

# #01\_HAC\_T-Coil\_GSM850\_Voice(speech codec handset low)\_Ch189\_Axial (Z)

Communication System: GSM850; Frequency: 836.4 MHz

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

Ambient Temperature : 23.5 °C

## 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)

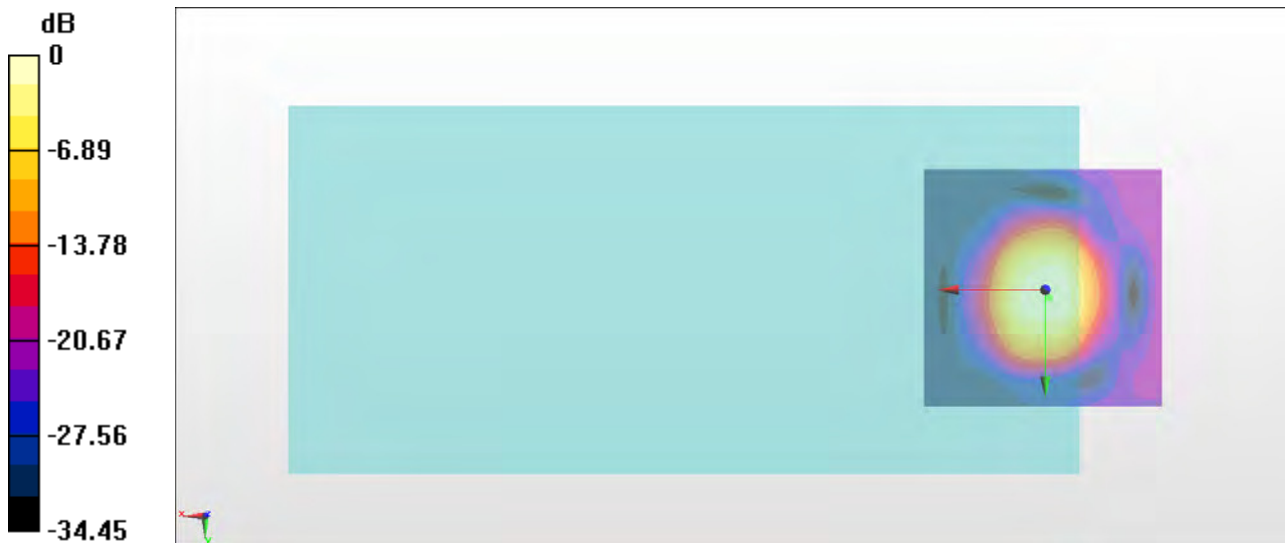
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 24.19 dB

ABM1 comp = -6.45 dBA/m

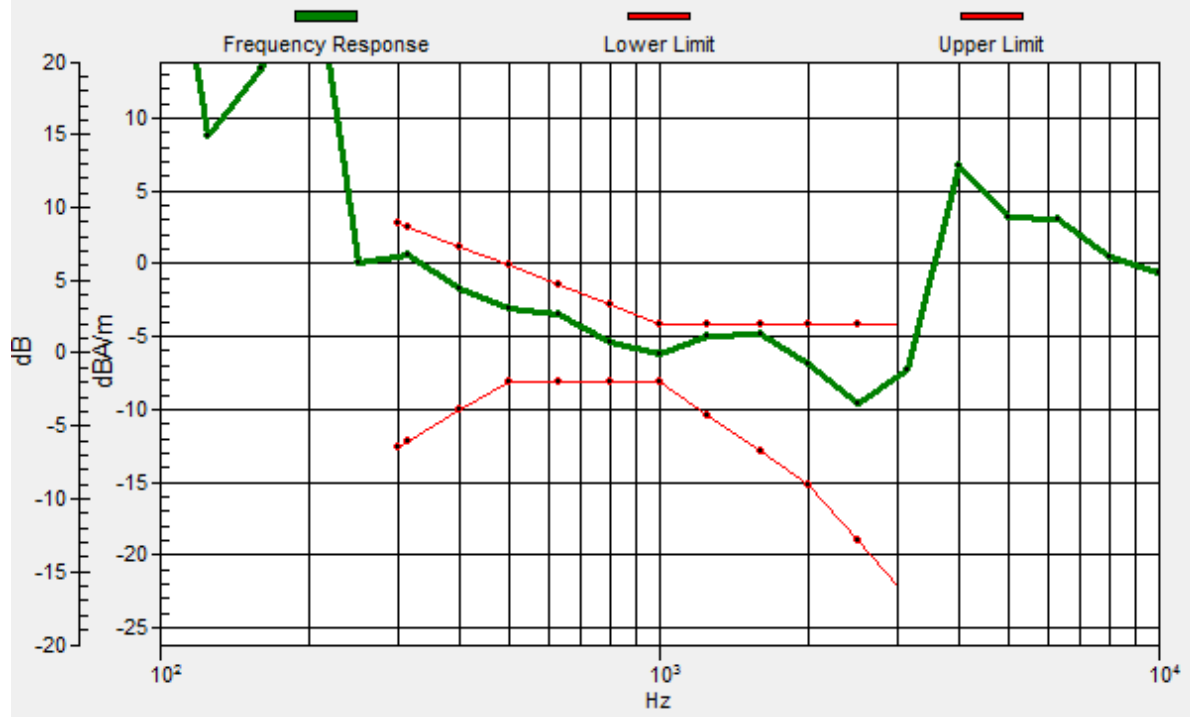
Location: -0.9, 1.6, 3.7 mm



0 dB = 16.19 = 24.18 dB

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

Loc: -0.6, 1.5, 3.7 mm Diff: 0.7dB



# #01\_HAC\_T-Coil\_GSM850\_Voice(speech codec handset low)\_Ch189\_Transversal (Y)

Communication System: GSM850; Frequency: 836.4 MHz

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

Ambient Temperature : 23.5 °C

## 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)

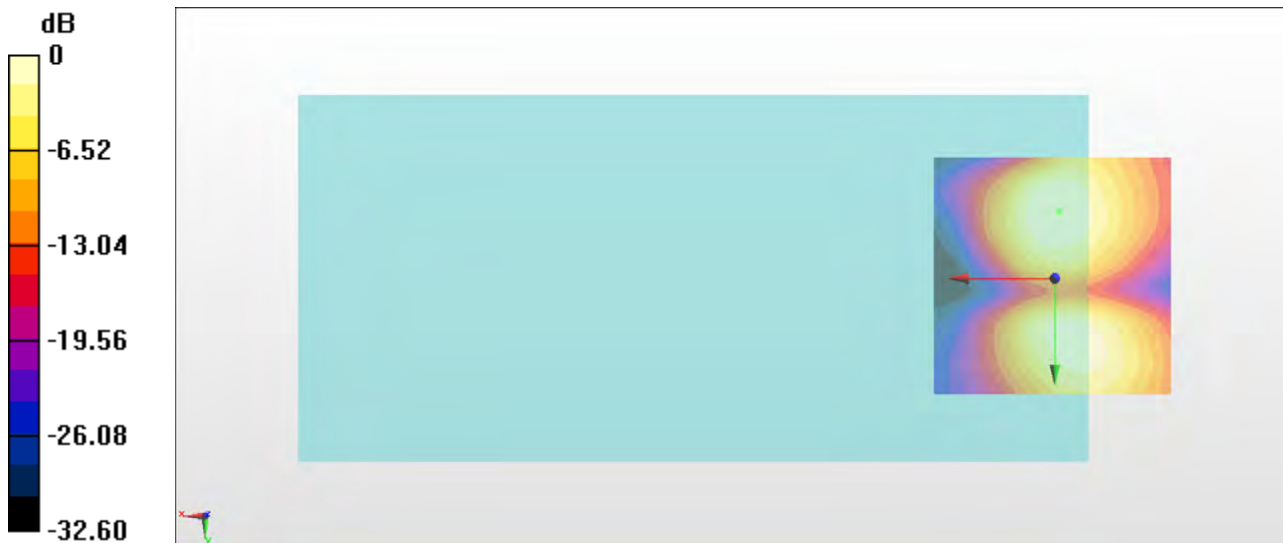
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 24.92 dB

ABM1 comp = -15.45 dBA/m

Location: -0.9, -13.8, 3.7 mm



0 dB = 17.62 = 24.92 dB

## #02\_HAC\_T-Coil\_GSM1900\_Voice(speech codec handset low)\_Ch661\_Axial (Z)

Communication System: PCS ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

### 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)

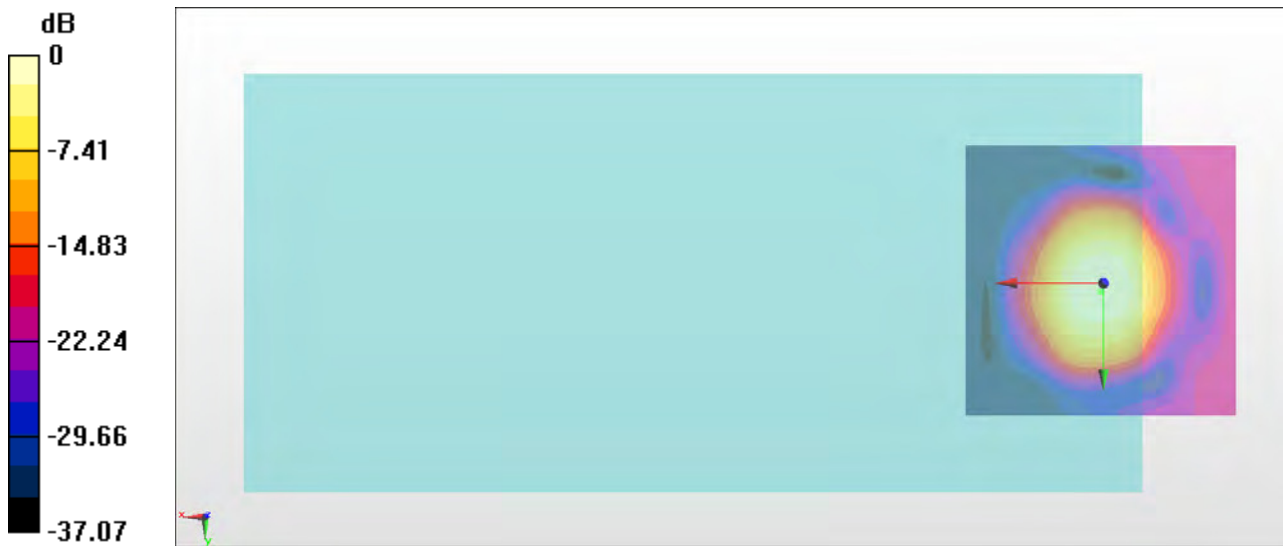
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 27.11 dB

ABM1 comp = -5.72 dBA/m

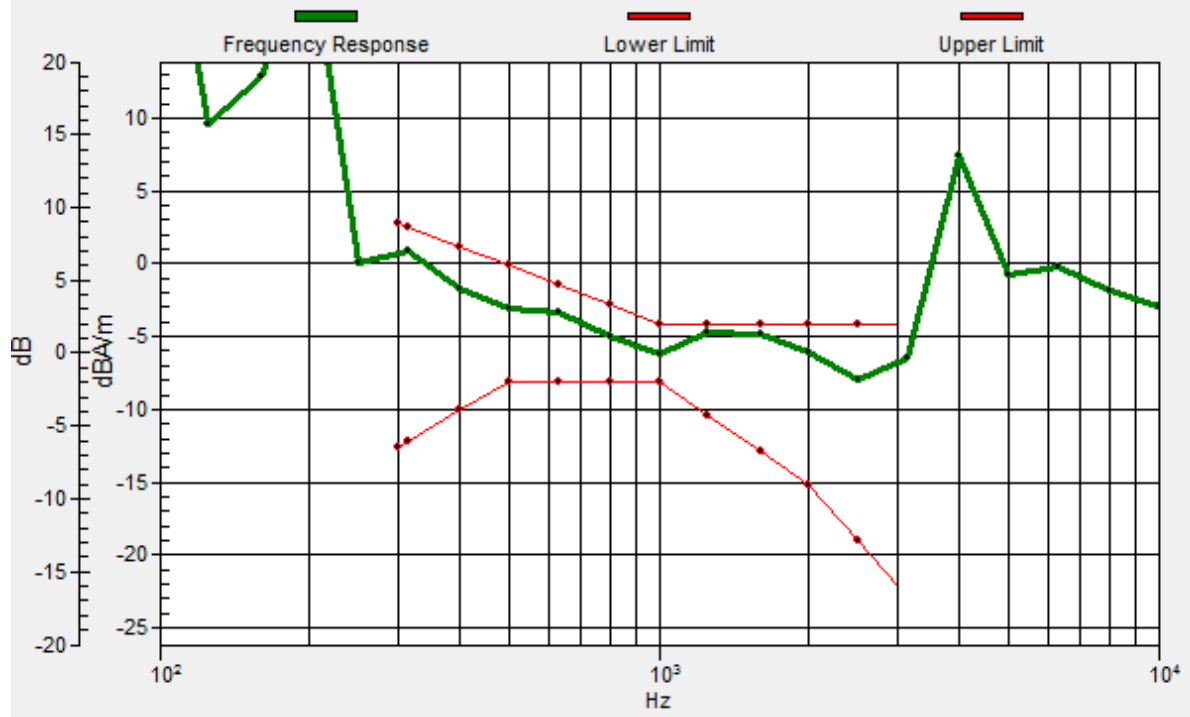
Location: 0.5, 1.6, 3.7 mm



0 dB = 22.67 = 27.11 dB

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

Loc: 0.5, 1.6, 3.7 mm Diff: 0.61dB



## #02\_HAC\_T-Coil\_GSM1900\_Voice(speech codec handset low)\_Ch661\_Transversal (Y)

Communication System: PCS ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

### 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)

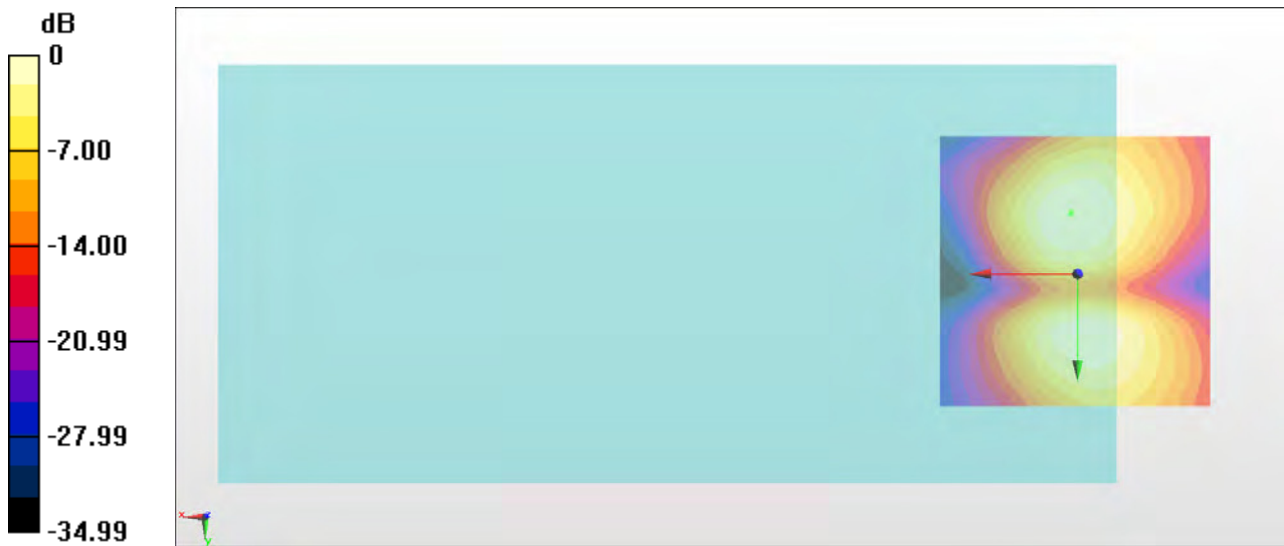
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 27.63 dB

ABM1 comp = -13.57 dBA/m

Location: 1.2, -11, 3.7 mm



0 dB = 24.06 = 27.63 dB

### #03\_HAC\_T-Coil\_WCDMA II\_Voice (speech codec low)\_Ch9400\_Axial (Z)

Communication System: WCDMA ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

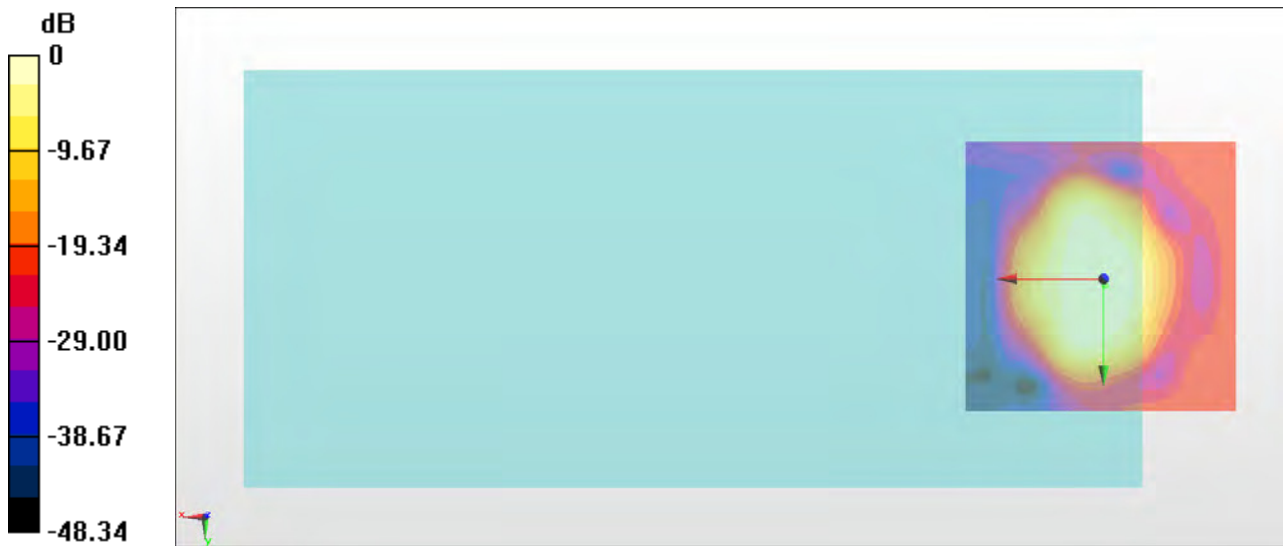
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 32.01 dB

ABM1 comp = -5.83 dBA/m

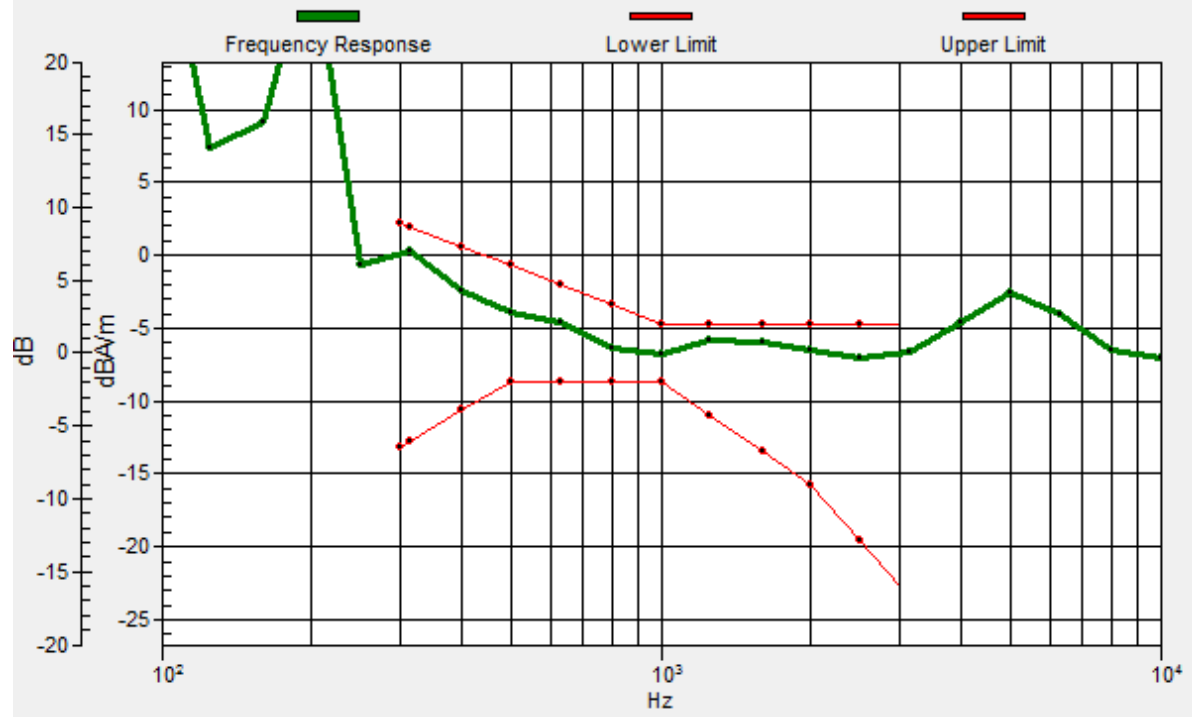
Location: -0.2, 0.9, 3.7 mm



0 dB = 39.84 = 32.01 dB

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

Loc: -0.3, 1.2, 3.7 mm Diff: 1.08dB





### #03\_HAC\_T-Coil\_WCDMA II\_Voice (speech codec low)\_Ch9400\_Transversal (Y)

Communication System: WCDMA ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

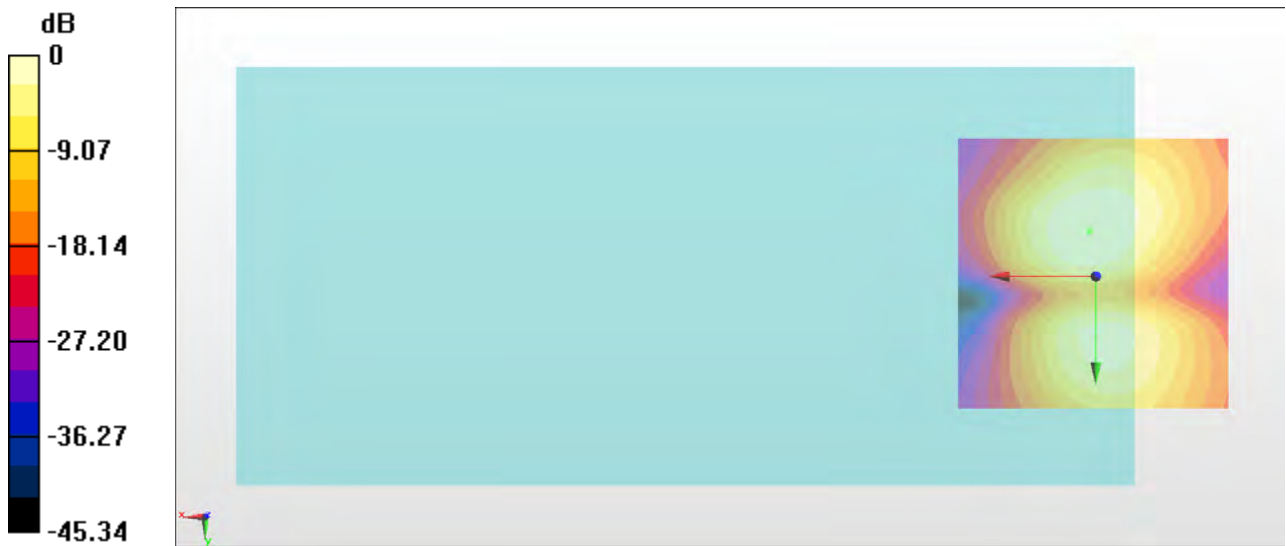
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 30.46 dB

ABM1 comp = -12.74 dBA/m

Location: 1.2, -8.2, 3.7 mm



0 dB = 33.35 = 30.46 dB

# #04\_HAC\_T-Coil\_WCDMA IV\_Voice (speech codec low)\_Ch1413\_Axial (Z)

Communication System: WCDMA ; Frequency: 1732.6 MHz

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

Ambient Temperature : 23.5 °C

## 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)

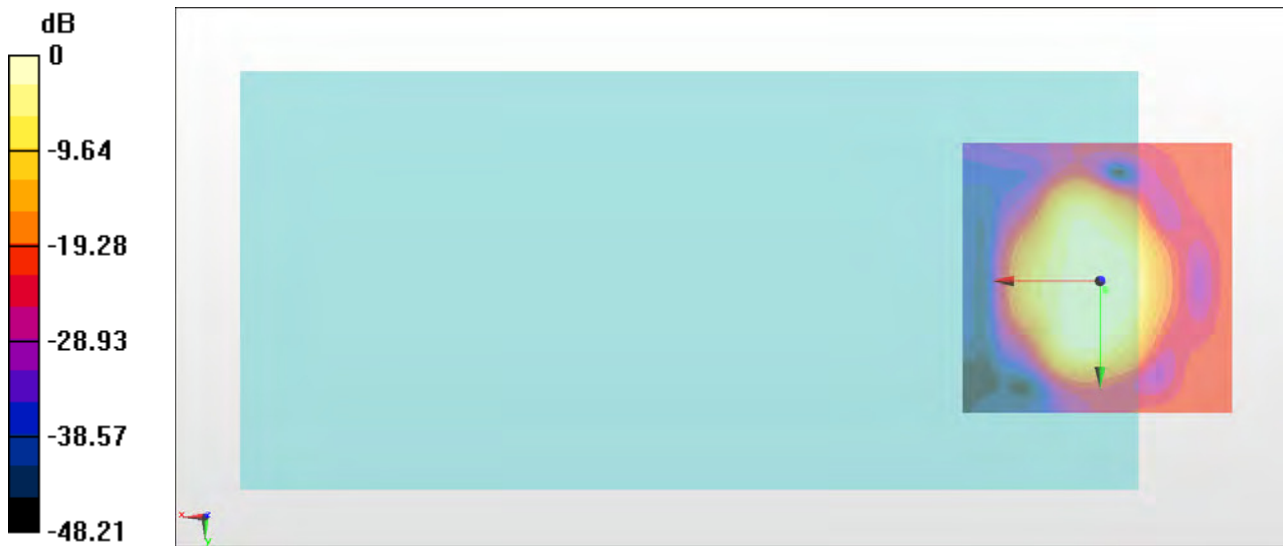
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 32.11 dB

ABM1 comp = -6.58 dBA/m

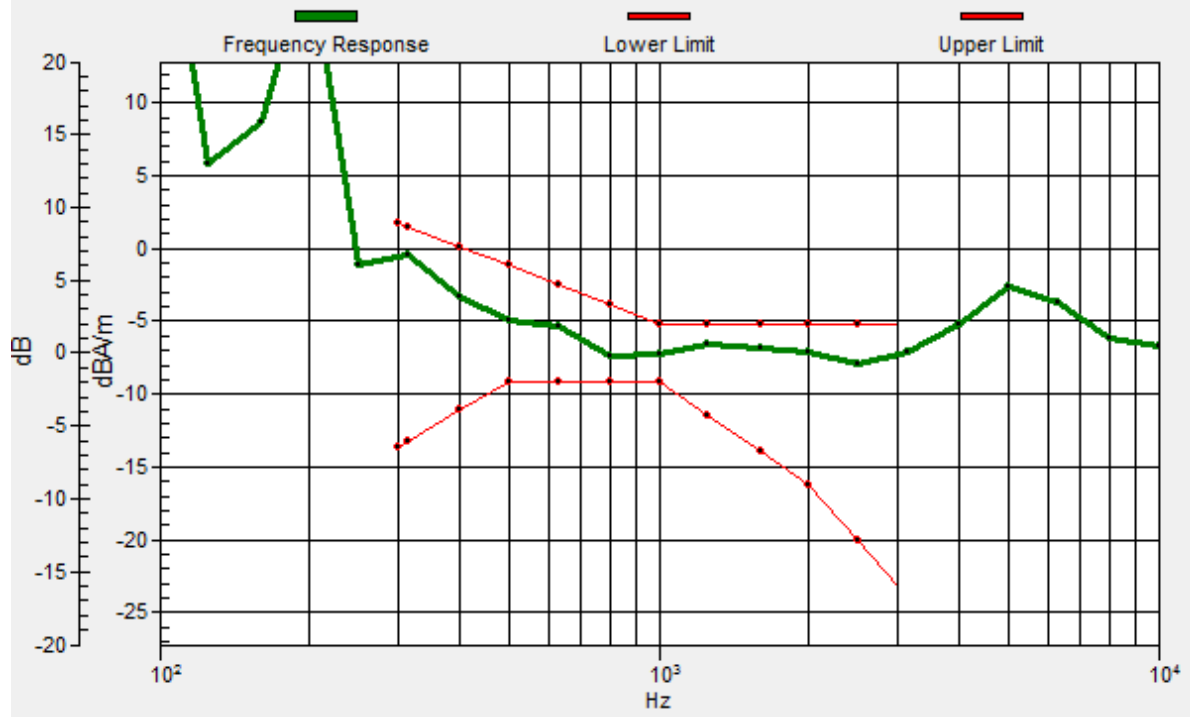
Location: -0.9, 1.6, 3.7 mm



0 dB = 40.31 = 32.11 dB

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

Loc: -0.9, 1.8, 3.7 mm Diff: 1.38dB



# #04\_HAC\_T-Coil\_WCDMA IV\_Voice (speech codec low)\_Ch1413\_Transversal (Y)

Communication System: WCDMA ; Frequency: 1732.6 MHz

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

Ambient Temperature : 23.5 °C

## 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)

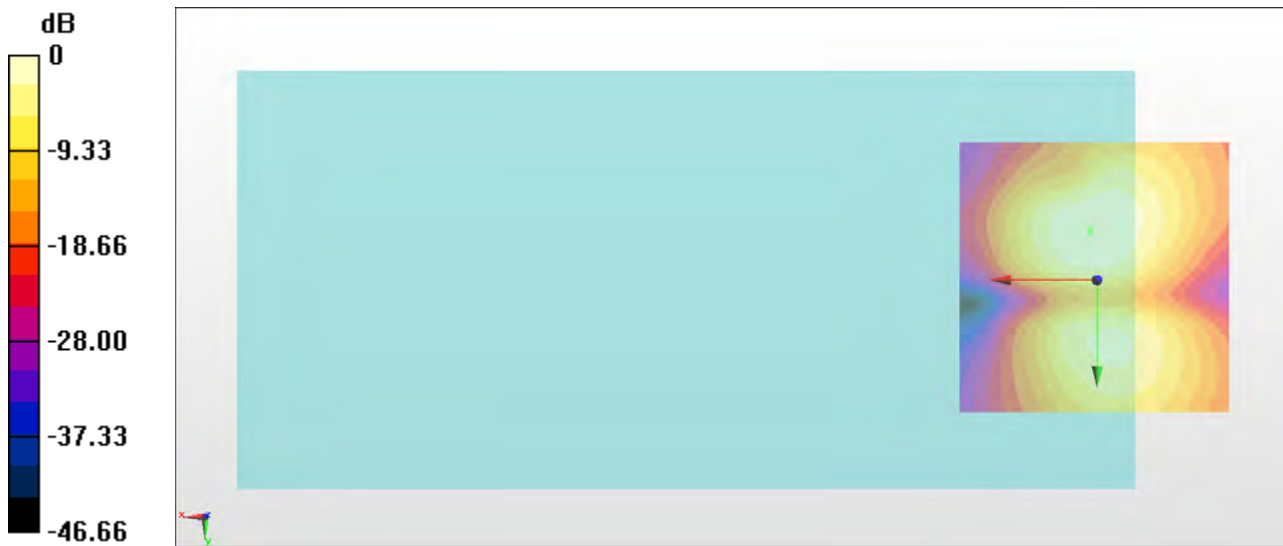
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 30.66 dB

ABM1 comp = -12.70 dBA/m

Location: 1.2, -8.9, 3.7 mm



0 dB = 34.13 = 30.66 dB

### #05\_HAC\_T-Coil\_WCDMA V\_Voice (speech codec low)\_Ch4182\_Axial (Z)

Communication System: WCDMA ; Frequency: 836.4 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

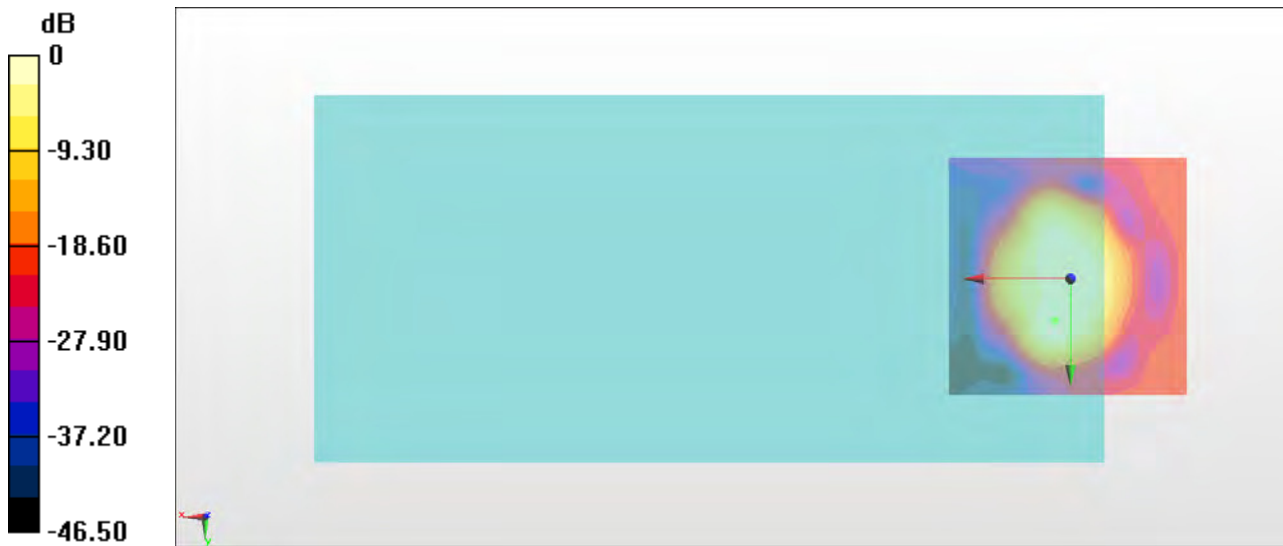
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 32.15 dB

ABM1 comp = -8.57 dBA/m

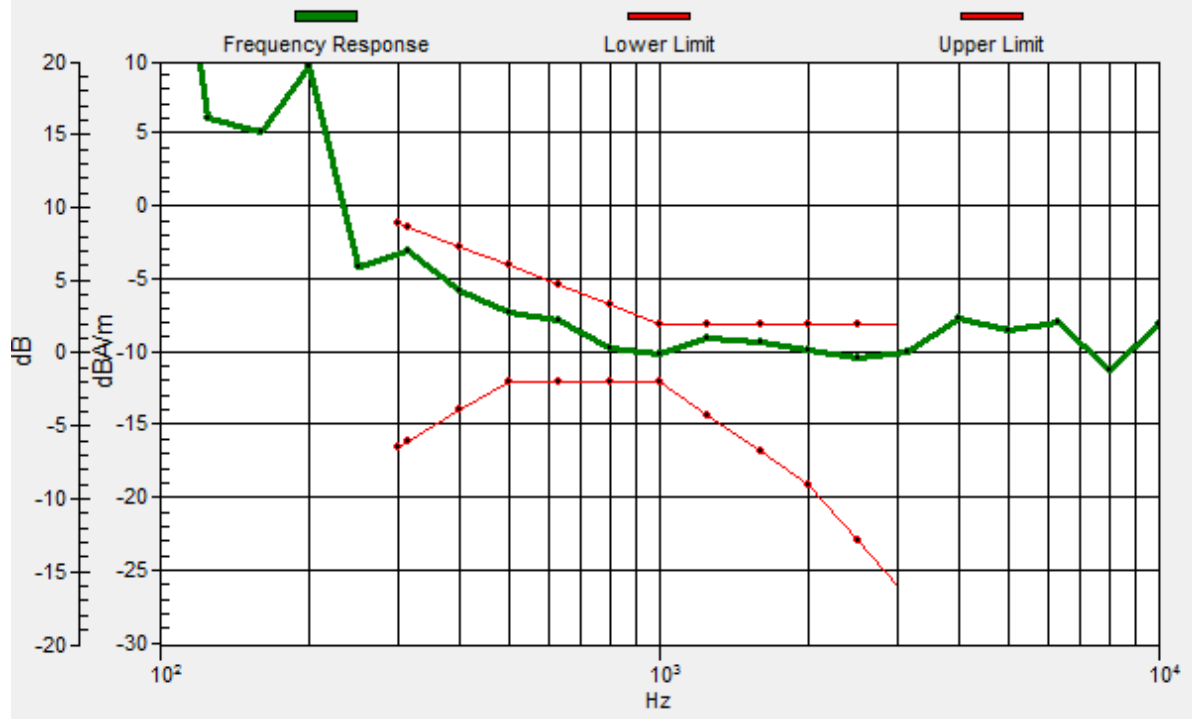
Location: 3.3, 8.6, 3.7 mm



0 dB = 40.52 = 32.15 dB

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

Loc: 3.2, 8.9, 3.7 mm Diff: 1.03dB



### #05\_HAC\_T-Coil\_WCDMA V\_Voice (speech codec low)\_Ch4182\_Transversal (Y)

Communication System: WCDMA ; Frequency: 836.4 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

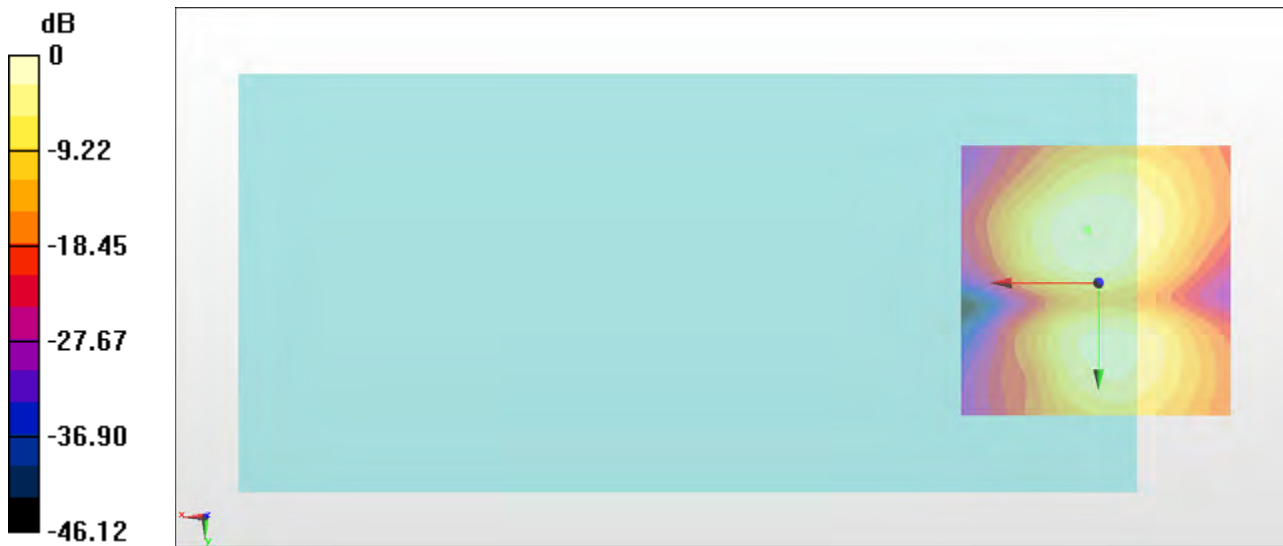
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 30.67 dB

ABM1 comp = -12.47 dBA/m

Location: 1.9, -9.6, 3.7 mm



0 dB = 34.14 = 30.67 dB

### #06\_HAC\_T-Coil\_LTE Band 2\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch18900\_Axial (Z)

Communication System: LTE ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

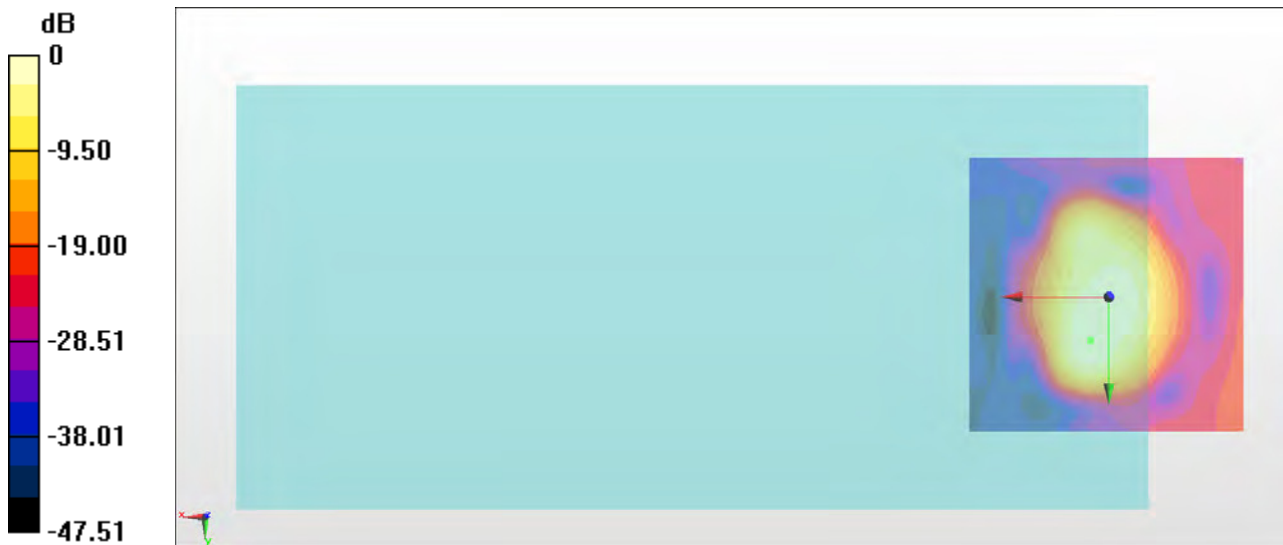
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.12 dB

ABM1 comp = -9.99 dBA/m

Location: 3.3, 7.9, 3.7 mm

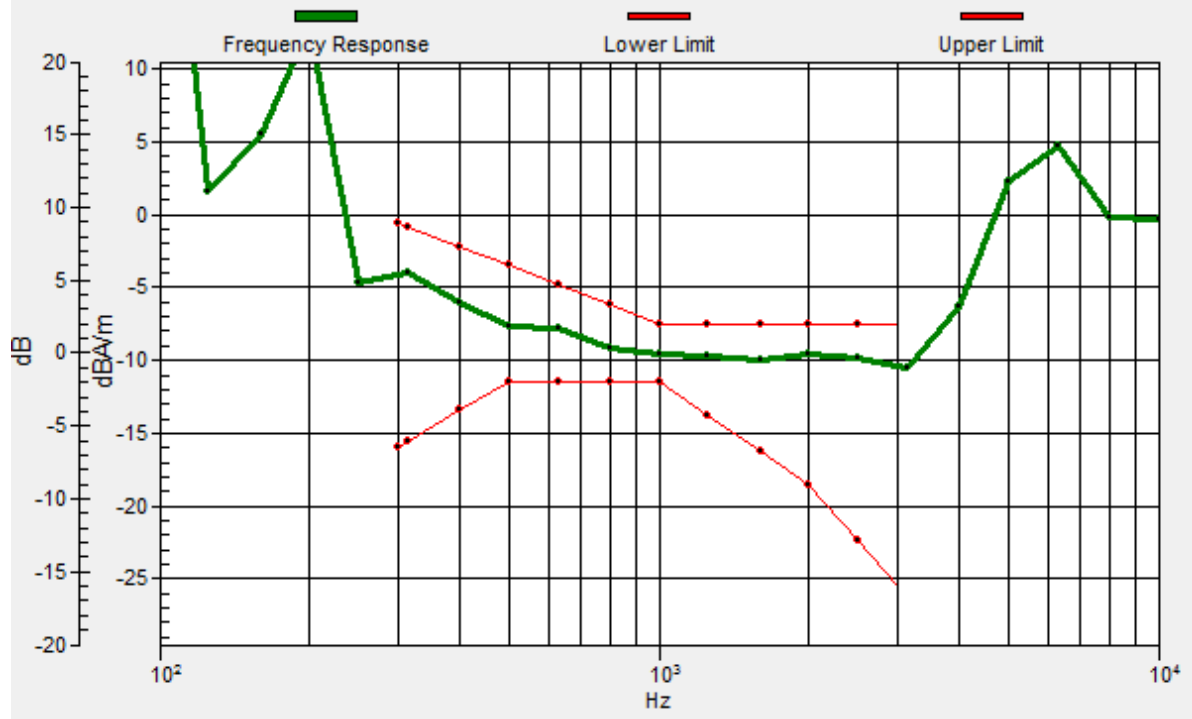


0 dB = 32.07 = 30.12 dB



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

Loc: 3.2, 7.6, 3.7 mm Diff: 2dB



### #06\_HAC\_T-Coil\_LTE Band 2\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch18900\_Transversal (Y)

Communication System: LTE ; Frequency: 1880 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.5 °C

#### 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)

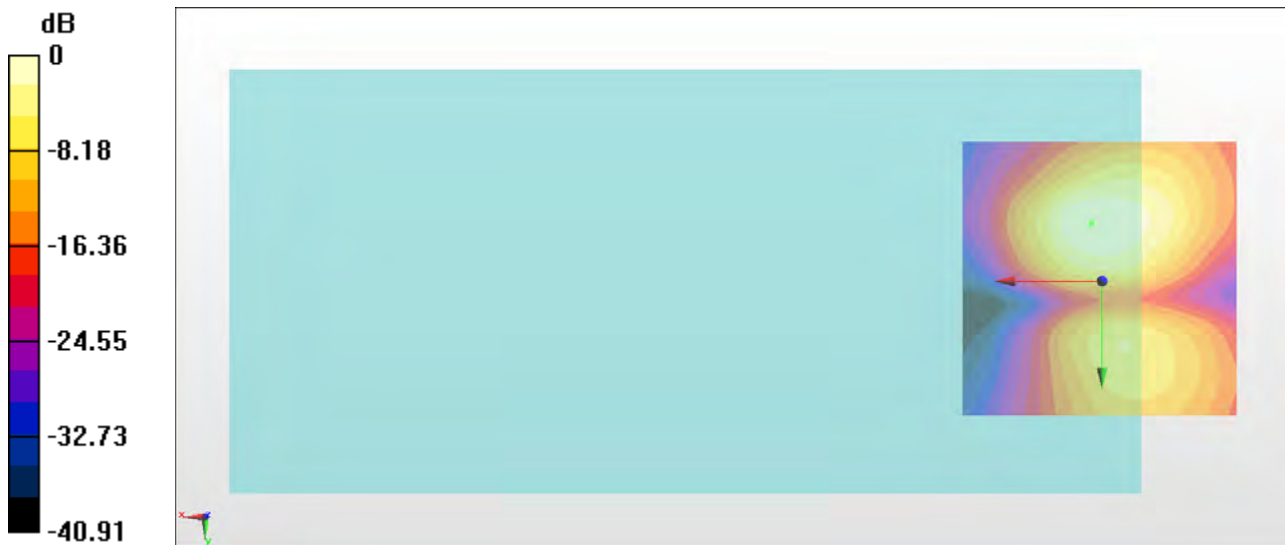
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 28.16 dB

ABM1 comp = -13.94 dBA/m

Location: 1.9, -10.3, 3.7 mm



0 dB = 25.58 = 28.16 dB

### #07\_HAC\_T-Coil\_LTE Band 4\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch20175\_Axial (Z)

Communication System: LTE ; Frequency: 1732.5 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

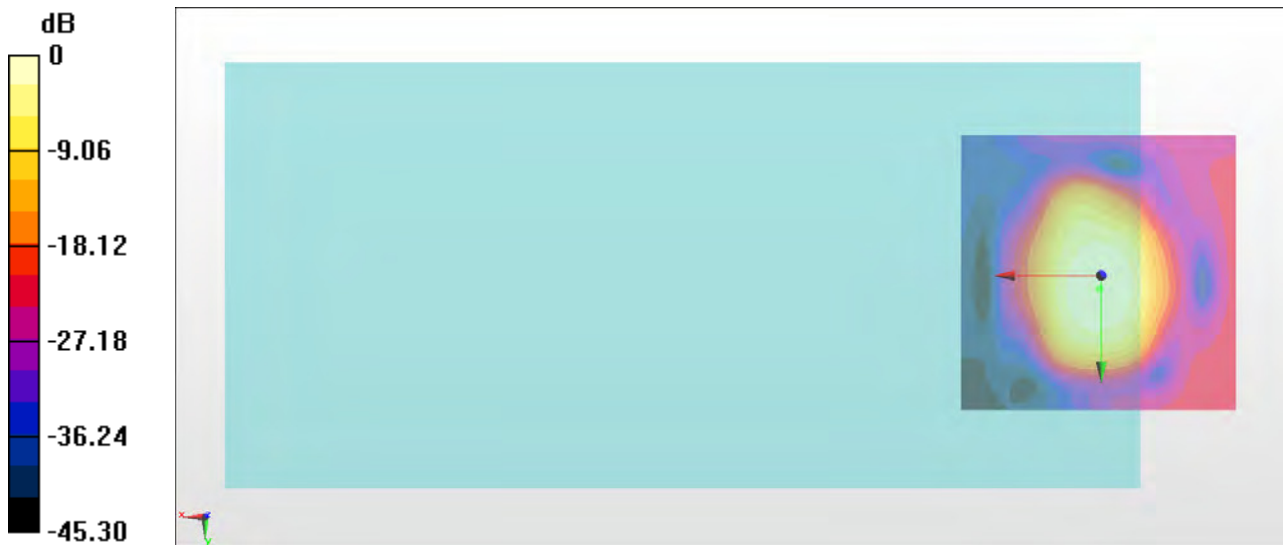
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 31.47 dB

ABM1 comp = -5.31 dBA/m

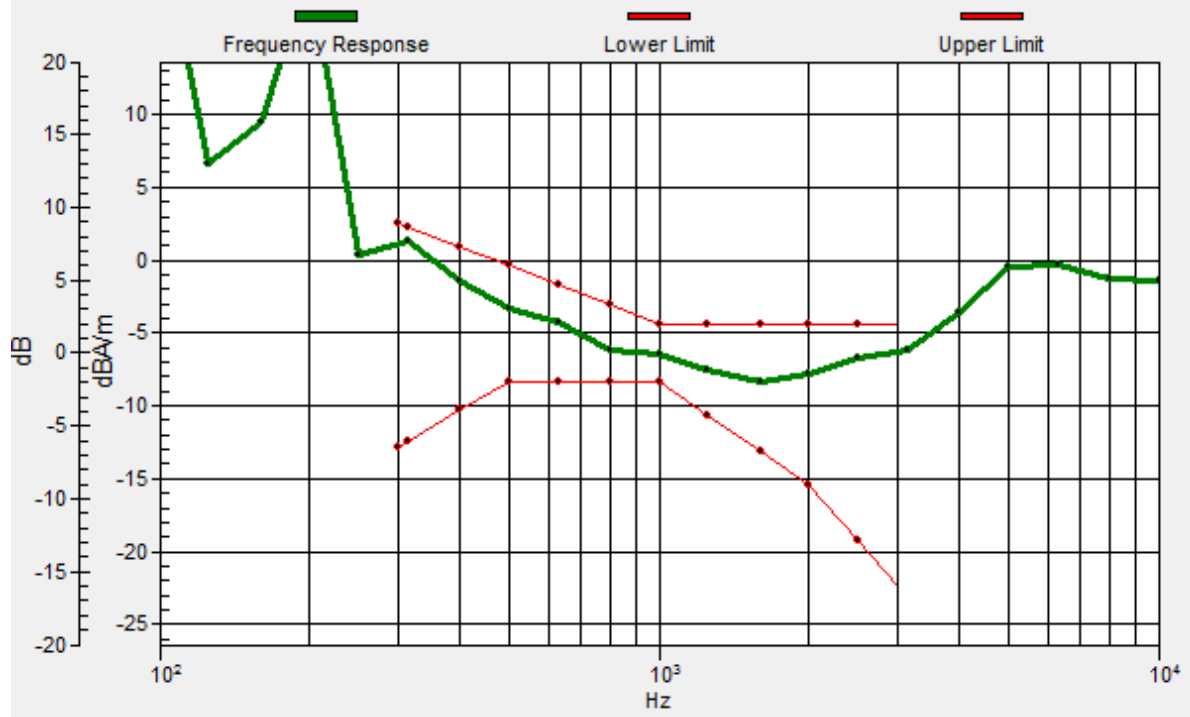
Location: 0.5, 2.3, 3.7 mm



0 dB = 37.46 = 31.47 dB

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

Loc: 0.3, 2.4, 3.7 mm Diff: 0.94dB



# #07\_HAC\_T-Coil\_LTE Band 4\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch20175\_Transversal (Y)

Communication System: LTE ; Frequency: 1732.5 MHz

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

Ambient Temperature : 23.5 °C

## 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)

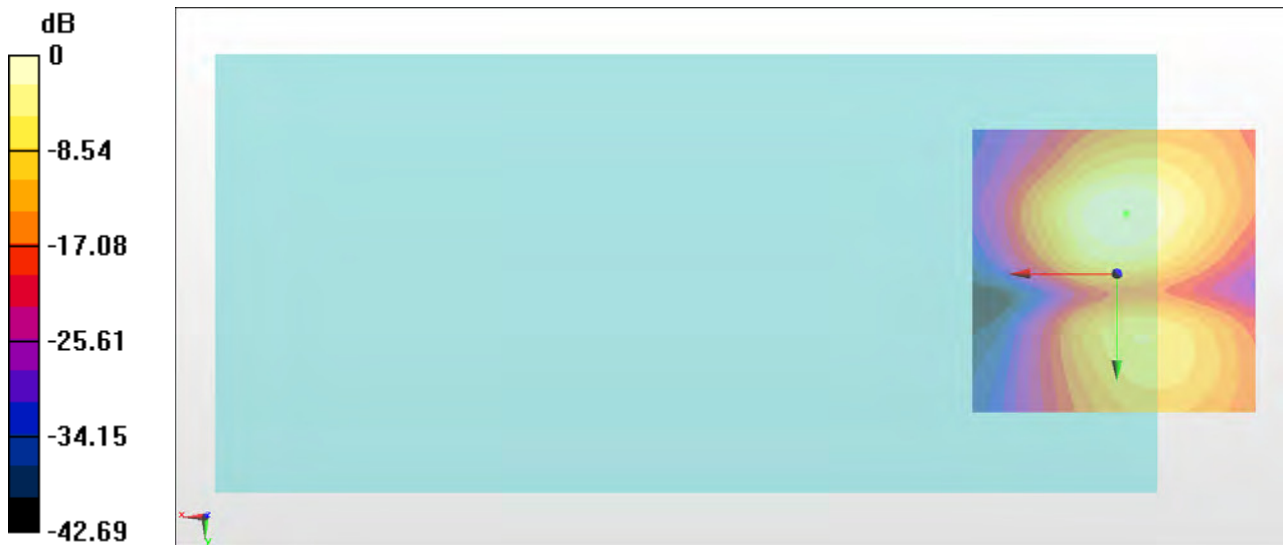
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 28.72 dB

ABM1 comp = -14.67 dBA/m

Location: -1.6, -10.3, 3.7 mm



0 dB = 27.30 = 28.72 dB

### #08\_HAC\_T-Coil\_LTE Band 5\_10M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch20525\_Axial (Z)

Communication System: LTE ; Frequency: 836.5 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

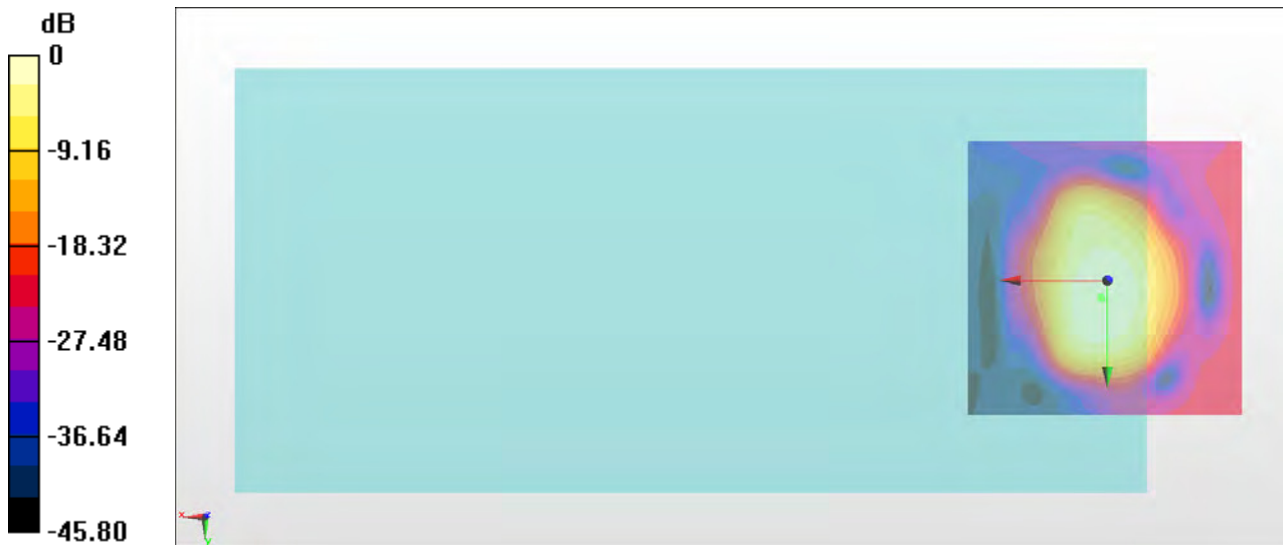
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 31.90 dB

ABM1 comp = -5.04 dBA/m

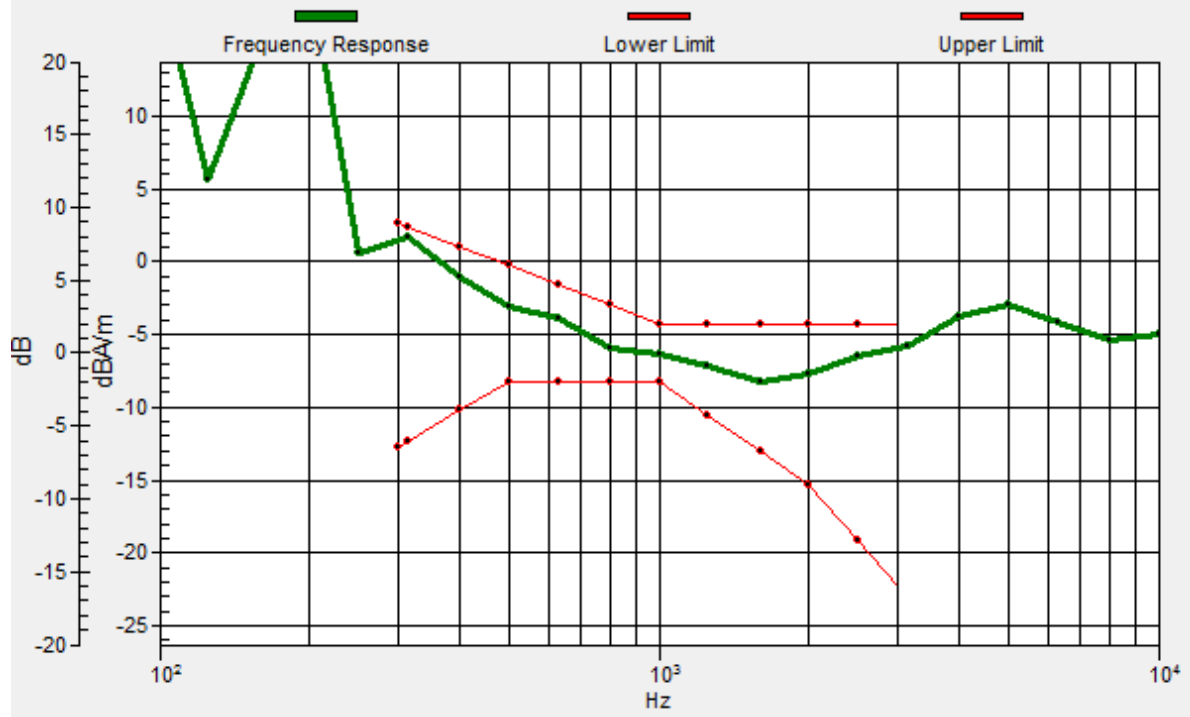
Location: 1.2, 3, 3.7 mm



0 dB = 39.38 = 31.91 dB

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

Loc: 1, 3.2, 3.7 mm Diff: 0.74dB



# #08\_HAC\_T-Coil\_LTE Band 5\_10M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch20525\_Transversal (Y)

Communication System: LTE ; Frequency: 836.5 MHz

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

Ambient Temperature : 23.5 °C

## 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)

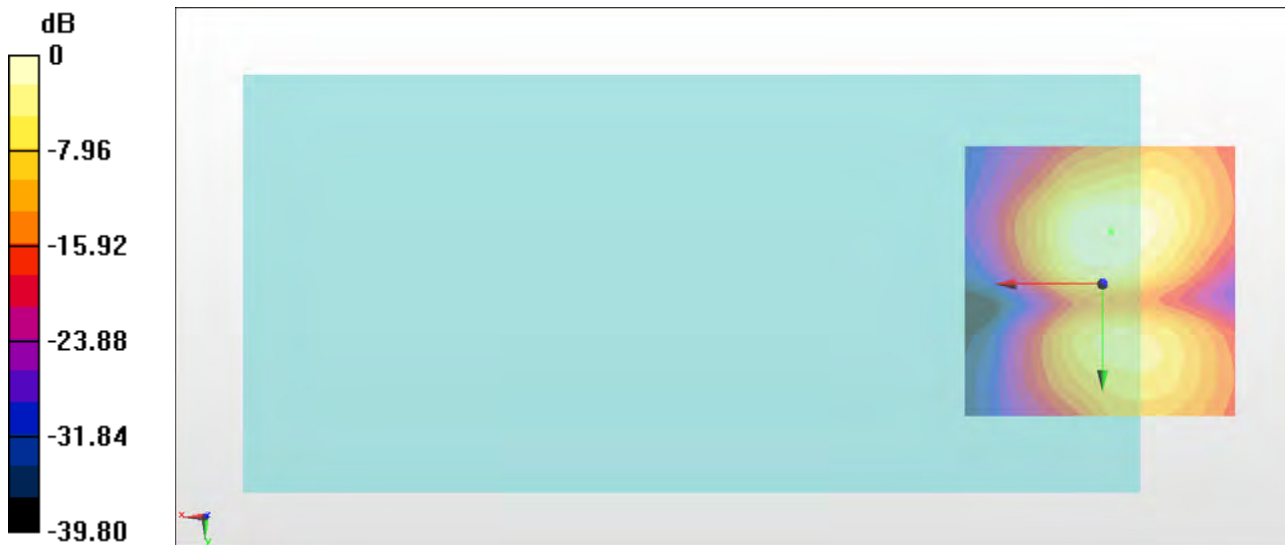
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 29.02 dB

ABM1 comp = -14.16 dBA/m

Location: -1.6, -9.6, 3.7 mm



0 dB = 28.25 = 29.02 dB



# #09\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch21100\_Axial (Z)

Communication System: LTE ; Frequency: 2535 MHz

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

Ambient Temperature : 23.5 °C

## 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)

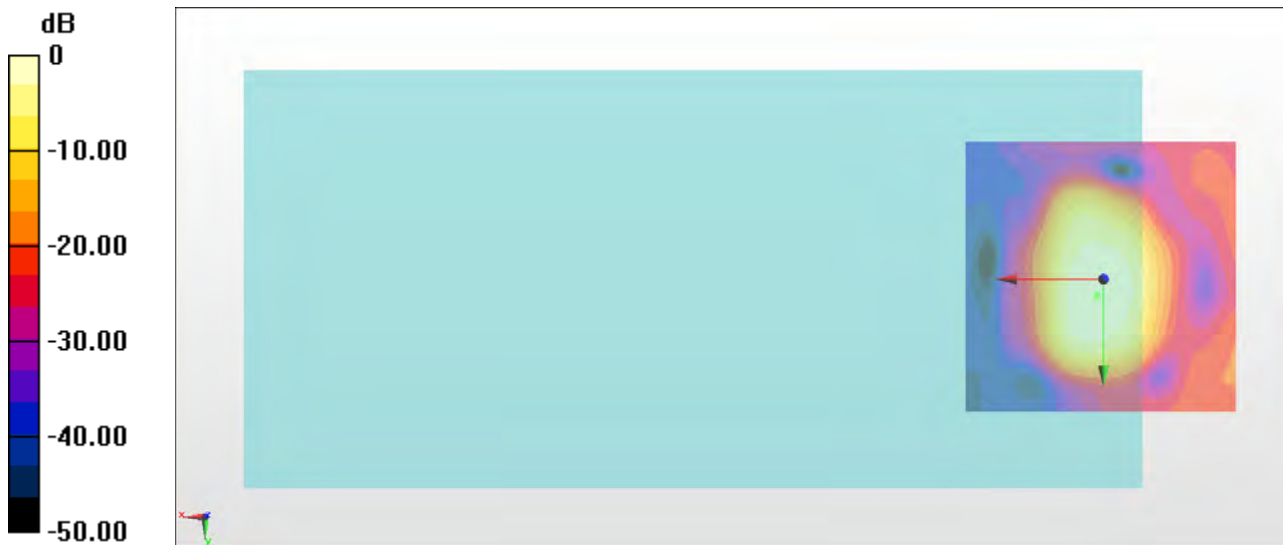
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.97 dB

ABM1 comp = -6.21 dBA/m

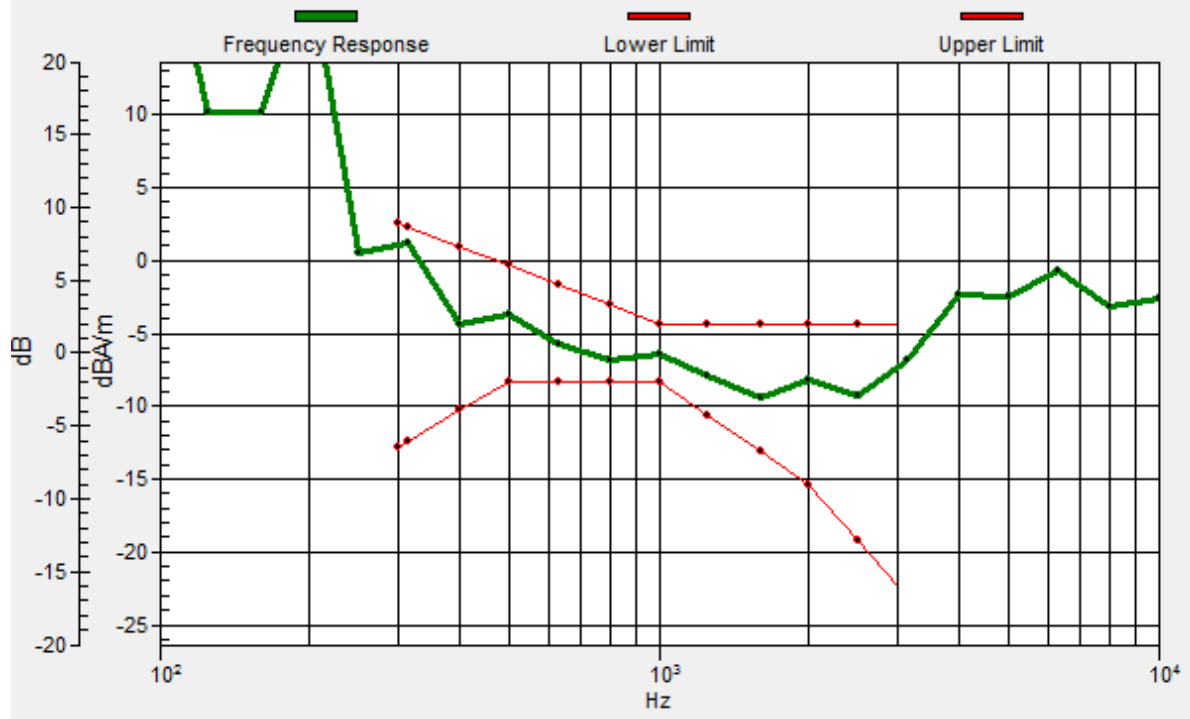
Location: 1.2, 3, 3.7 mm



0 dB = 35.36 = 30.97 dB

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

Loc: 1.1, 3.1, 3.7 mm Diff: 1.14dB



### #09\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch21100\_Transversal (Y)

Communication System: LTE ; Frequency: 2535 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

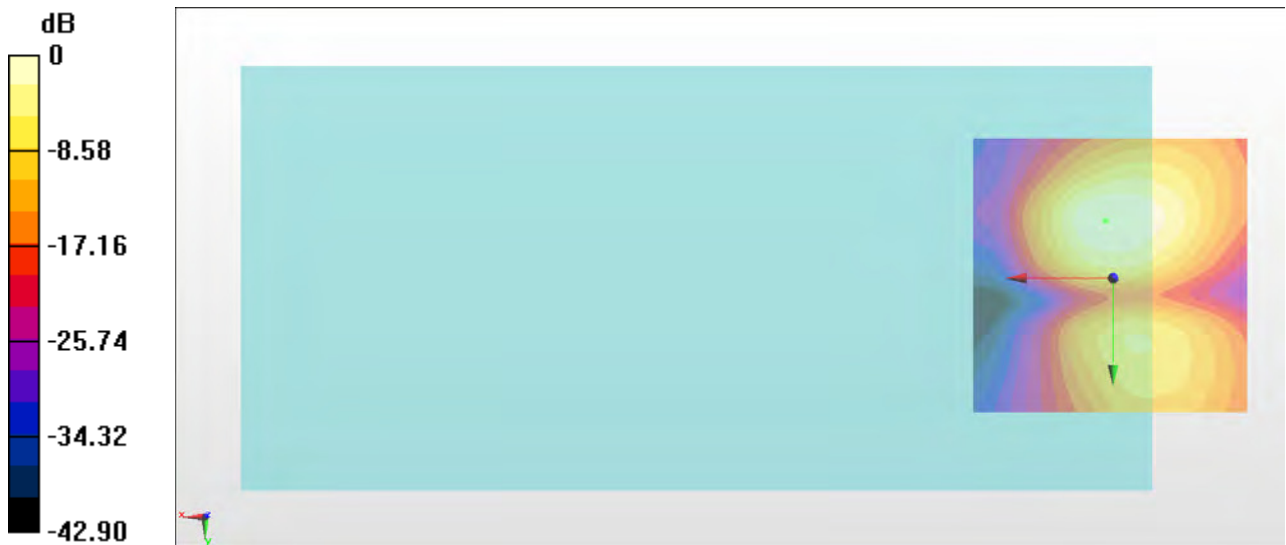
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 28.78 dB

ABM1 comp = -13.21 dBA/m

Location: 1.2, -10.3, 3.7 mm



0 dB = 27.47 = 28.78 dB

# #10\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch23095\_Axial (Z)

Communication System: LTE ; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

## 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)

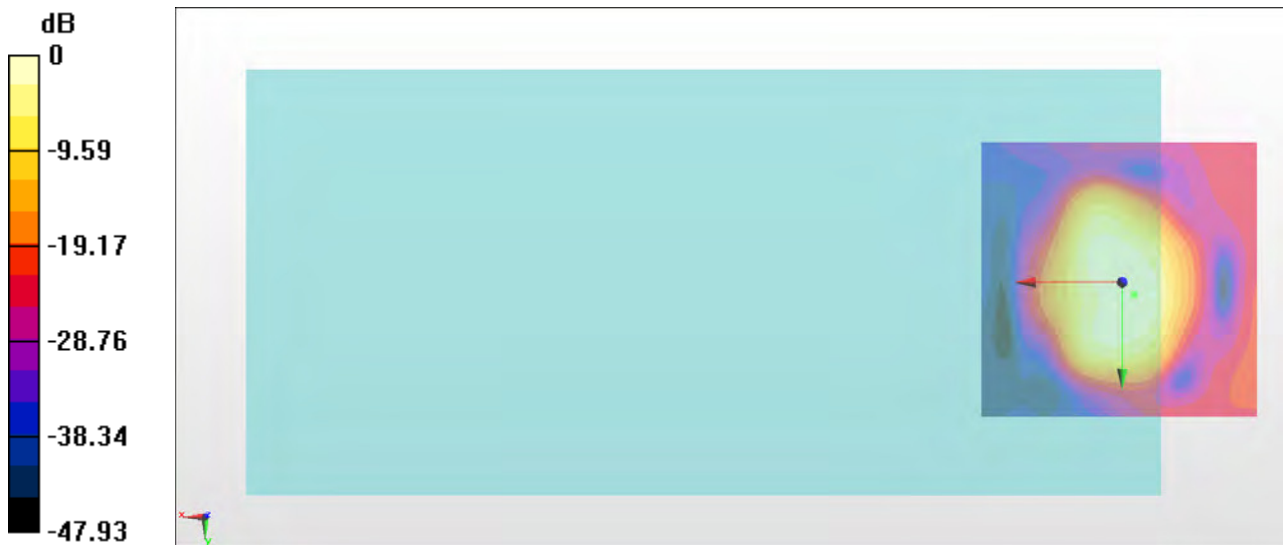
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 31.69 dB

ABM1 comp = -7.89 dBA/m

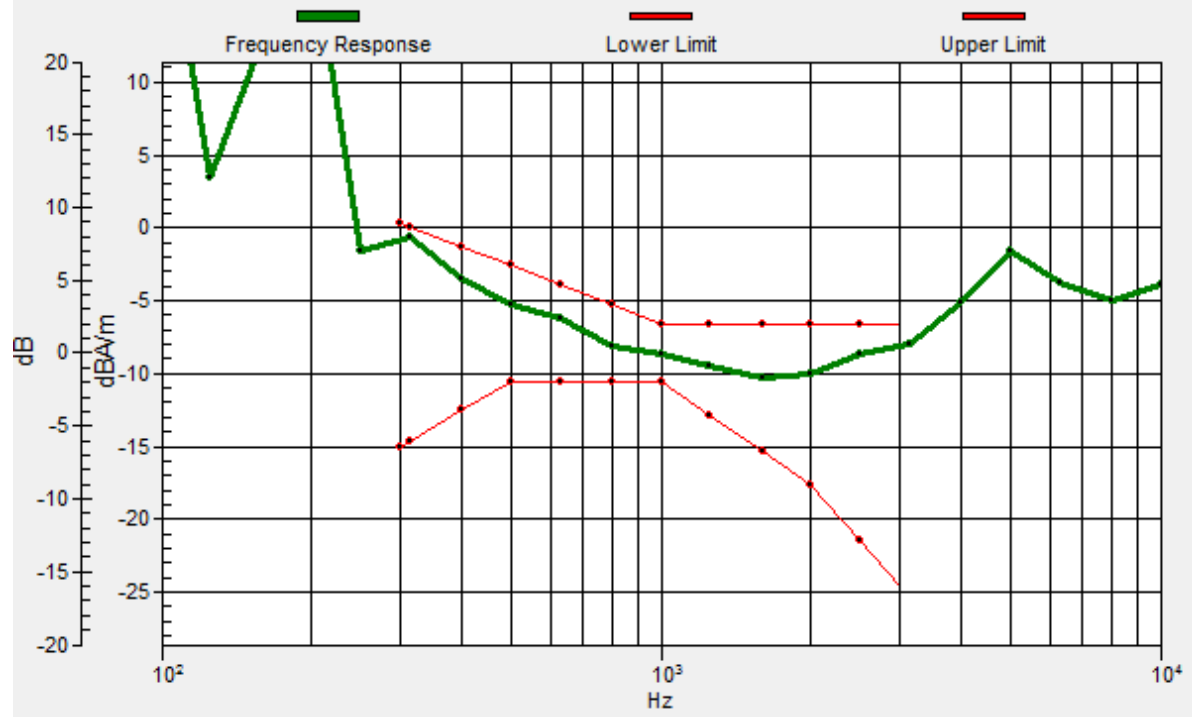
Location: -2.3, 2.3, 3.7 mm



0 dB = 38.42 = 31.69 dB

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

Loc: -2.1, 2.2, 3.7 mm Diff: 0.69dB



# #10\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch23095\_Transversal (Y)

Communication System: LTE ; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

## 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)

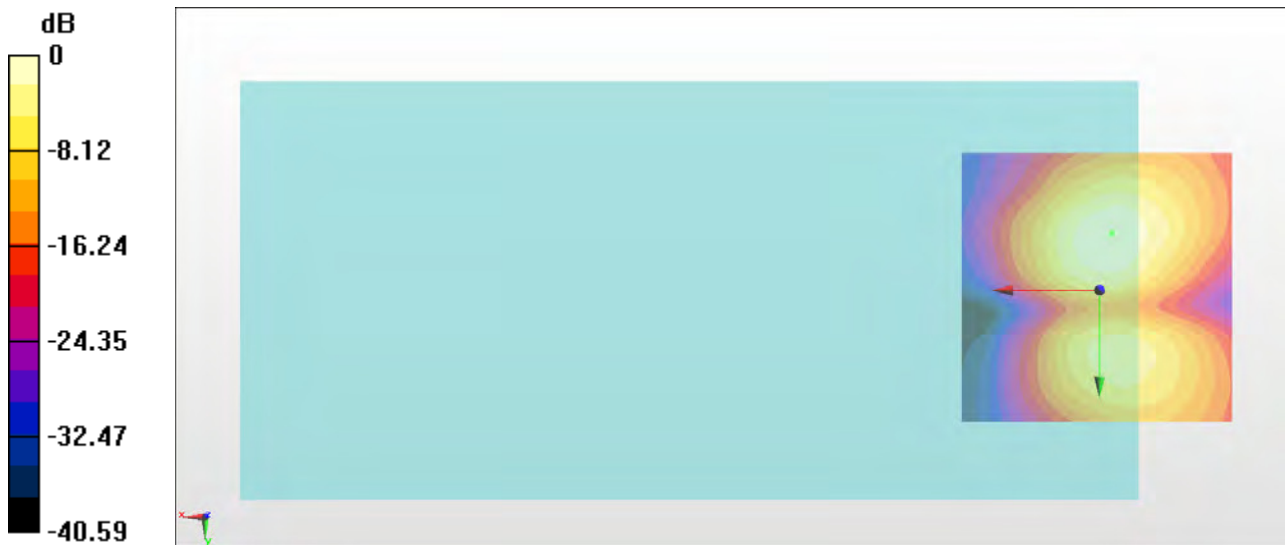
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (71x71x1):

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

ABM1/ABM2 = 29.39 dB

ABM1 comp = -14.65 dBA/m

Location: -2.3, -10.3, 3.7 mm



0 dB = 29.49 = 29.39 dB

# #11\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch23230\_Axial (Z)

Communication System: LTE ; Frequency: 782 MHz

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

Ambient Temperature : 23.5 °C

## 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)

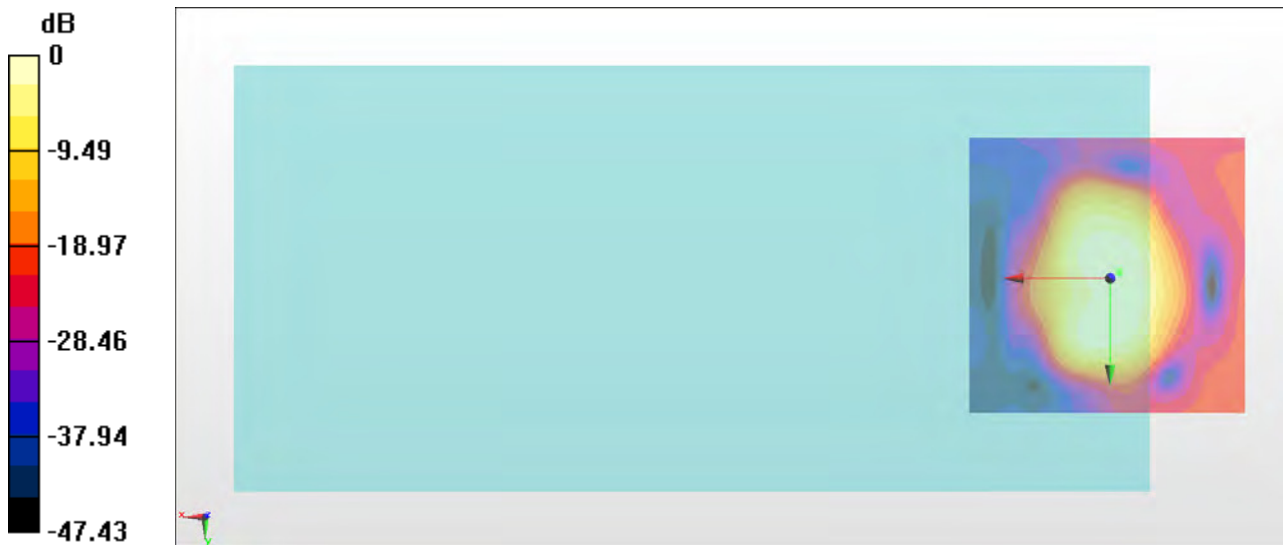
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 32.38 dB

ABM1 comp = -7.84 dBA/m

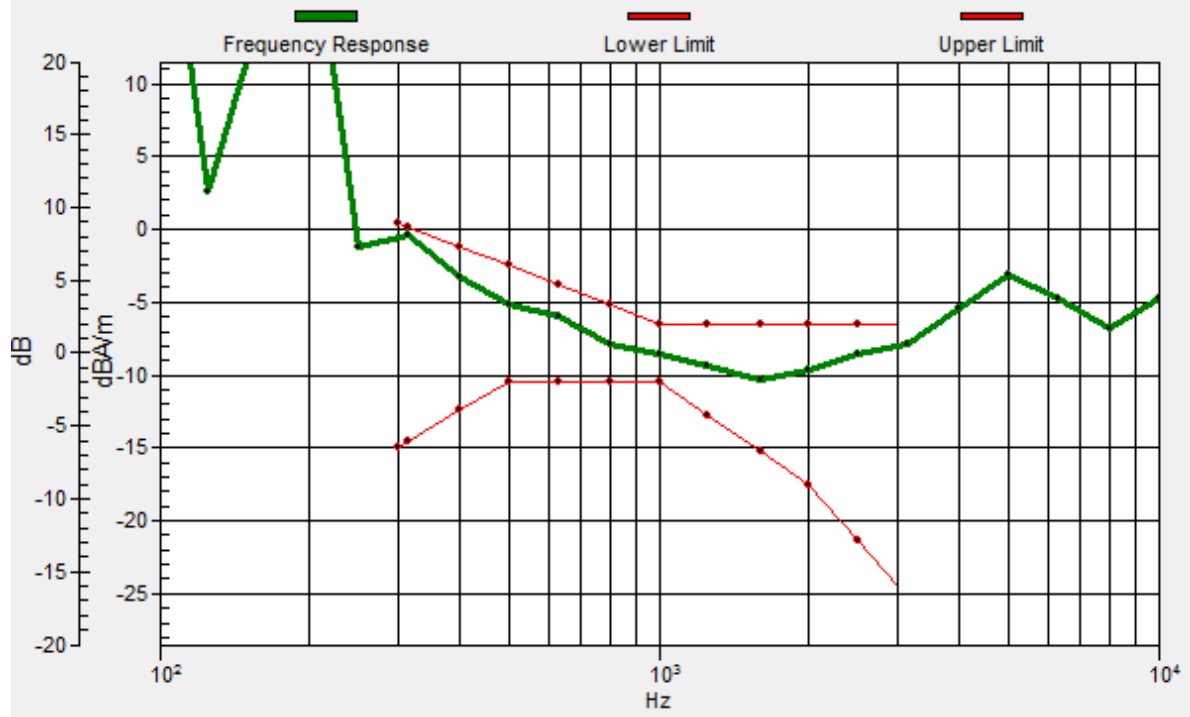
Location: -1.6, -1.2, 3.7 mm



0 dB = 41.60 = 32.38 dB

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

Loc: -1.7, -1, 3.7 mm Diff: 0.59dB





# #11\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch23230\_Transversal (Y)

Communication System: LTE ; Frequency: 782 MHz

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

Ambient Temperature : 23.5 °C

## 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)

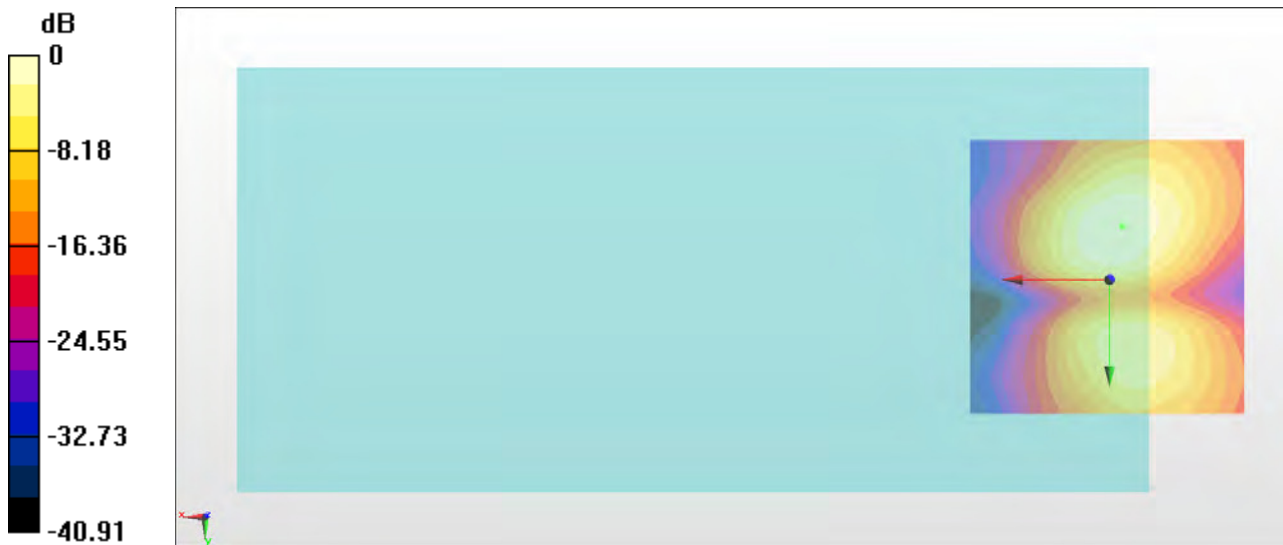
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 29.32 dB

ABM1 comp = -14.69 dBA/m

Location: -2.3, -9.6, 3.7 mm



0 dB = 29.24 = 29.32 dB

# #12\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch132322\_Axial (Z)

Communication System: LTE ; Frequency: 1745 MHz

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

Ambient Temperature : 23.5 °C

## 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)

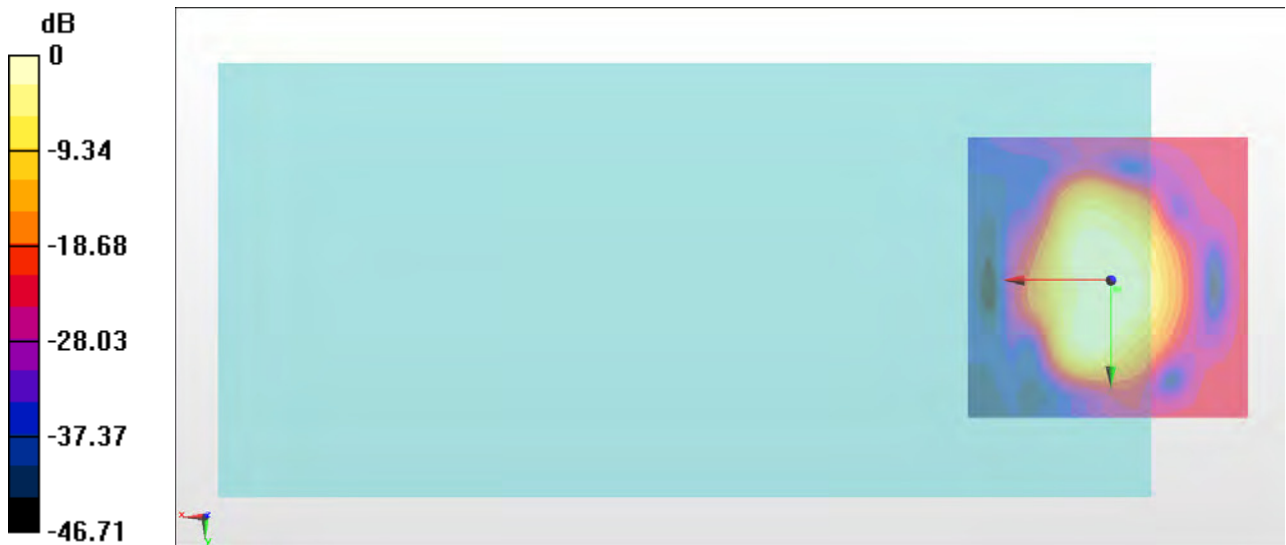
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 32.04 dB

ABM1 comp = -6.65 dBA/m

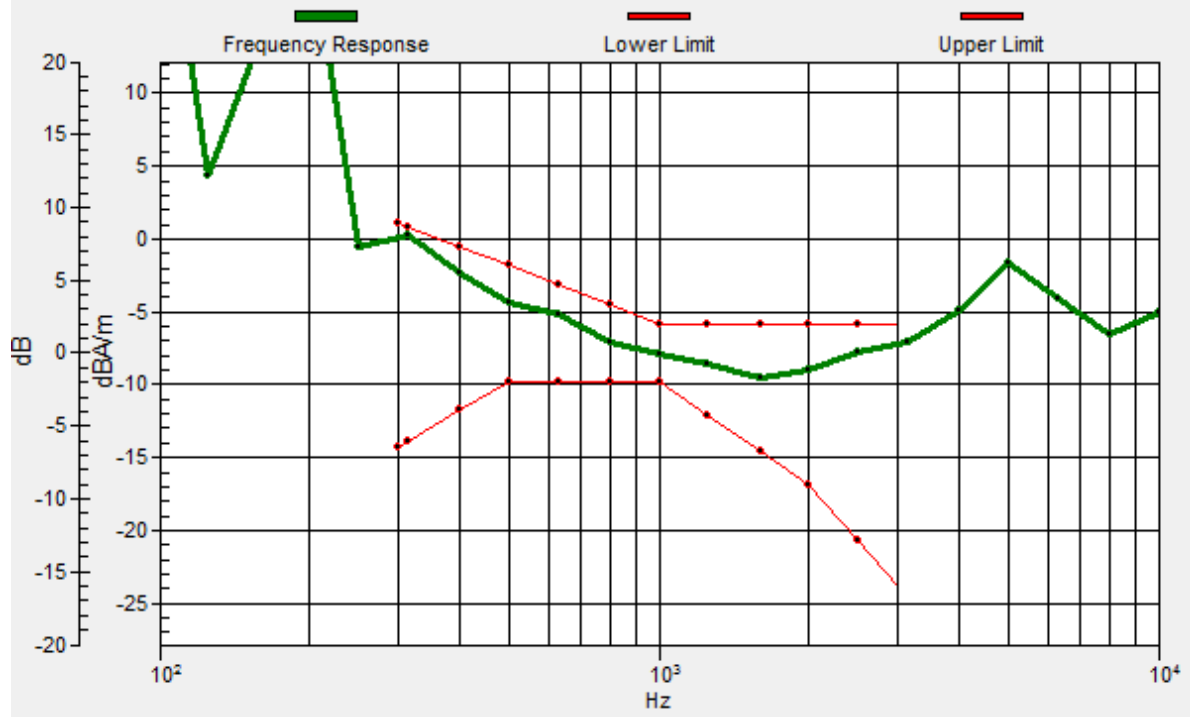
Location: -0.9, 1.6, 3.7 mm



0 dB = 40.00 = 32.04 dB

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

Loc: -1.3, 1.6, 3.7 mm Diff: 0.52dB



# #12\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch132322\_Transversal (Y)

Communication System: LTE ; Frequency: 1745 MHz

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

Ambient Temperature : 23.5 °C

## 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)

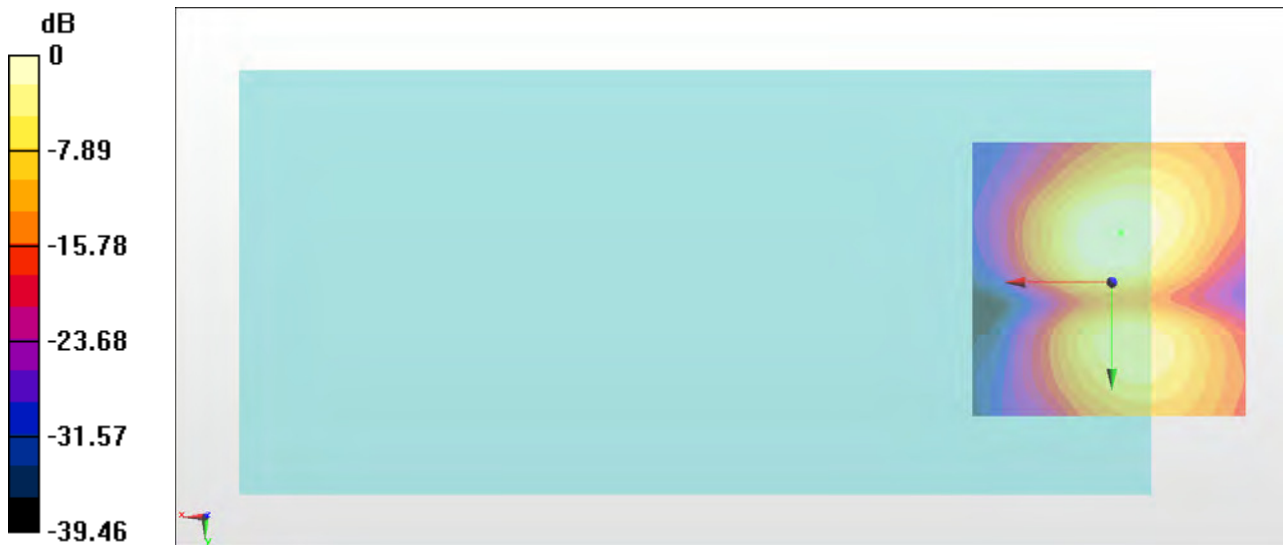
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 29.07 dB

ABM1 comp = -14.30 dBA/m

Location: -1.6, -8.9, 3.7 mm



0 dB = 28.41 = 29.07 dB

# #13\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch133322\_Axial (Z)

Communication System: LTE ; Frequency: 683 MHz

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

Ambient Temperature : 23.5 °C

## 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)

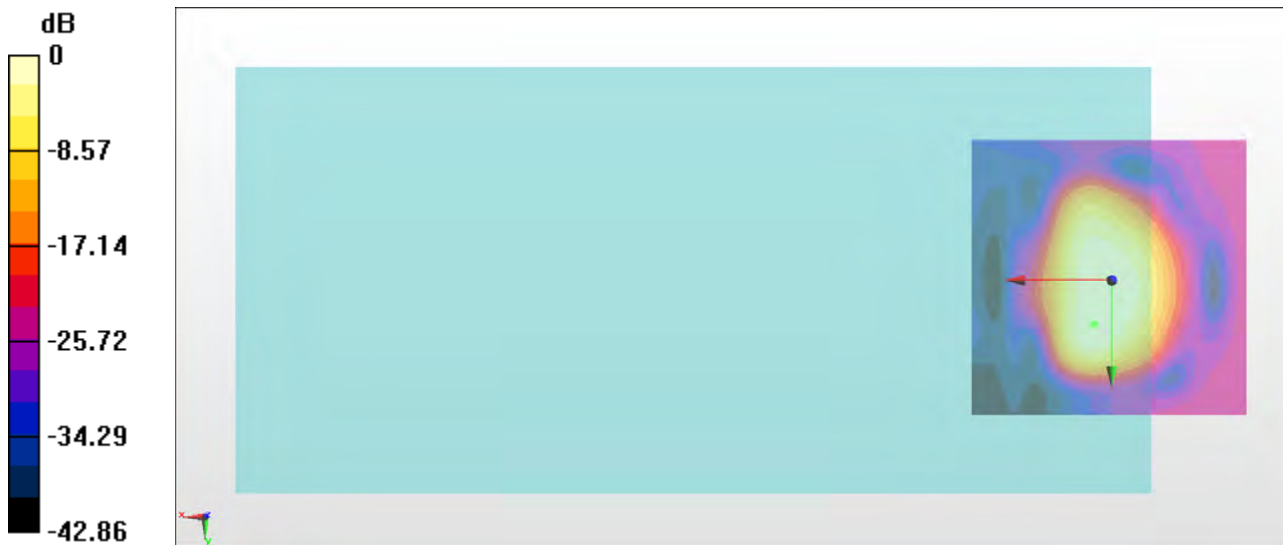
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 31.53 dB

ABM1 comp = -8.04 dBA/m

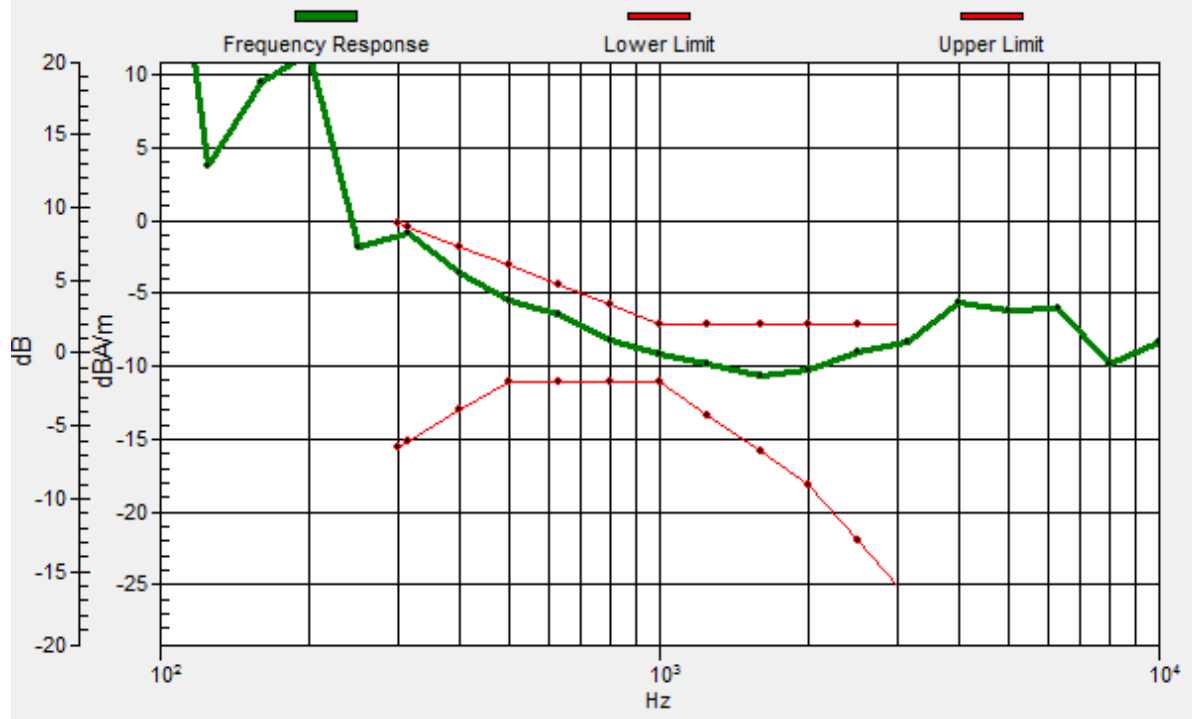
Location: 3.3, 7.9, 3.7 mm



0 dB = 37.73 = 31.53 dB

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

Loc: 3.1, 7.8, 3.7 mm Diff: 0.42dB



### #13\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch133322\_Transversal (Y)

Communication System: LTE ; Frequency: 683 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

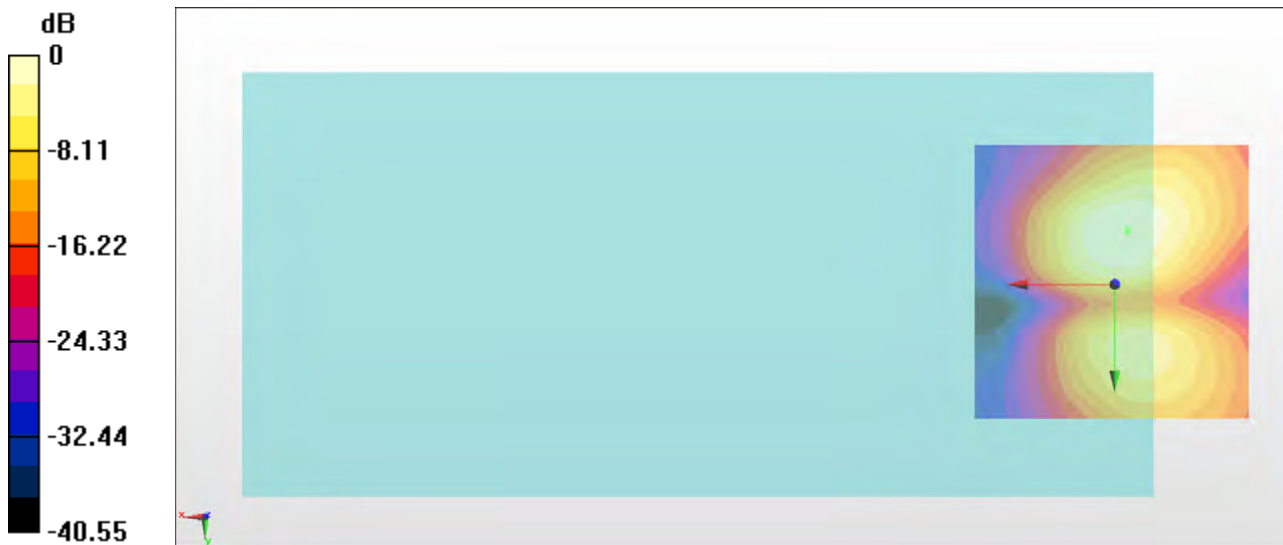
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 28.26 dB

ABM1 comp = -14.66 dBA/m

Location: -2.3, -9.6, 3.7 mm



0 dB = 25.89 = 28.26 dB

# #14\_HAC\_T-Coil\_LTE Band 38\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch38000\_Axial (Z)

Communication System: LTE TDD ; Frequency: 2595 MHz

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

Ambient Temperature : 23.5 °C

## 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)

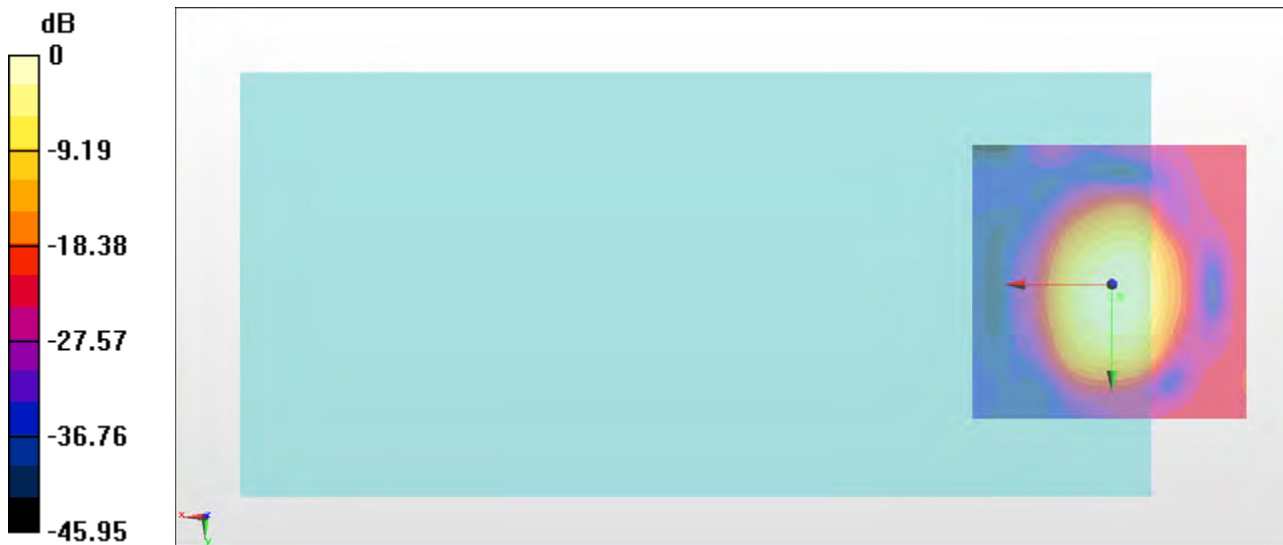
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 26.75 dB

ABM1 comp = -7.23 dBA/m

Location: -1.6, 2.3, 3.7 mm

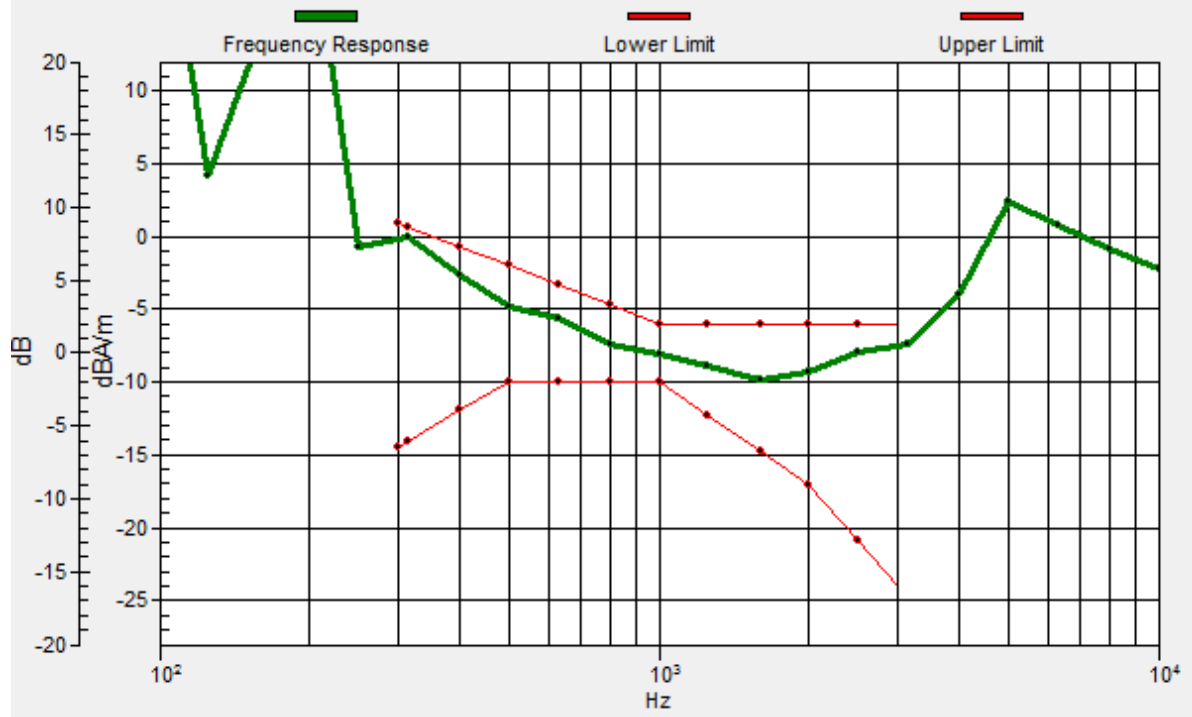


0 dB = 21.76 = 26.75 dB



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

Loc: -1.5, 2.1, 3.7 mm Diff: 0.66dB



# #14\_HAC\_T-Coil\_LTE Band 38\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch38000\_Transversal (Y)

Communication System: LTE TDD ; Frequency: 2595 MHz

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

Ambient Temperature : 23.5 °C

## 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)

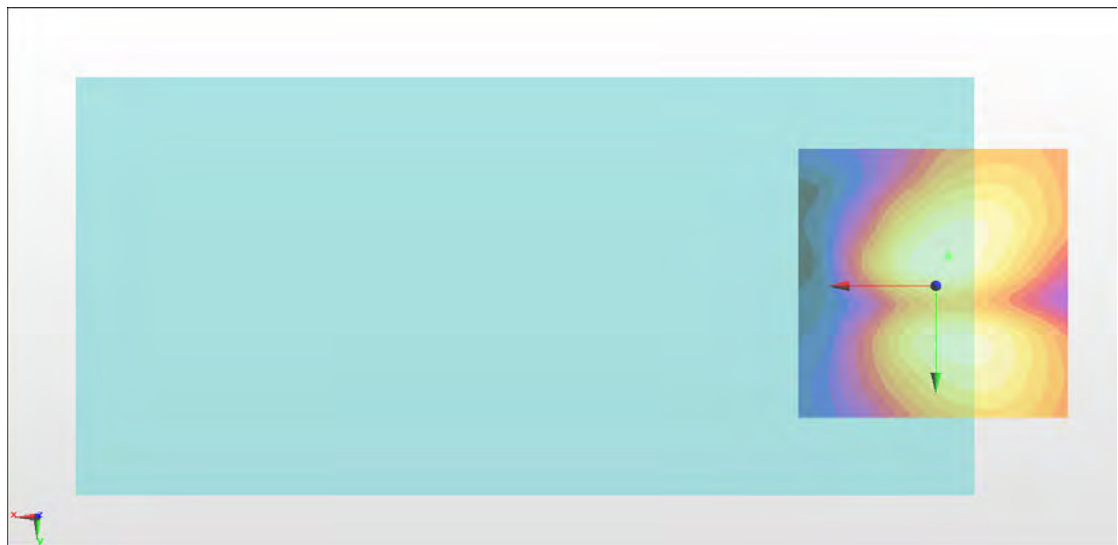
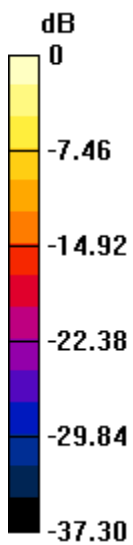
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 25.30 dB

ABM1 comp = -15.36 dBA/m

Location: -2.3, -5.4, 3.7 mm



0 dB = 18.40 = 25.30 dB

# #15\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch40620\_Axial (Z)

Communication System: LTE TDD ; Frequency: 2593 MHz

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

Ambient Temperature : 23.5 °C

## 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)

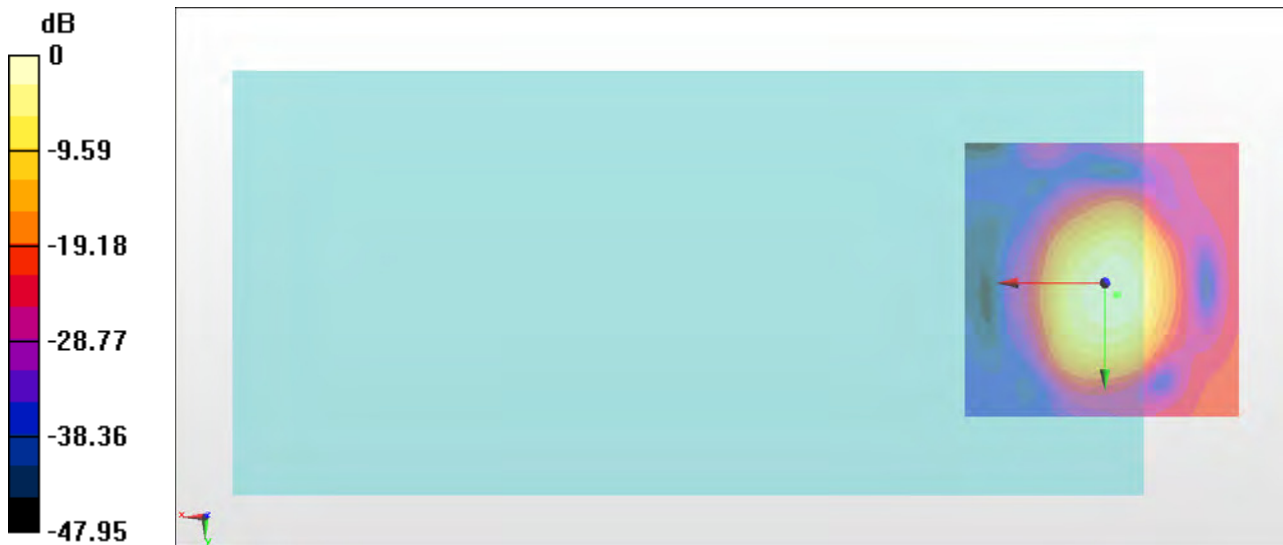
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 27.20 dB

ABM1 comp = -7.99 dBA/m

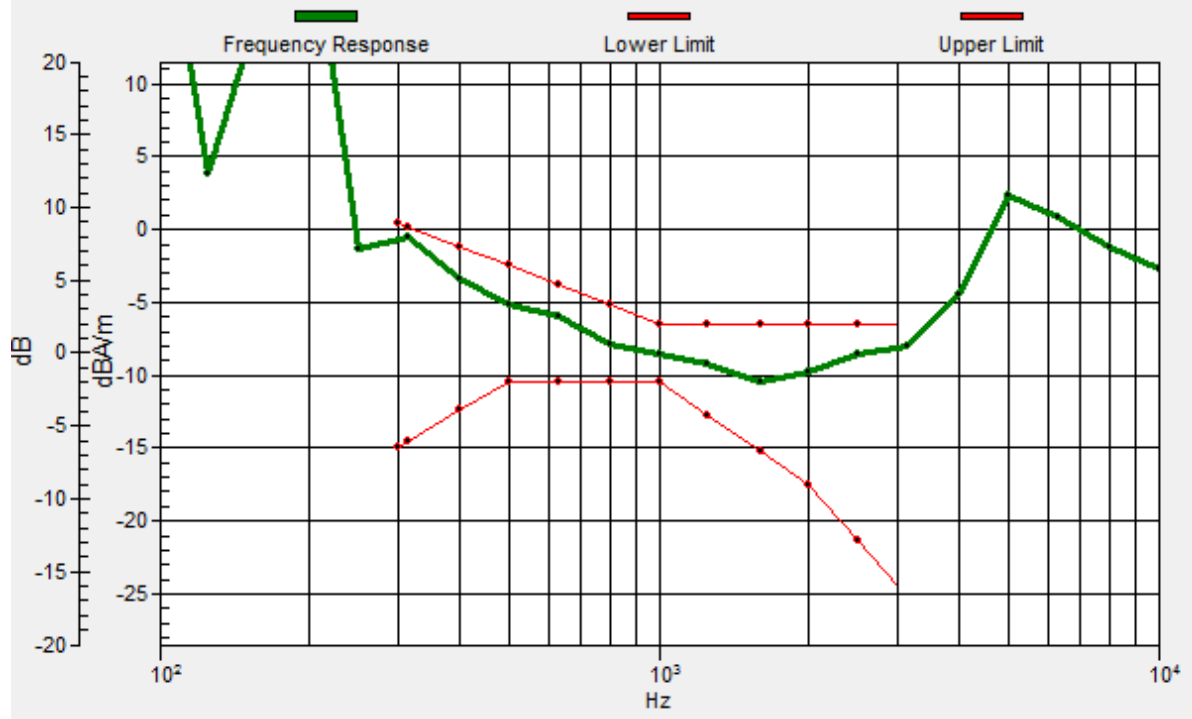
Location: -2.3, 2.3, 3.7 mm



0 dB = 22.90 = 27.20 dB

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

Loc: -2, 2.2, 3.7 mm Diff: 0.68dB



# #15\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_0offset\_NB AMR 12.2Kbps\_Ch40620\_Transversal (Y)

Communication System: LTE TDD ; Frequency: 2593 MHz

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

Ambient Temperature : 23.5 °C

## 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)

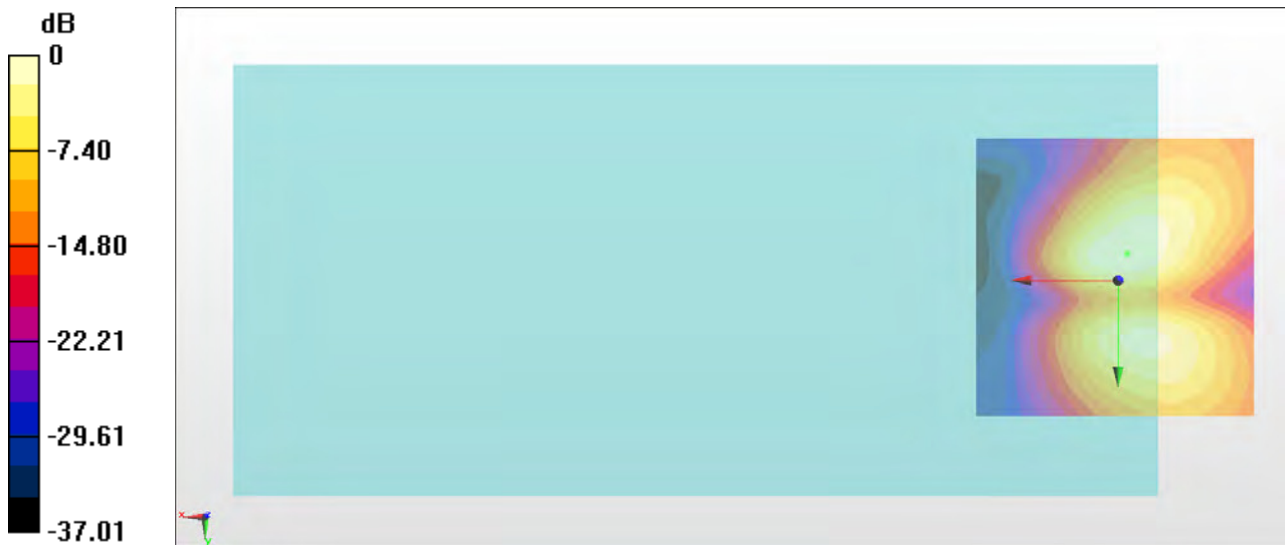
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 25.28 dB

ABM1 comp = -15.12 dBA/m

Location: -1.6, -4.7, 3.7 mm



0 dB = 18.37 = 25.28 dB

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

Ambient Temperature : 23.5 °C

#### 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)

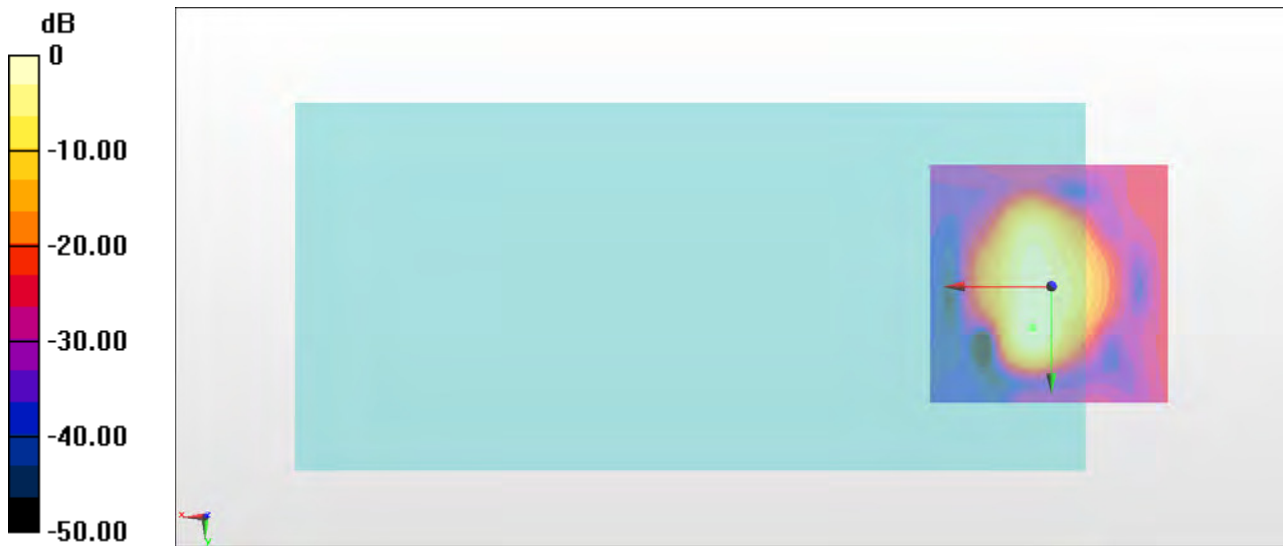
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 29.96 dB

ABM1 comp = -10.54 dBA/m

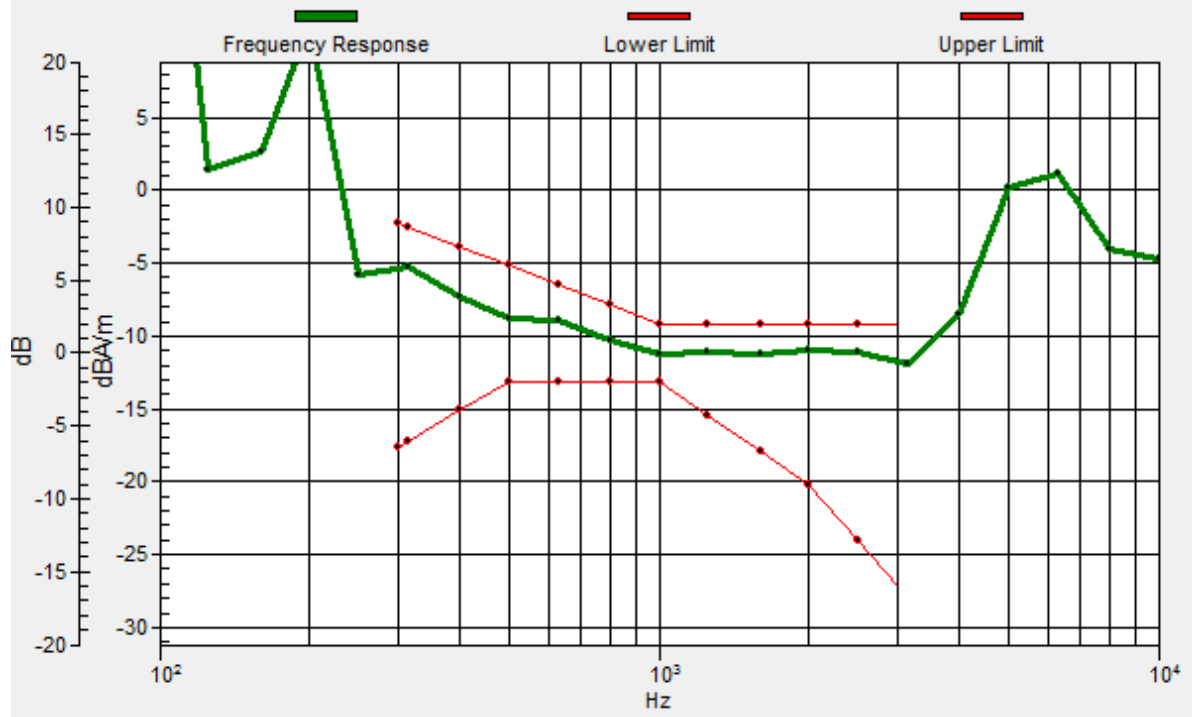
Location: 4, 8.6, 3.7 mm



0 dB = 31.47 = 29.96 dB

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

Loc: 3.8, 8.4, 3.7 mm Diff: 1.78dB



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

Ambient Temperature : 23.5 °C

## 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)

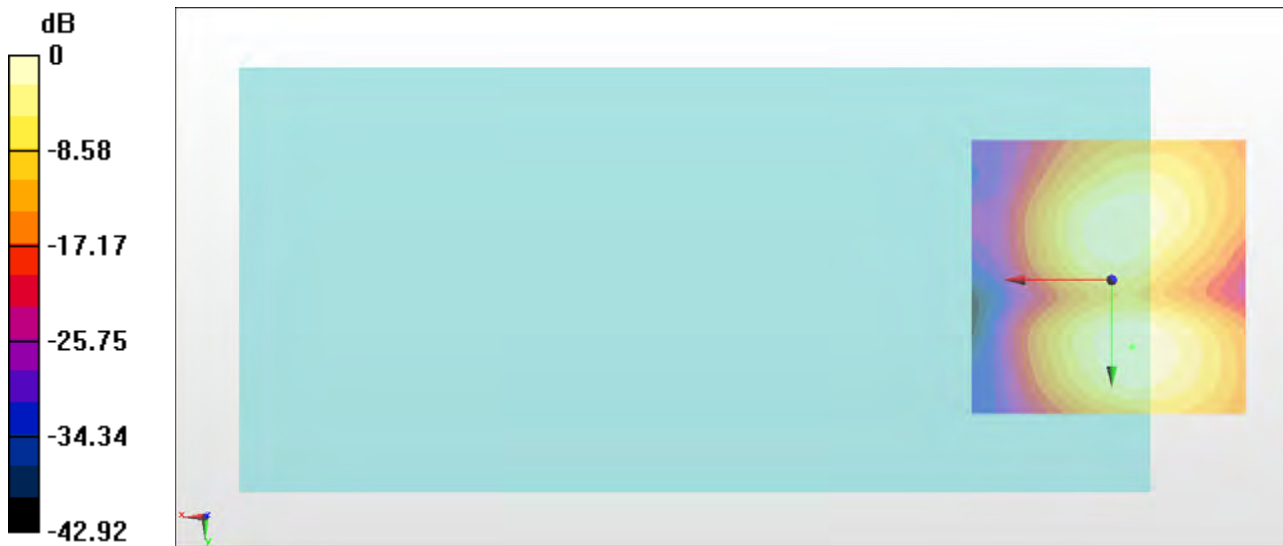
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 25.08 dB

ABM1 comp = -16.14 dBA/m

Location: -3.7, 12.1, 3.7 mm



0 dB = 17.94 = 25.08 dB



### #17\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch40\_Axial (Z)

Communication System: 802.11a ; Frequency: 5200 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

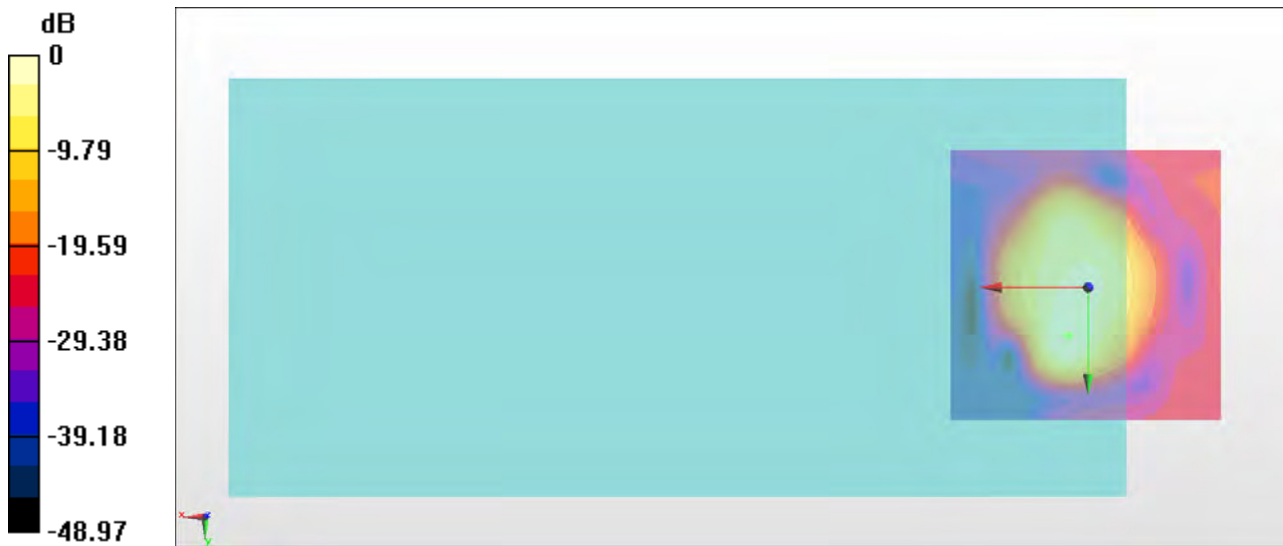
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.05 dB

ABM1 comp = -10.71 dBA/m

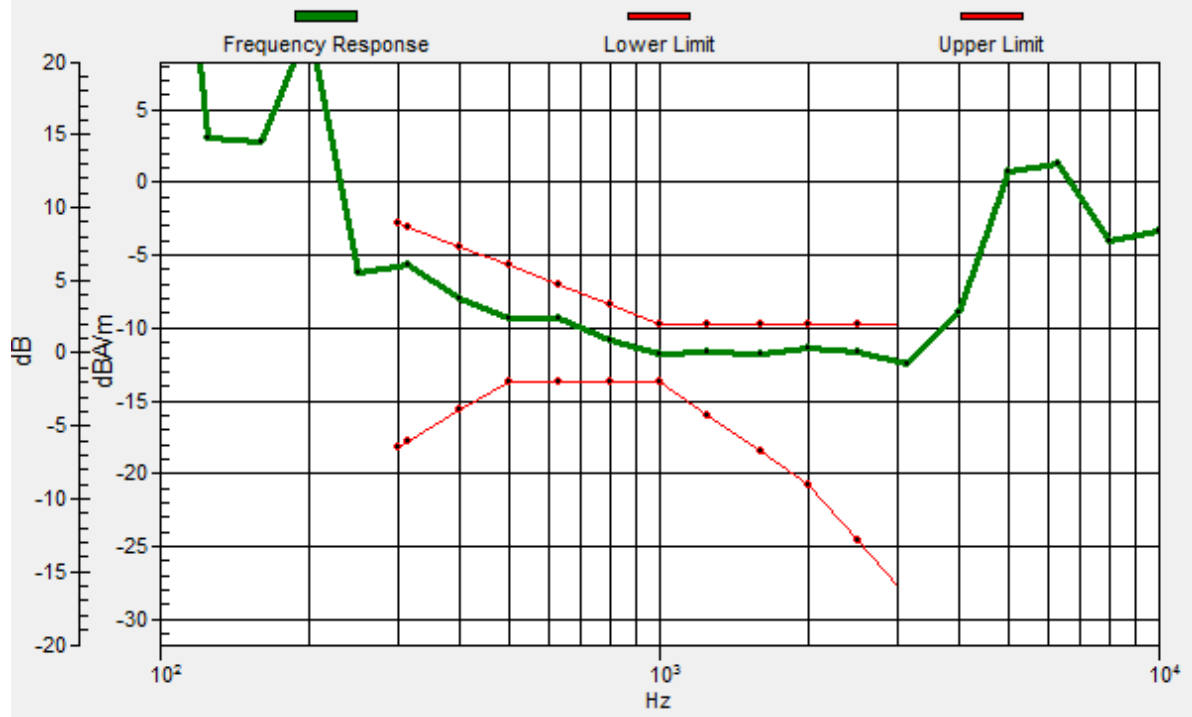
Location: 3.3, 8.6, 3.7 mm



0 dB = 31.80 = 30.05 dB

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

Loc: 3.7, 8.7, 3.7 mm Diff: 1.69dB



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

Ambient Temperature : 23.5 °C

#### 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)

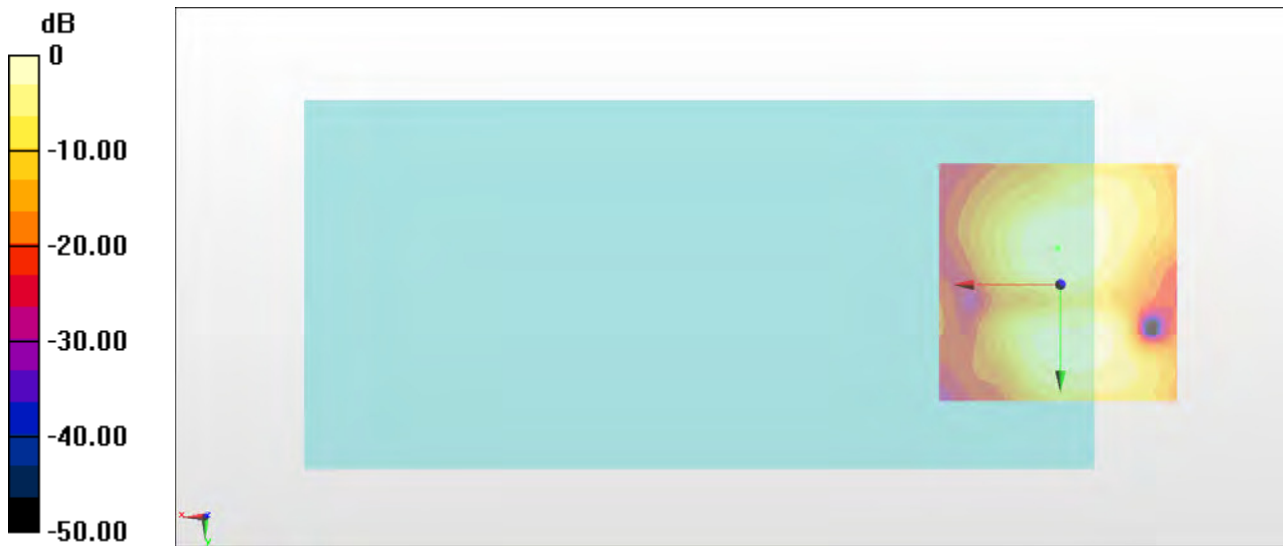
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 24.20 dB

ABM1 comp = -15.87 dBA/m

Location: 0.5, -7.5, 3.7 mm



0 dB = 16.22 = 24.20 dB

### #18\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch60\_Axial (Z)

Communication System: 802.11a ; Frequency: 5300 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

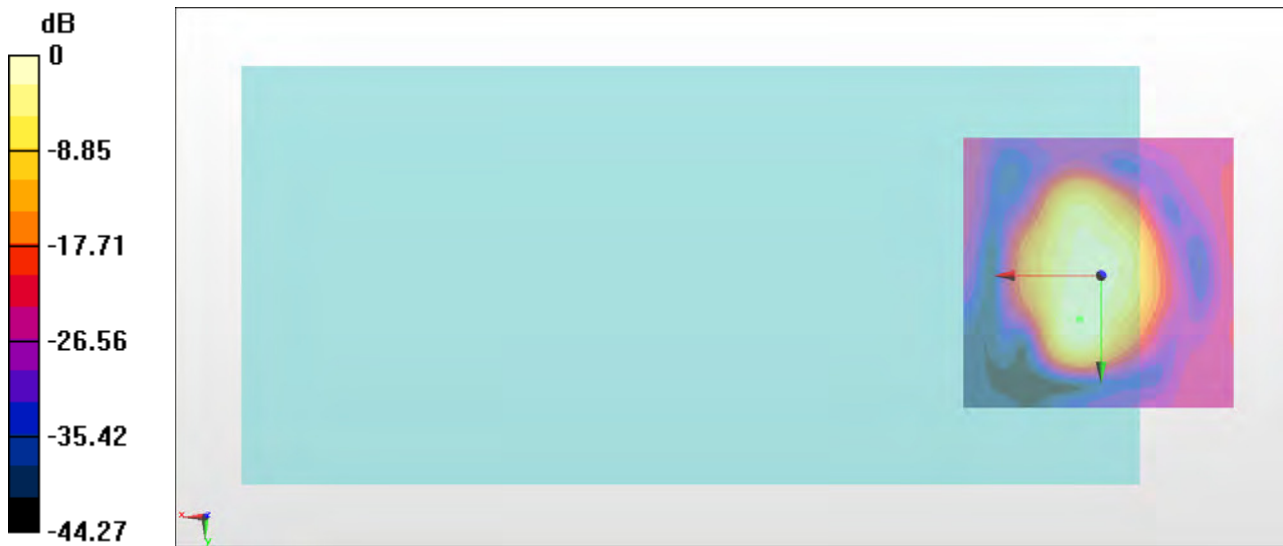
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.00 dB

ABM1 comp = -9.68 dBA/m

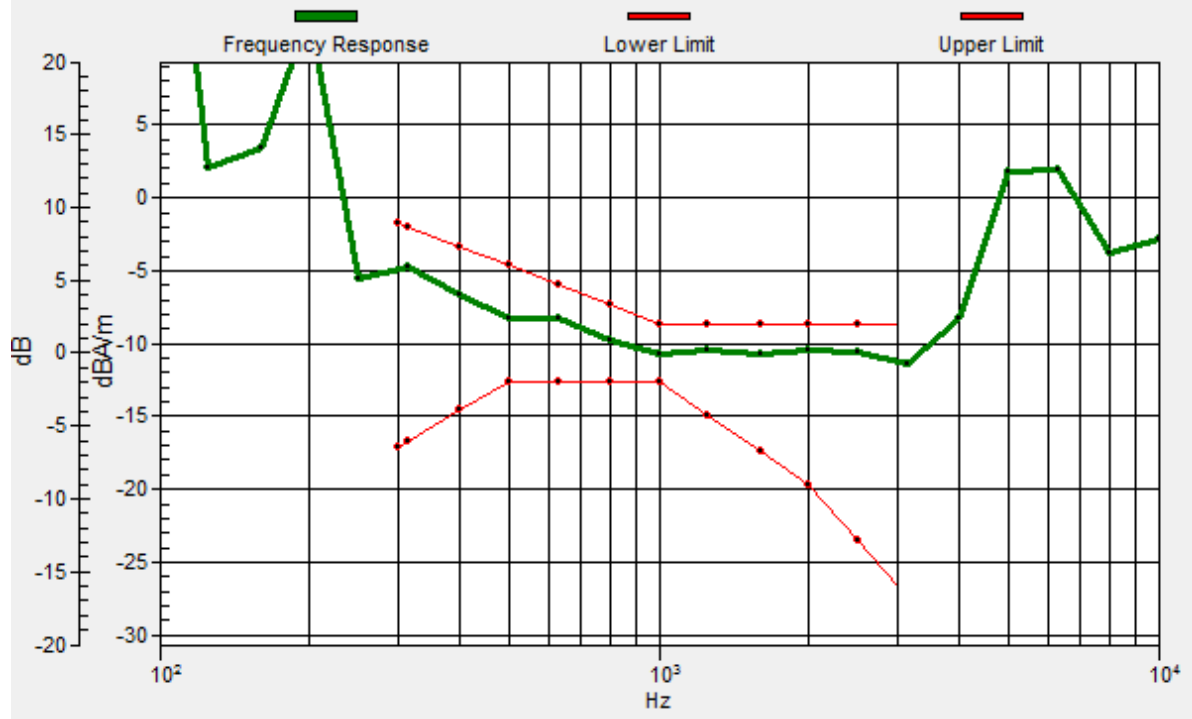
Location: 4, 7.9, 3.7 mm



0 dB = 31.61 = 30.00 dB

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

Loc: 3.7, 7.8, 3.7 mm Diff: 1.73dB



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

Ambient Temperature : 23.5 °C

### 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)

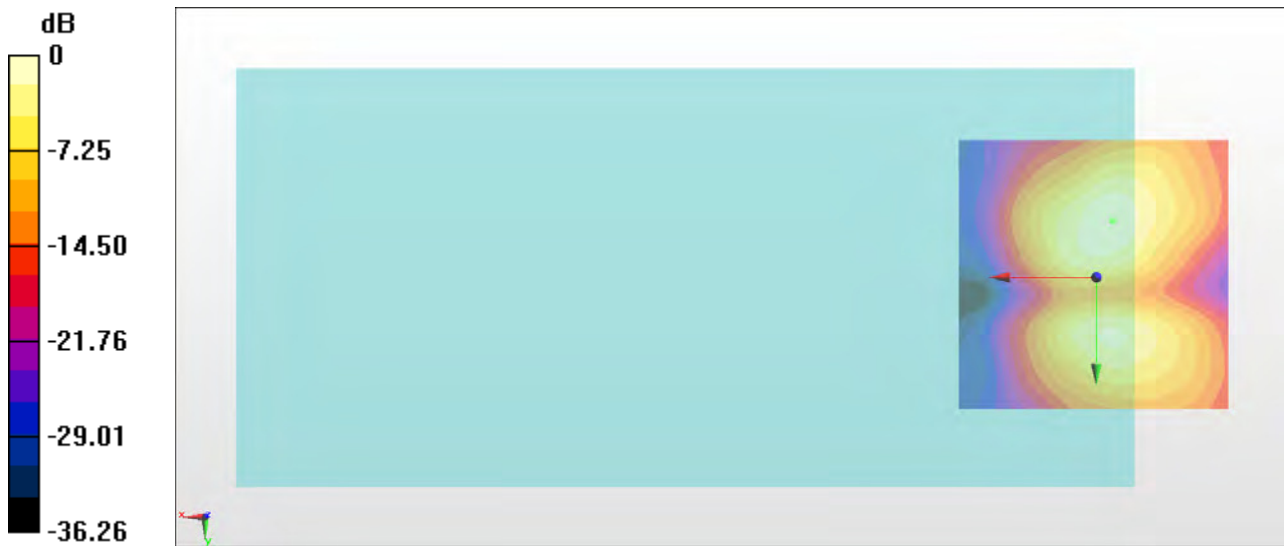
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 26.24 dB

ABM1 comp = -16.55 dBA/m

Location: -3, -10.3, 3.7 mm



0 dB = 20.51 = 26.24 dB

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

Ambient Temperature : 23.5 °C

#### 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)

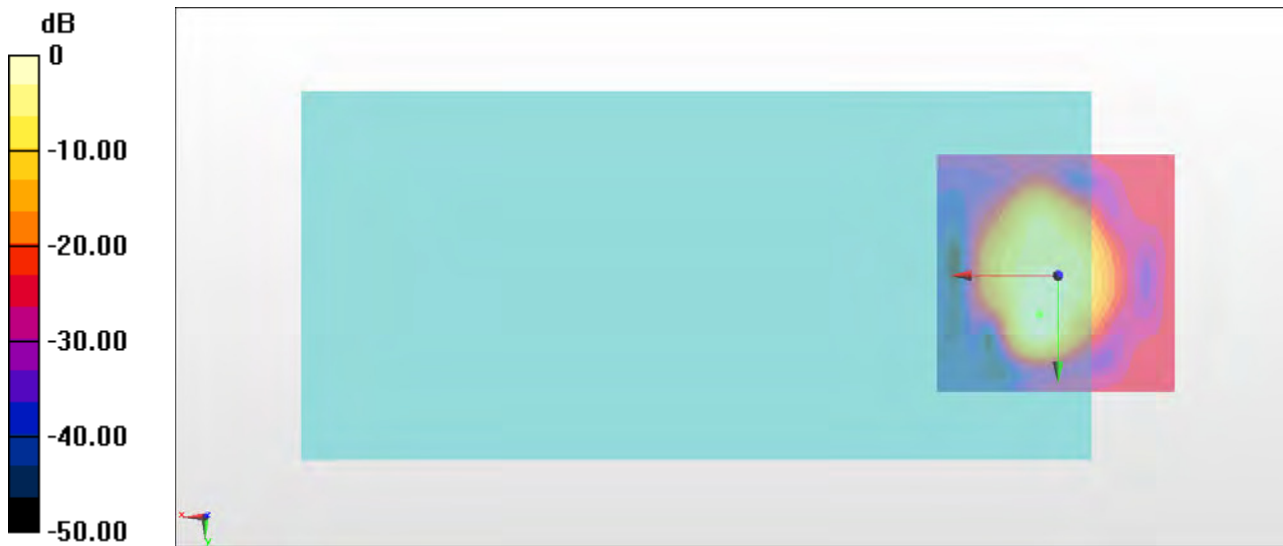
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.01 dB

ABM1 comp = -9.74 dBA/m

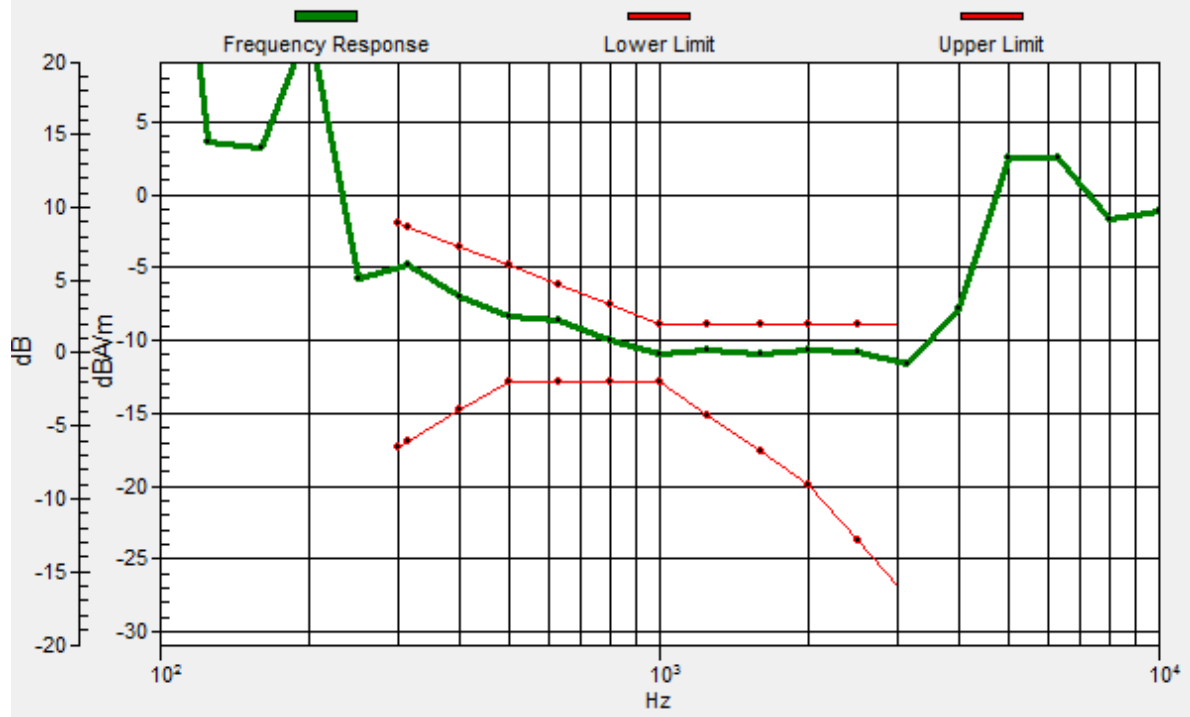
Location: 4, 7.9, 3.7 mm



0 dB = 31.66 = 30.01 dB

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

Loc: 3.7, 8, 3.7 mm Diff: 1.76dB





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

Ambient Temperature : 23.5 °C

#### 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)

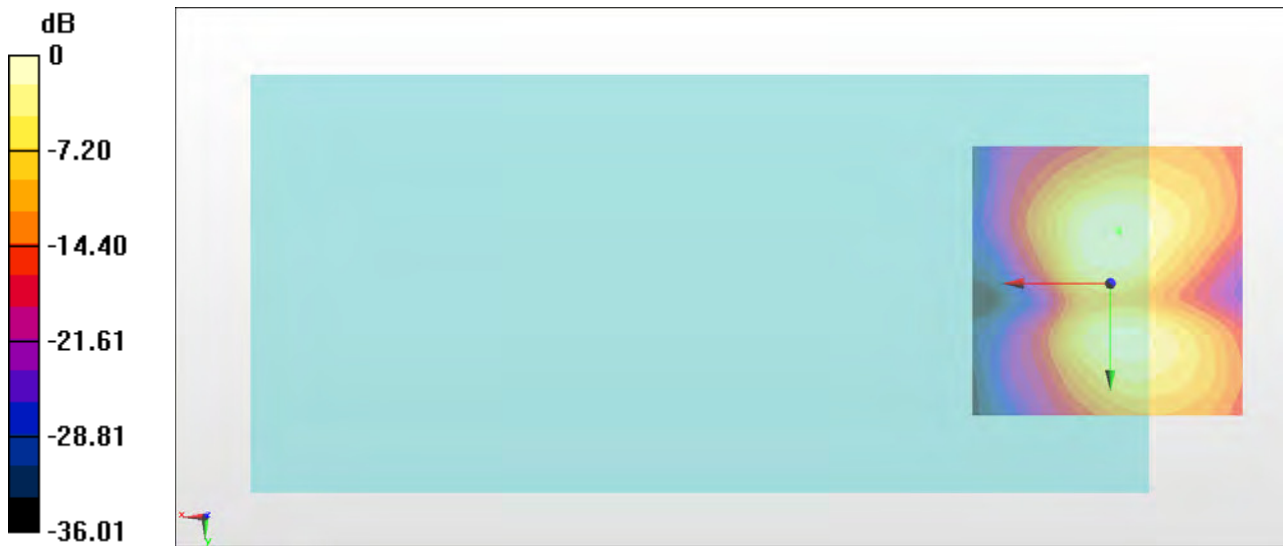
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 26.16 dB

ABM1 comp = -15.55 dBA/m

Location: -1.6, -9.6, 3.7 mm



0 dB = 20.32 = 26.16 dB

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

Ambient Temperature : 23.5 °C

#### 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)

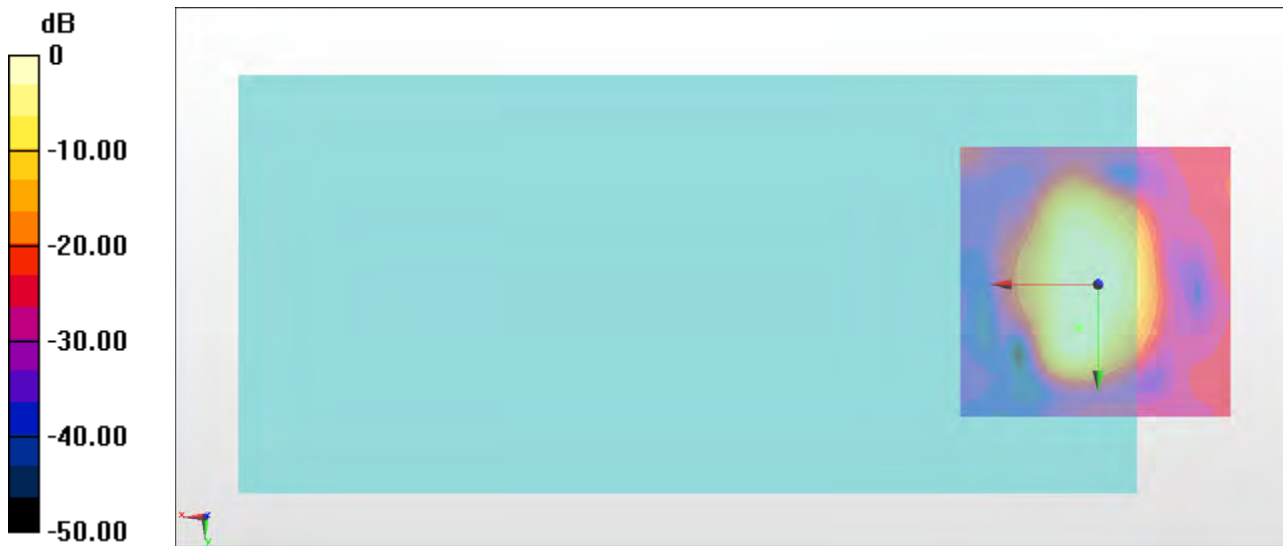
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 28.77 dB

ABM1 comp = -9.84 dBA/m

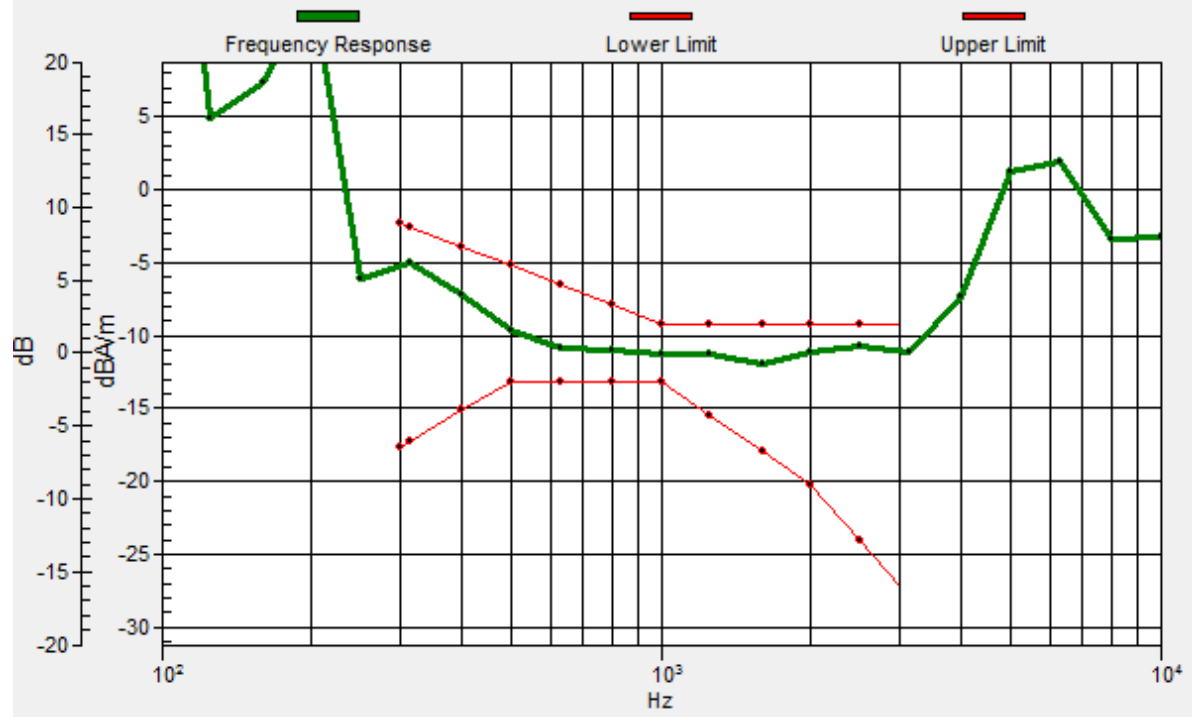
Location: 3.3, 7.9, 3.7 mm



0 dB = 27.44 = 28.77 dB

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

Loc: 3.6, 7.9, 3.7 mm Diff: 1.47dB



## #20\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157\_Transversal (Y)

Communication System: 802.11a ; Frequency: 5785 MHz

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

Ambient Temperature : 23.5 °C

### 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)

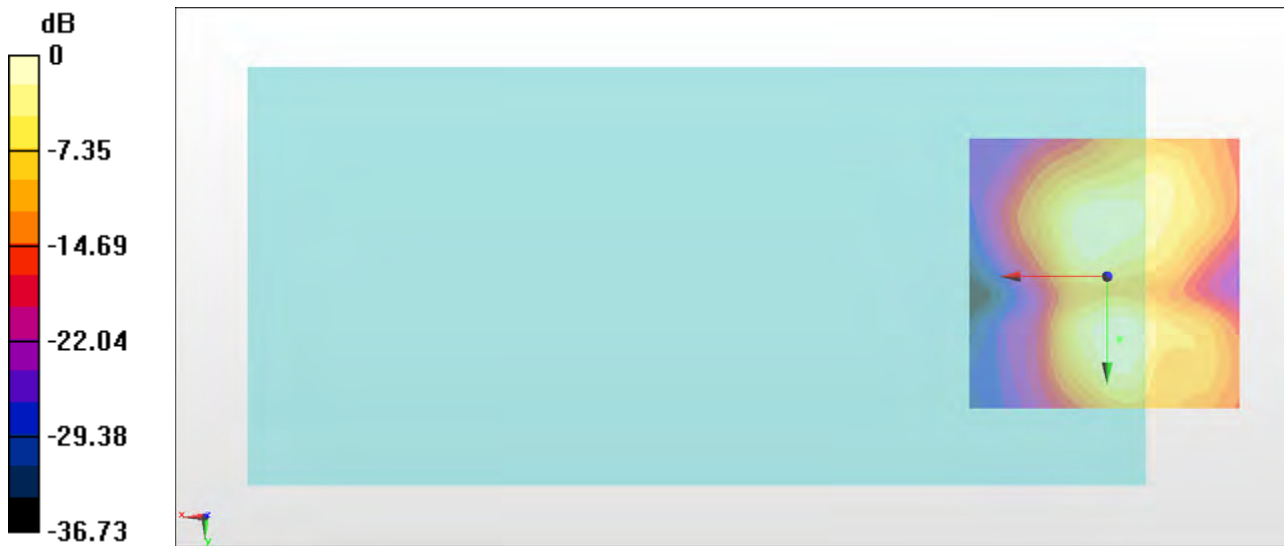
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 25.00 dB

ABM1 comp = -15.26 dBA/m

Location: -2.3, 11.4, 3.7 mm



0 dB = 17.79 = 25.00 dB

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

Ambient Temperature : 23.5 °C

#### 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)

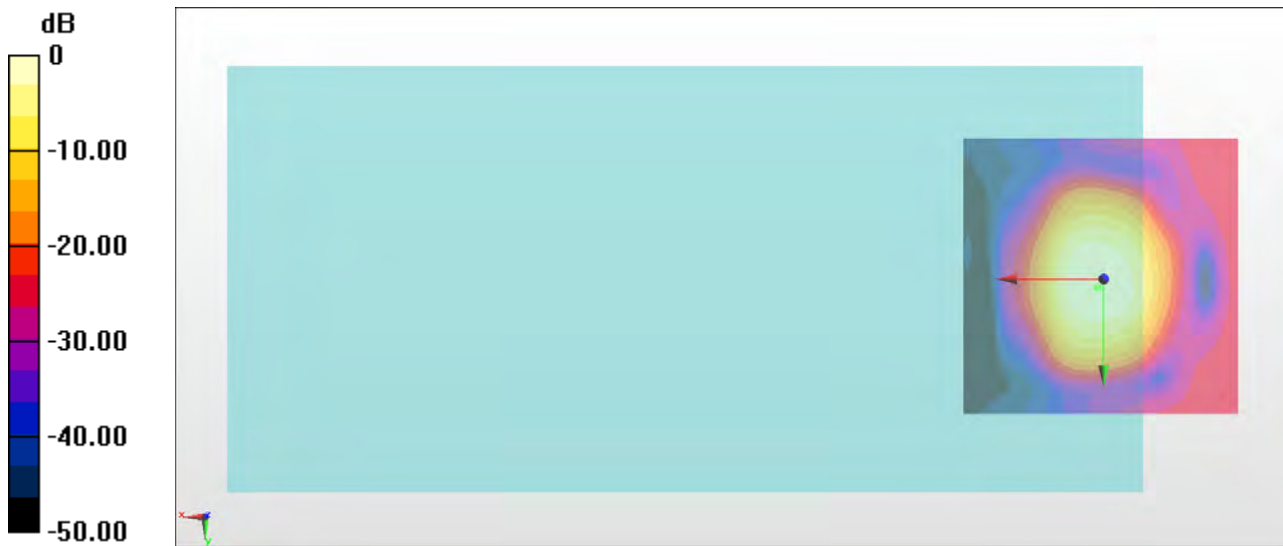
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 47.36 dB

ABM1 comp = 11.13 dBA/m

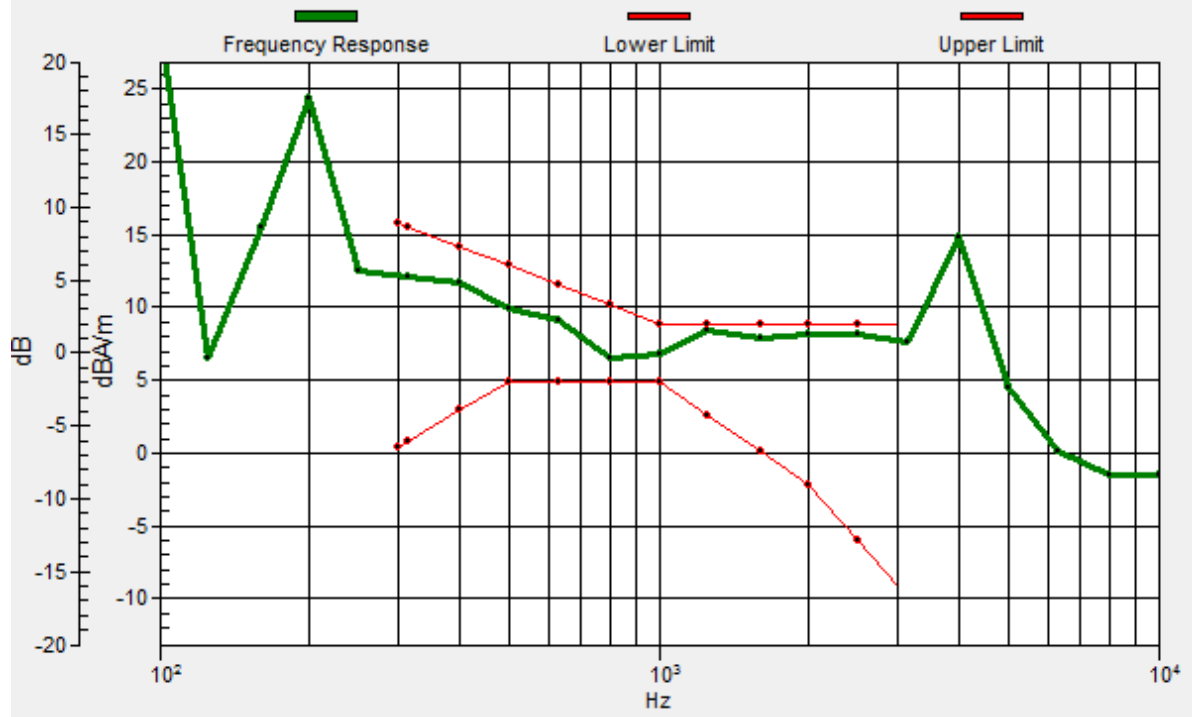
Location: 1.2, 1.6, 3.7 mm



0 dB = 233.4 = 47.36 dB

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

Loc: 0.9, 1.4, 3.7 mm Diff: 0.45dB



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

Ambient Temperature : 23.5 °C

### 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)

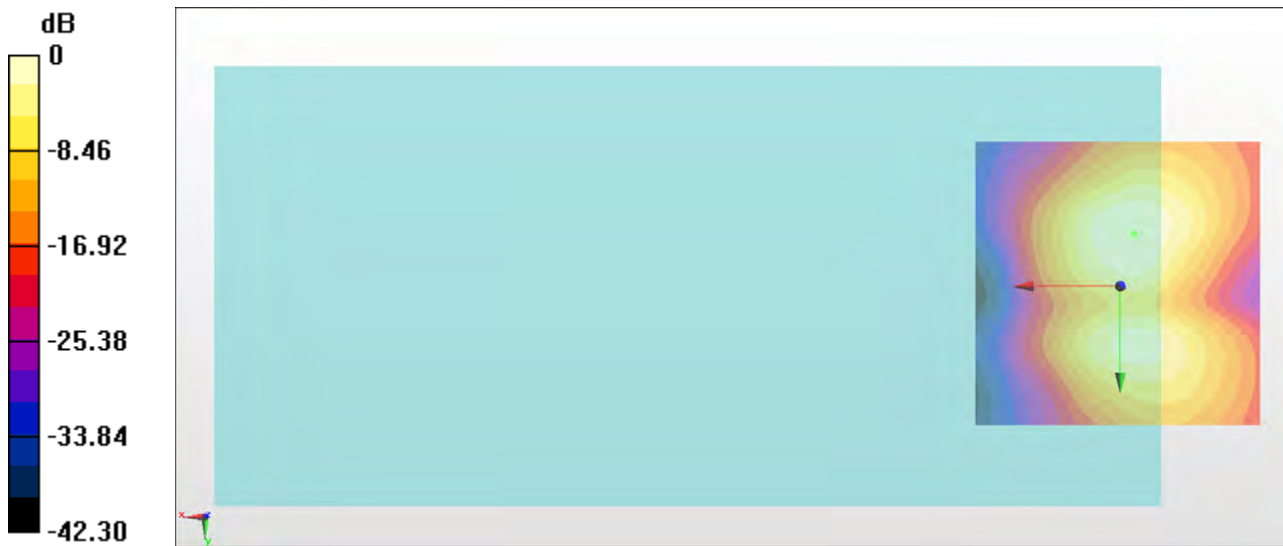
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 46.00 dB

ABM1 comp = 1.77 dBA/m

Location: -2.3, -8.9, 3.7 mm



0 dB = 199.6 = 46.00 dB

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

Ambient Temperature : 23.5 °C

### 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)

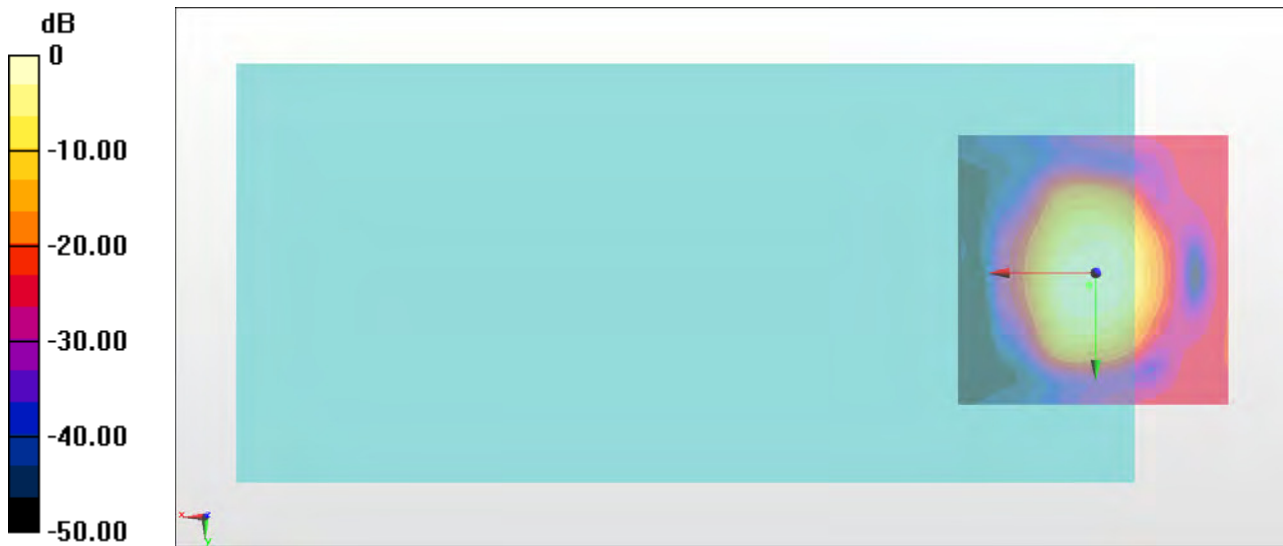
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 47.71 dB

ABM1 comp = 11.11 dBA/m

Location: 1.2, 2.3, 3.7 mm

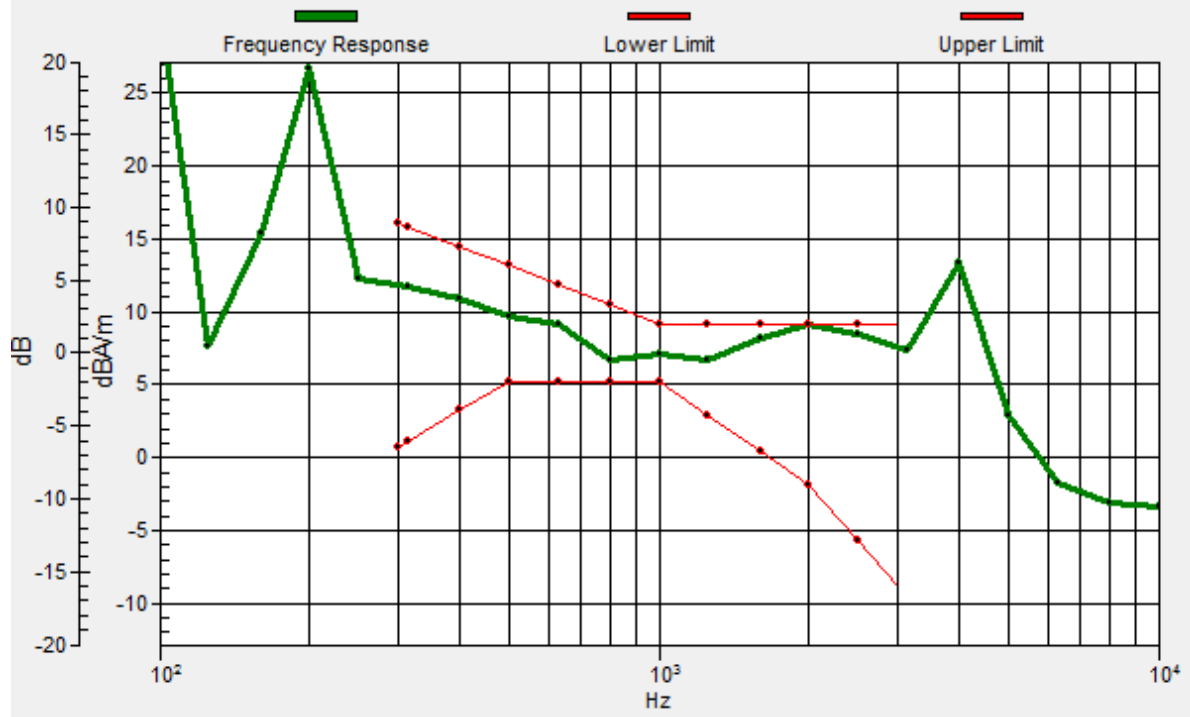


0 dB = 242.8 = 47.71 dB



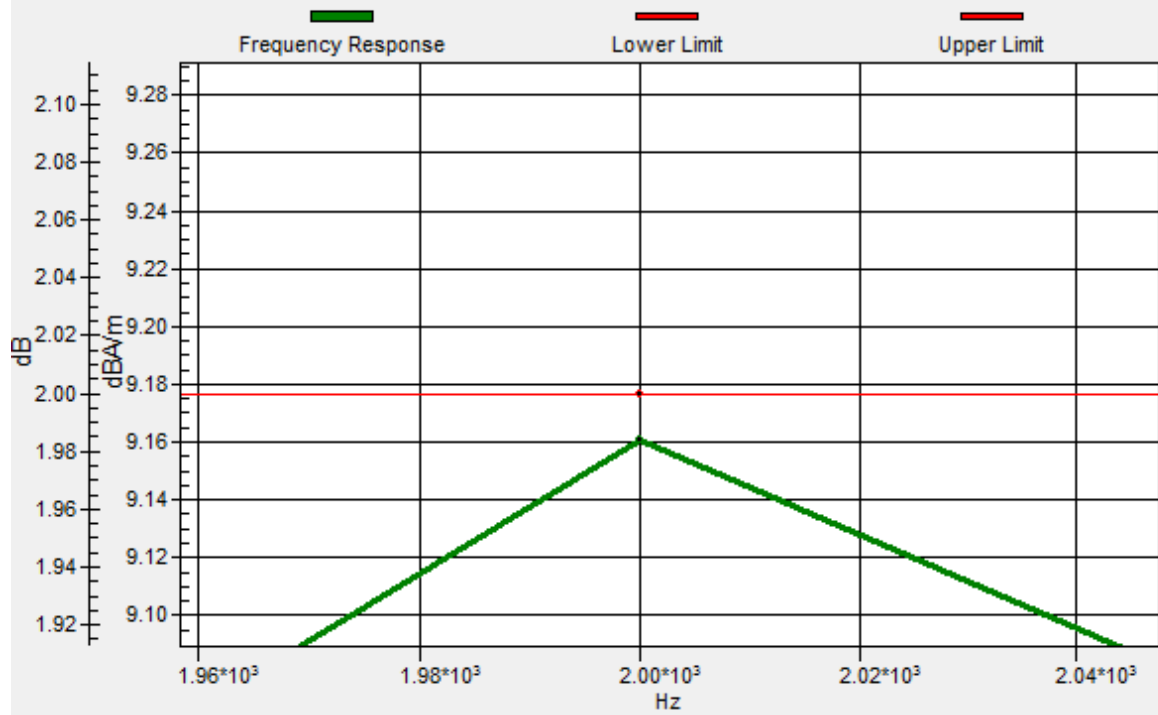
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1.3, 2.2, 3.7 mm Diff: 0.02dB



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

Loc: 1.3, 2.2, 3.7 mm Diff: 0.02dB



## #22\_HAC\_T-Coil\_GSM1900\_EDGE 2 Tx slots\_Ch661\_Transversal (Y)

Communication System: PCS ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

### 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)

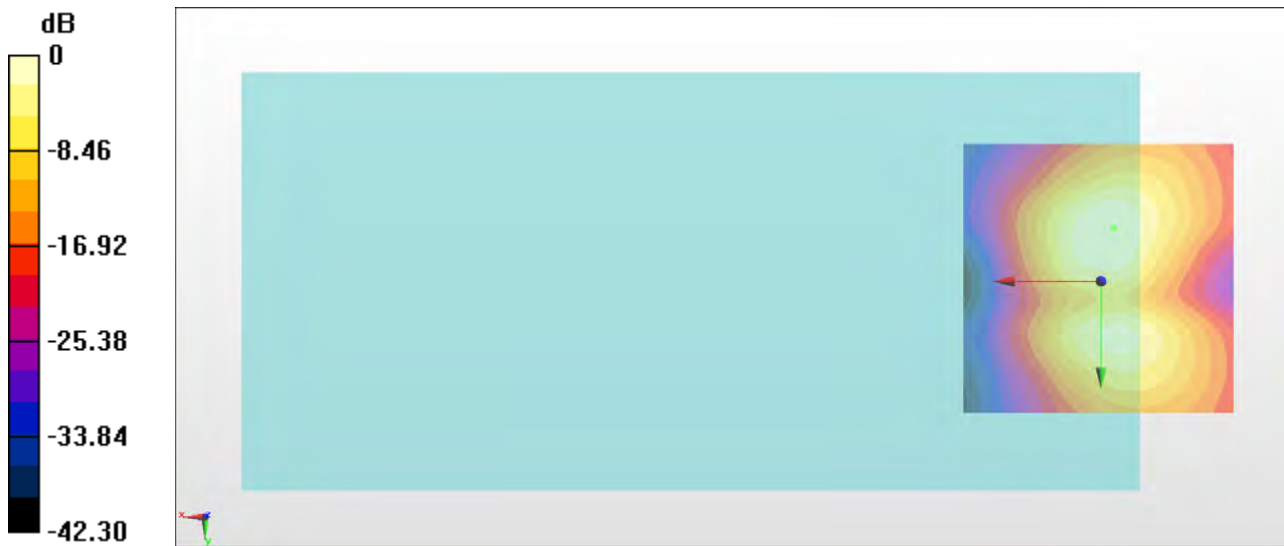
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 46.60 dB

ABM1 comp = 1.73 dBA/m

Location: -2.3, -9.6, 3.7 mm



### #23\_HAC\_T-Coil\_WCDMA II \_HSPA\_Ch9400\_Axial (Z)

Communication System: WCDMA ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

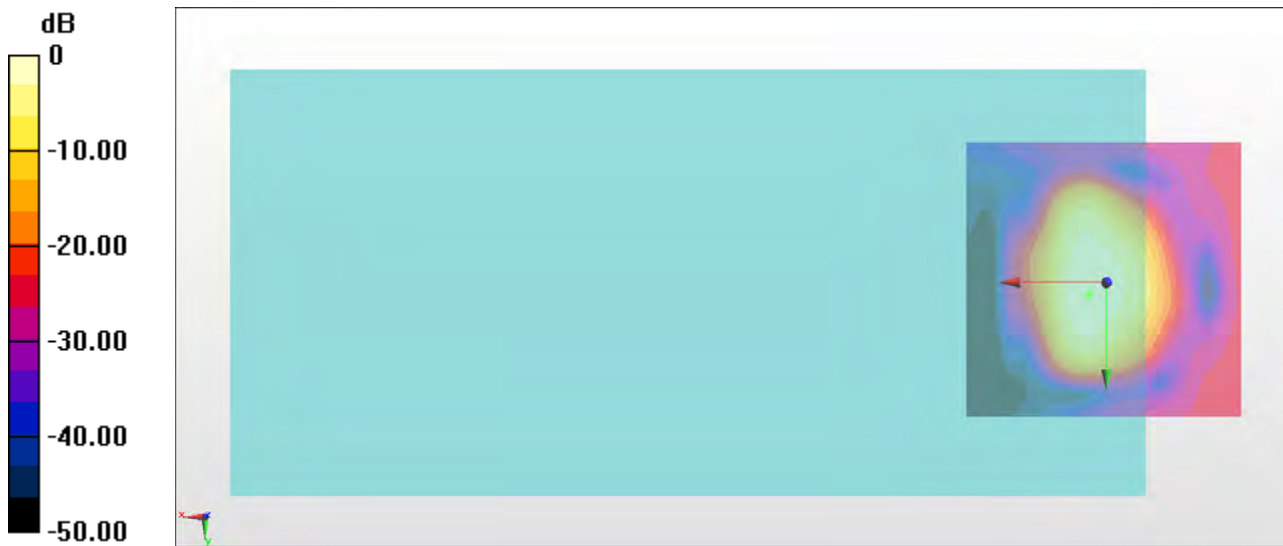
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 49.14 dB

ABM1 comp = 11.97 dBA/m

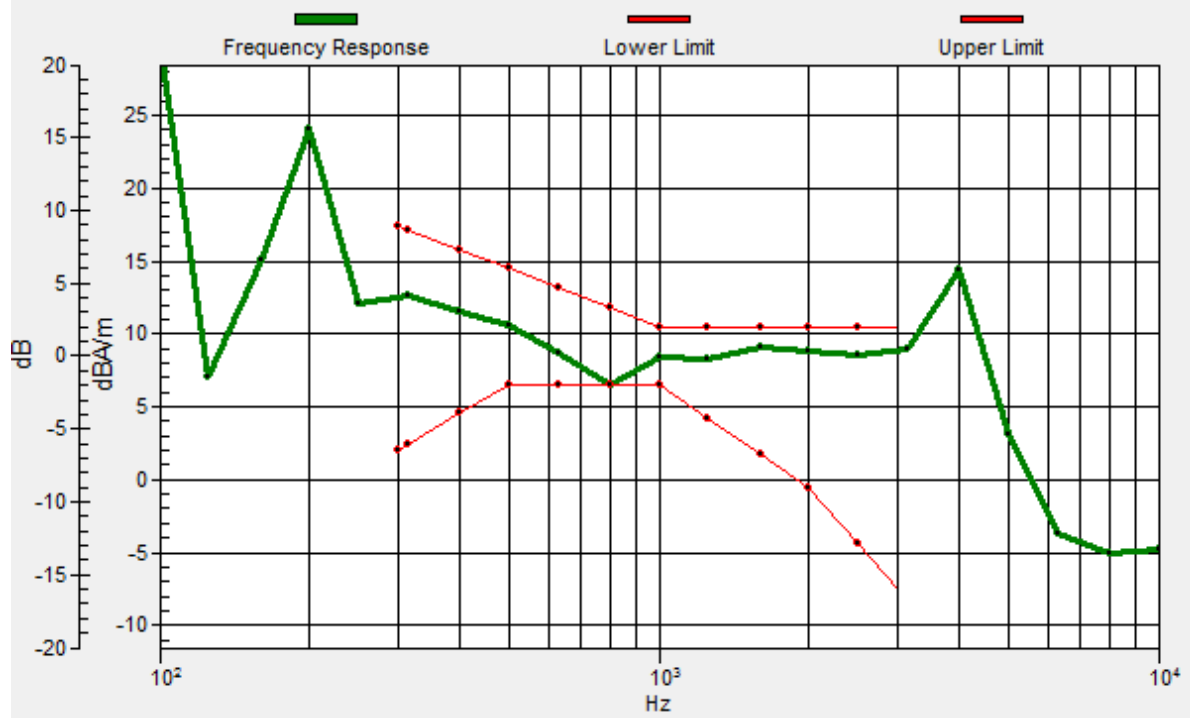
Location: 3.3, 2.3, 3.7 mm



0 dB = 286.5 = 49.14 dB

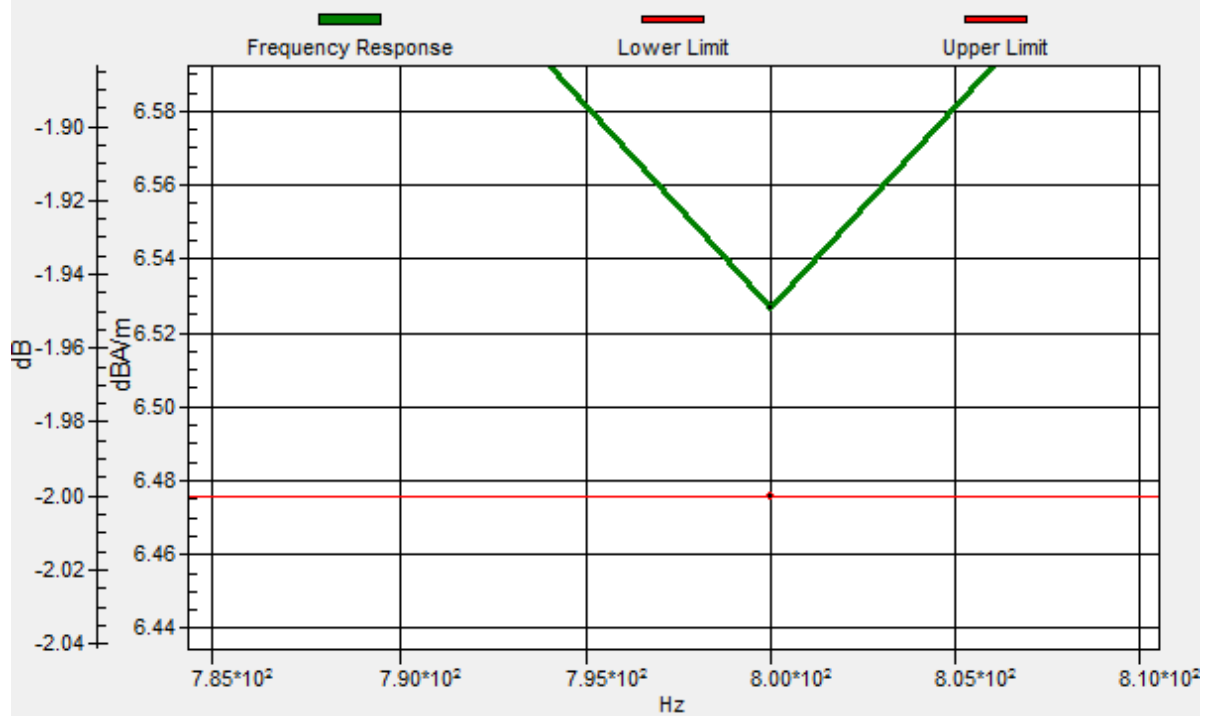
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3, 2, 3.7 mm Diff: 0.05dB



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

Loc: 3, 2, 3.7 mm Diff: 0.05dB



## #23\_HAC\_T-Coil\_WCDMA II\_HSPA\_Ch9400\_Transversal (Y)

Communication System: WCDMA ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

### 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)

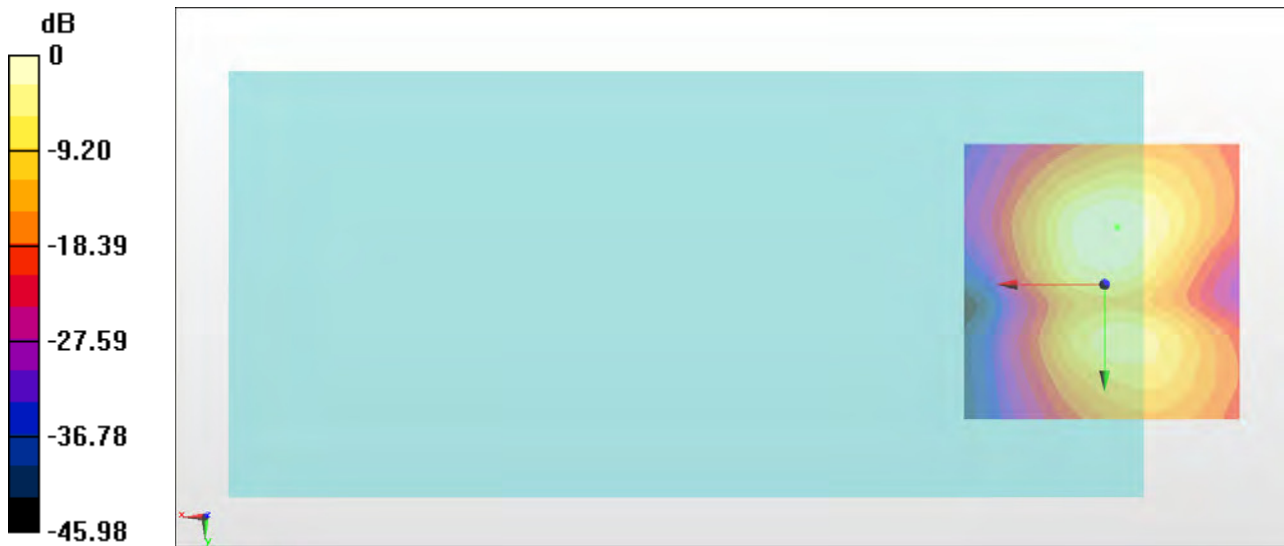
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (71x71x1):

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

ABM1/ABM2 = 47.64 dB

ABM1 comp = 1.86 dBA/m

Location: -2.3, -10.3, 3.7 mm



0 dB = 241.1 = 47.64 dB

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

Ambient Temperature : 23.5 °C

### 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)

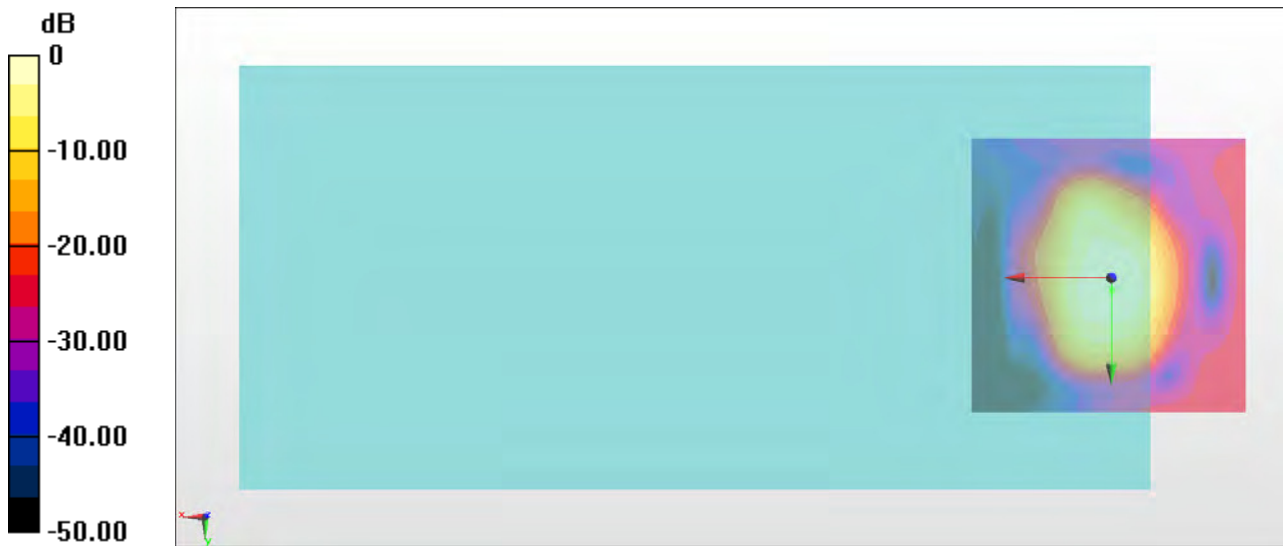
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 49.38 dB

ABM1 comp = 10.06 dBA/m

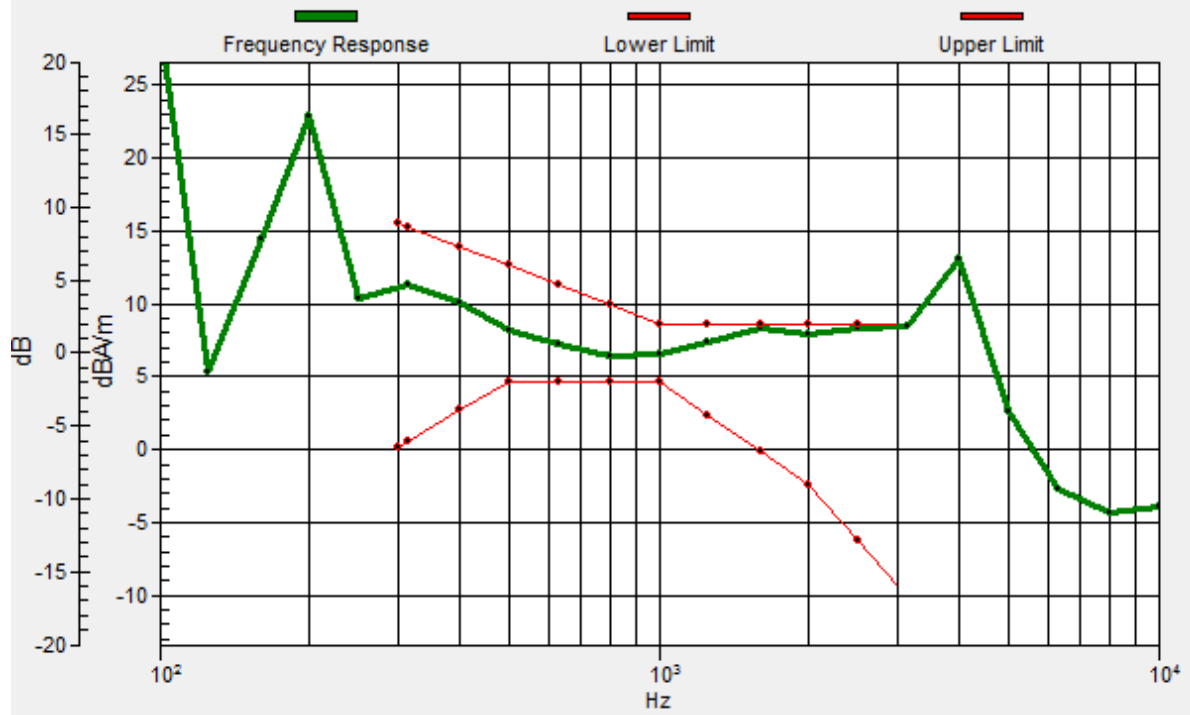
Location: -0.2, 2.3, 3.7 mm



0 dB = 294.4 = 49.38 dB

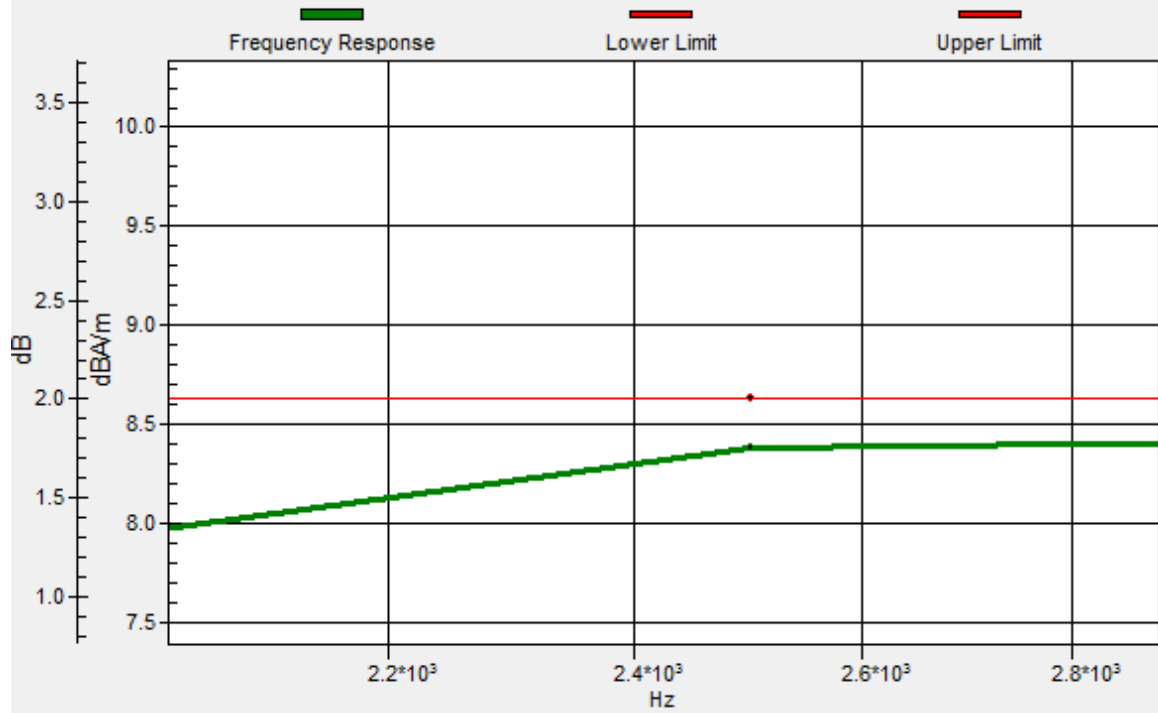
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -0.1, 2.2, 3.7 mm Diff: 0.22dB



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

Loc: -0.1, 2.2, 3.7 mm Diff: 0.22dB



## #24\_HAC\_T-Coil\_WCDMA IV\_HSPA\_Ch1413\_Transversal (Y)

Communication System: WCDMA ; Frequency: 1732.6 MHz

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

Ambient Temperature : 23.5 °C

### 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)

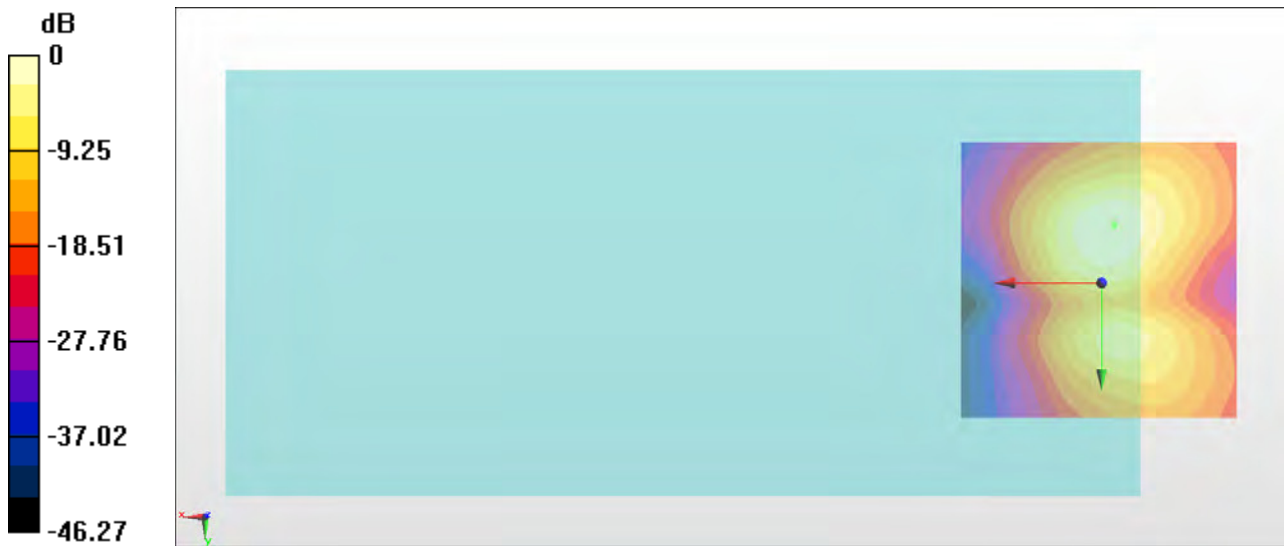
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 47.63 dB

ABM1 comp = 1.83 dBA/m

Location: -2.3, -10.3, 3.7 mm





### #25\_HAC\_T-Coil\_WCDMA V\_HSPA\_Ch4182\_Axial (Z)

Communication System: WCDMA ; Frequency: 836.4 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

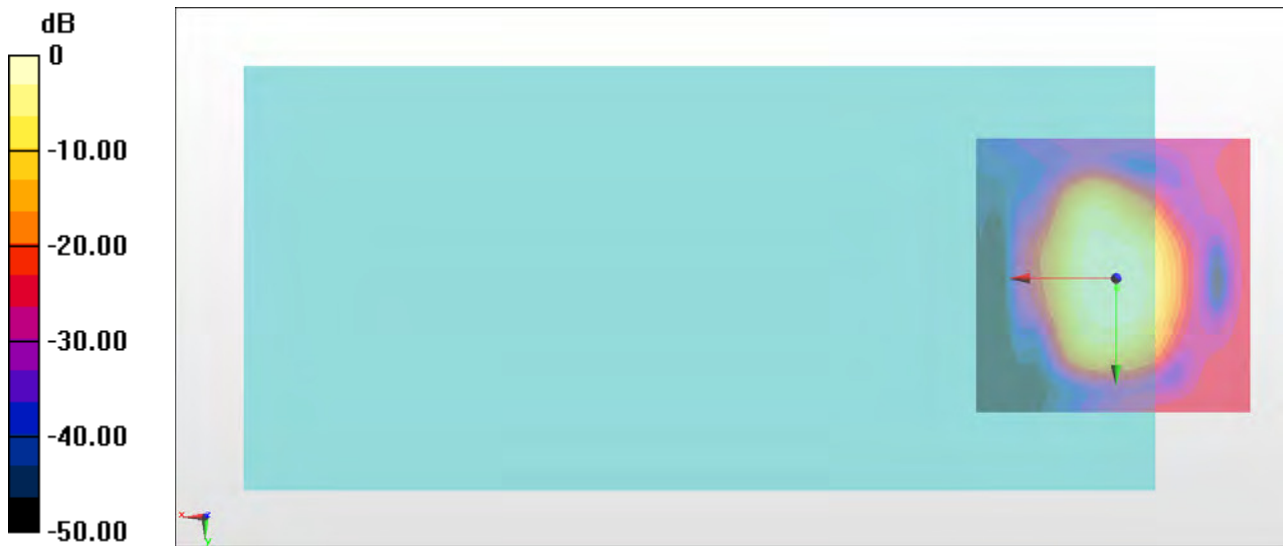
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 49.62 dB

ABM1 comp = 10.29 dBA/m

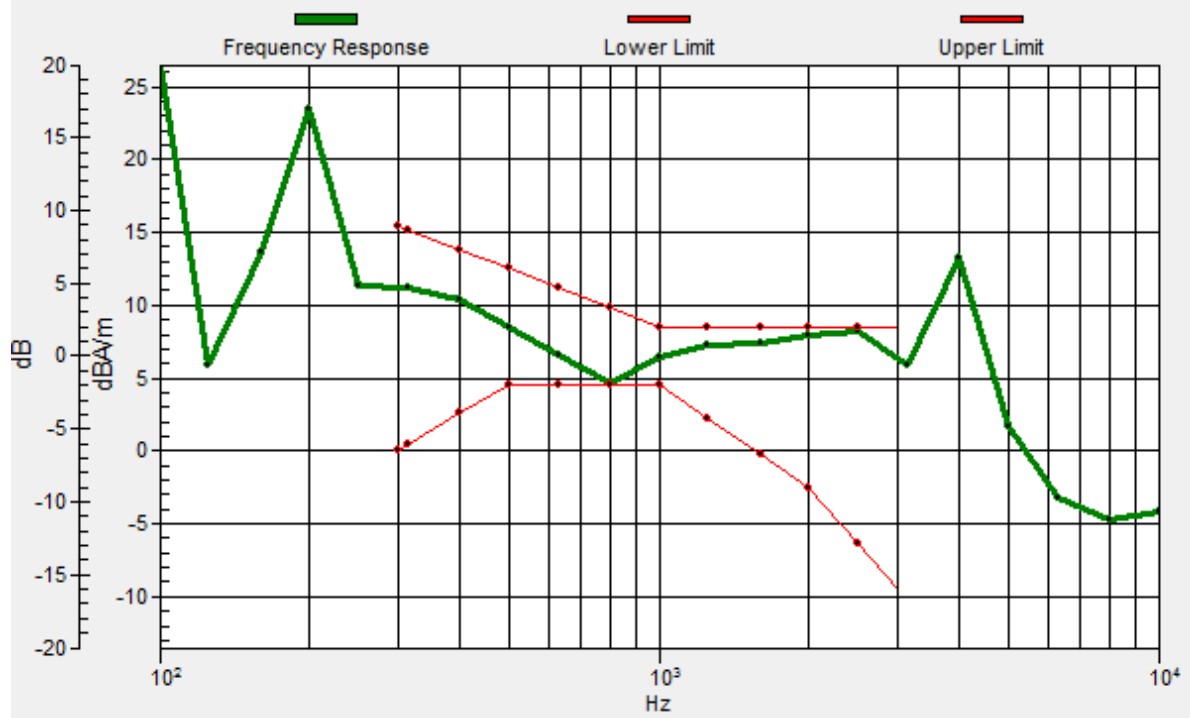
Location: -0.2, 1.6, 3.7 mm



0 dB = 302.8 = 49.62 dB

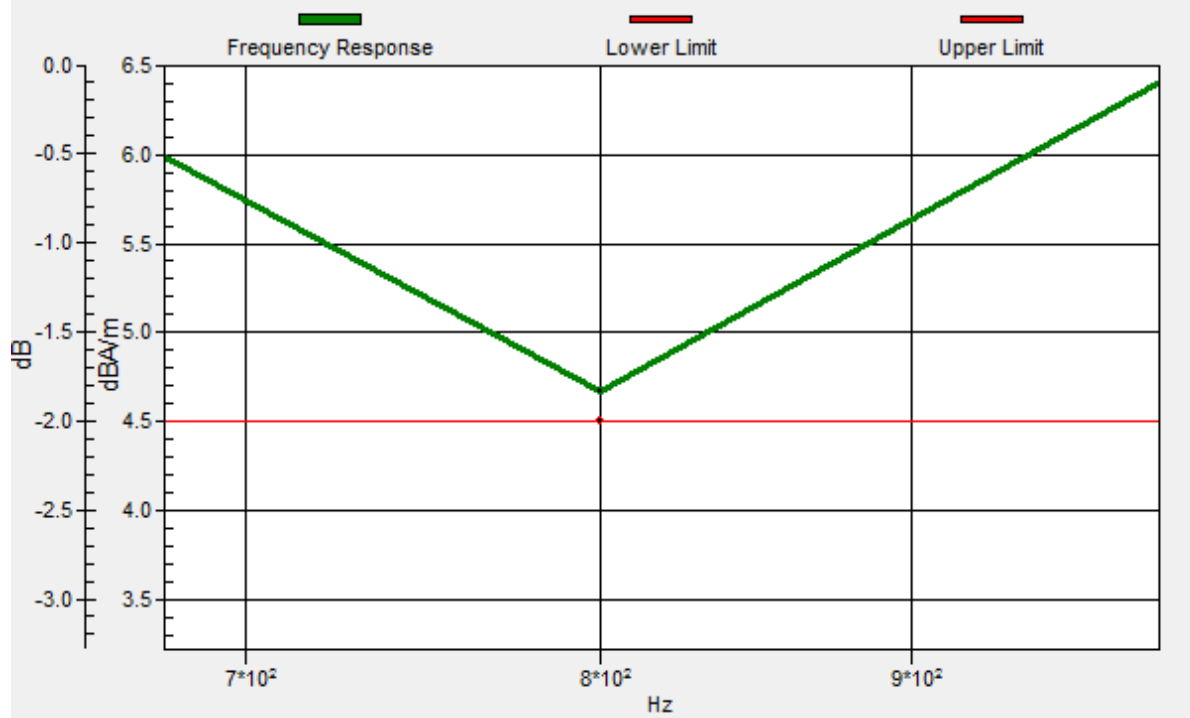
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -0.1, 1.8, 3.7 mm Diff: 0.17dB



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

Loc: -0.1, 1.8, 3.7 mm Diff: 0.17dB



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

Ambient Temperature : 23.5 °C

### 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)

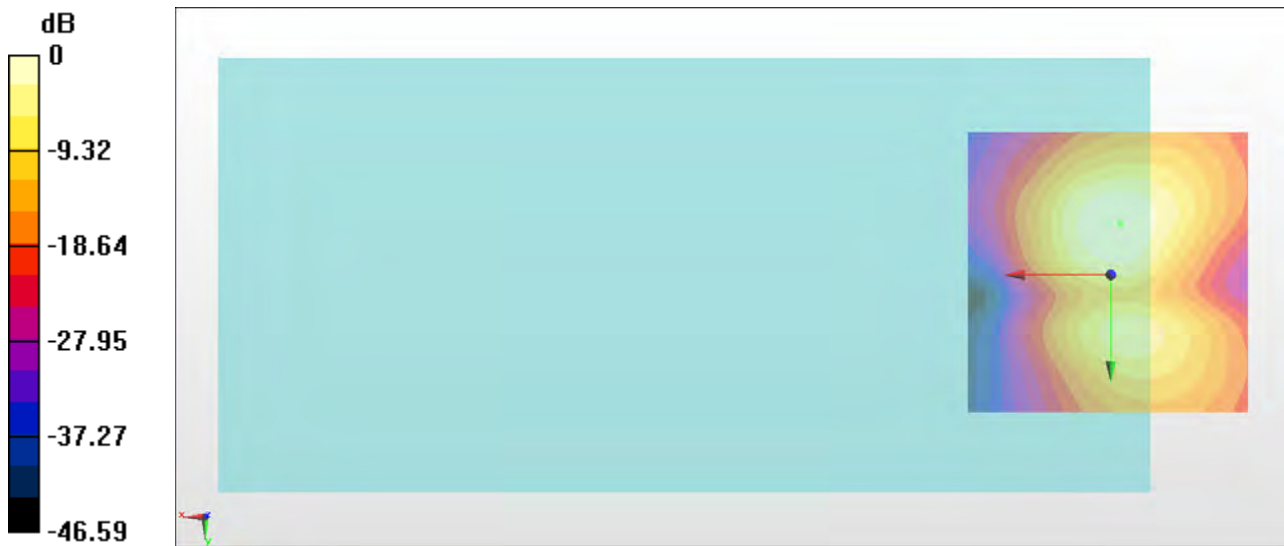
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 47.29 dB

ABM1 comp = 2.03 dBA/m

Location: -1.6, -8.9, 3.7 mm



0 dB = 231.4 = 47.29 dB

## #26\_HAC\_T-Coil\_LTE Band 2\_20M\_QPSK\_1RB\_0offset\_Ch18900\_Axial (Z)

Communication System: LTE ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

### 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)

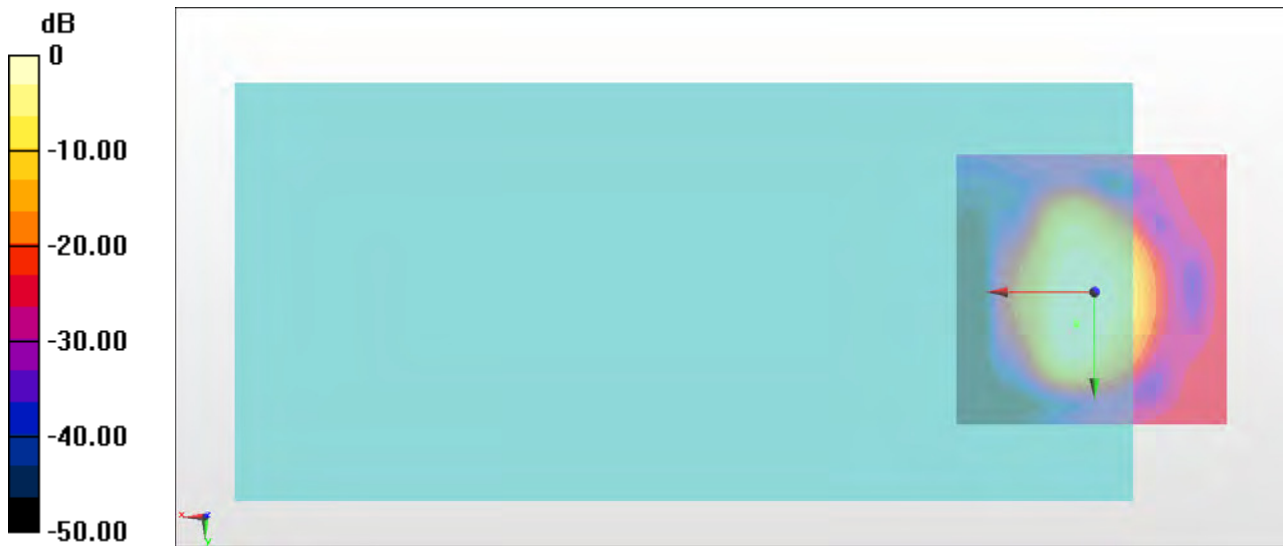
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 50.38 dB

ABM1 comp = 12.41 dBA/m

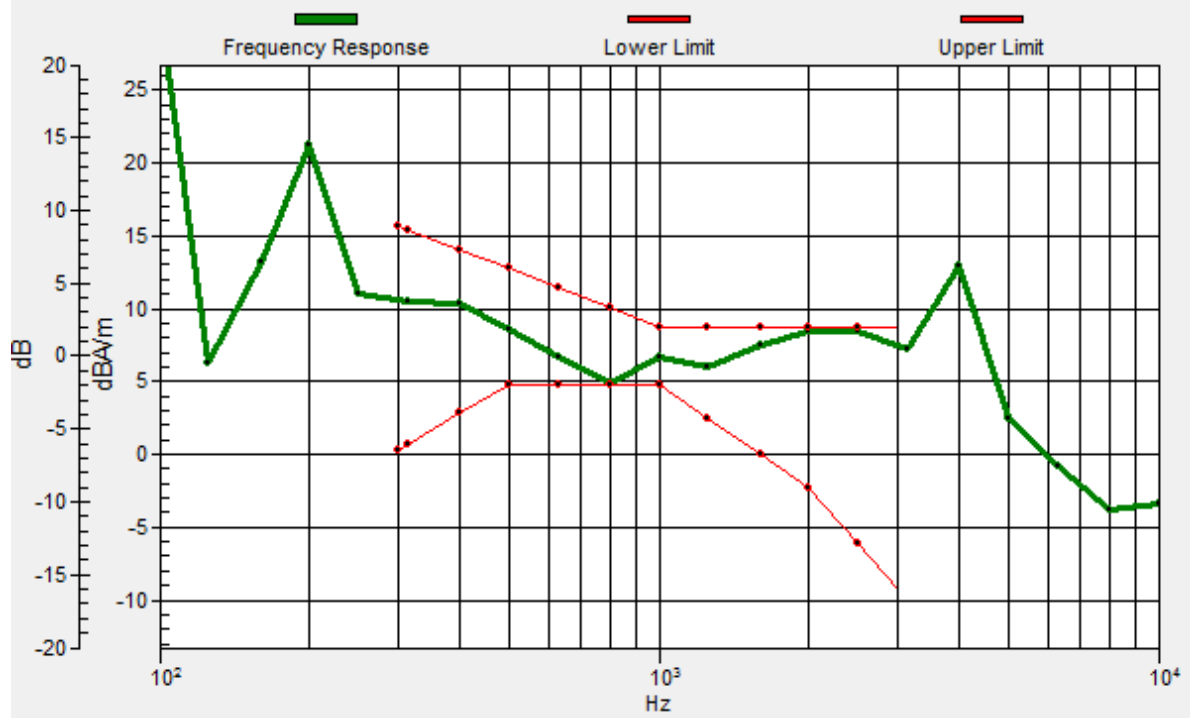
Location: 3.3, 5.8, 3.7 mm



0 dB = 330.3 = 50.38 dB

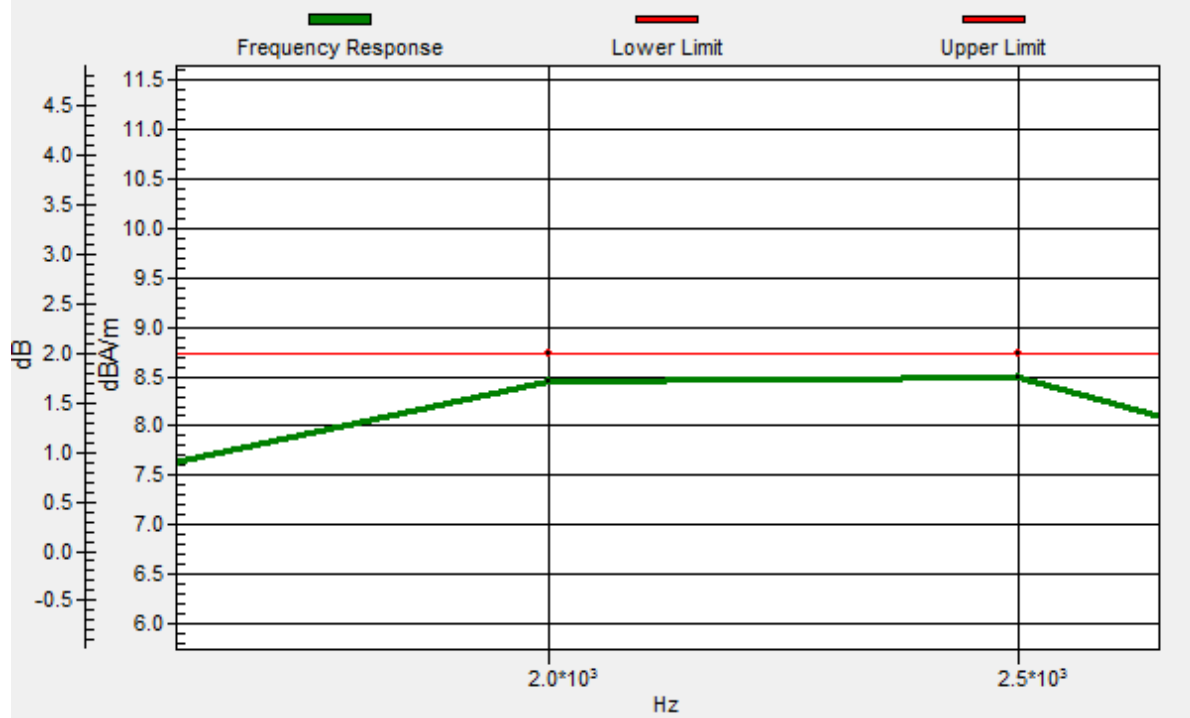
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.2, 5.7, 3.7 mm Diff: 0.17dB



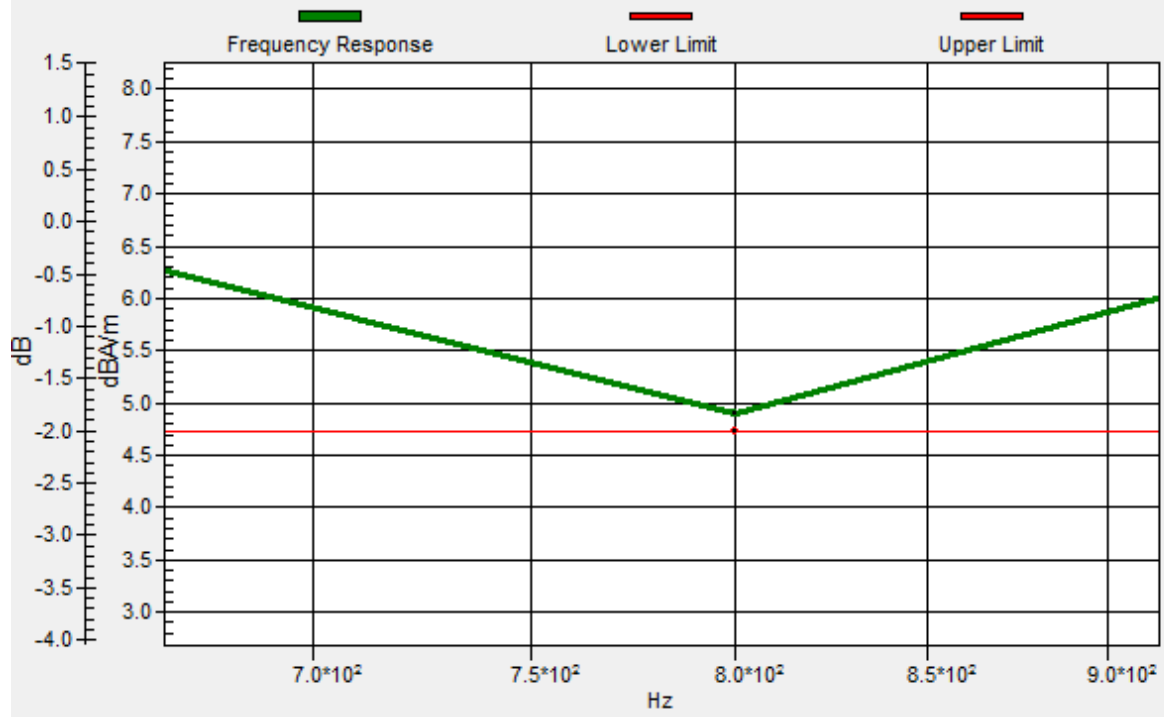
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.2, 5.7, 3.7 mm Diff: 0.17dB



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

Loc: 3.2, 5.7, 3.7 mm Diff: 0.17dB



## #26\_HAC\_T-Coil\_LTE Band 2\_20M\_QPSK\_1RB\_0offset\_Ch18900\_Transversal (Y)

Communication System: LTE ; Frequency: 1880 MHz

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

Ambient Temperature : 23.5 °C

### 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)

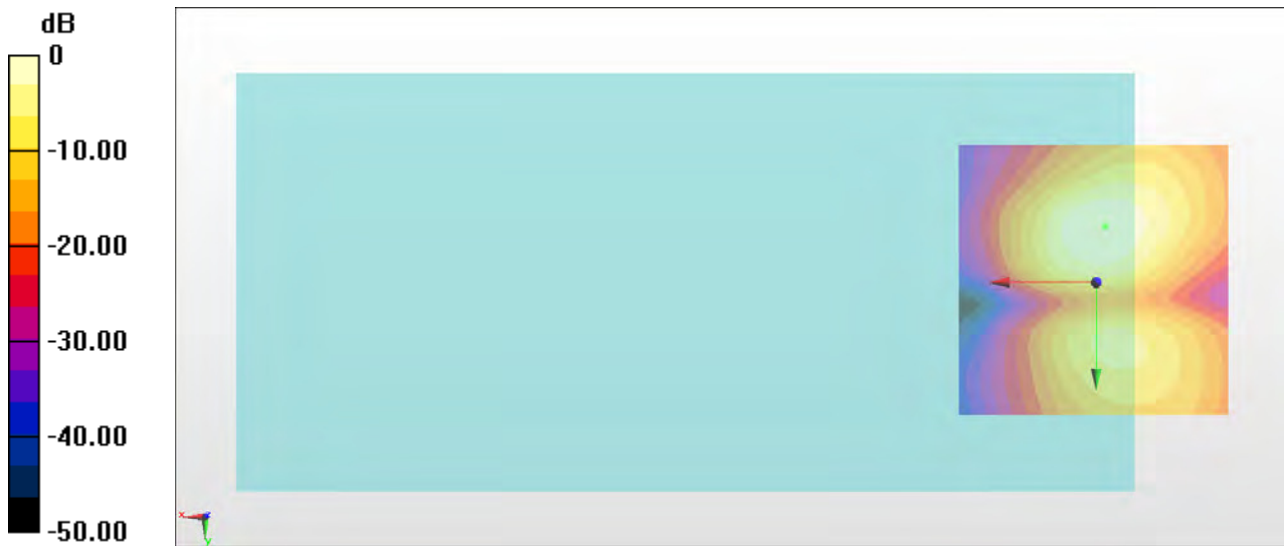
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 47.03 dB

ABM1 comp = 2.91 dBA/m

Location: -1.6, -10.3, 3.7 mm



### #27\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_0offset\_Ch40620\_Axial (Z)

Communication System: LTE TDD ; Frequency: 2593 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

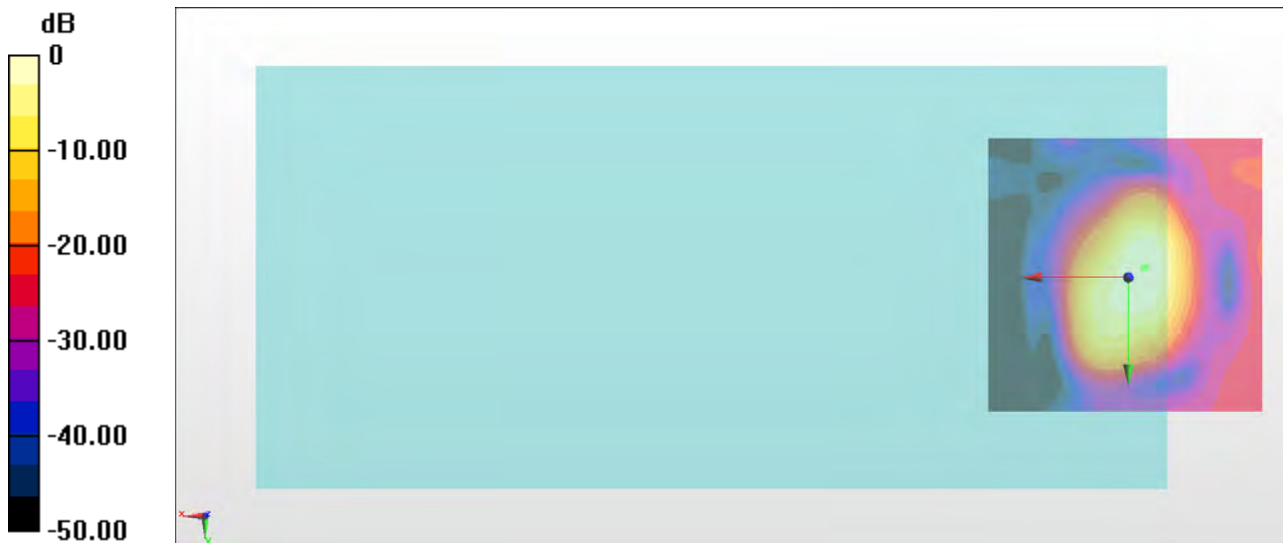
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 46.19 dB

ABM1 comp = 7.41 dBA/m

Location: -3, -1.9, 3.7 mm

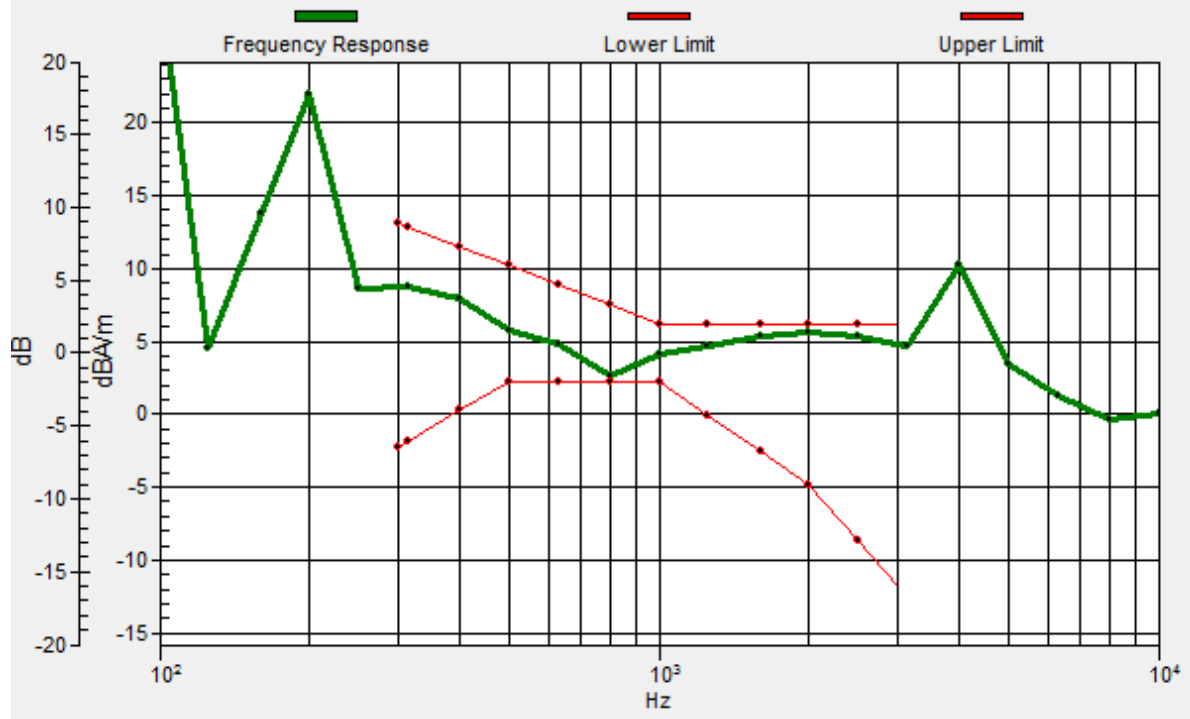


0 dB = 204.0 = 46.19 dB



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

Loc: -2.7, -1.8, 3.7 mm Diff: 0.48dB



### #27\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_0offset\_Ch40620\_Transversal (Y)

Communication System: LTE TDD ; Frequency: 2593 MHz

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

Ambient Temperature : 23.5 °C

#### 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)

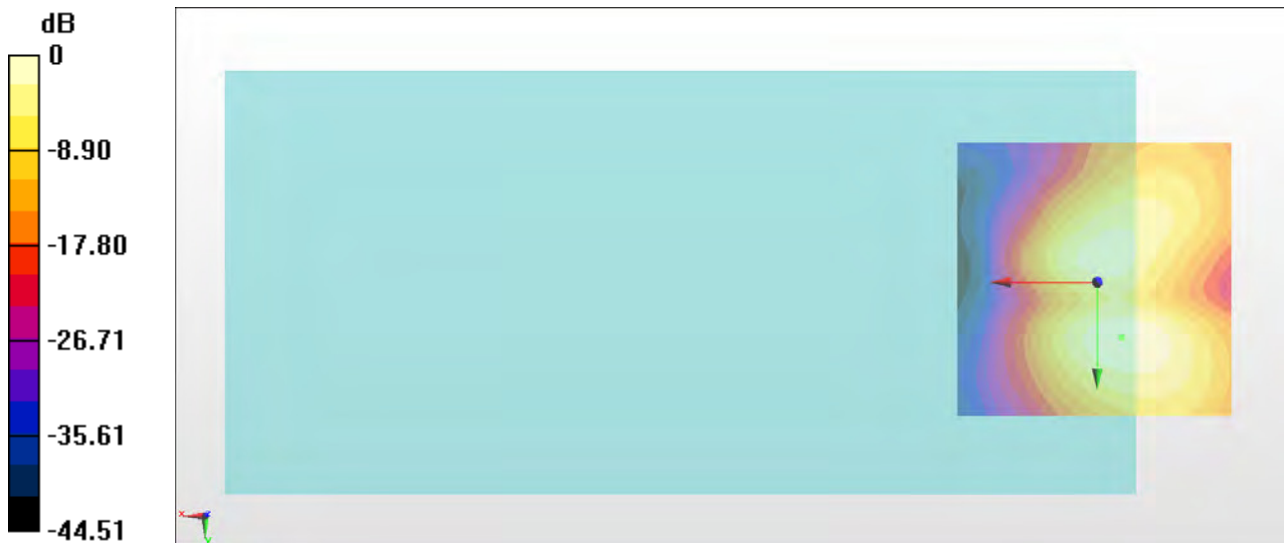
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 40.39 dB

ABM1 comp = 1.01 dBA/m

Location: -4.4, 10, 3.7 mm



0 dB = 104.6 = 40.39 dB

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

Ambient Temperature : 23.5 °C

### 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)

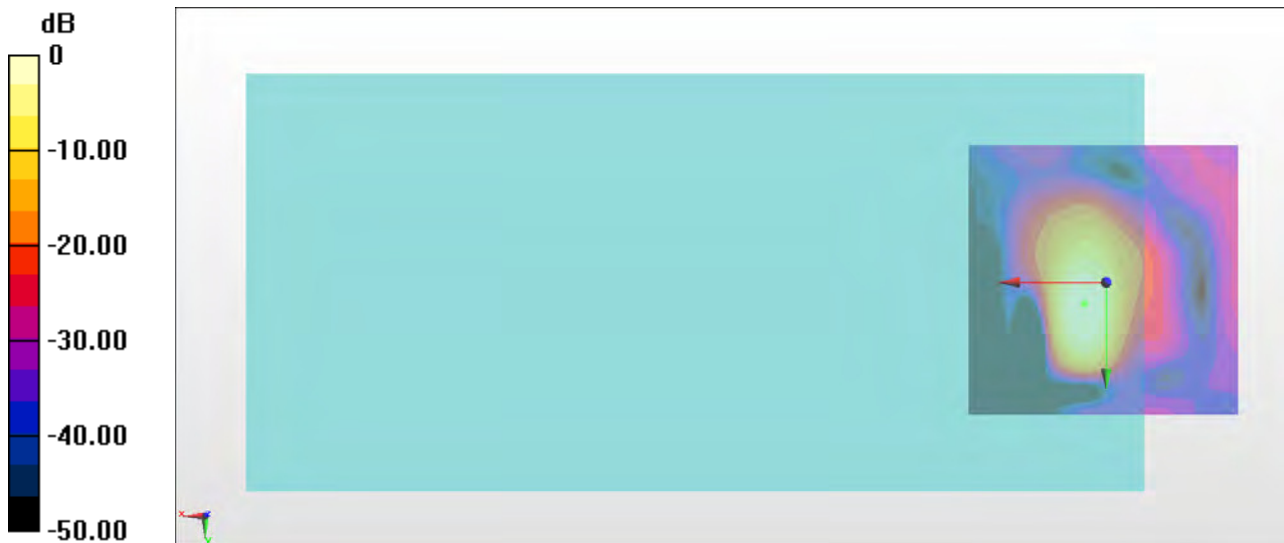
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 48.22 dB

ABM1 comp = 11.74 dBA/m

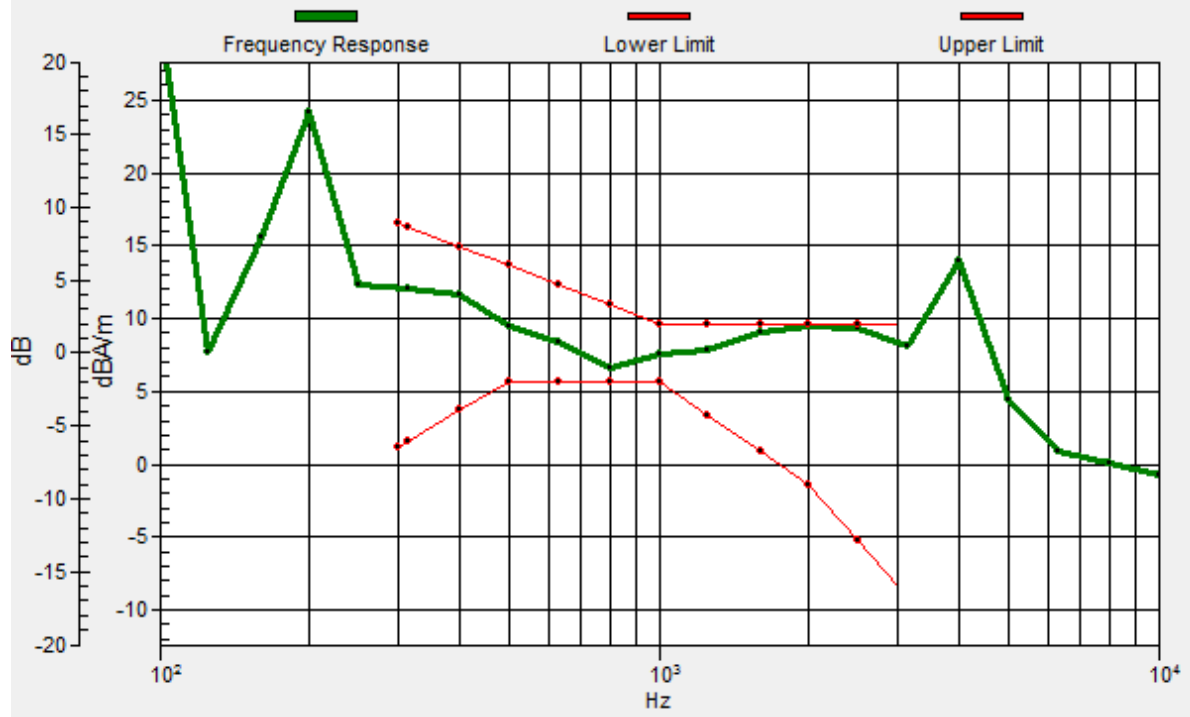
Location: 4, 3.7, 3.7 mm



0 dB = 257.6 = 48.22 dB

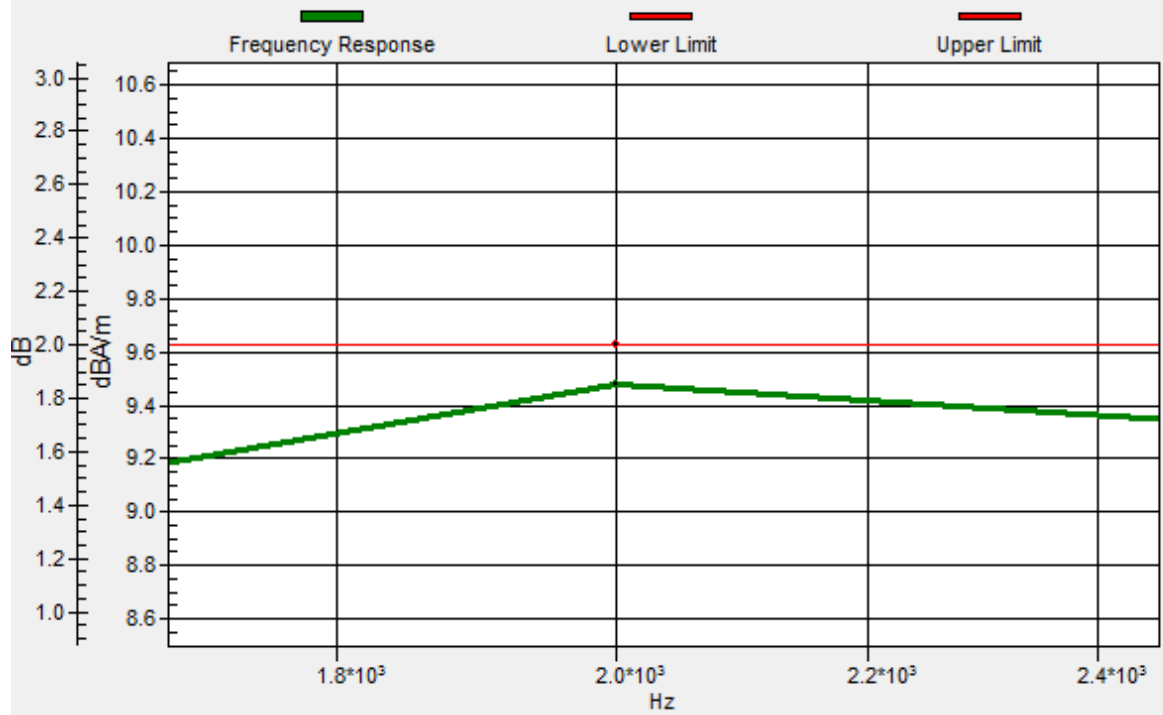
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.9, 3.9, 3.7 mm Diff: 0.15dB



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

Loc: 3.9, 3.9, 3.7 mm Diff: 0.15dB



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

Ambient Temperature : 23.5 °C

### 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)

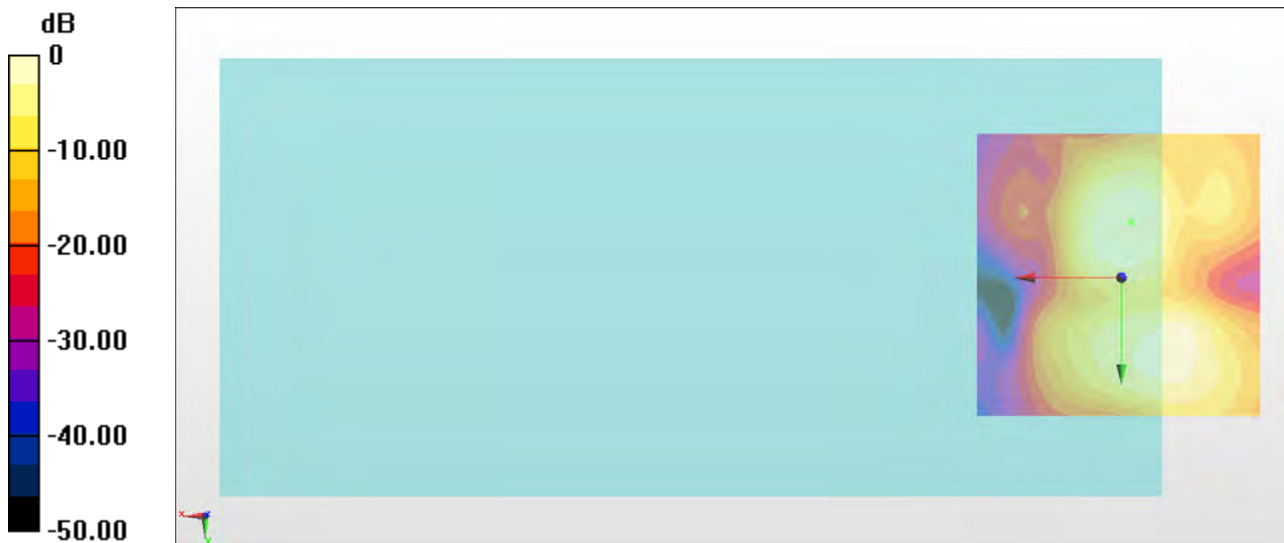
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 40.97 dB

ABM1 comp = 1.93 dBA/m

Location: -1.6, -9.6, 3.7 mm



## #29\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch40\_Axial (Z)

Communication System: 802.11a ; Frequency: 5200 MHz

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

Ambient Temperature : 23.5 °C

### 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)

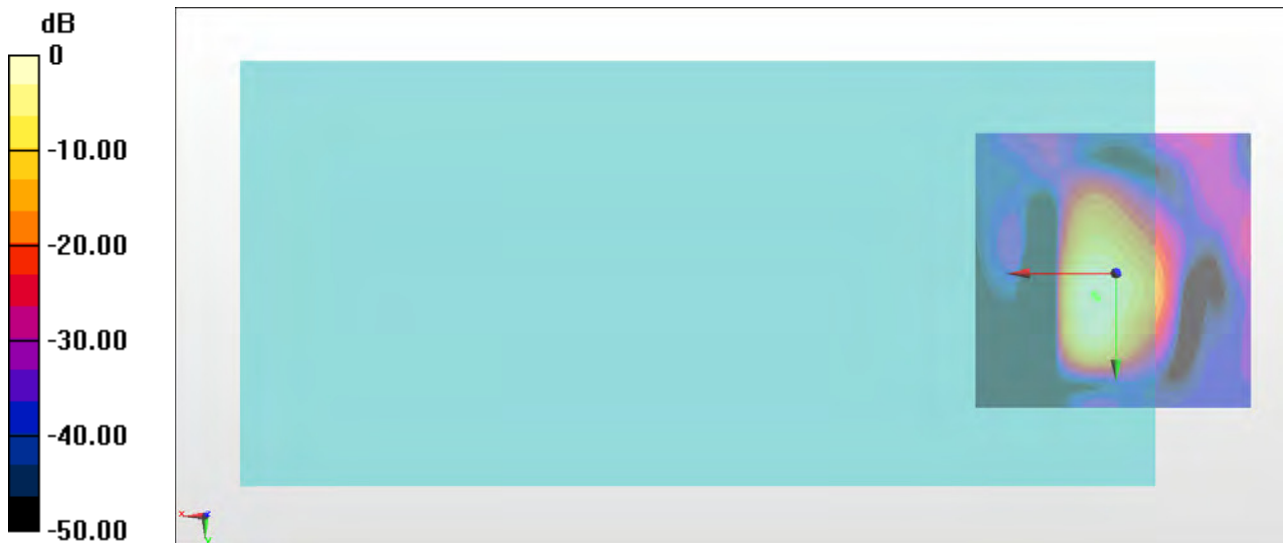
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 48.59 dB

ABM1 comp = 11.44 dBA/m

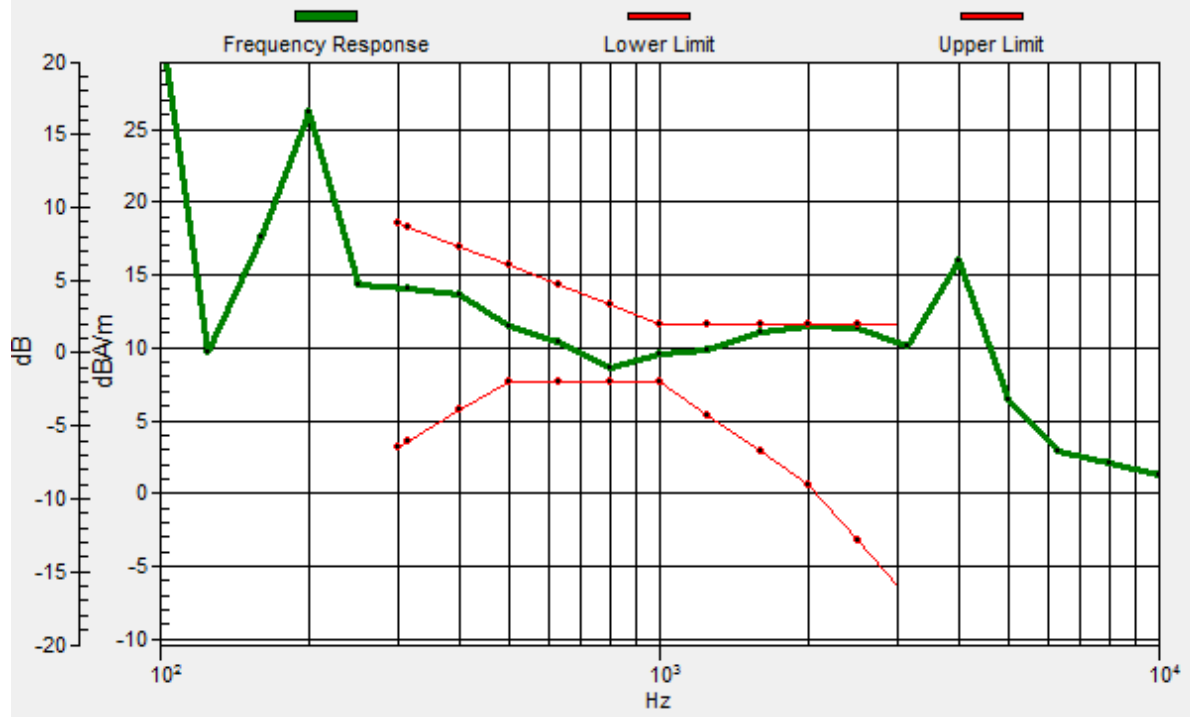
Location: 3.3, 4.4, 3.7 mm



0 dB = 268.9 = 48.59 dB

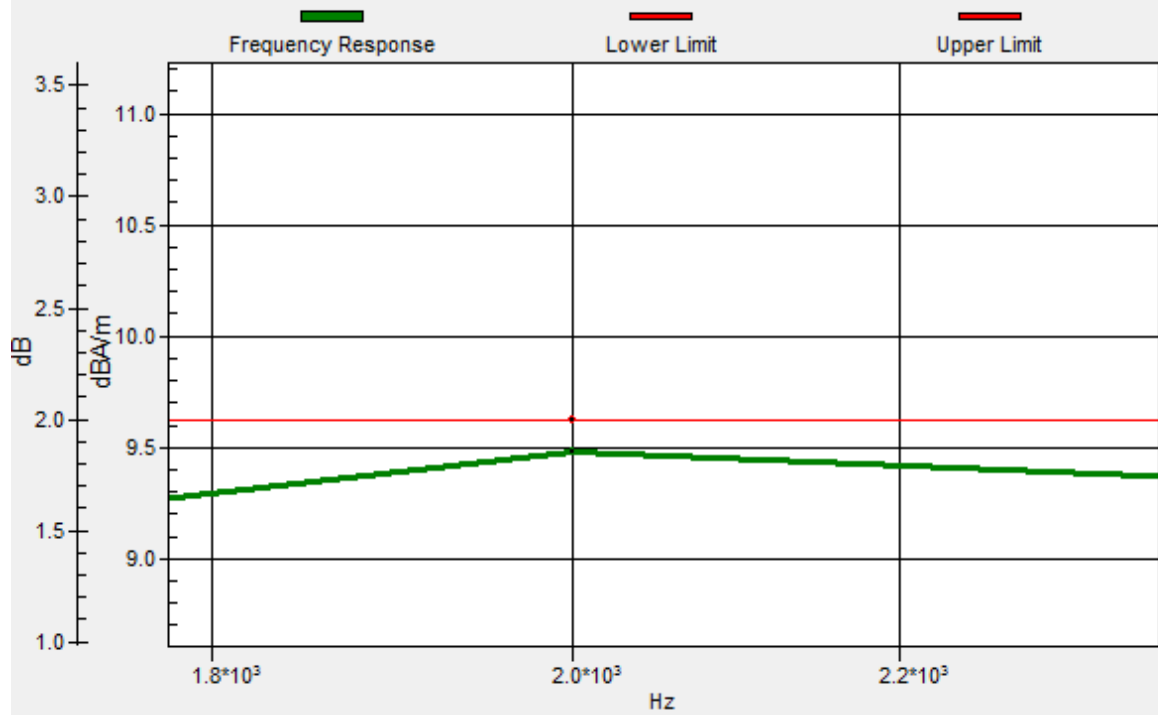
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.9, 3.9, 3.7 mm Diff: 0.15dB



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

Loc: 3.9, 3.9, 3.7 mm Diff: 0.15dB



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

Ambient Temperature : 23.5 °C

### 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)

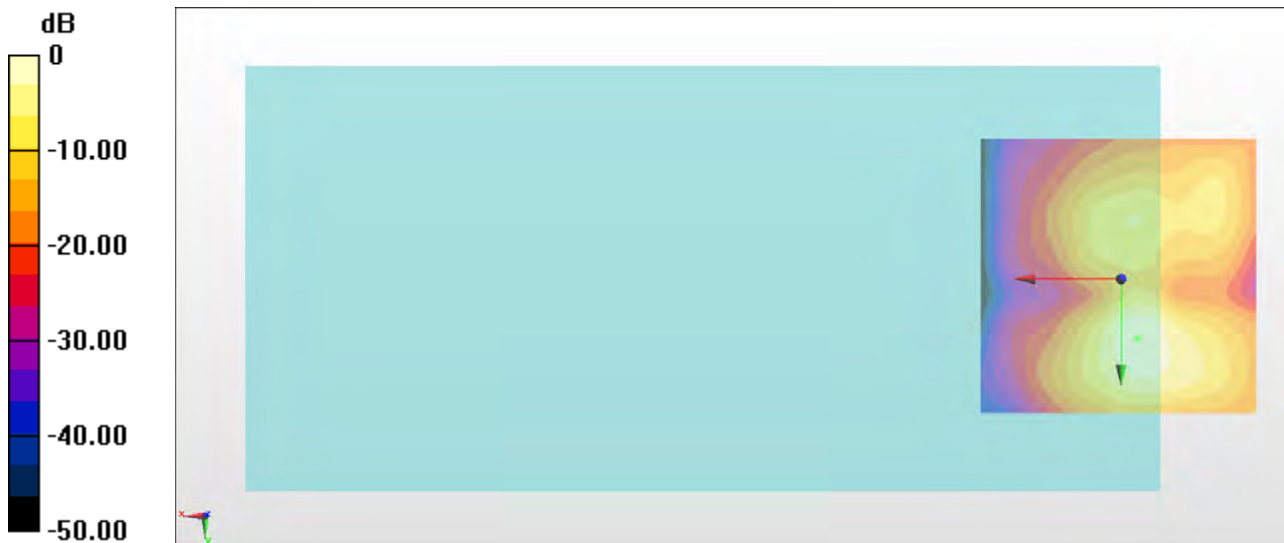
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 41.47 dB

ABM1 comp = 1.59 dBA/m

Location: -3, 10.7, 3.7 mm



0 dB = 118.4 = 41.47 dB