

### 1\_HAC T-Coil GSM850\_Voice\_Ch189(Z)

Communication System: UID 0, GSM850 (0); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

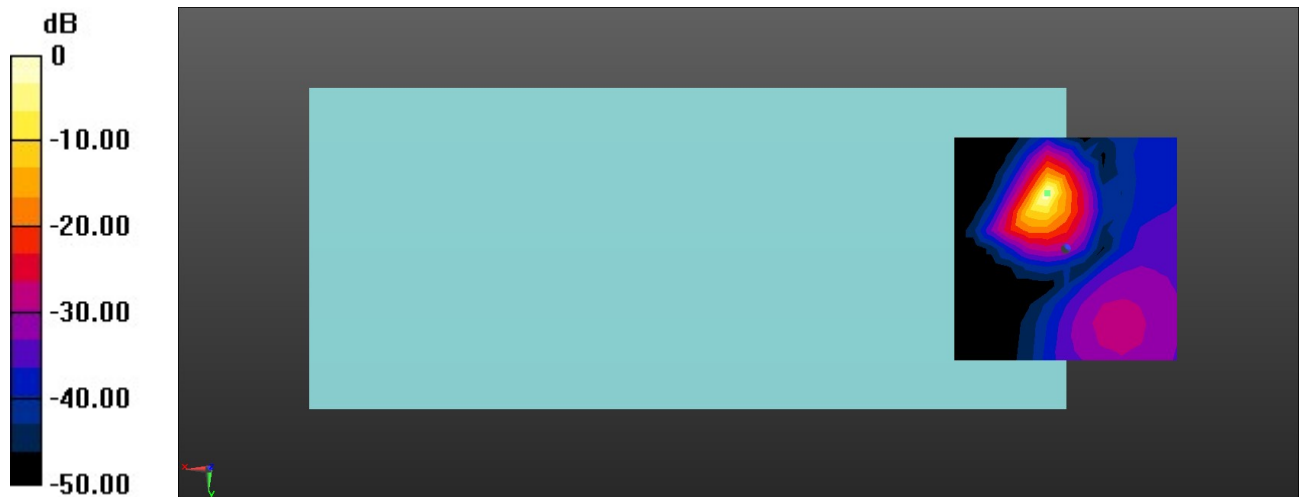
**Ch189/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 41.94 dB

ABM1 comp = 2.81 dBA/m

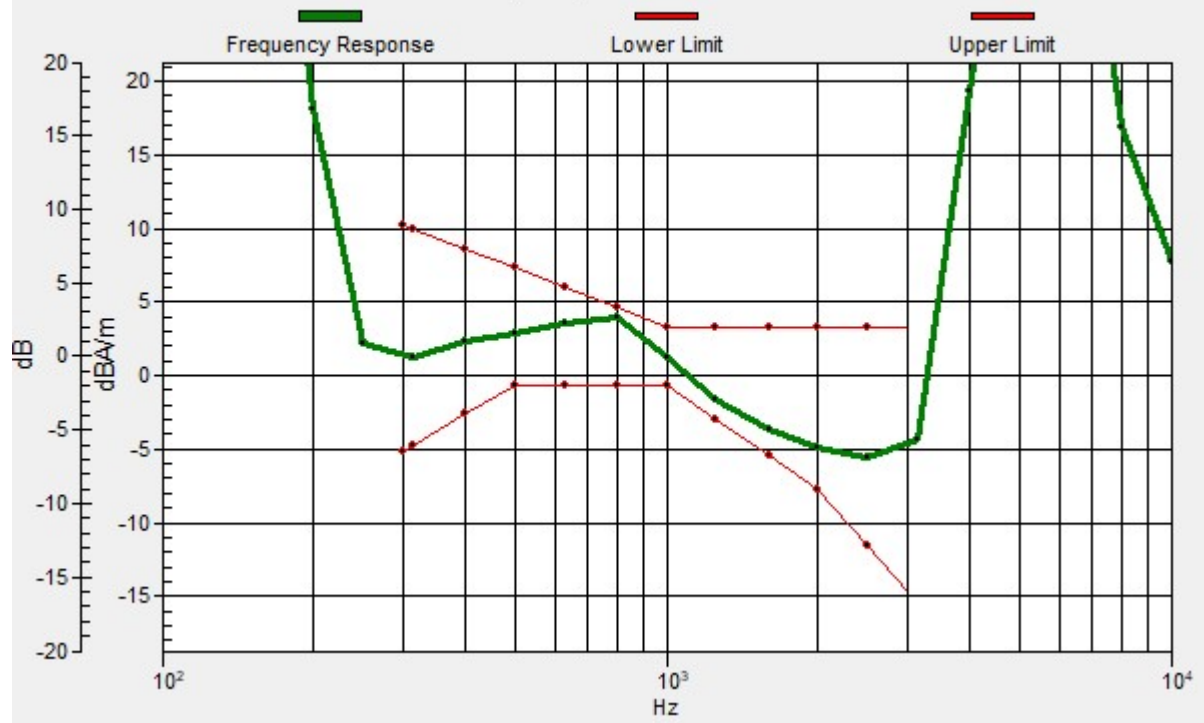
Location: 4.2, -12.5, 3.7 mm



0 dB = 125.0 = 41.94 dB

# Ch189/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -12.5, 3.7 mm Diff: 0.68dB



### 1\_HAC T-Coil GSM850\_Voice\_Ch189(Y)

Communication System: UID 0, GSM850 (0); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

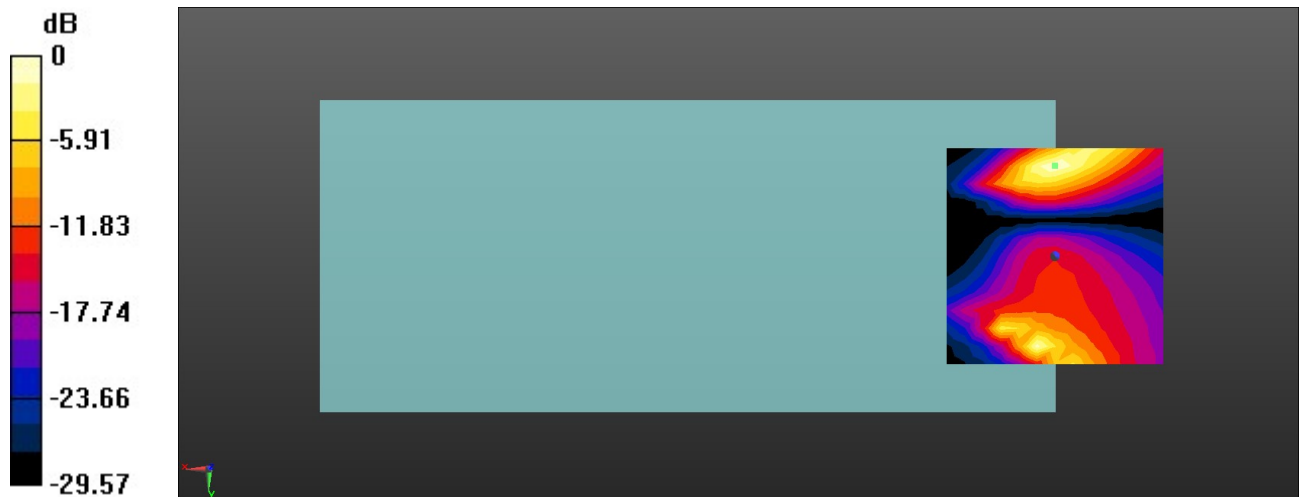
**Ch189/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 22.09 dB

ABM1 comp = -9.80 dBA/m

Location: 0, -20.8, 3.7 mm



0 dB = 12.71 = 22.09 dB

## 2\_HAC T-Coil GSM1900\_Voice\_Ch661(Z)

Communication System: UID 0, PCS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

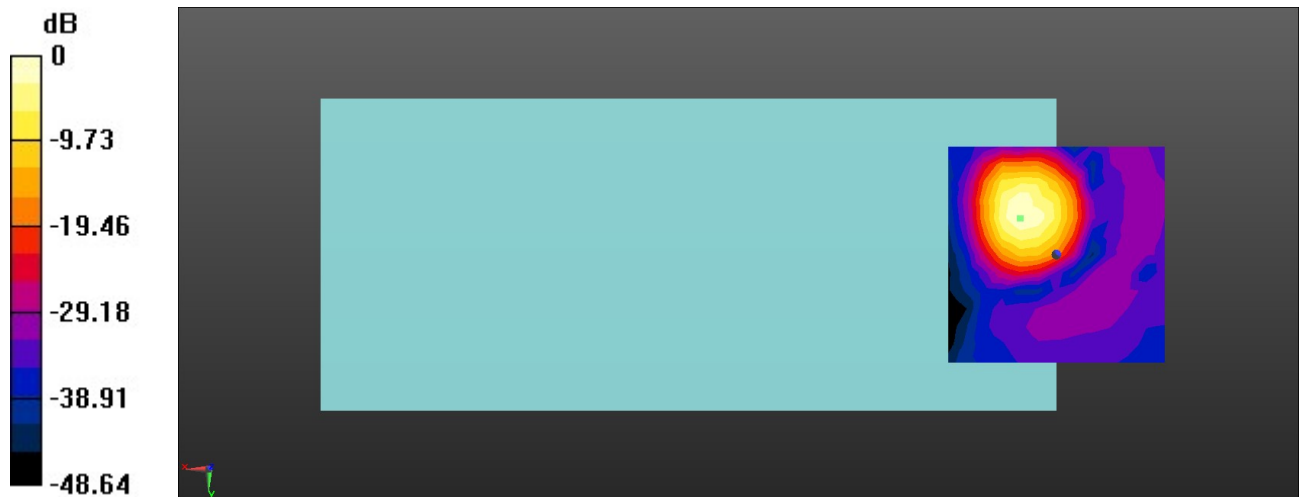
**Ch661/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 42.03 dB

ABM1 comp = 5.84 dBA/m

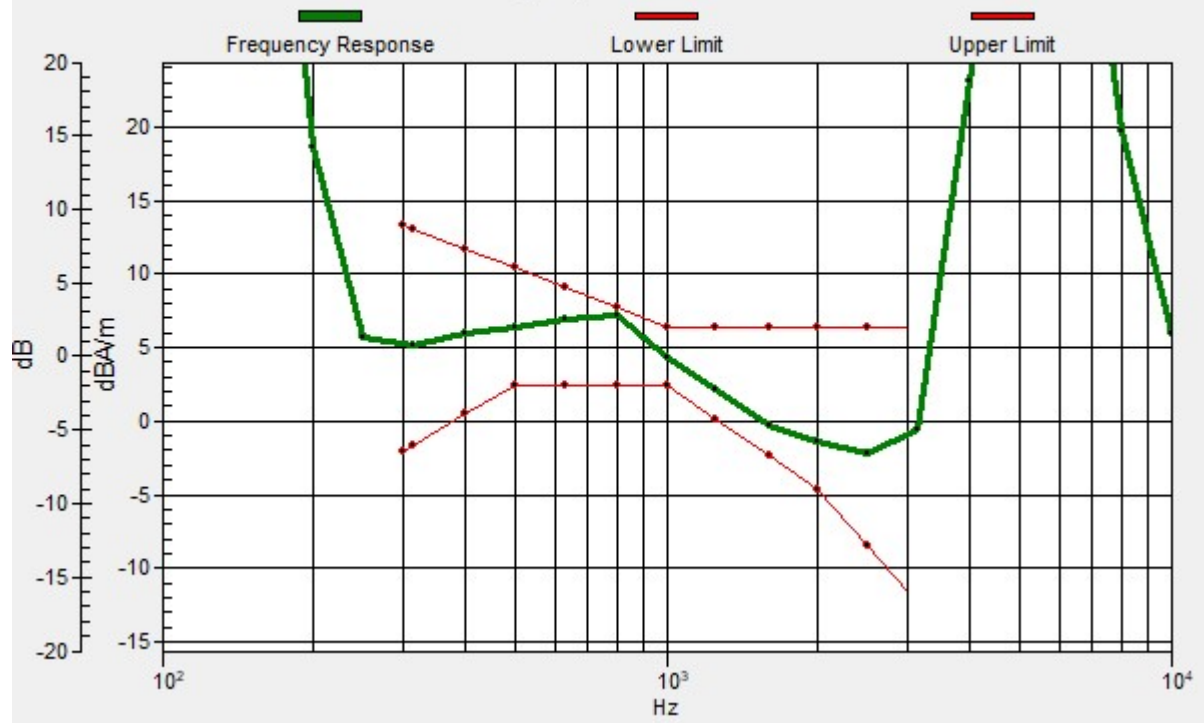
Location: 8.3, -8.3, 3.7 mm



0 dB = 126.3 = 42.03 dB

# Ch661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -8.3, 3.7 mm Diff: 0.45dB



## 2\_HAC T-Coil GSM1900\_Voice\_Ch661(Y)

Communication System: UID 0, PCS (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

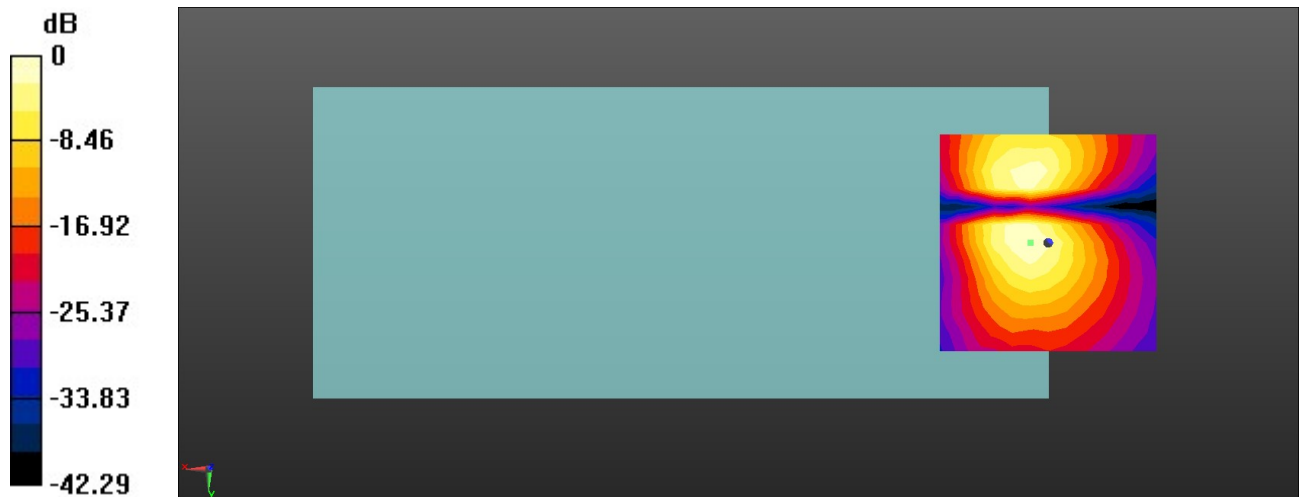
**Ch661/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 34.93 dB

ABM1 comp = -5.33 dBA/m

Location: 4.2, 0, 3.7 mm



0 dB = 55.79 = 34.93 dB

### 3\_HAC T-Coil WCDMA II\_Voice\_Ch9400(Z)

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

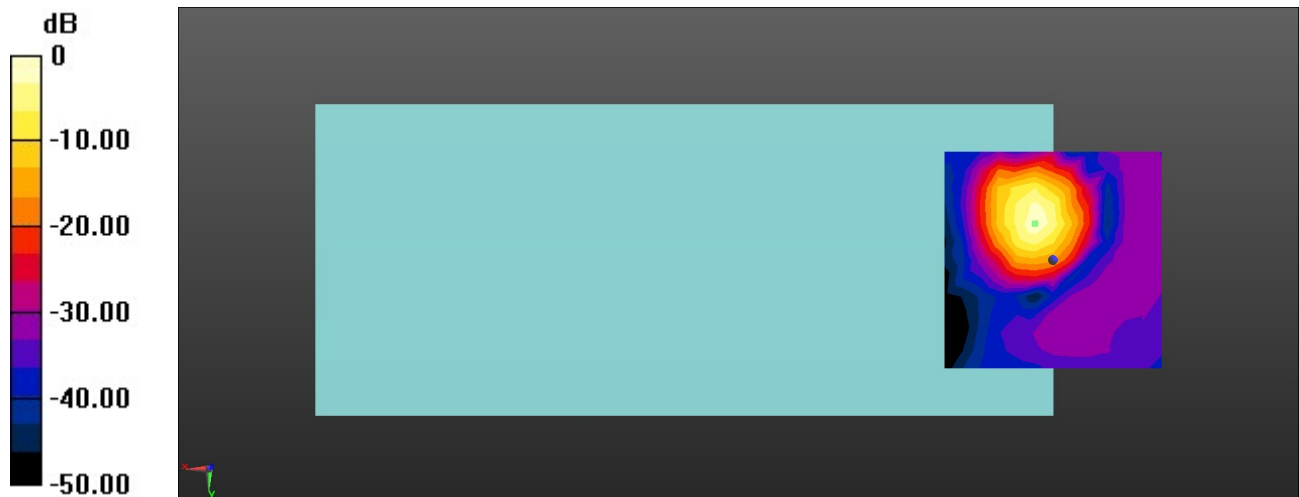
**Ch9400/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.14 dB

ABM1 comp = 0.32 dBA/m

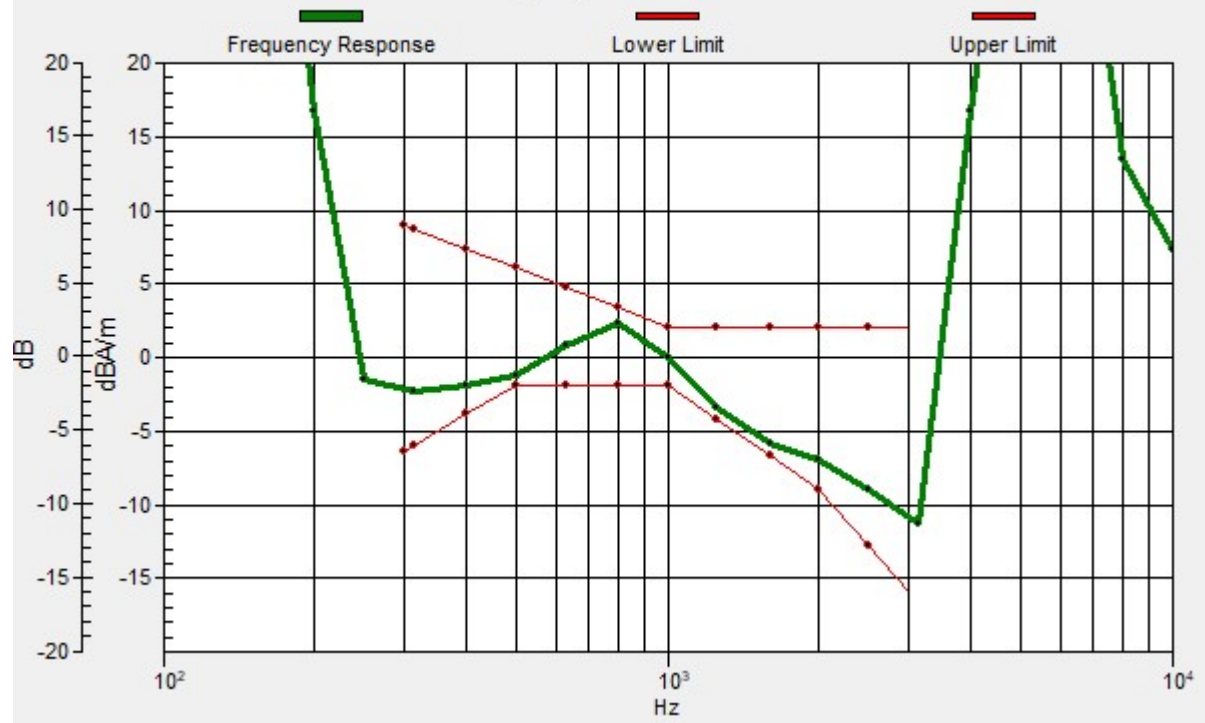
Location: 4.2, -8.3, 3.7 mm



0 dB = 161.1 = 44.14 dB

# Ch9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.3, 3.7 mm Diff: 0.76dB





### 3\_HAC T-Coil WCDMA II\_Voice\_Ch9400(Y)

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

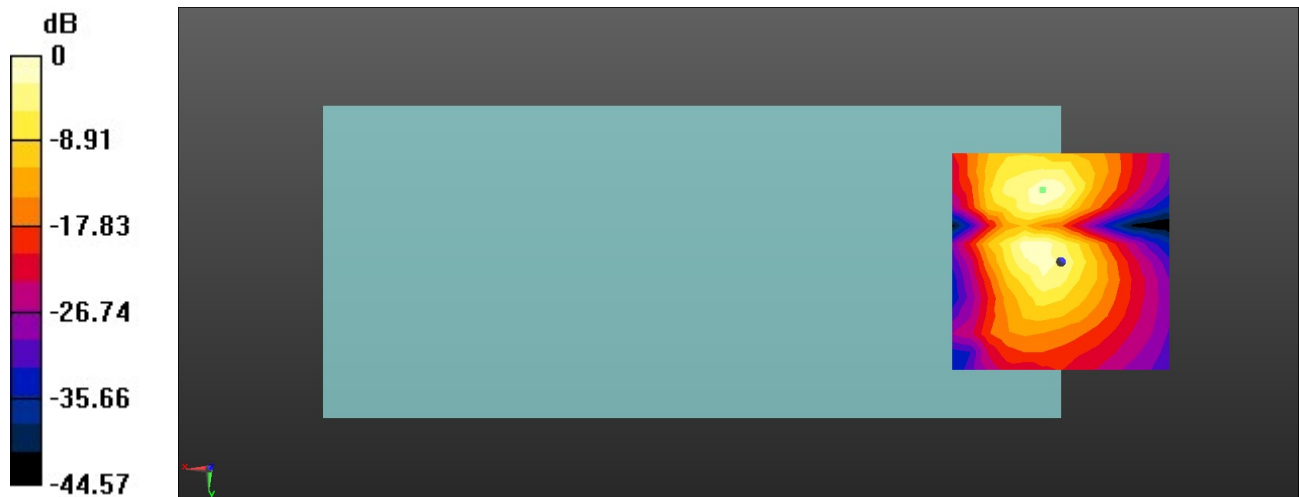
**Ch9400/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 36.53 dB

ABM1 comp = -6.59 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 67.03 = 36.53 dB

#### 4\_HAC T-Coil WCDMA IV\_Voice\_Ch1413(Z)

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

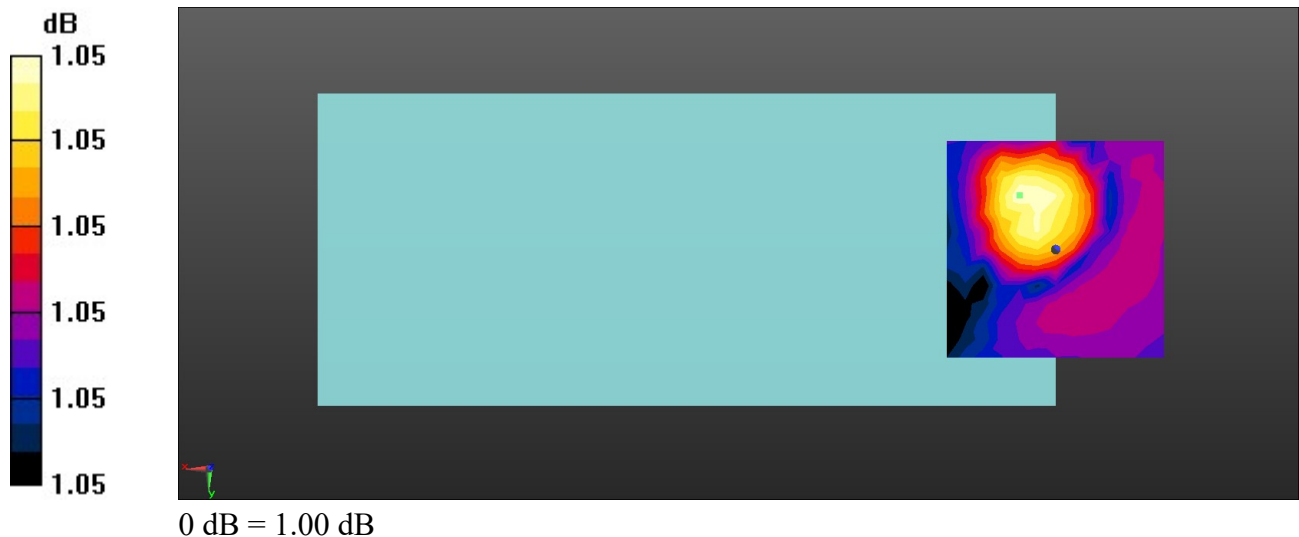
**Ch1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 42.49 dB

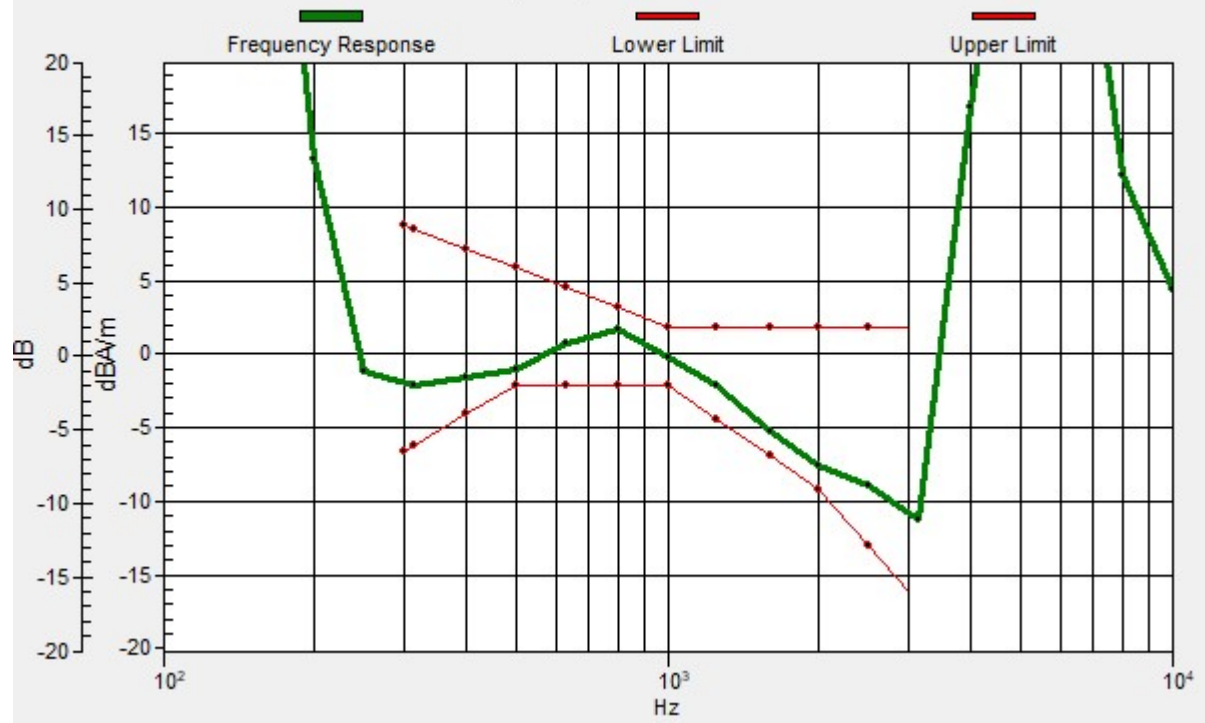
ABM1 comp = 0.89 dBA/m

Location: 8.3, -12.5, 3.7 mm



# Ch1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -12.5, 3.7 mm Diff: 1.05dB



#### 4\_HAC T-Coil WCDMA IV\_Voice\_Ch1413(Y)

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

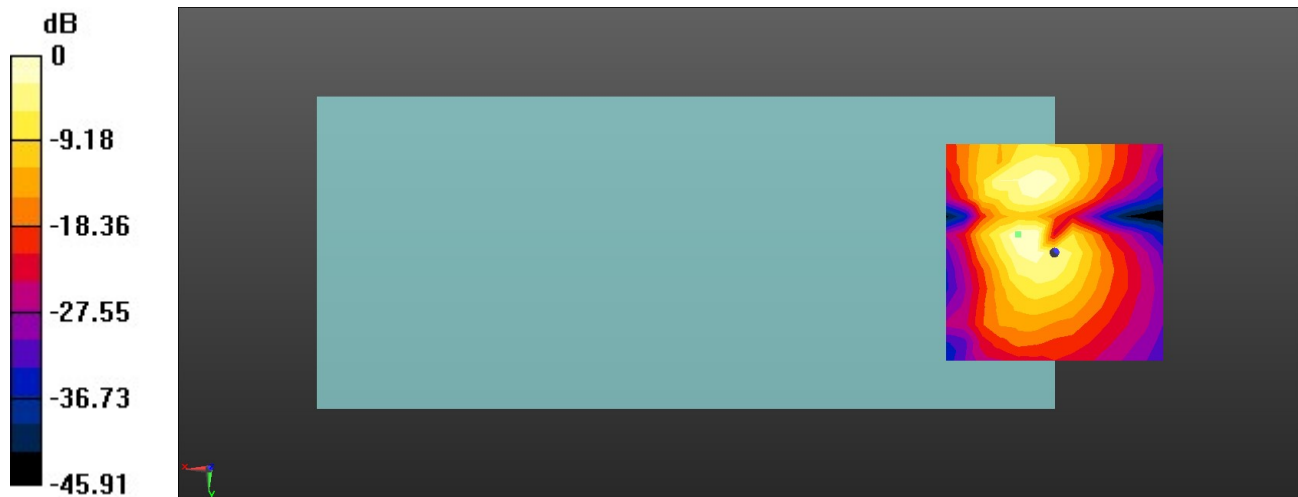
**Ch1413/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 36.96 dB

ABM1 comp = -5.76 dBA/m

Location: 8.3, -4.2, 3.7 mm



0 dB = 70.51 = 36.96 dB

### 5\_HAC T-Coil WCDMA V\_Voice\_Ch4182(Z)

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

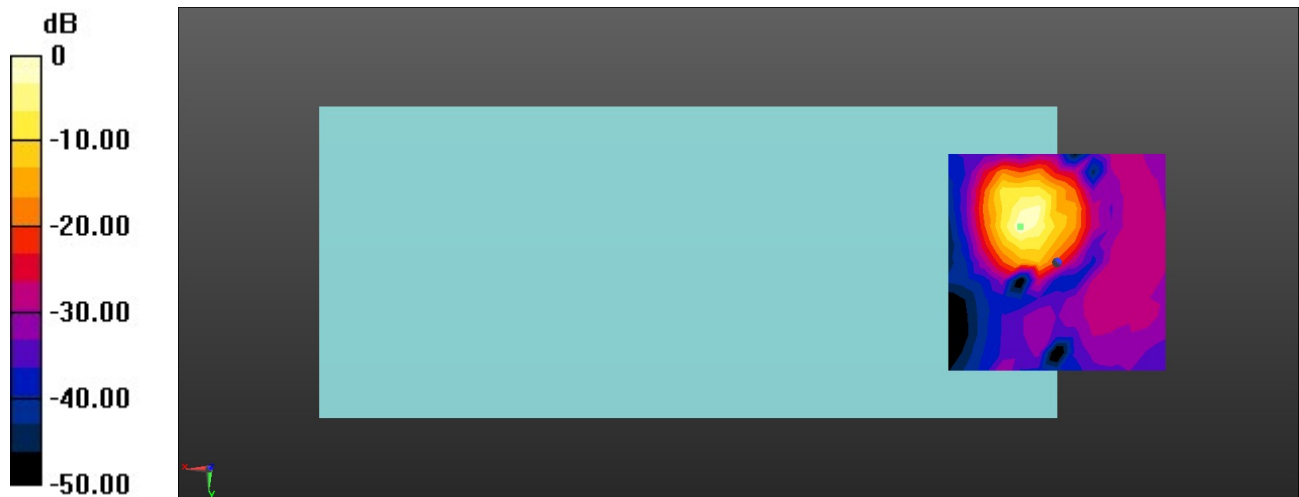
**Ch4182/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.23 dB

ABM1 comp = 2.59 dBA/m

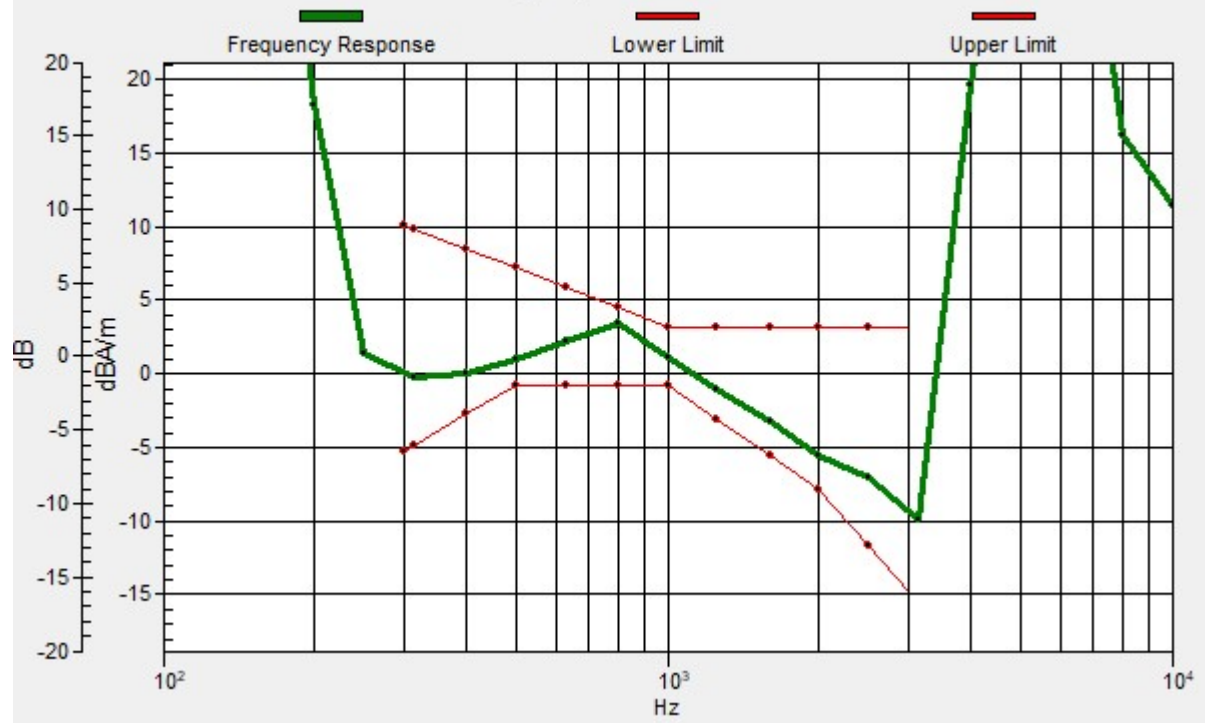
Location: 8.3, -8.3, 3.7 mm



0 dB = 162.7 = 44.23 dB

# Ch4182/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -8.3, 3.7 mm Diff: 1.09dB



### 5\_HAC T-Coil WCDMA V\_Voice\_Ch4182(Y)

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

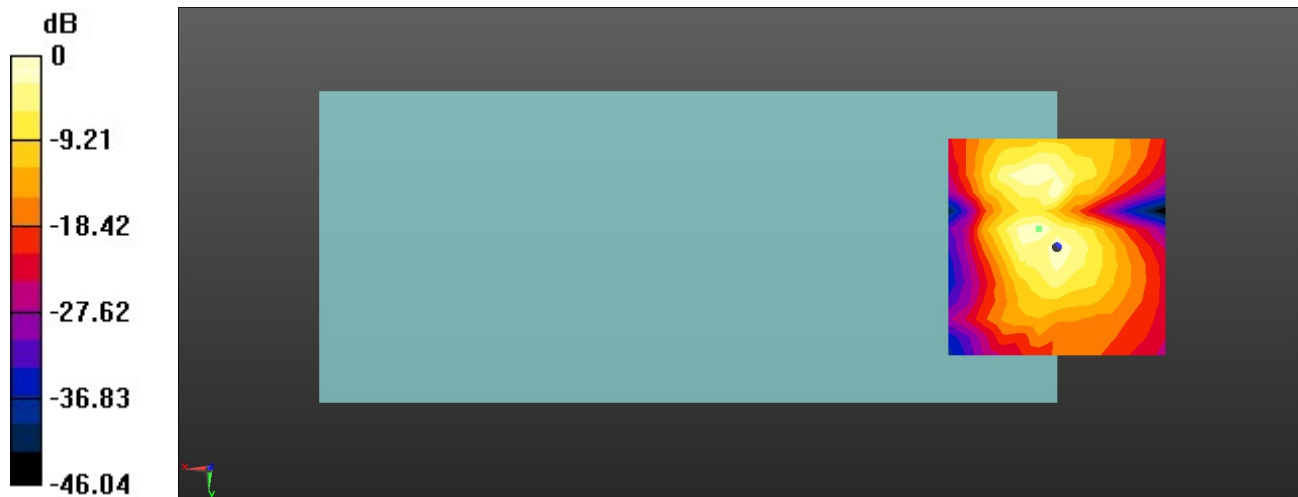
**Ch4182/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 37.52 dB

ABM1 comp = -8.66 dBA/m

Location: 4.2, -4.2, 3.7 mm



0 dB = 75.15 = 37.52 dB

### 6\_HAC T-Coil\_LTE Band 12\_10M\_16QAM\_1RB\_0Offset\_Ch23095(Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

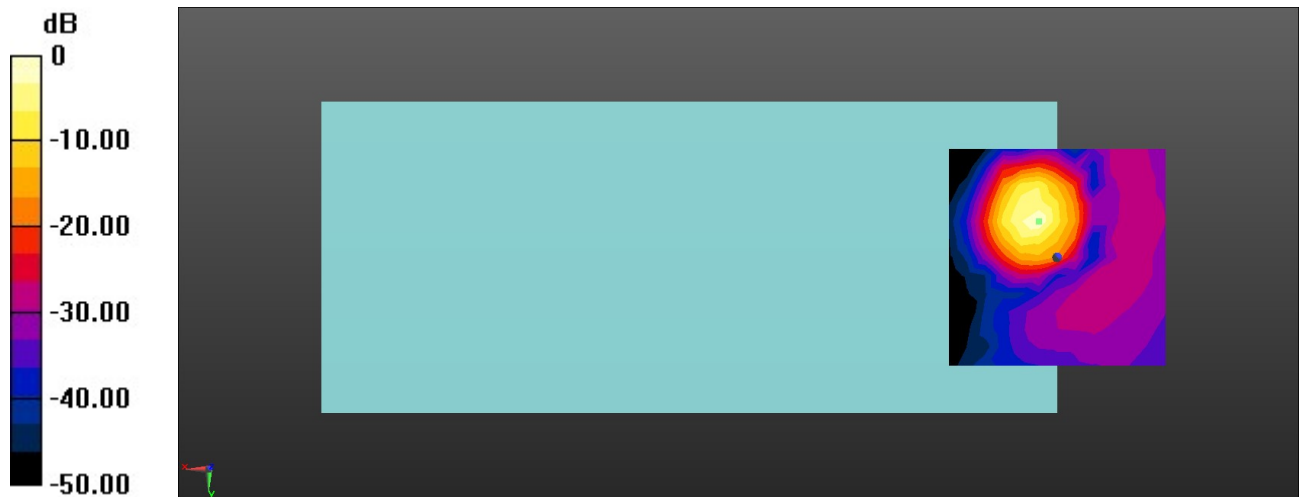
**Ch23095/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 47.12 dB

ABM1 comp = 3.12 dBA/m

Location: 4.2, -8.3, 3.7 mm

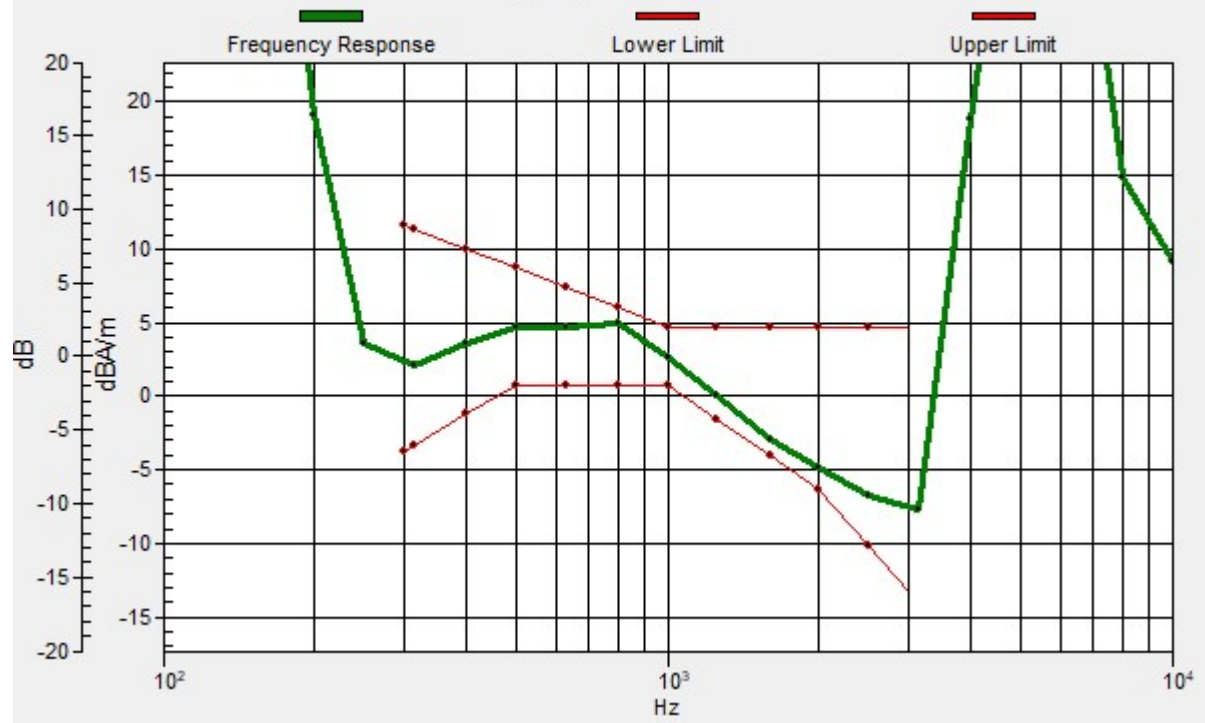


0 dB = 227.0 = 47.12 dB



# Ch23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.3, 3.7 mm Diff: 1.02dB



### 6\_HAC T-Coil\_LTE Band 12\_10M\_16QAM\_1RB\_0Offset\_Ch23095(Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

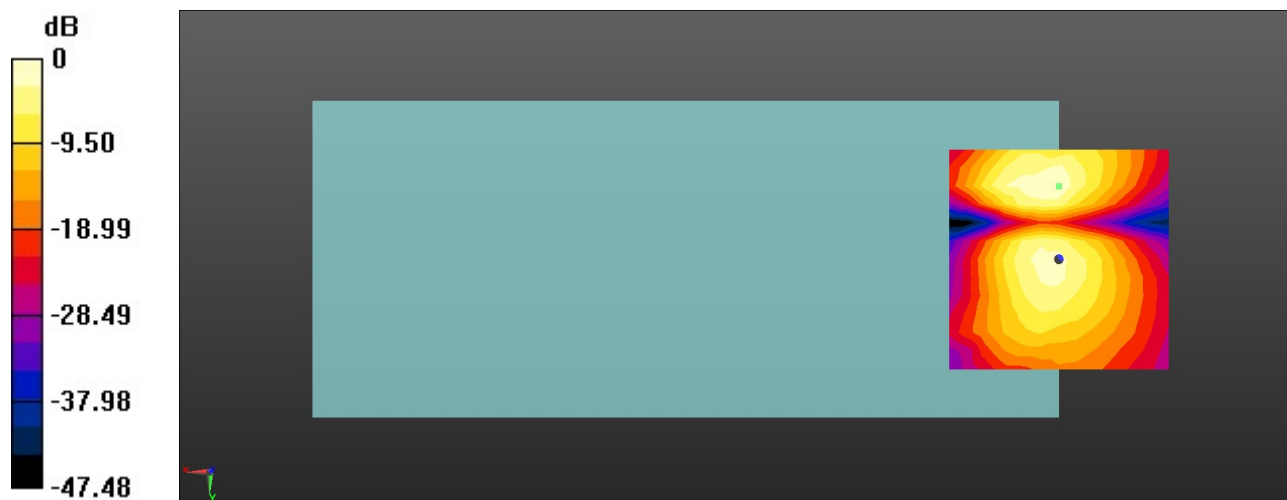
**Ch23095/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 35.12 dB

ABM1 comp = -9.41 dBA/m

Location: 0, -16.7, 3.7 mm



0 dB = 57.03 = 35.12 dB

### 7\_HAC T-Coil\_LTE Band 13\_10M\_16QAM\_1RB\_0Offset\_Ch23230(Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

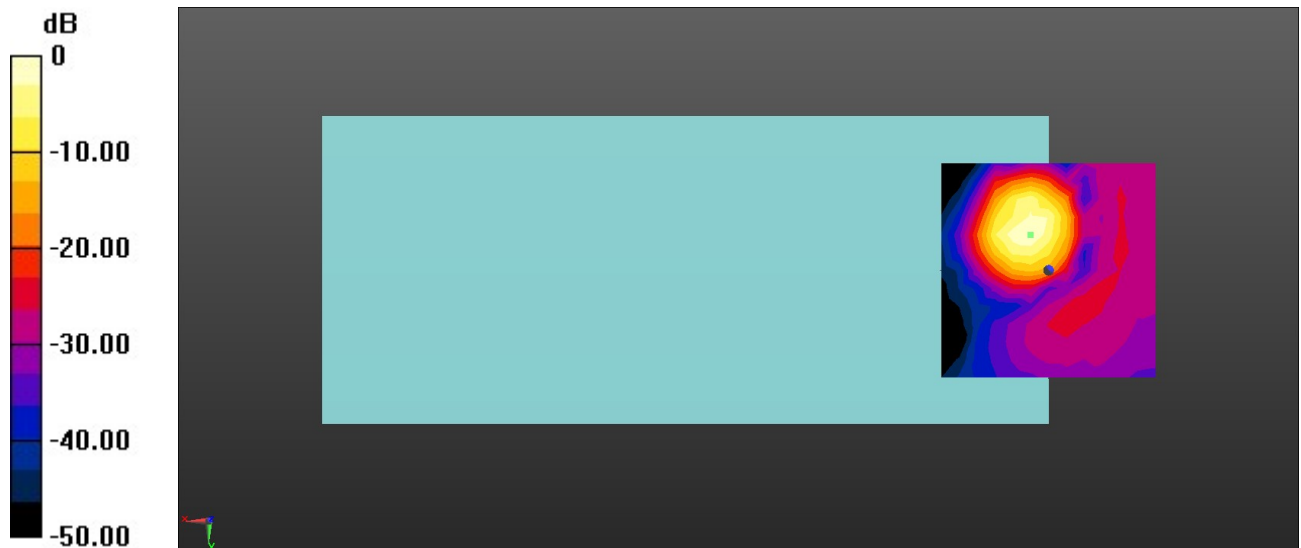
**Ch23230/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 43.78 dB

ABM1 comp = 3.08 dBA/m

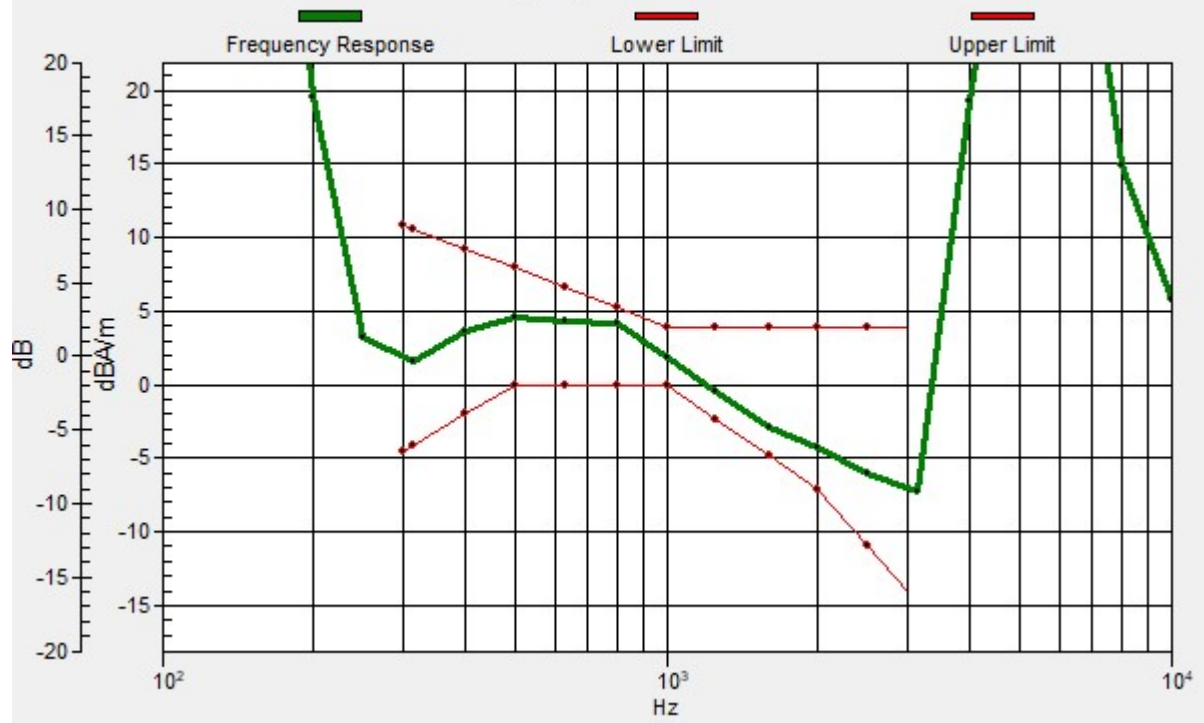
Location: 4.2, -8.3, 3.7 mm



0 dB = 154.4 = 43.78 dB

# Ch23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.3, 3.7 mm Diff: 1.08dB



### 7\_HAC T-Coil\_LTE Band 13\_10M\_16QAM\_1RB\_0Offset\_Ch23230(Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 782 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

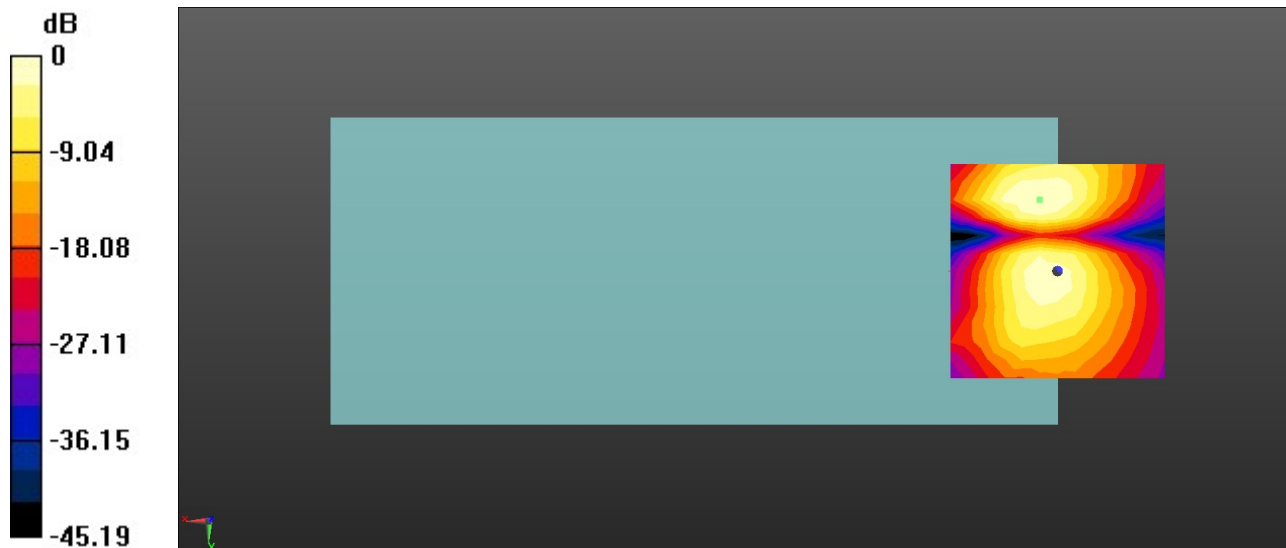
**Ch23230/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 32.50 dB

ABM1 comp = -5.99 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 42.18 = 32.50 dB

### 8\_HAC T-Coil\_LTE Band 26\_15M\_16QAM\_1RB\_0Offset\_Ch26865(Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

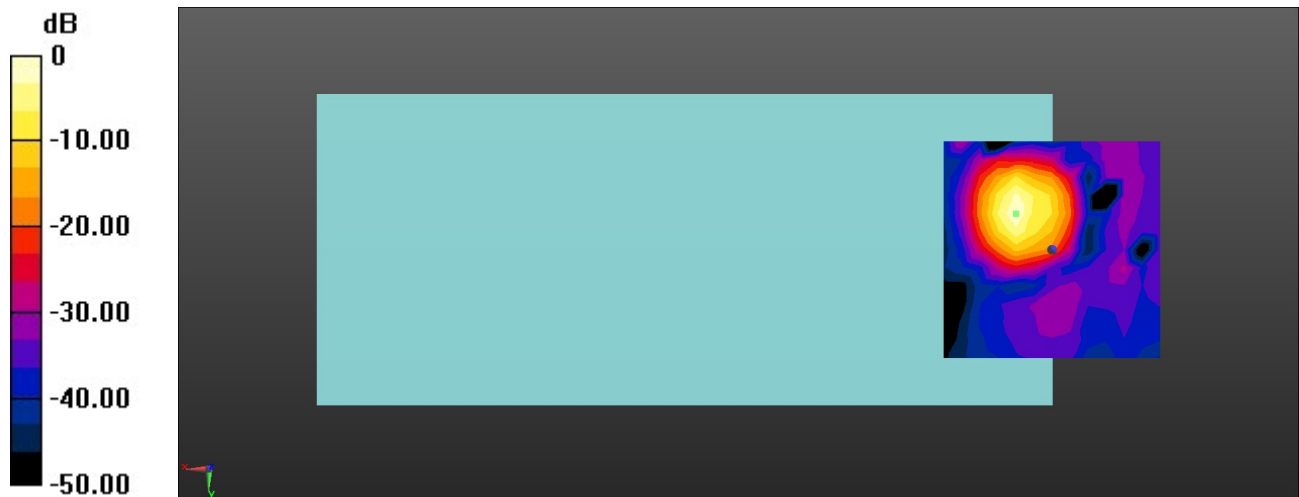
**Ch26865/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 45.85 dB

ABM1 comp = 6.44 dBA/m

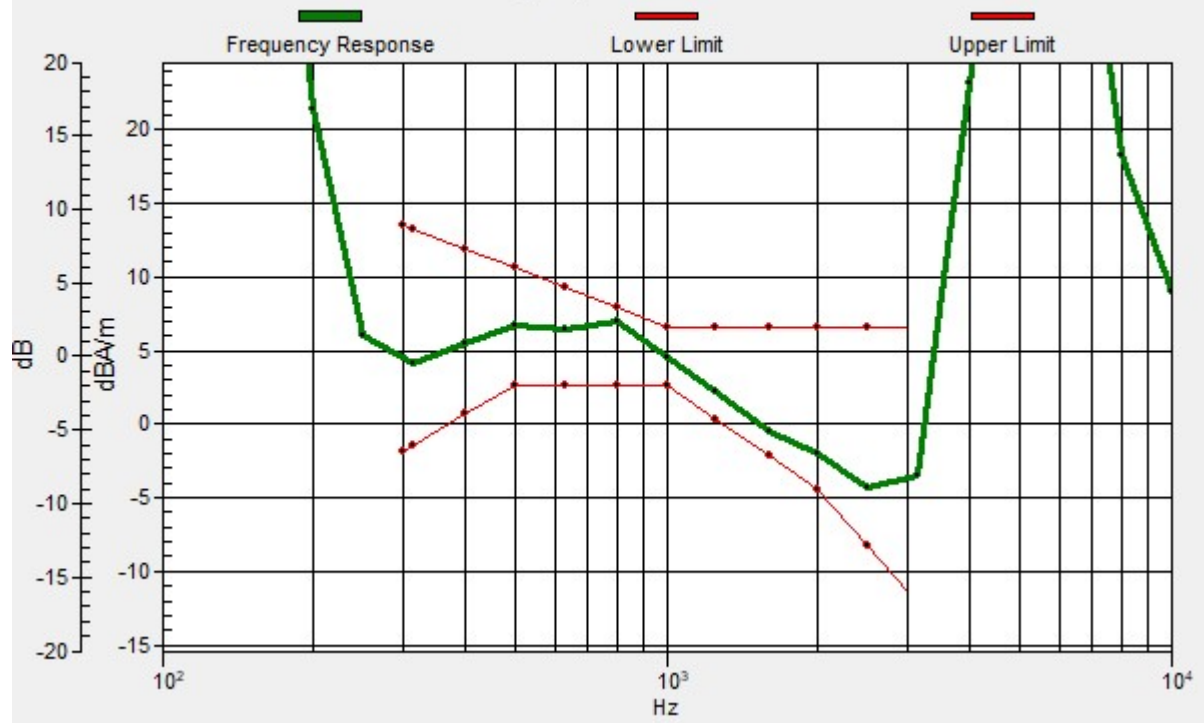
Location: 8.3, -8.3, 3.7 mm



0 dB = 196.2 = 45.85 dB

# Ch26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -8.3, 3.7 mm Diff: 0.96dB



### 8\_HAC T-Coil\_LTE Band 26\_15M\_16QAM\_1RB\_0Offset\_Ch26865(Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

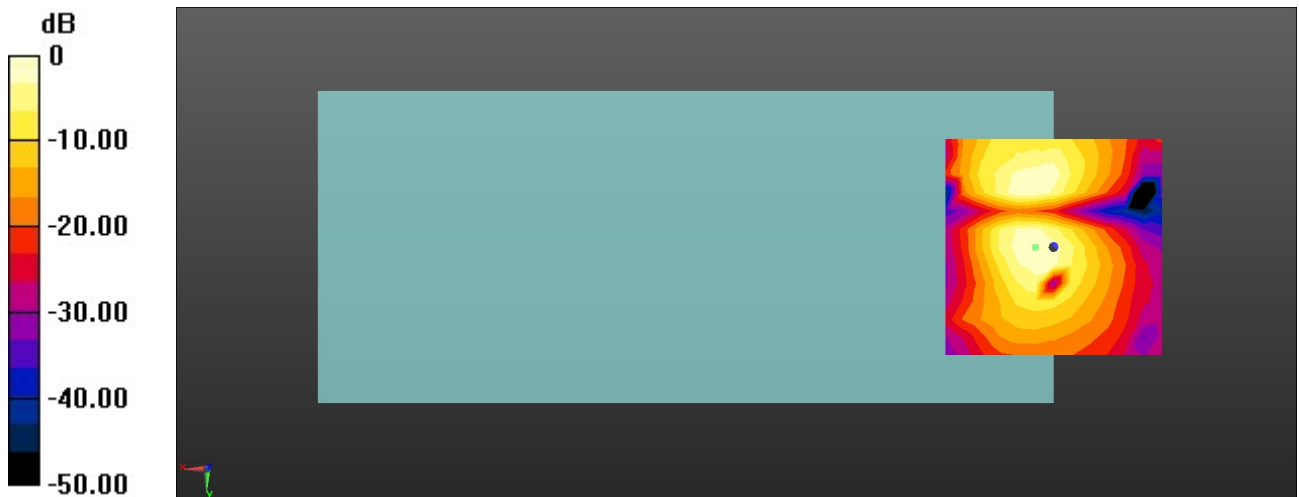
**Ch26865/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 36.48 dB

ABM1 comp = -5.72 dBA/m

Location: 4.2, 0, 3.7 mm



0 dB = 66.65 = 36.48 dB



### 9\_HAC T-Coil\_LTE Band 66\_20M\_16QAM\_1RB\_0Offset\_Ch132322(Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

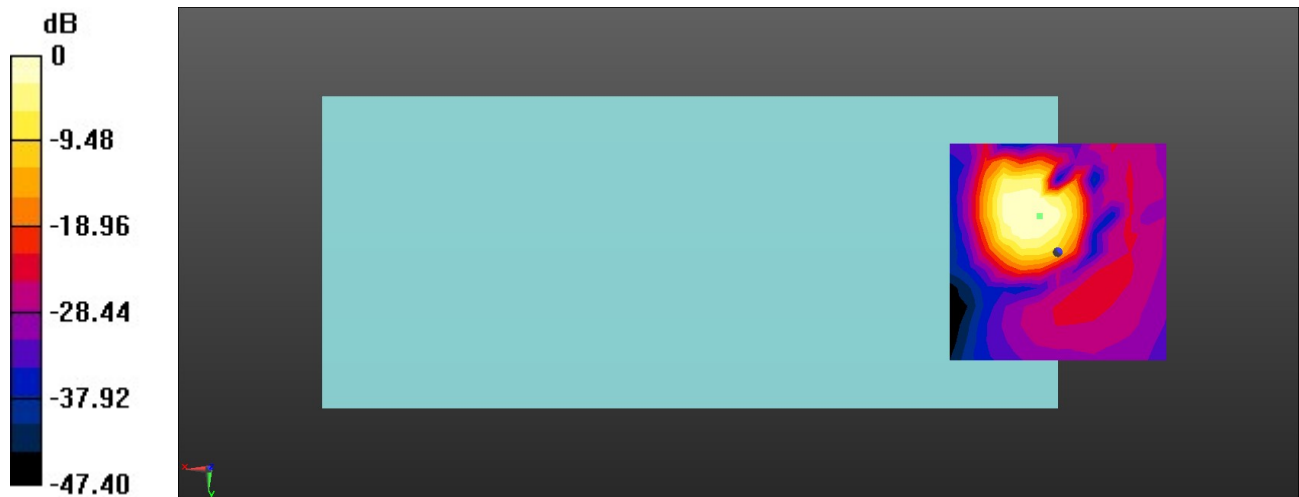
**Ch132322/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 41.60 dB

ABM1 comp = 3.10 dBA/m

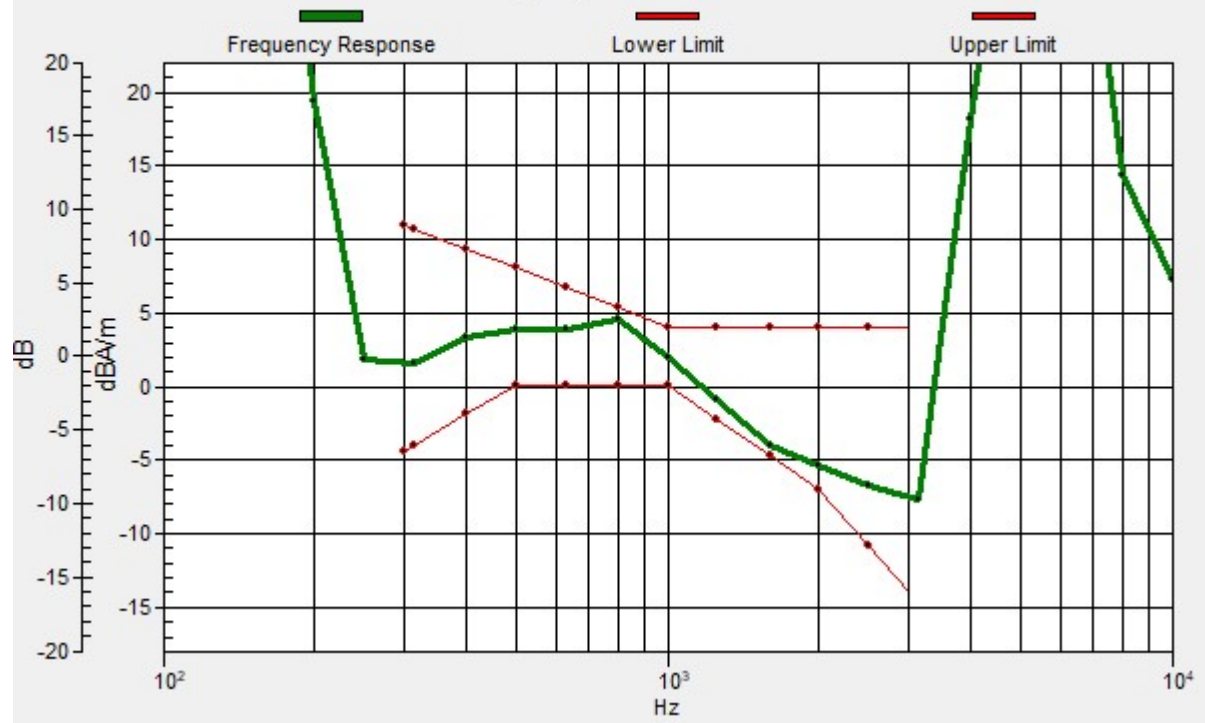
Location: 4.2, -8.3, 3.7 mm



0 dB = 120.3 = 41.60 dB

# Ch132322/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.3, 3.7 mm Diff: 0.71dB



### 9\_HAC T-Coil\_LTE Band 66\_20M\_16QAM\_1RB\_0Offset\_Ch132322(Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

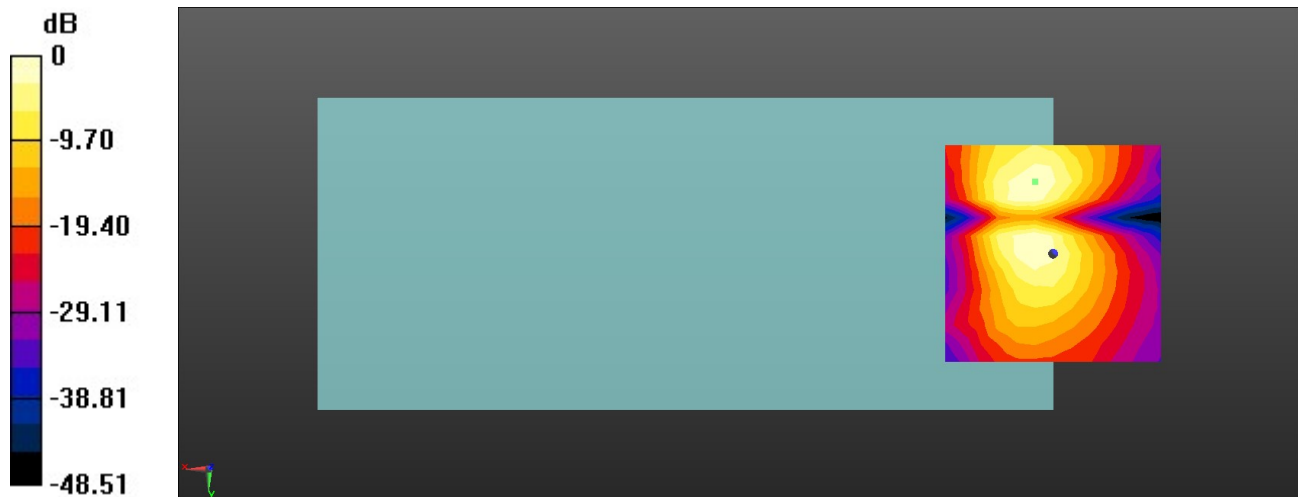
**Ch132322/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.49 dB

ABM1 comp = -5.28 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 74.87 = 37.49 dB

**10\_HAC T-Coil\_LTE Band 25\_20M\_16QAM\_1RB\_0Offset\_Ch26340(Z)**

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

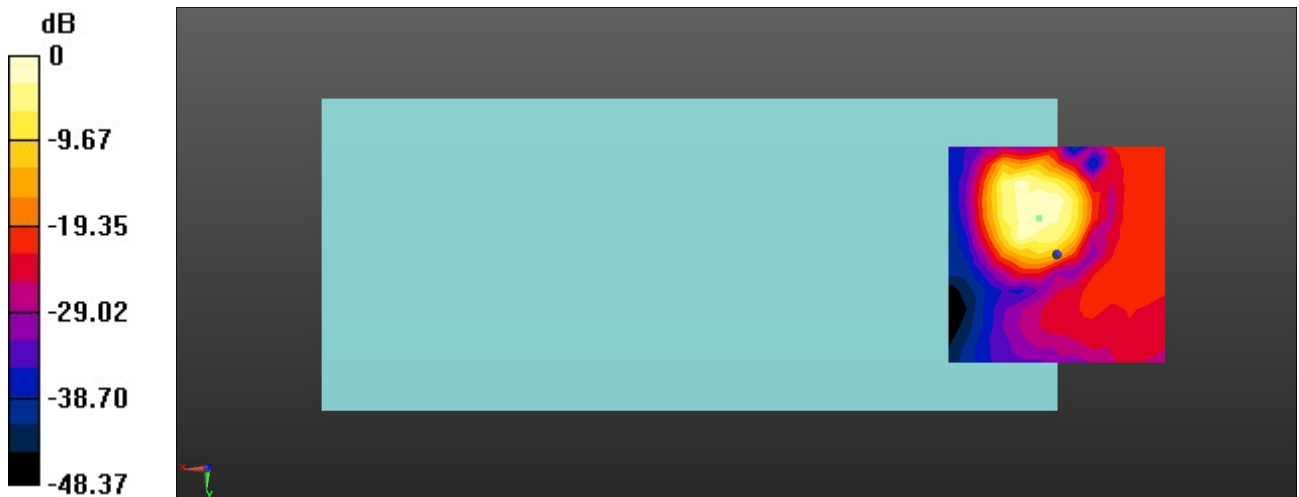
**Ch26340/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 40.33 dB

ABM1 comp = -0.12 dBA/m

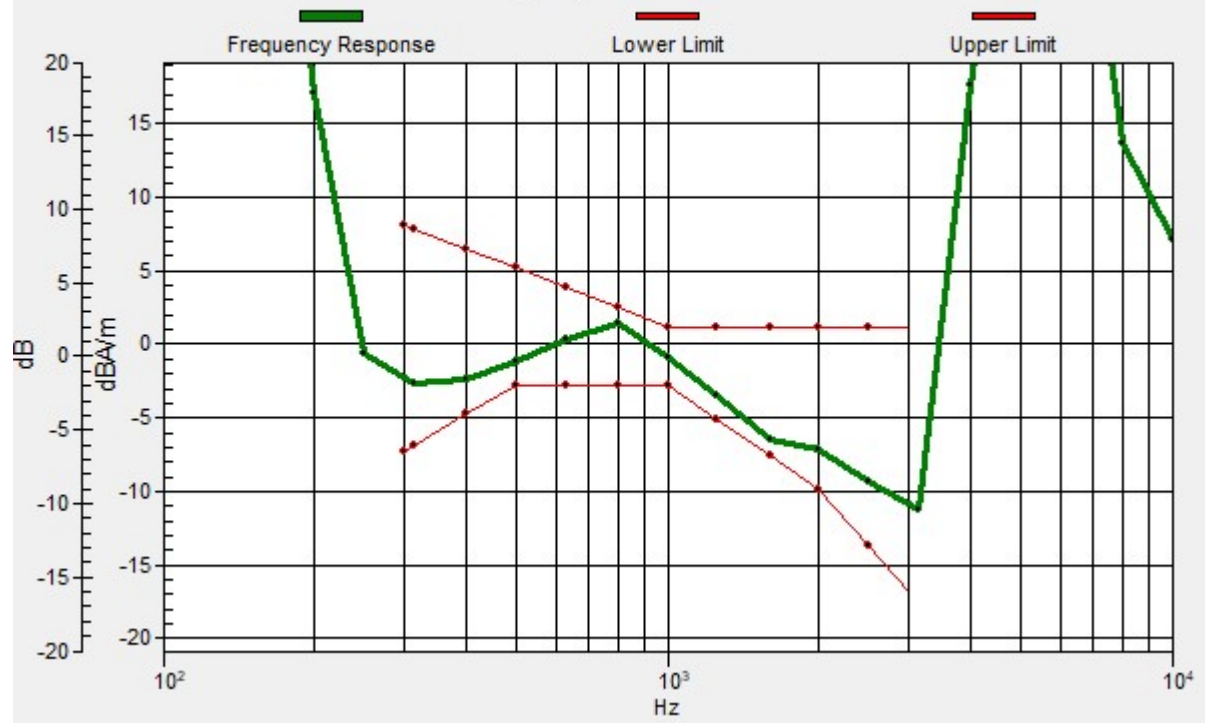
Location: 4.2, -8.3, 3.7 mm



0 dB = 103.8 = 40.33 dB

# Ch26340/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.3, 3.7 mm Diff: 0.97dB



### 10\_HAC T-Coil\_LTE Band 25\_20M\_16QAM\_1RB\_0Offset\_Ch26340(Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

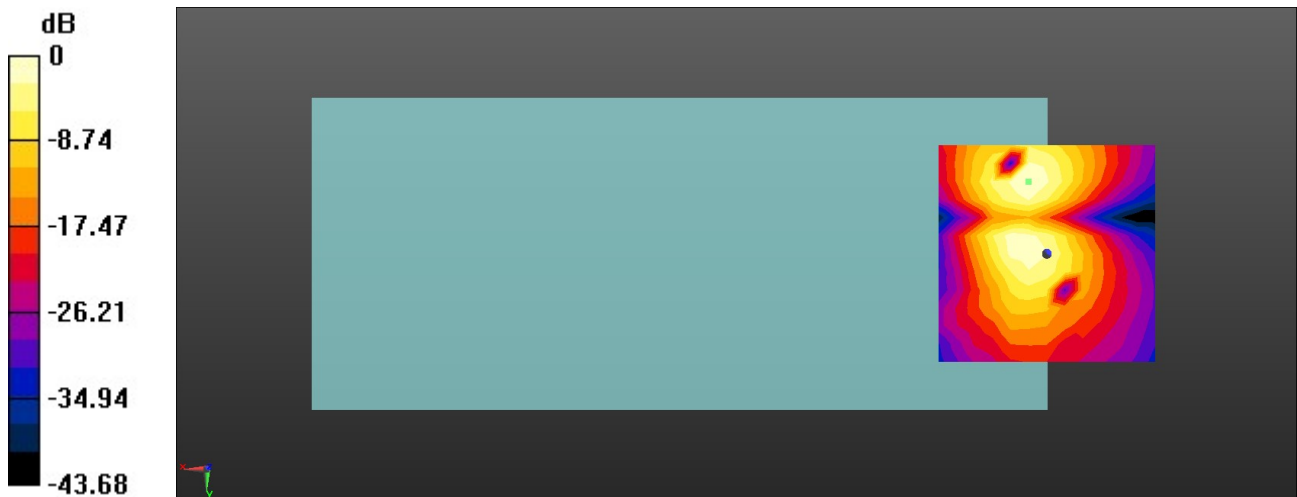
**Ch26340/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 36.05 dB

ABM1 comp = -5.38 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 63.48 = 36.05 dB

### 11\_HAC T-Coil\_LTE Band 7\_20M\_16QAM\_1RB\_0Offset\_Ch21100(Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

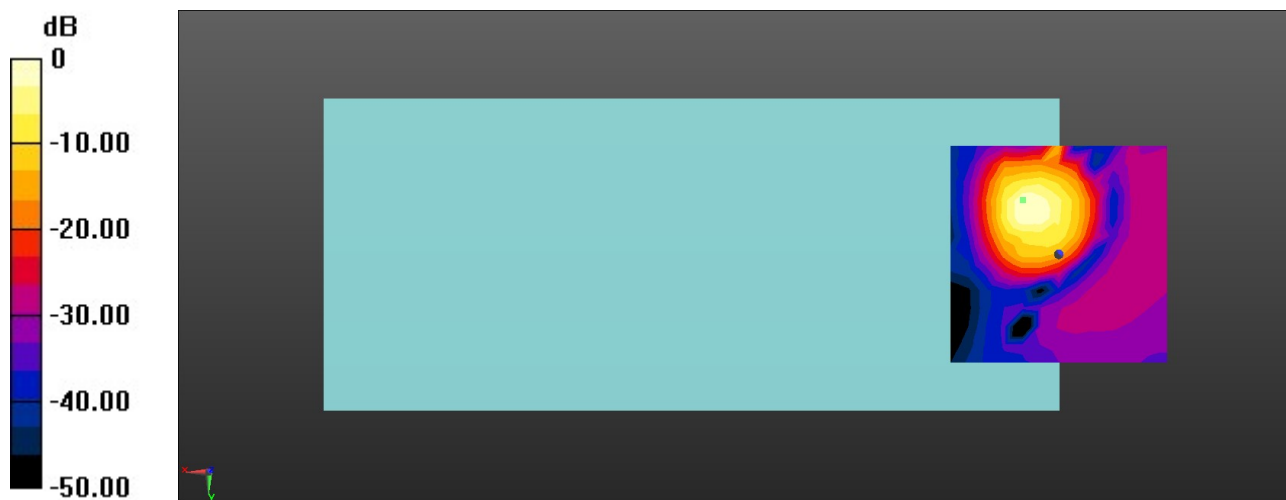
**Ch21100/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.79 dB

ABM1 comp = 3.45 dBA/m

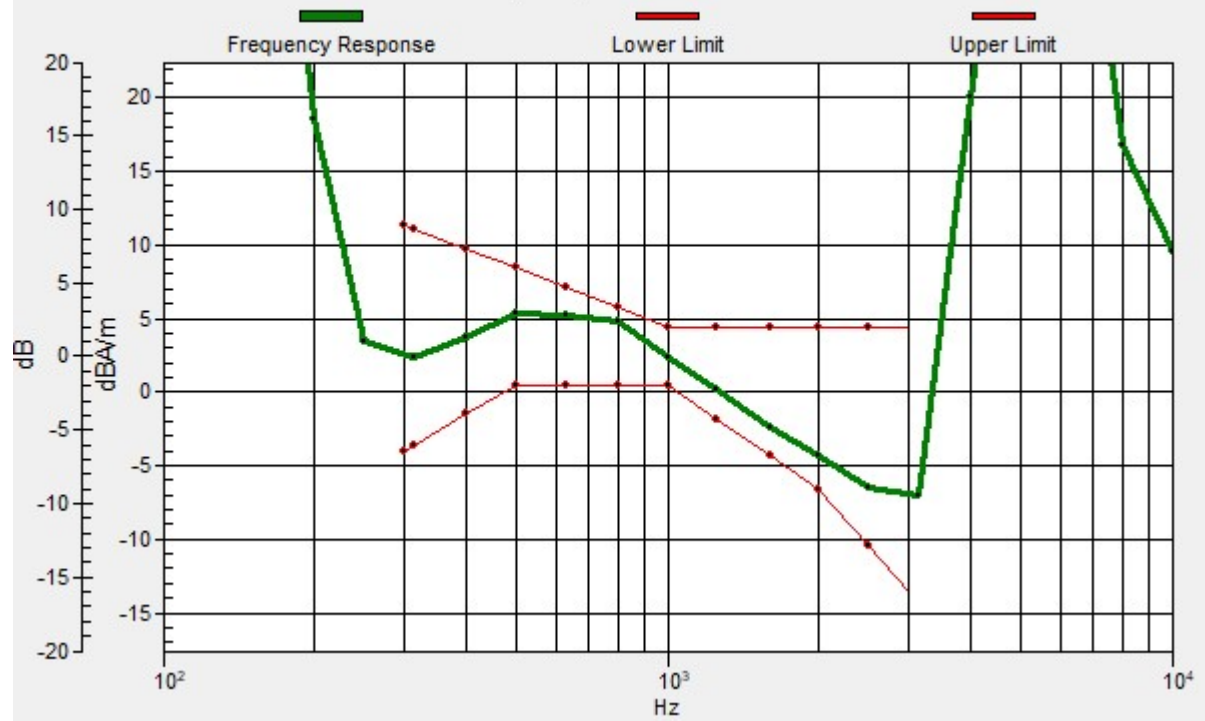
Location: 8.3, -12.5, 3.7 mm



0 dB = 173.7 = 44.79 dB

# Ch21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -12.5, 3.7 mm Diff: 0.85dB





### 11\_HAC T-Coil\_LTE Band 7\_20M\_16QAM\_1RB\_0Offset\_Ch21100(Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 2535 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

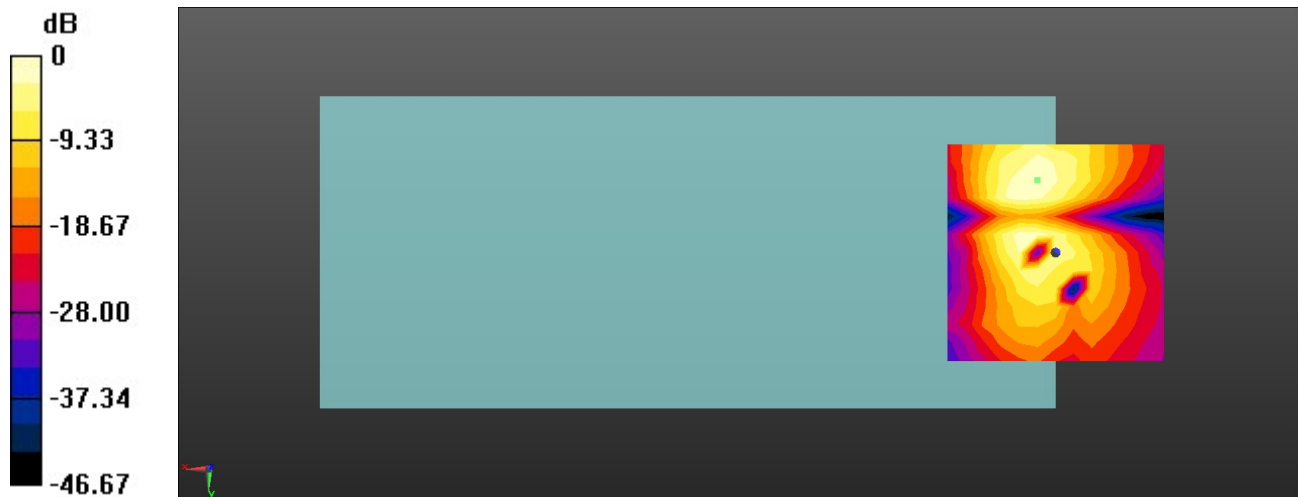
**Ch21100/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 37.48 dB

ABM1 comp = -5.80 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 74.79 = 37.48 dB

### 12\_HAC T-Coil\_LTE Band 41\_20M\_16QAM\_1RB\_0Offset\_Ch40620(Z)

Communication System: UID 0, LTE-TDD (0); Frequency: 2593 MHz; Duty Cycle: 1:2.33

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

Ambient Temperature : 23.3 °C;

#### DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

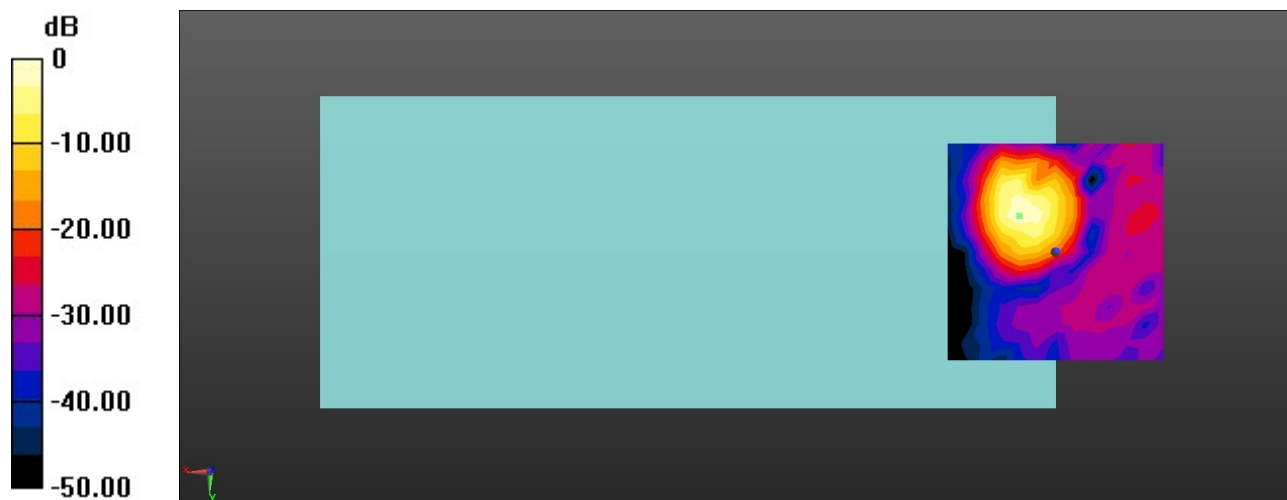
#### Ch40620/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 41.70 dB

ABM1 comp = 5.00 dBA/m

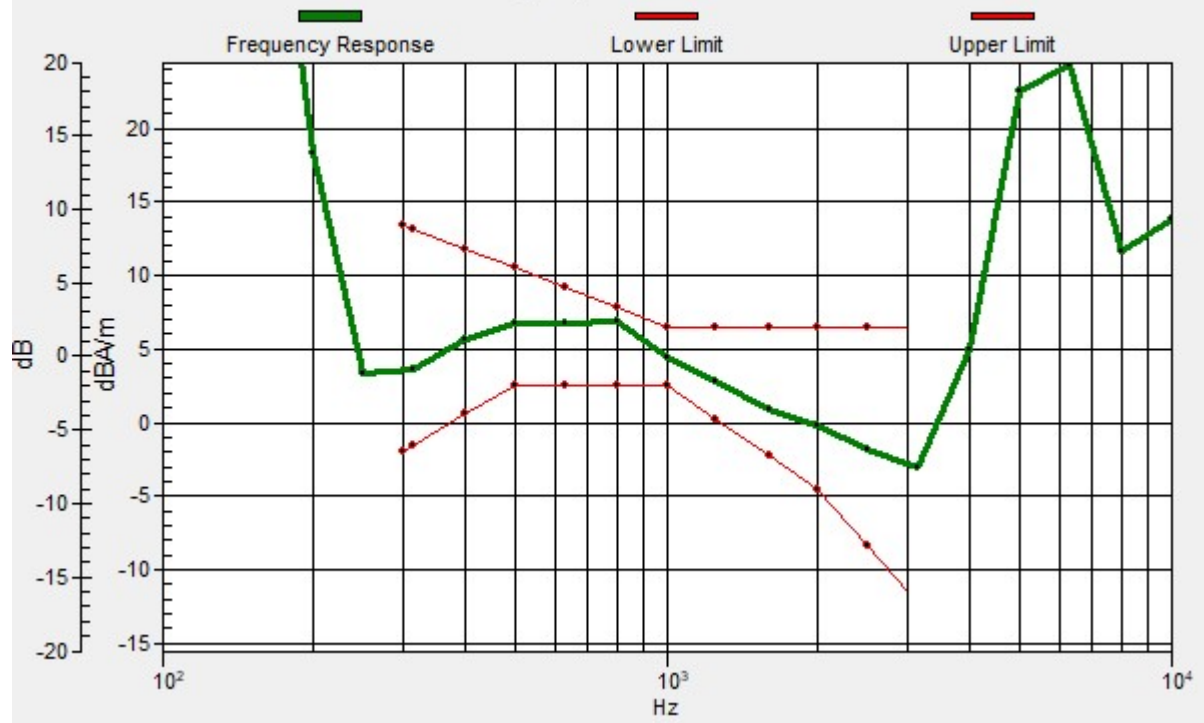
Location: 8.3, -8.3, 3.7 mm



0 dB = 121.7 = 41.70 dB

# Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -8.3, 3.7 mm Diff: 0.96dB



### 12\_HAC T-Coil\_LTE Band 41\_20M\_16QAM\_1RB\_0Offset\_Ch40620(Y)

Communication System: UID 0, LTE-HPUE (0); Frequency: 2593 MHz;Duty Cycle: 1:2.33

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

Ambient Temperature : 23.3 °C;

DASY5 Configuration:

- Probe: AM1DV3 - 3093; Calibrated: 2023/1/31

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1650; Calibrated: 2022/8/5

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

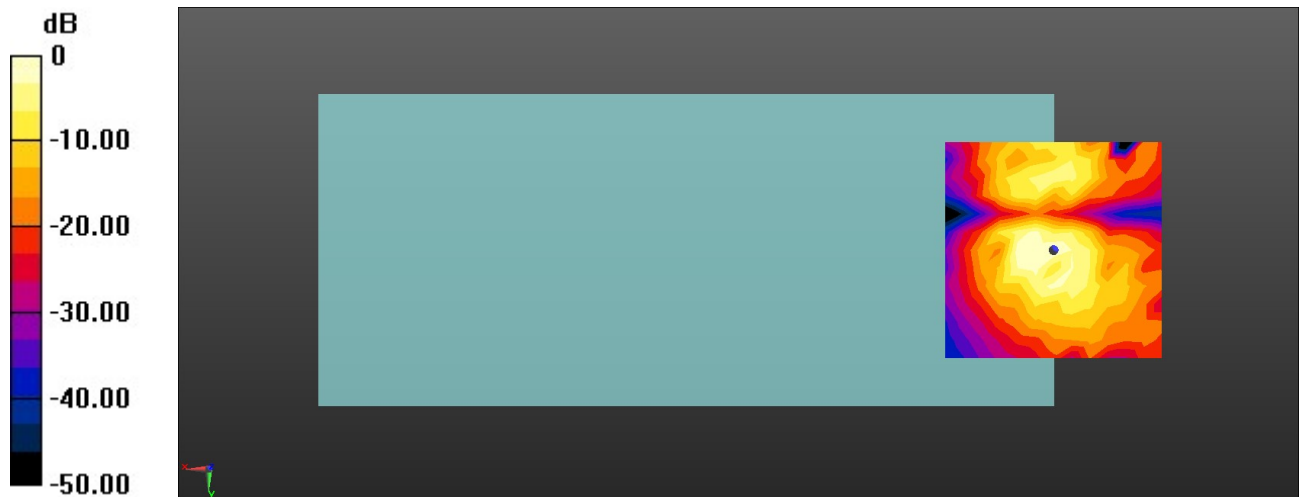
**Ch40620/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 34.53 dB

ABM1 comp = -8.67 dBA/m

Location: 0, 0, 3.7 mm



0 dB = 53.24 = 34.53 dB