



REPORT No.: SZ22070207S03

## 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

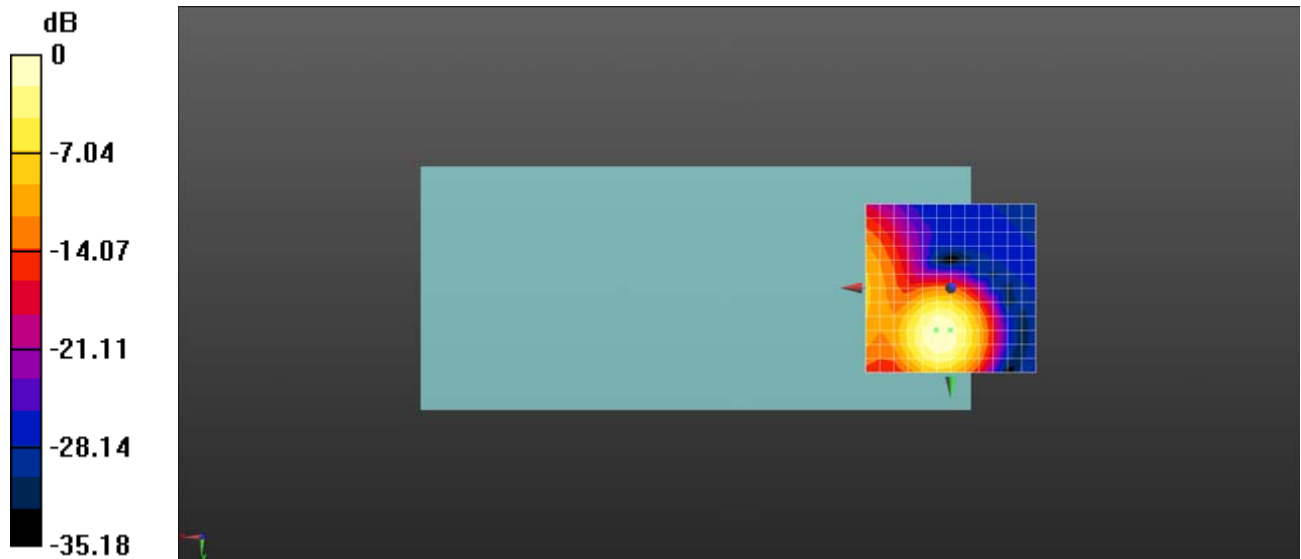
**Ch189/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 27.50 dB

ABM1 comp = -0.21 dBA/m

BWC Factor = 0.02 dB

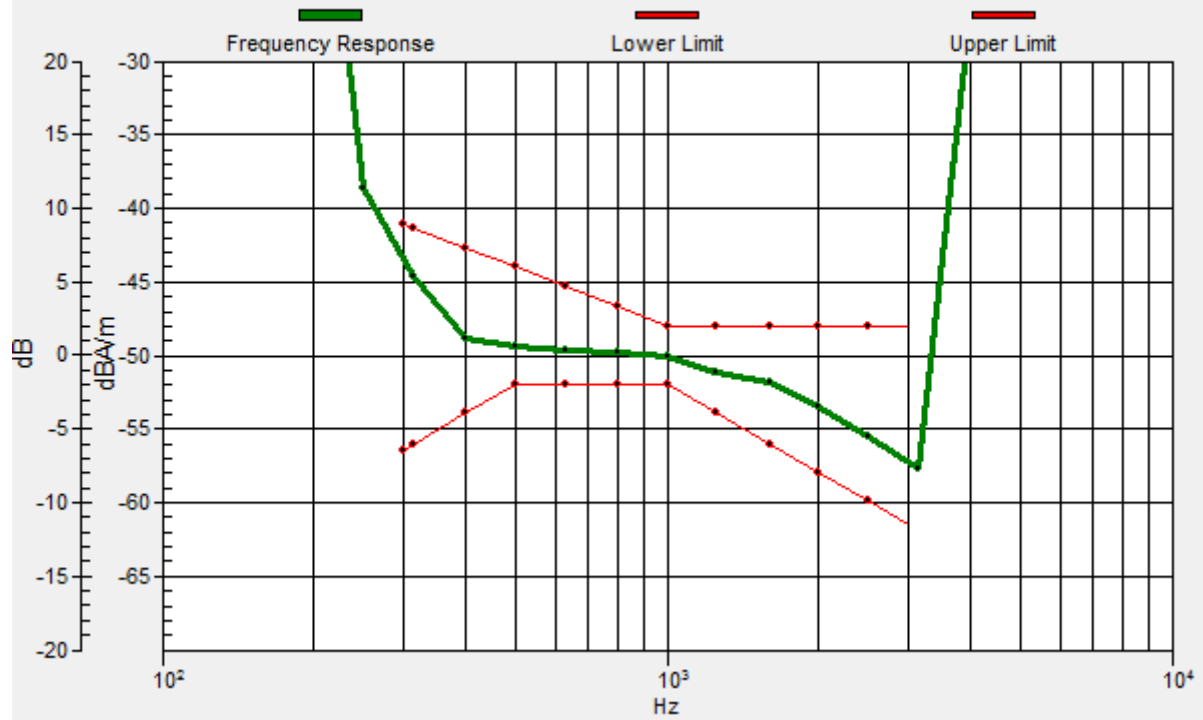
Location: 0, 12.5, 3.7 mm



0 dB = 23.72 = 27.50 dB

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

Loc: 0, 12.5, 3.7 mm Diff: 2dB



### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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:

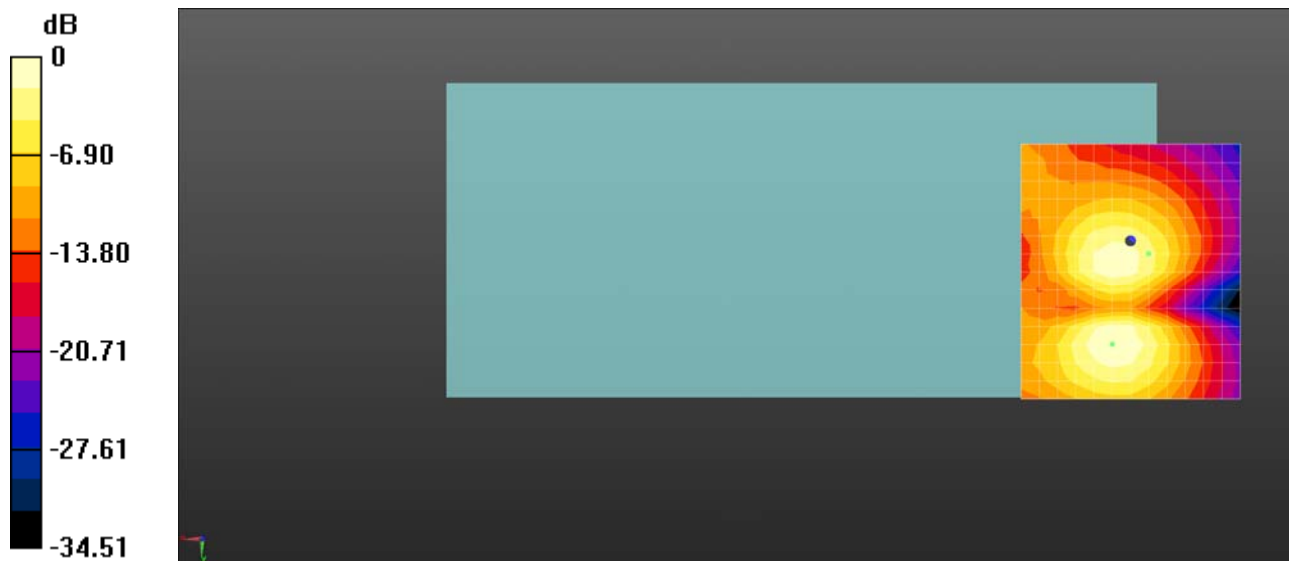
dx=10mm, dy=10mm

ABM1/ABM2 = 27.39 dB

ABM1 comp = -11.36 dBA/m

BWC Factor = 0.02 dB

Location: -4.2, 3, 3.7 mm



0 dB = 23.43 = 27.40 dB

### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

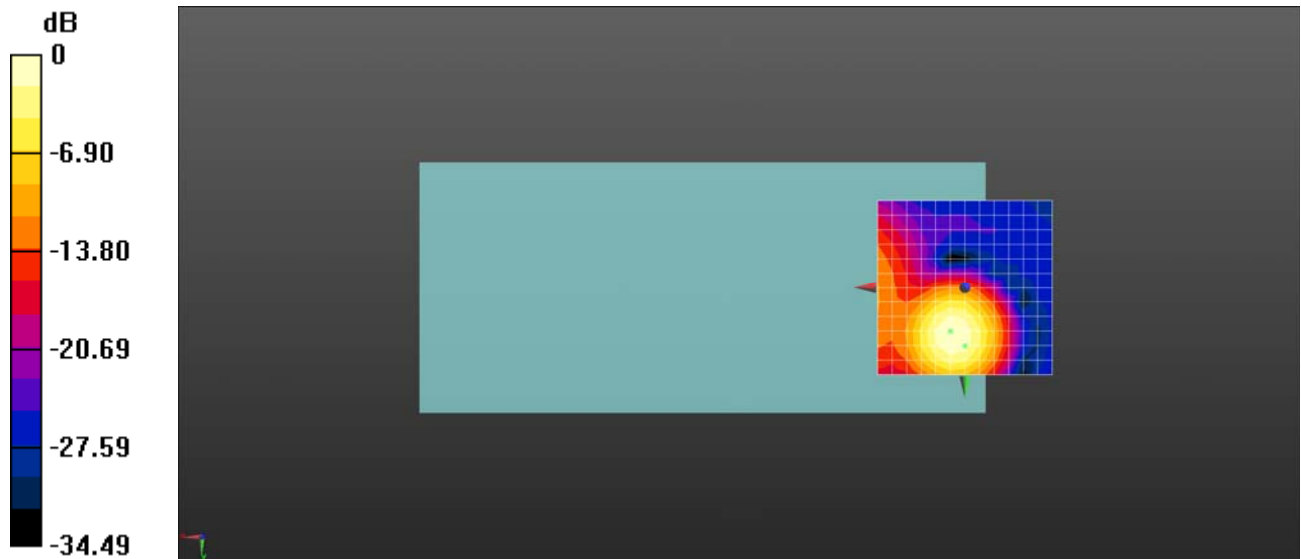
**Ch661/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 27.61 dB

ABM1 comp = -0.36 dBA/m

BWC Factor = 0.02 dB

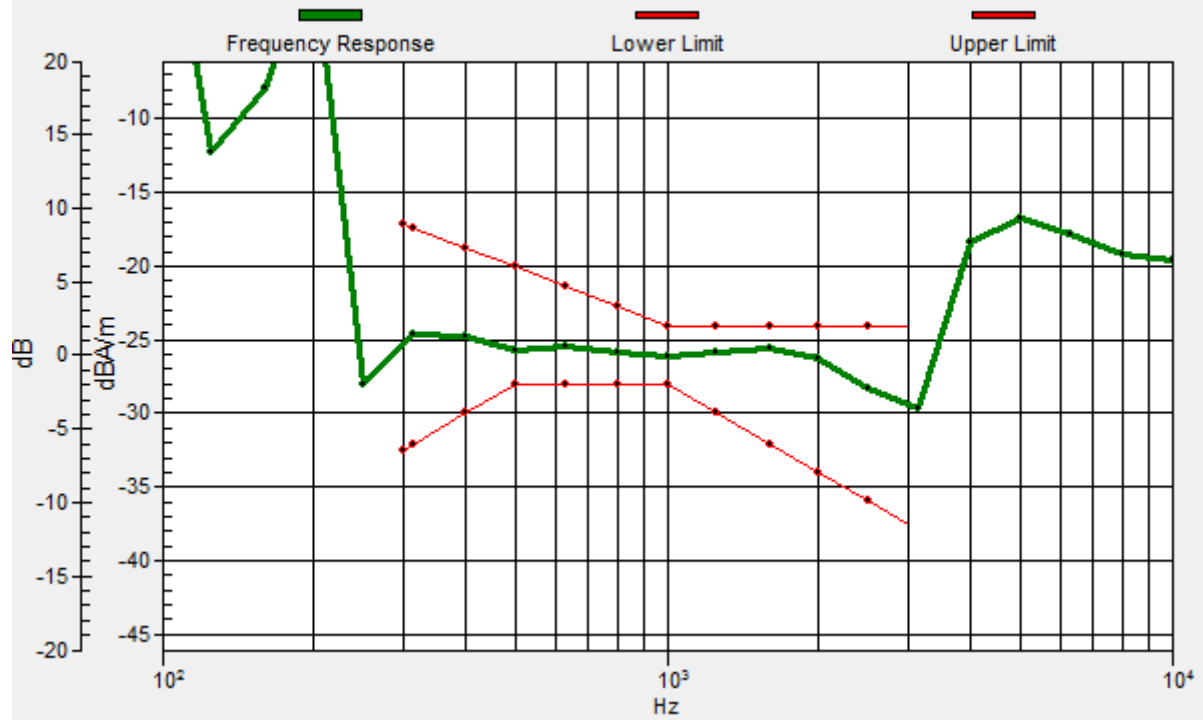
Location: 0, 16.7, 3.7 mm



0 dB = 24.02 = 27.61 dB

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

Loc: 0, 16.7, 3.7 mm Diff: 1.54dB



### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

**Ch661/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:

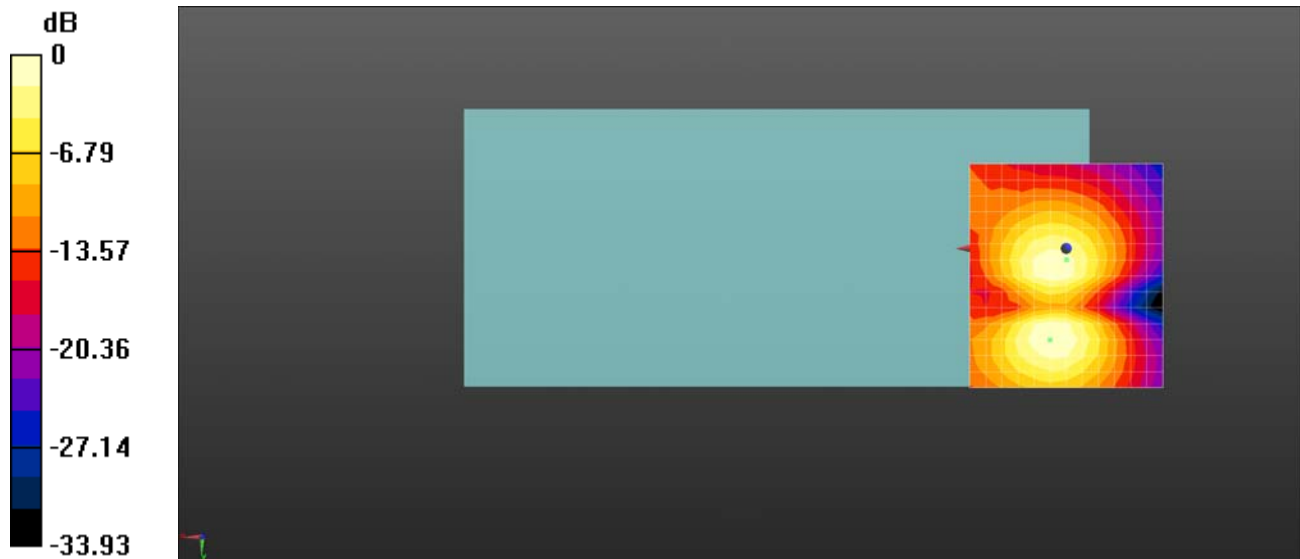
dx=10mm, dy=10mm

ABM1/ABM2 = 27.29 dB

ABM1 comp = -8.41 dBA/m

BWC Factor = 0.02 dB

Location: 0, 3, 3.7 mm



0 dB = 23.16 = 27.29 dB

### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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) (13x13x1): Measurement grid:

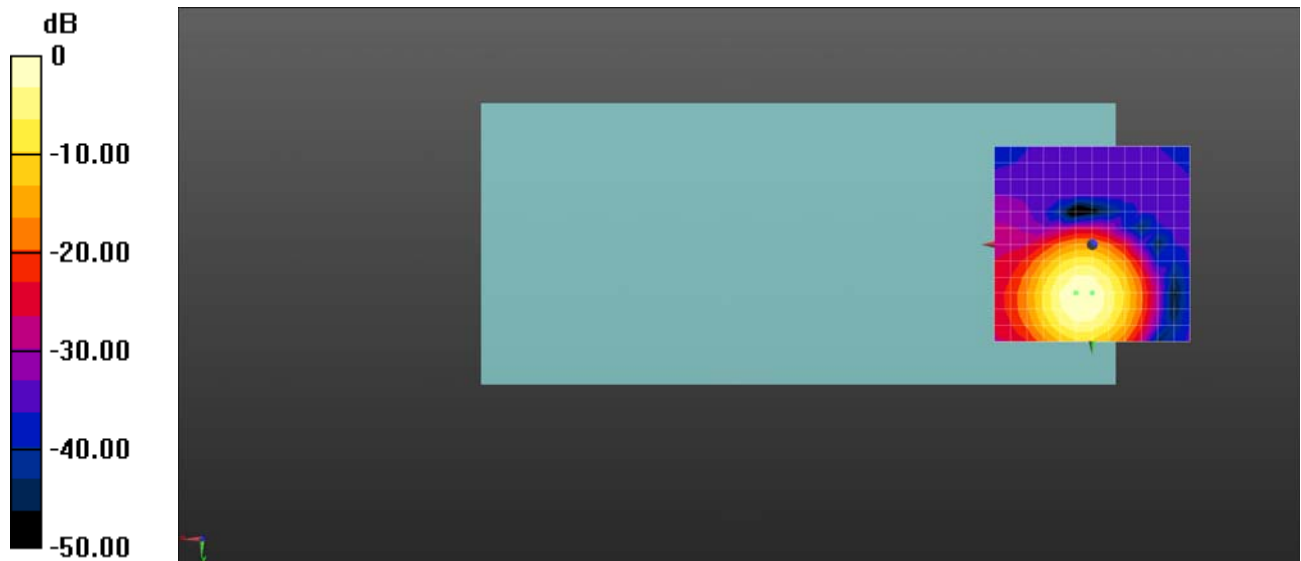
dx=10mm, dy=10mm

ABM1/ABM2 = 49.00 dB

ABM1 comp = -1.66 dBA/m

BWC Factor = 0.01 dB

Location: 0, 12.5, 3.7 mm

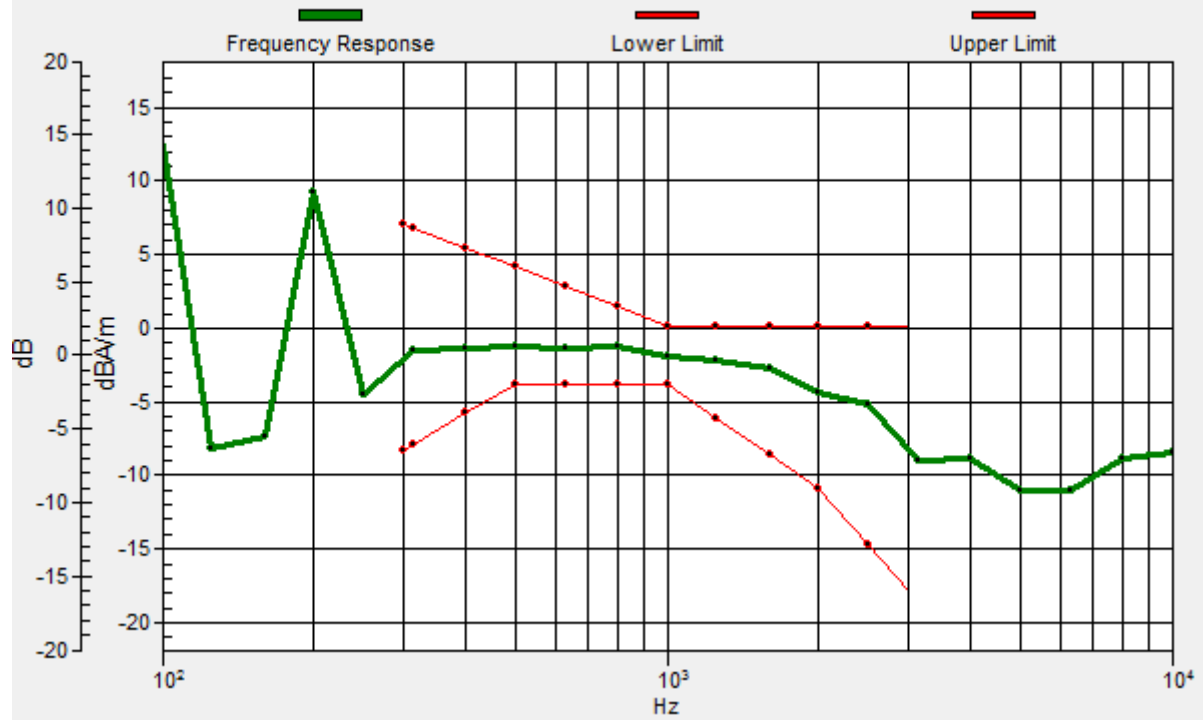


0 dB = 282.0 = 49.00 dB



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

Loc: 0, 12.5, 3.7 mm Diff: 2dB



### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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) (13x13x1): Measurement grid:

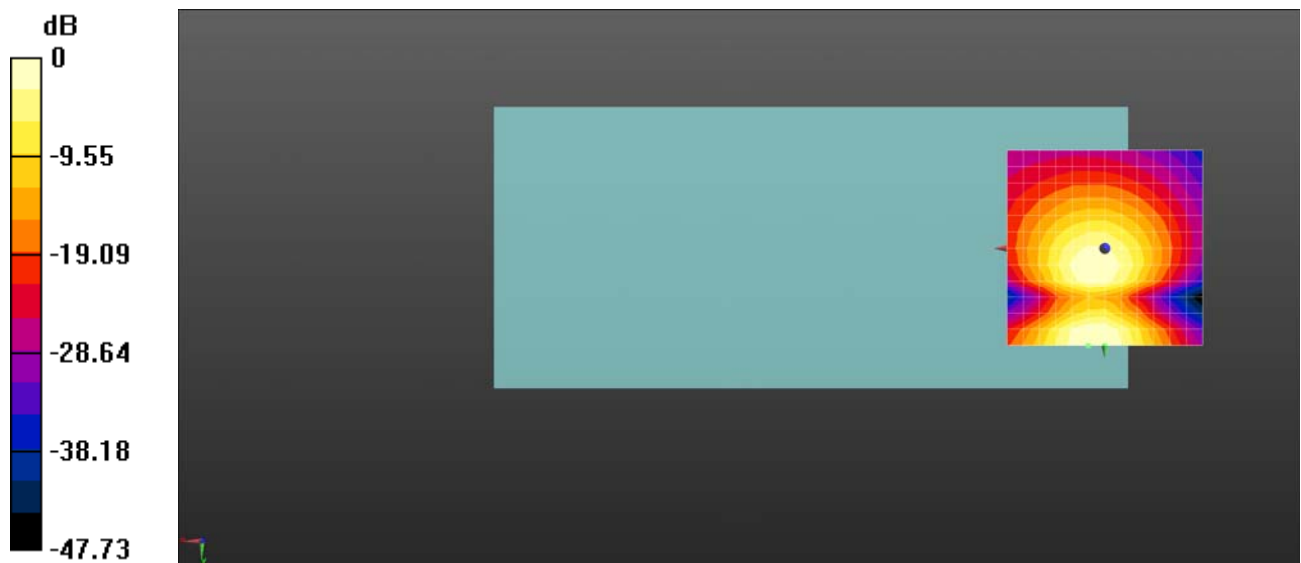
dx=10mm, dy=10mm

ABM1/ABM2 = 38.58 dB

ABM1 comp = -9.88 dBA/m

BWC Factor = 0.01 dB

Location: 0, 25, 3.7 mm



0 dB = 84.95 = 38.58 dB

### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

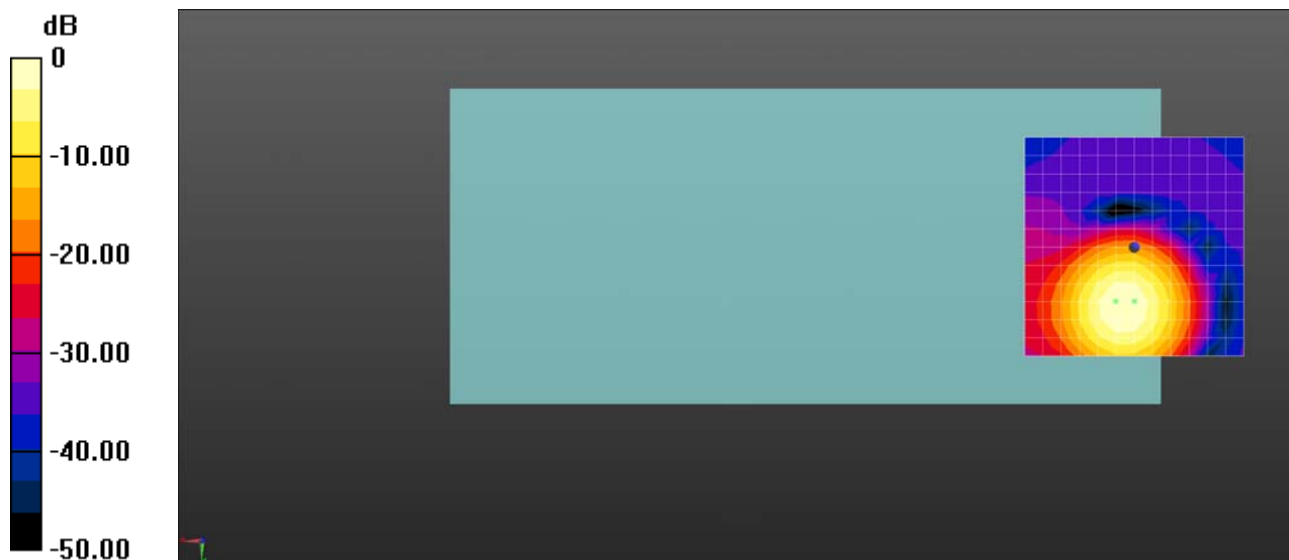
dx=10mm, dy=10mm

ABM1/ABM2 = 49.26 dB

ABM1 comp = -1.51 dBA/m

BWC Factor = 0.01 dB

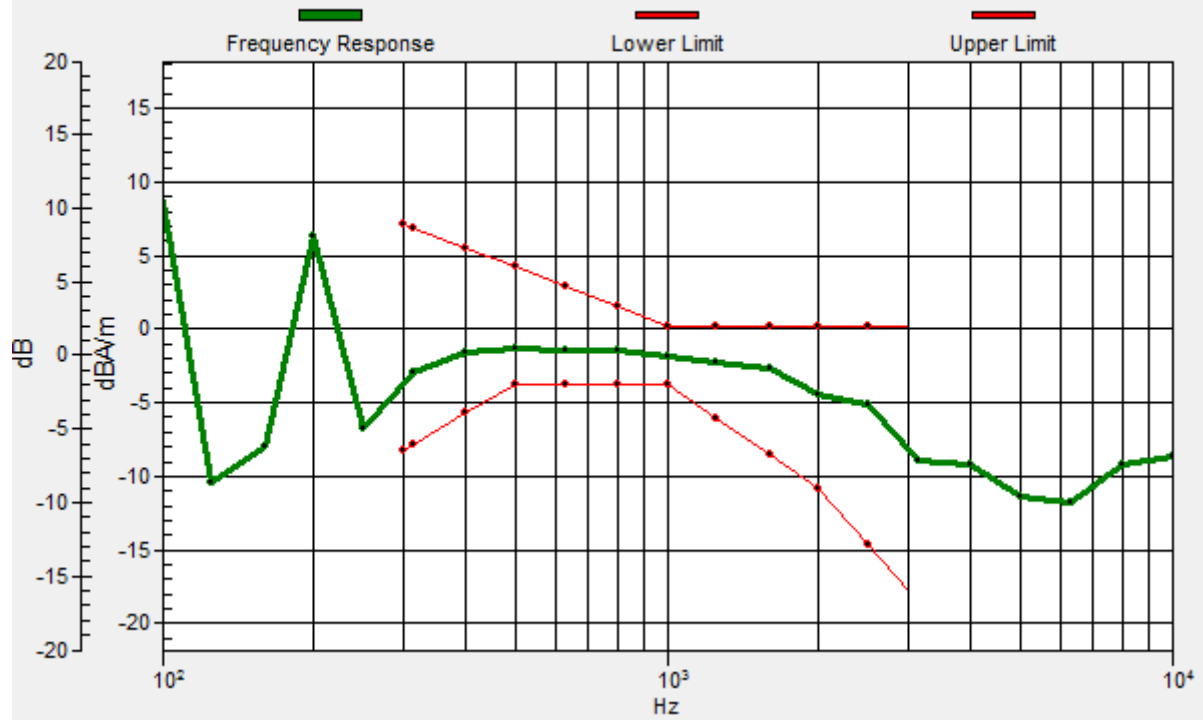
Location: 0, 12.5, 3.7 mm



0 dB = 290.3 = 49.26 dB

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

Loc: 0, 12.5, 3.7 mm Diff: 2dB



### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

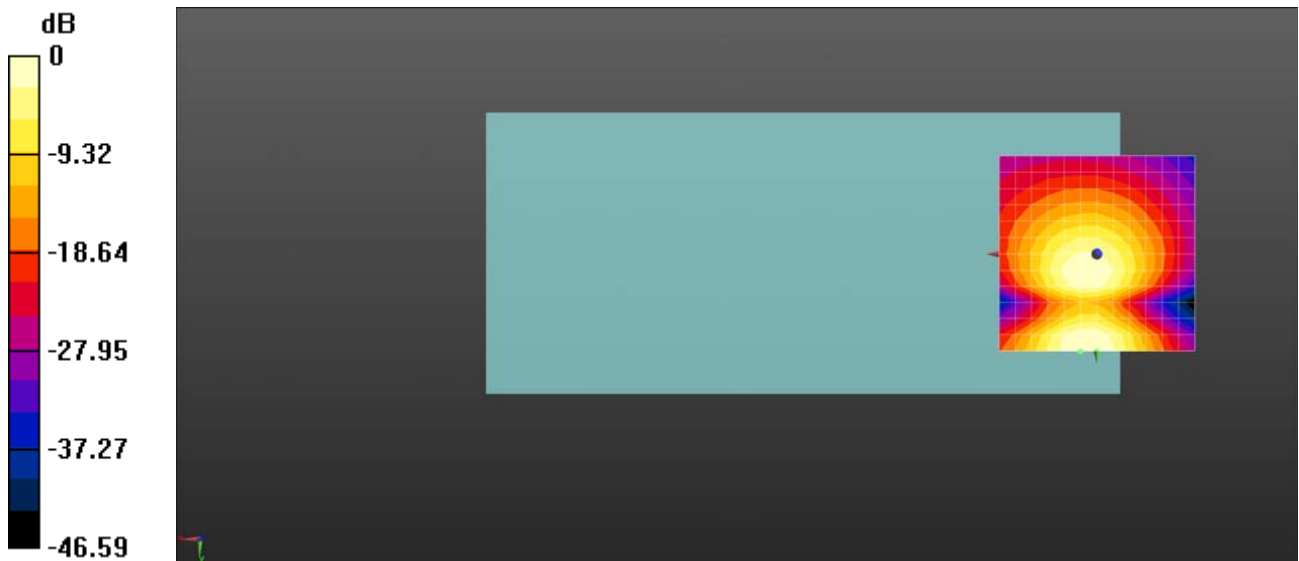
dx=10mm, dy=10mm

ABM1/ABM2 = 38.28 dB

ABM1 comp = -10.02 dBA/m

BWC Factor = 0.01 dB

Location: 0, 25, 3.7 mm



0 dB = 82.02 = 38.28 dB

### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

dx=10mm, dy=10mm

ABM1/ABM2 = 49.07 dB

ABM1 comp = -1.54 dBA/m

BWC Factor = 0.02 dB

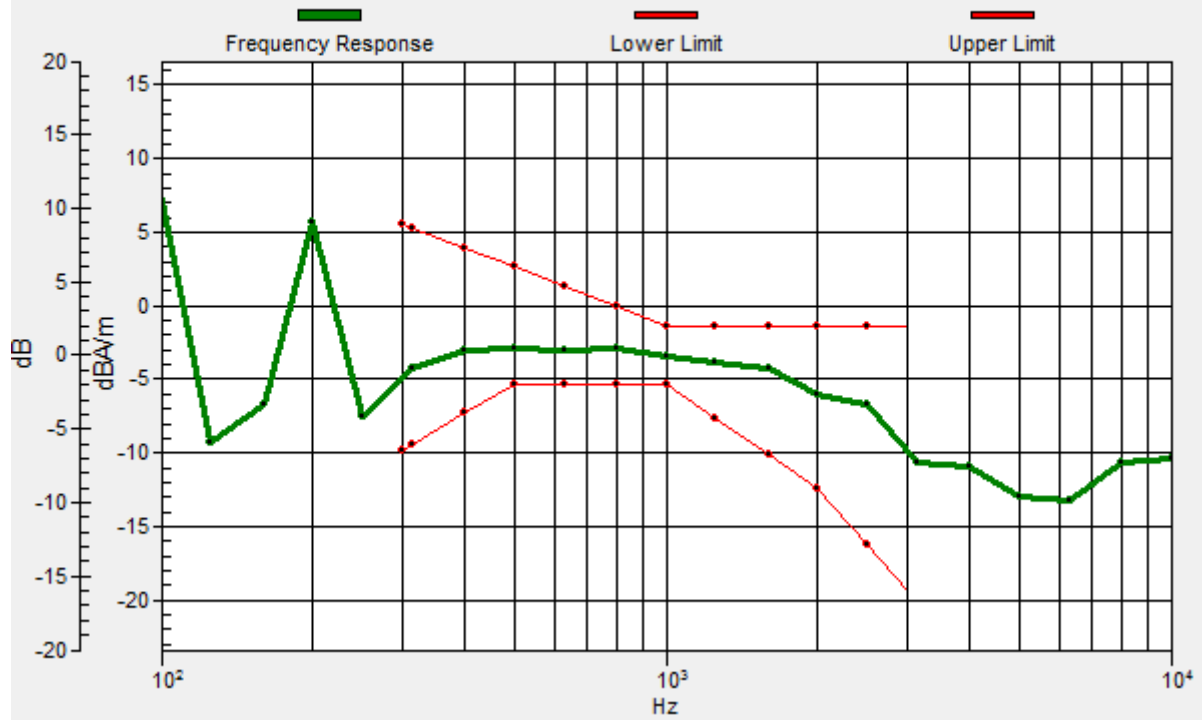
Location: 0, 12.5, 3.7 mm



0 dB = 284.1 = 49.07 dB

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

Loc: 0, 12.5, 3.7 mm Diff: 2dB



### 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

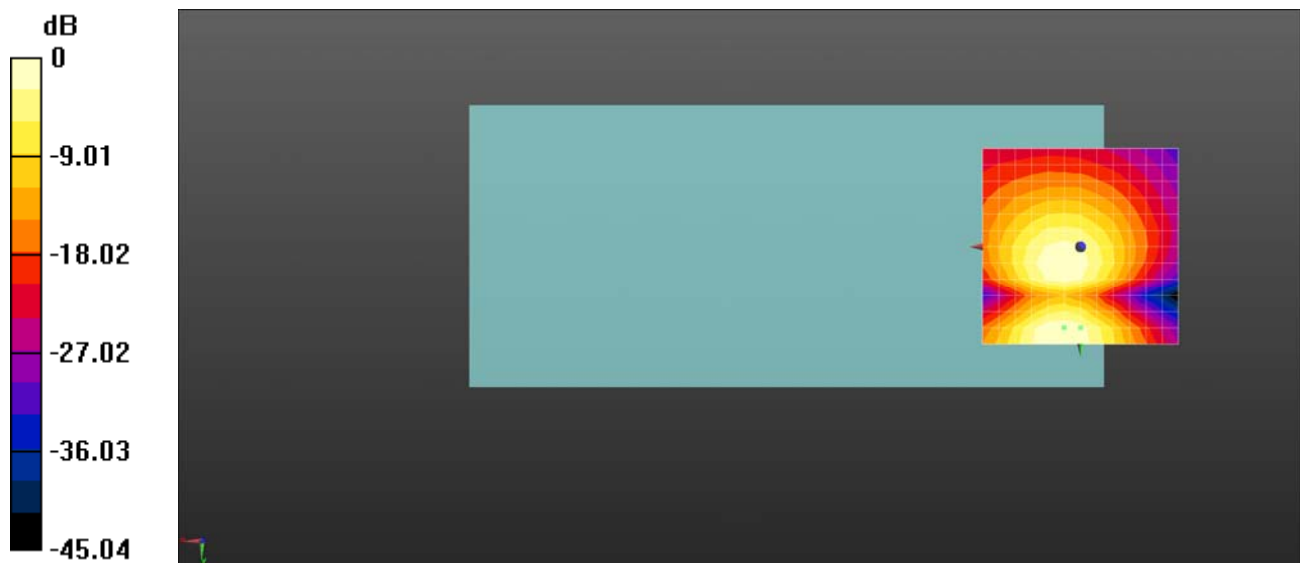
dx=10mm, dy=10mm

ABM1/ABM2 = 38.65 dB

ABM1 comp = -11.13 dBA/m

BWC Factor = 0.02 dB

Location: 0, 20.8, 3.7 mm



0 dB = 85.60 = 38.65 dB



### HAC\_T-Coil\_LTE Band 2\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch18900/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

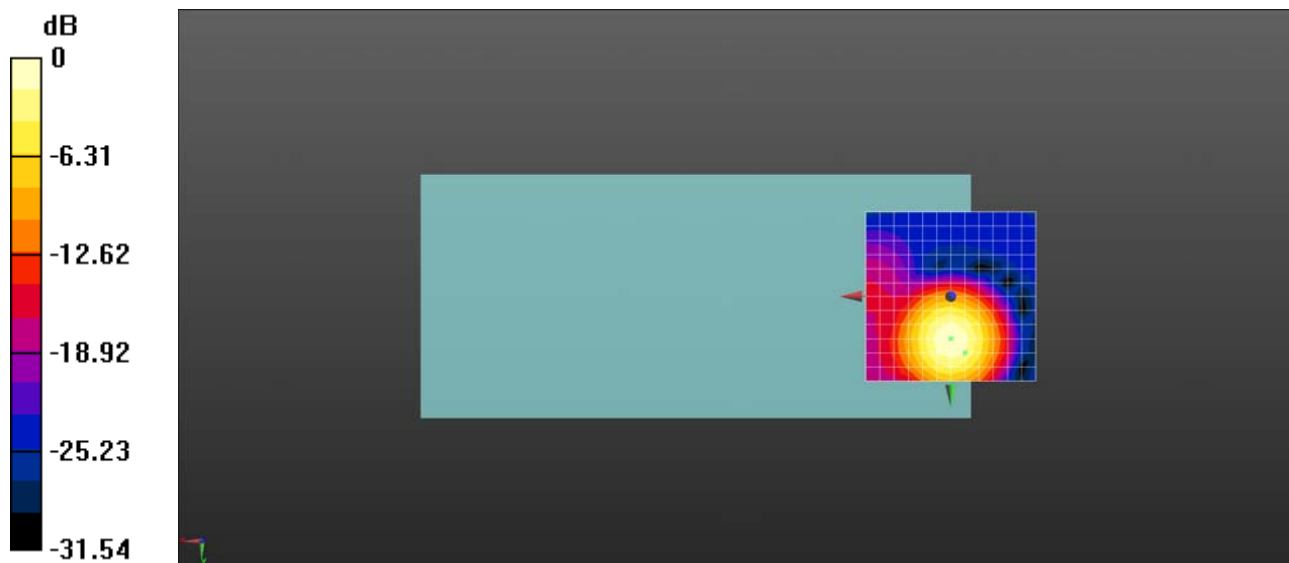
dx=10mm, dy=10mm

ABM1/ABM2 = 29.81 dB

ABM1 comp = -2.63 dBA/m

BWC Factor = 0.02 dB

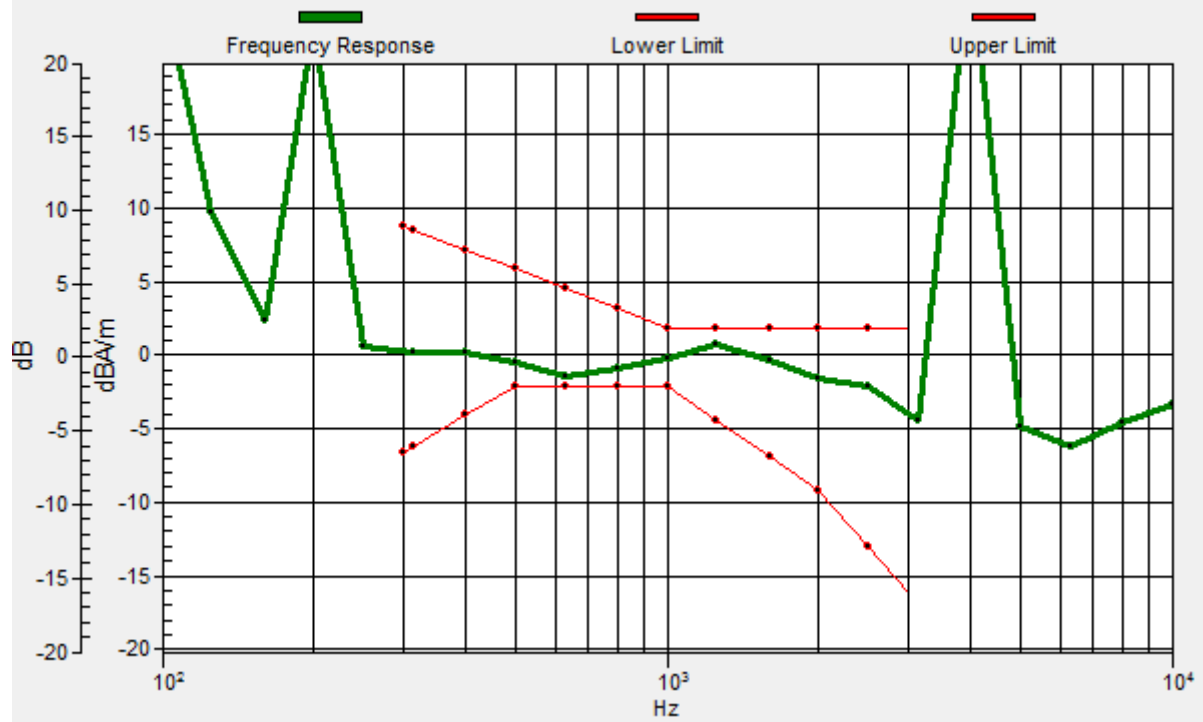
Location: -4.2, 16.7, 3.7 mm



0 dB = 30.93 = 29.81 dB

# Ch18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 16.7, 3.7 mm Diff: 0.66dB



### HAC\_T-Coil\_LTE Band 2\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch18900/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

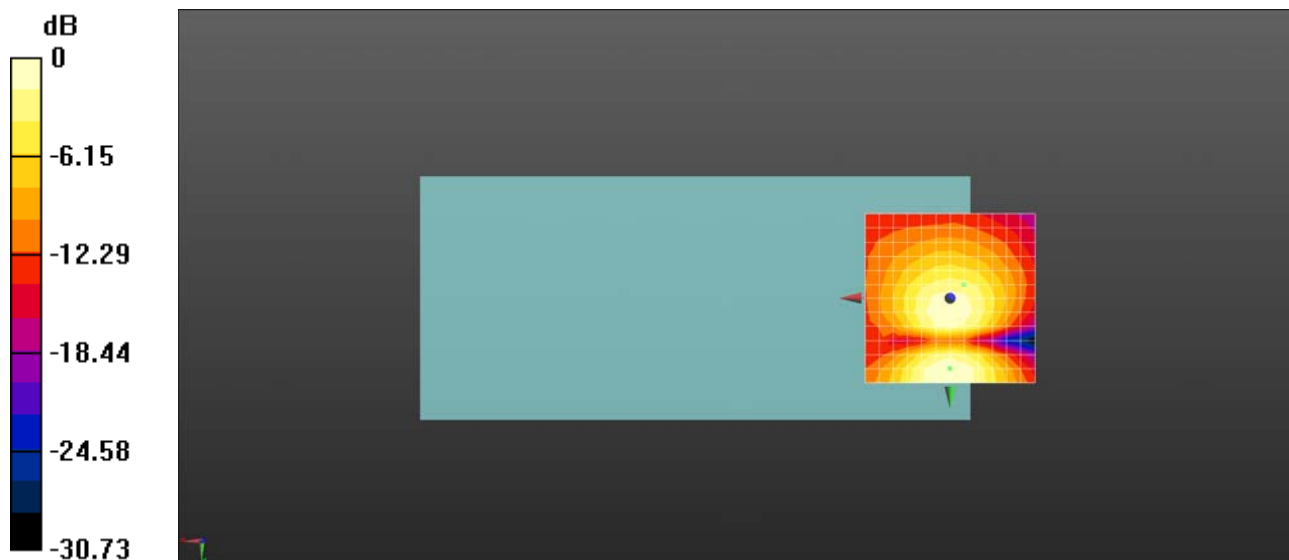
dx=10mm, dy=10mm

ABM1/ABM2 = 29.27 dB

ABM1 comp = -13.37 dBA/m

BWC Factor = 0.02 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 29.07 = 29.27 dB

### HAC\_T-Coil\_LTE Band 4\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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) (13x13x1):** Measurement grid:

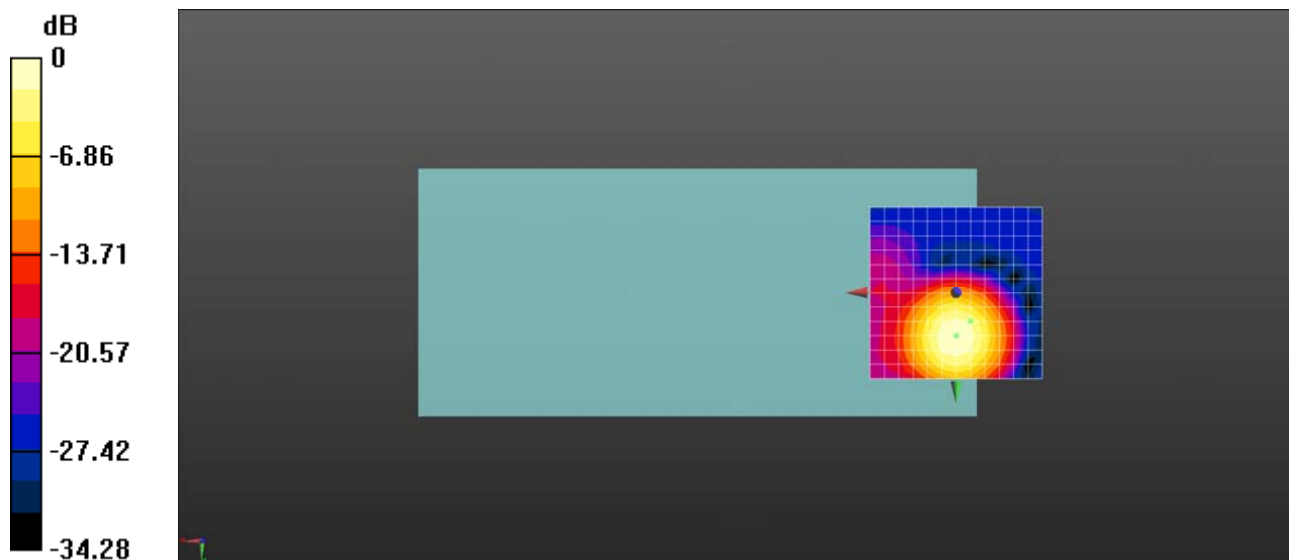
dx=10mm, dy=10mm

ABM1/ABM2 = 29.41 dB

ABM1 comp = -3.40 dBA/m

BWC Factor = 0.02 dB

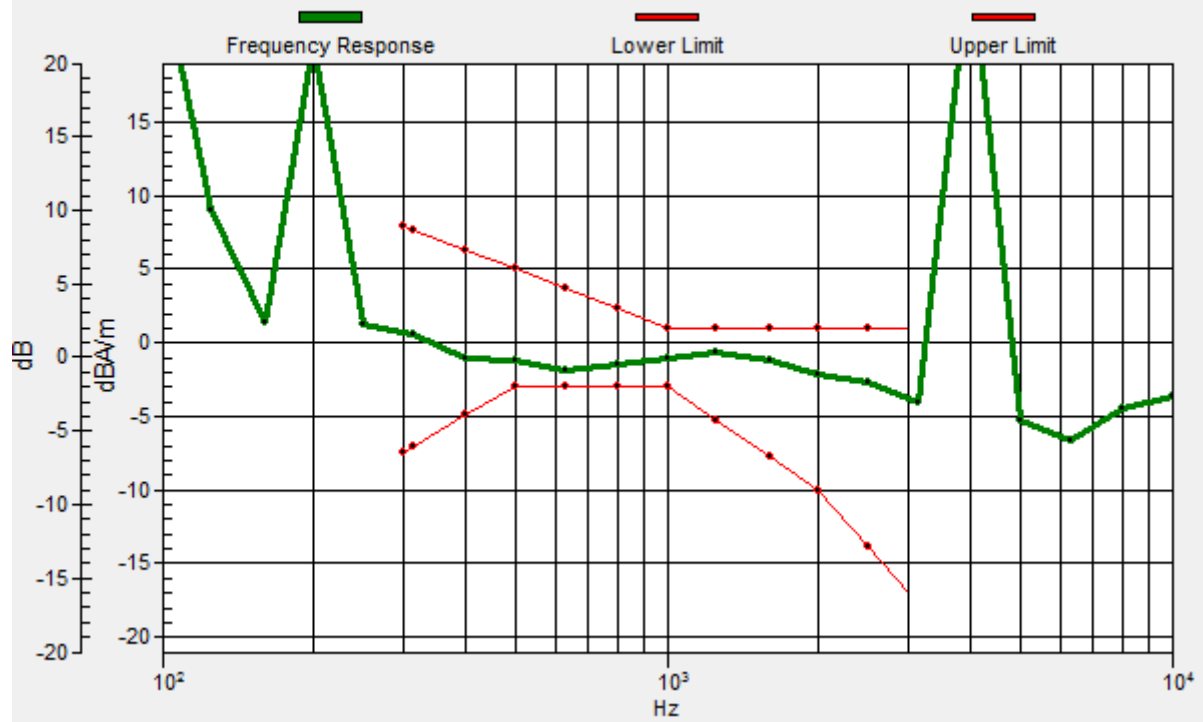
Location: -4.2, 8.3, 3.7 mm



0 dB = 29.55 = 29.41 dB

# Ch20175/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



### HAC\_T-Coil\_LTE Band 4\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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) (13x13x1):** Measurement grid:

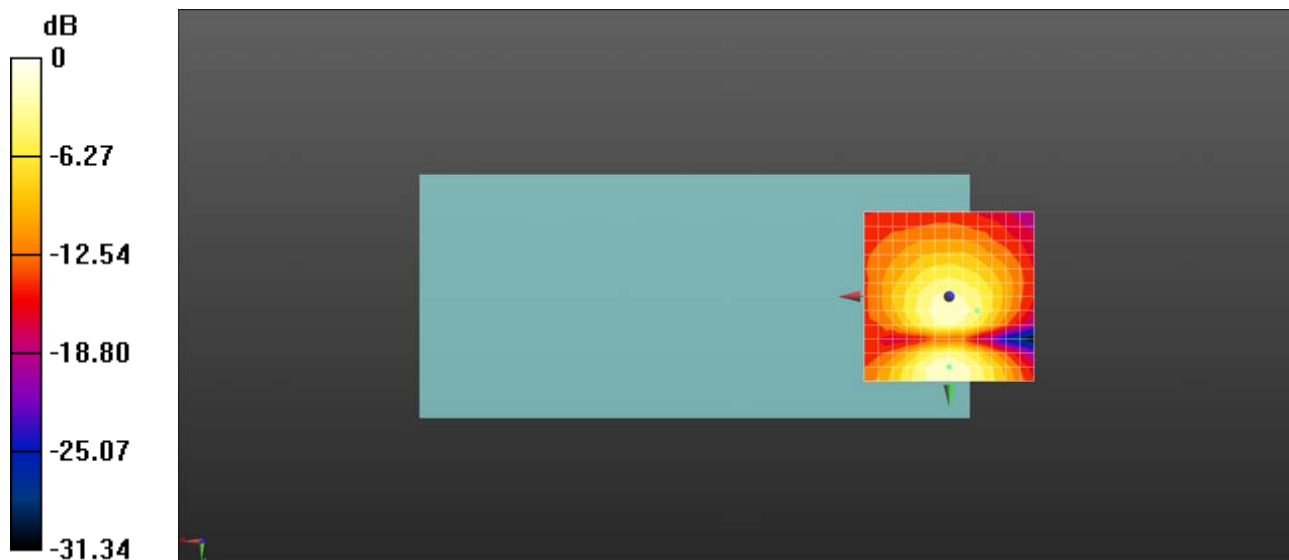
dx=10mm, dy=10mm

ABM1/ABM2 = 29.20 dB

ABM1 comp = -12.56 dBA/m

BWC Factor = 0.02 dB

Location: -8.3, 4.2, 3.7 mm



0 dB = 28.85 = 29.20 dB

### HAC\_T-Coil\_LTE Band 5\_10MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch20525/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

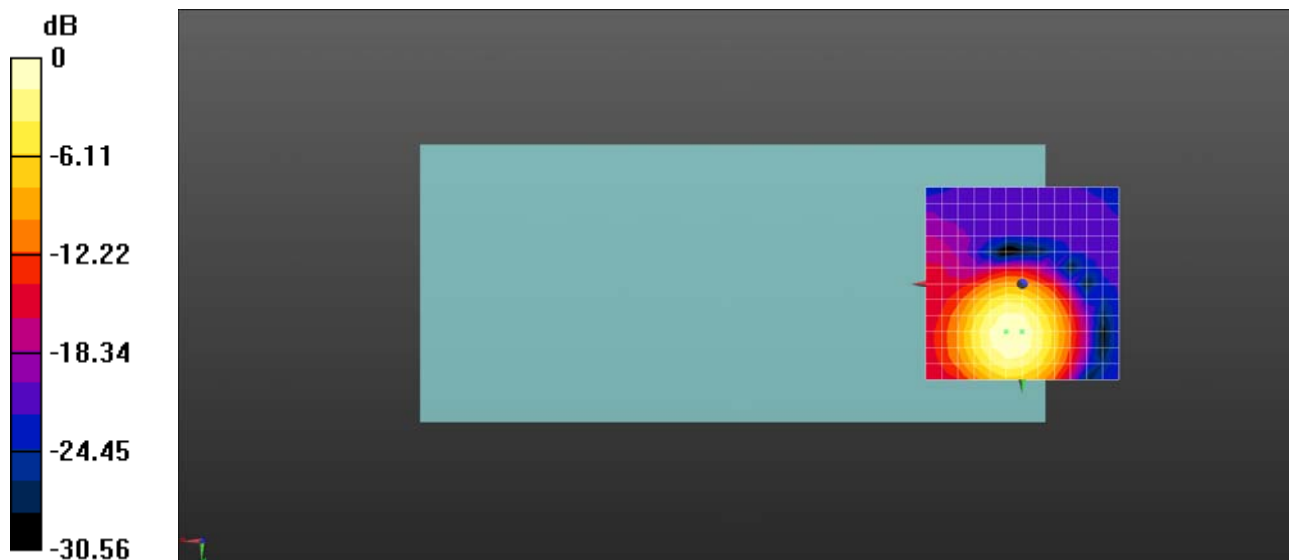
dx=10mm, dy=10mm

ABM1/ABM2 = 29.39 dB

ABM1 comp = -1.02 dBA/m

BWC Factor = 0.03 dB

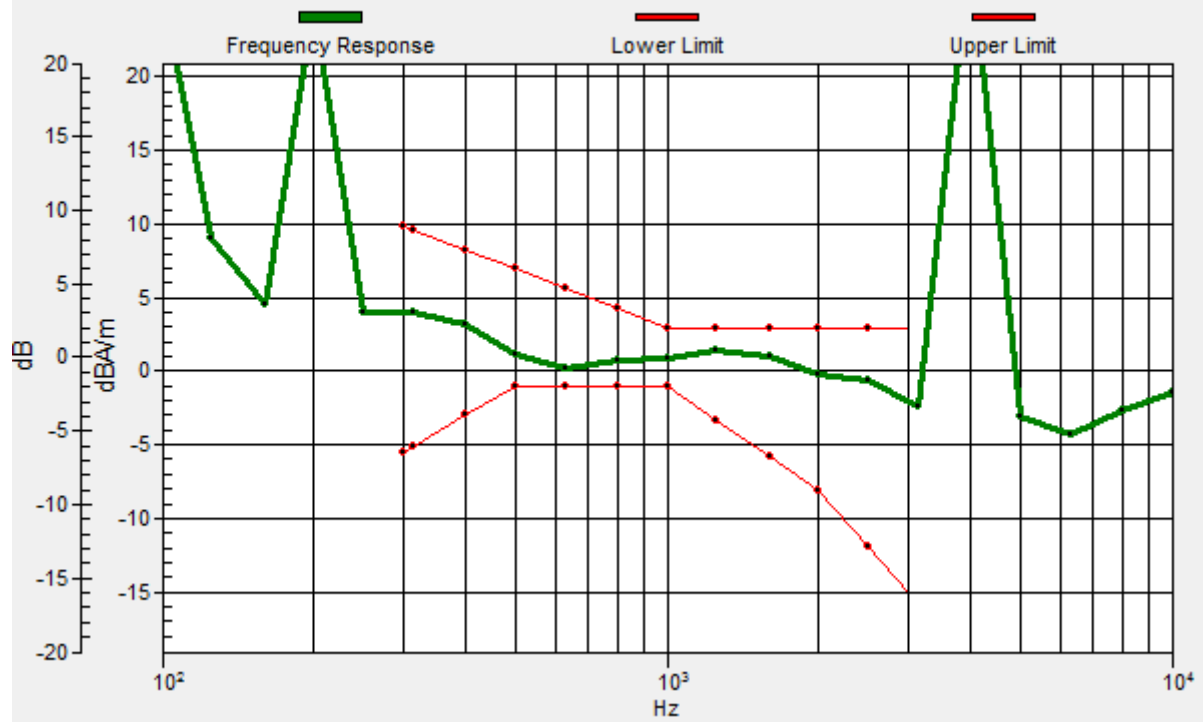
Location: 0, 12.5, 3.7 mm



0 dB = 29.48 = 29.39 dB

# Ch20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 12.5, 3.7 mm Diff: 1.23dB





### HAC\_T-Coil\_LTE Band 5\_10MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

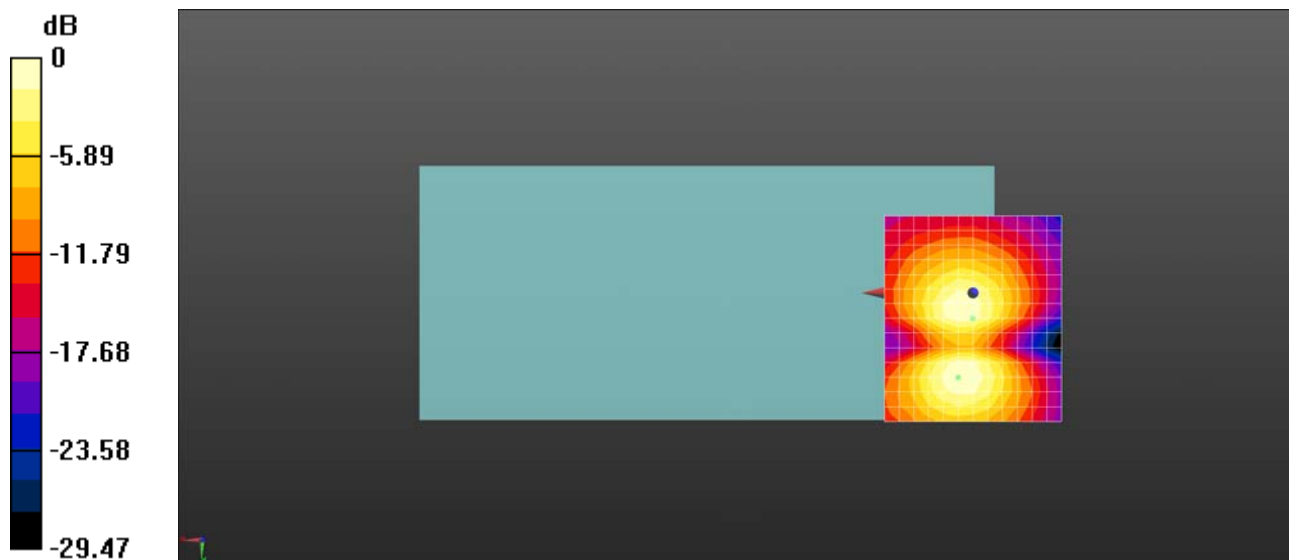
**Ch20525/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:  
dx=10mm, dy=10mm

ABM1/ABM2 = 28.90 dB

ABM1 comp = -9.87 dBA/m

BWC Factor = 0.03 dB

Location: 0, 7.2, 3.7 mm



0 dB = 27.86 = 28.90 dB

### HAC\_T-Coil\_LTE Band 12\_10MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

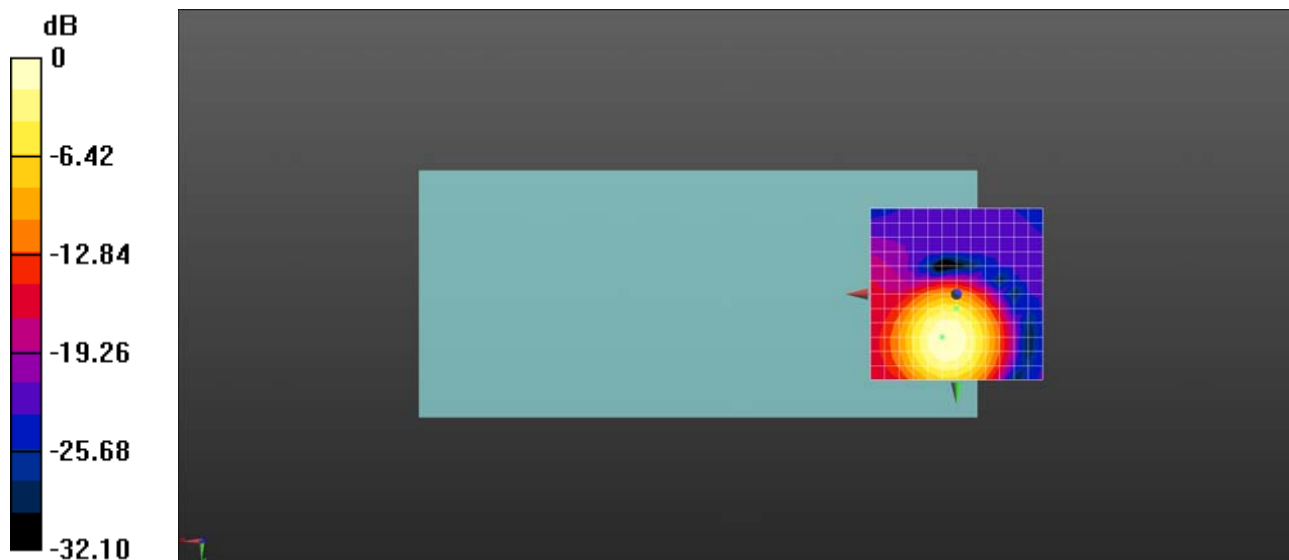
dx=10mm, dy=10mm

ABM1/ABM2 = 27.89 dB

ABM1 comp = -7.48 dBA/m

BWC Factor = 0.02 dB

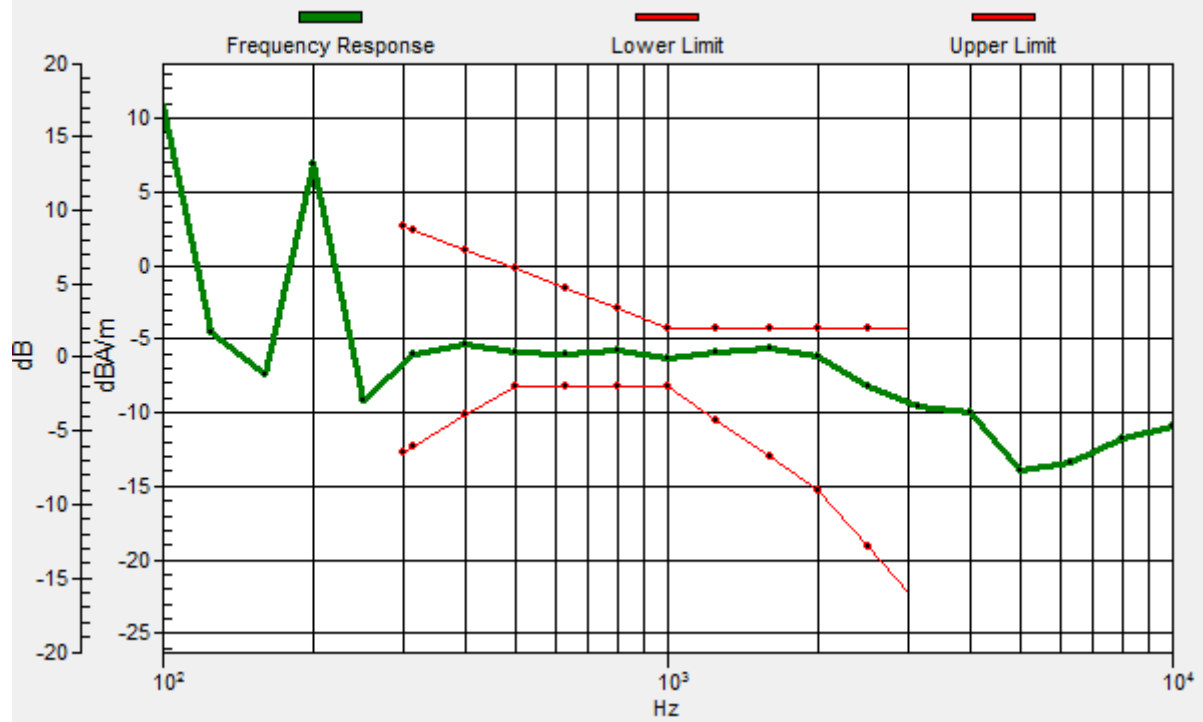
Location: 0, 4.2, 3.7 mm



0 dB = 24.80 = 27.89 dB

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

Loc: 0, 4.2, 3.7 mm Diff: 1.37dB



### HAC\_T-Coil\_LTE Band 12\_10MHz\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch23095/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

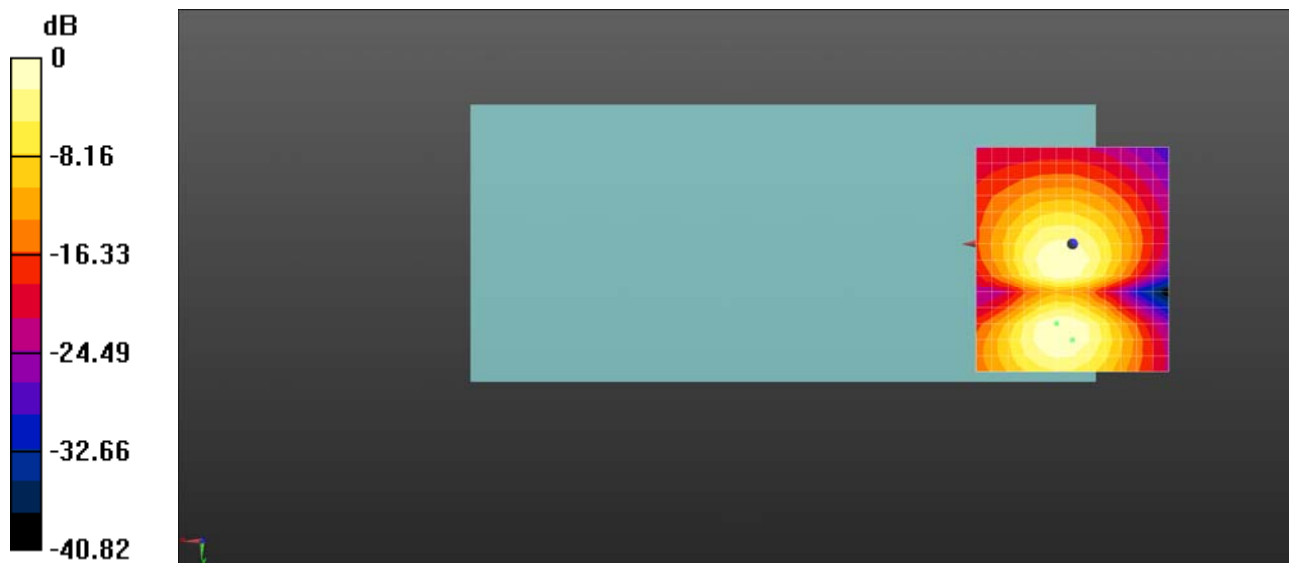
dx=10mm, dy=10mm

ABM1/ABM2 = 40.25 dB

ABM1 comp = -8.26 dBA/m

BWC Factor = 0.02 dB

Location: 0, 25, 3.7 mm



0 dB = 102.9 = 40.25 dB

### HAC\_T-Coil\_LTE Band 13\_10MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch23230\_Z

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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)

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

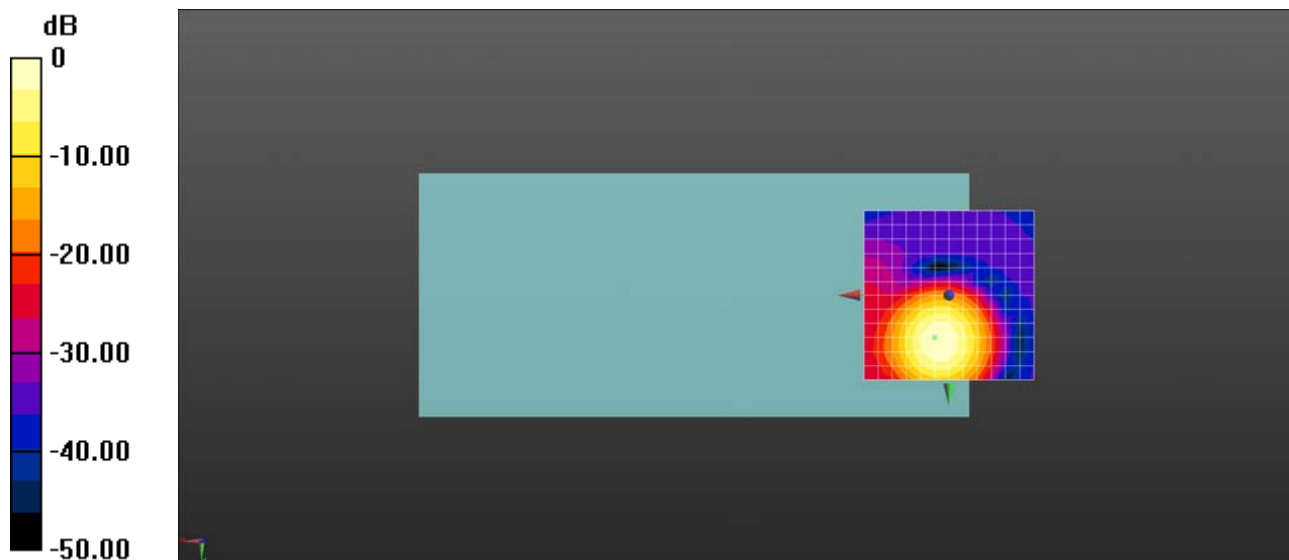
dx=10mm, dy=10mm

ABM1/ABM2 = 54.22 dB

ABM1 comp = 0.55 dBA/m

BWC Factor = 0.03 dB

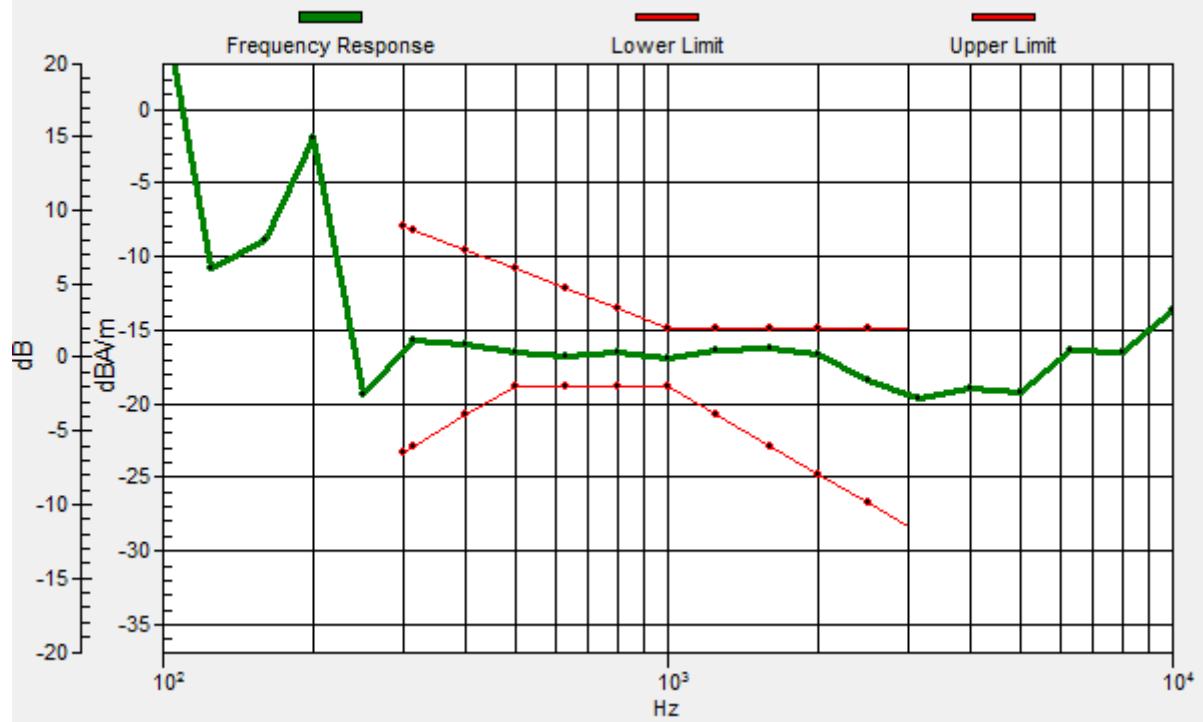
Location: 4.2, 12.5, 3.7 mm



0 dB = 513.8 = 54.22 dB

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

Loc: 4.2, 12.5, 3.7 mm Diff: 1.34dB



### HAC\_T-Coil\_LTE Band 13\_10MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch23230\_Y

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 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: AM1DV2 - 1048; ; Calibrated: 202402.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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)

**Ch23230/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid:

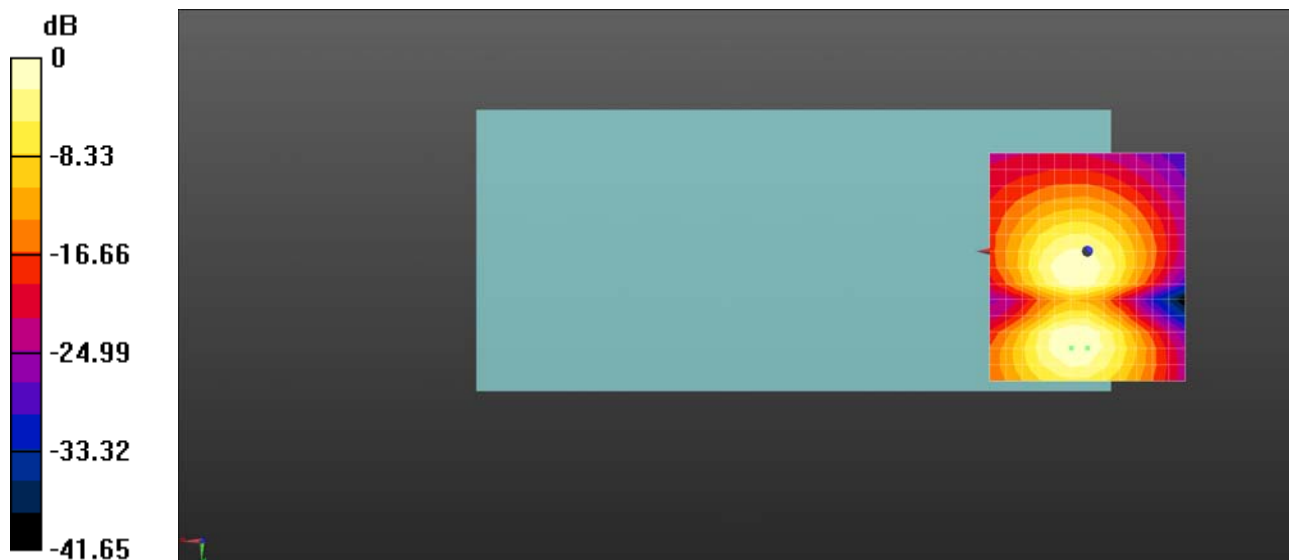
dx=10mm, dy=10mm

ABM1/ABM2 = 39.53 dB

ABM1 comp = -8.32 dBA/m

BWC Factor = 0.03 dB

Location: 0, 25, 3.7 mm



0 dB = 94.78 = 39.53 dB

### HAC\_T-Coil\_LTE Band 25\_20MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch26365\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch26365/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

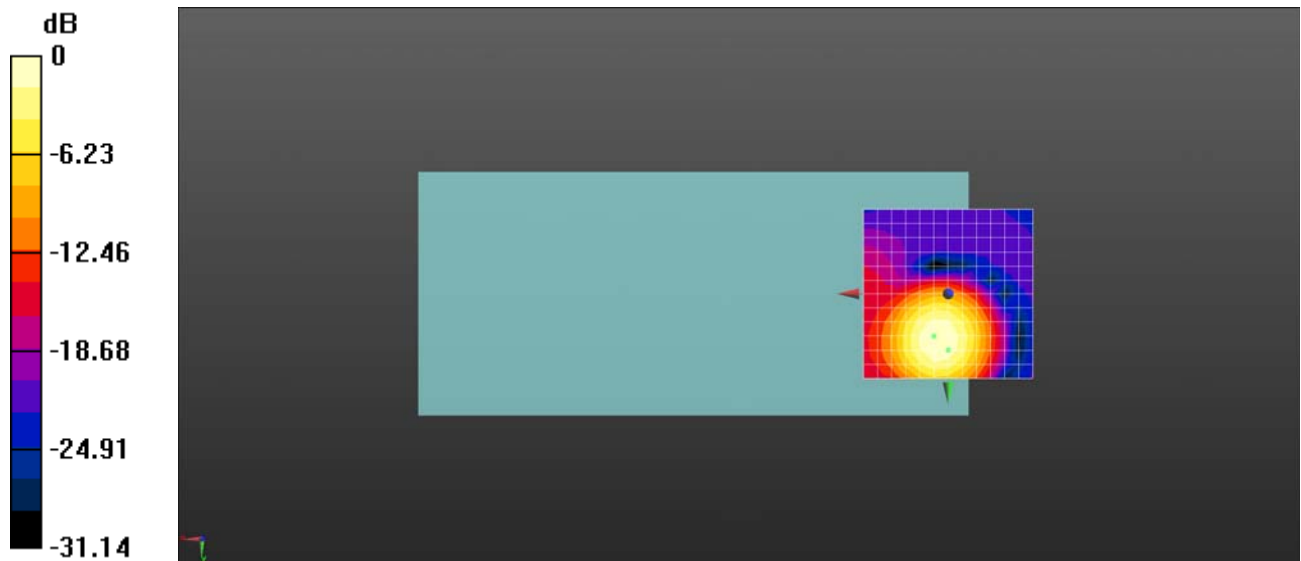
dx=10mm, dy=10mm

ABM1/ABM2 = 29.39 dB

ABM1 comp = -1.64 dBA/m

BWC Factor = 0.02 dB

Location: 0, 16.7, 3.7 mm

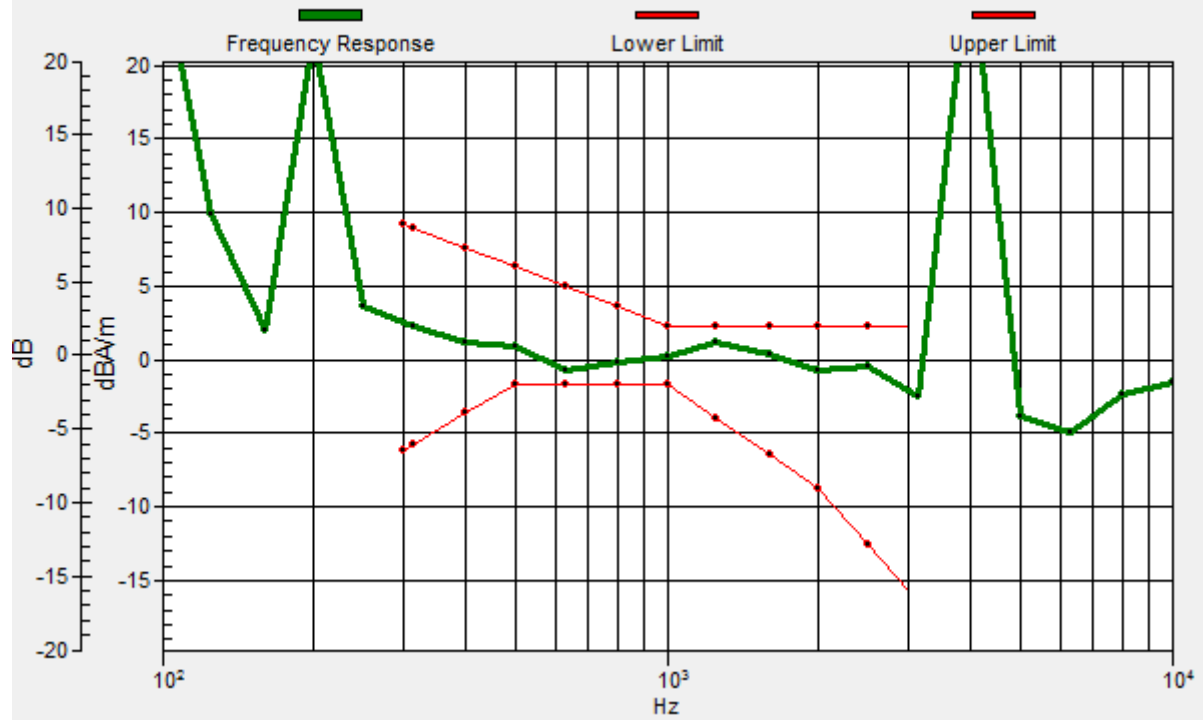


0 dB = 29.48 = 29.39 dB



# Ch26365/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 16.7, 3.7 mm Diff: 1.03dB



### HAC\_T-Coil\_LTE Band 25\_20MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch26365\_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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

**Ch26365/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

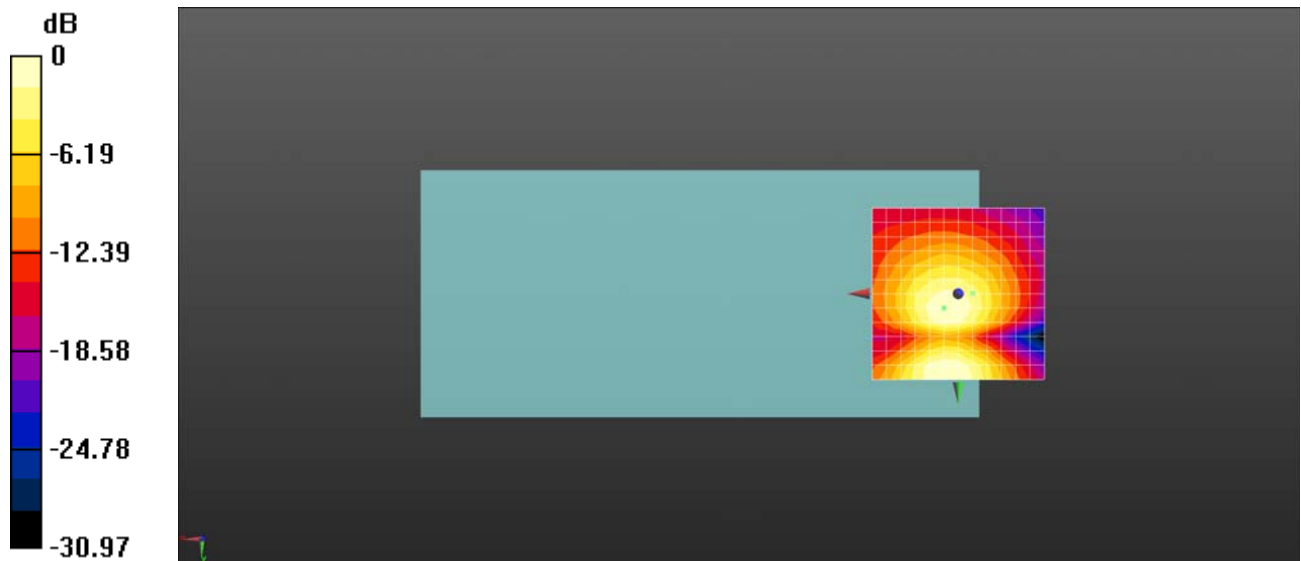
dx=10mm, dy=10mm

ABM1/ABM2 = 28.74 dB

ABM1 comp = -12.67 dBA/m

BWC Factor = 0.02 dB

Location: -4.2, 0, 3.7 mm



0 dB = 27.34 = 28.74 dB

### HAC\_T-Coil\_LTE Band 26\_15MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch26865\_Z

Communication System: UID 10181 - CAB, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK);  
Frequency: 831.5 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

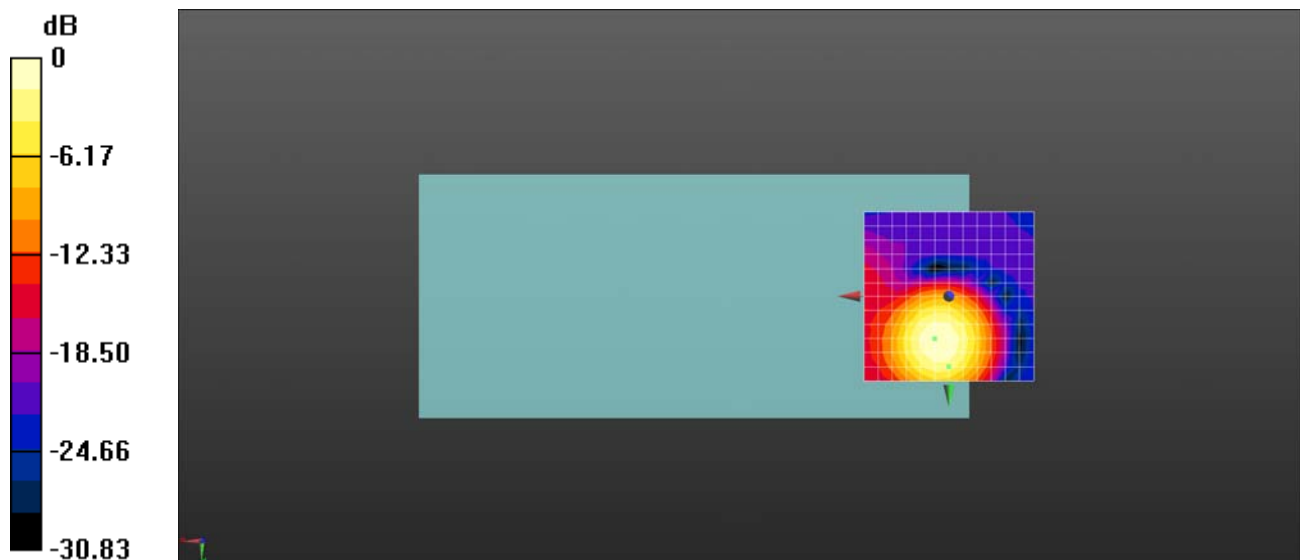
dx=10mm, dy=10mm

ABM1/ABM2 = 29.18 dB

ABM1 comp = -5.31 dBA/m

BWC Factor = 0.03 dB

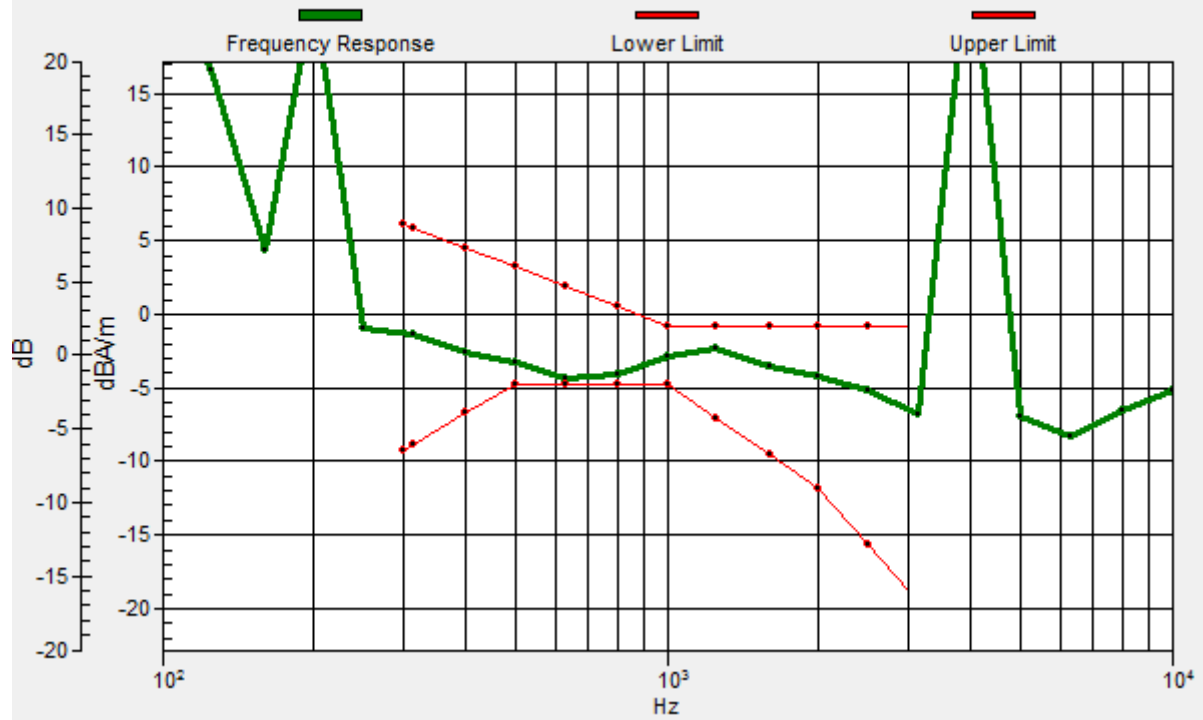
Location: 0, 20.8, 3.7 mm



0 dB = 28.78 = 29.18 dB

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

Loc: 0, 20.8, 3.7 mm Diff: 0.37dB



### HAC\_T-Coil\_LTE Band 26\_15MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch26865\_Y

Communication System: UID 10181 - CAB, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK);  
Frequency: 831.5 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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

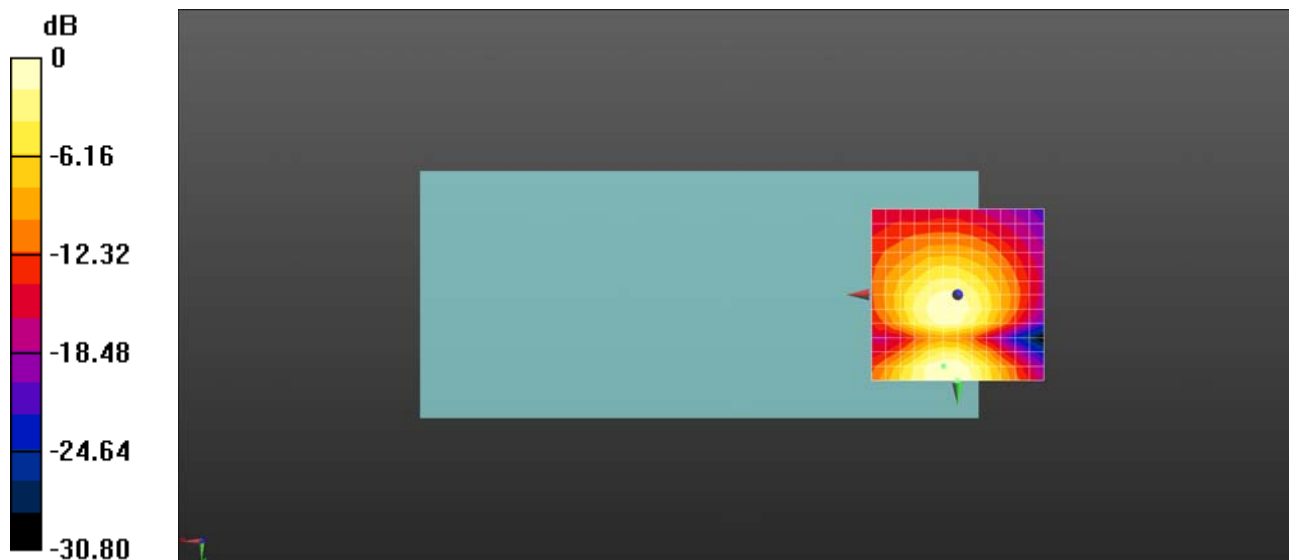
dx=10mm, dy=10mm

ABM1/ABM2 = 28.77 dB

ABM1 comp = -9.17 dBA/m

BWC Factor = 0.03 dB

Location: 0, 25, 3.7 mm



### HAC\_T-Coil\_LTE Band 41\_20MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch40620\_Z

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

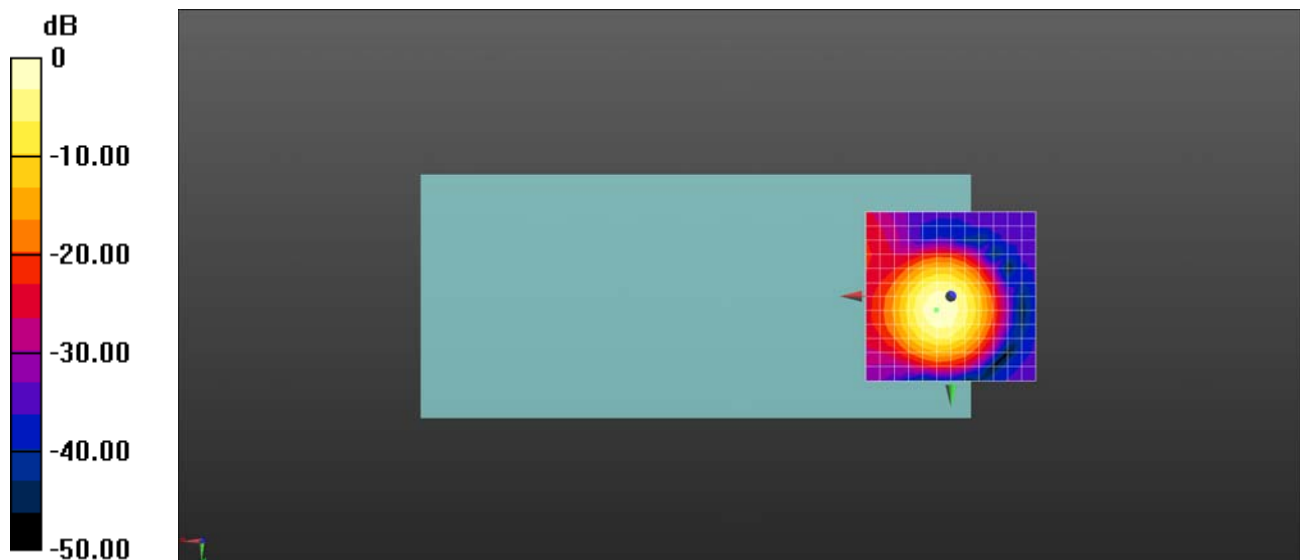
dx=10mm, dy=10mm

ABM1/ABM2 = 38.70 dB

ABM1 comp = -2.32 dBA/m

BWC Factor = 0.03 dB

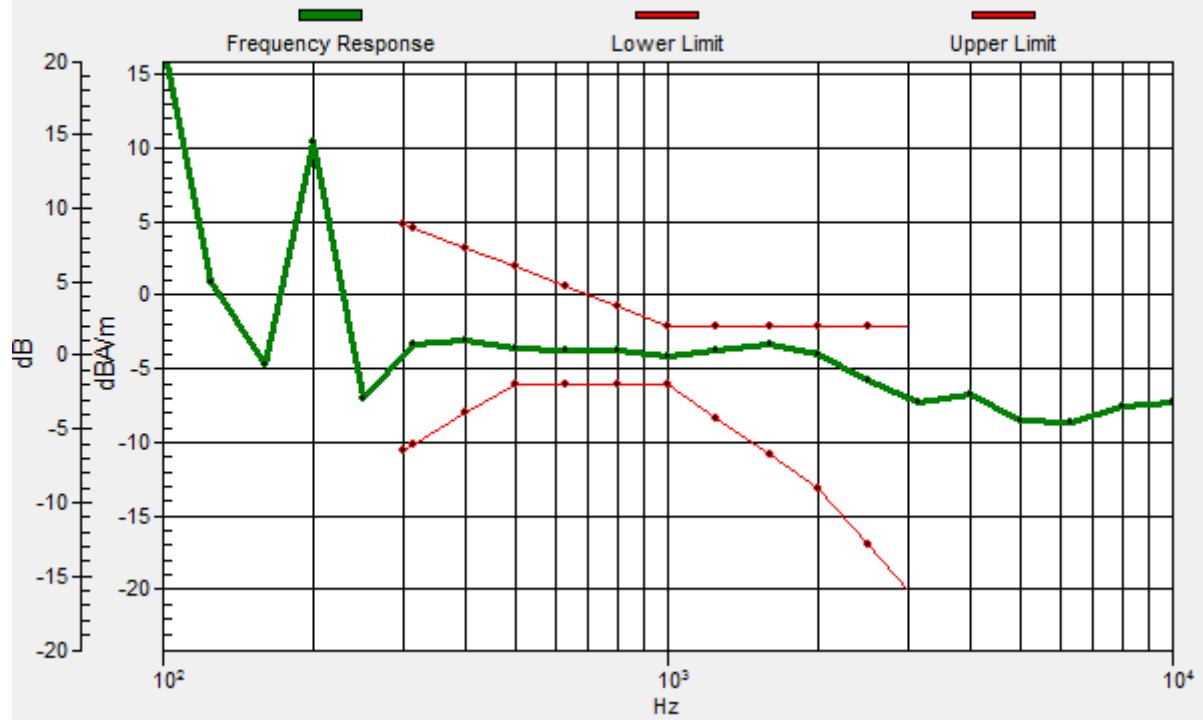
Location: 4.2, 4.2, 3.7 mm



0 dB = 86.15 = 38.71 dB

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

Loc: 4.2, 4.2, 3.7 mm Diff: 1.19dB



### HAC\_T-Coil\_LTE Band 41\_20MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch40620\_Y

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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: AM1DV2 - 1048; ; Calibrated: 2024.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

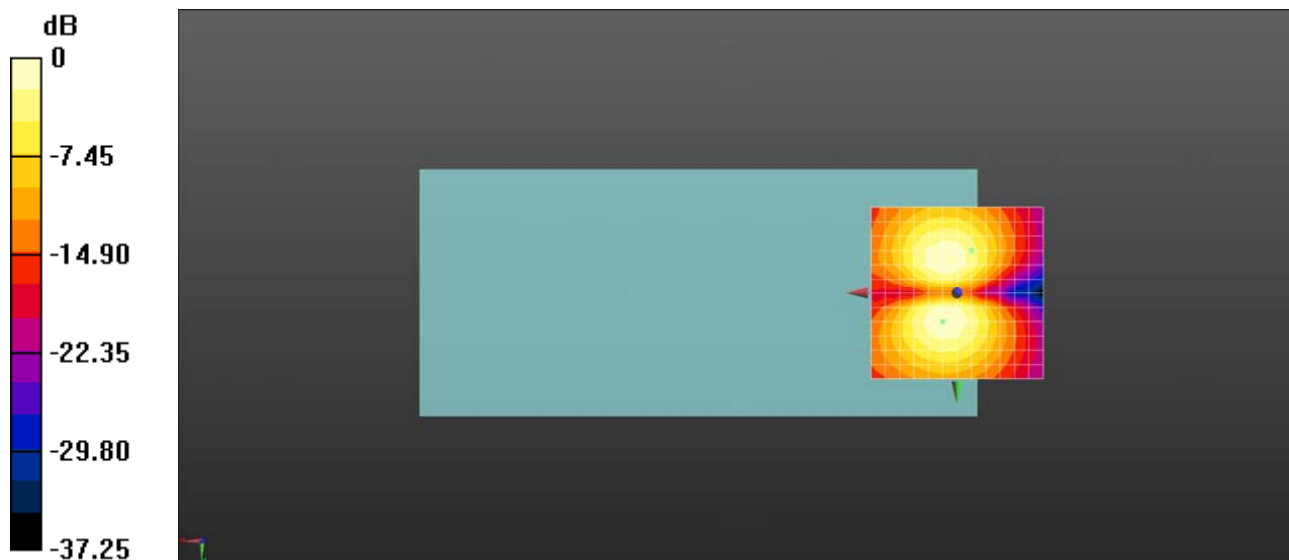
dx=10mm, dy=10mm

ABM1/ABM2 = 27.37 dB

ABM1 comp = -12.80 dBA/m

BWC Factor = 0.03 dB

Location: -4.2, -12.5, 3.7 mm



0 dB = 23.36 = 27.37 dB



### HAC\_T-Coil\_LTE Band 66\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

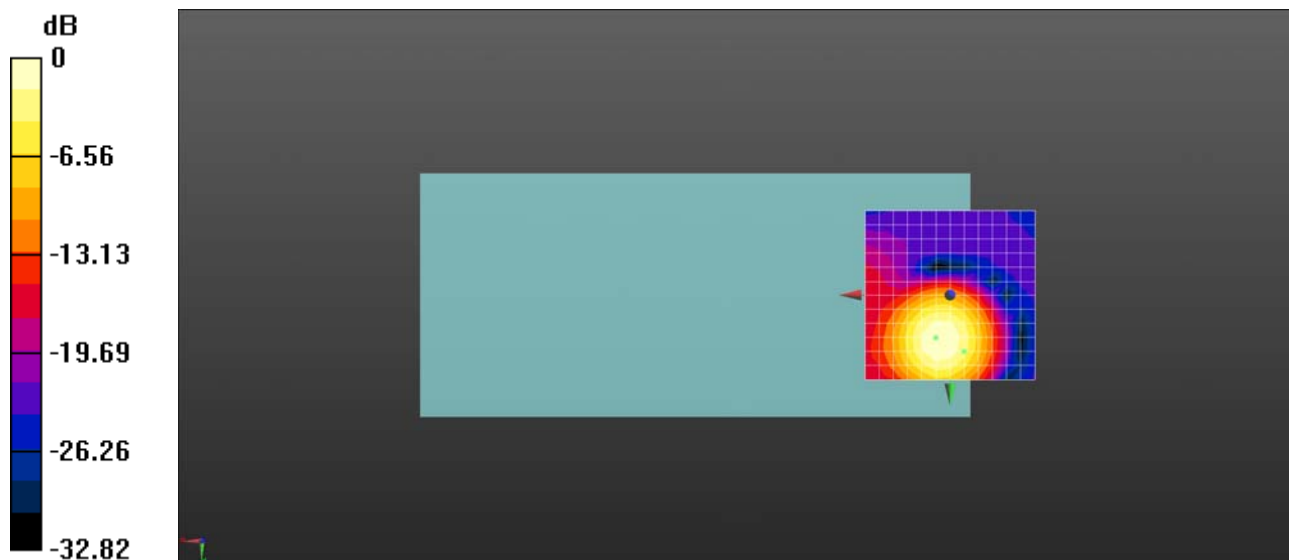
dx=10mm, dy=10mm

ABM1/ABM2 = 29.68 dB

ABM1 comp = -5.67 dBA/m

BWC Factor = 0.02 dB

Location: -4.2, 16.7, 3.7 mm



0 dB = 30.48 = 29.68 dB

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

Loc: -4.2, 16.7, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_LTE Band 66\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

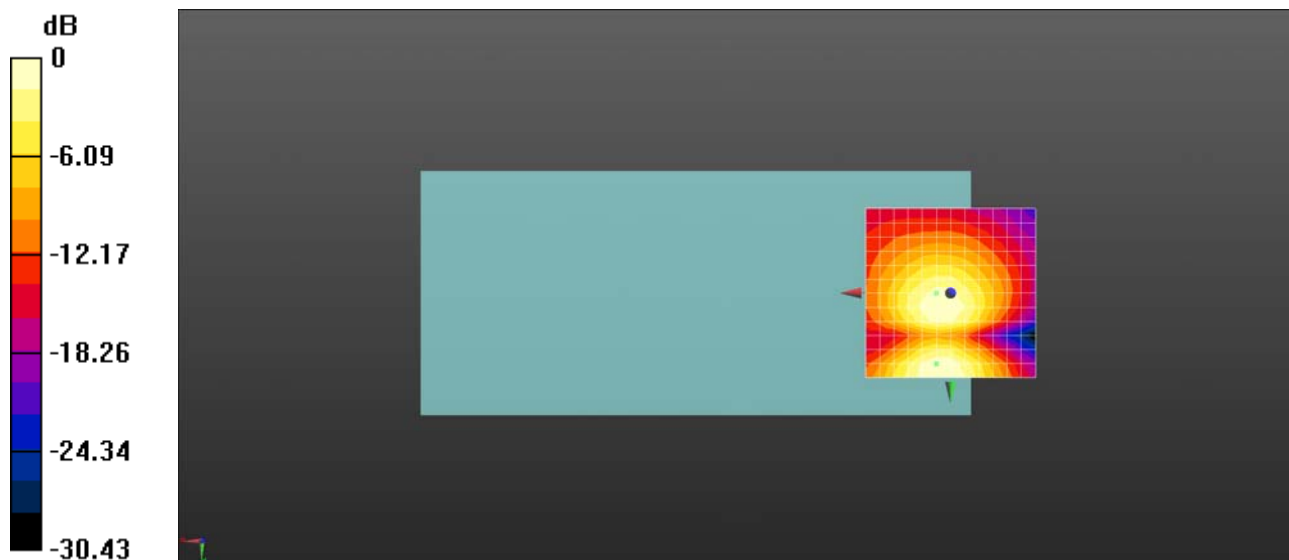
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 28.74 dB

ABM1 comp = -10.45 dBA/m

BWC Factor = 0.02 dB

Location: 4.2, 0, 3.7 mm



0 dB = 27.34 = 28.74 dB

### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11b 1Mbps\_AMR 4.75Kbps\_Ch6\_Z

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle); Frequency: 2437 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

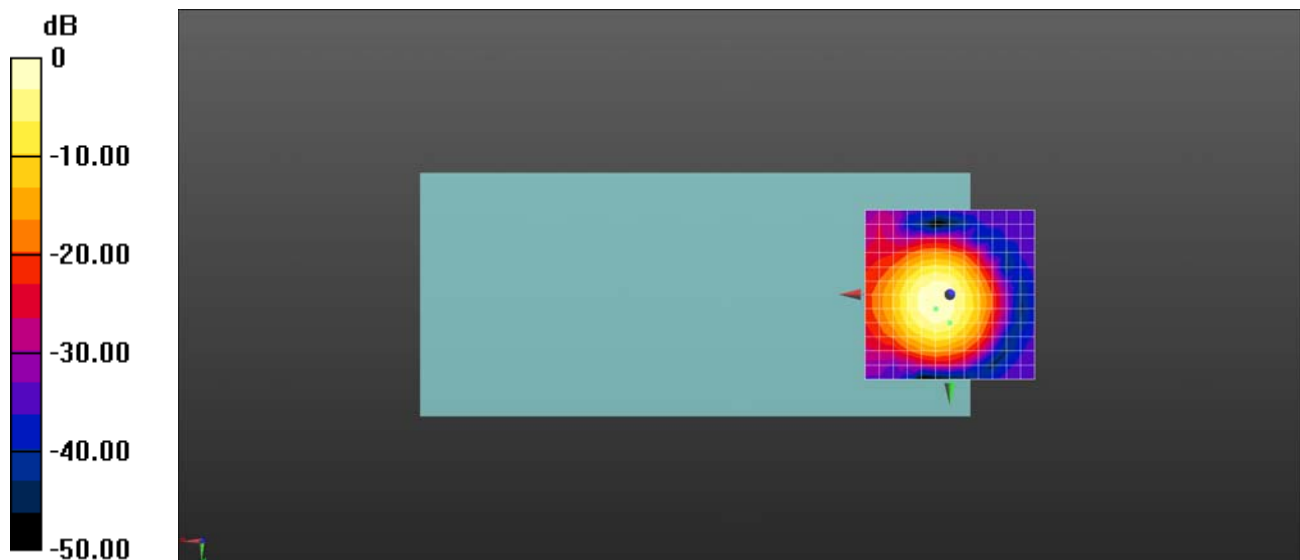
**Ch6/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.56 dB

ABM1 comp = -5.47 dBA/m

BWC Factor = 0.03 dB

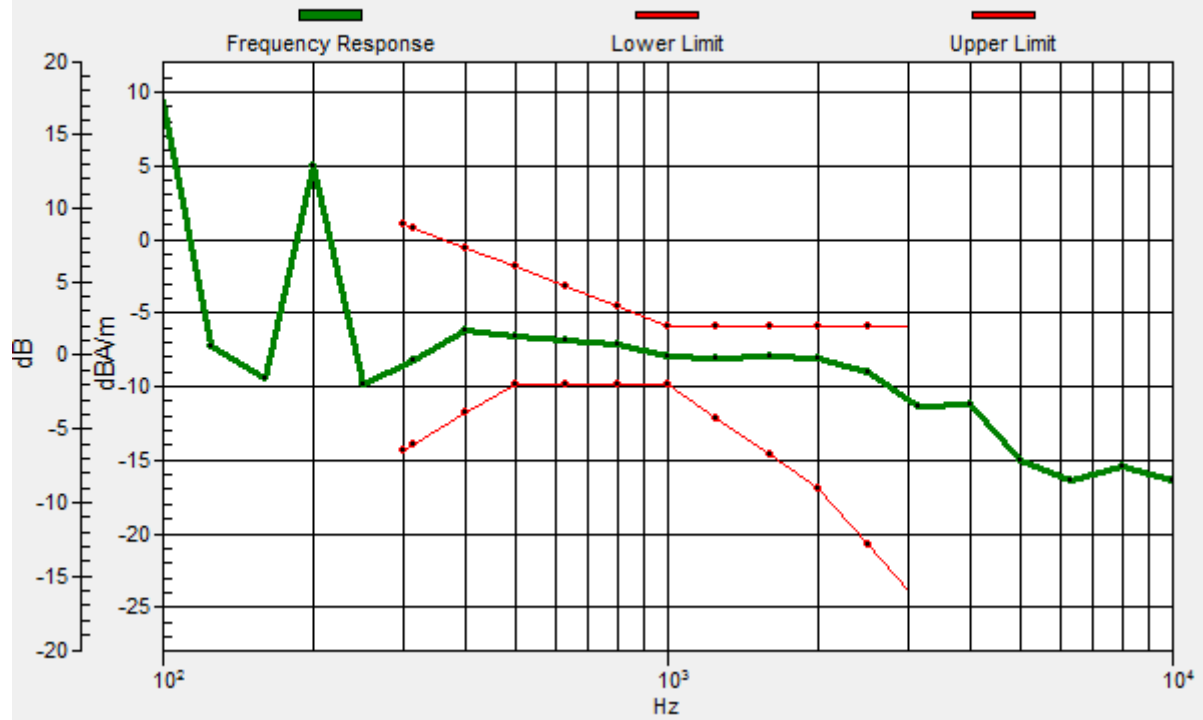
Location: 0, 8.3, 3.7 mm



0 dB = 238.7 = 47.56 dB

# Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 8.3, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11b 1Mbps\_AMR 4.75Kbps\_Ch6\_Y

Communication System: UID 10415 - AAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle); Frequency: 2437 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch6/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

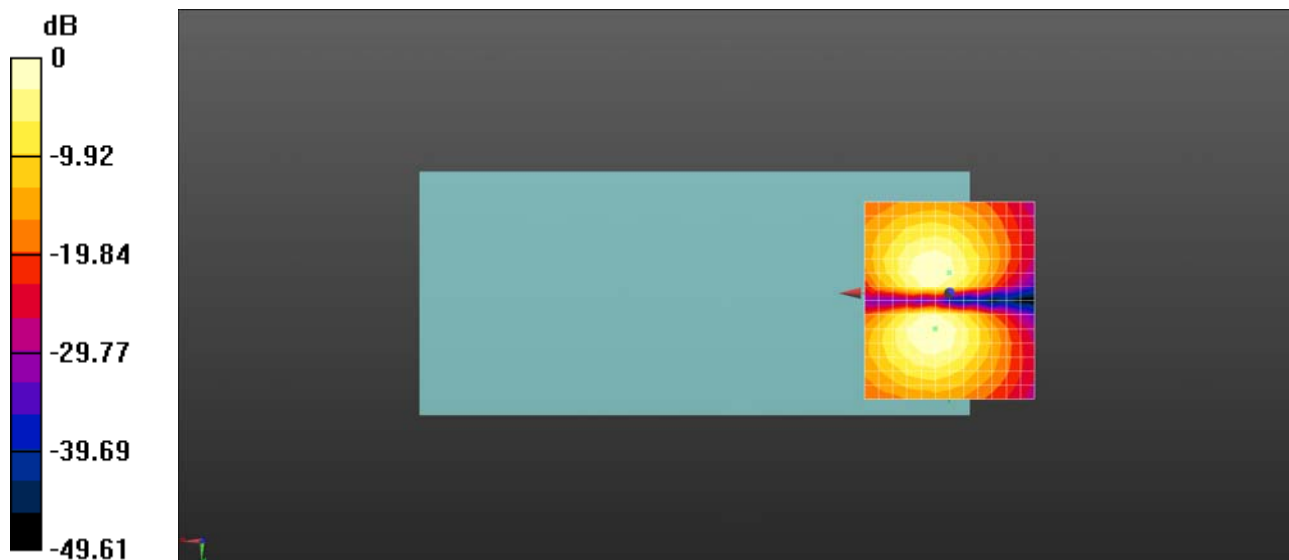
dx=10mm, dy=10mm

ABM1/ABM2 = 36.59 dB

ABM1 comp = -9.54 dBA/m

BWC Factor = 0.03 dB

Location: 0, -6.2, 3.7 mm



0 dB = 67.50 = 36.59 dB

### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11g 6Mbps\_AMR 4.75Kbps\_Ch6\_Z

Communication System: UID 10419 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble); Frequency: 2437 MHz; Duty Cycle: 1:6.59174

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

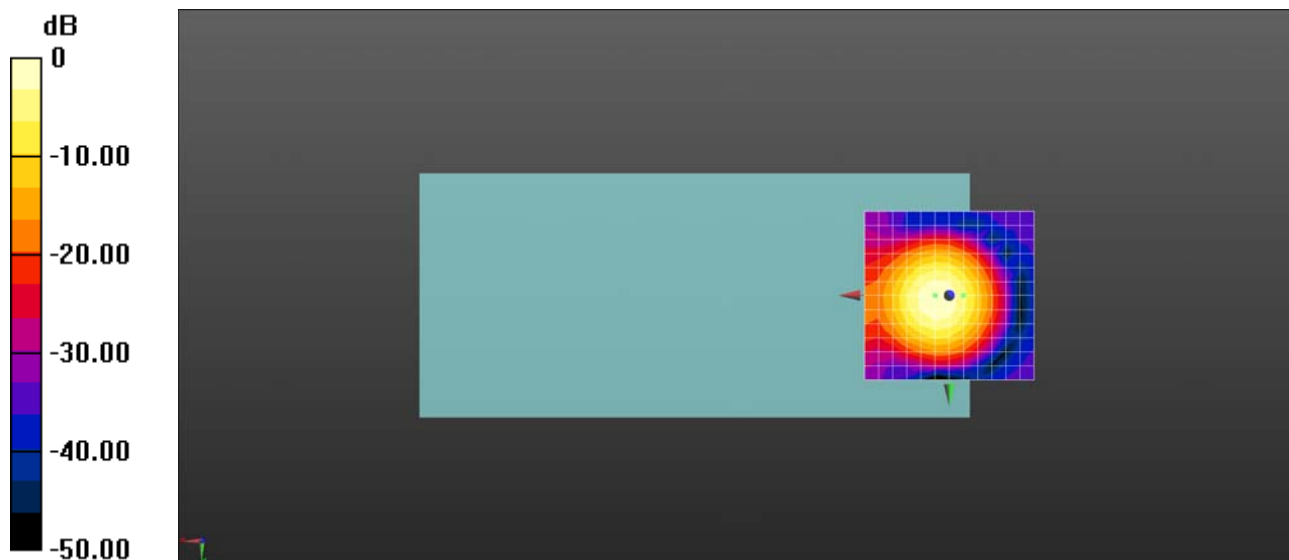
**Ch6/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.56 dB

ABM1 comp = -6.95 dBA/m

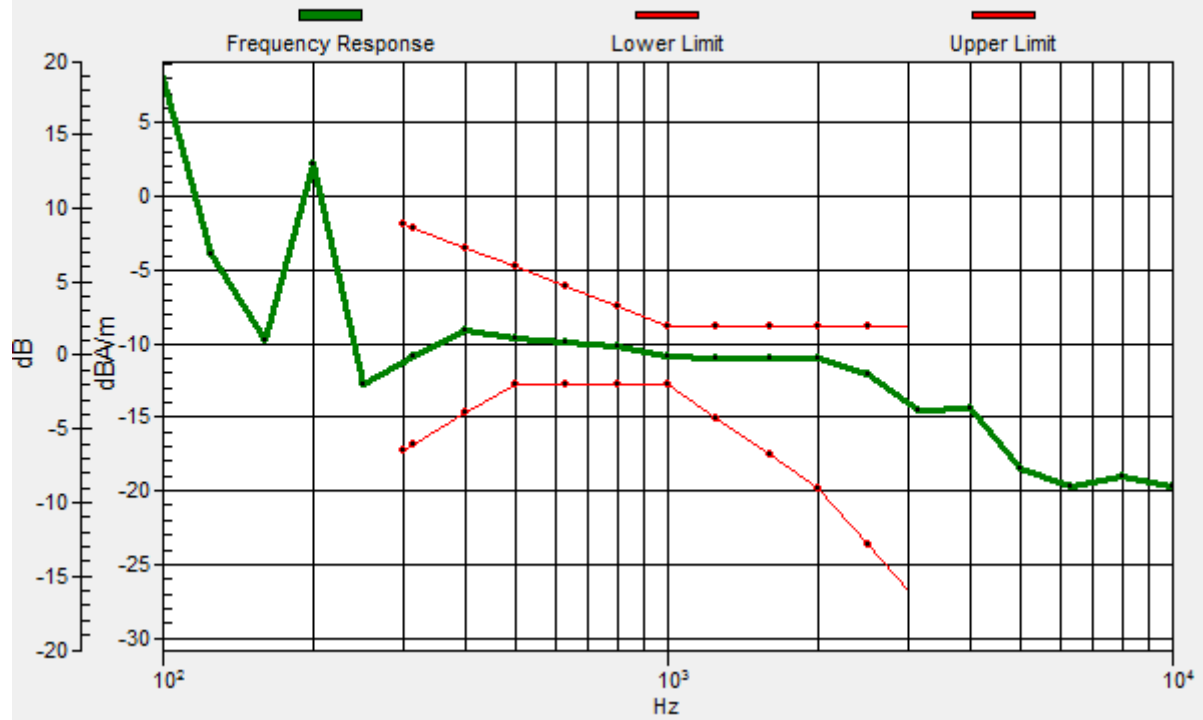
BWC Factor = 0.01 dB

Location: -4.2, 0, 3.7 mm



# Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 0, 3.7 mm Diff: 2dB





### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11g 6Mbps\_AMR 4.75Kbps\_Ch6\_Y

Communication System: UID 10419 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble); Frequency: 2437 MHz; Duty Cycle: 1:6.59174

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch6/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

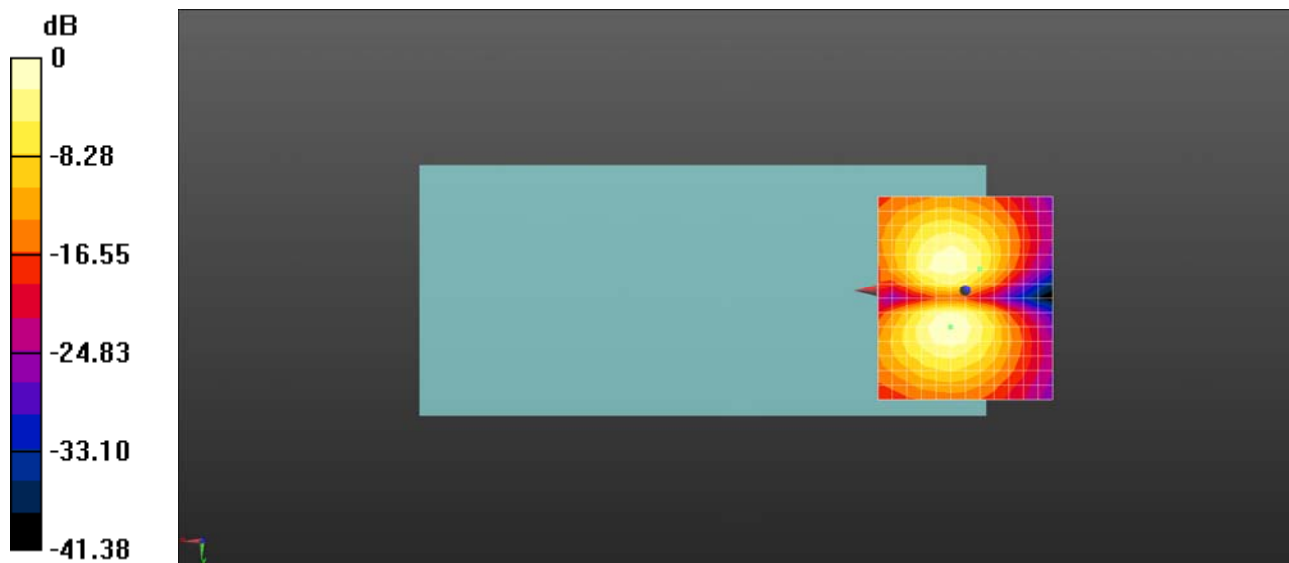
dx=10mm, dy=10mm

ABM1/ABM2 = 35.61 dB

ABM1 comp = -13.52 dBA/m

BWC Factor = 0.01 dB

Location: -4.2, -6.2, 3.7 mm



0 dB = 60.31 = 35.61 dB

### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11n20 MCS 0\_AMR 4.75Kbps\_Ch6\_Z

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);  
Frequency: 2437 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

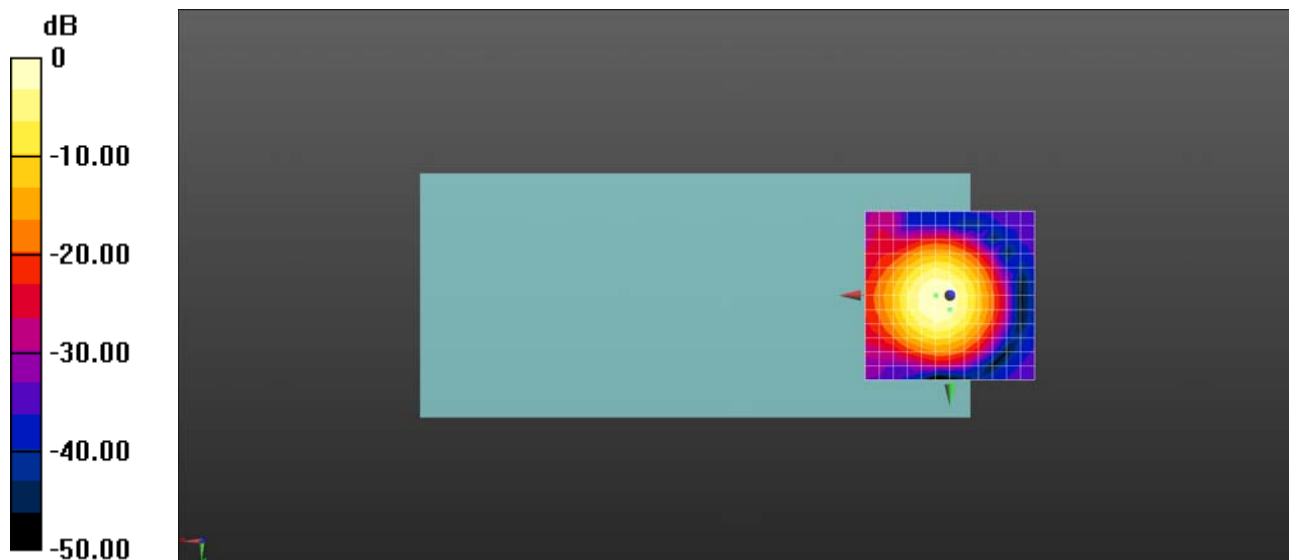
**Ch6/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 48.29 dB

ABM1 comp = -3.48 dBA/m

BWC Factor = 0.01 dB

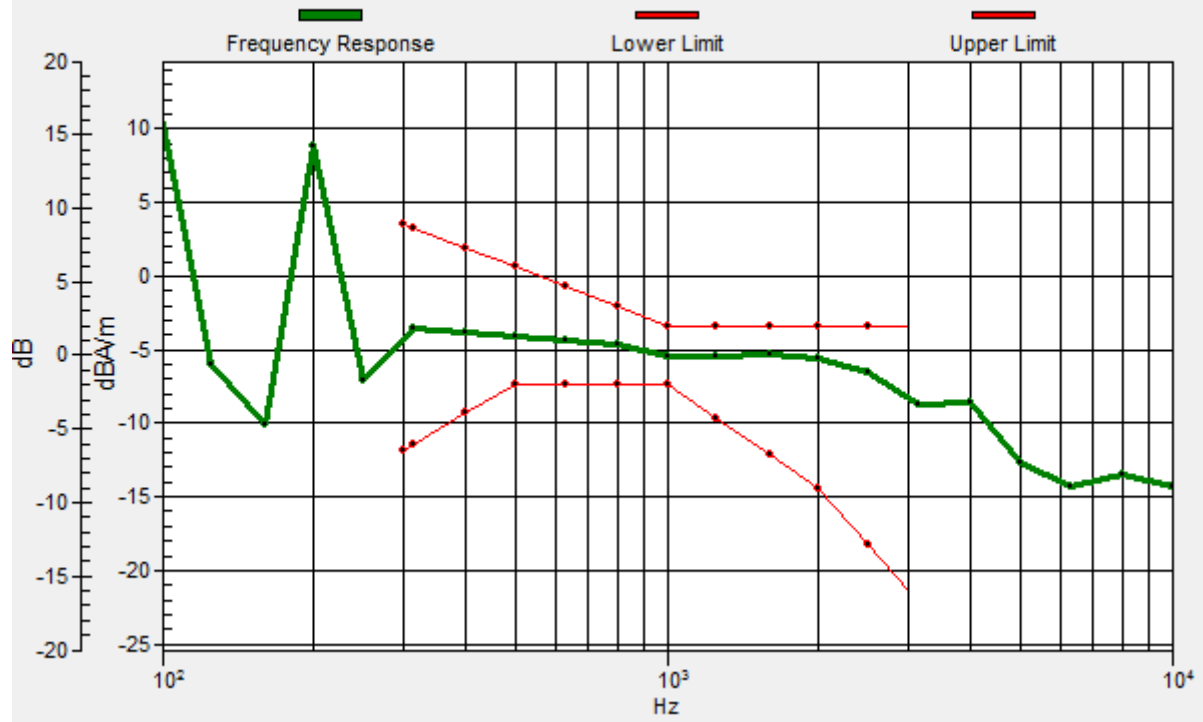
Location: 0, 4.2, 3.7 mm



0 dB = 259.7 = 48.29 dB

# Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 4.2, 3.7 mm Diff: 1.99dB



### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11n20 MCS 0\_AMR 4.75Kbps\_Ch6\_Y

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);  
Frequency: 2437 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch6/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

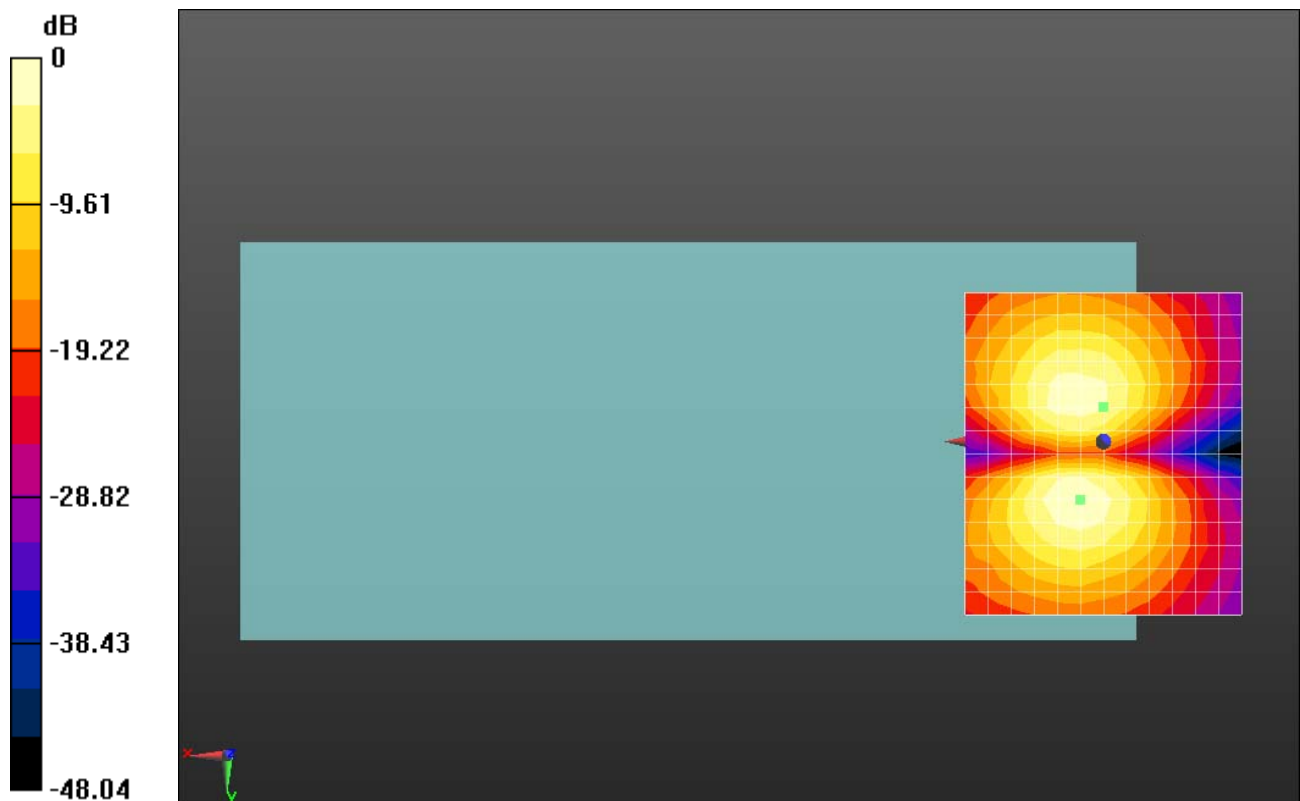
dx=10mm, dy=10mm

ABM1/ABM2 = 38.44 dB

ABM1 comp = -10.10 dBA/m

BWC Factor = 0.01 dB

Location: 0, -6.2, 3.7 mm



0 dB = 83.61 = 38.45 dB

### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11n40 MCS 0\_AMR 4.75Kbps\_Ch6\_Z

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);  
Frequency: 2437 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

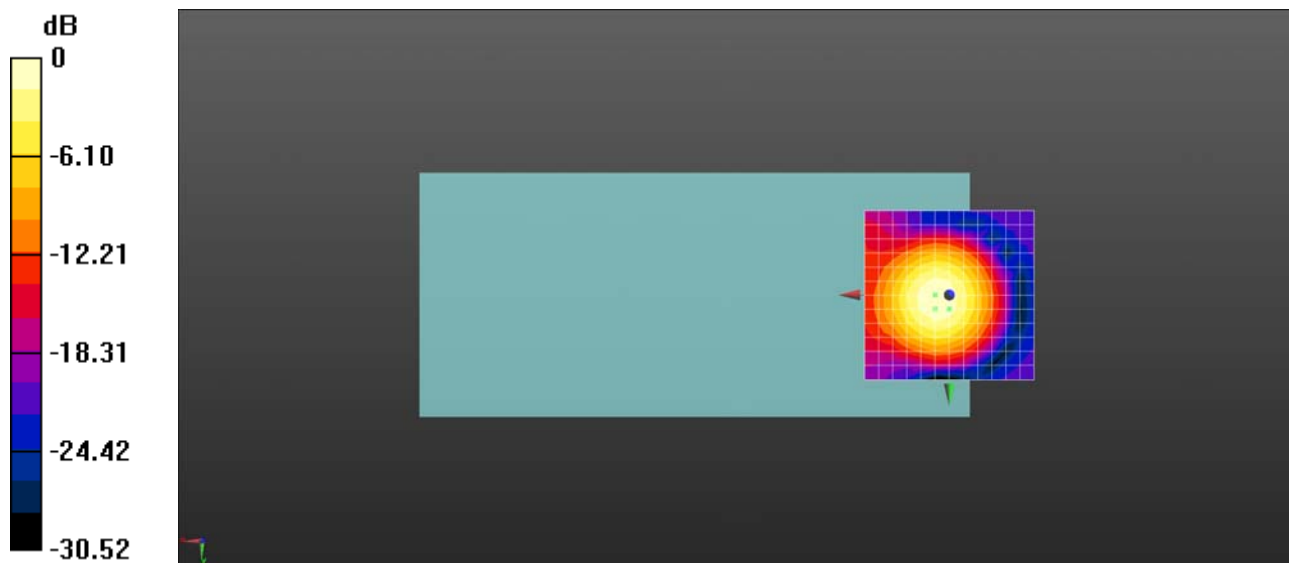
**Ch6/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 25.46 dB

ABM1 comp = -2.64 dBA/m

BWC Factor = 0.02 dB

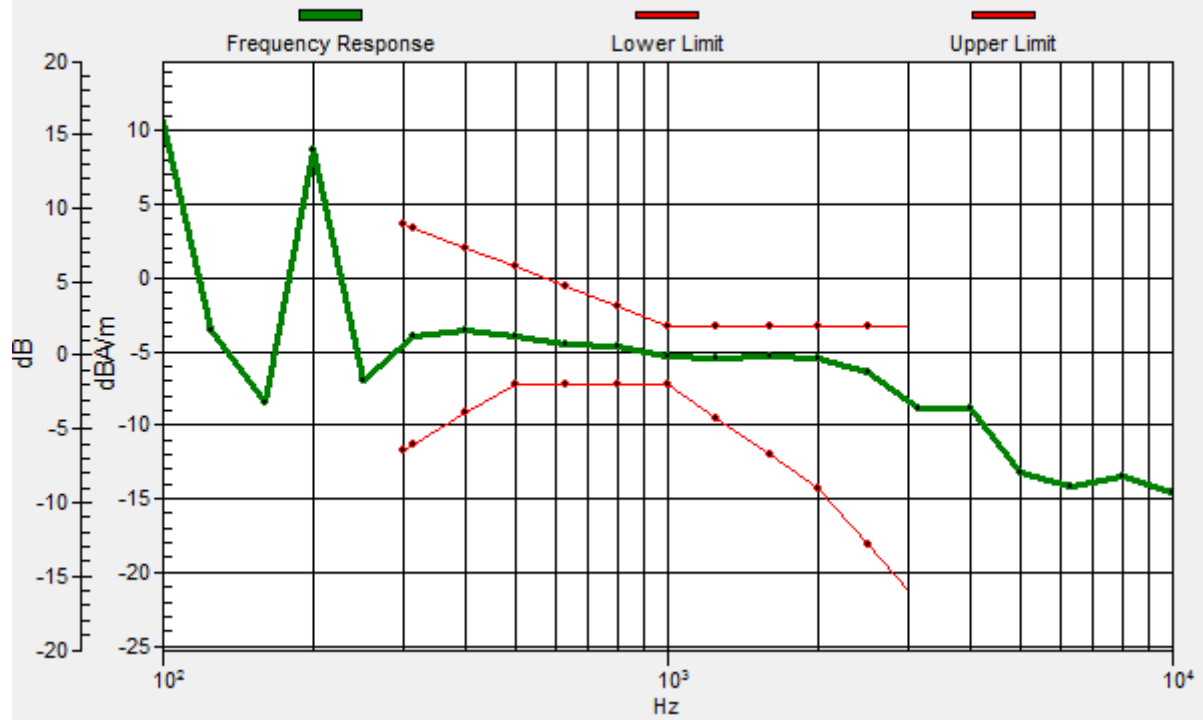
Location: 4.2, 4.2, 3.7 mm



0 dB = 18.75 = 25.46 dB

# Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 4.2, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_VoWiFi 2.4GHz\_802.11n40 MCS 0\_AMR 4.75Kbps\_Ch6\_Y

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);  
Frequency: 2437 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch6/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

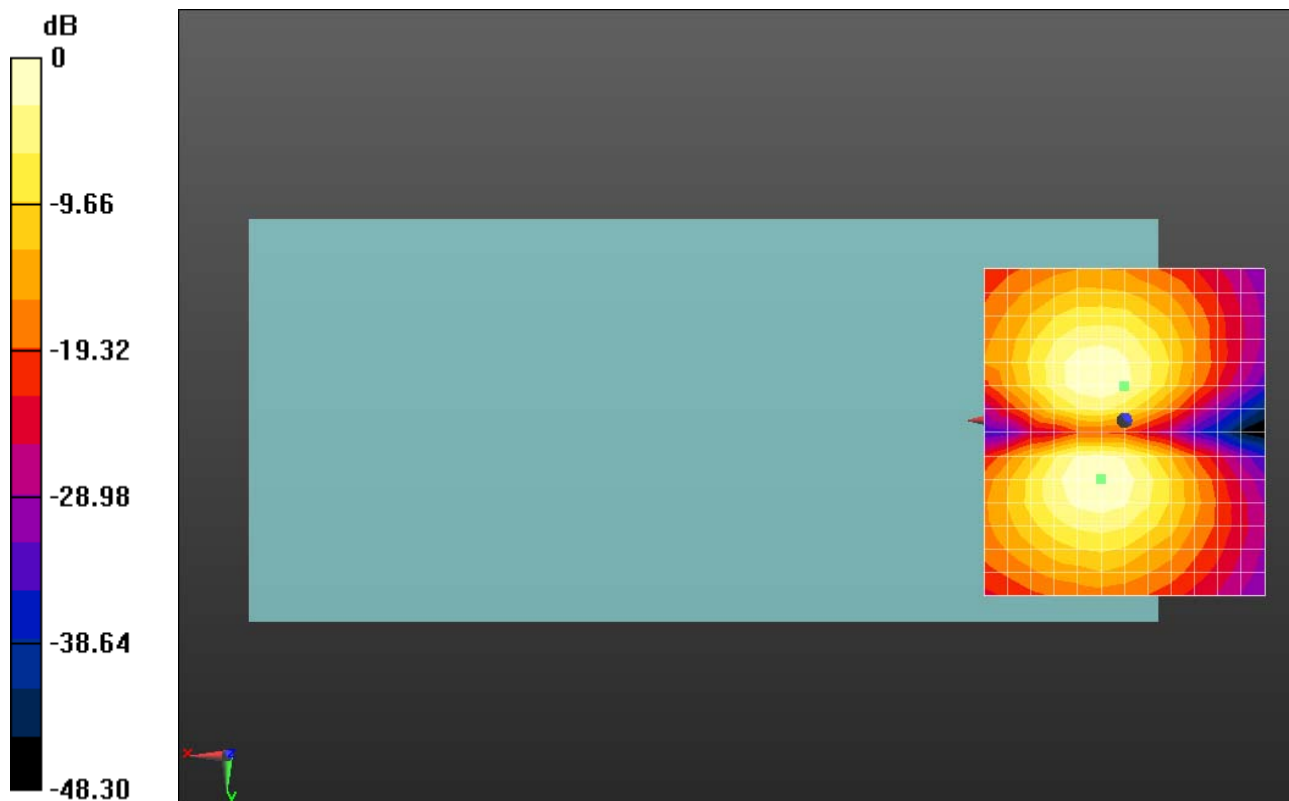
dx=10mm, dy=10mm

ABM1/ABM2 = 37.94 dB

ABM1 comp = -10.08 dBA/m

BWC Factor = 0.02 dB

Location: 0, -6.2, 3.7 mm



0 dB = 78.84 = 37.93 dB

### 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

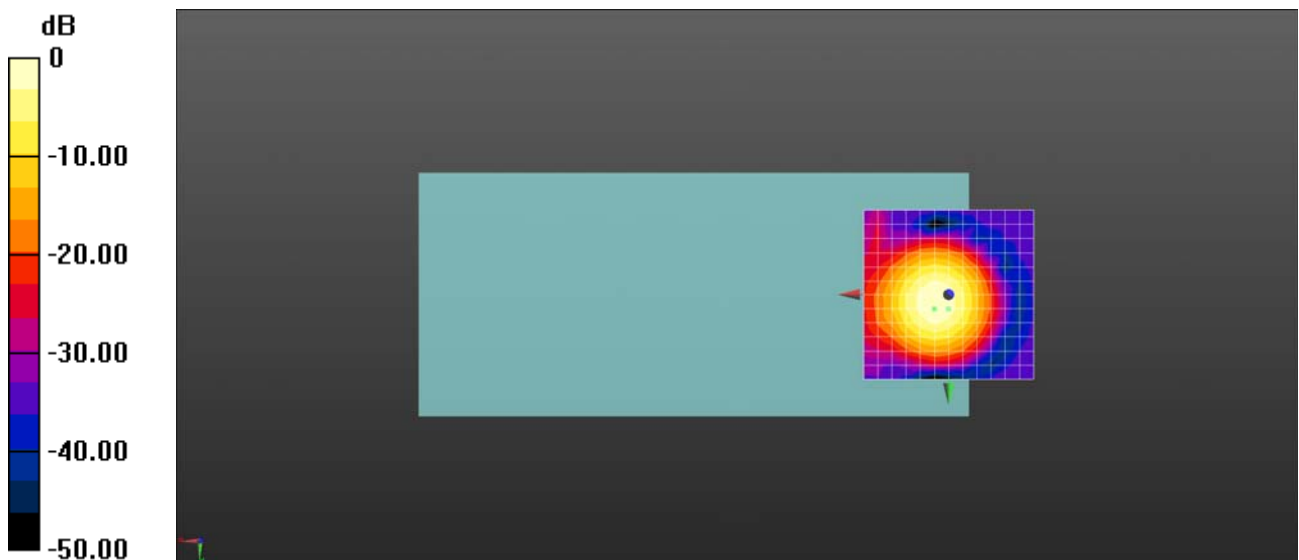
**Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 50.85 dB

ABM1 comp = -2.63 dBA/m

BWC Factor = 0.02 dB

Location: 0, 4.2, 3.7 mm

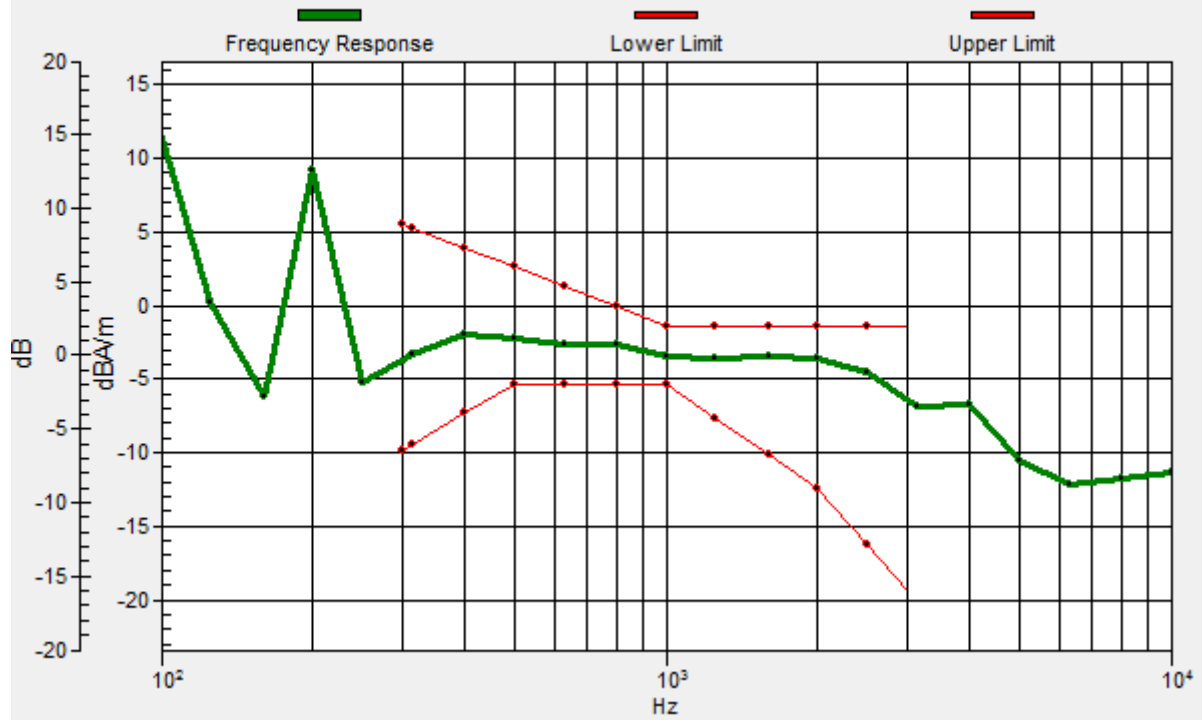


0 dB = 348.7 = 50.85 dB



# Ch44/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, 4.2, 3.7 mm Diff: 2dB



### 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

### T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/Ch44/y (transversal)

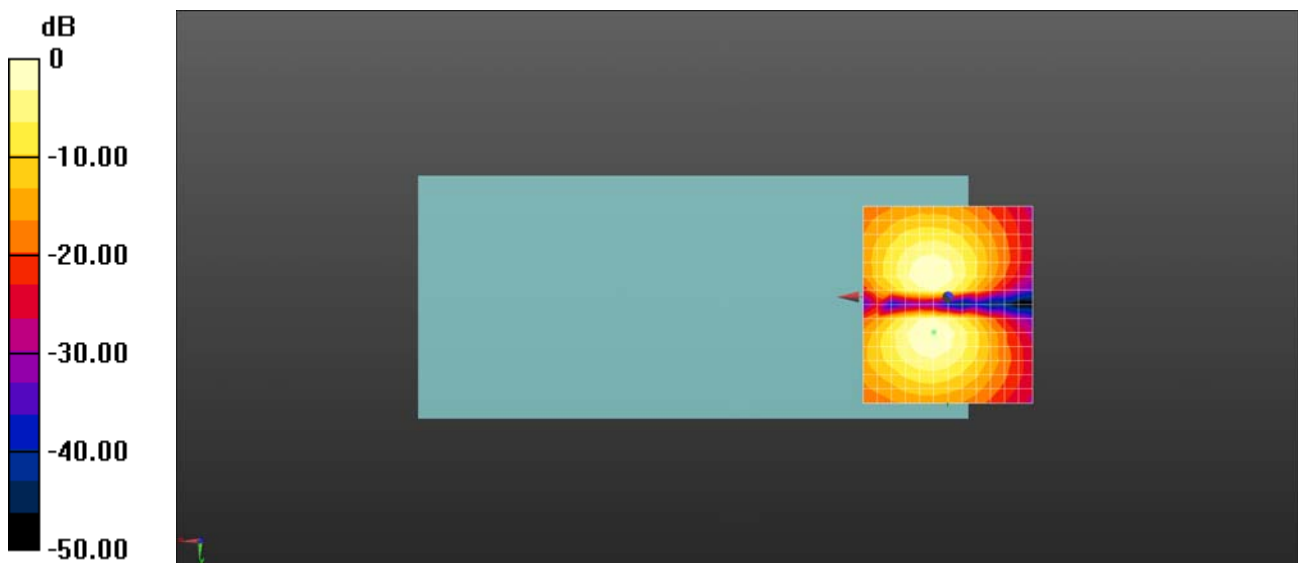
**4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.89 dB

ABM1 comp = -7.33 dBA/m

BWC Factor = 0.02 dB

Location: 4.2, 10.5, 3.7 mm



0 dB = 88.00 = 38.89 dB

### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT20 MCS 0\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

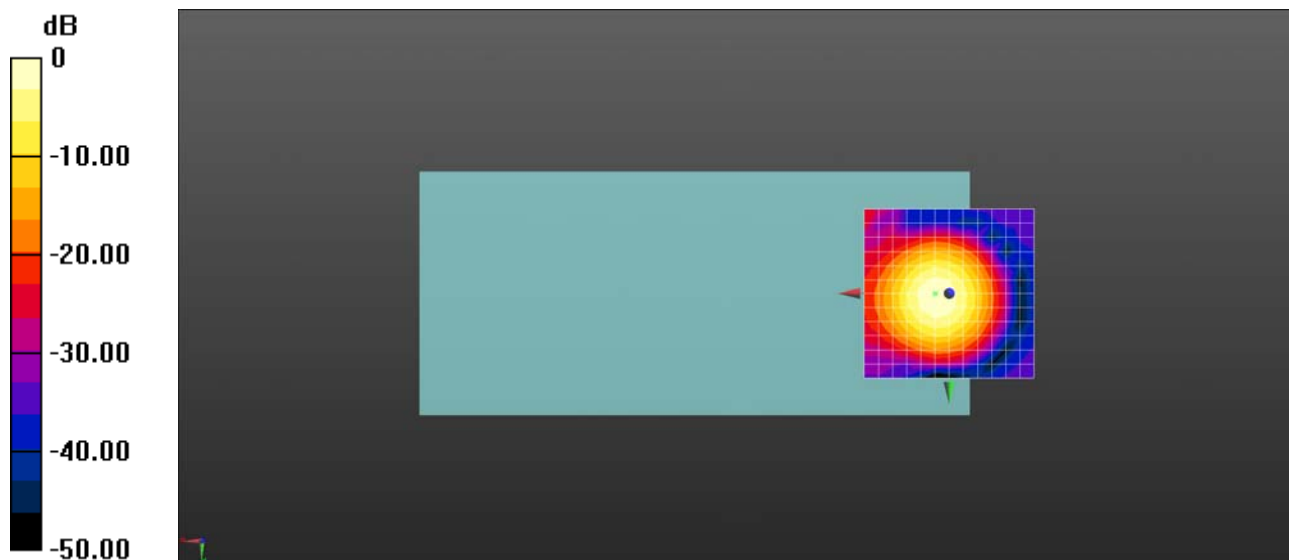
**Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 49.62 dB

ABM1 comp = -3.06 dBA/m

BWC Factor = 0.01 dB

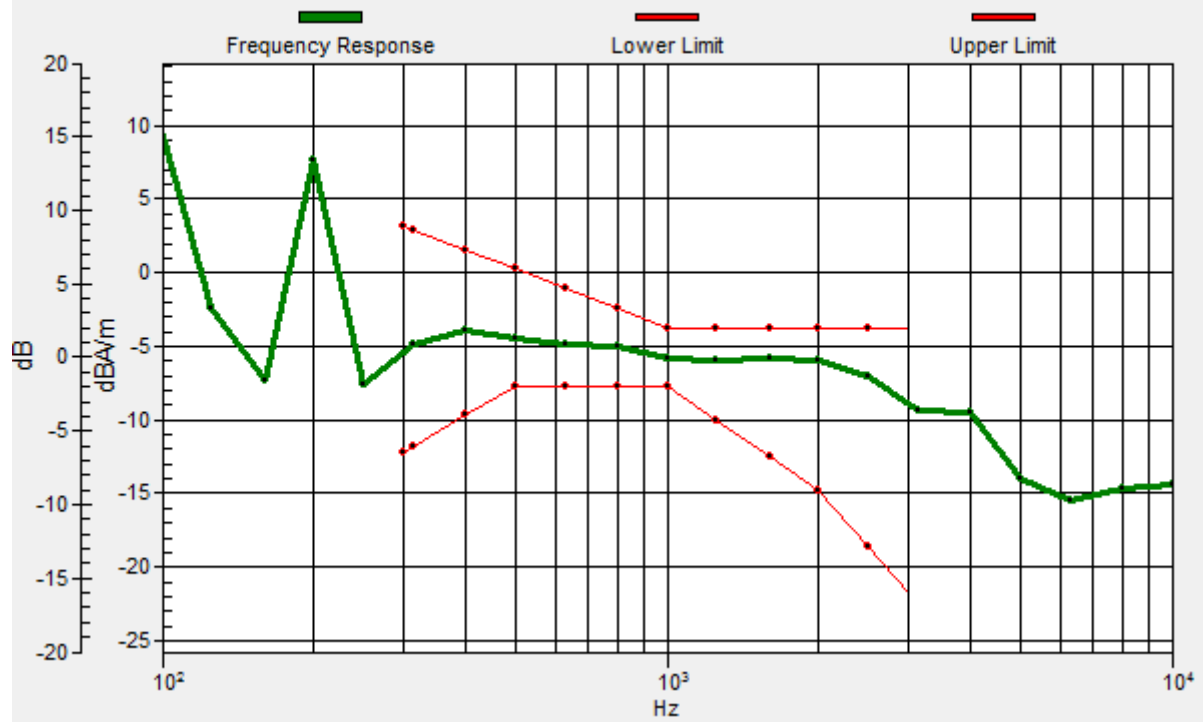
Location: 0, 0, 3.7 mm



0 dB = 302.8 = 49.62 dB

# Ch44/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n20 MCS 0\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch44/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

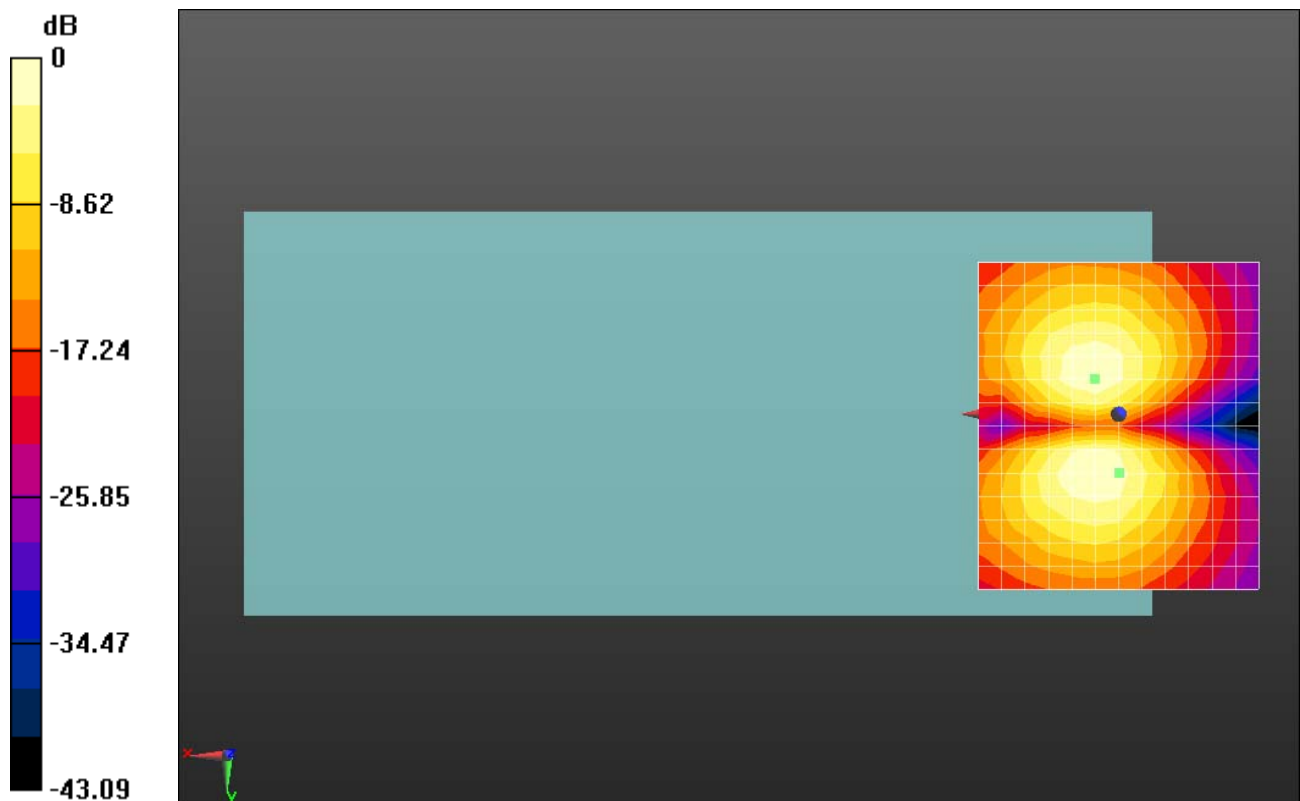
dx=10mm, dy=10mm

ABM1/ABM2 = 39.27 dB

ABM1 comp = -9.40 dBA/m

BWC Factor = 0.01 dB

Location: 0, 10.5, 3.7 mm



0 dB = 91.90 = 39.27 dB

### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT40 MCS 0\_AMR 4.75Kbps\_Ch46\_Z

Communication System: UID 10114 - CAA, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK);  
Frequency: 5230 MHz; Duty Cycle: 1:6.45654

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

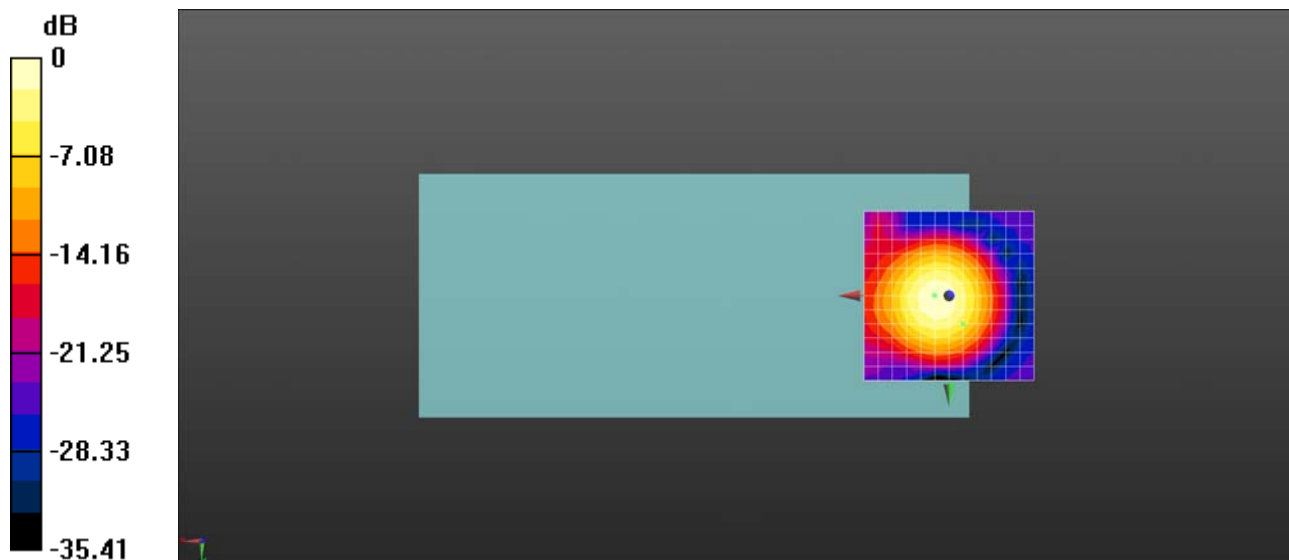
**Ch46/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 25.79 dB

ABM1 comp = -9.91 dBA/m

BWC Factor = 0.01 dB

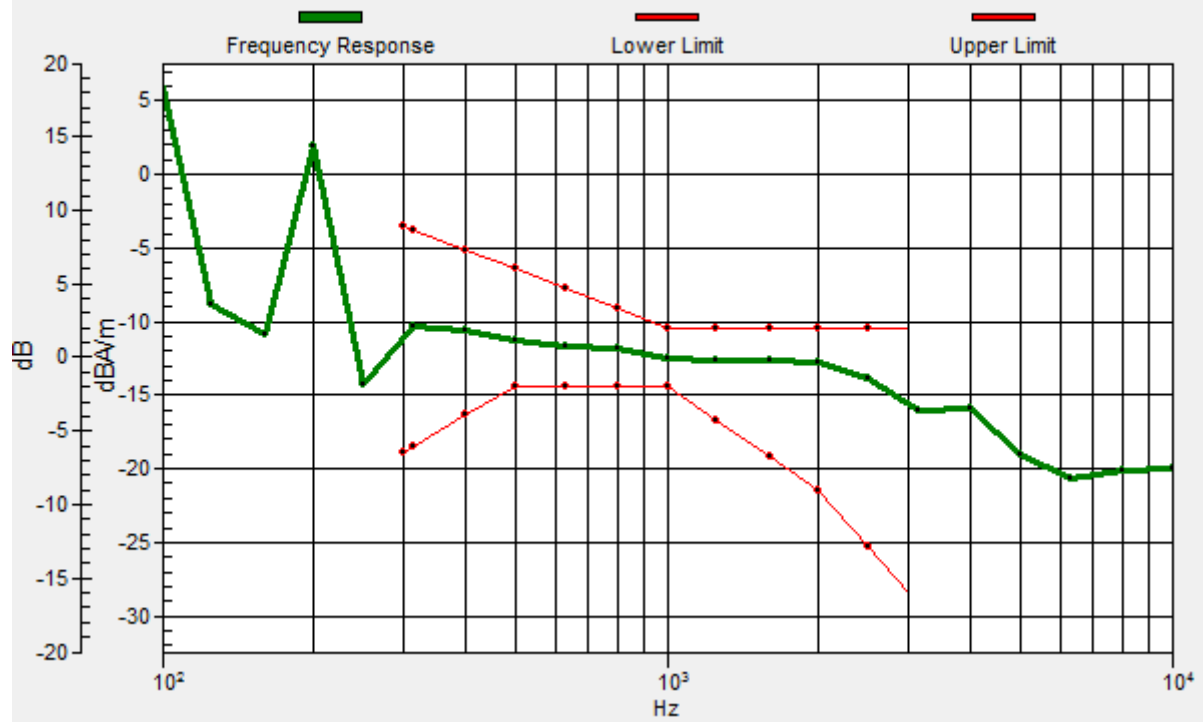
Location: -4.2, 8.3, 3.7 mm



0 dB = 19.49 = 25.80 dB

# Ch46/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 8.3, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11n-HT40 MCS 0\_AMR 4.75Kbps\_Ch46\_Y

Communication System: UID 10114 - CAA, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK);  
Frequency: 5230 MHz; Duty Cycle: 1:6.45654

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: AM1DV2 - 1048; ; Calibrated: 2021.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

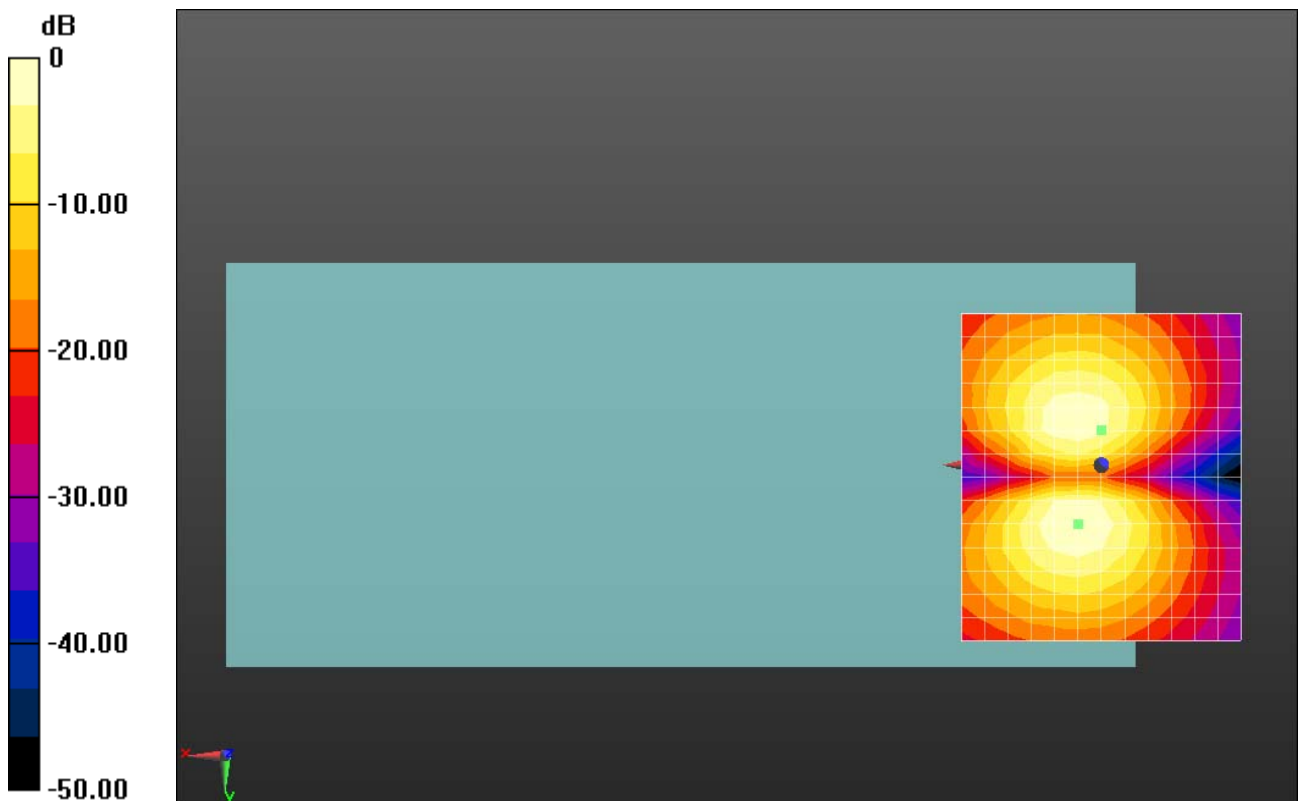
dx=10mm, dy=10mm

ABM1/ABM2 = 40.39 dB

ABM1 comp = -10.13 dBA/m

BWC Factor = 0.01 dB

Location: 0, -6.2, 3.7 mm



0 dB = 104.6 = 40.39 dB



### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT20 MCS 0\_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: AM1DV2 - 1048; ; Calibrated: 2021.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

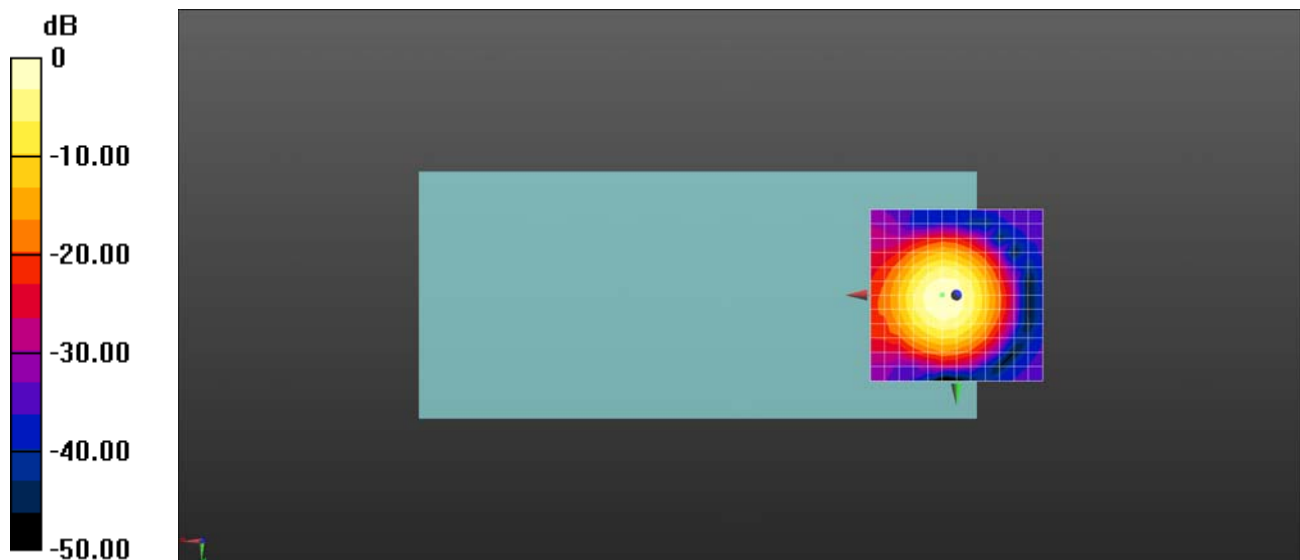
**Ch44/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.52 dB

ABM1 comp = -2.81 dBA/m

BWC Factor = 0.02 dB

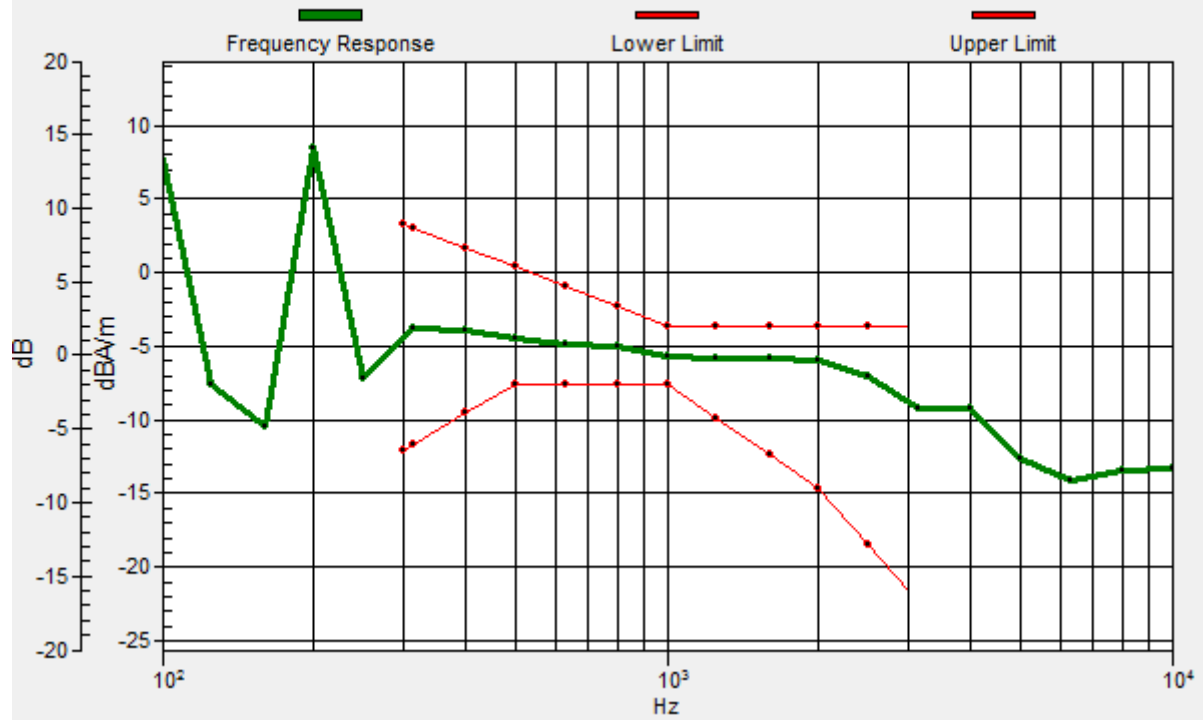
Location: 0, 0, 3.7 mm



0 dB = 237.6 = 47.52 dB

# Ch44/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT20 MCS 0\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch44/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

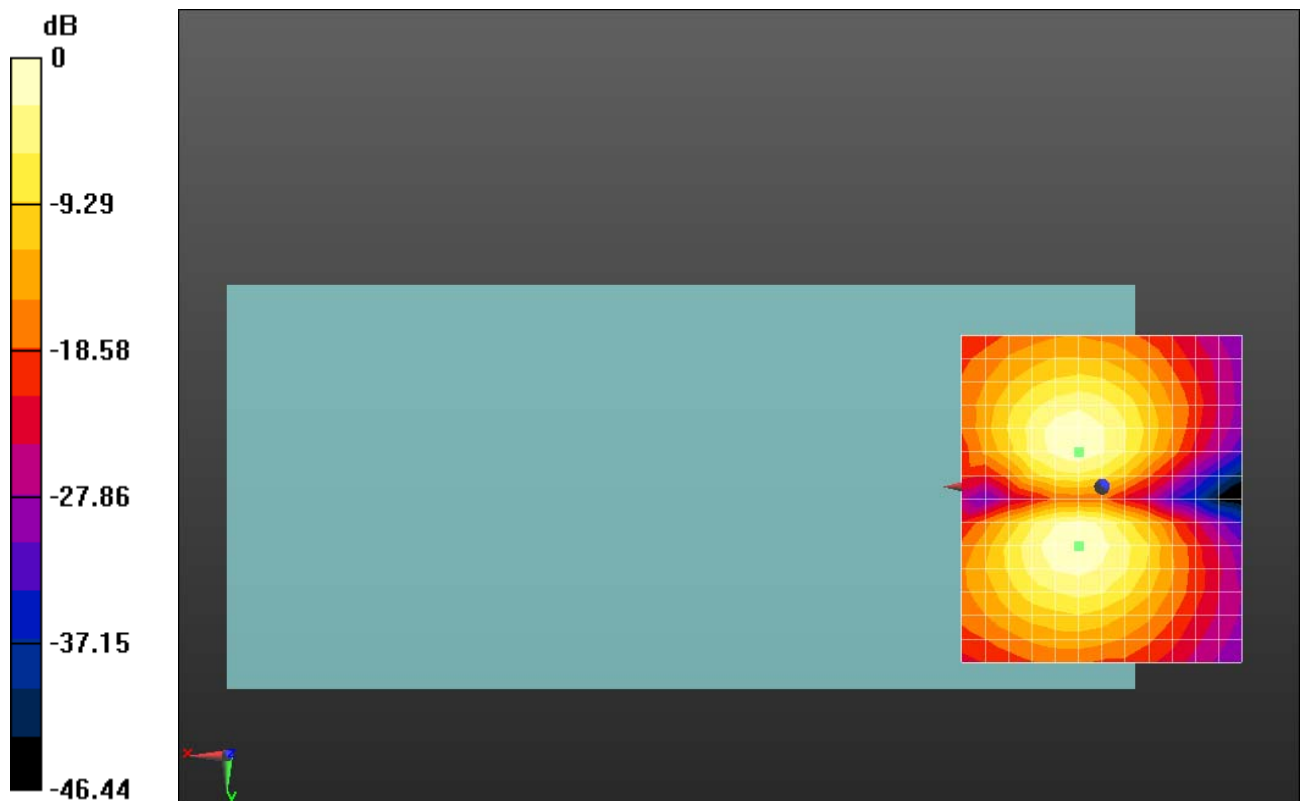
dx=10mm, dy=10mm

ABM1/ABM2 = 39.43 dB

ABM1 comp = -8.41 dBA/m

BWC Factor = 0.02 dB

Location: 4.2, -6.2, 3.7 mm



0 dB = 93.63 = 39.43 dB

### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT40 MCS 0\_AMR 4.75Kbps\_Ch46\_Z

Communication System: UID 10401 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5230 MHz;Duty Cycle: 1:7.24436

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: AM1DV2 - 1048; ; Calibrated: 2021.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

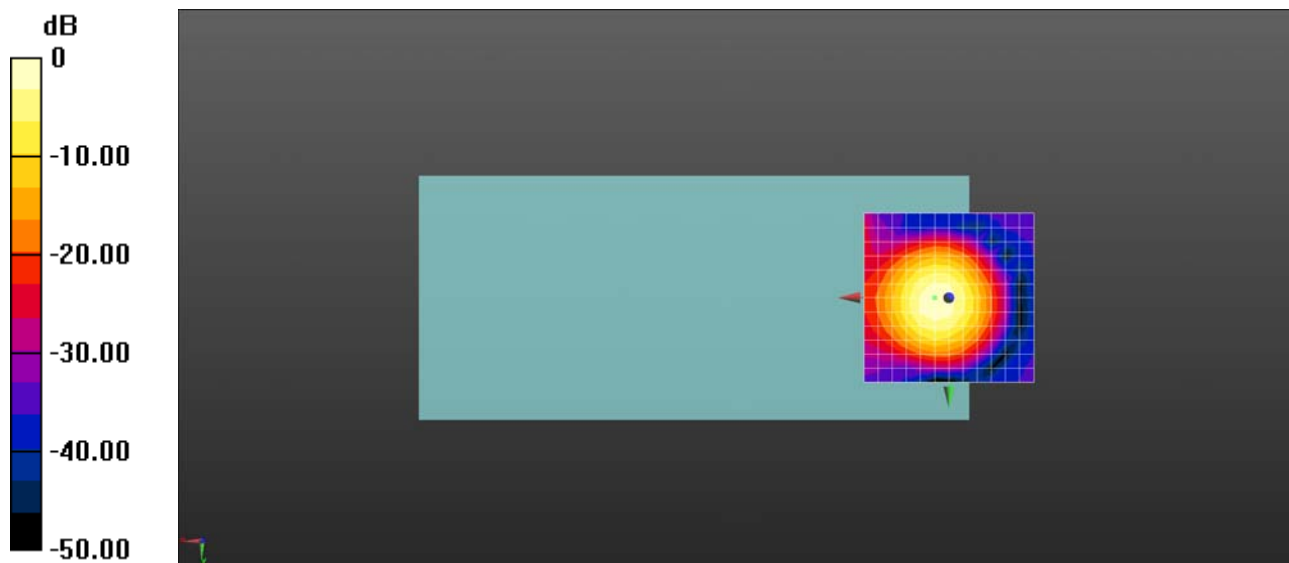
**Ch46/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 49.93 dB

ABM1 comp = -2.37 dBA/m

BWC Factor = 0.0099 dB

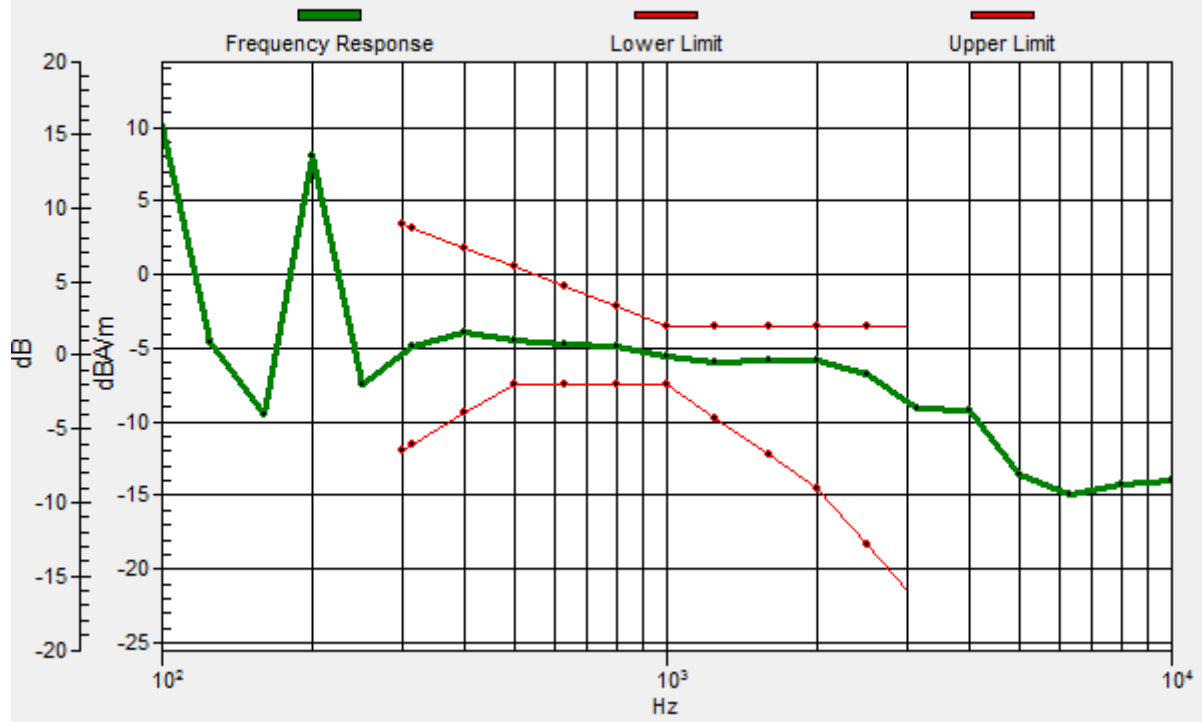
Location: 0, 0, 3.7 mm



0 dB = 313.5 = 49.92 dB

# Ch46/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 2dB



### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT40 MCS 0\_AMR 4.75Kbps\_Ch46\_Y

Communication System: UID 10401 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5230 MHz;Duty Cycle: 1:7.24436

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

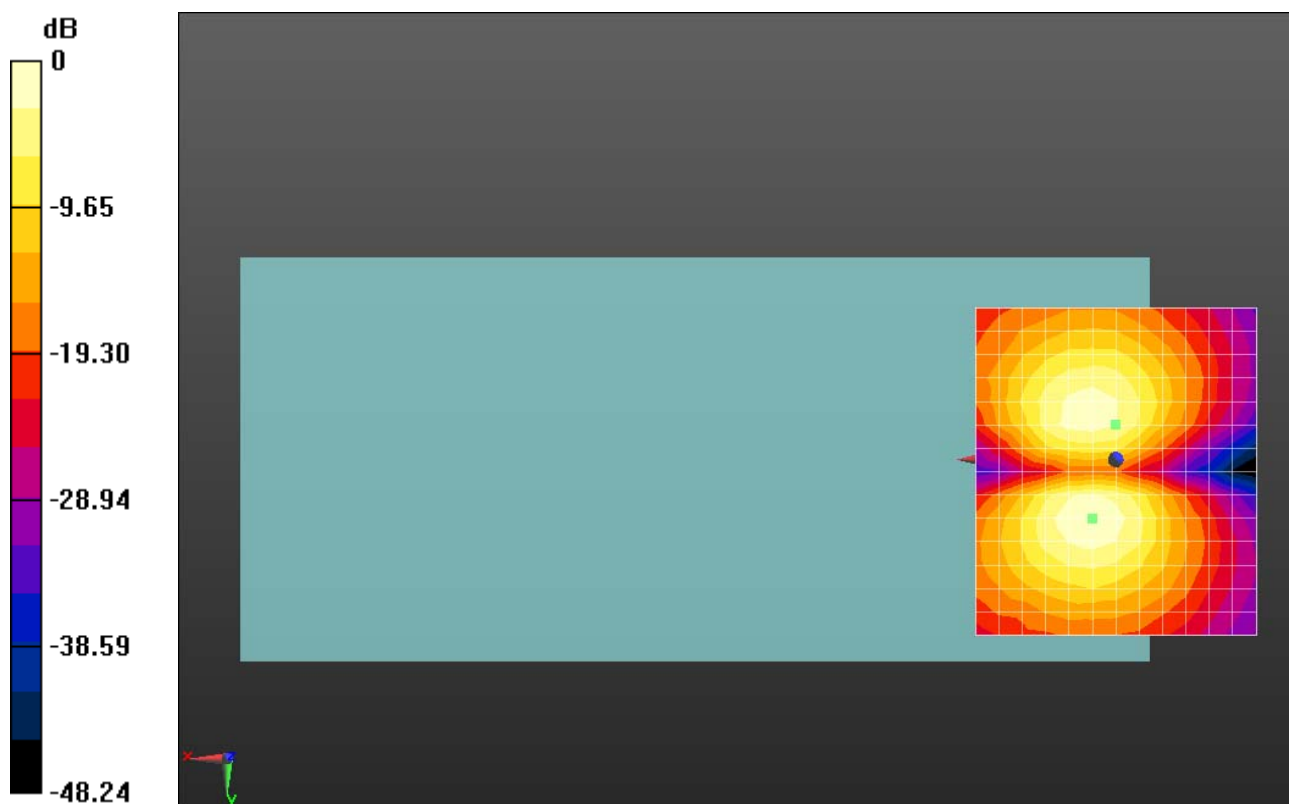
dx=10mm, dy=10mm

ABM1/ABM2 = 40.27 dB

ABM1 comp = -10.42 dBA/m

BWC Factor = 0.0099 dB

Location: 0, -6.2, 3.7 mm



### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT80 MCS 0\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

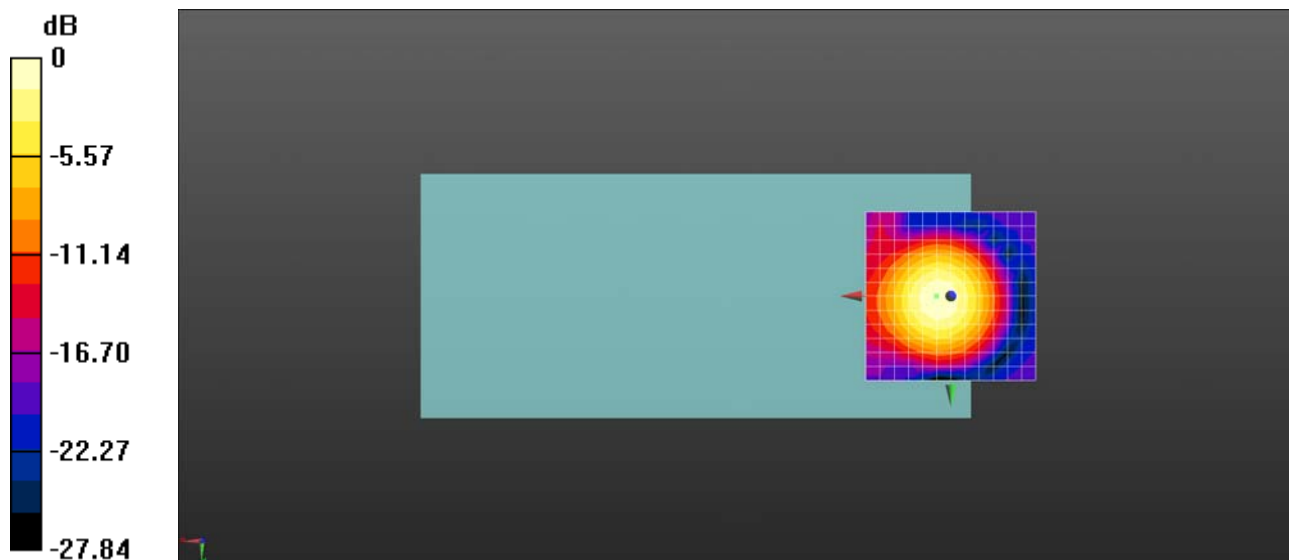
**Ch42/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 25.54 dB

ABM1 comp = -2.76 dBA/m

BWC Factor = 0.0096 dB

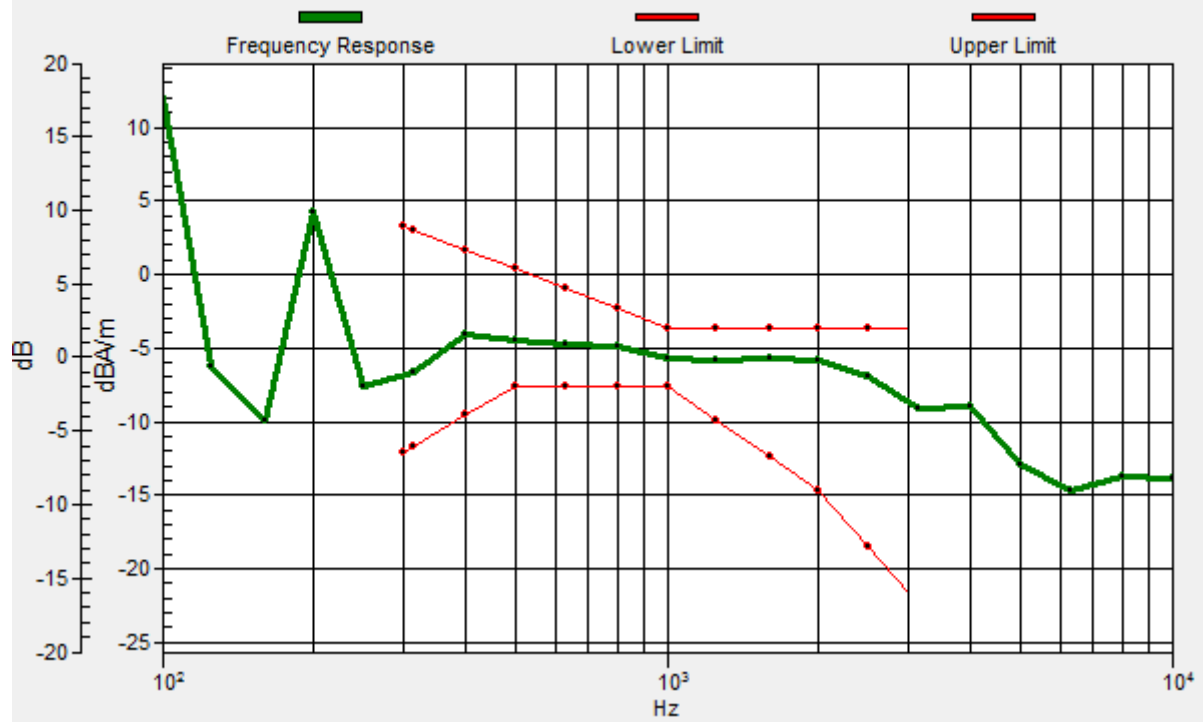
Location: 0, 0, 3.7 mm



0 dB = 18.93 = 25.54 dB

# Ch42/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 2dB





### HAC\_T-Coil\_VoWiFi 5.2GHz\_802.11ac-VHT80 MCS 0\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

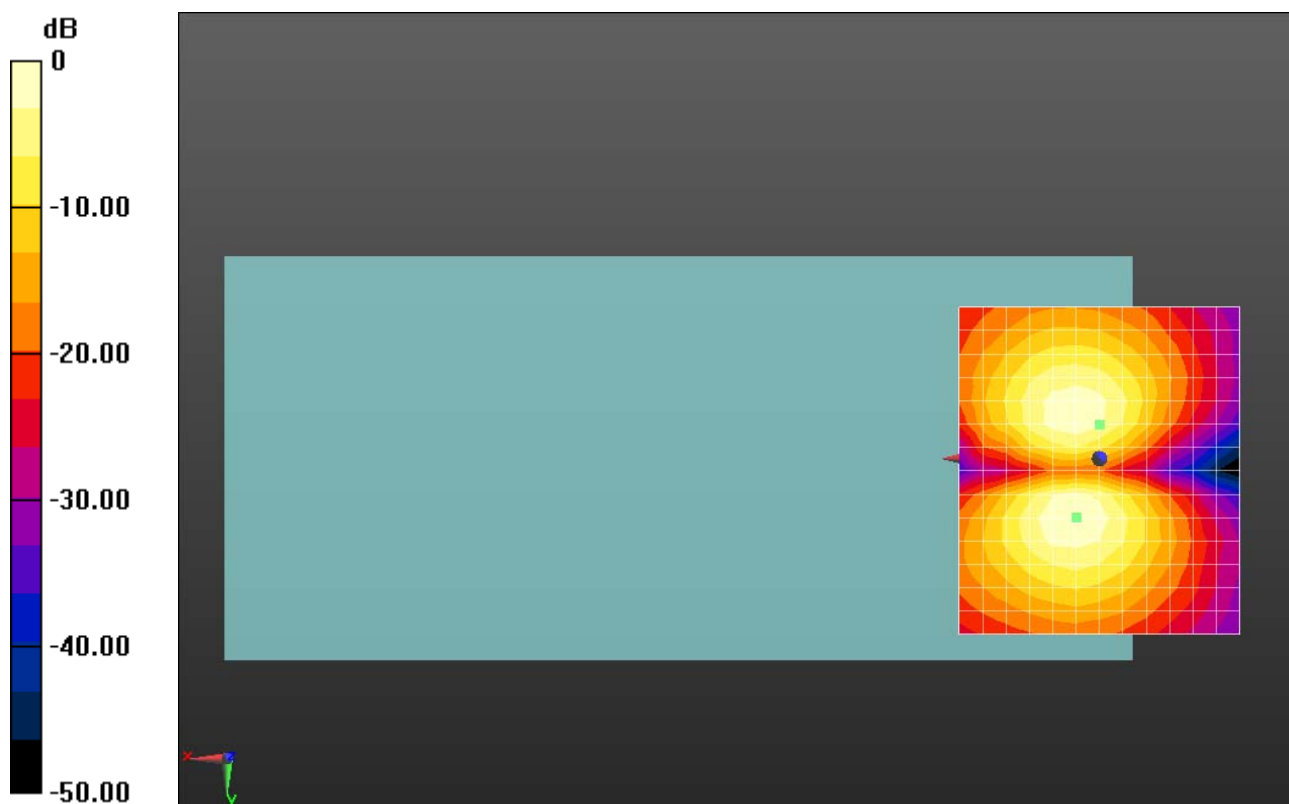
dx=10mm, dy=10mm

ABM1/ABM2 = 40.09 dB

ABM1 comp = -10.10 dBA/m

BWC Factor = 0.0096 dB

Location: 0, -6.2, 3.7 mm



0 dB = 101.0 = 40.09 dB

### 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

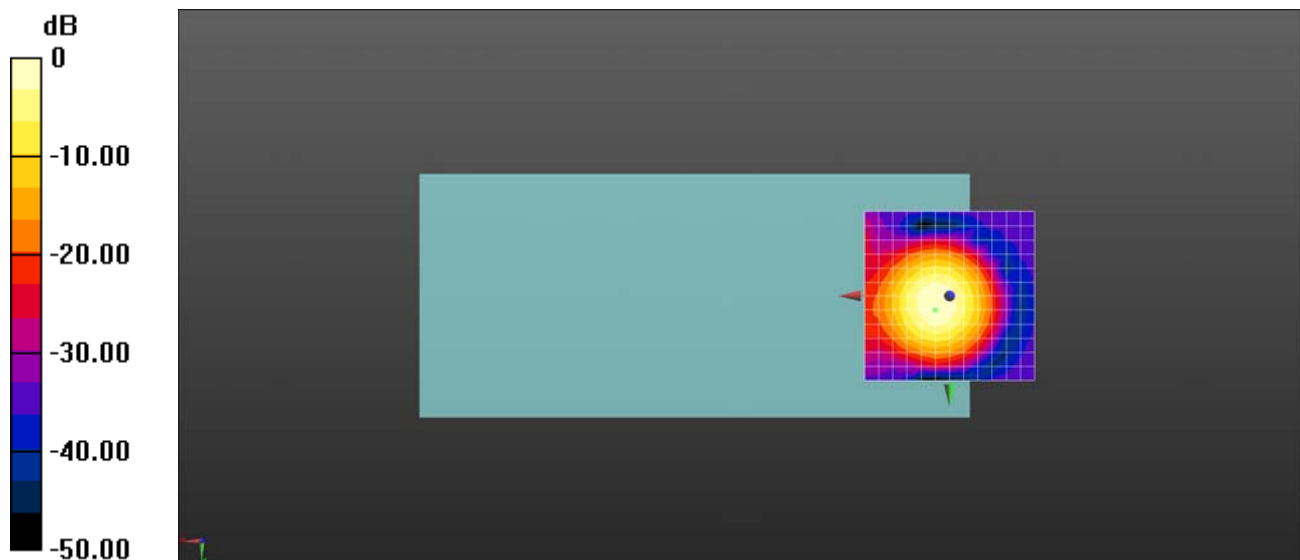
**Ch157/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 48.57 dB

ABM1 comp = -1.32 dBA/m

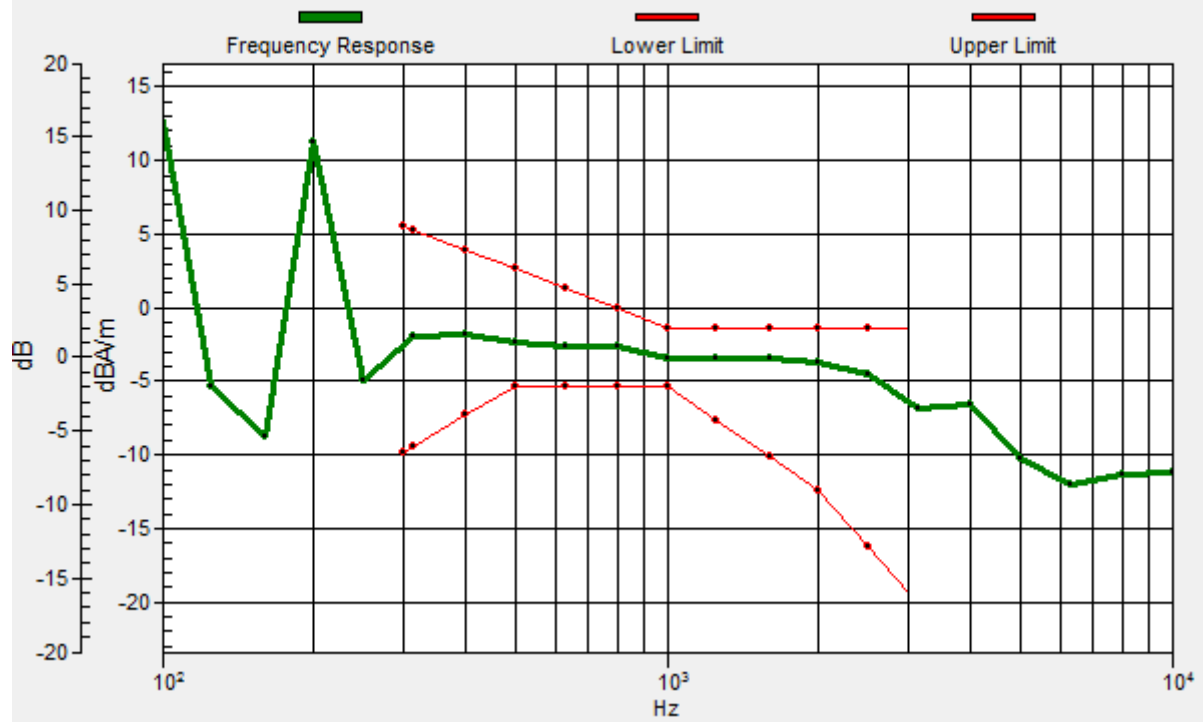
BWC Factor = 0.01 dB

Location: 4.2, 4.2, 3.7 mm



# Ch157/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, 4.2, 3.7 mm Diff: 2dB



### 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

#### Ch157/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x15x1): Measurement grid:

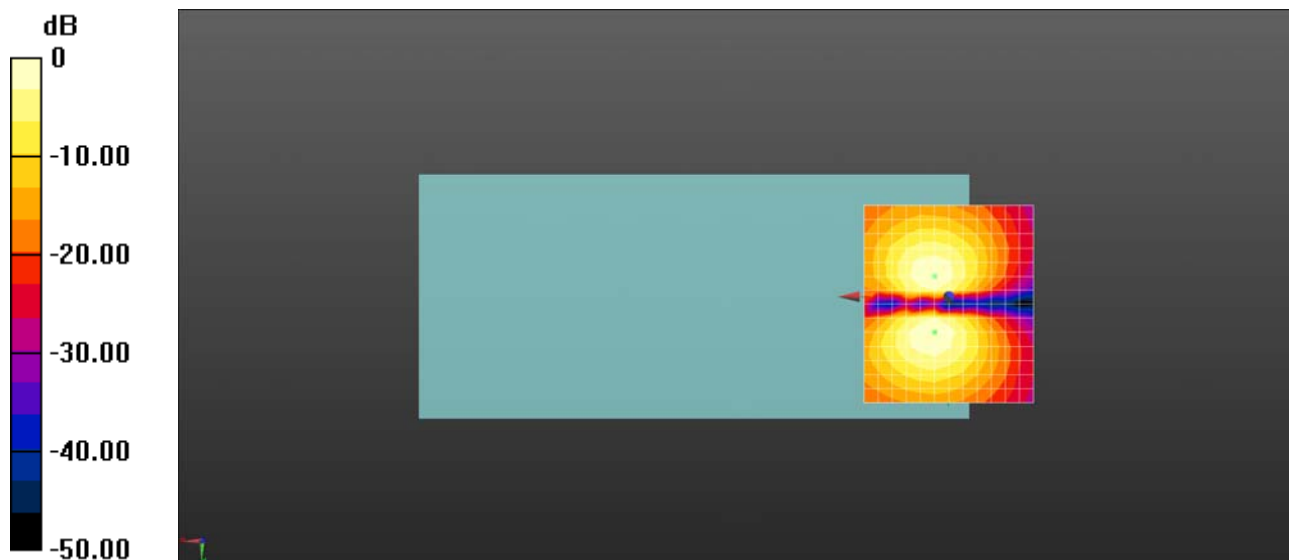
dx=10mm, dy=10mm

ABM1/ABM2 = 38.94 dB

ABM1 comp = -7.60 dBA/m

BWC Factor = 0.01 dB

Location: 4.2, -6.2, 3.7 mm



0 dB = 88.49 = 38.94 dB

### HAC\_T-CoilaQVV'XqR\_GSM850\_GFI G\*6VZ'Umpu+ 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

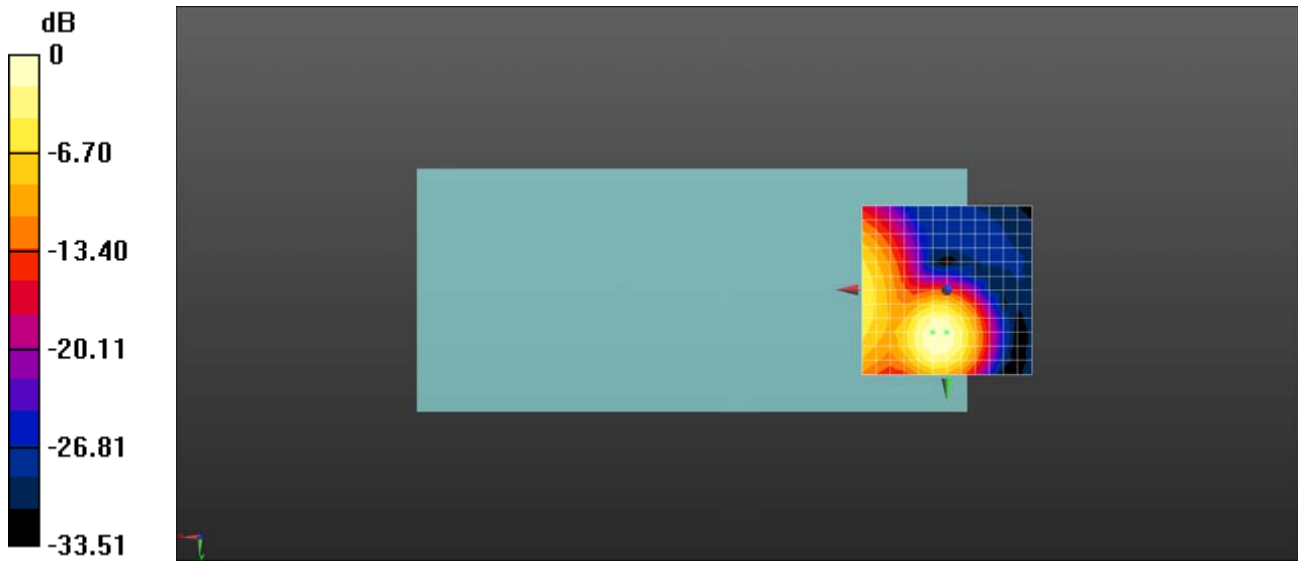
**Ch189/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 26.07 dB

ABM1 comp = -5.56 dBA/m

BWC Factor = 0.02 dB

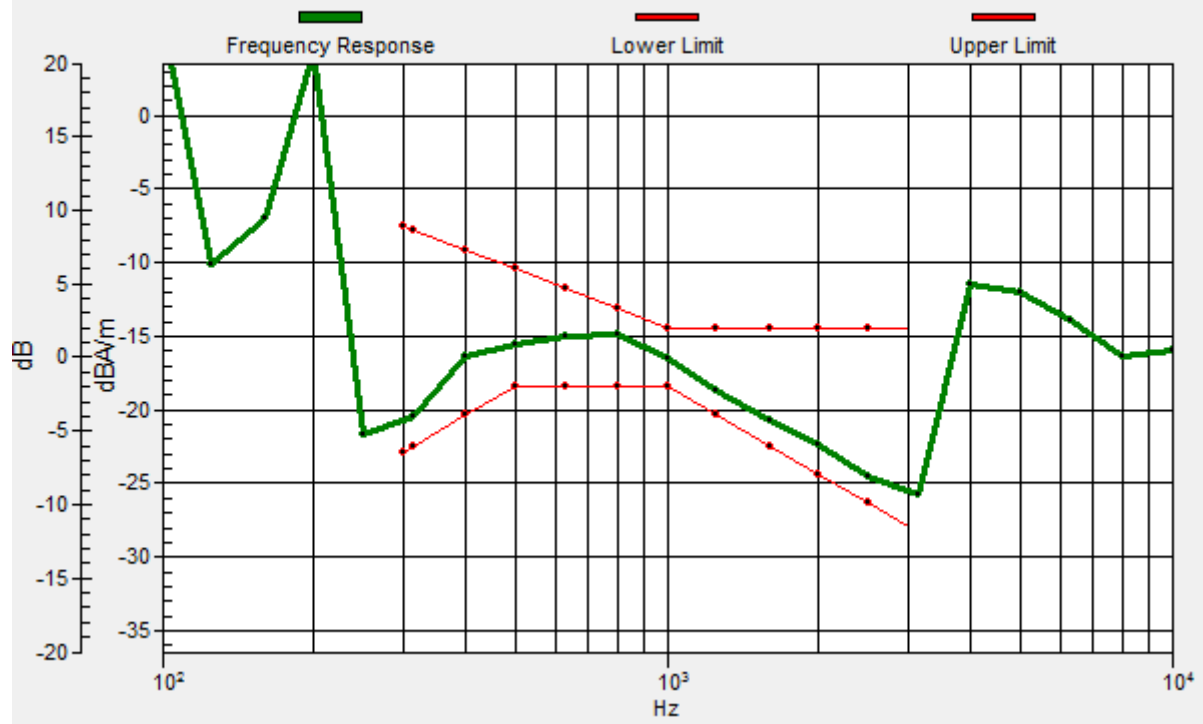
Location: 0, 12.5, 3.7 mm



0 dB = 20.12 = 26.07 dB

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

Loc: 0, 12.5, 3.7 mm Diff: 1.72dB



### HAC\_T-CoilaQVV'XqR\_GSM850\_GFI G\*6VZ'Umwu+ 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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 26.21 dB

ABM1 comp = -15.26 dBA/m

BWC Factor = 0.02 dB

Location: -4.2, 4.2, 3.7 mm



0 dB = 20.44 = 26.21 dB

### HAC\_T-CoilaQVV'XqR\_GSM1900\_GFI G\*6VZ'Uqvu+\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

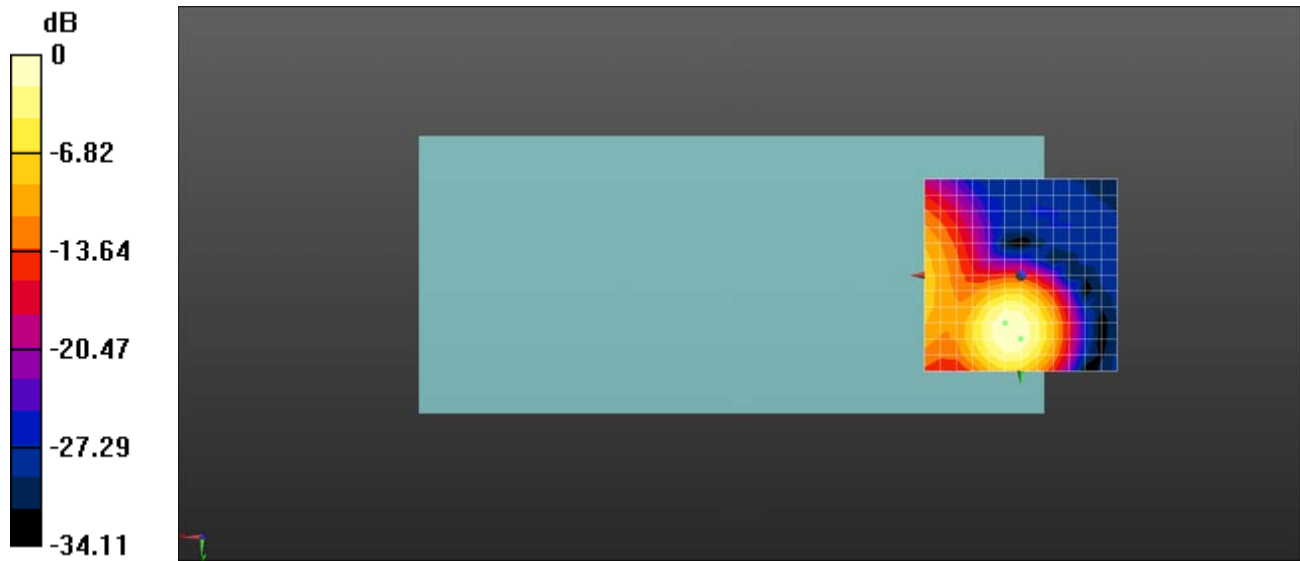
**Ch661/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 26.98 dB

ABM1 comp = -6.03 dBA/m

BWC Factor = 0.02 dB

Location: 0, 16.7, 3.7 mm

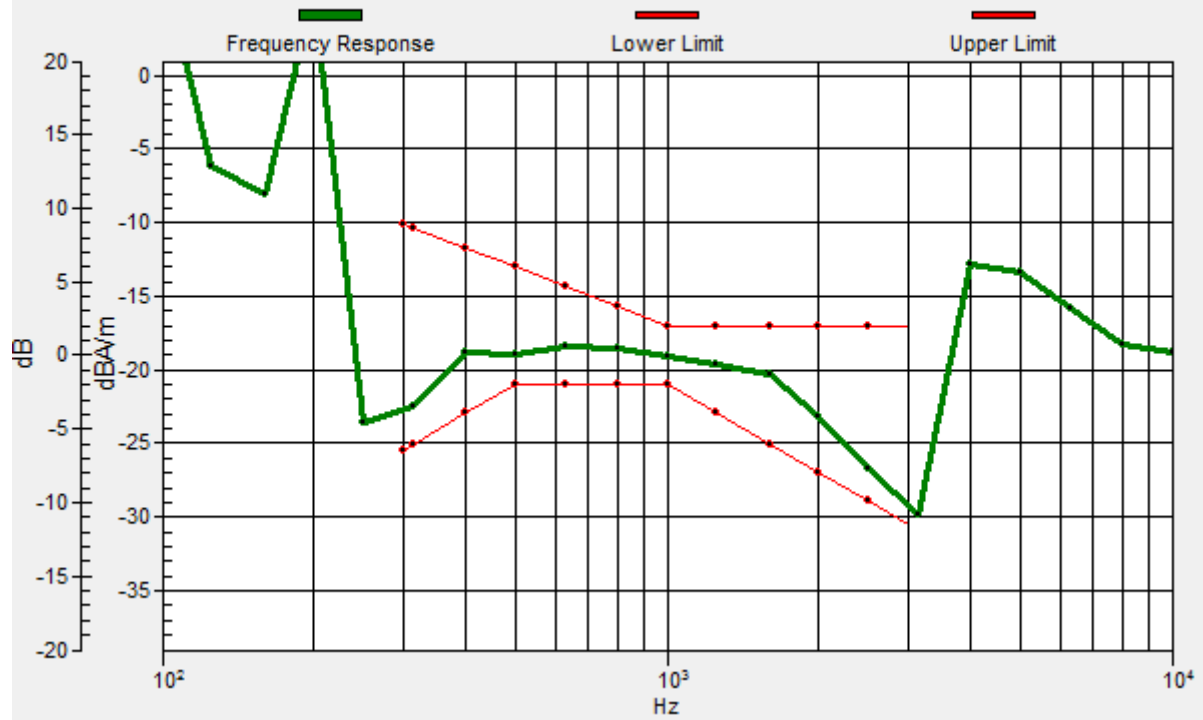


0 dB = 22.35 = 26.99 dB



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

Loc: 0, 16.7, 3.7 mm Diff: 1.41dB



### HAC\_T-CoilaQVV'XqR\_GSM1900\_GF1 G\*6VZ'Uqvu+\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

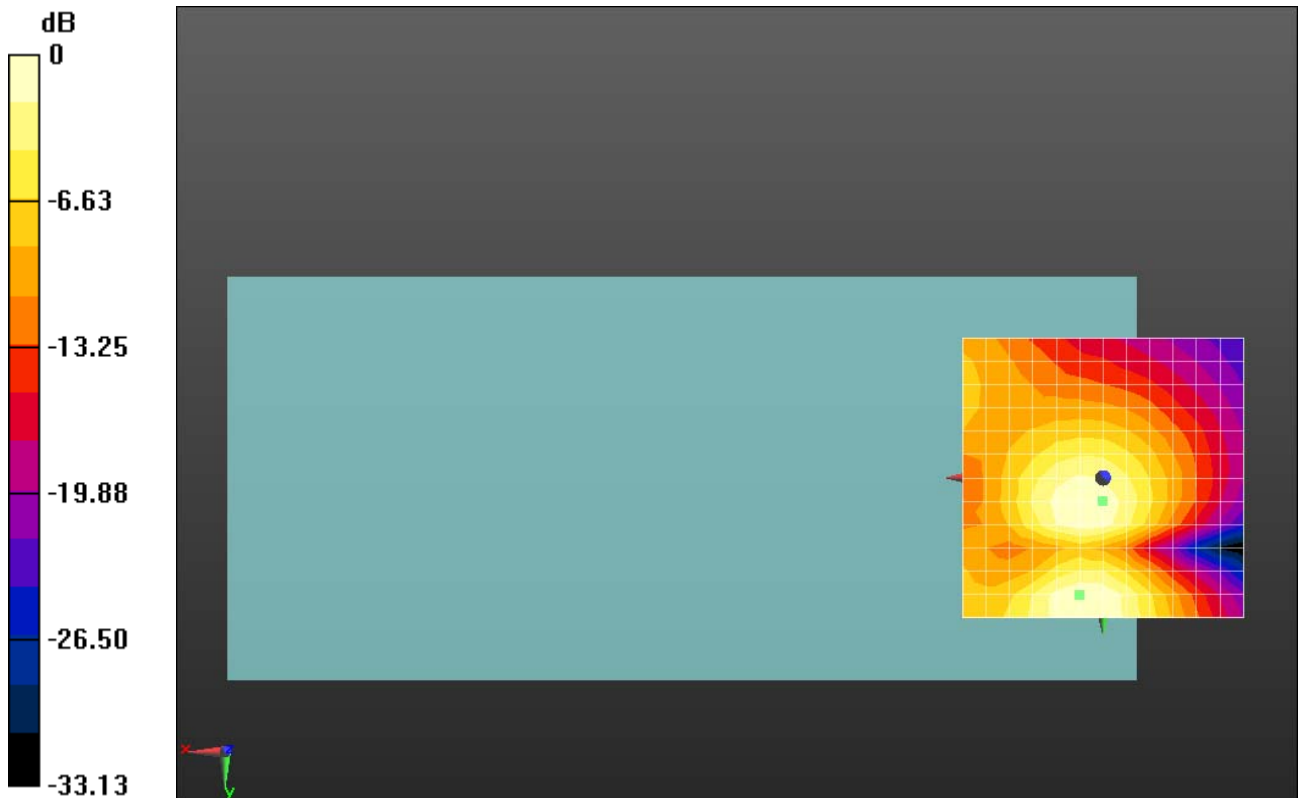
dx=10mm, dy=10mm

ABM1/ABM2 = 26.21 dB

ABM1 comp = -12.52 dBA/m

BWC Factor = 0.02 dB

Location: 0, 4.2, 3.7 mm



0 dB = 20.43 = 26.21 dB

### HAC\_T-CoilaQVV'XqR\_WCDMA Band II\_HSPA\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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) (13x13x1): Measurement grid:

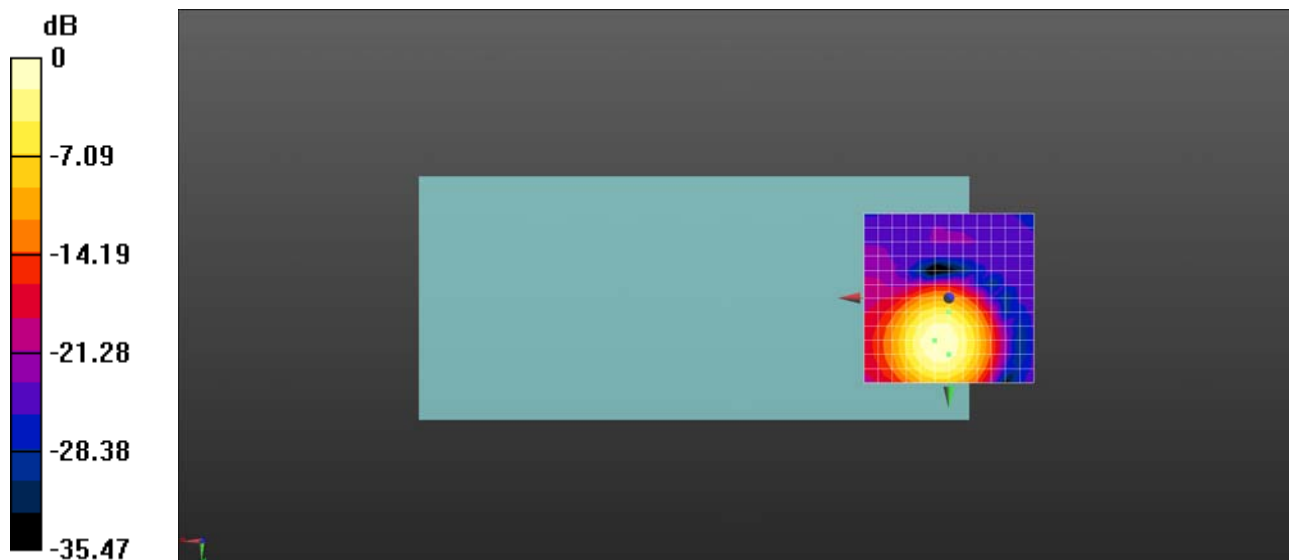
dx=10mm, dy=10mm

ABM1/ABM2 = 27.50 dB

ABM1 comp = -12.55 dBA/m

BWC Factor = 0.02 dB

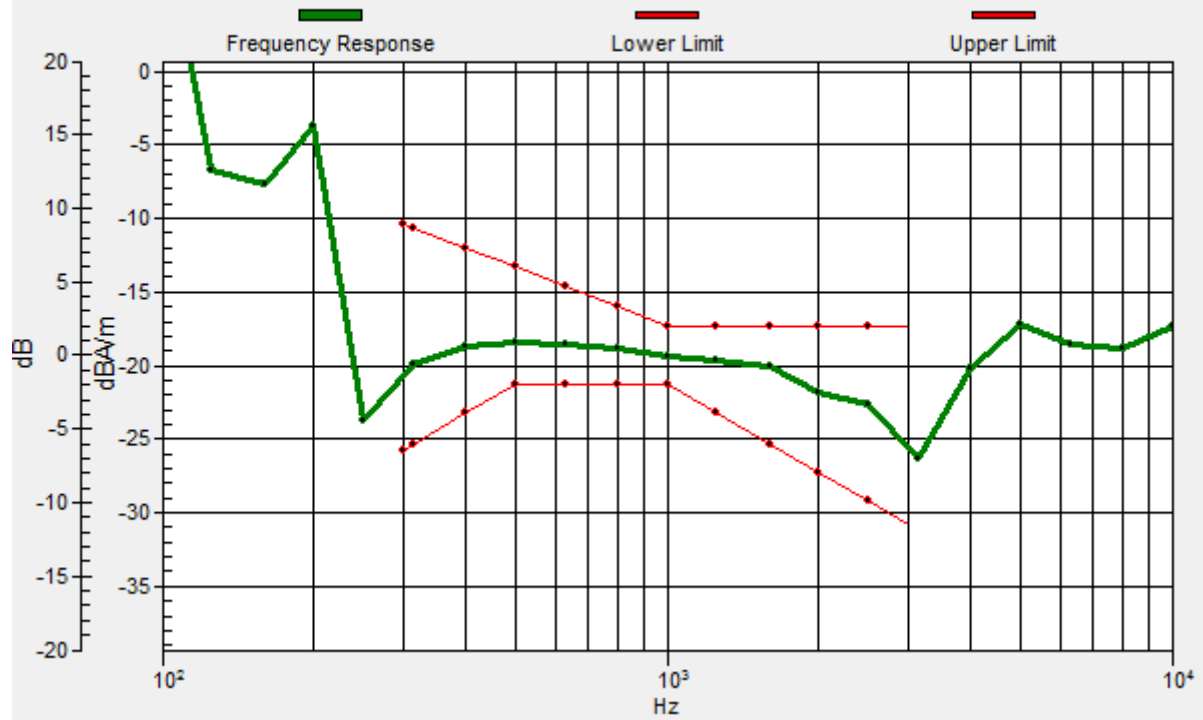
Location: 0, 4.2, 3.7 mm



0 dB = 23.72 = 27.50 dB

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

Loc: 0, 16.7, 3.7 mm Diff: 2dB



### HAC\_T-CoilaQVV'XqR\_WCDMA Band II\_HSPA\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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) (13x13x1): Measurement grid:

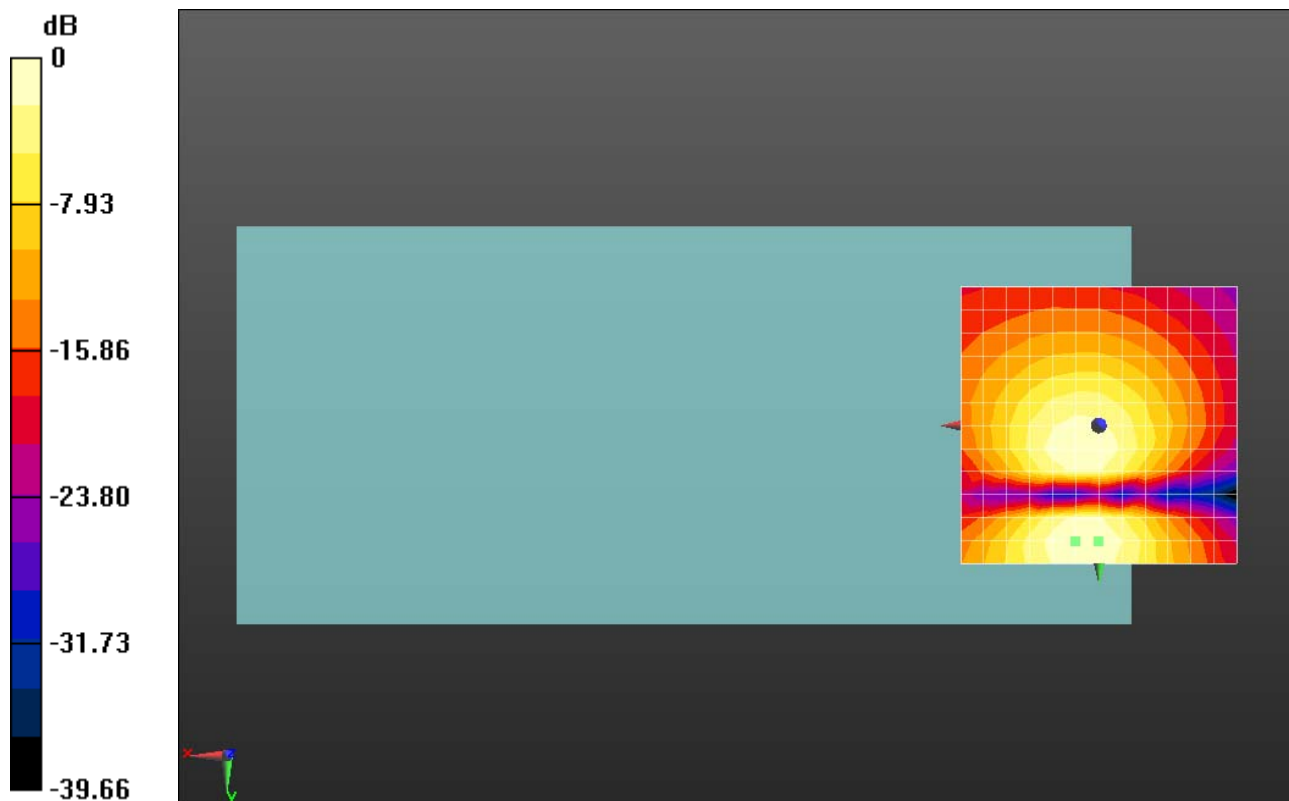
dx=10mm, dy=10mm

ABM1/ABM2 = 26.97 dB

ABM1 comp = -11.46 dBA/m

BWC Factor = 0.02 dB

Location: 0, 20.8, 3.7 mm



0 dB = 22.32 = 26.97 dB

### HAC\_T-CoilaQVV'XqR\_WCDMA Band V\_HSPA\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

dx=10mm, dy=10mm

ABM1/ABM2 = 27.26 dB

ABM1 comp = -12.45 dBA/m

BWC Factor = 0.03 dB

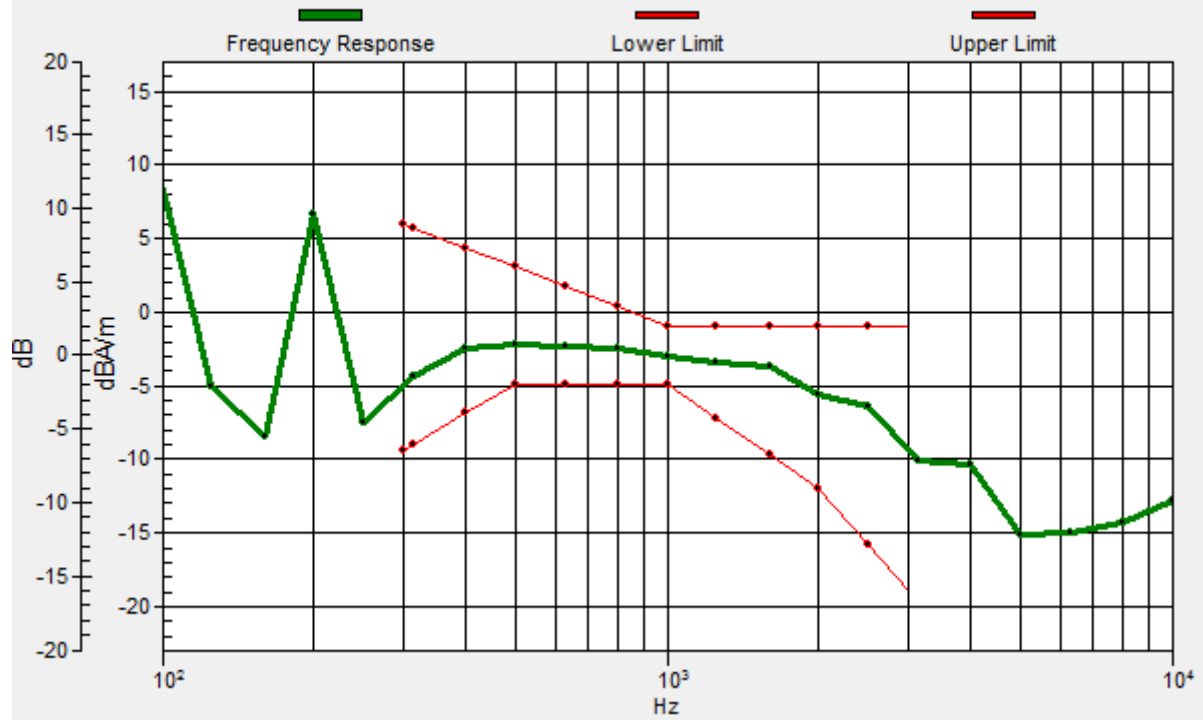
Location: 0, 4.2, 3.7 mm



0 dB = 23.06 = 27.26 dB

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

Loc: 0, 4.2, 3.7 mm Diff: 2dB



### HAC\_T-CoilaQVV'XqR\_WCDMA Band V\_HSPA\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

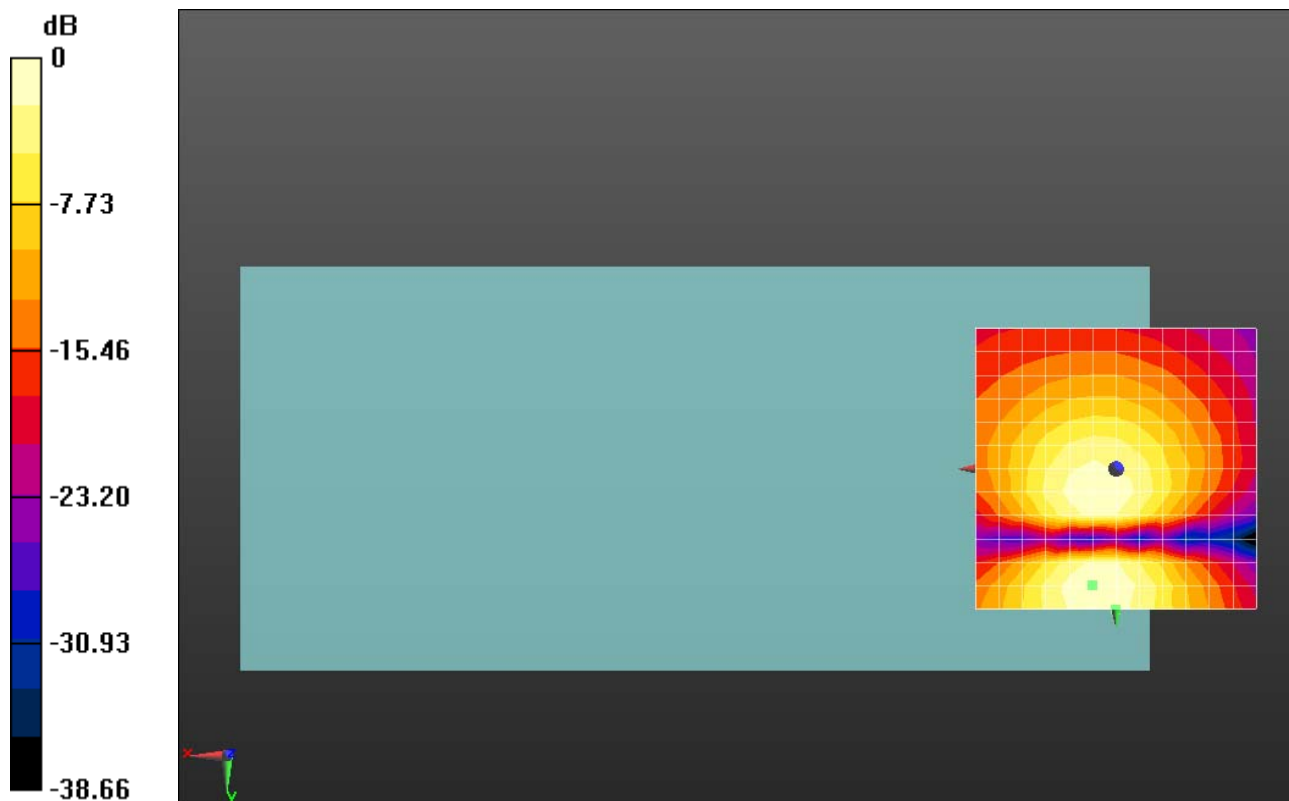
dx=10mm, dy=10mm

ABM1/ABM2 = 26.83 dB

ABM1 comp = -12.91 dBA/m

BWC Factor = 0.03 dB

Location: 0, 25, 3.7 mm



0 dB = 21.94 = 26.82 dB



### HAC\_T-CoilaXqR\_LTE Band 5\_10MHz\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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)

**Ch20525/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

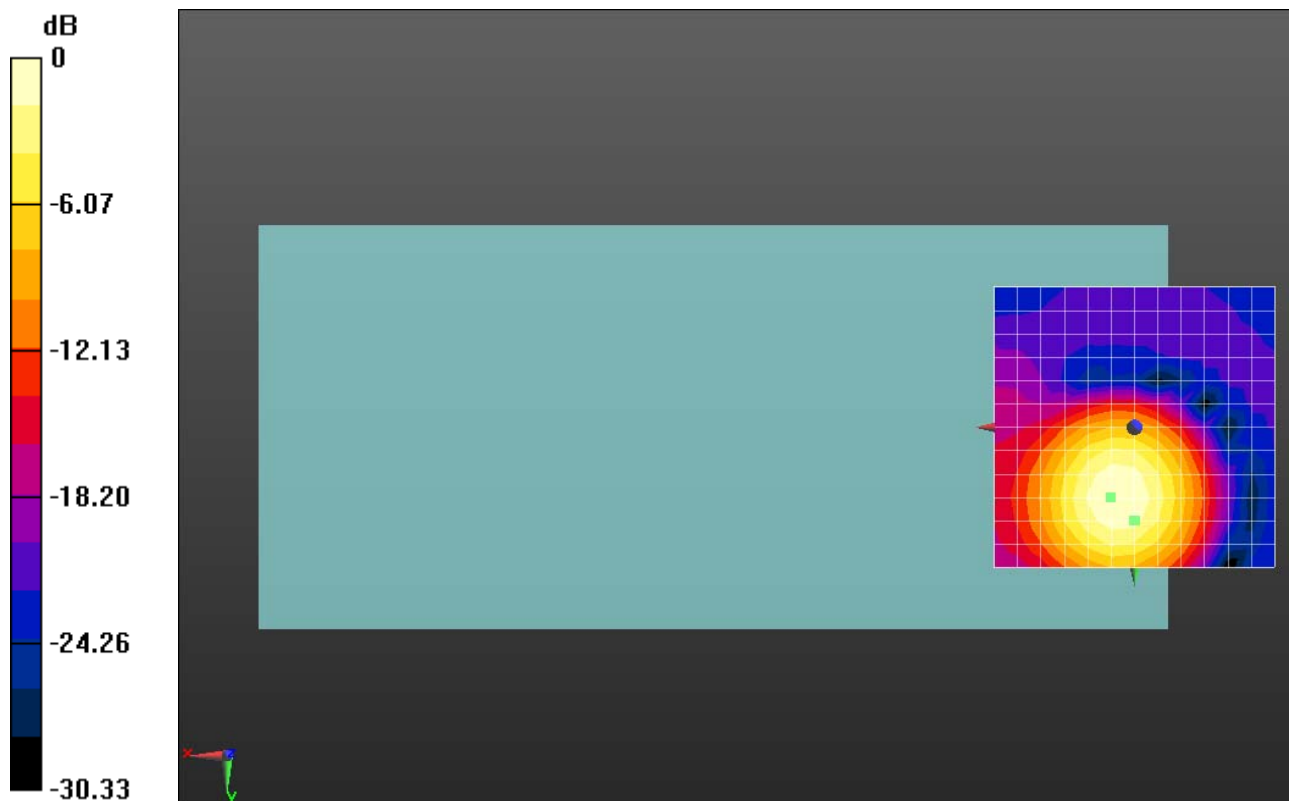
dx=10mm, dy=10mm

ABM1/ABM2 = 28.81 dB

ABM1 comp = -2.16 dBA/m

BWC Factor = 0.02 dB

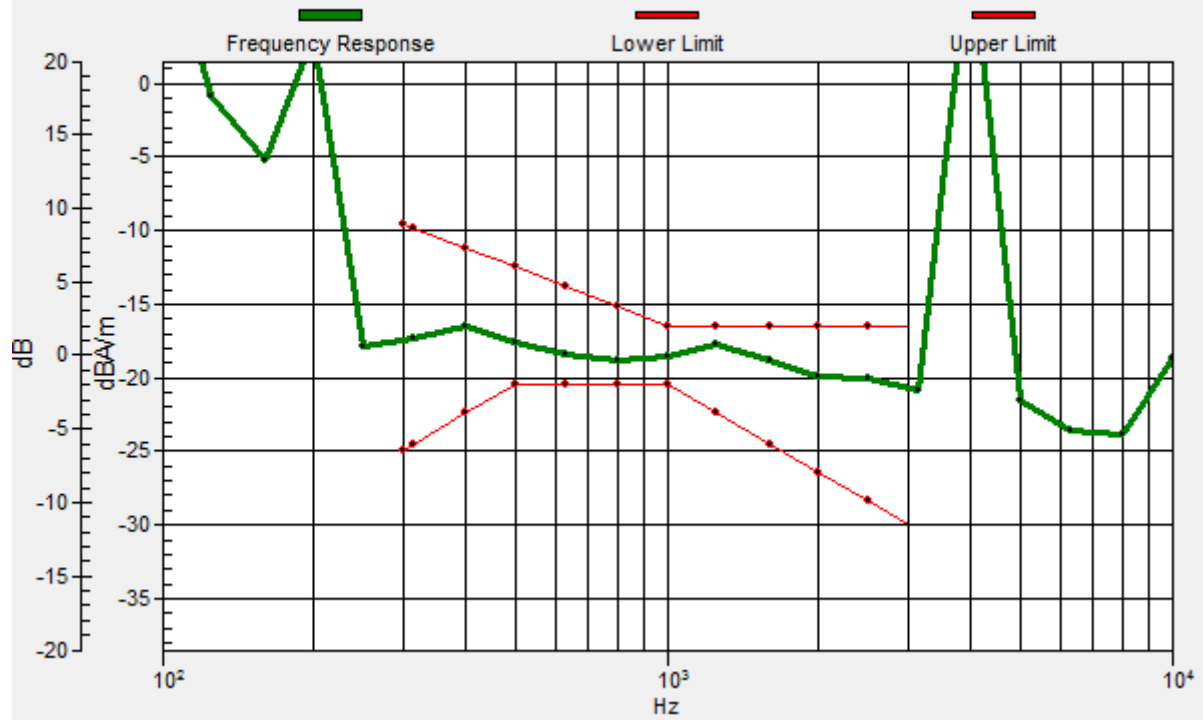
Location: 0, 16.7, 3.7 mm



0 dB = 27.56 = 28.81 dB

# Ch20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 16.7, 3.7 mm Diff: 1.28dB



### HAC\_T-CoilaXqR\_LTE Band 5\_10MHz\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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)

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

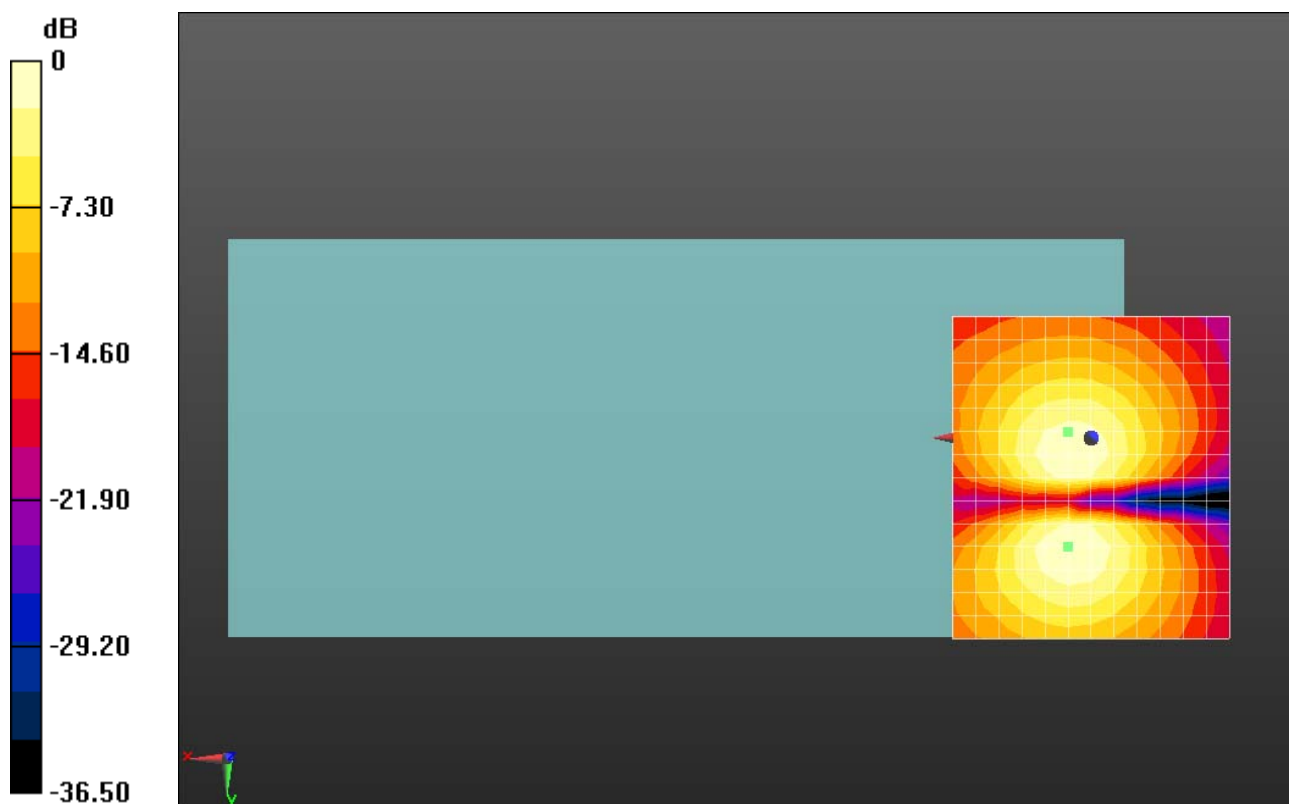
dx=10mm, dy=10mm

ABM1/ABM2 = 28.68 dB

ABM1 comp = -8.10 dBA/m

BWC Factor = 0.02 dB

Location: 4.2, -1.2, 3.7 mm



0 dB = 27.16 = 28.68 dB

### HAC\_T-CoilaXqR\_LTE Band 41\_20MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch40620\_Z

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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)

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

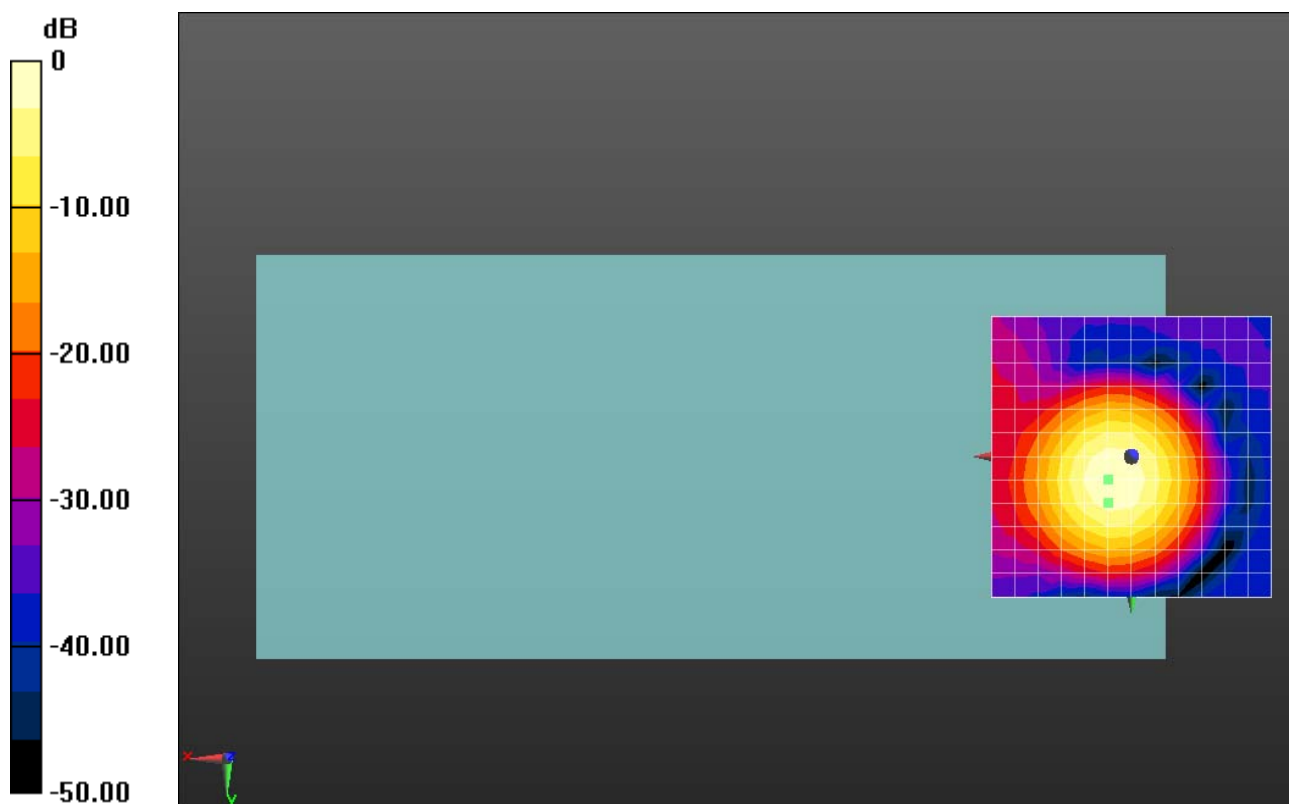
dx=10mm, dy=10mm

ABM1/ABM2 = 28.34 dB

ABM1 comp = -1.60 dBA/m

BWC Factor = 0.02 dB

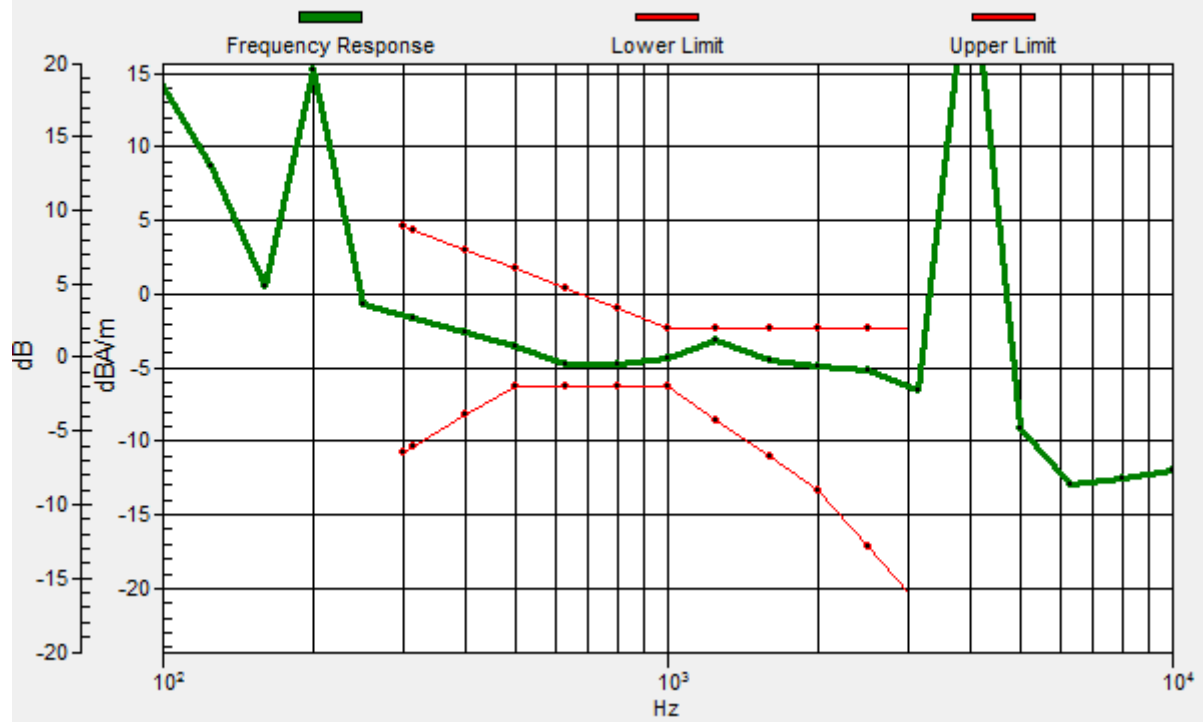
Location: 4.2, 8.3, 3.7 mm



0 dB = 26.13 = 28.34 dB

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

Loc: 4.2, 8.3, 3.7 mm Diff: 0.9dB



### HAC\_T-CoilXqR\_LTE Band 41\_20MHz\_QPSK\_1RB\_0offset\_12.2Kbps\_Ch40620\_Y

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2021.06.22

- 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)

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

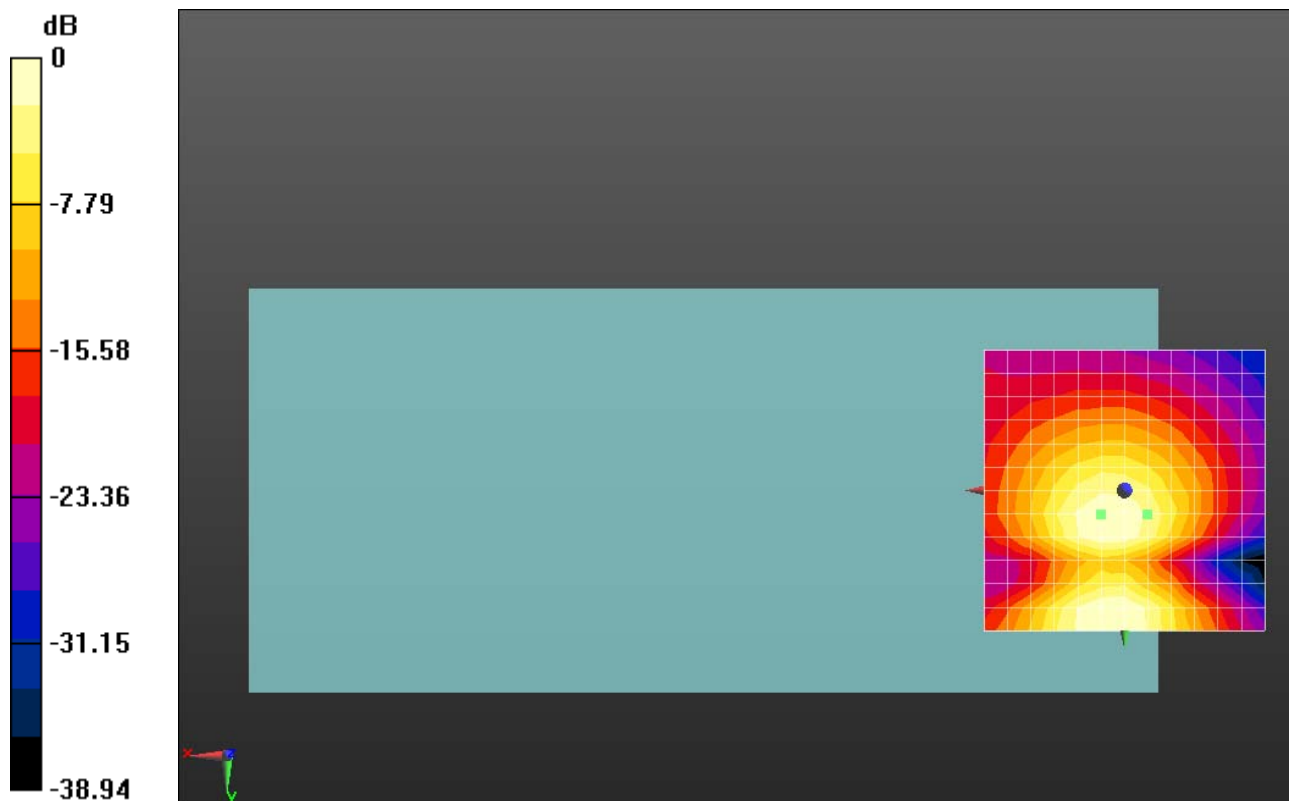
dx=10mm, dy=10mm

ABM1/ABM2 = 26.73 dB

ABM1 comp = -9.10 dBA/m

BWC Factor = 0.02 dB

Location: -4.2, 4.2, 3.7 mm



0 dB = 21.71 = 26.73 dB

### HAC\_T-CoilaXqR\_LTE Band 66\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

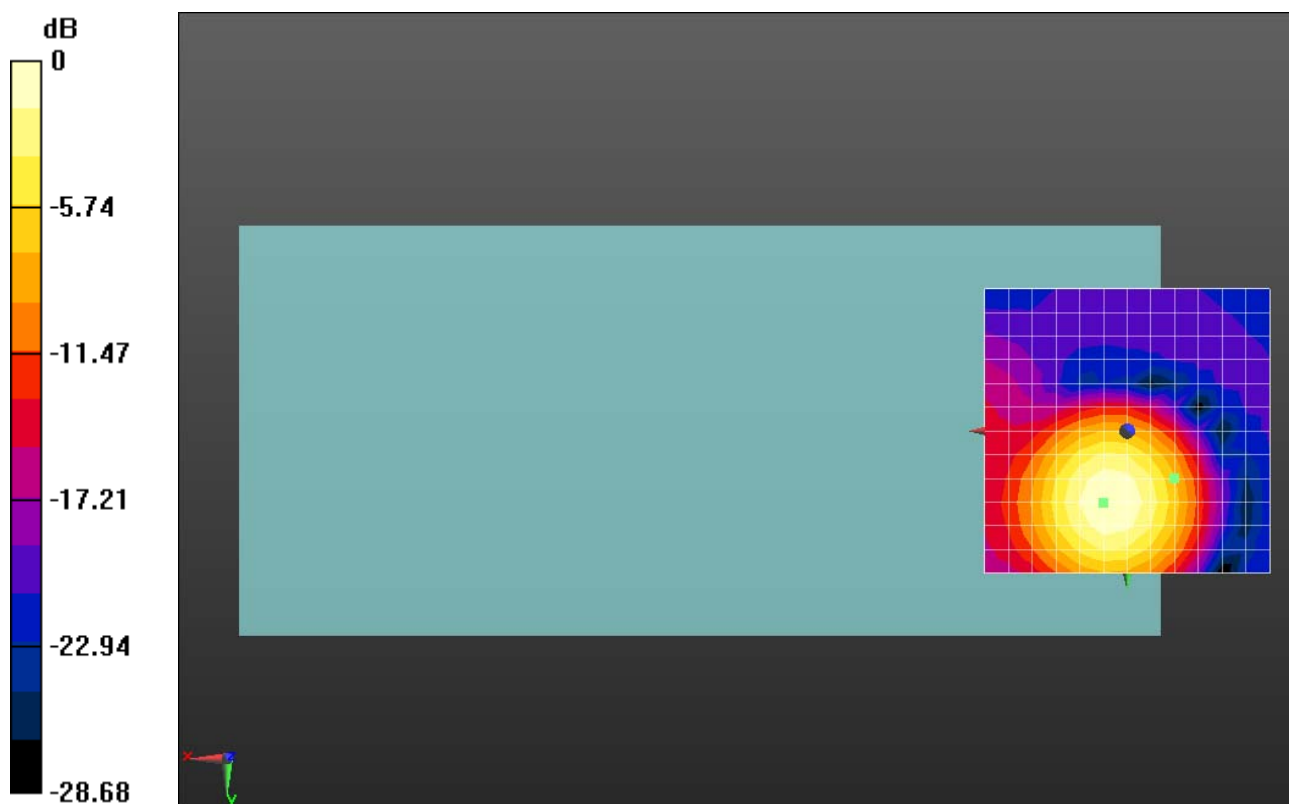
dx=10mm, dy=10mm

ABM1/ABM2 = 28.82 dB

ABM1 comp = -12.12 dBA/m

BWC Factor = 0.02 dB

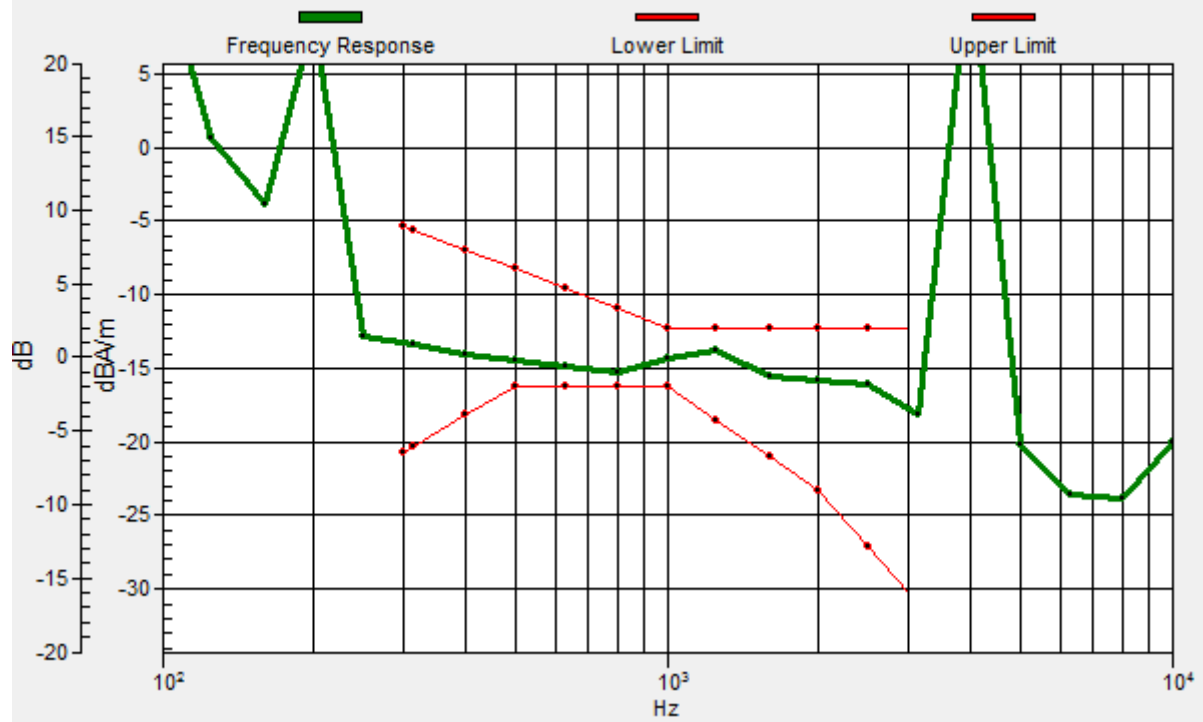
Location: -8.3, 8.3, 3.7 mm



0 dB = 27.59 = 28.82 dB

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

Loc: -8.3, 8.3, 3.7 mm Diff: 0.99dB





### HAC\_T-CoilaXqR\_LTE Band 66\_20MHz\_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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

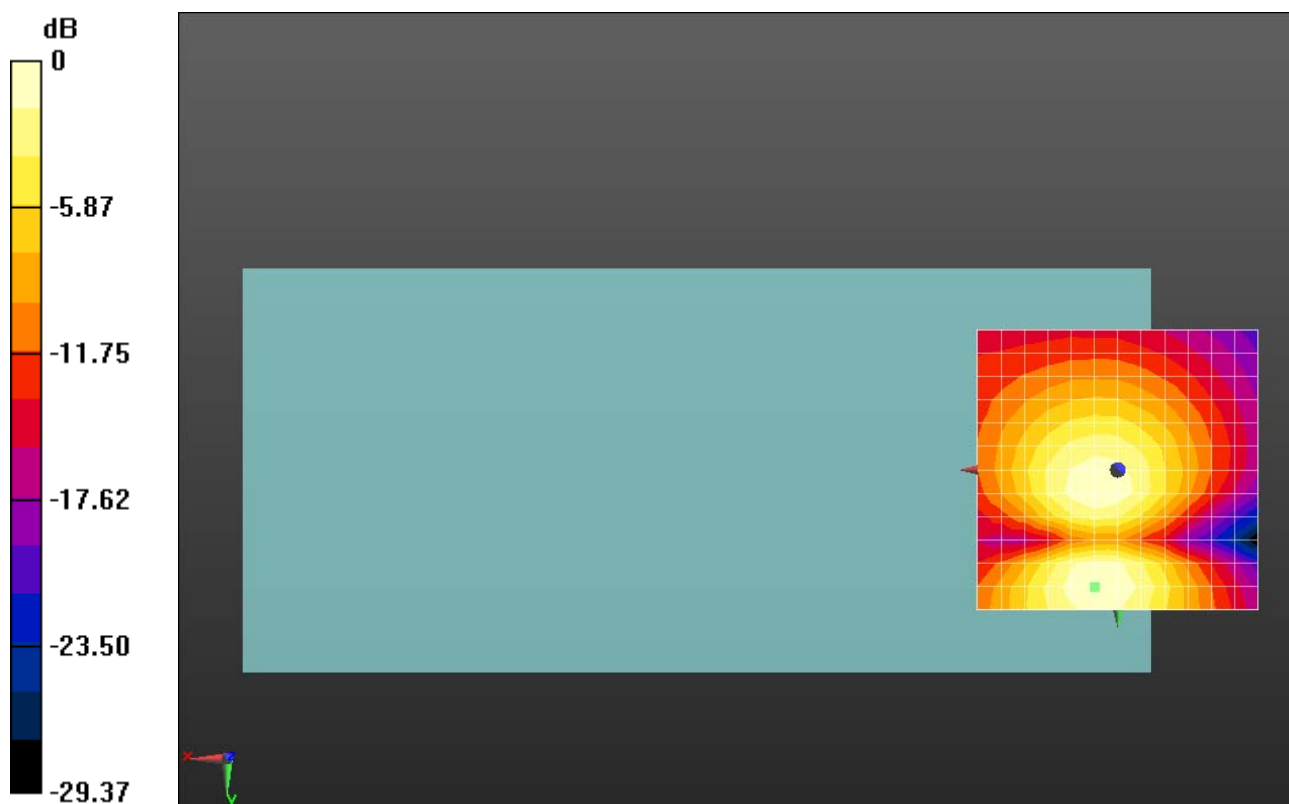
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 28.74 dB

ABM1 comp = -6.13 dBA/m

BWC Factor = 0.02 dB

Location: 4.2, 20.8, 3.7 mm



0 dB = 27.34 = 28.74 dB

### HAC\_T-CoilaXqR\_VoWiFi 5.2GHz\_802.11n-HT40 MCS 0\_AMR 4.75Kbps\_Ch46\_Z

Communication System: UID 10114 - CAA, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK);  
Frequency: 5230 MHz; Duty Cycle: 1:6.45654

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

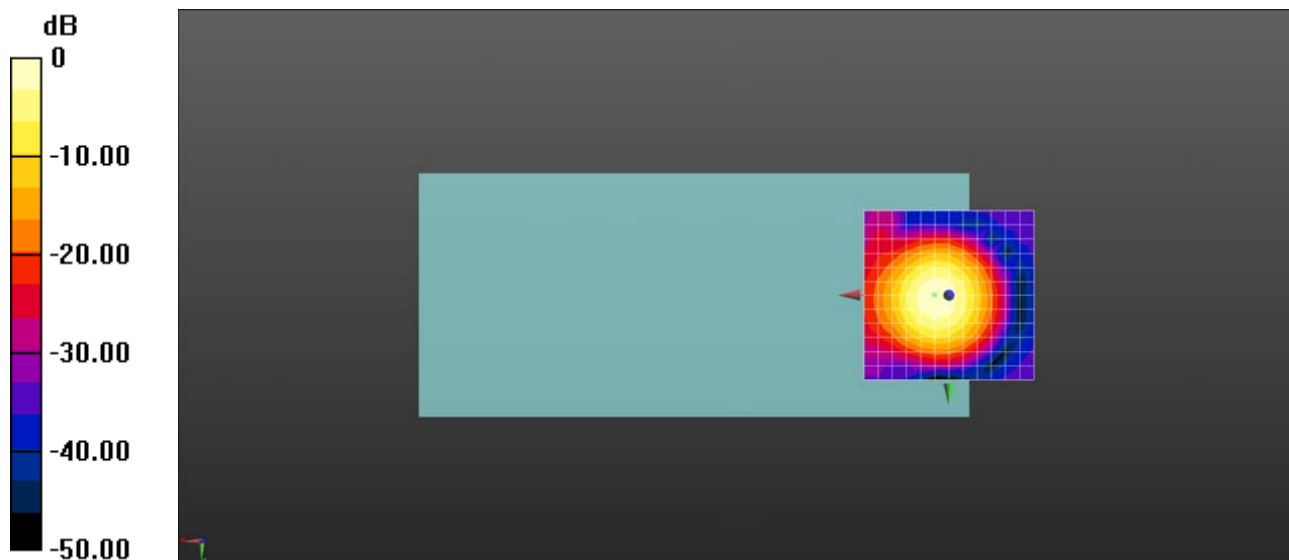
**Ch46/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 50.06 dB

ABM1 comp = -2.76 dBA/m

BWC Factor = 0.02 dB

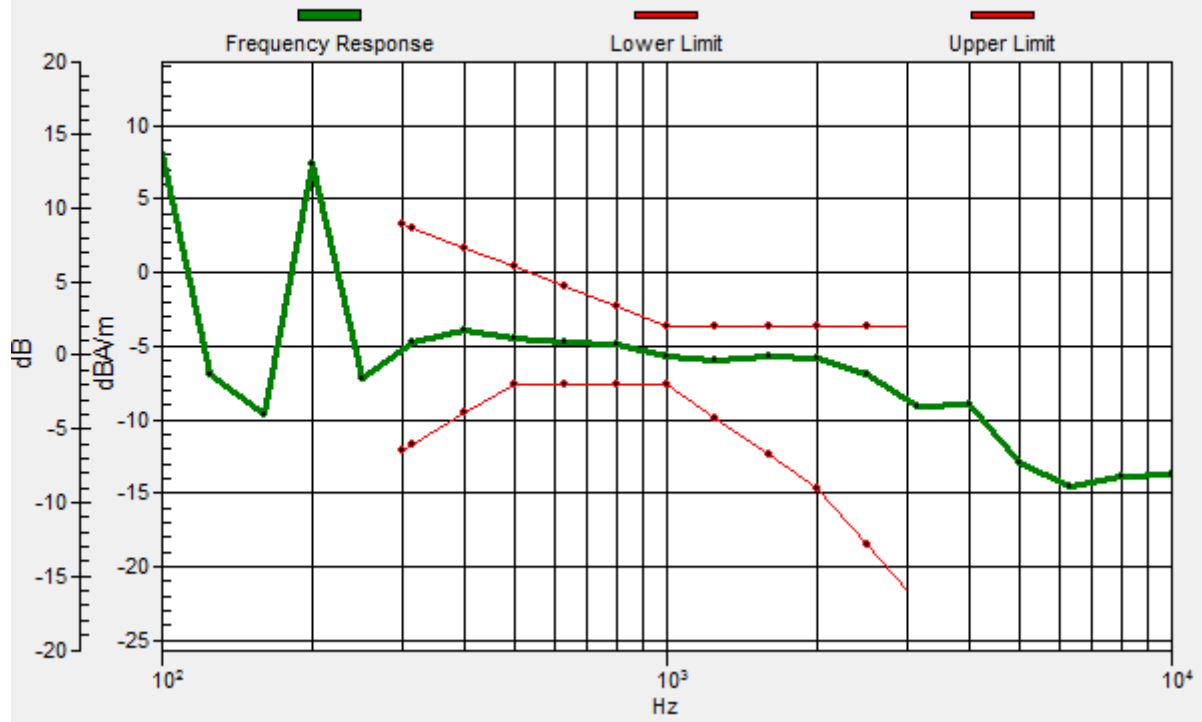
Location: 0, 0, 3.7 mm



0 dB = 318.4 = 50.06 dB

# Ch46/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 0, 3.7 mm Diff: 2dB



### HAC\_T-CoilaXqR\_VoWiFi 5.2GHz\_802.11n-HT40 MCS 0\_AMR 4.75Kbps\_Ch46\_Y

Communication System: UID 10114 - CAA, IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK);  
Frequency: 5230 MHz; Duty Cycle: 1:6.45654

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: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

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

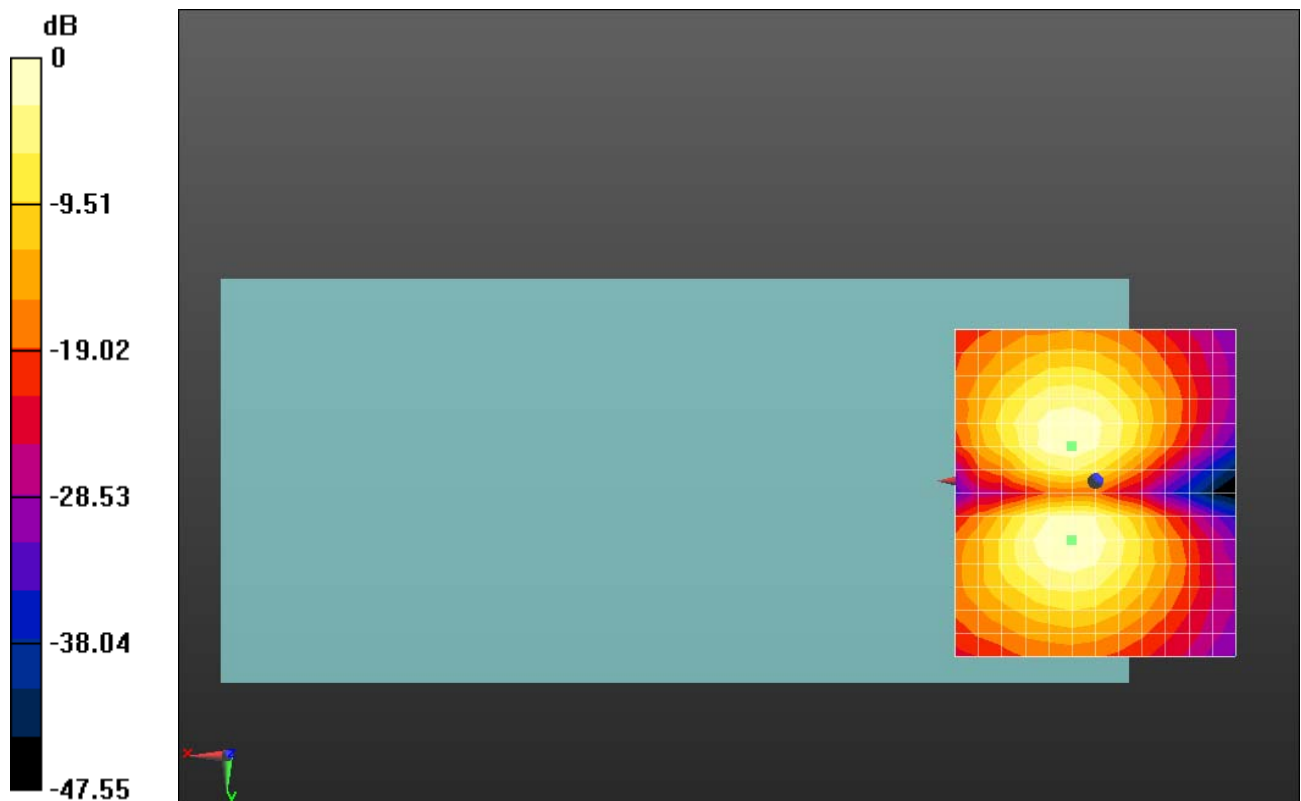
dx=10mm, dy=10mm

ABM1/ABM2 = 39.60 dB

ABM1 comp = -8.54 dBA/m

BWC Factor = 0.02 dB

Location: 4.2, -6.2, 3.7 mm



0 dB = 95.50 = 39.60 dB