# #1_HAC_T-Coil_GSM850_EDGE 2 Tx slots_Ch189_Axial (Z)

Communication System:  GSM850 ; Frequency: 836.4 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
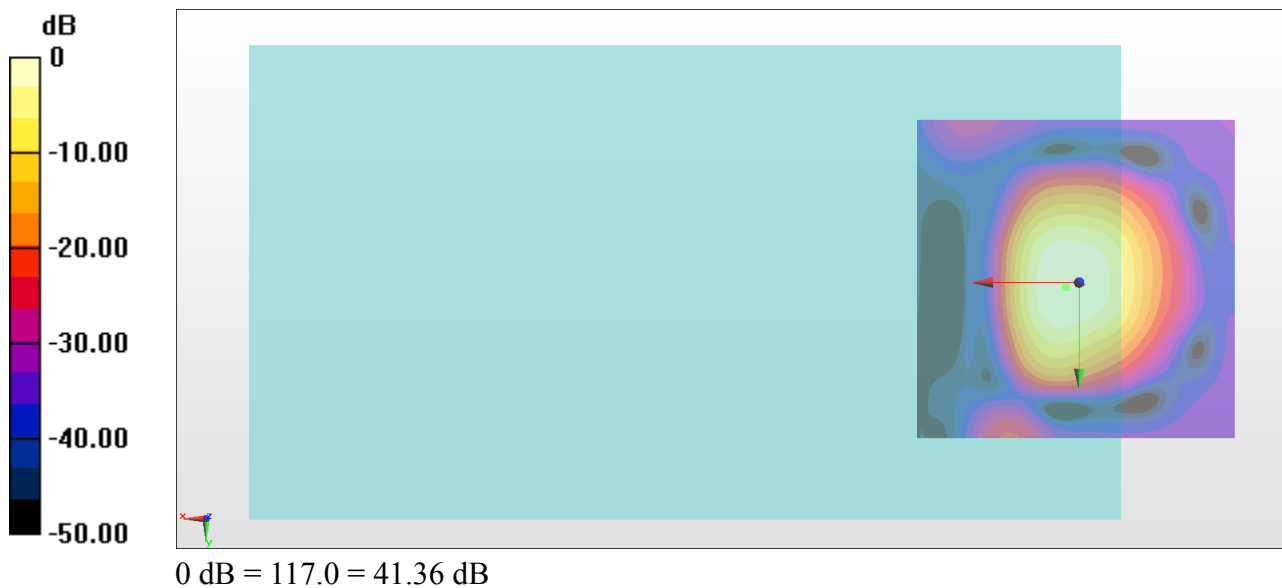- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

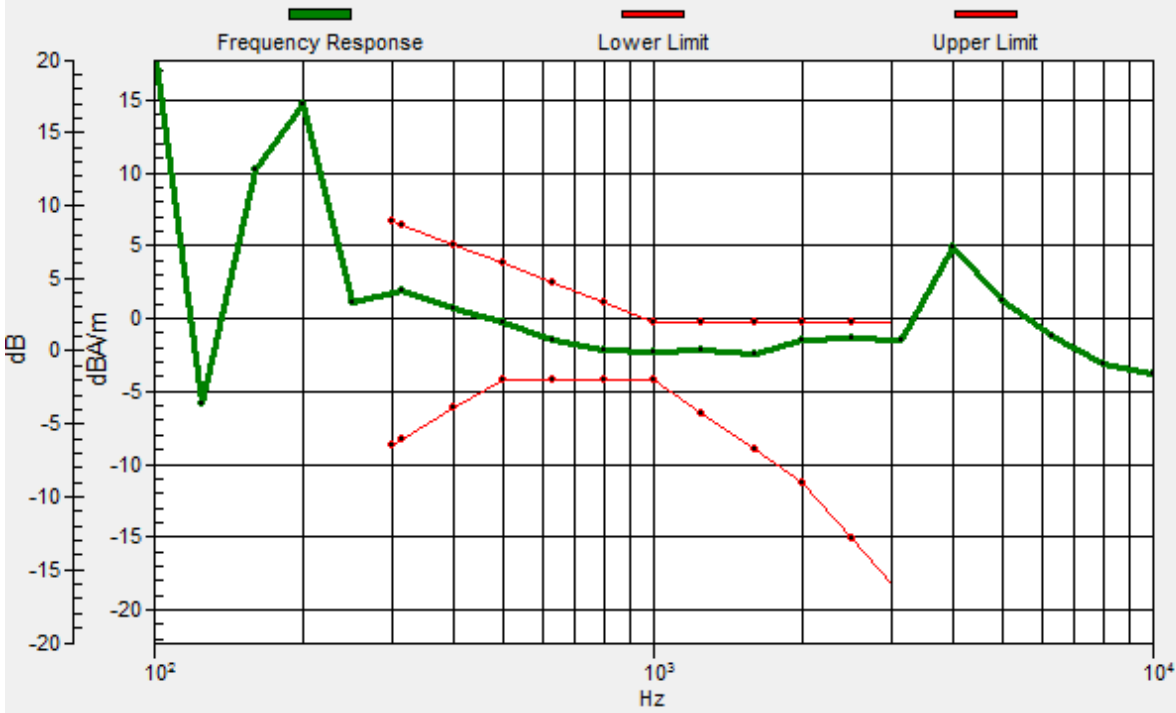Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.36 dB

ABM1 comp = 0.89 dBA/m

Location: 1.9, 0.9, 3.7 mm



0 dB = 117.0 = 41.36 dB

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

Loc: 2.1, 0.6, 3.7 mm Diff: 1.12dB

## #1_HAC_T-Coil_GSM850_EDGE 2 Tx slots_Ch189_Transversal (Y)

Communication System:  GSM850 ; Frequency: 836.4 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
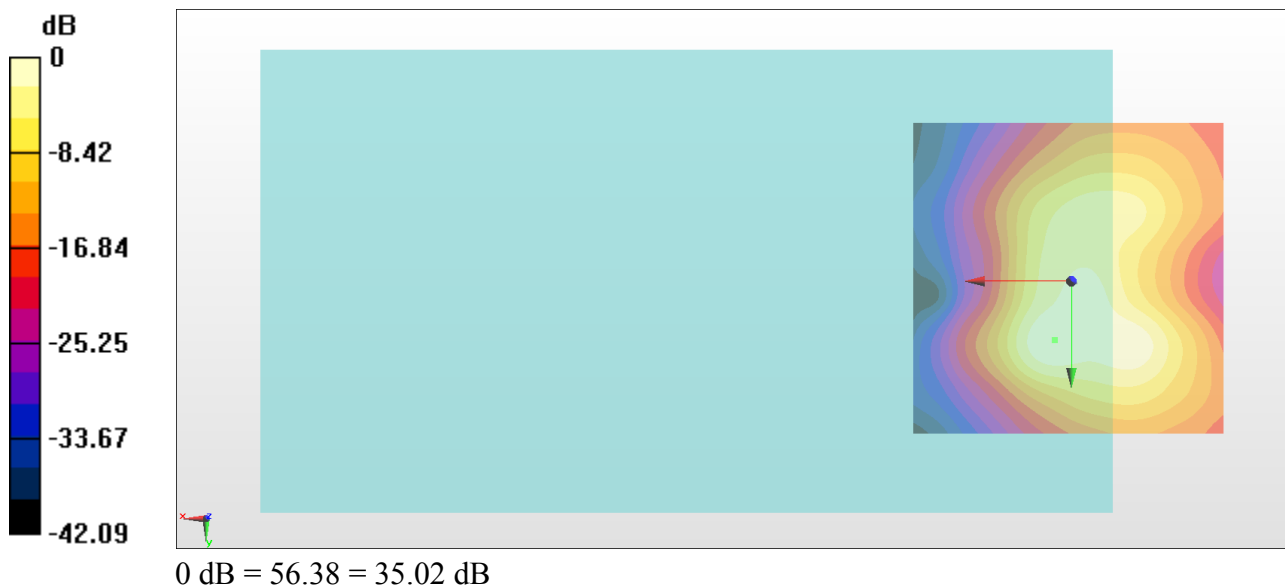- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.02 dB

ABM1 comp = -7.00 dBA/m

Location: 2.6, 9.3, 3.7 mm



0 dB = 56.38 = 35.02 dB

## #2_HAC_T-Coil_GSM1900_EDGE 2 Tx slots_Ch661_Axial (Z)

Communication System: PCS ; Frequency: 1880 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
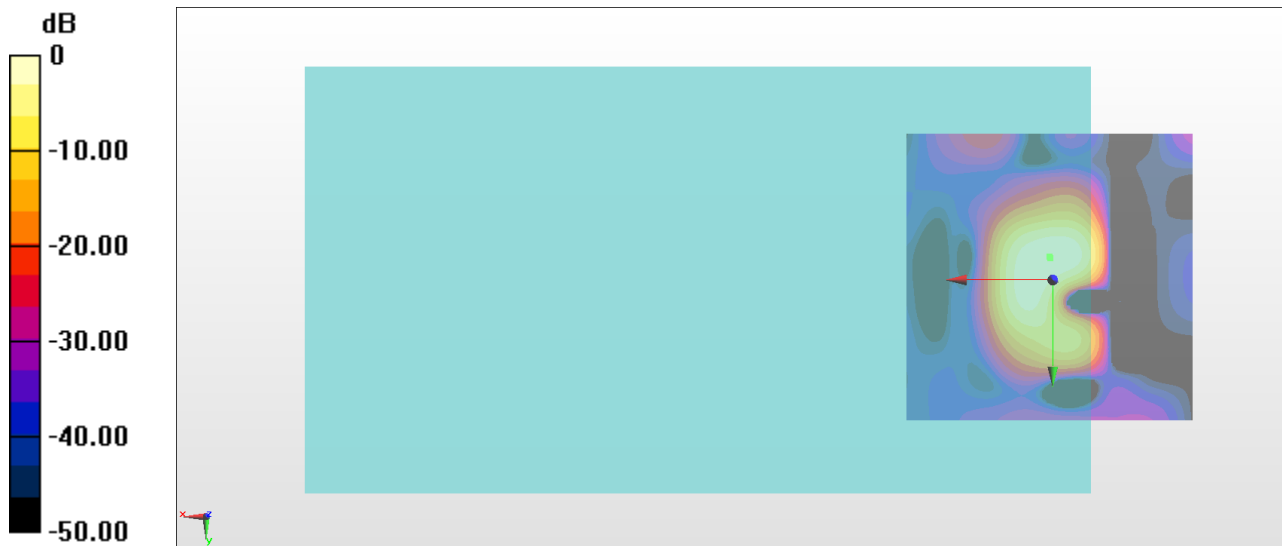- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

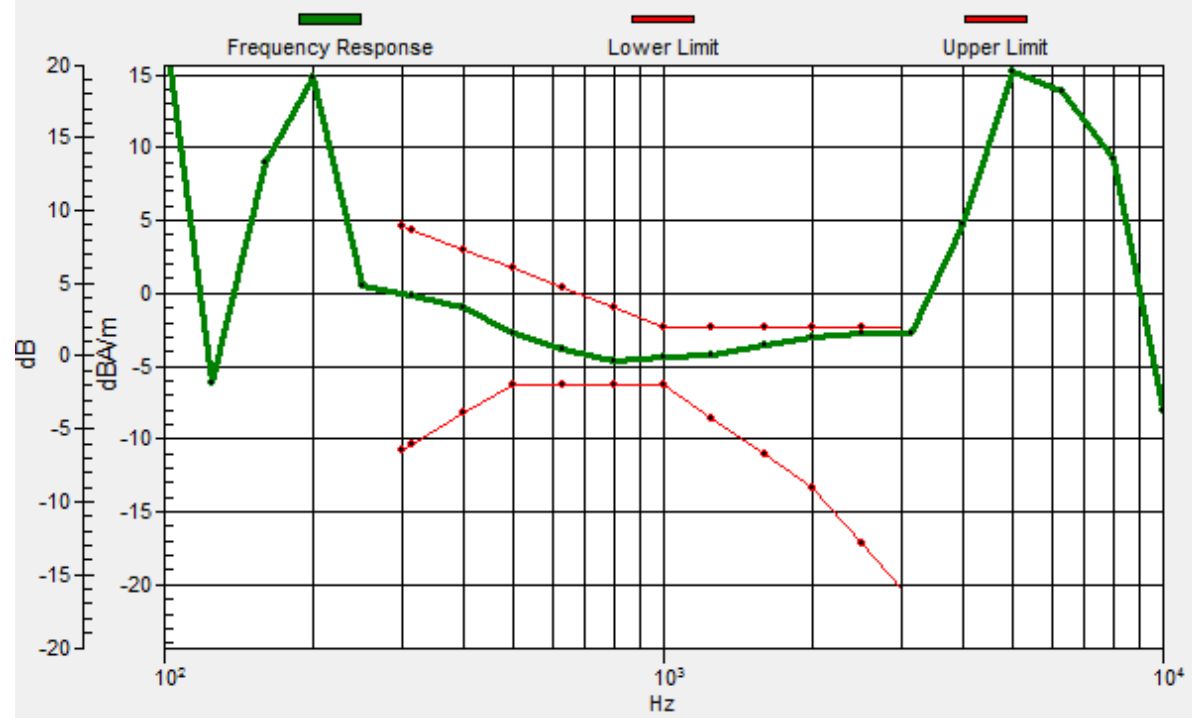Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.18 dB

ABM1 comp = -6.60 dBA/m

Location: 0.5, -4, 3.7 mm



0 dB = 72.30 = 37.18 dB

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

Loc: 0.4, -3.8, 3.7 mm Diff: 0.49dB

Frequency Response    Lower Limit    Upper Limit

## #2_HAC_T-Coil_GSM1900_EDGE 2 Tx slots_Ch661_Transversal (Y)

Communication System: PCS ; Frequency: 1880 MHz

Medium: Air Medium parameters used: σ = 0 S/m, $ε_r$ = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
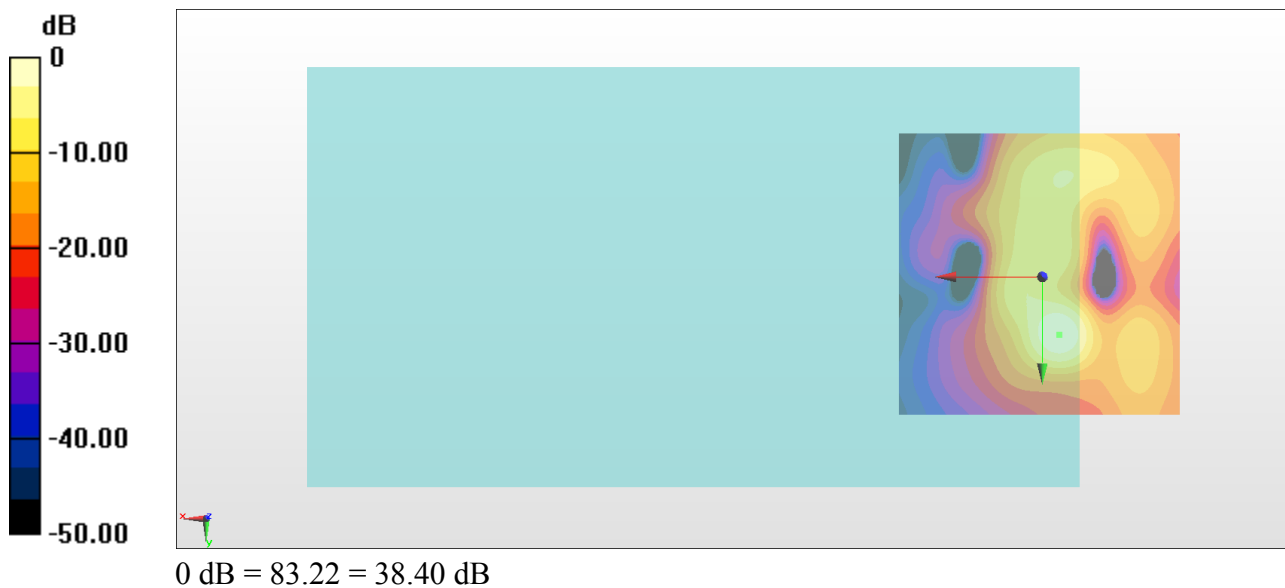- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.40 dB

ABM1 comp = -7.51 dBA/m

Location: -3, 10, 3.7 mm



0 dB = 83.22 = 38.40 dB

## #3_HAC_T-Coil_WCDMA II_HSPA_Ch9400_Axial (Z)

Communication System: WCDMA ; Frequency: 1880 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
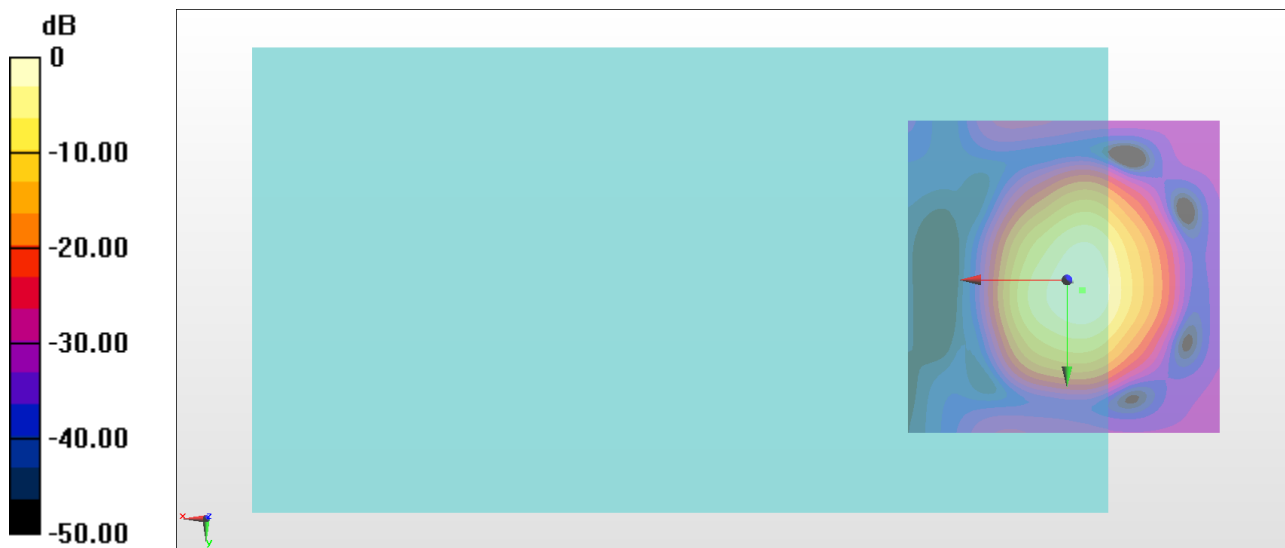- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

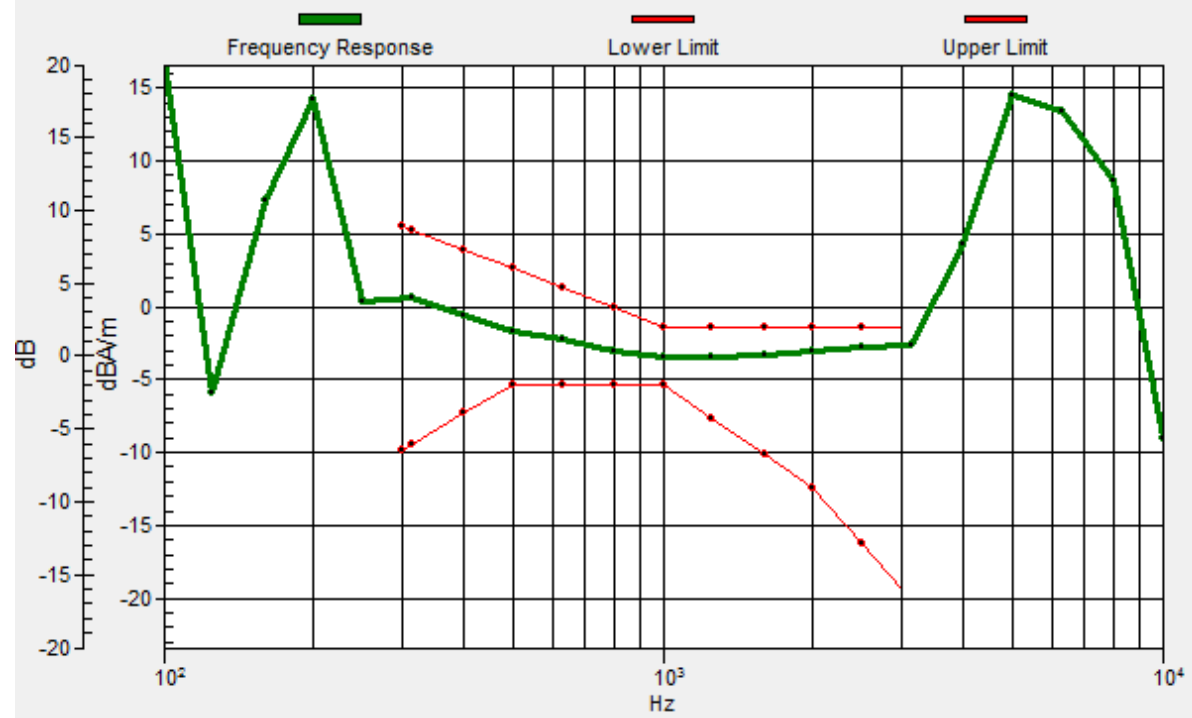Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.45 dB

ABM1 comp = 0.87 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 296.8 = 49.45 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.4, 1.7, 3.7 mm Diff: 1.27dB

# #3_HAC_T-Coil_WCDMA II_HSPA_Ch9400_Transversal (Y)

Communication System:  WCDMA ; Frequency: 1880 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
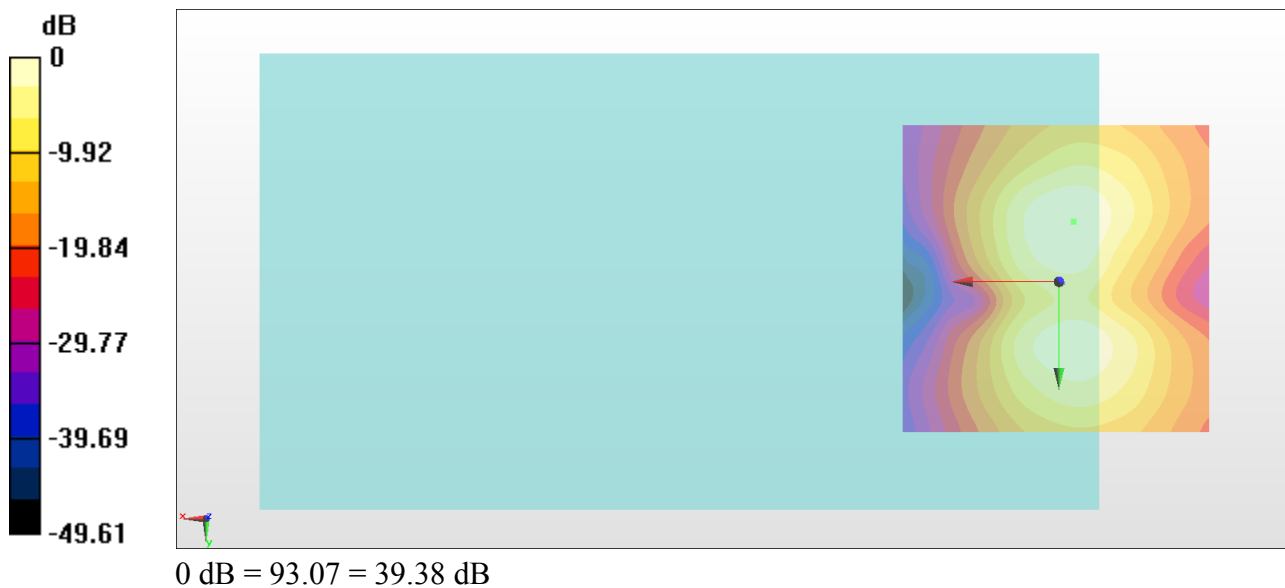- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.38 dB

ABM1 comp = -7.07 dBA/m

Location: -2.3, -9.6, 3.7 mm



0 dB = 93.07 = 39.38 dB

## #4_HAC_T-Coil_WCDMA IV_HSPA_Ch1413_Axial (Z)

Communication System:  WCDMA ; Frequency: 1732.6 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
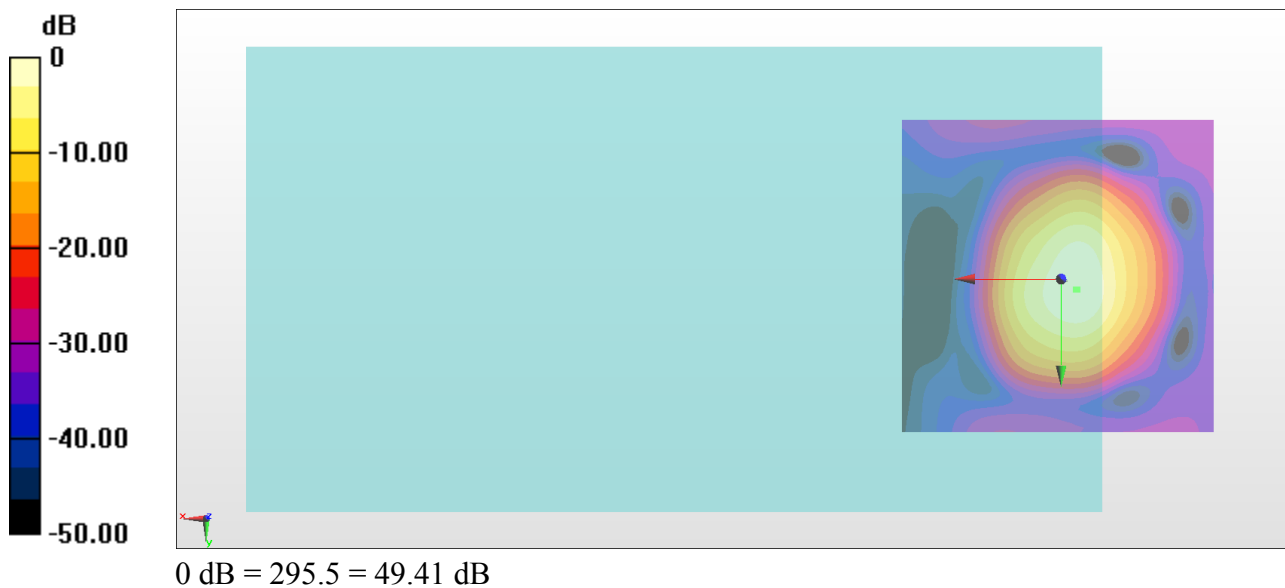- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

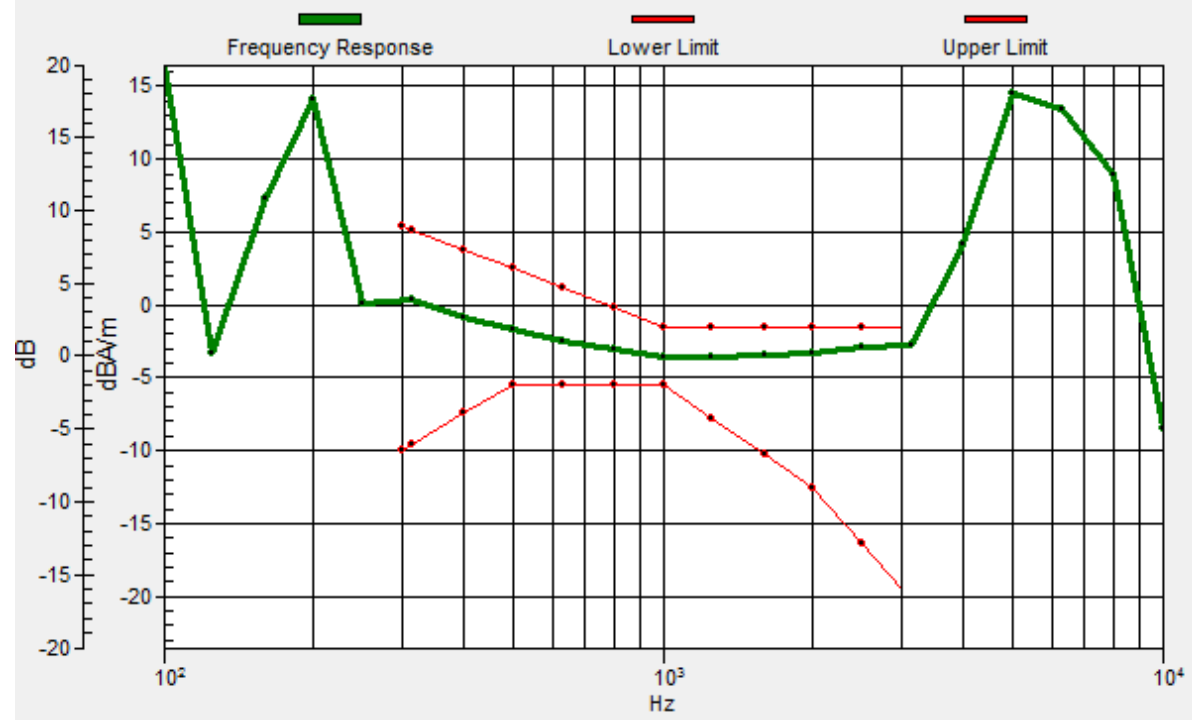Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.41 dB

ABM1 comp = 0.79 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 295.5 = 49.41 dB

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

Loc: -2.6, 1.7, 3.7 mm Diff: 1.28dB

# #4_HAC_T-Coil_WCDMA IV_HSPA_Ch1413_Transversal (Y)

Communication System:  WCDMA ; Frequency: 1732.6 MHz

Medium: Air Medium parameters used: σ = 0 S/m, $\varepsilon_r$ = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
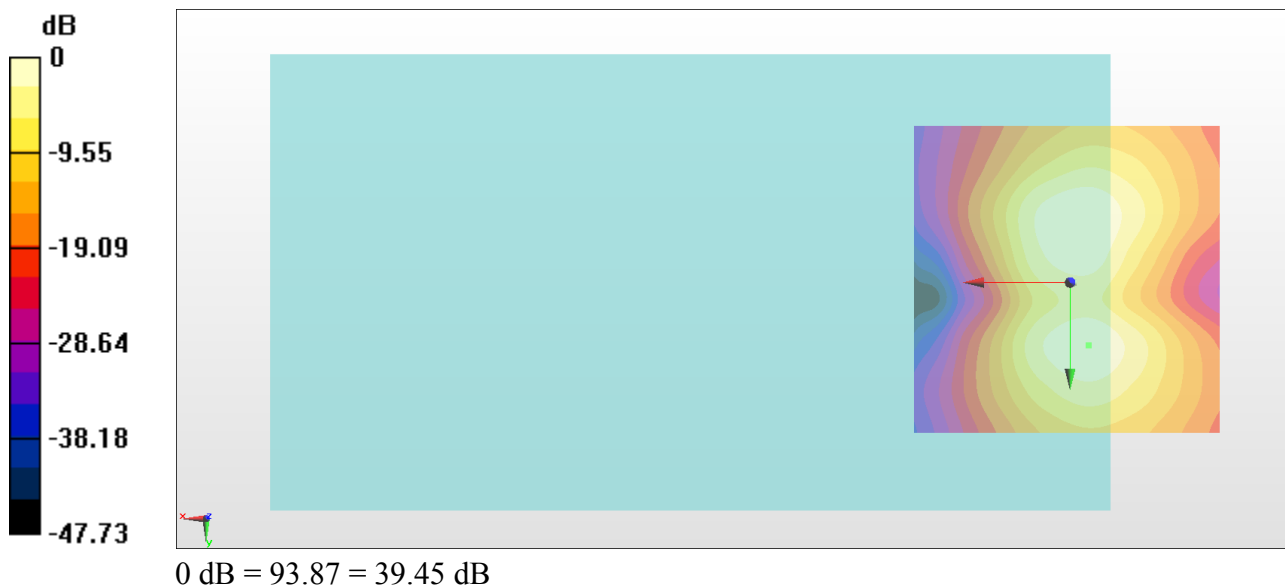
## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.45 dB

ABM1 comp = -6.64 dBA/m

Location: -3, 10, 3.7 mm



0 dB = 93.87 = 39.45 dB

## #5_HAC_T-Coil_WCDMA V_HSPA_Ch4182_Axial (Z)

Communication System:  WCDMA ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: σ = 0 S/m, $\varepsilon_r$ = 1; ρ = 0 kg/m³

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
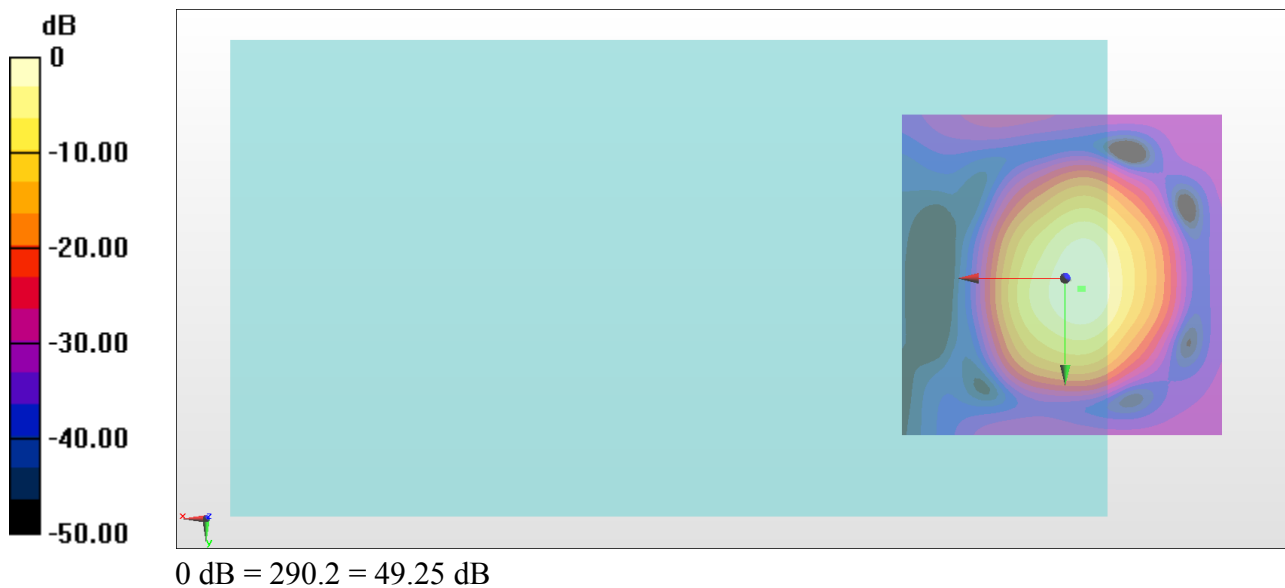- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.25 dB

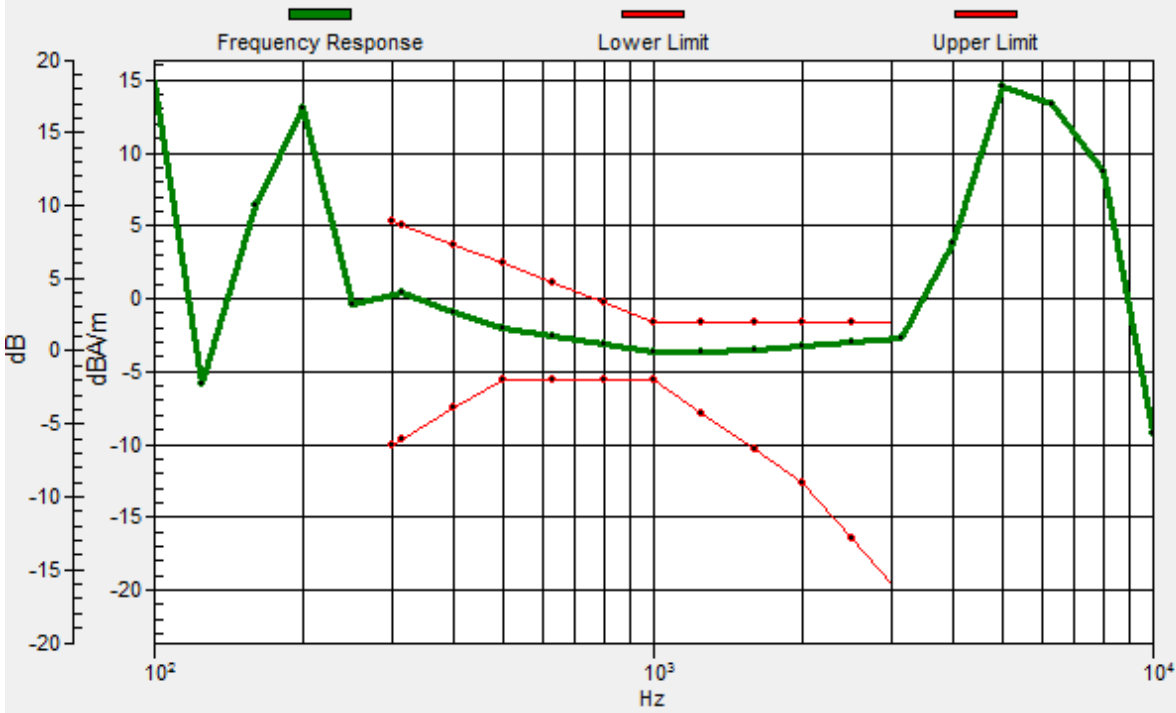ABM1 comp = 0.83 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 290.2 = 49.25 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.7, 1.6, 3.7 mm Diff: 1.21dB

# #5_HAC_T-Coil_WCDMA V_HSPA_Ch4182_Transversal (Y)

Communication System:  WCDMA ; Frequency: 836.4 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
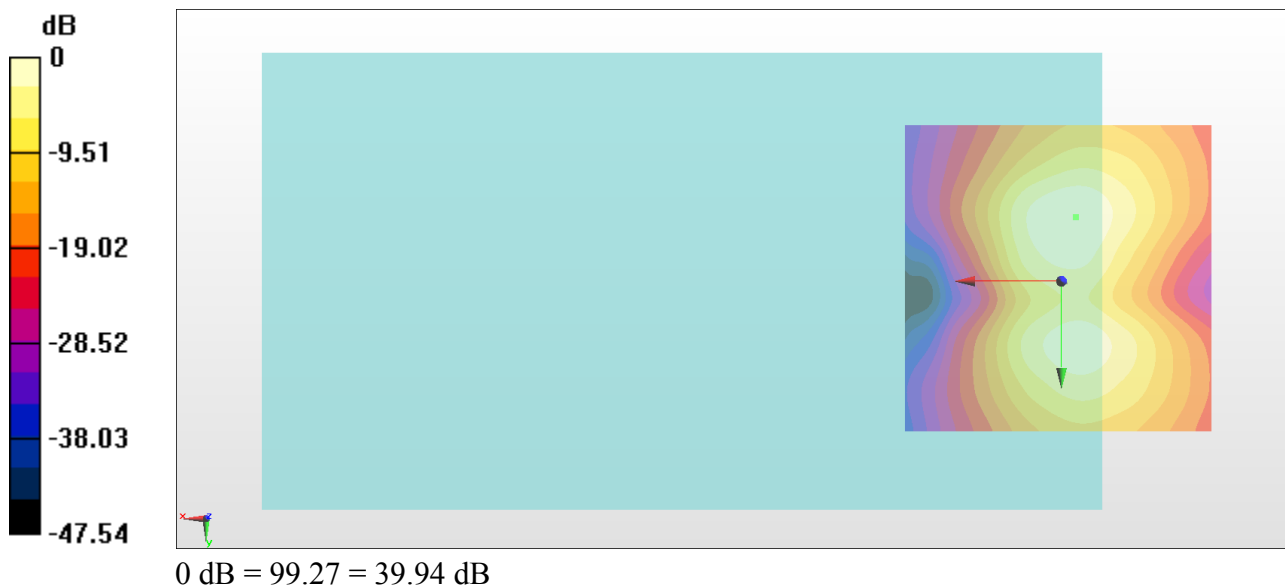- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.94 dB

ABM1 comp = -7.03 dBA/m

Location: -2.3, -10.3, 3.7 mm



0 dB = 99.27 = 39.94 dB

## #6_HAC_T-Coil_LTE Band 2_20M_QPSK_1_0_Ch18900_Axial (Z)

Communication System: LTE ; Frequency: 1880 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
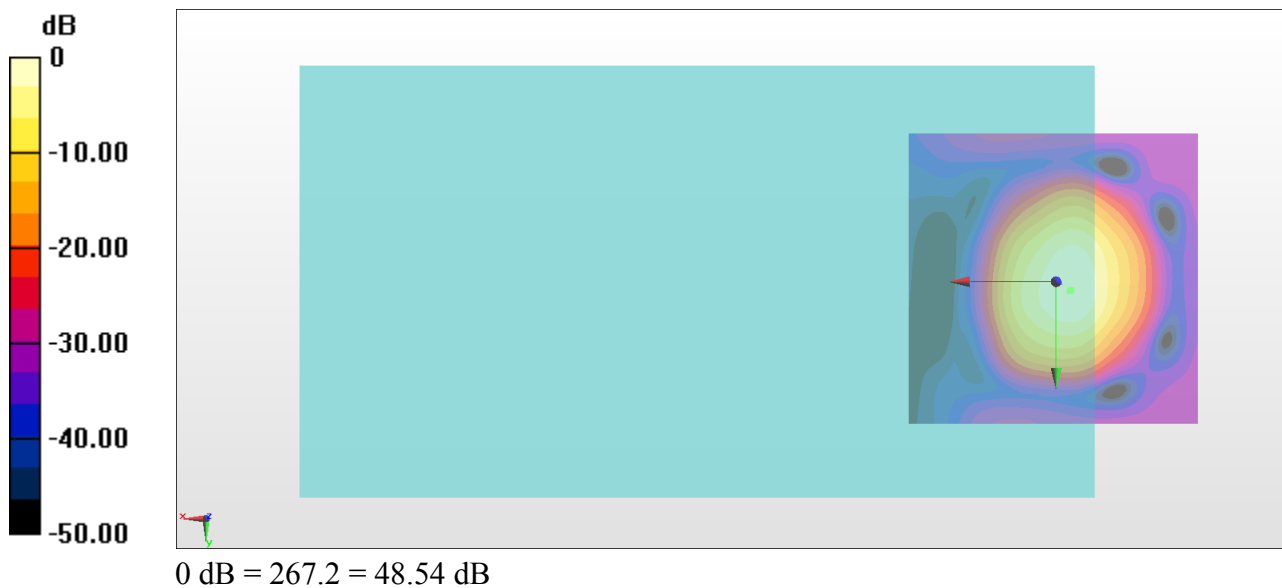- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
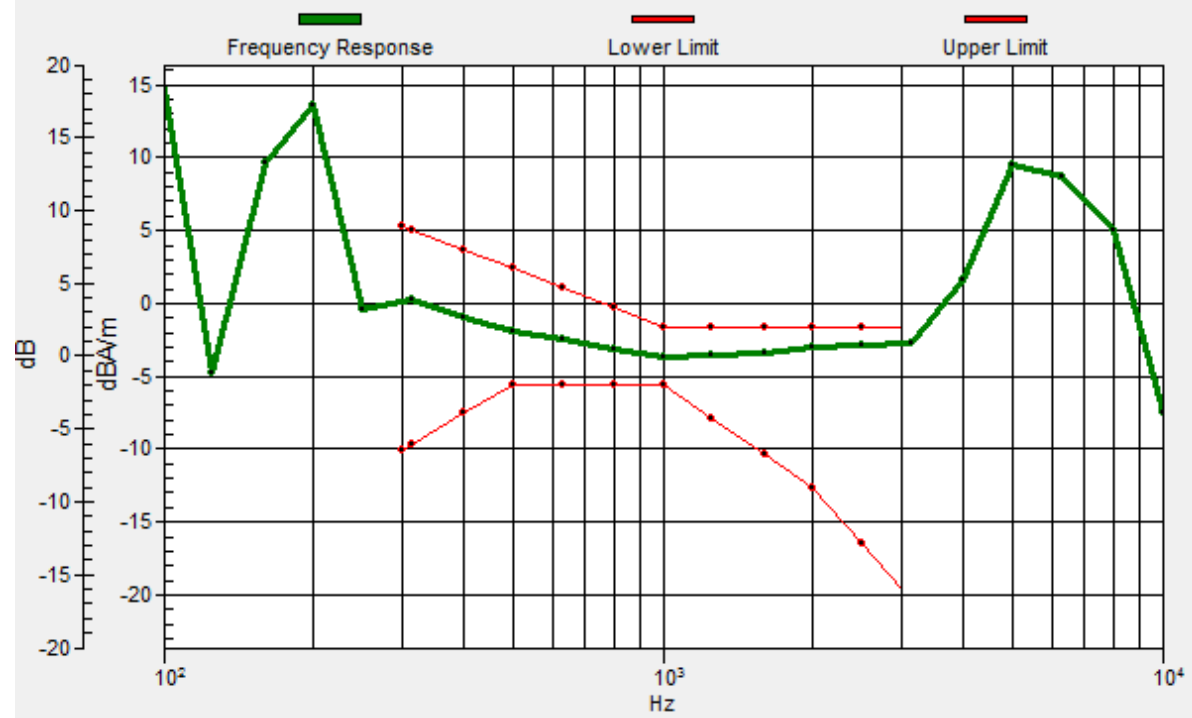
ABM1/ABM2 = 48.54 dB

ABM1 comp = 0.56 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 267.2 = 48.54 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.6, 1.4, 3.7 mm Diff: 1.16dB

# #6_HAC_T-Coil_LTE Band 2_20M_QPSK_1_0_Ch18900_Transversal (Y)

Communication System: LTE ; Frequency: 1880 MHz

Medium: Air Medium parameters used: σ = 0 S/m, ε$_r$ = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
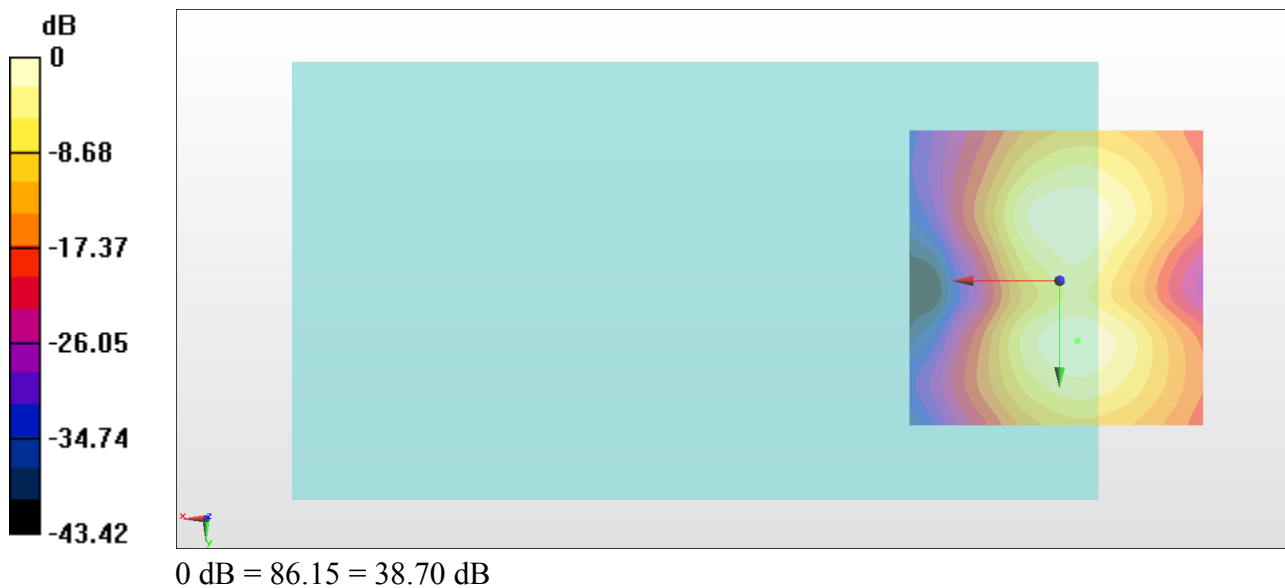
## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.70 dB

ABM1 comp = -6.85 dBA/m

Location: -3, 10, 3.7 mm



0 dB = 86.15 = 38.70 dB

## #7_HAC_T-Coil_LTE Band 4_20M_QPSK_1_0_Ch20175_Axial (Z)

Communication System: LTE ; Frequency: 1732.5 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
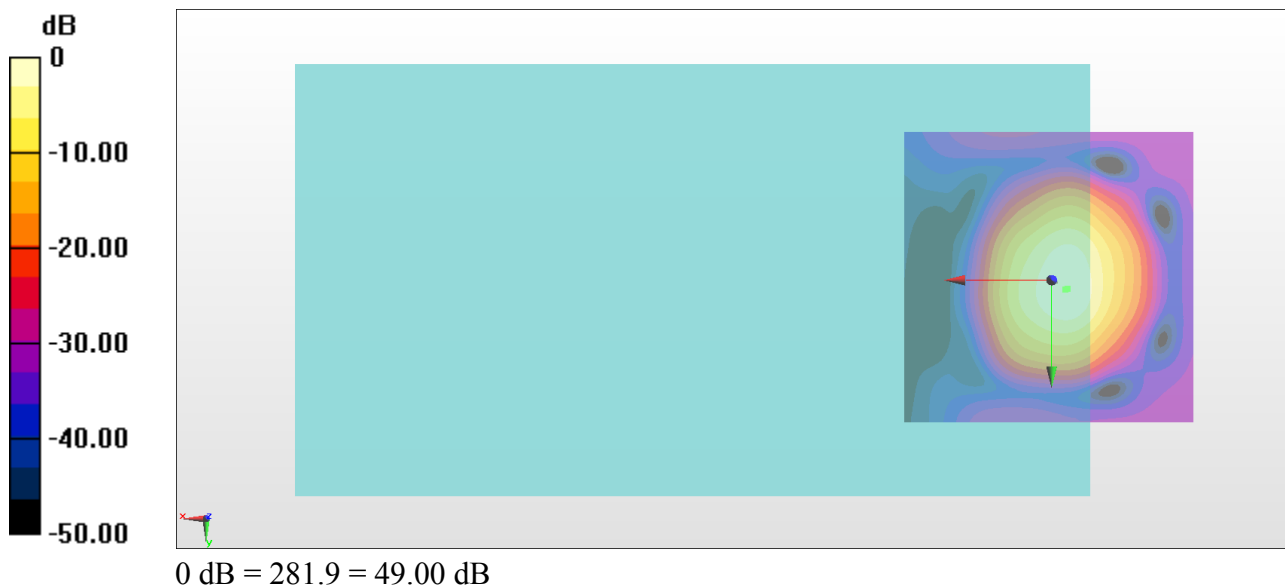- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

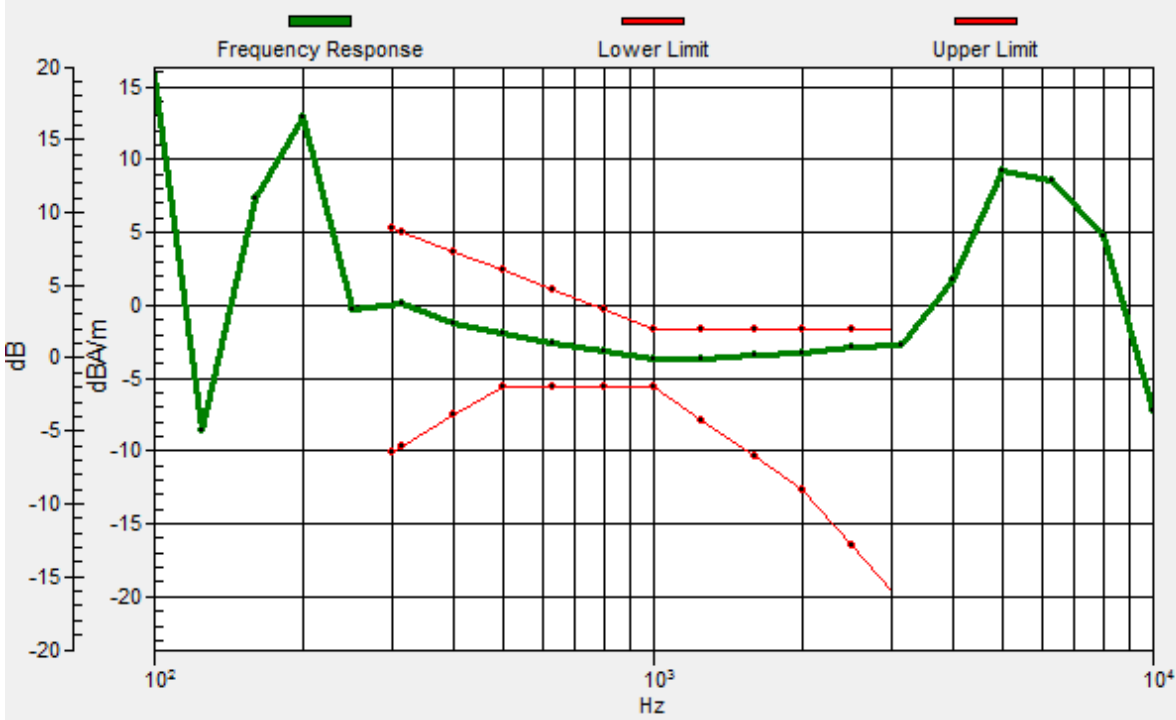Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.00 dB

ABM1 comp = 0.48 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 281.9 = 49.00 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.7, 1.5, 3.7 mm Diff: 1.19dB

Frequency Response     Lower Limit     Upper Limit

# #7_HAC_T-Coil_LTE Band 4_20M_QPSK_1_0_Ch20175_Transversal (Y)

Communication System: LTE ; Frequency: 1732.5 MHz

Medium: Air Medium parameters used: σ = 0 S/m, $\varepsilon_r$ = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
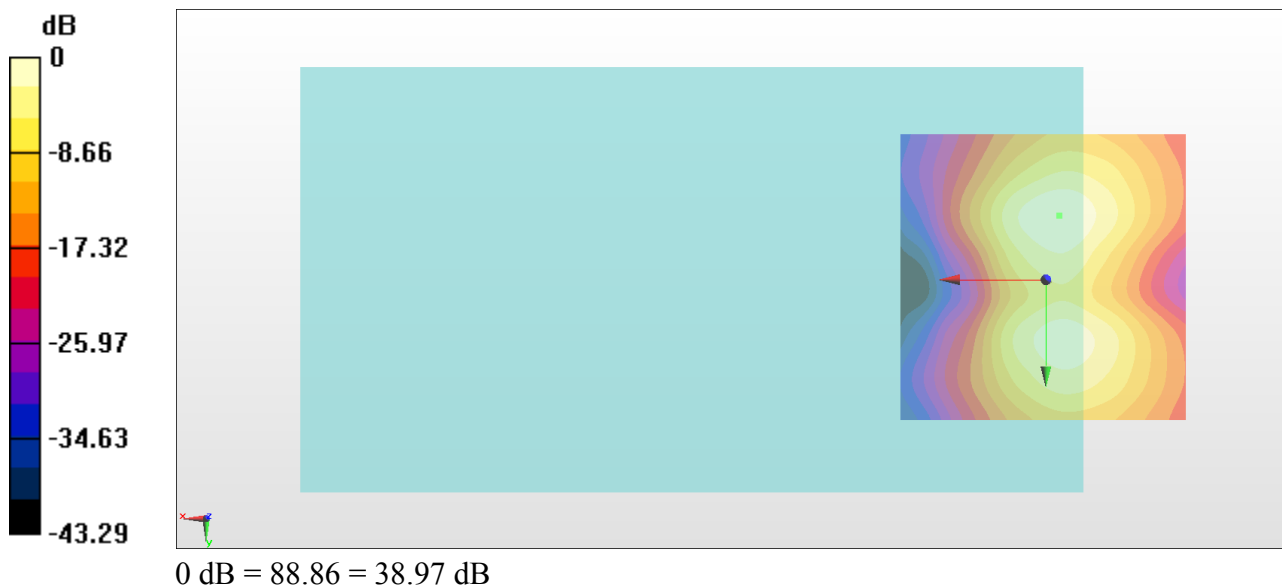- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.97 dB

ABM1 comp = -7.11 dBA/m

Location: -2.3, -11, 3.7 mm



0 dB = 88.86 = 38.97 dB

## #8_HAC_T-Coil_LTE Band 5_10M_QPSK_1_0_Ch20525_Axial (Z)

Communication System: LTE ; Frequency: 836.5 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
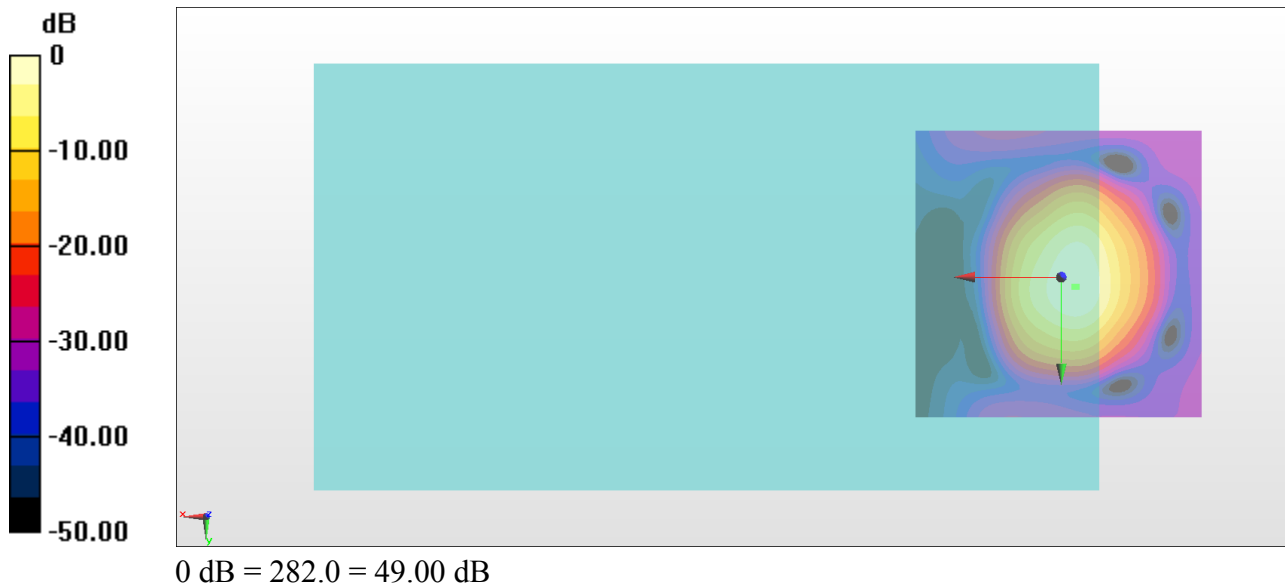- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

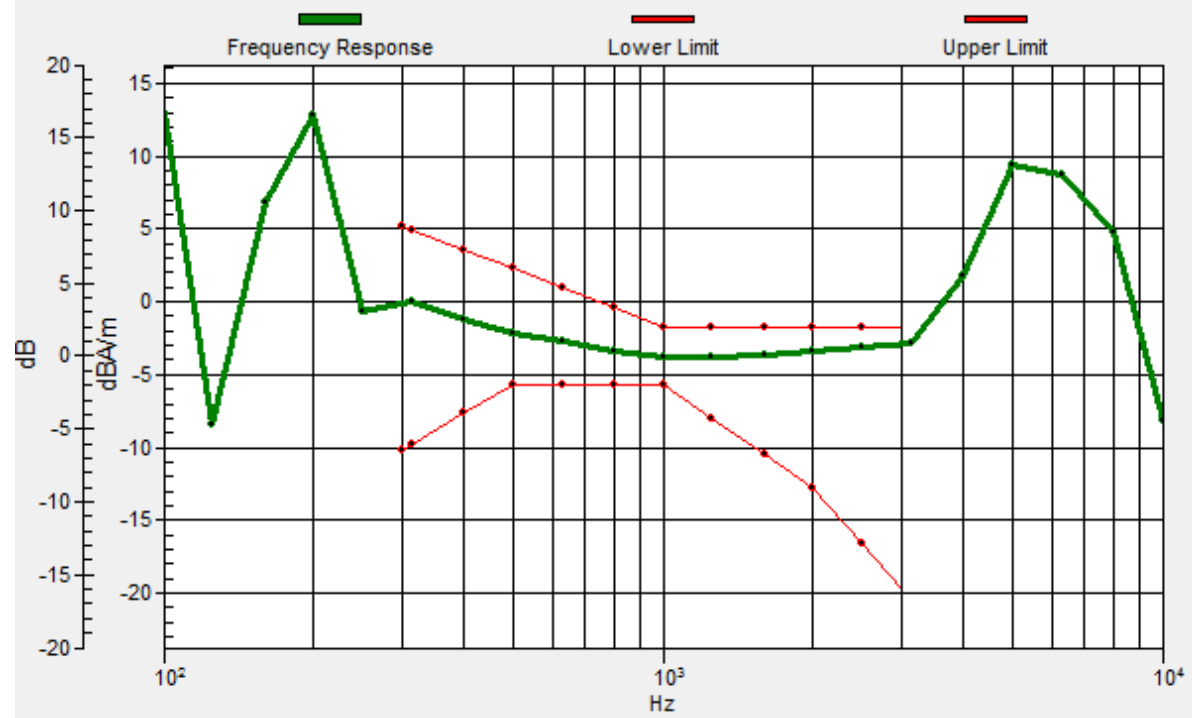Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.01 dB

ABM1 comp = 0.52 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 282.0 = 49.00 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.7, 1.6, 3.7 mm Diff: 1.22dB

Frequency Response    Lower Limit    Upper Limit

# #8_HAC_T-Coil_LTE Band 5_10M_QPSK_1_0_Ch20525_Transversal (Y)

Communication System: LTE ; Frequency: 836.5 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
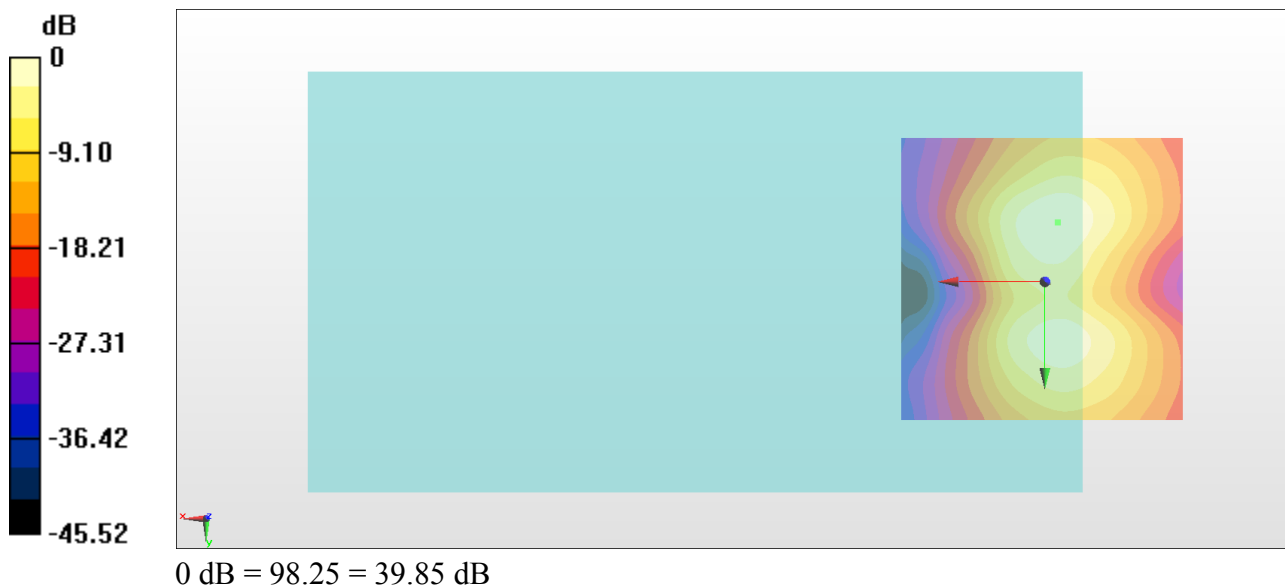- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.85 dB

ABM1 comp = -7.11 dBA/m

Location: -2.3, -10.3, 3.7 mm



0 dB = 98.25 = 39.85 dB

## #9_HAC_T-Coil_LTE Band 12_10M_QPSK_1_0_Ch23095_Axial (Z)

Communication System: LTE ; Frequency: 707.5 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
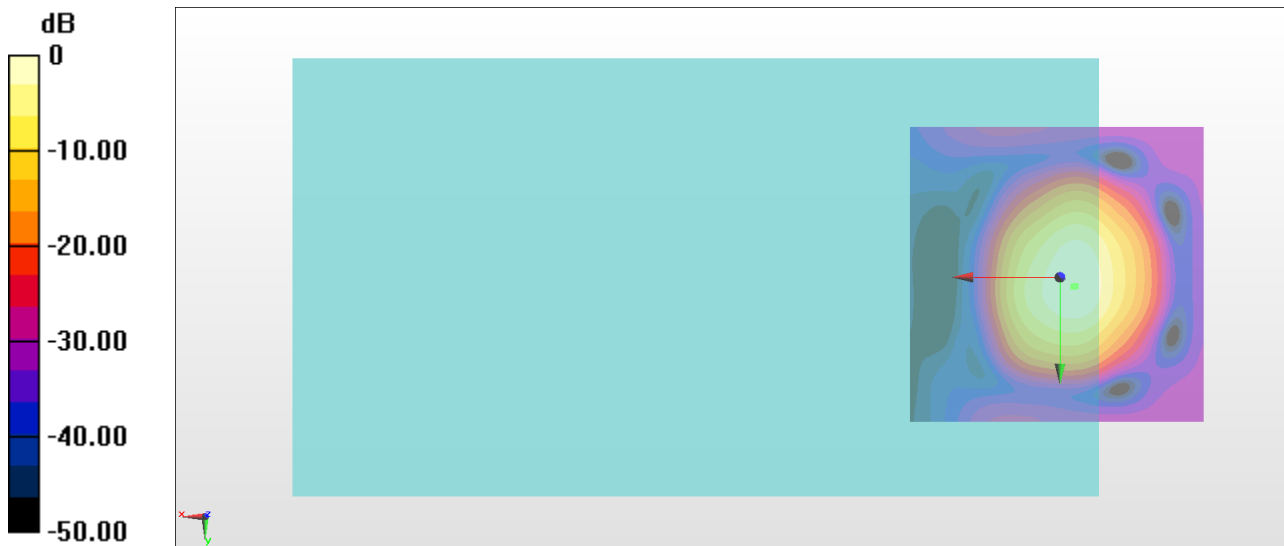- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):
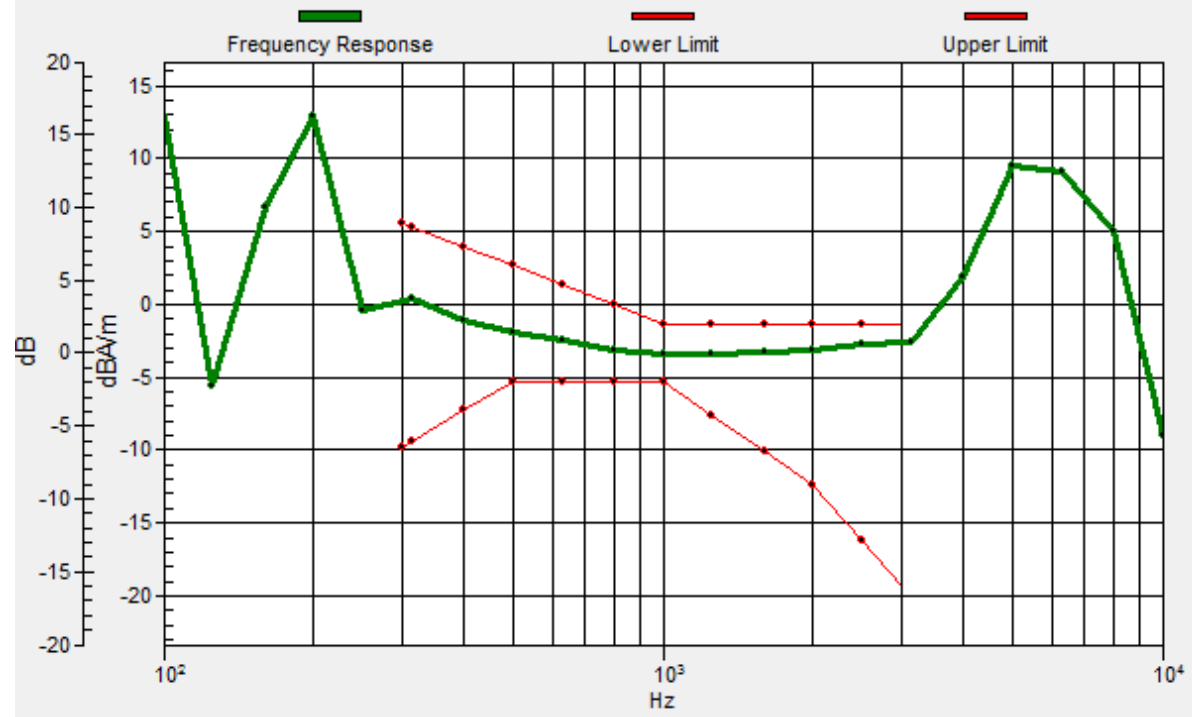Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 49.13 dB
ABM1 comp = 0.55 dBA/m
Location: -2.3, 1.6, 3.7 mm



0 dB = 286.2 = 49.13 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.6, 1.5, 3.7 mm Diff: 1.29dB

## #9_HAC_T-Coil_LTE Band 12_10M_QPSK_1_0_Ch23095_Transversal (Y)

Communication System: LTE ; Frequency: 707.5 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
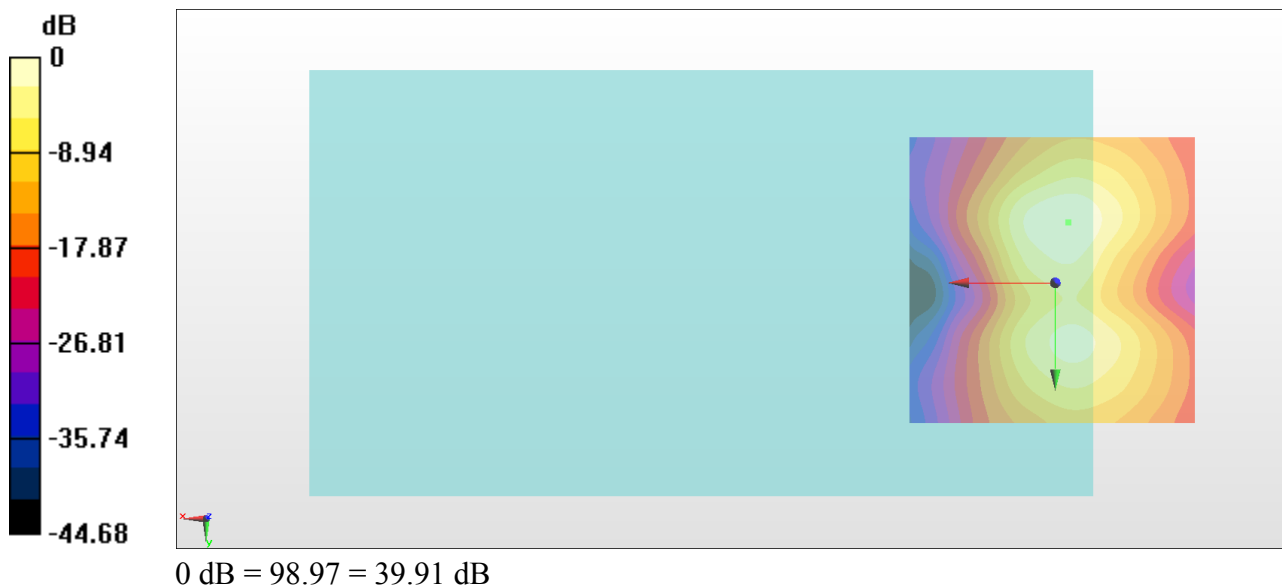- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.91 dB

ABM1 comp = -7.02 dBA/m

Location: -2.3, -10.3, 3.7 mm



0 dB = 98.97 = 39.91 dB

## #10_HAC_T-Coil_LTE Band 17_10M_QPSK_1_0_Ch23790_Axial (Z)

Communication System: LTE ; Frequency: 710 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
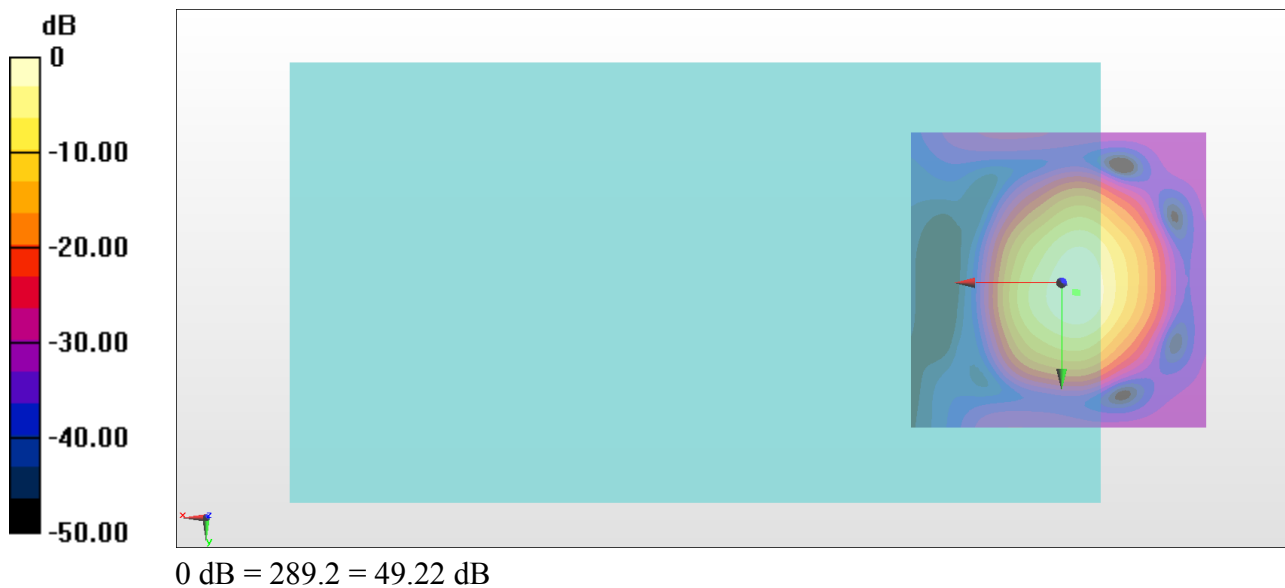- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

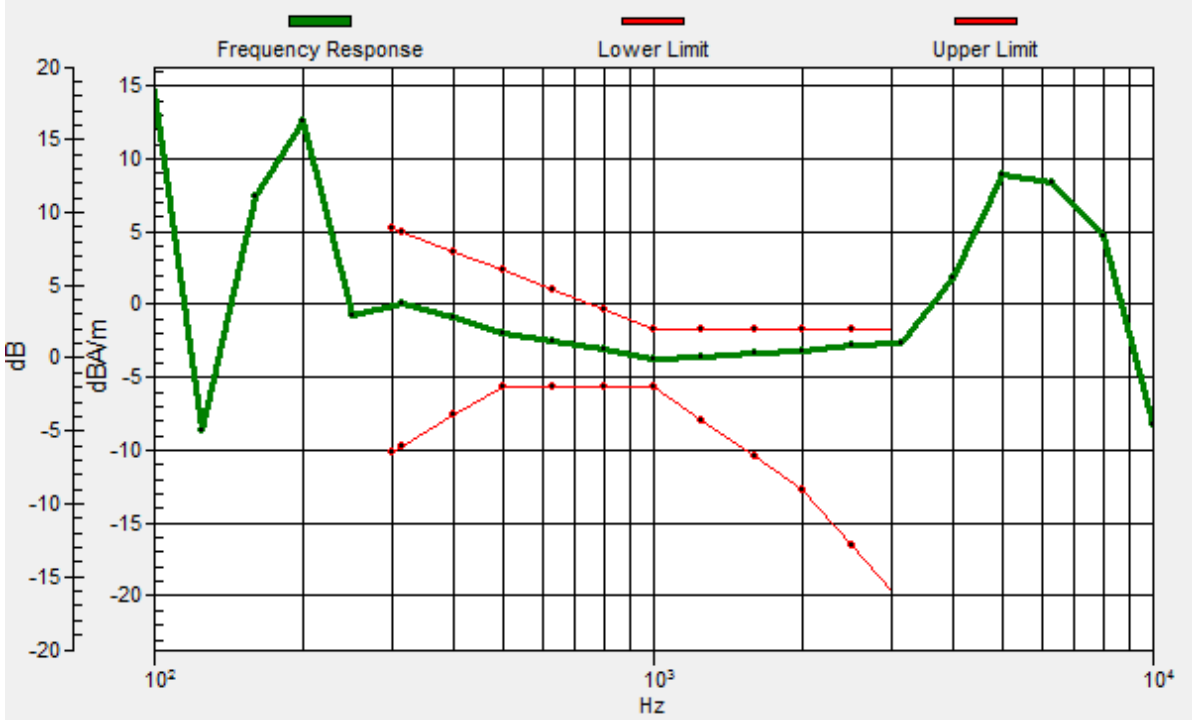Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.23 dB

ABM1 comp = 0.59 dBA/m

Location: -2.3, 1.6, 3.7 mm



0 dB = 289.2 = 49.22 dB

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

Loc: -2.7, 1.7, 3.7 mm Diff: 1.01dB

Frequency Response    Lower Limit    Upper Limit

# #10_HAC_T-Coil_LTE Band 17_10M_QPSK_1_0_Ch23790_Transversal (Y)

Communication System: LTE ; Frequency: 710 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
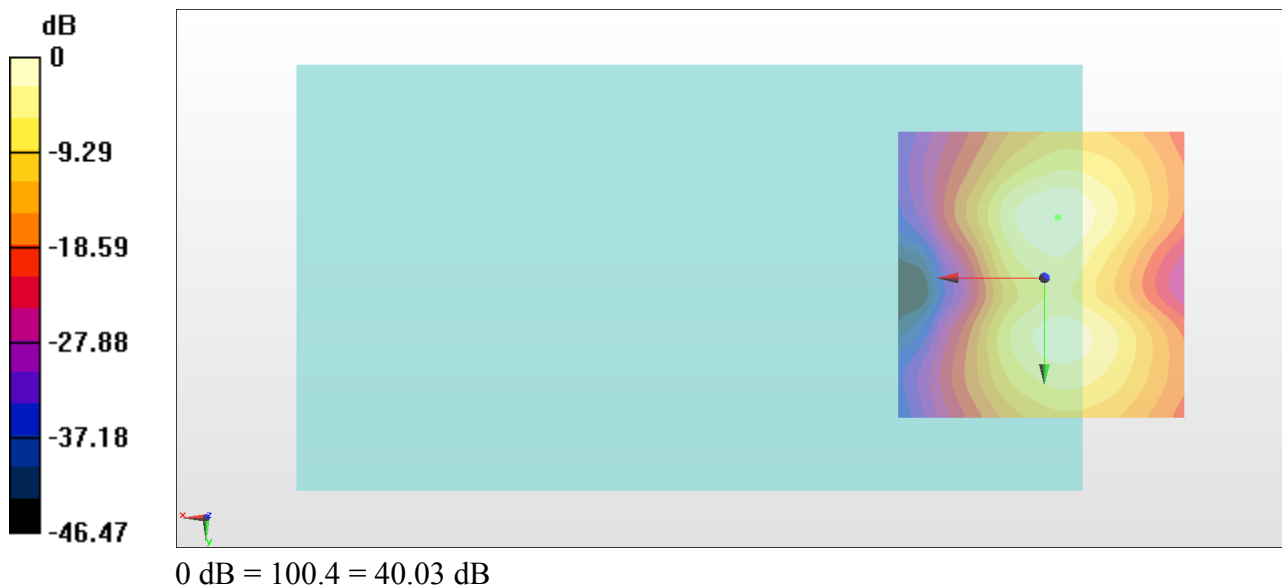- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.03 dB

ABM1 comp = -7.00 dBA/m

Location: -2.3, -10.3, 3.7 mm



0 dB = 100.4 = 40.03 dB

# #11_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Axial (Z)

Communication System: 802.11b ; Frequency: 2437 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
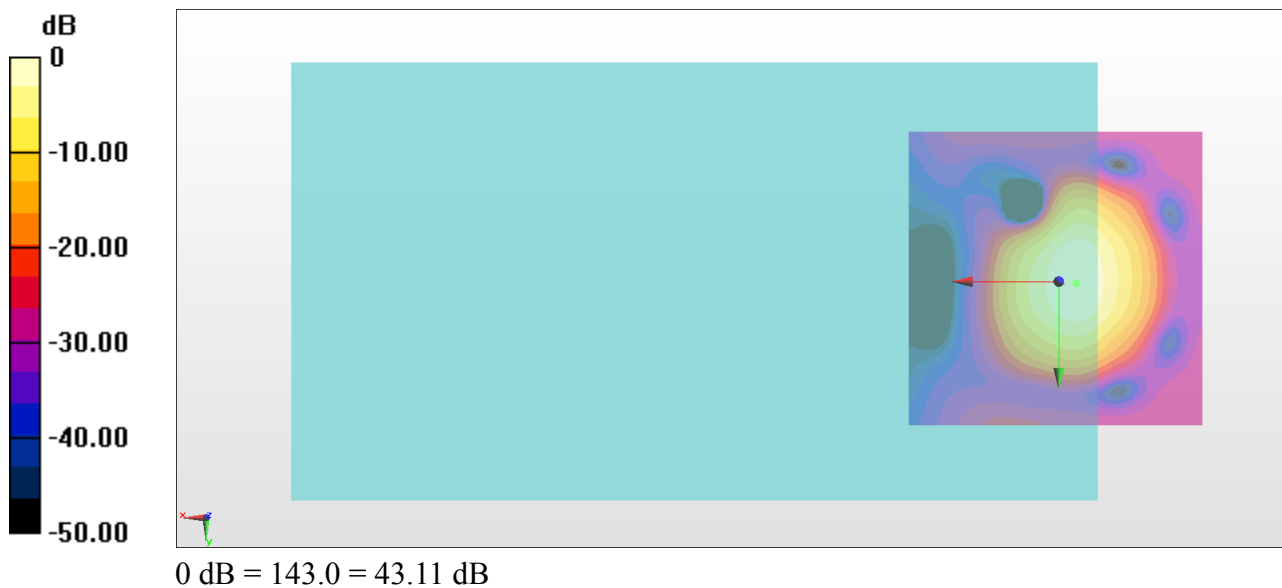- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

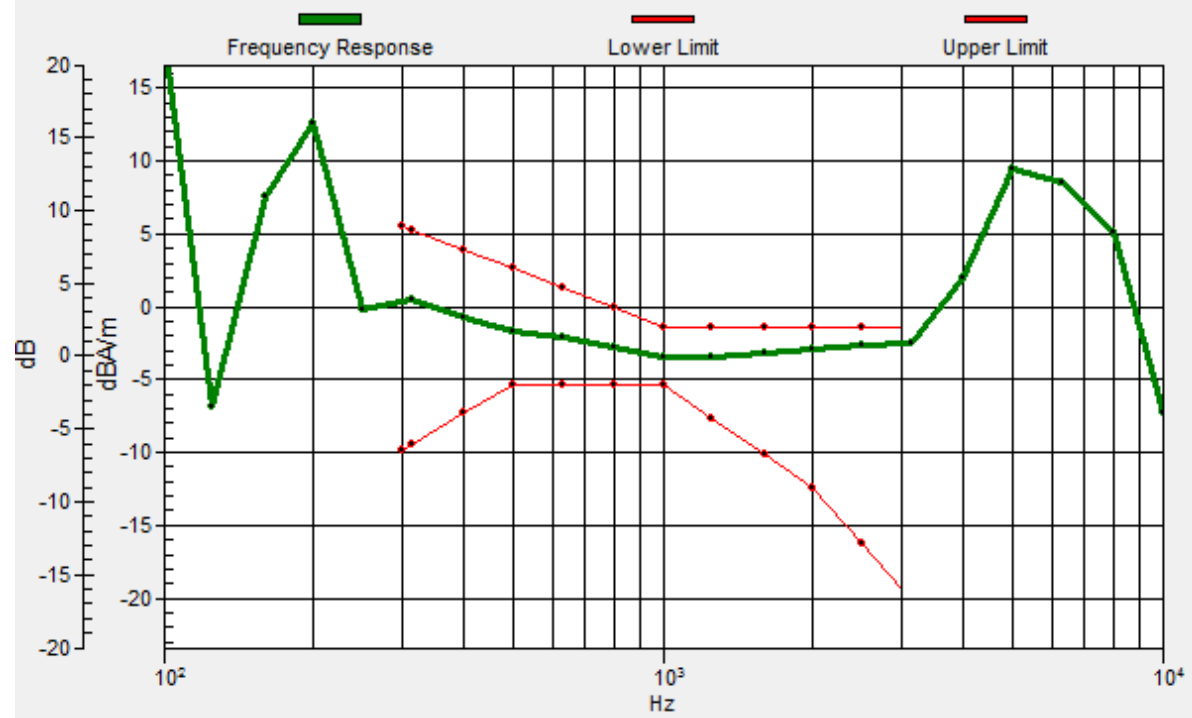Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 43.11 dB
ABM1 comp = 0.53 dBA/m
Location: -3, 0.2, 3.7 mm



0 dB = 143.0 = 43.11 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.9, 0.3, 3.7 mm Diff: 1.15dB

# #11_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Transversal (Y)

Communication System: 802.11b ; Frequency: 2437 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
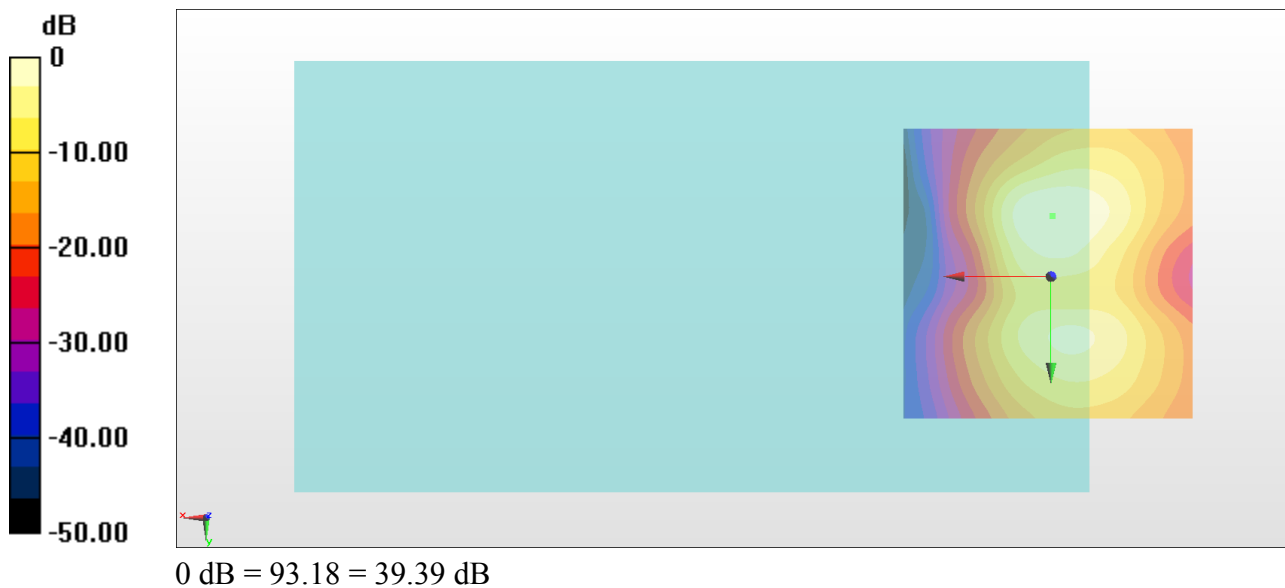- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.39 dB

ABM1 comp = -6.71 dBA/m

Location: -0.2, -10.3, 3.7 mm



0 dB = 93.18 = 39.39 dB

# #12_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Axial (Z)

Communication System:  802.11a ; Frequency: 5200 MHz

Medium: Air Medium parameters used: σ = 0 S/m, $\varepsilon_r$ = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)
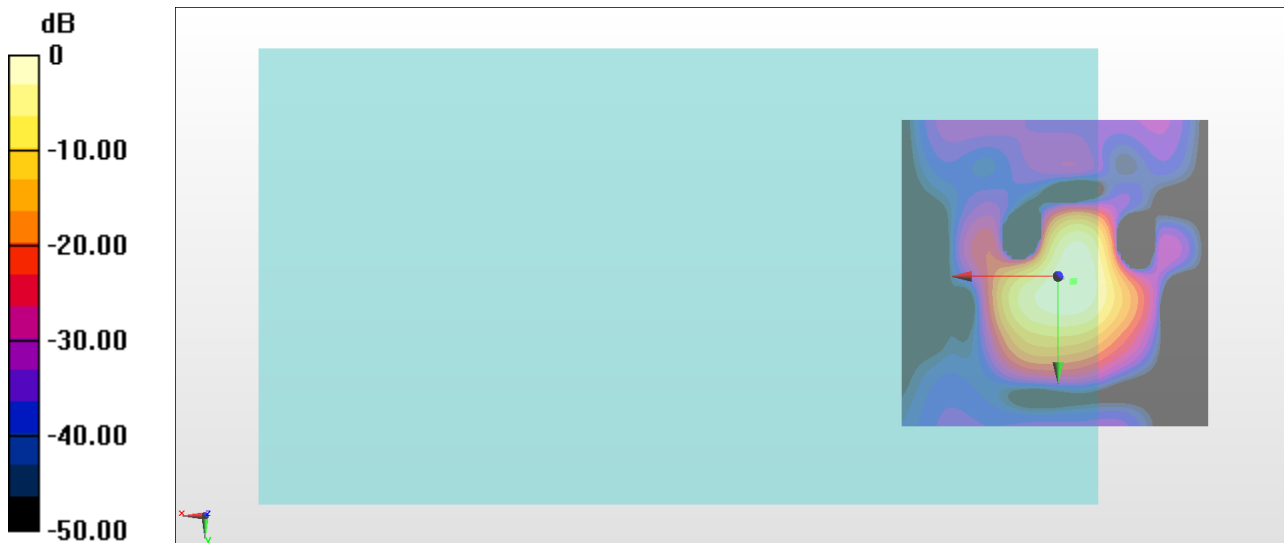
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**
Interpolated grid: dx=1.000 mm, dy=1.000 mm
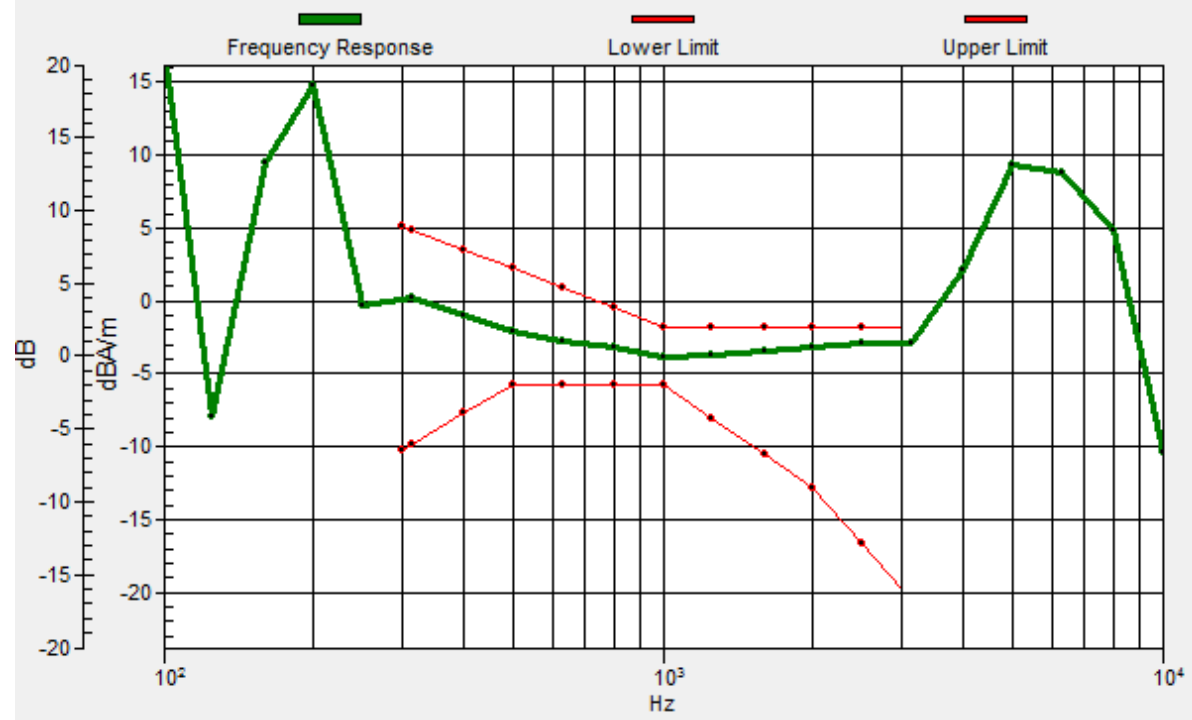ABM1/ABM2 = 46.65 dB
ABM1 comp = 0.55 dBA/m
Location: -2.3, 0.9, 3.7 mm



0 dB = 215.1 = 46.65 dB

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

Loc: -2.6, 0.7, 3.7 mm Diff: 1.11dB

# #12_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Transversal (Y)

Communication System: 802.11a ; Frequency: 5200 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
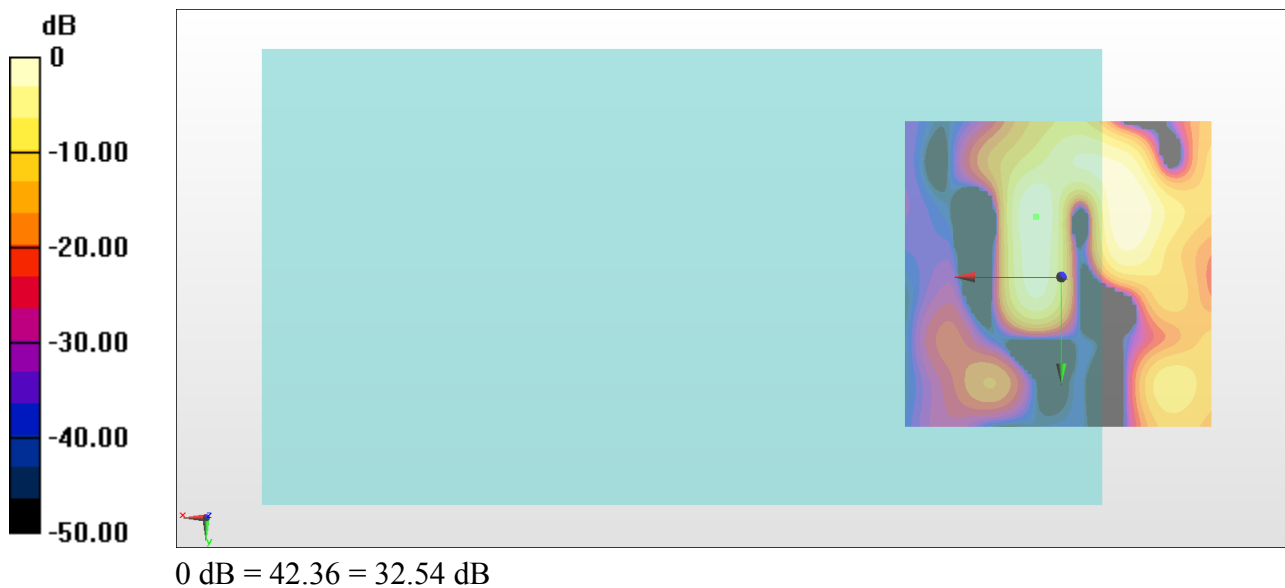- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.54 dB

ABM1 comp = -6.79 dBA/m

Location: 4, -9.6, 3.7 mm



0 dB = 42.36 = 32.54 dB

# #13_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Axial (Z)

Communication System:  802.11a ; Frequency: 5300 MHz

Medium: Air Medium parameters used: σ = 0 S/m, ε_r = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
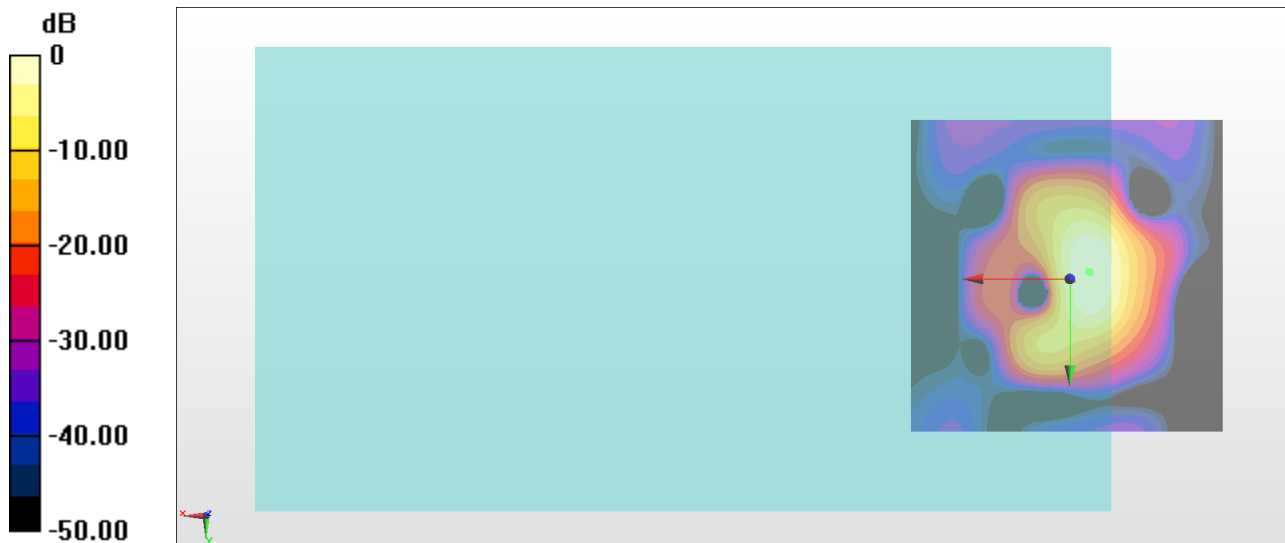- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
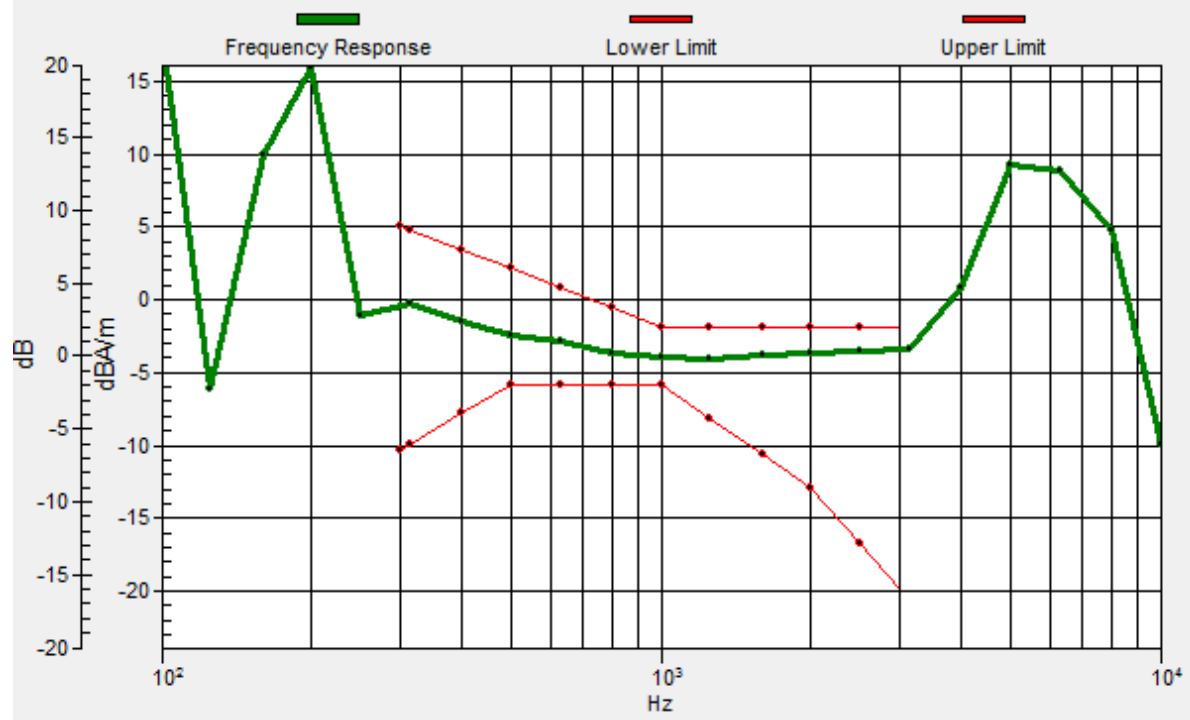
ABM1/ABM2 = 44.69 dB

ABM1 comp = 0.52 dBA/m

Location: -3, -1.2, 3.7 mm



0 dB = 171.6 = 44.69 dB

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

Loc: -3.1, -1, 3.7 mm Diff: 1.53dB

Frequency Response    Lower Limit    Upper Limit

## #13_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Transversal (Y)

Communication System:  802.11a ; Frequency: 5300 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
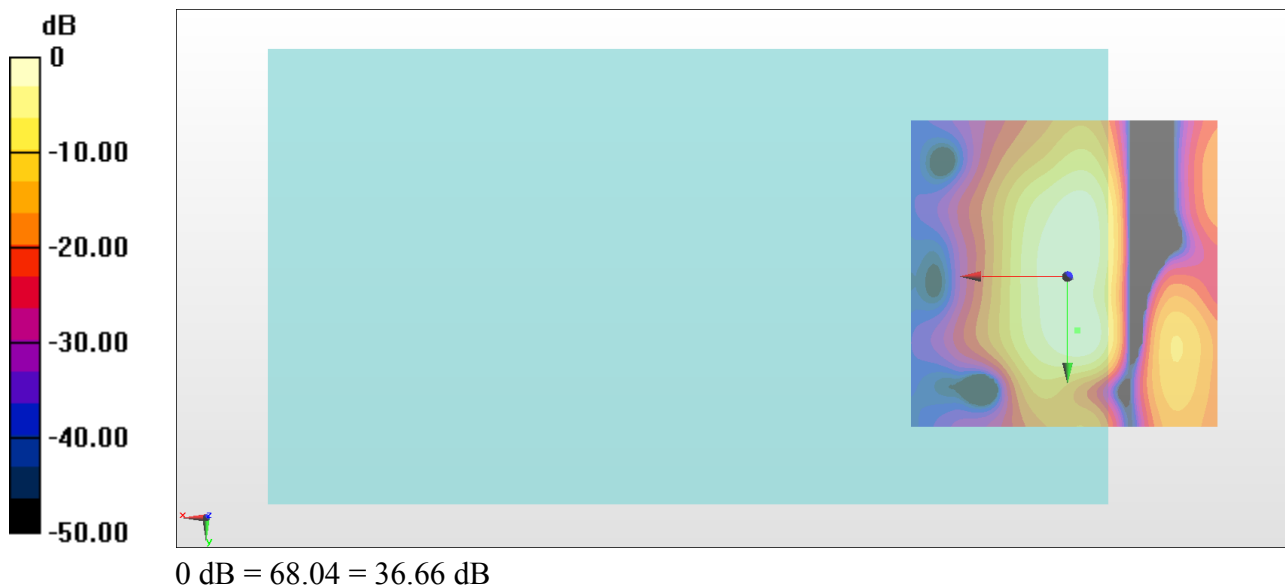- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.66 dB

ABM1 comp = -6.77 dBA/m

Location: -1.6, 8.6, 3.7 mm



0 dB = 68.04 = 36.66 dB

# #14_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Axial (Z)

Communication System:  802.11a ; Frequency: 5620 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
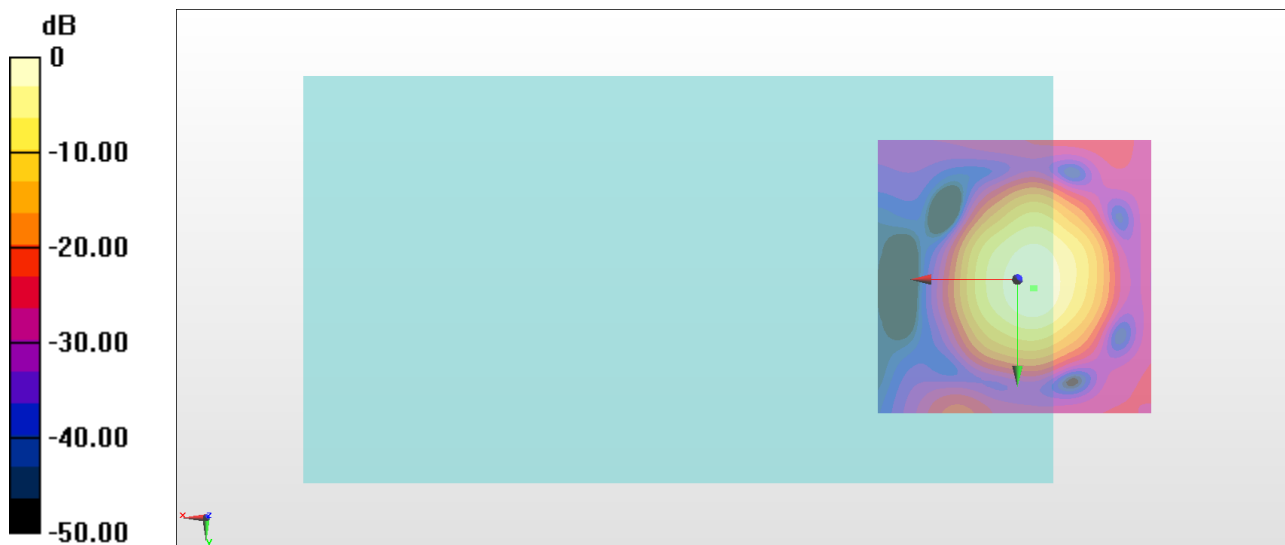- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
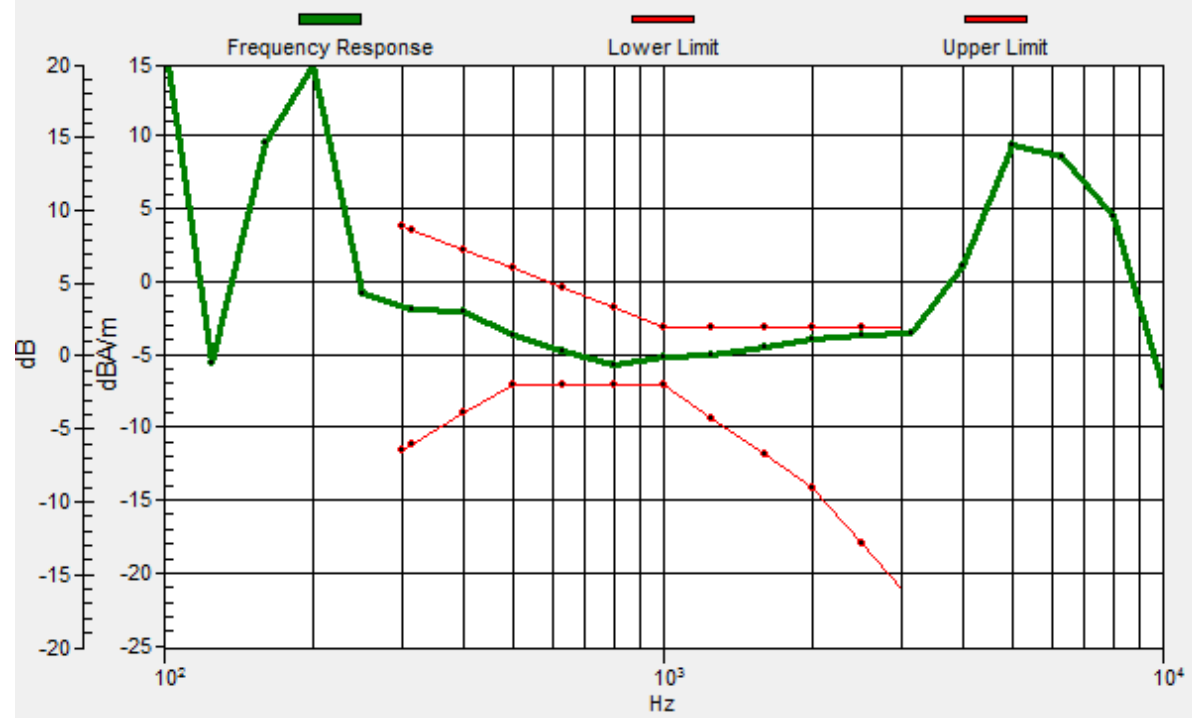
ABM1/ABM2 = 40.66 dB

ABM1 comp = 0.10 dBA/m

Location: -3, 1.6, 3.7 mm



0 dB = 107.9 = 40.66 dB

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

Loc: -2.8, 1.6, 3.7 mm Diff: 0.51dB

**Frequency Response**     **Lower Limit**     **Upper Limit**

# #14_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Transversal (Y)

Communication System:  802.11a; Frequency: 5620 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
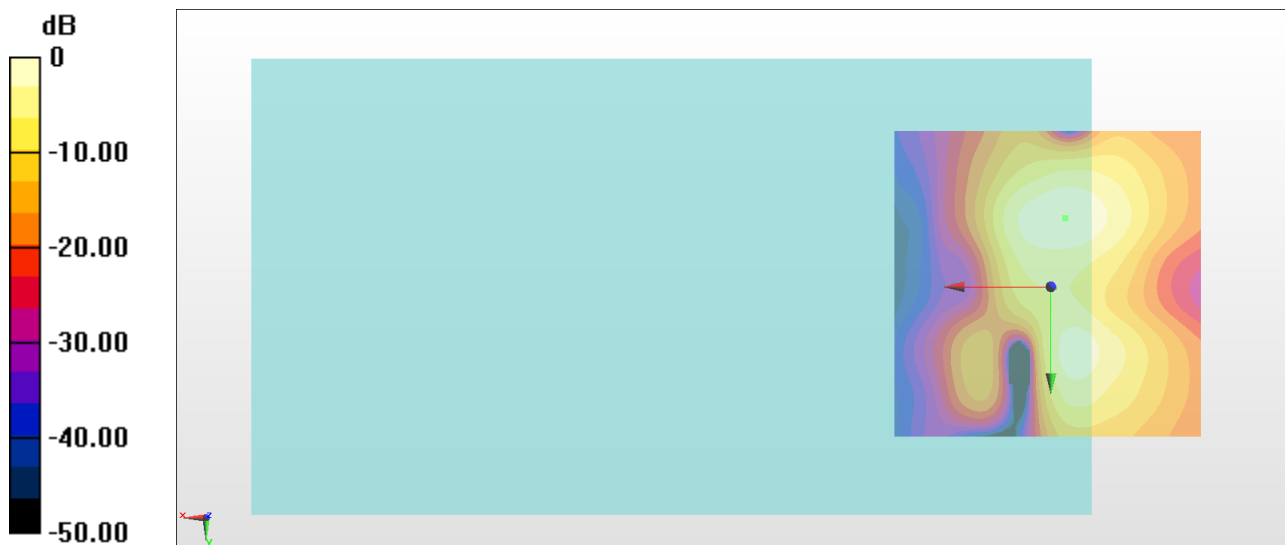- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.52 dB

ABM1 comp = -7.03 dBA/m

Location: -2.3, -11, 3.7 mm



0 dB = 84.35 = 38.52 dB

## #15_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Axial (Z)

Communication System:  802.11a ; Frequency: 5785 MHz

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

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

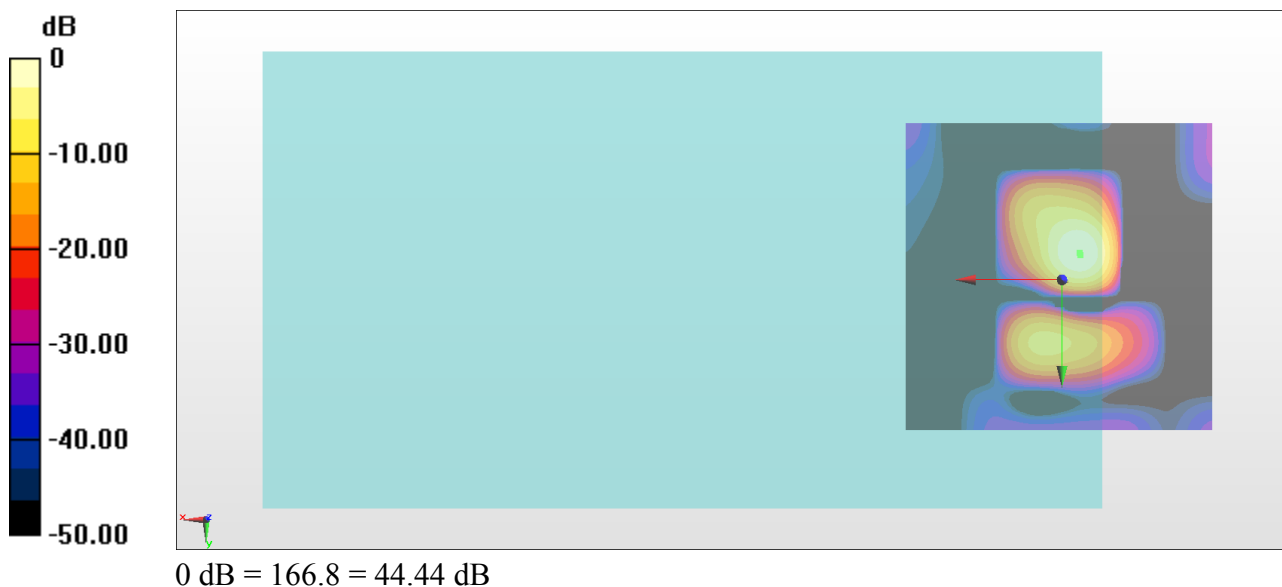## General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm
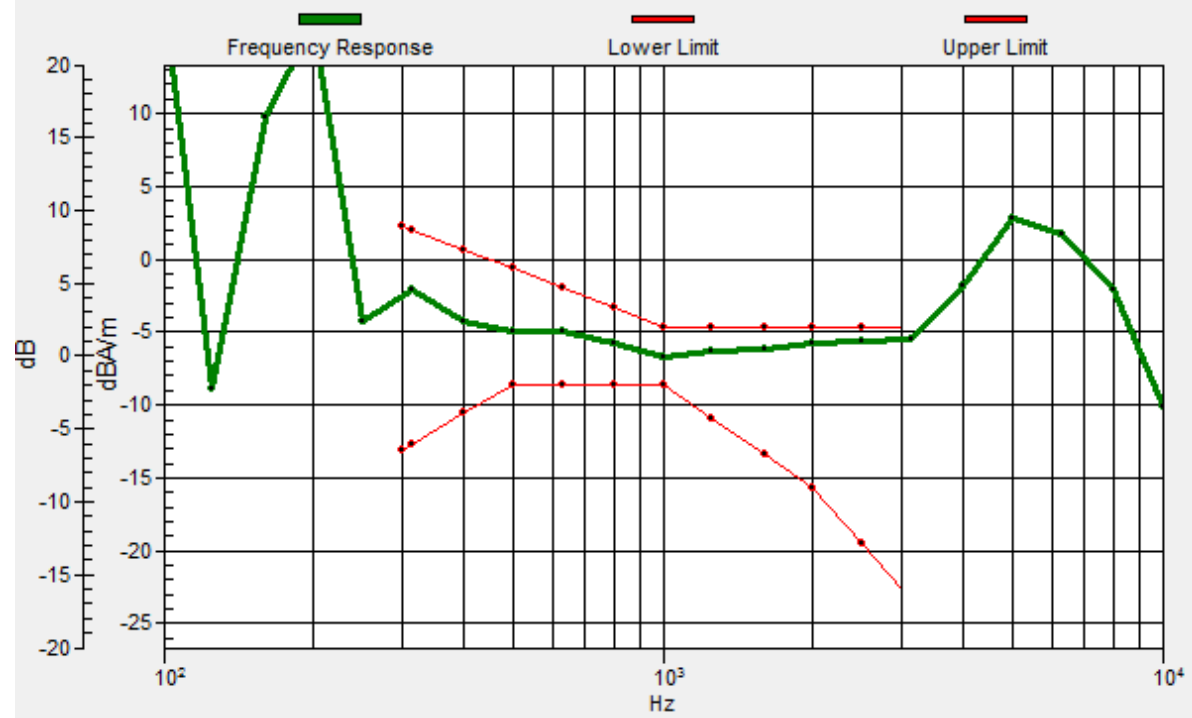
ABM1/ABM2 = 44.44 dB

ABM1 comp = -0.10 dBA/m

BWC Factor = 0.16 dB

Location: -3, -4, 3.7 mm



0 dB = 166.8 = 44.44 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.8, -4.3, 3.7 mm Diff: 0.85dB

# #15_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Transversal (Y)

Communication System:  802.11a ; Frequency: 5785 MHz

Medium: Air Medium parameters used: σ = 0 S/m, $\varepsilon_r$ = 1; ρ = 0 kg/m$^3$

Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

## General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.61 dB

ABM1 comp = -7.28 dBA/m

Location: -3, 8.6, 3.7 mm



0 dB = 67.66 = 36.61 dB