



REPORT No.: SZ23050281S03

## Annex C Plots of T-Coil Test Results

## 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 - 3128; ; Calibrated: 2022.07.19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2022.06.22
- 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)

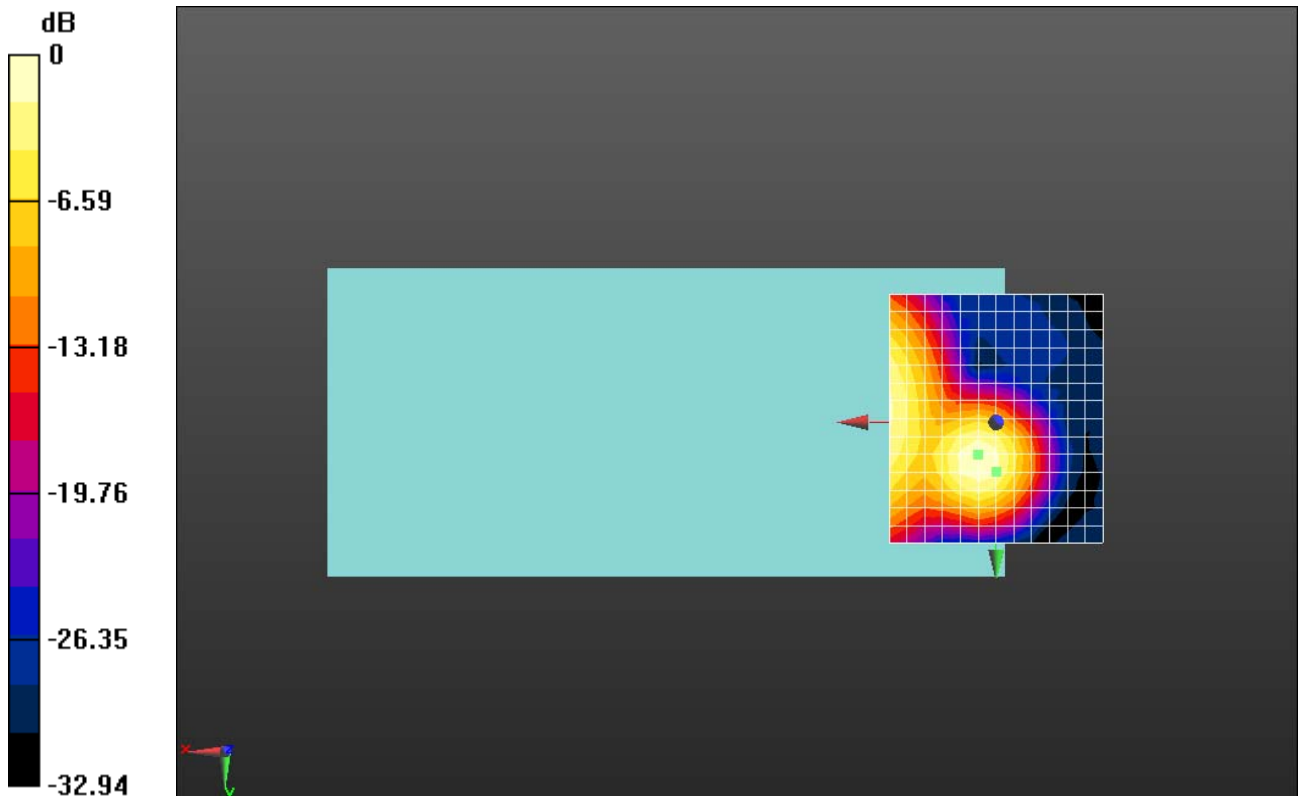
**Ch189/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 25.53 dB

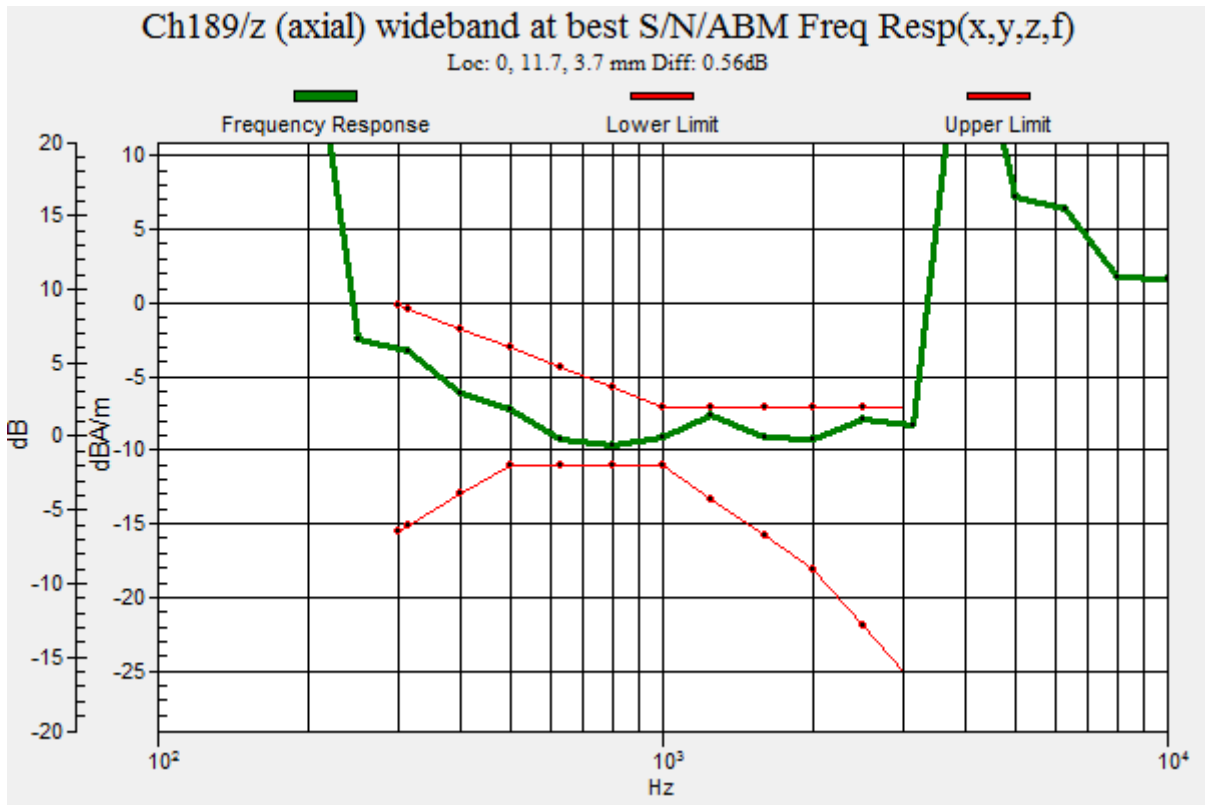
ABM1 comp = -9.01 dBA/m

BWC Factor = 0.15 dB

Location: 0, 11.7, 3.7 mm



0 dB = 18.83 = 25.50 dB



## 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 - 3128; ; Calibrated: 2022.07.19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2022.06.22
- 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:

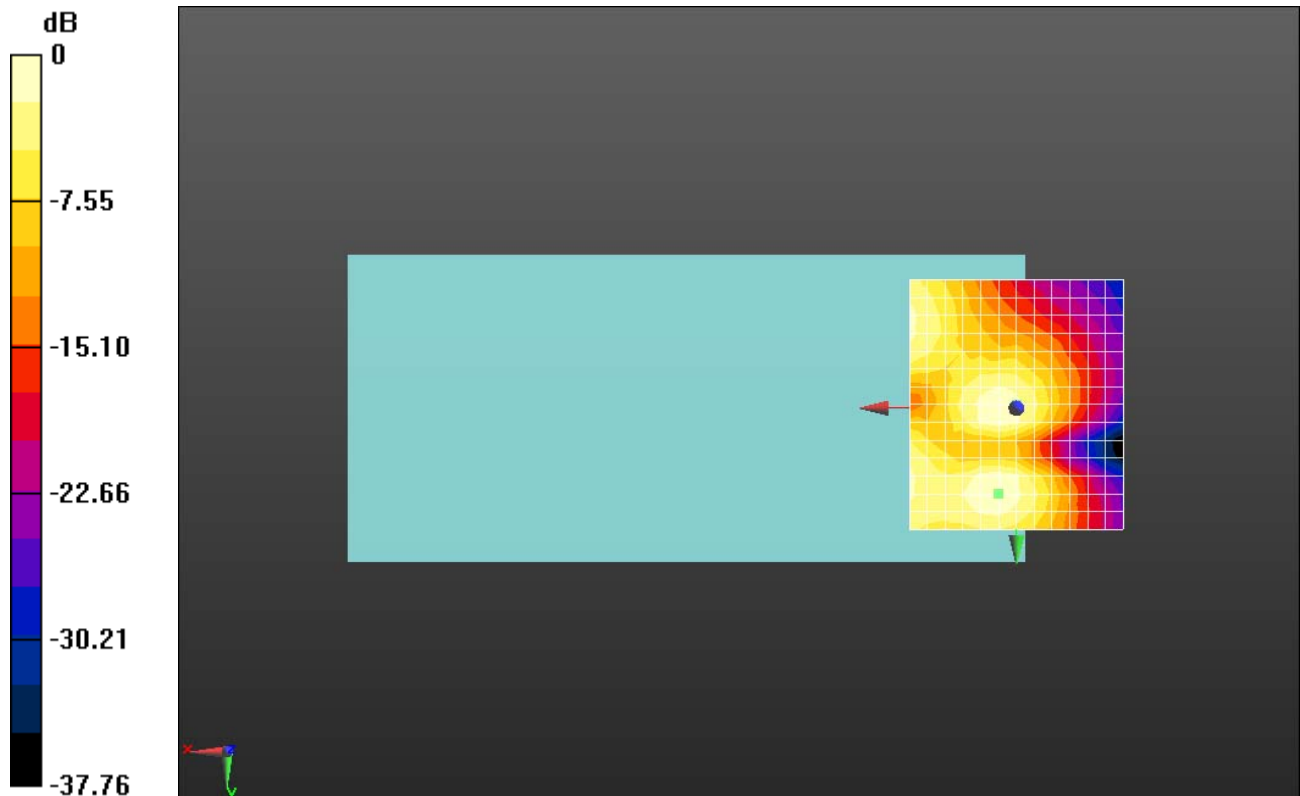
dx=10mm, dy=10mm

ABM1/ABM2 = 30.74 dB

ABM1 comp = -16.97 dBA/m

BWC Factor = 0.15 dB

Location: 0, -0.8, 3.7 mm



0 dB = 34.42 = 30.74 dB

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

Date: 2023.05.25

## HAC\_T-Coil\_WCDMA Band II\_AMR 12.2Kbps\_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 - 3128; ; Calibrated: 2022.07.19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2022.06.22
- 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:

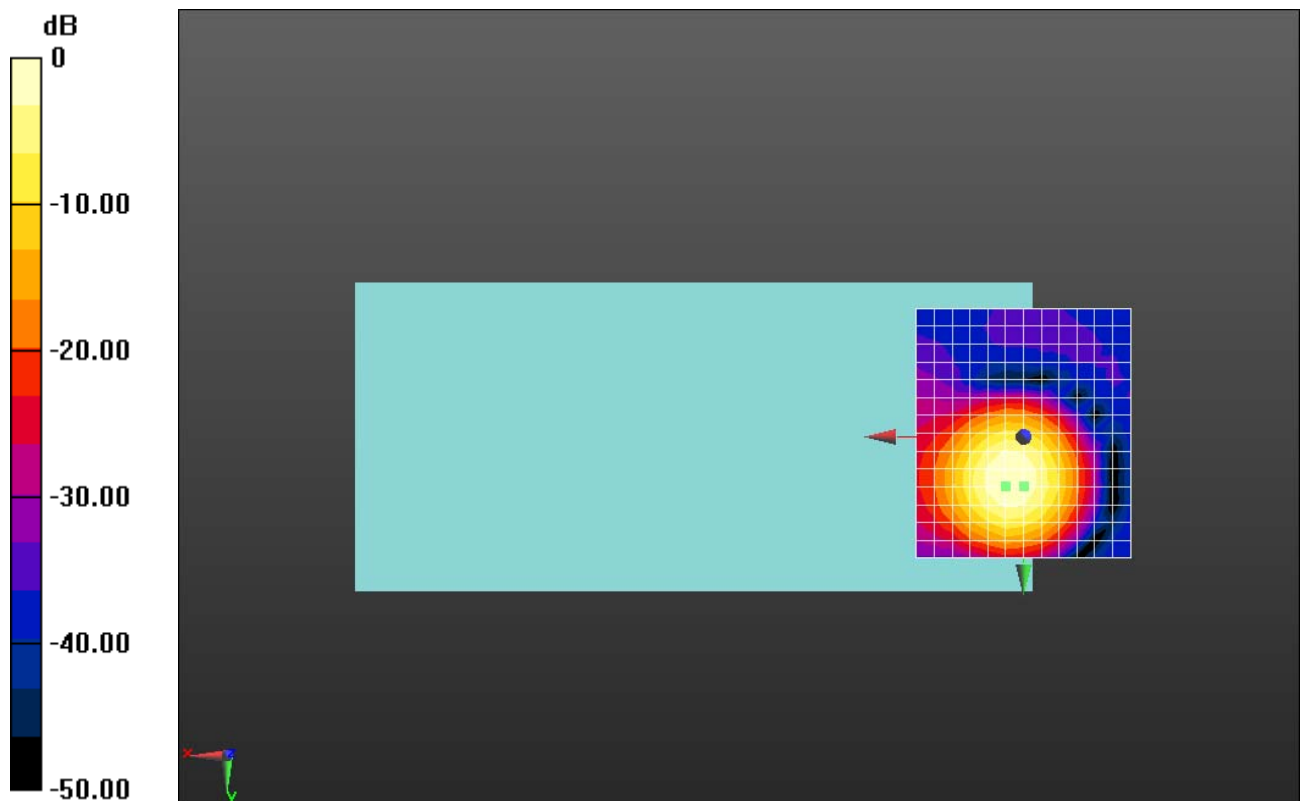
dx=10mm, dy=10mm

ABM1/ABM2 = 44.53 dB

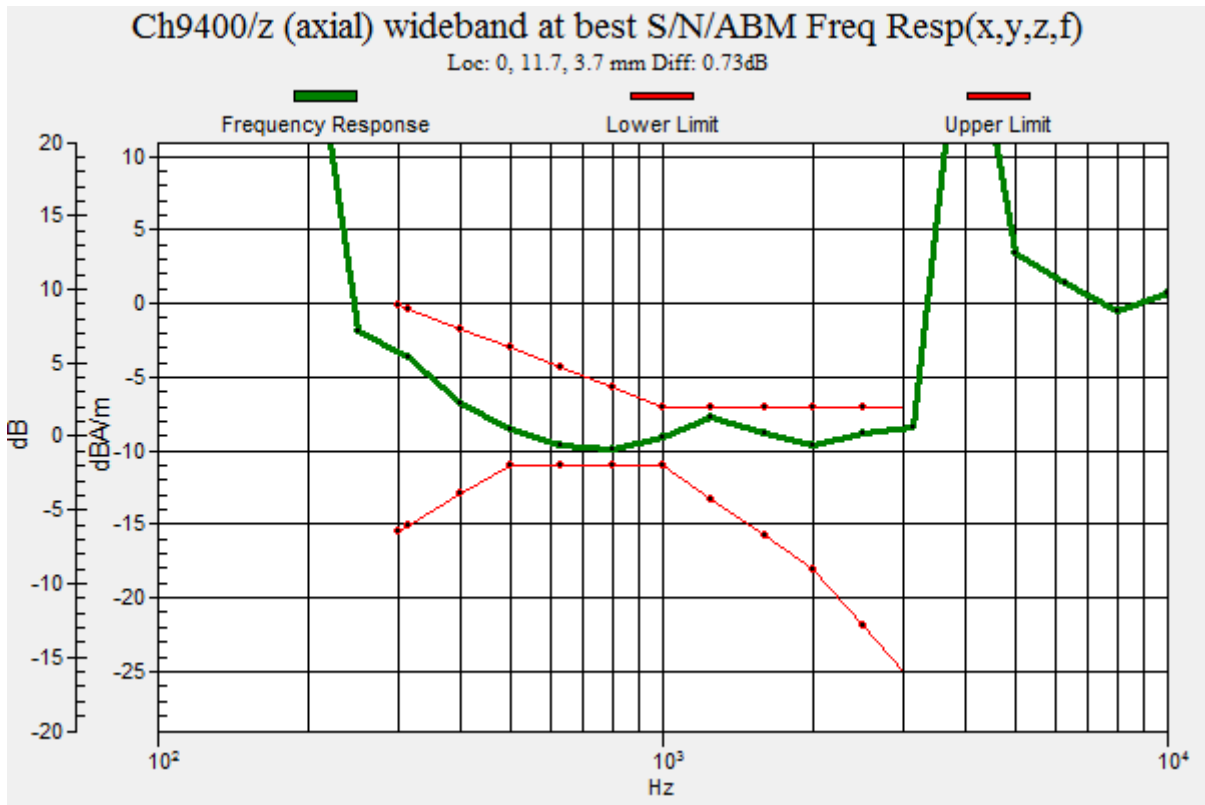
ABM1 comp = -9.63 dBA/m

BWC Factor = 0.15 dB

Location: 0, 11.7, 3.7 mm



0 dB = 168.5 = 44.53 dB



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

Date: 2023.05.25

## HAC\_T-Coil\_WCDMA Band II\_AMR 12.2Kbps\_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 - 3128; ; Calibrated: 2022.07.19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2022.06.22
- 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:

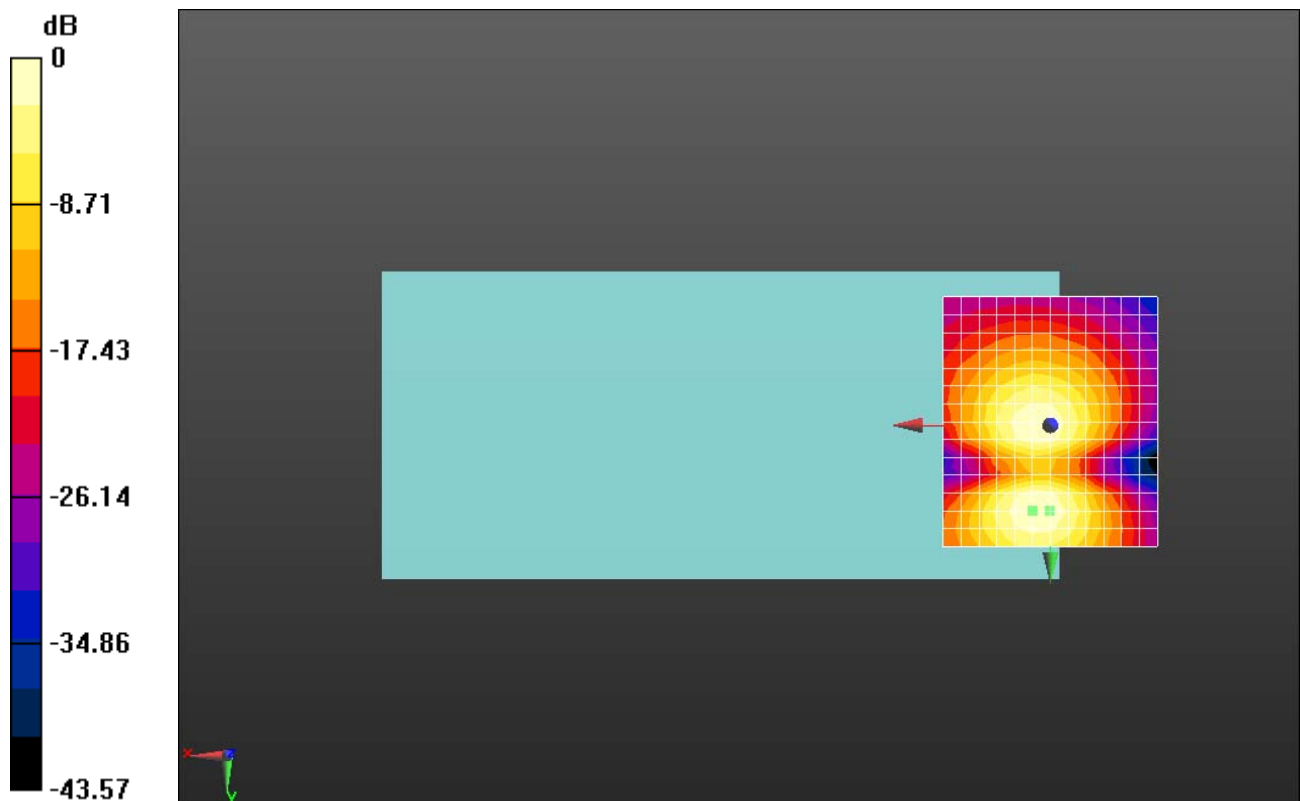
dx=10mm, dy=10mm

ABM1/ABM2 = 34.53 dB

ABM1 comp = -16.68 dBA/m

BWC Factor = 0.15 dB

Location: 0, 20, 3.7 mm



0 dB = 53.29 = 34.53 dB

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

Date: 2023.05.25

**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 - 3128; ; Calibrated: 2022.07.19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2022.06.22
- 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:

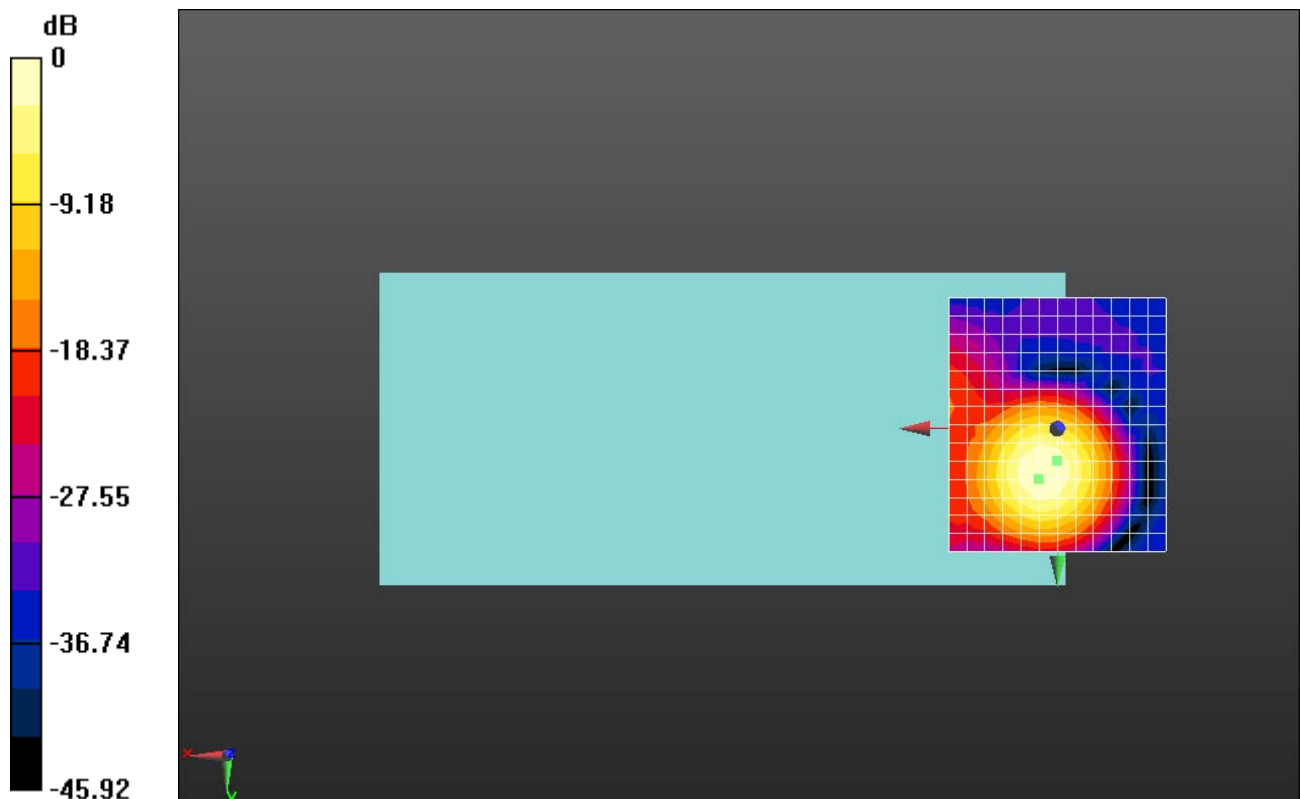
dx=10mm, dy=10mm

ABM1/ABM2 = 44.46 dB

ABM1 comp = -9.32 dBA/m

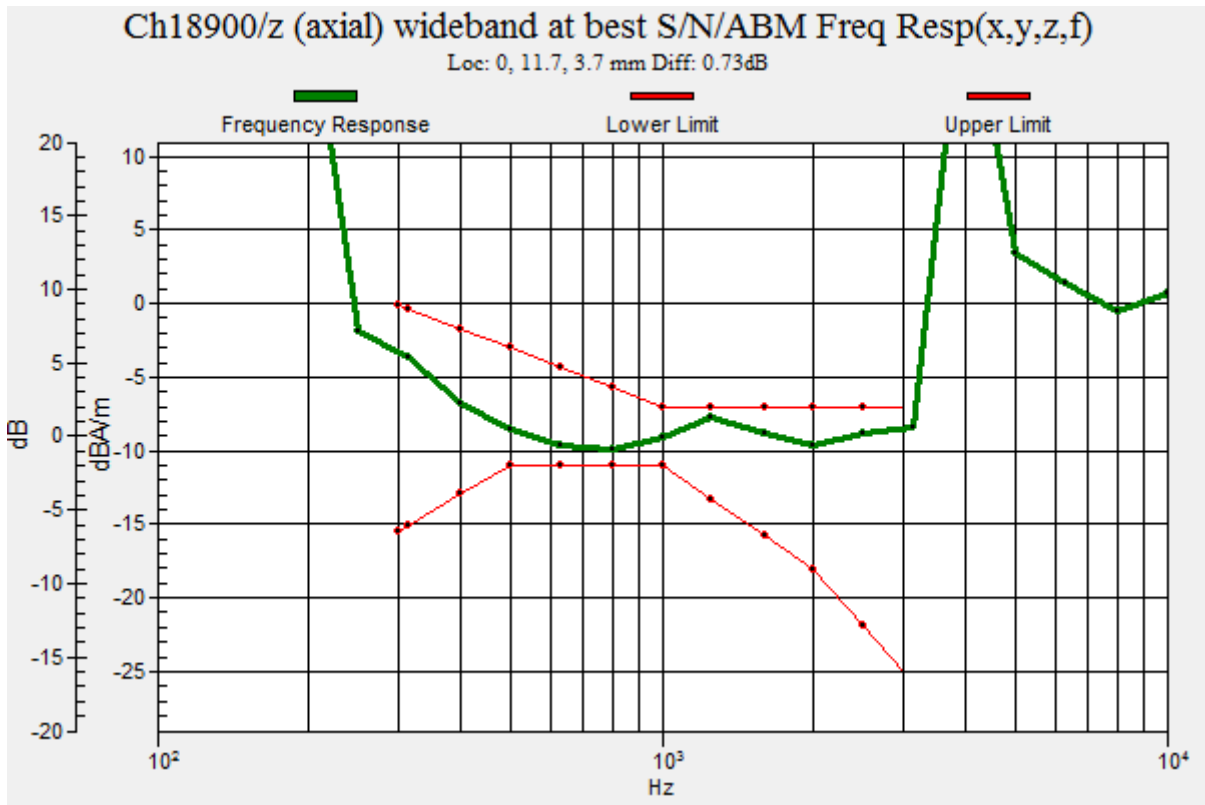
BWC Factor = 0.15 dB

Location: 0, 7.5, 3.7 mm



0 dB = 167.0 = 44.45 dB





## 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 - 3128; ; Calibrated: 2022.07.19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2022.06.22
- 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:

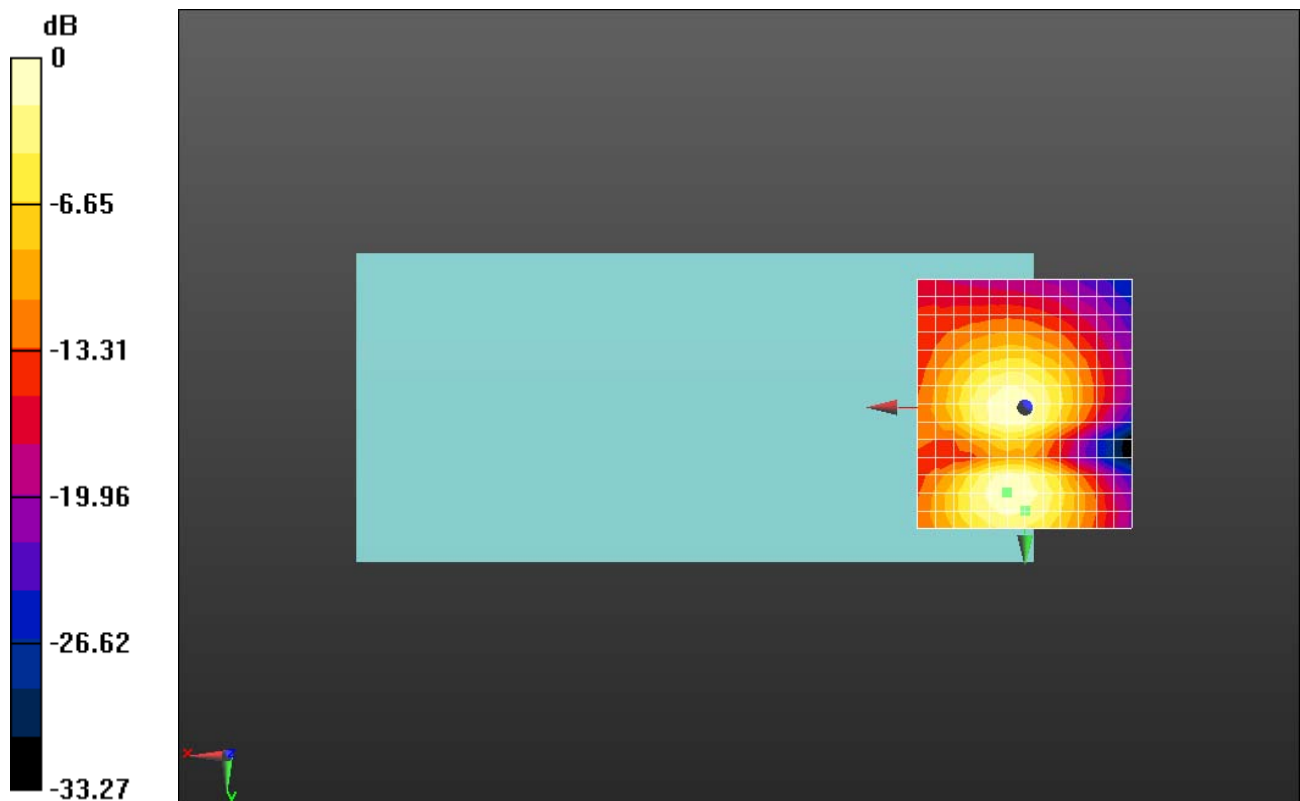
dx=10mm, dy=10mm

ABM1/ABM2 = 32.34 dB

ABM1 comp = -17.56 dBA/m

BWC Factor = 0.15 dB

Location: 0, 24.2, 3.7 mm



0 dB = 41.39 = 32.34 dB