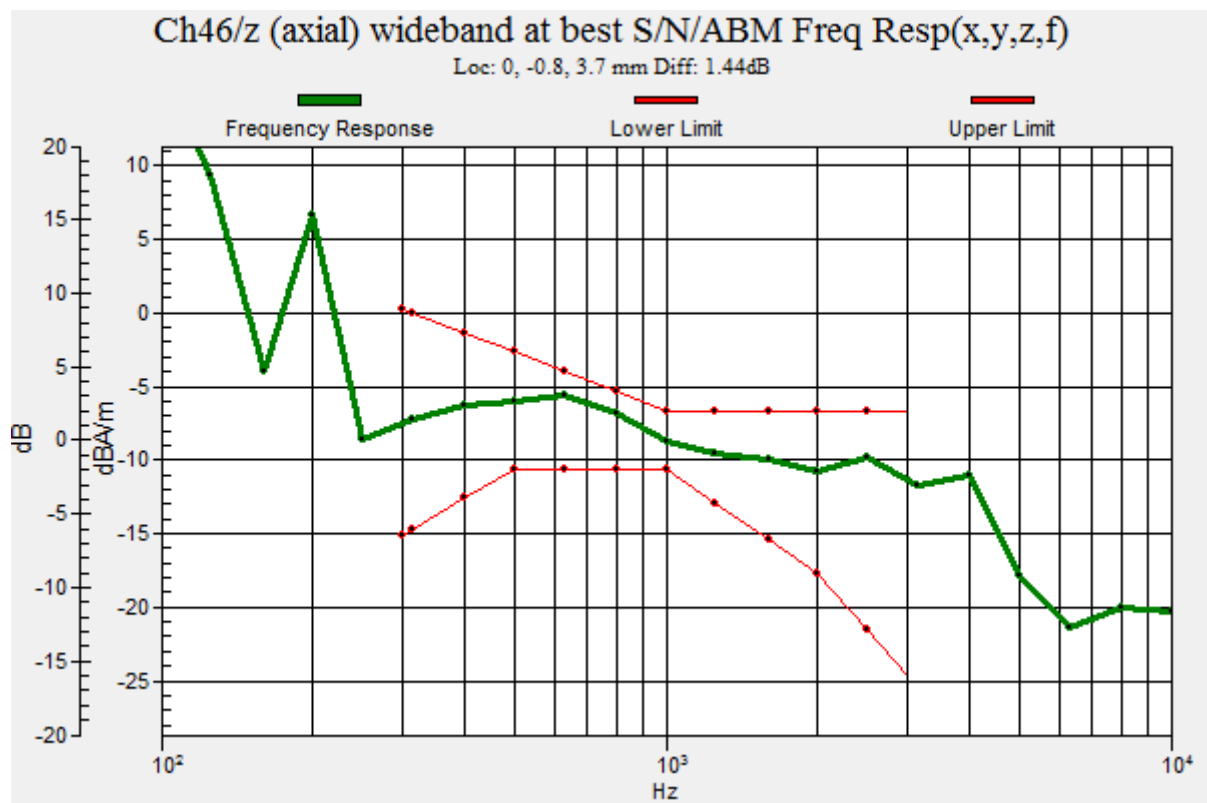
ABM1 comp = -4.46 dBA/m

BWC Factor = 0.15 dB

Location: 0, -0.8, 3.7 mm



0 dB = 183.3 = 45.26 dB



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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT40 MCS0\_AMR 4.75Kbps\_Ch46\_Y

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5230 MHz; Duty Cycle: 1:6.87068

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

**Ch46/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:

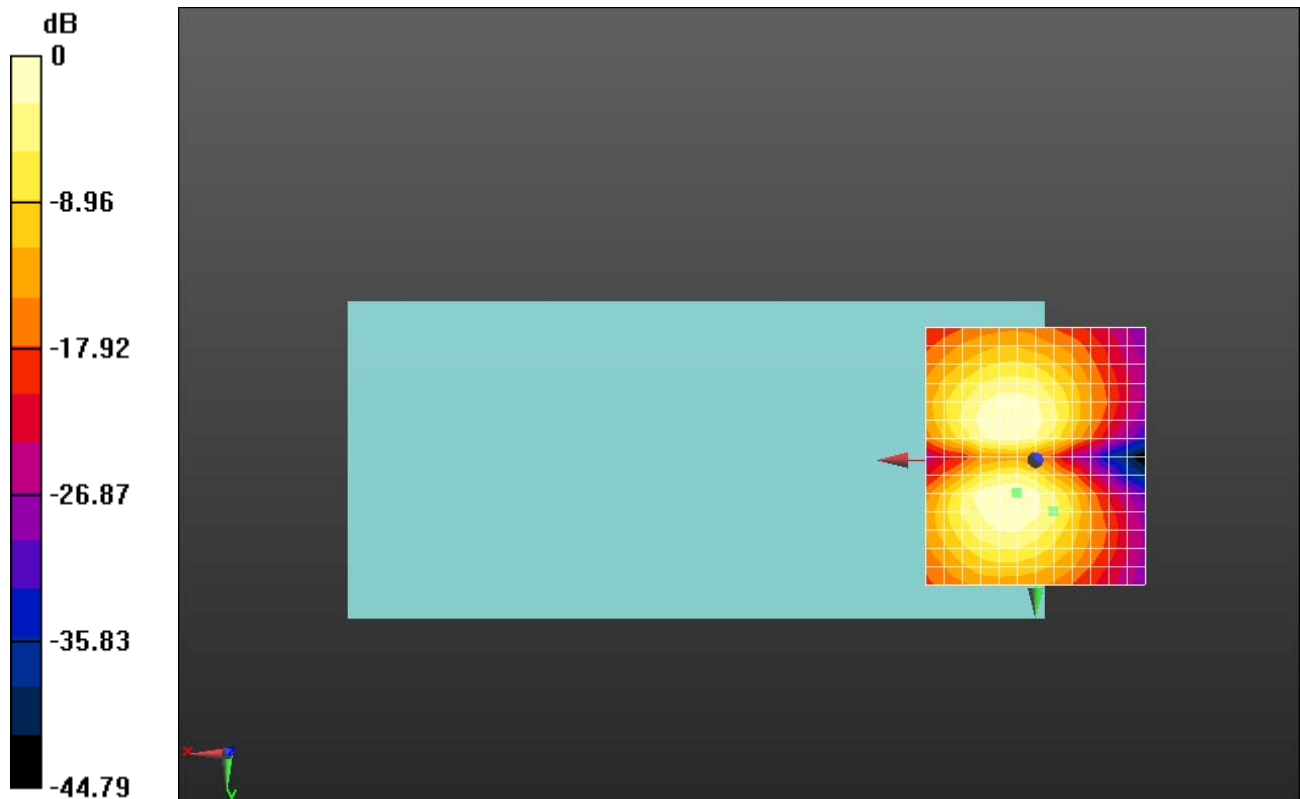
dx=10mm, dy=10mm

ABM1/ABM2 = 37.54 dB

ABM1 comp = -13.56 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 11.7, 3.7 mm



0 dB = 75.30 = 37.54 dB

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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT80 MCS0\_AMR 4.75Kbps\_Ch42\_Z

Communication System: UID 10402 - AAA, IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle); Frequency: 5210 MHz; Duty Cycle: 1:7.12853

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

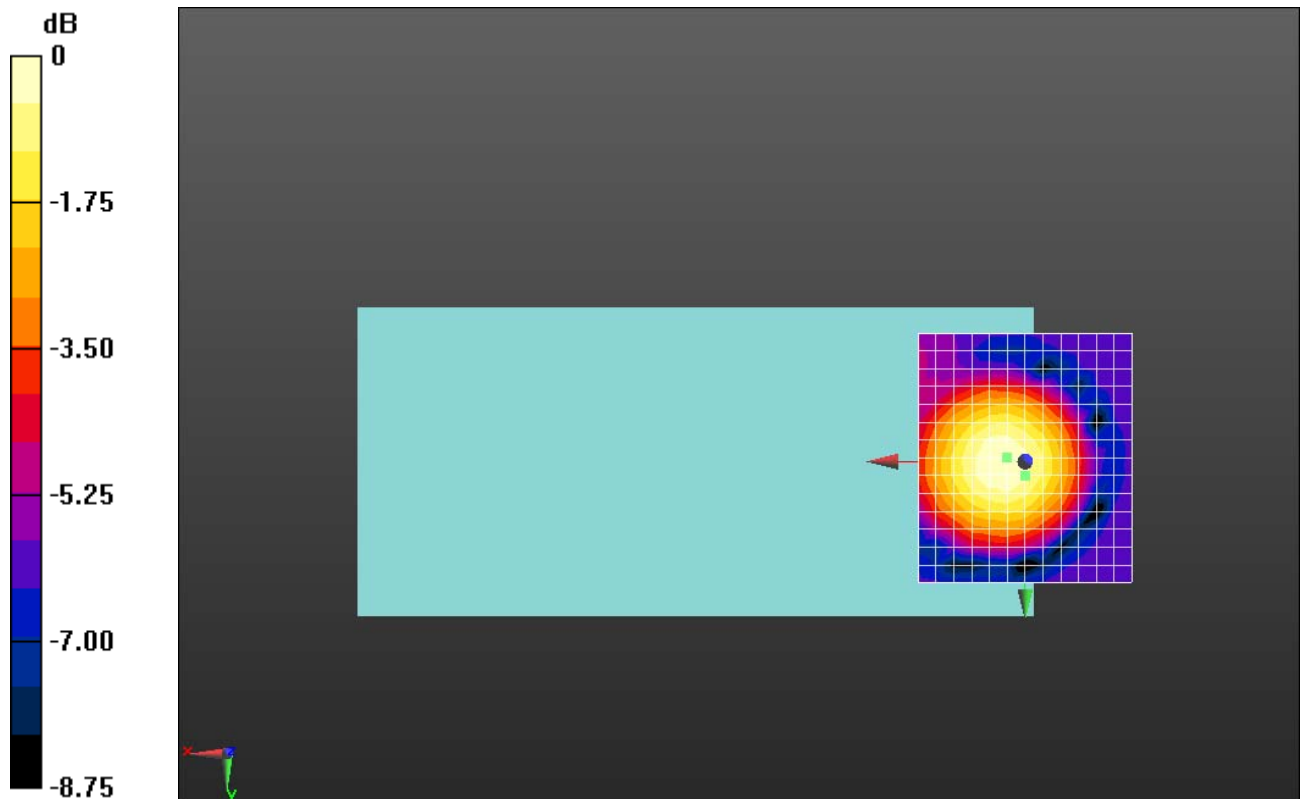
**Ch42/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.81 dB

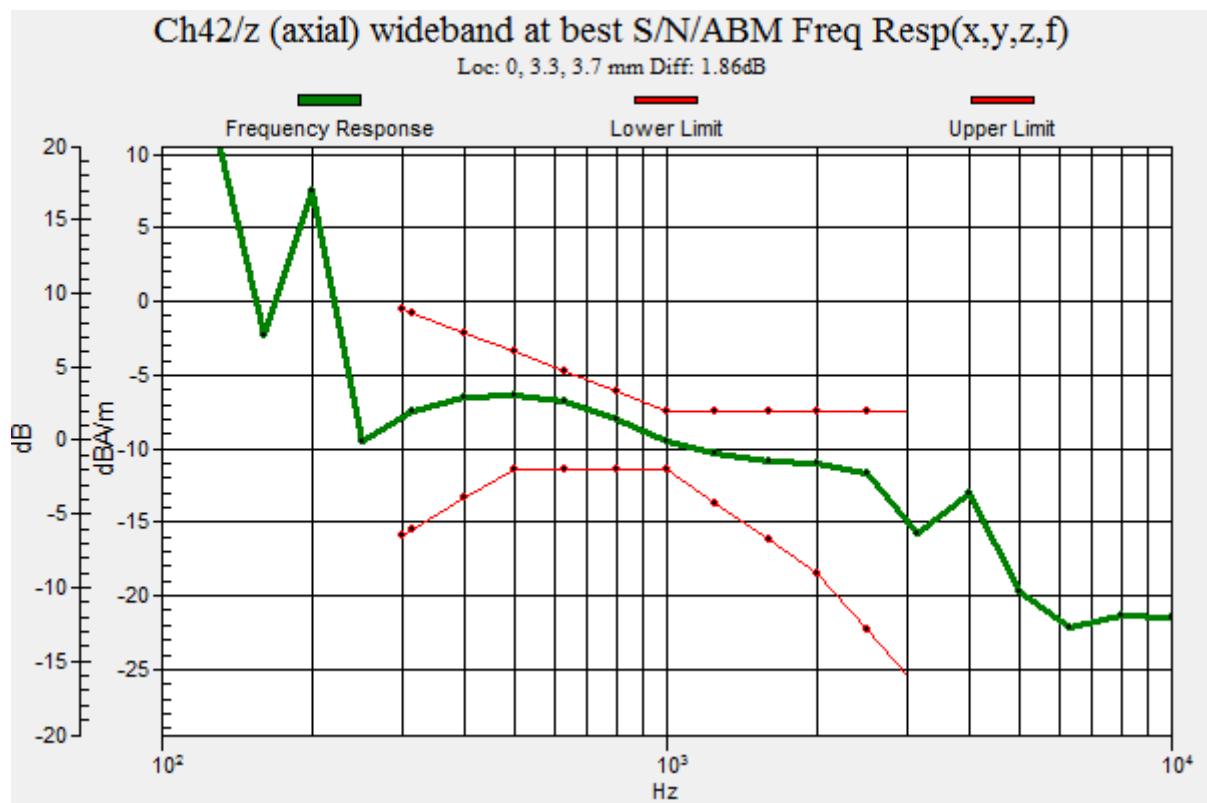
ABM1 comp = -5.31 dBA/m

BWC Factor = 0.15 dB

Location: 0, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB



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

Date: 2023.08.18

## HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT80 MCS0\_AMR 4.75Kbps\_Ch42\_Y

Communication System: UID 10402 - AAA, IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle); Frequency: 5210 MHz; Duty Cycle: 1:7.12853

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 1048; ; Calibrated: 2023.06.13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn373; Calibrated: 2022.12.28
- 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)

**Ch42/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:

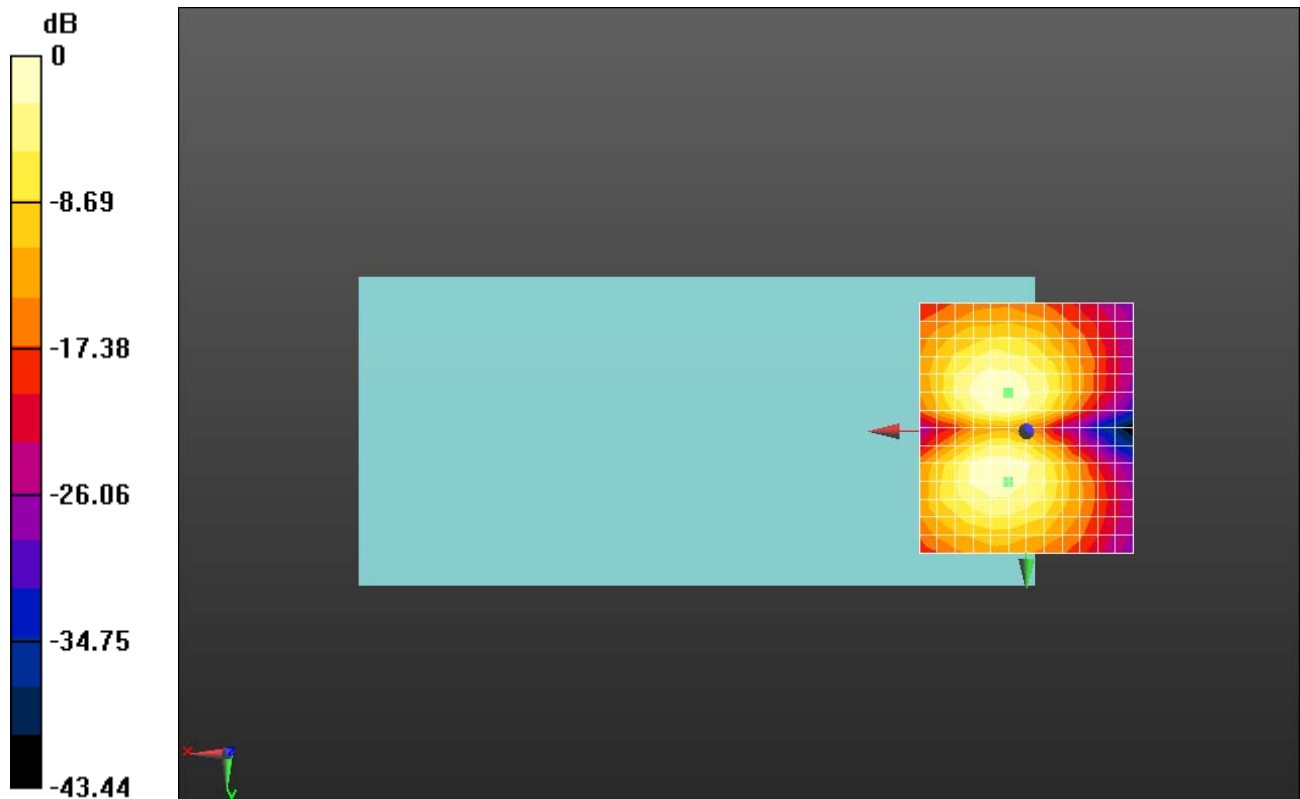
dx=10mm, dy=10mm

ABM1/ABM2 = 38.06 dB

ABM1 comp = -9.34 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, 11.7, 3.7 mm



0 dB = 79.98 = 38.06 dB