

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

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

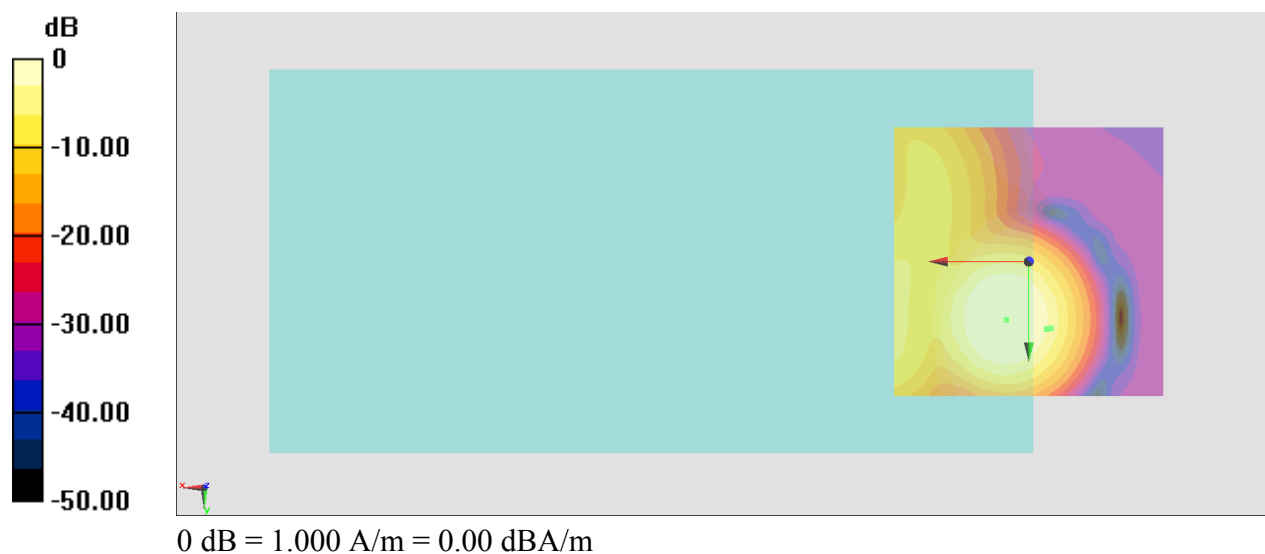
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.04 dB

ABM1 comp = -3.31 dBA/m

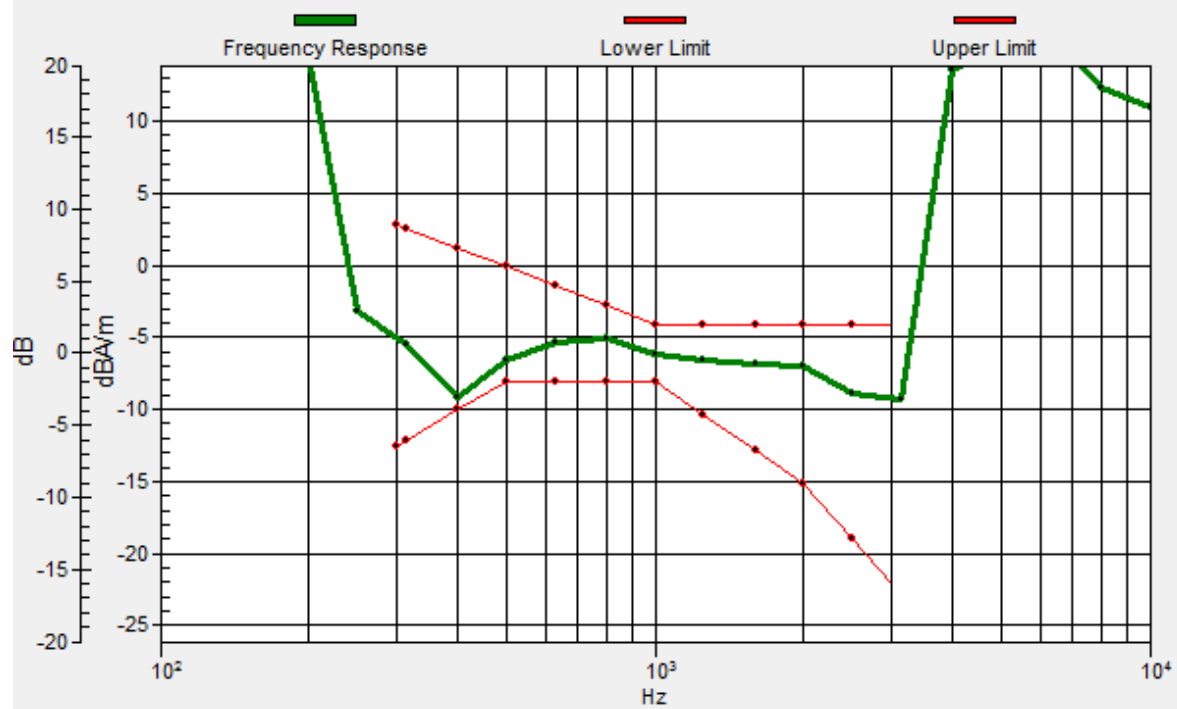
BWC Factor = 0.16 dB

Location: -3.3, 12.5, 3.7 mm



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

Loc: -4.2, 12.5, 3.7 mm Diff: 0.91dB



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

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)

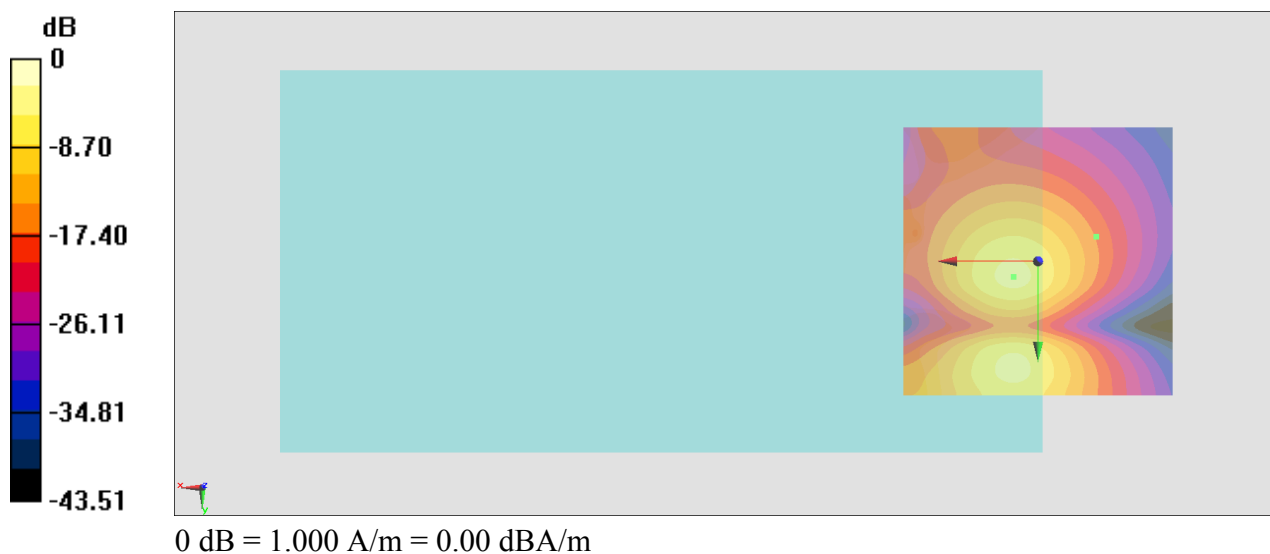
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.70 dB

ABM1 comp = -17.55 dBA/m

BWC Factor = 0.16 dB

Location: -10.8, -4.6, 3.7 mm



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

Communication System: PCS ; Frequency: 1880 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

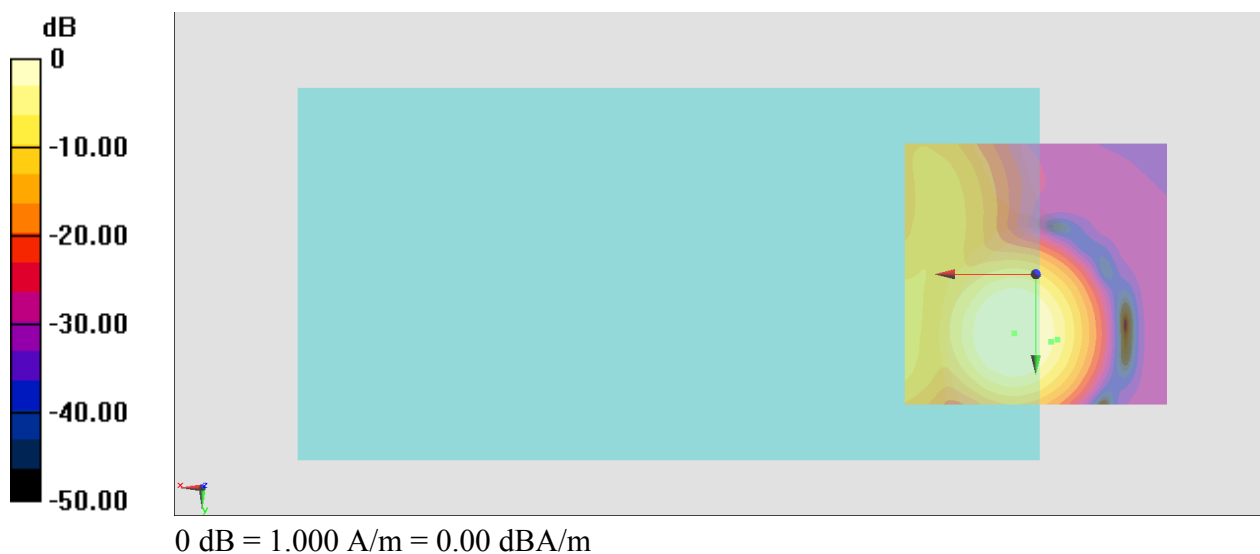
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.96 dB

ABM1 comp = -2.50 dBA/m

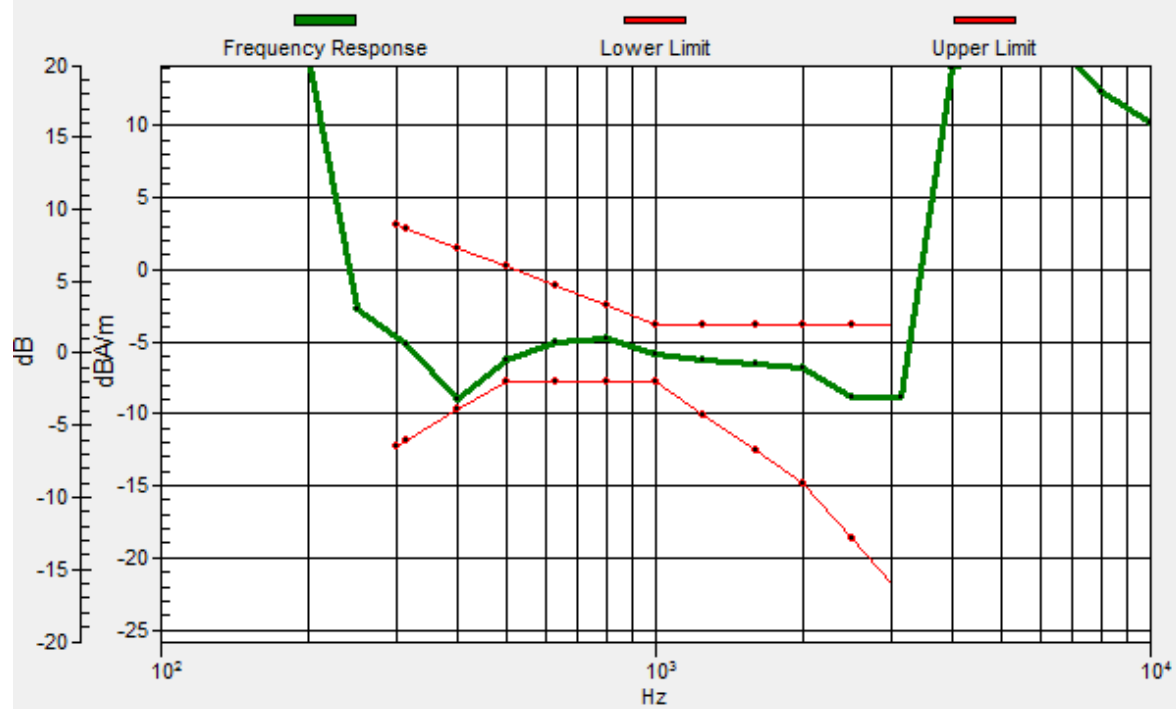
BWC Factor = 0.16 dB

Location: -2.9, 12.9, 3.7 mm



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

Loc: -4.2, 12.5, 3.7 mm Diff: 0.76dB



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

Communication System: PCS ; Frequency: 1880 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

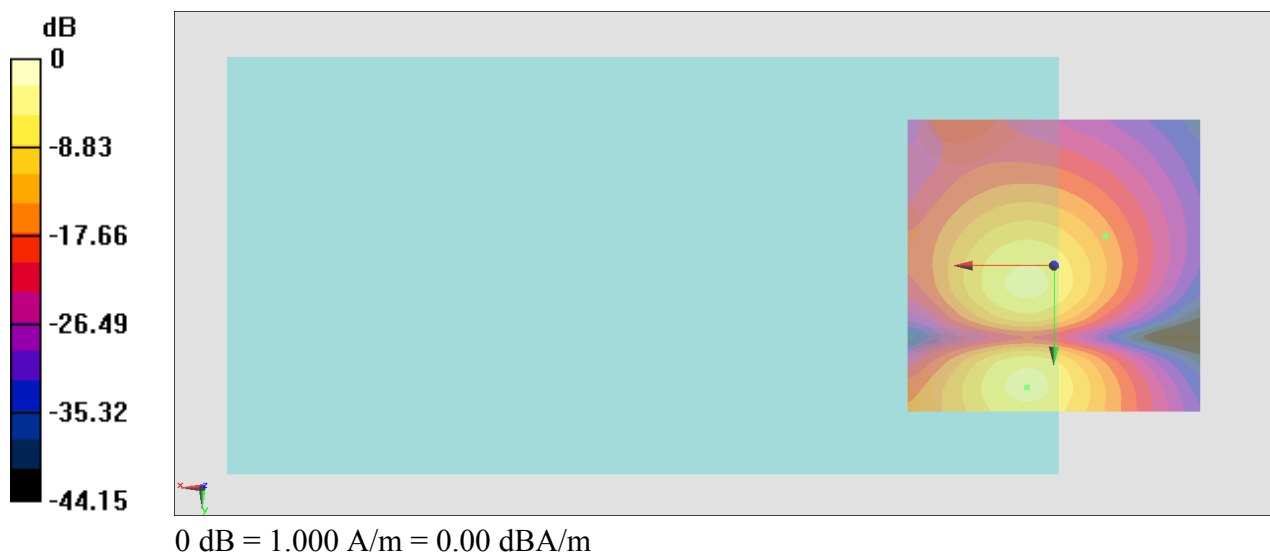
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 30.76 dB

ABM1 comp = -16.03 dBA/m

BWC Factor = 0.16 dB

Location: -8.7, -5, 3.7 mm



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

Communication System: WCDMA ; 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 : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

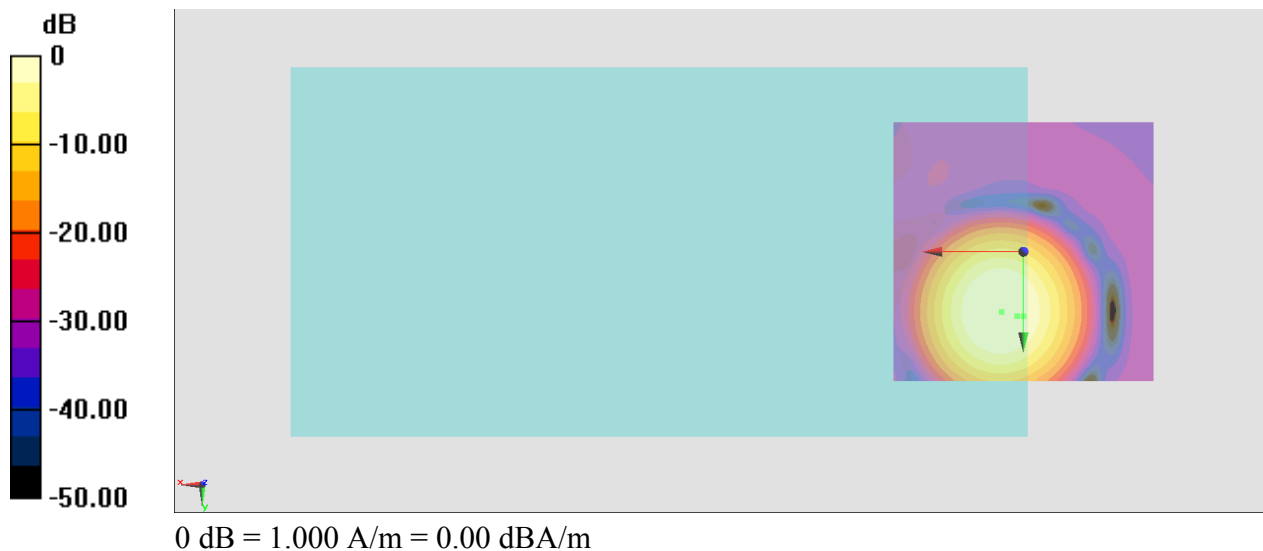
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.11 dB

ABM1 comp = 1.52 dBA/m

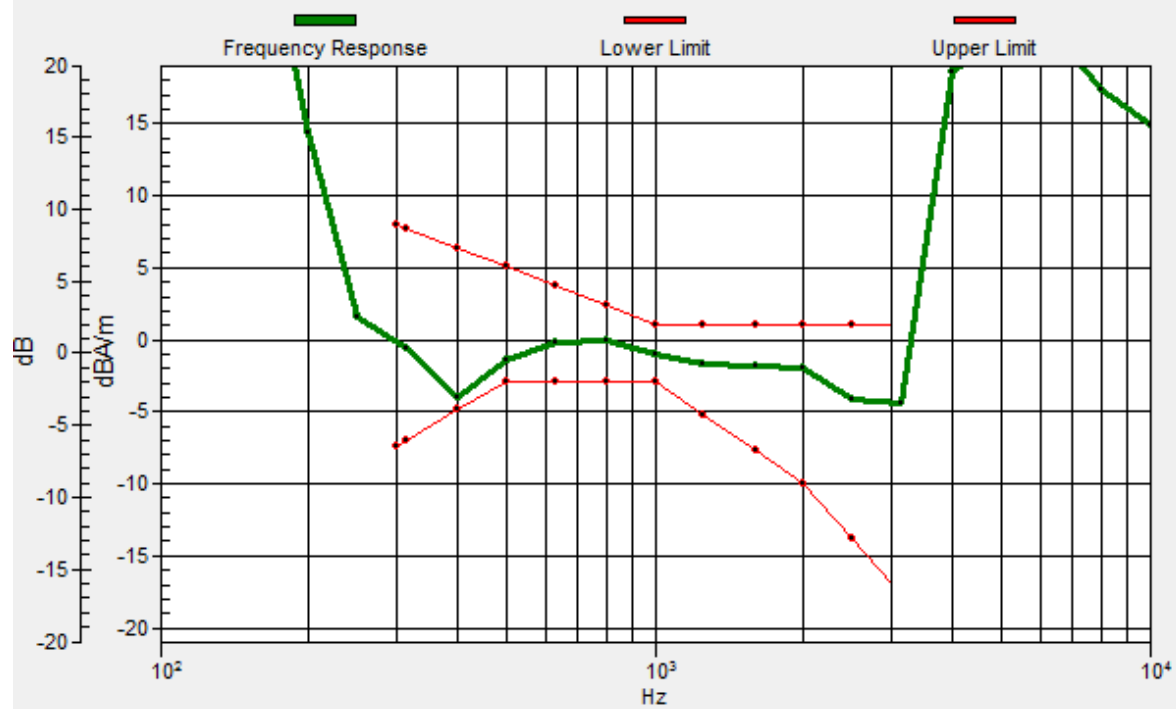
BWC Factor = 0.16 dB

Location: 1.3, 12.5, 3.7 mm



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

Loc: 0, 12.5, 3.7 mm Diff: 0.82dB



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

Communication System: WCDMA ; 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

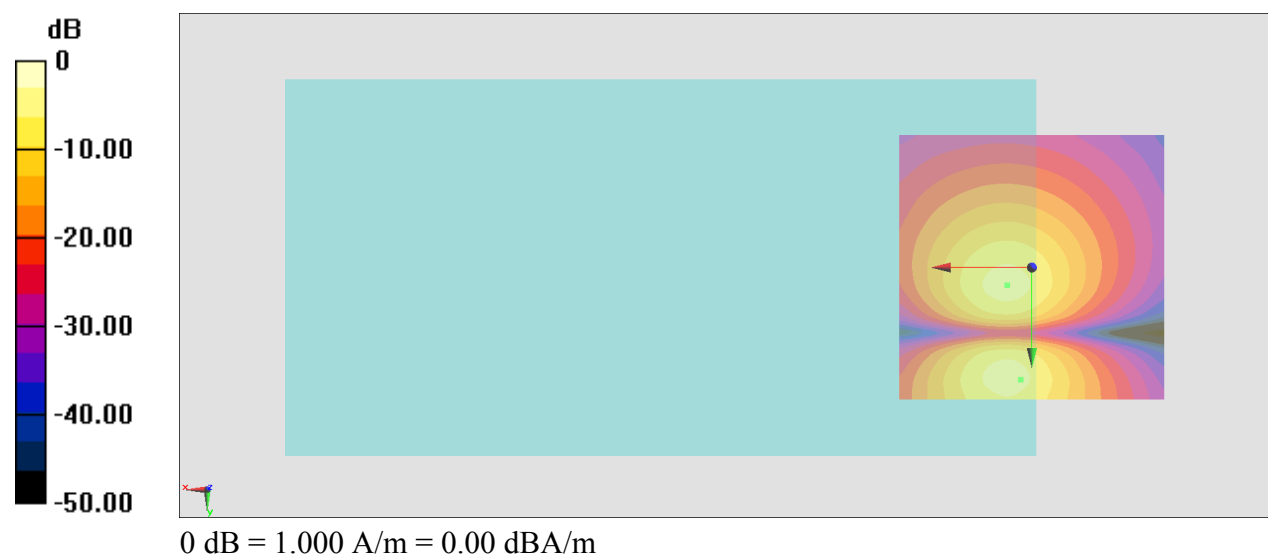
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.87 dB

ABM1 comp = -5.81 dBA/m

BWC Factor = 0.16 dB

Location: 2.1, 21.2, 3.7 mm



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

Communication System: WCDMA ; Frequency: 1732.6 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

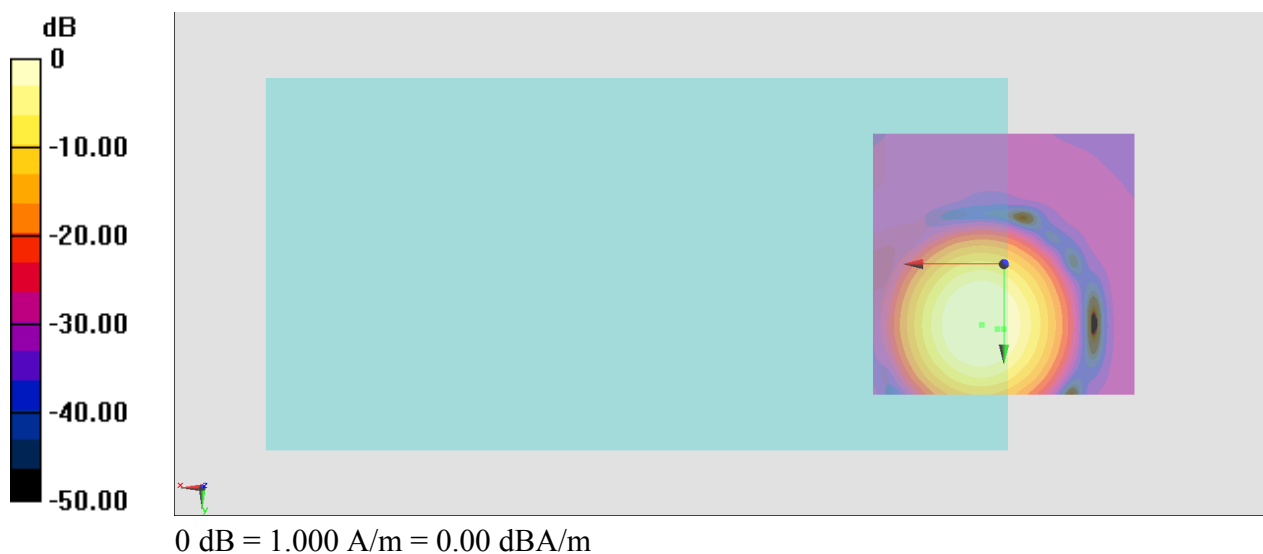
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 46.63 dB

ABM1 comp = 1.47 dBA/m

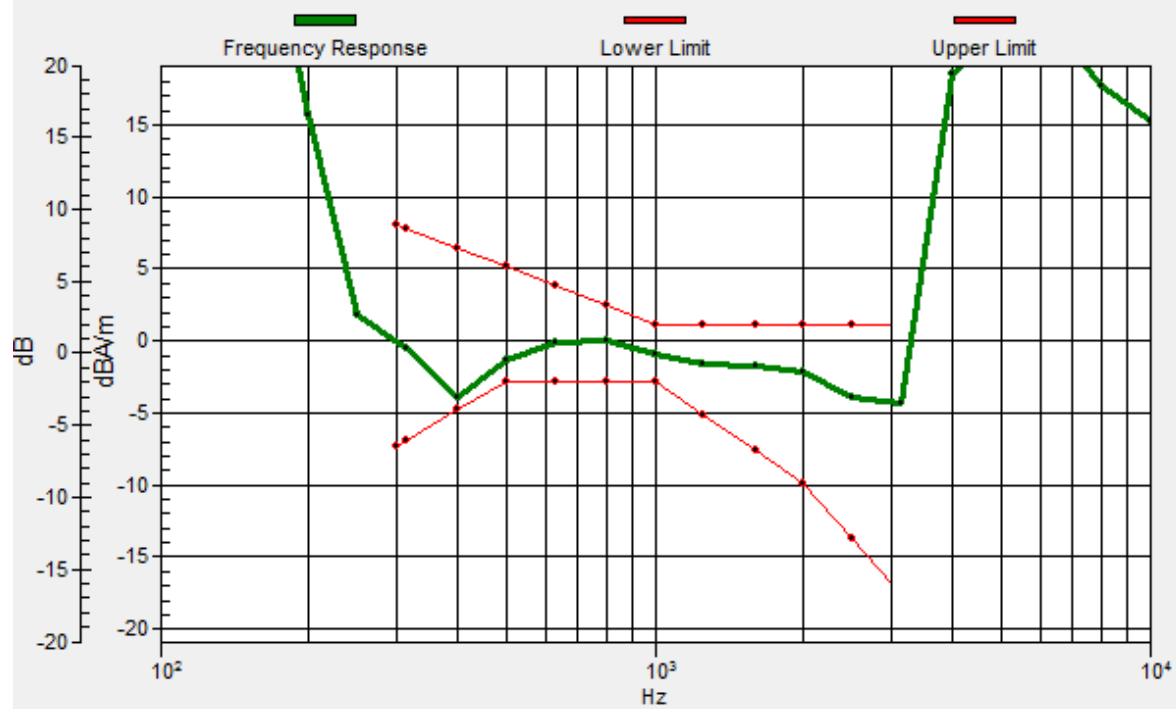
BWC Factor = 0.16 dB

Location: 1.3, 12.5, 3.7 mm



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

Loc: 0, 12.5, 3.7 mm Diff: 0.82dB



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

Communication System: WCDMA ; Frequency: 1732.6 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

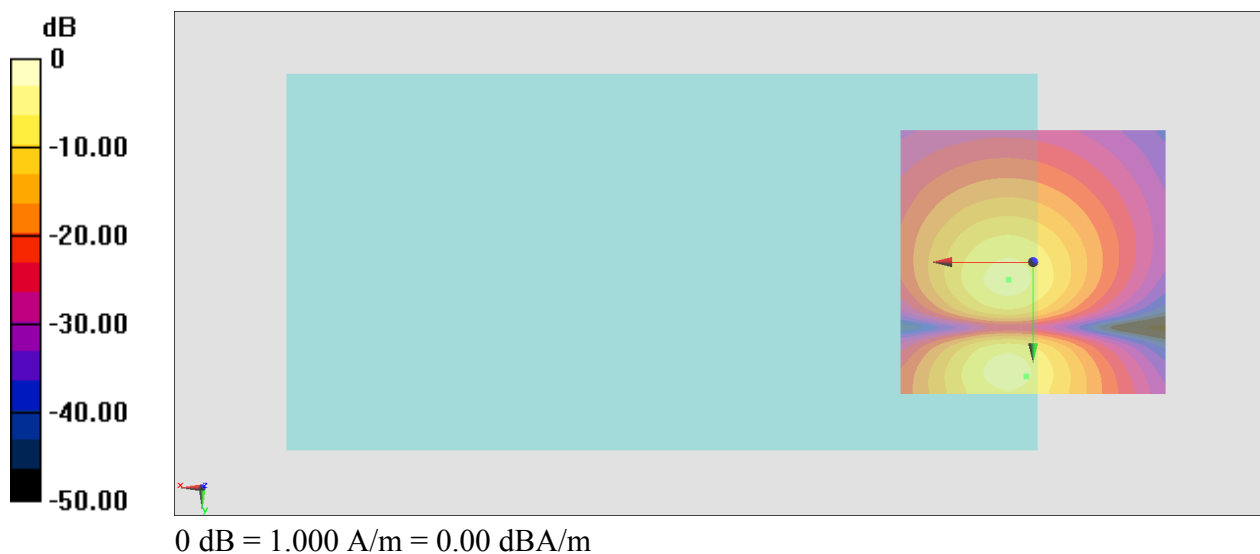
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.50 dB

ABM1 comp = -6.25 dBA/m

BWC Factor = 0.16 dB

Location: 1.3, 21.7, 3.7 mm



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

Communication System: WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

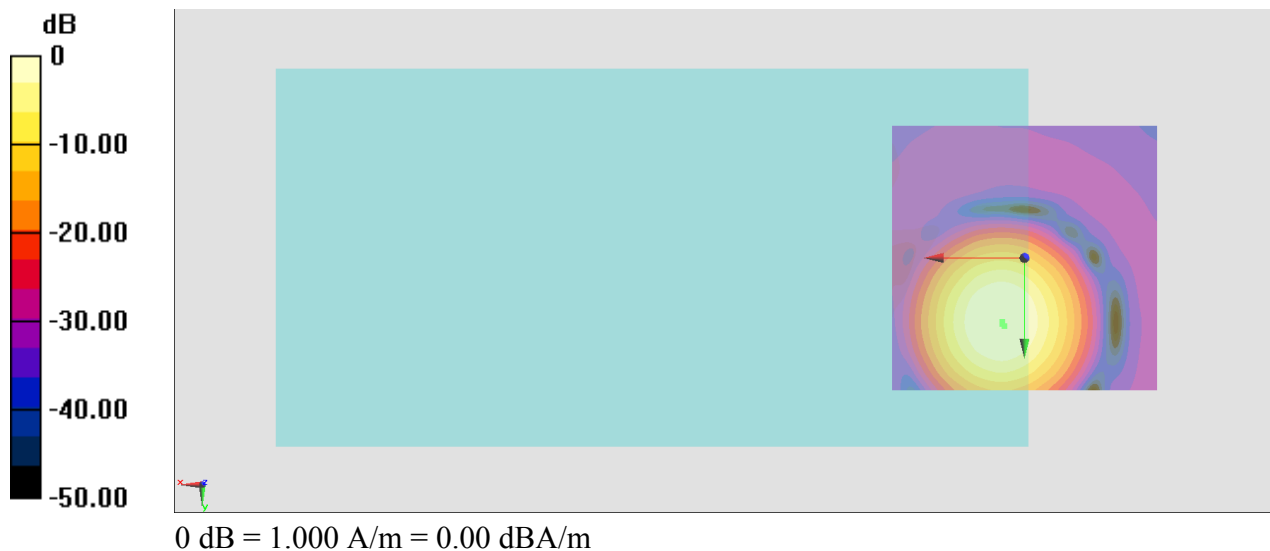
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.66 dB

ABM1 comp = 1.73 dBA/m

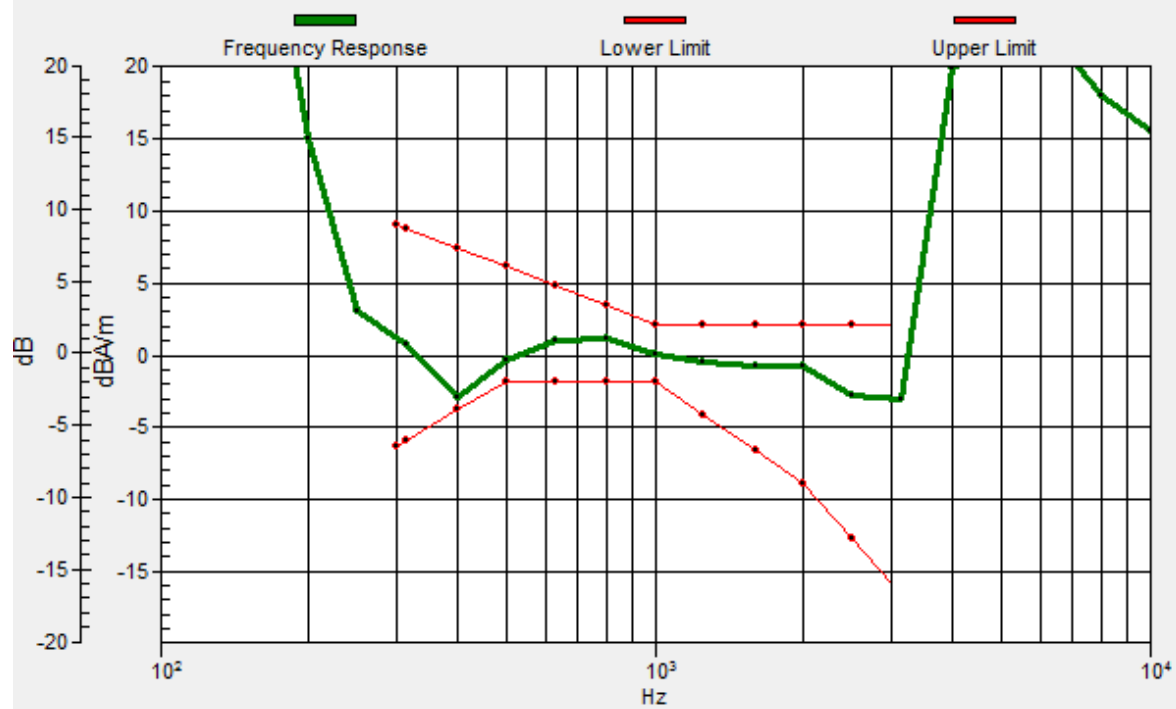
BWC Factor = 0.16 dB

Location: 3.8, 12.9, 3.7 mm



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

Loc: 4.2, 12.5, 3.7 mm Diff: 0.89dB



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

Communication System: WCDMA ; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

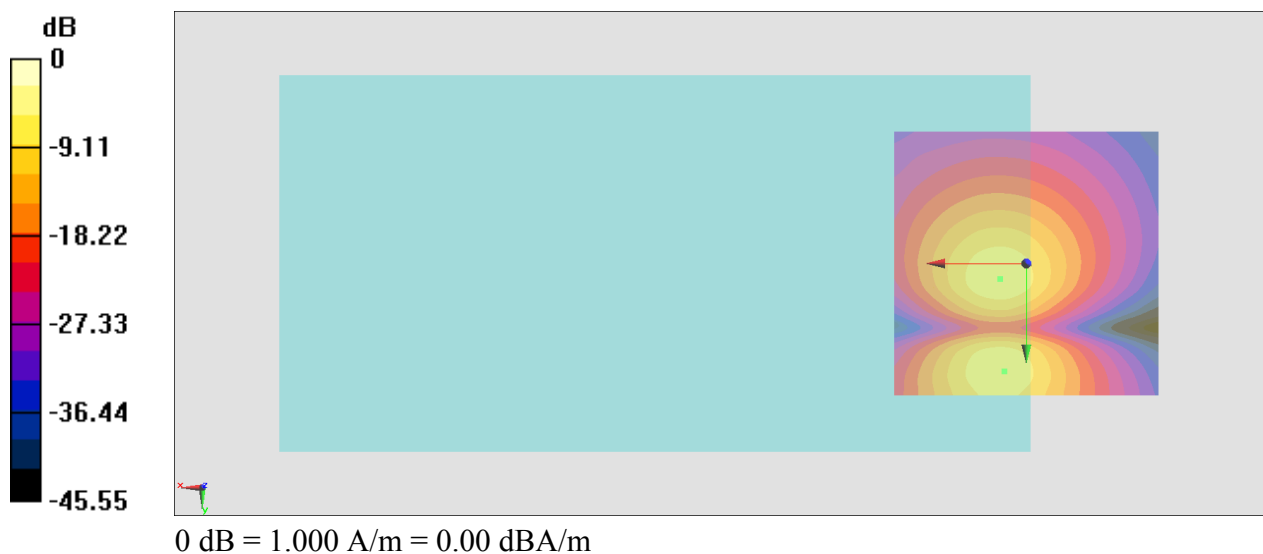
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.87 dB

ABM1 comp = -6.47 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 20.4, 3.7 mm



**#06\_HAC\_T-Coil\_CDMA BC0\_RC1+SO3 Voice codec8K Enhanced  
low\_Ch384\_Axial (Z)**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

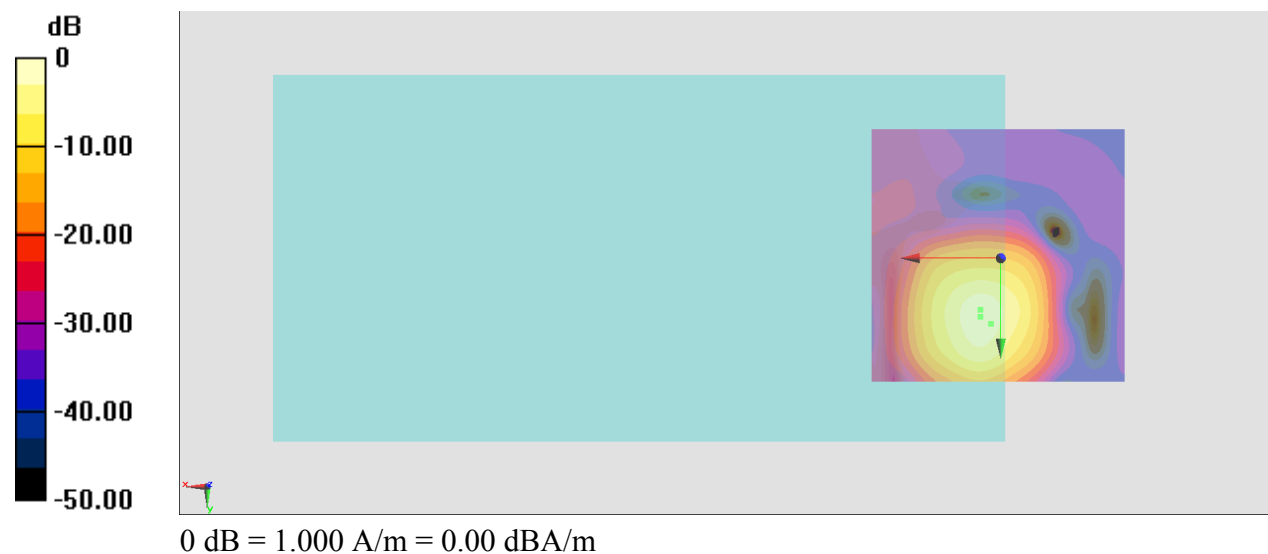
Interpolated grid: dx=1.000 mm, dy=1.000 mm

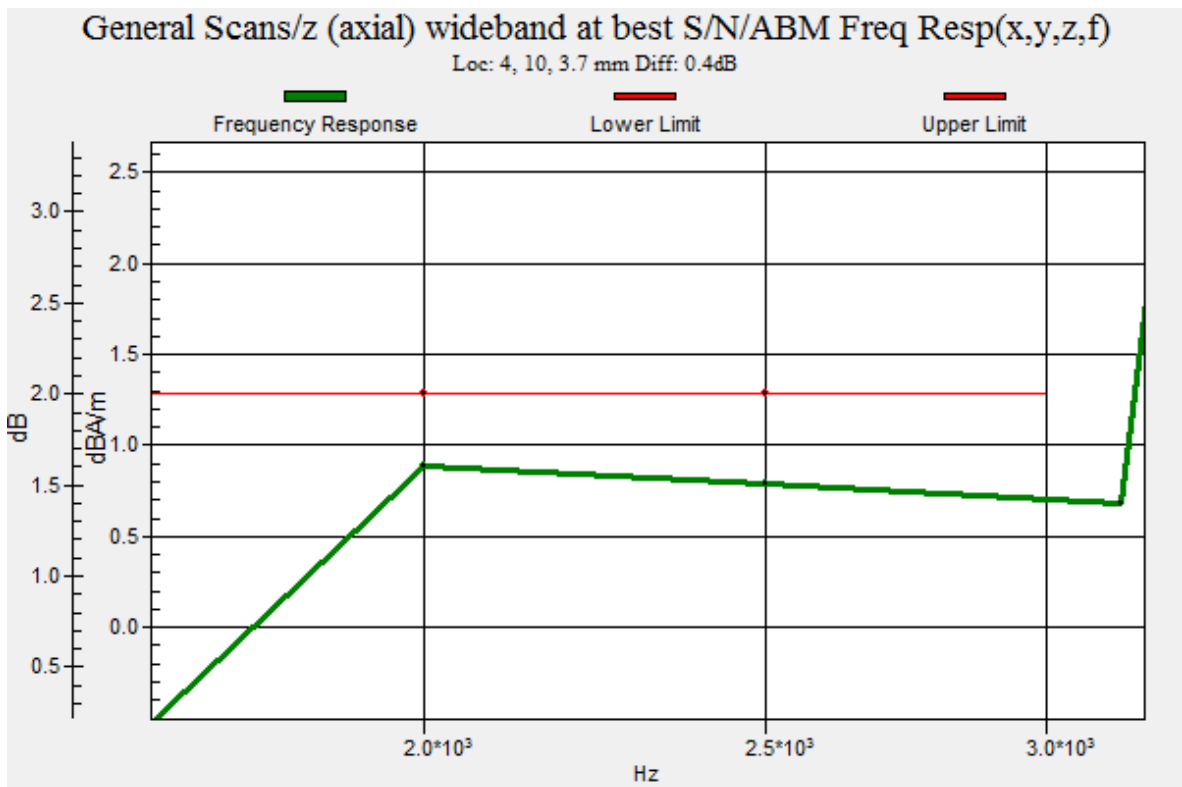
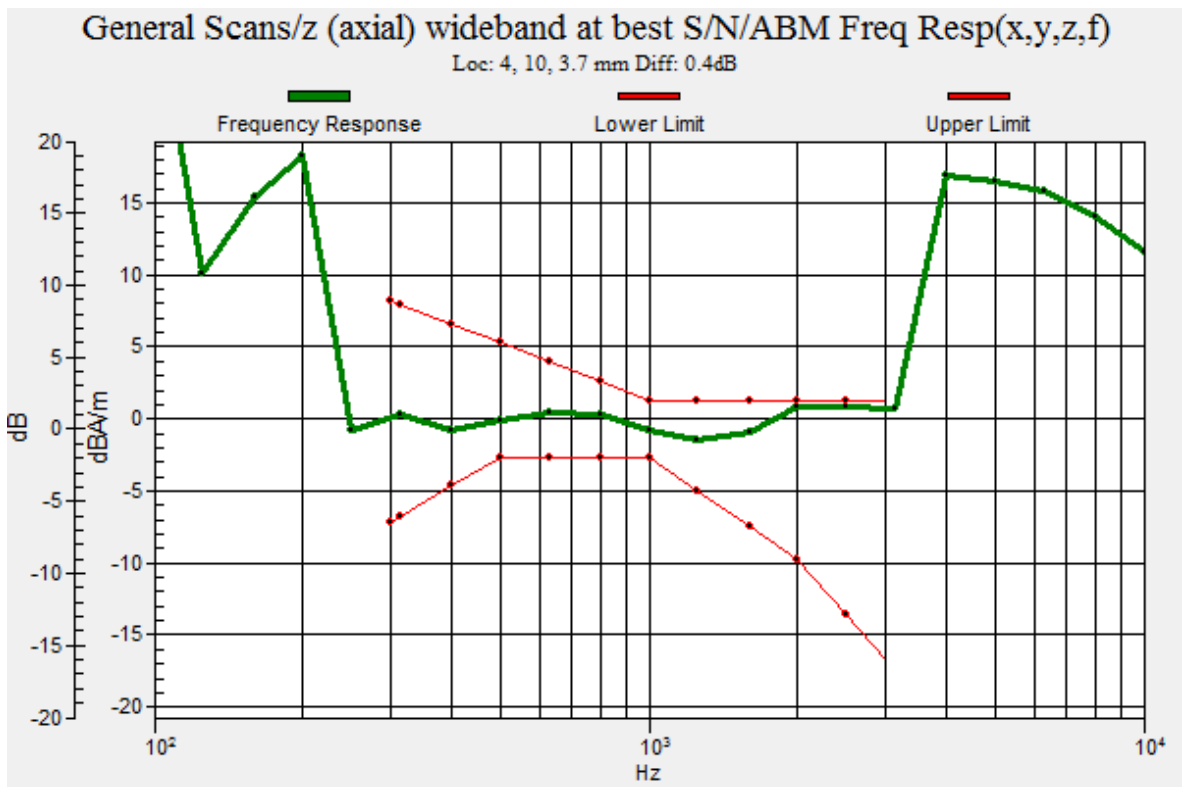
ABM1/ABM2 = 41.71 dB

ABM1 comp = -1.89 dBA/m

BWC Factor = 0.15 dB

Location: 1.9, 12.8, 3.7 mm





**#06\_HAC\_T-Coil\_CDMA BC0\_RC1+SO3 Voice codec8K Enhanced  
low\_Ch384\_Transversal (Y)**

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

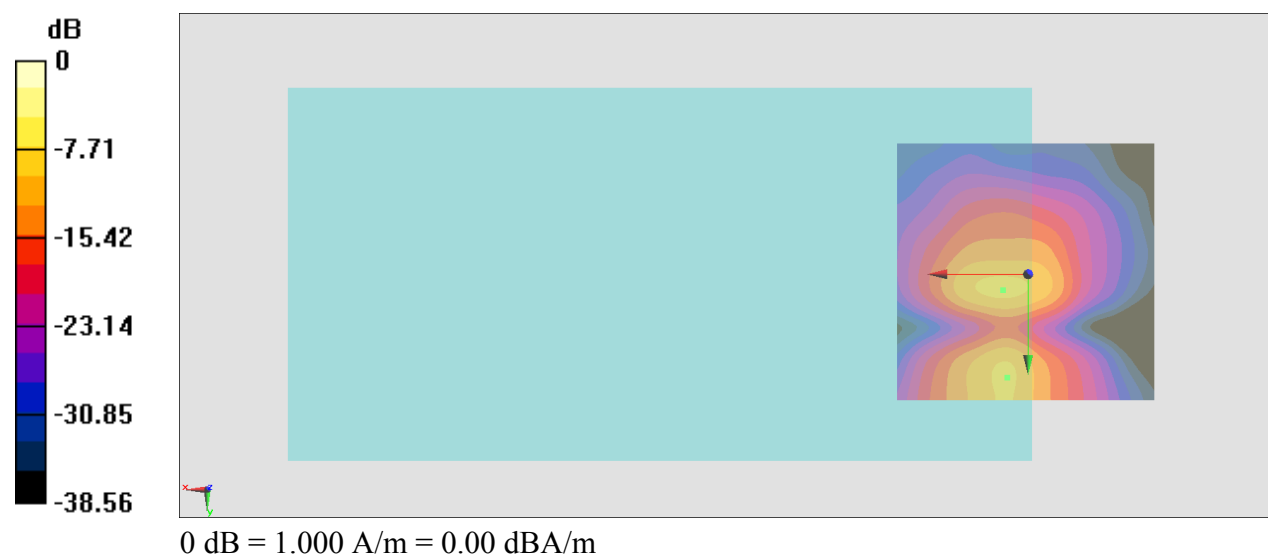
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.93 dB

ABM1 comp = -9.69 dBA/m

BWC Factor = 0.15 dB

Location: 4, 19.8, 3.7 mm



## #07\_HAC\_T-Coil\_CDMA BC1\_RC1+SO3 Voice codec8K Enhanced low\_Ch600\_Axial (Z)

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):

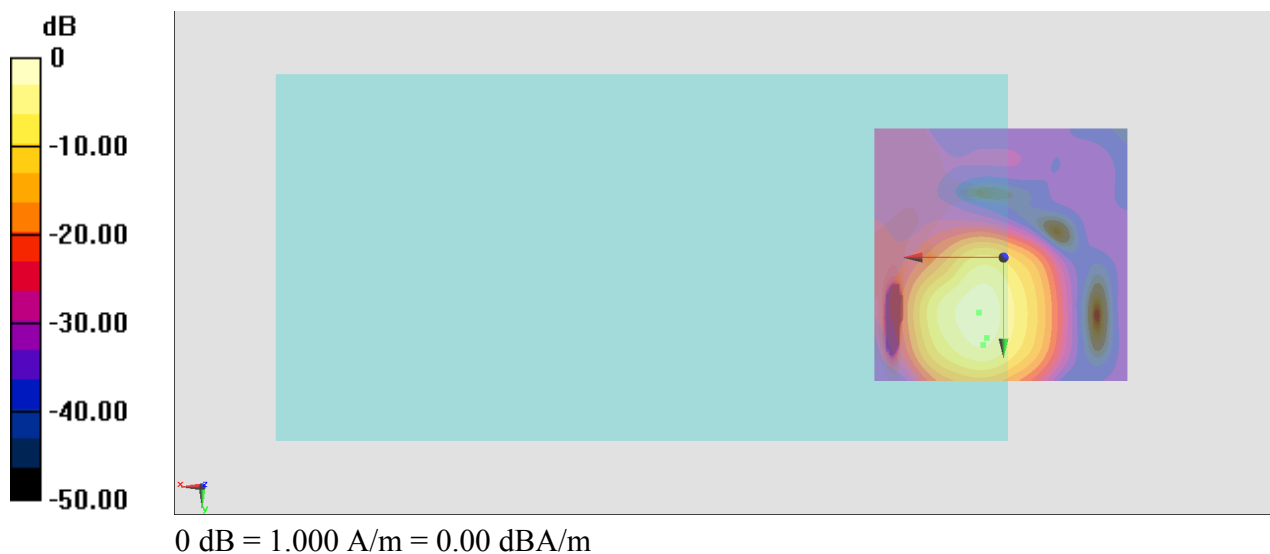
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.17 dB

ABM1 comp = -2.44 dBA/m

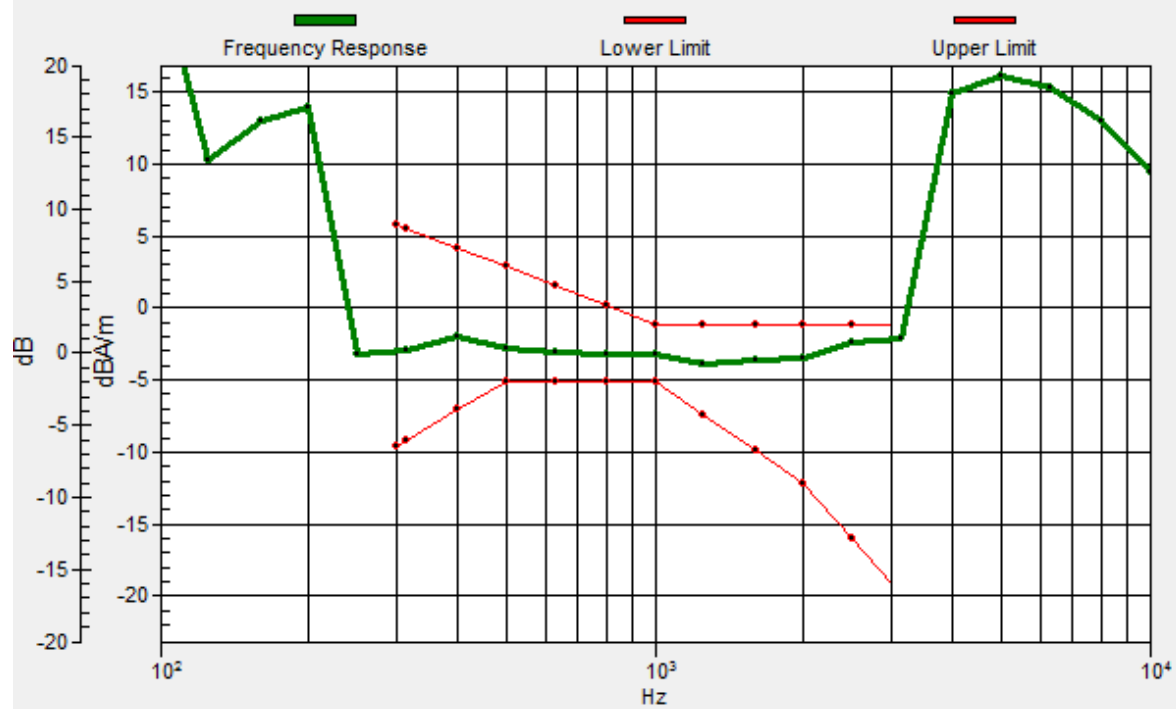
BWC Factor = 0.15 dB

Location: 3.3, 15.6, 3.7 mm



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

Loc: 4, 17, 3.7 mm Diff: 1.08dB



**#07\_HAC\_T-Coil\_CDMA BC1\_RC1+SO3 Voice codec8K Enhanced  
low\_Ch600\_Transversal (Y)**

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

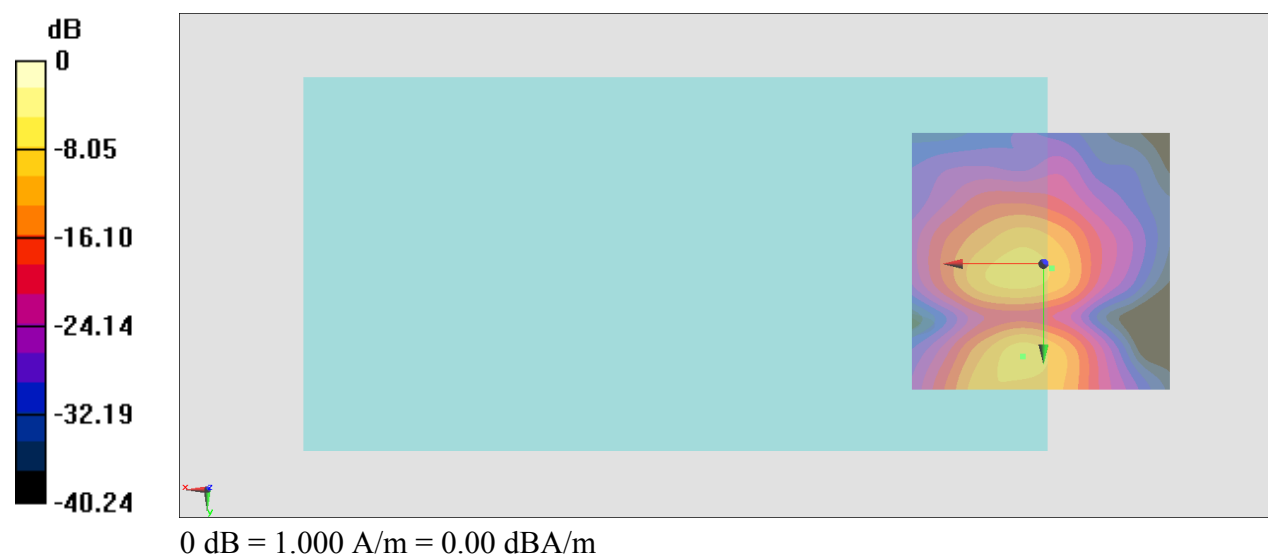
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.71 dB

ABM1 comp = -10.92 dBA/m

BWC Factor = 0.15 dB

Location: -1.6, 0.9, 3.7 mm



## #08\_HAC\_T-Coil\_CDMA BC10\_RC1+SO3 Voice codec8K Enhanced low\_Ch580\_Axial (Z)

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):

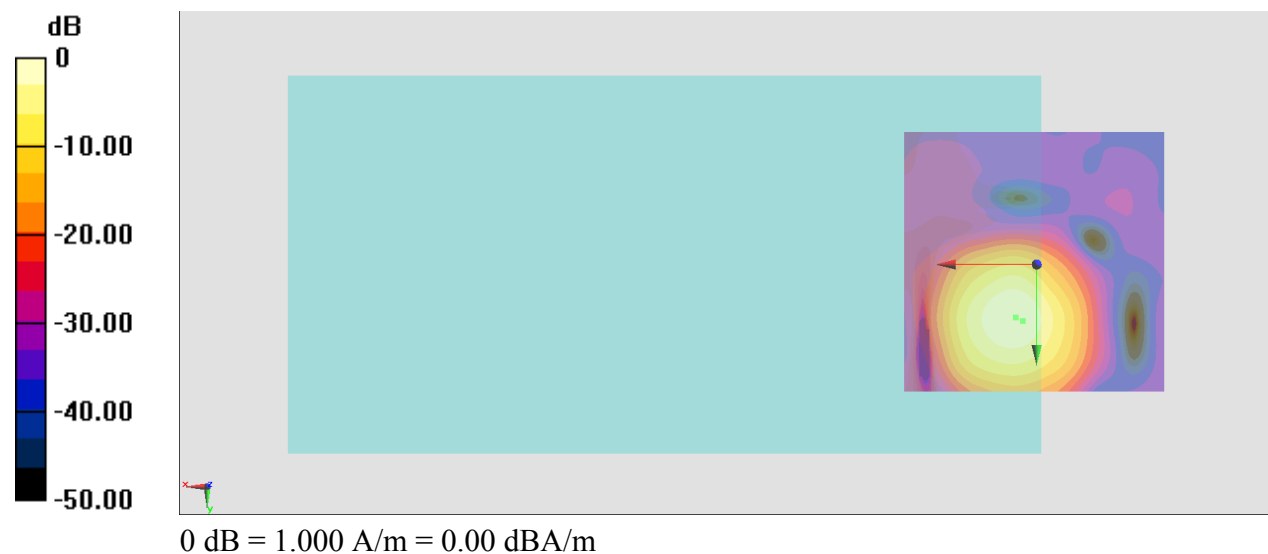
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.31 dB

ABM1 comp = 0.32 dBA/m

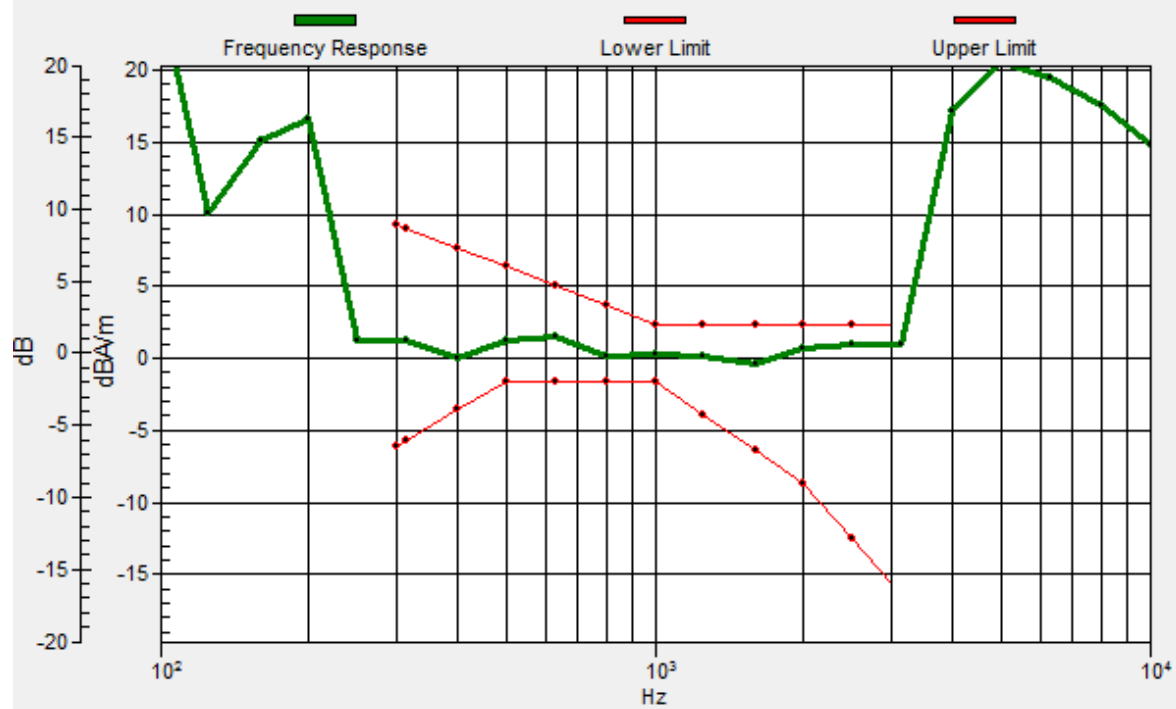
BWC Factor = 0.15 dB

Location: 2.6, 10.7, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 1.35dB



**#08\_HAC\_T-Coil\_CDMA BC10\_RC1+SO3 Voice codec8K Enhanced  
low\_Ch580\_Transversal (Y)**

Communication System: CDMA ; Frequency: 820.5 MHz;Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

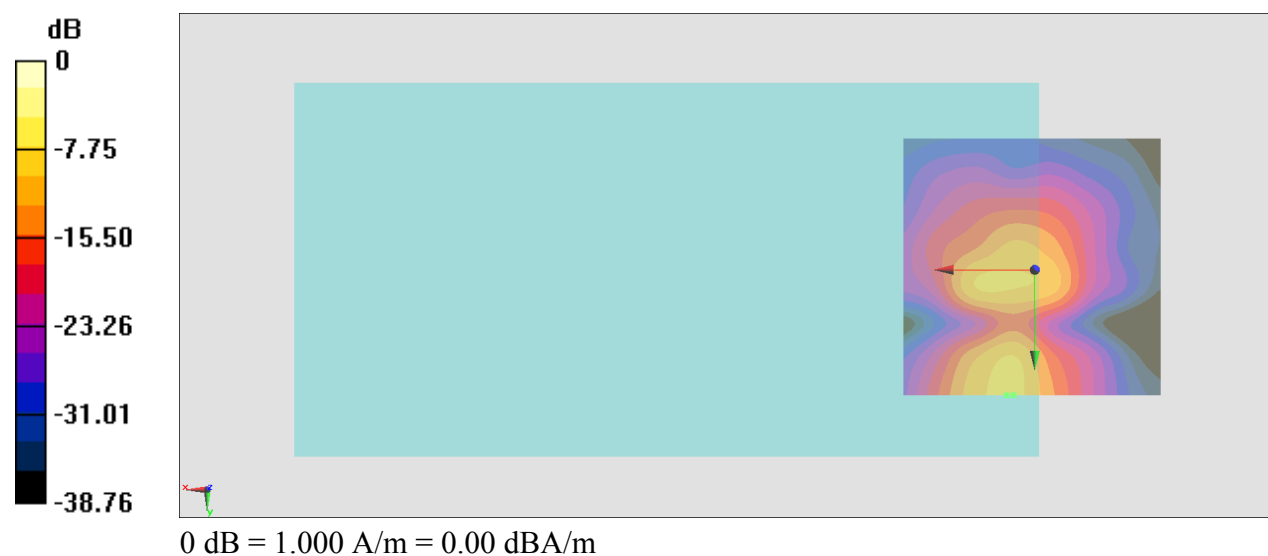
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.46 dB

ABM1 comp = -9.43 dBA/m

BWC Factor = 0.15 dB

Location: 4, 24, 3.7 mm



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

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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

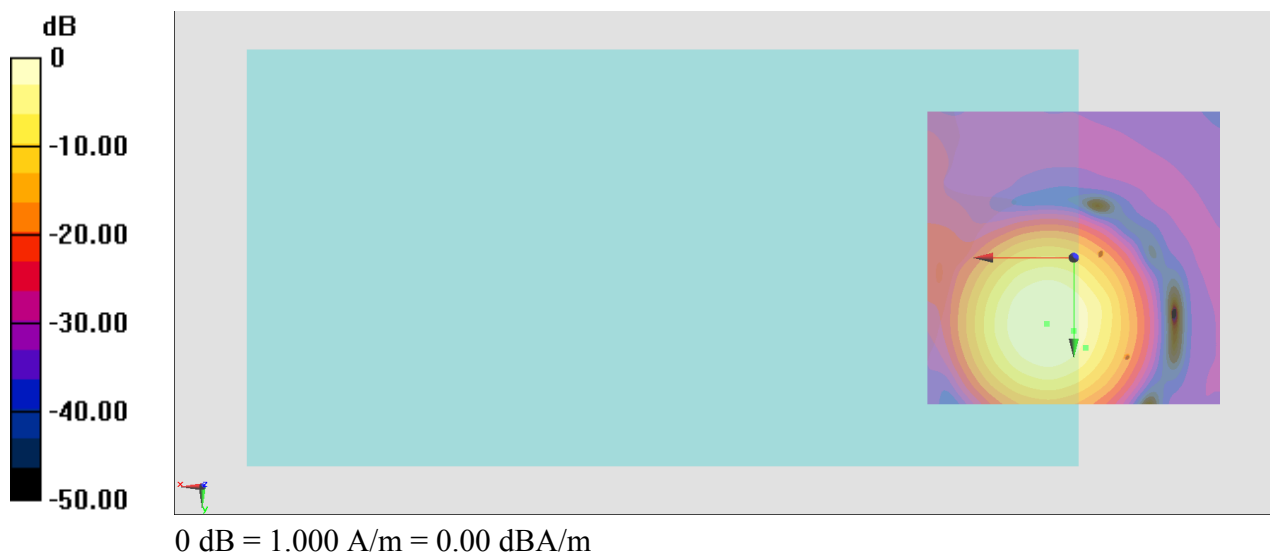
Interpolated grid: dx=1.000 mm, dy=1.000 mm

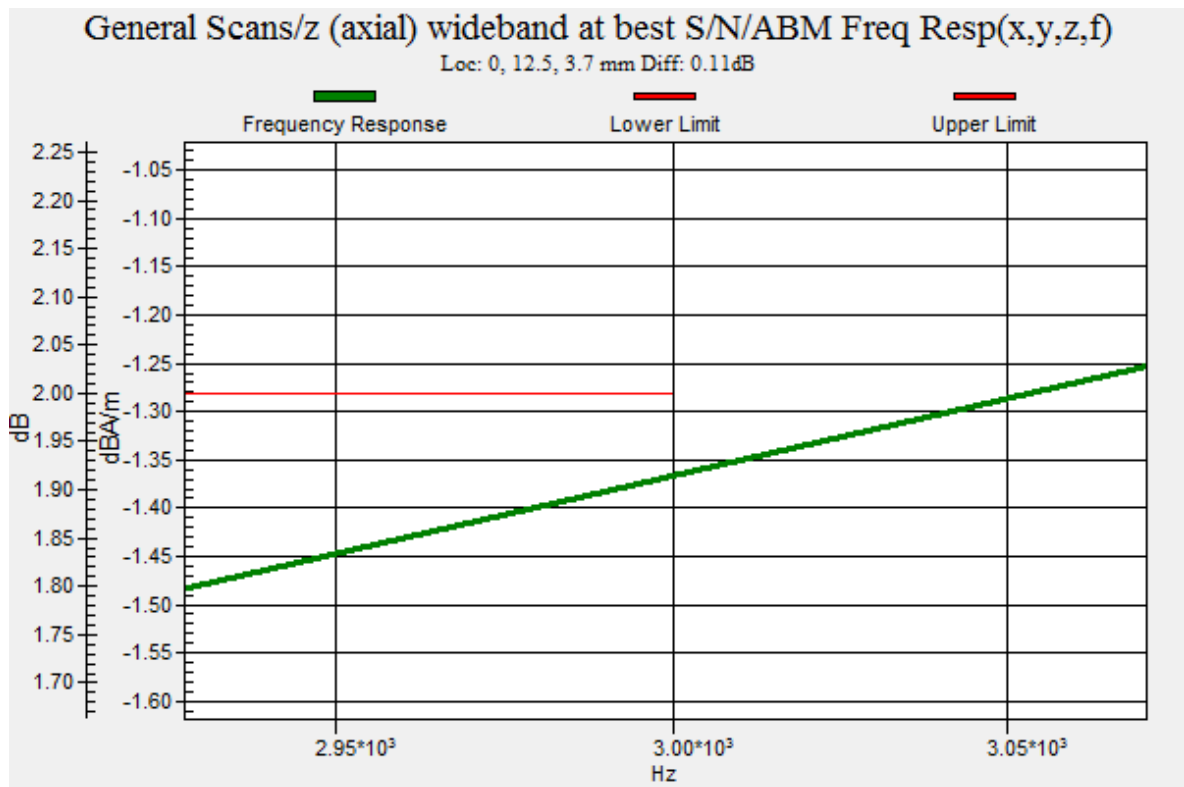
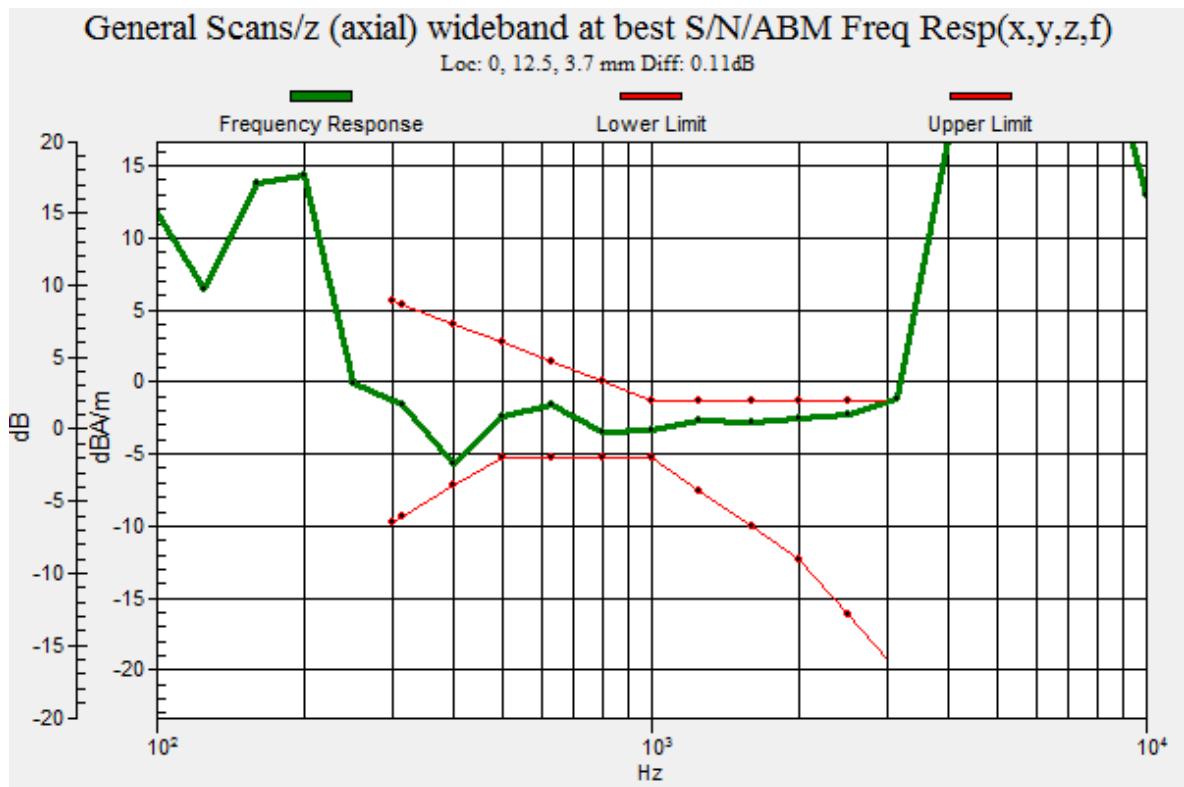
ABM1/ABM2 = 34.45 dB

ABM1 comp = -4.49 dBA/m

BWC Factor = 0.15 dB

Location: -2.1, 15.4, 3.7 mm





**#09\_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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

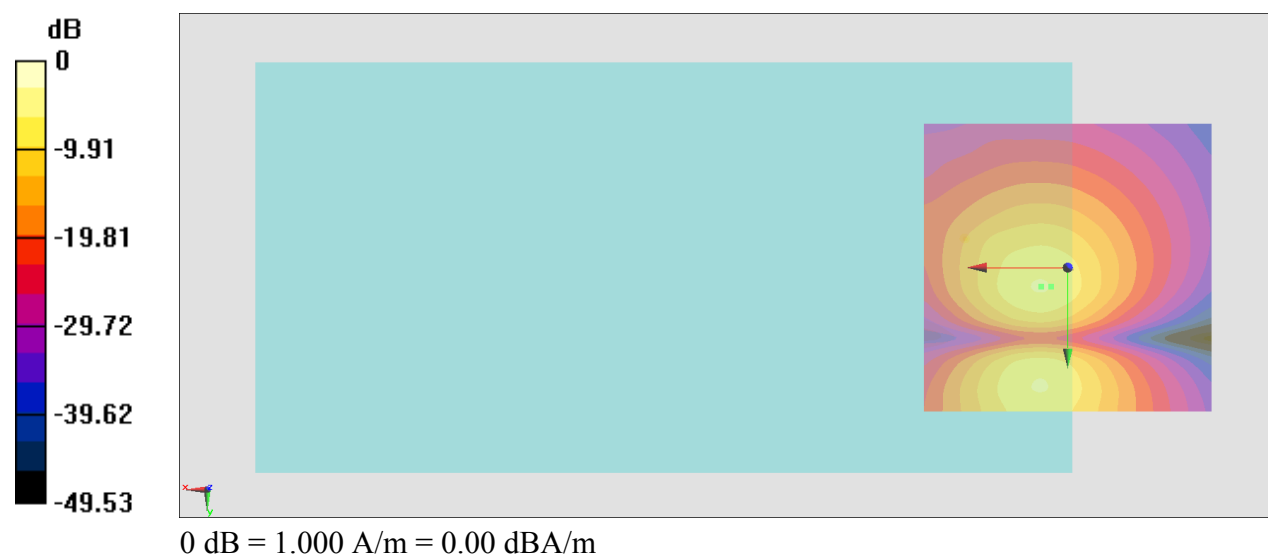
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.43 dB

ABM1 comp = -6.68 dBA/m

BWC Factor = 0.15 dB

Location: 2.9, 3.3, 3.7 mm



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

Communication System: LTE ; Frequency: 1732.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

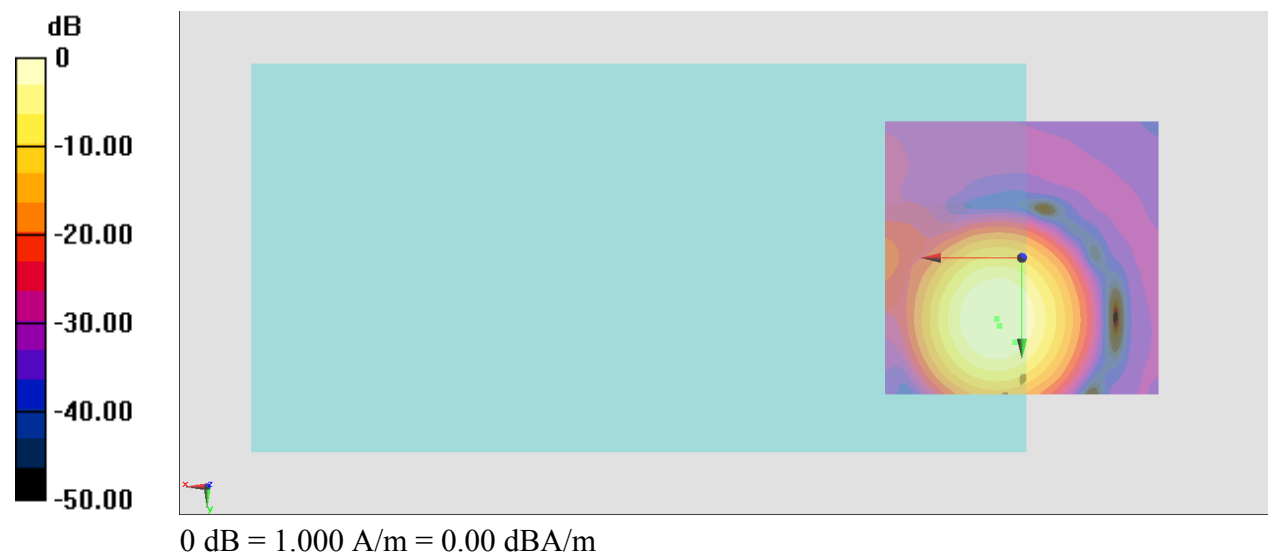
Interpolated grid: dx=1.000 mm, dy=1.000 mm

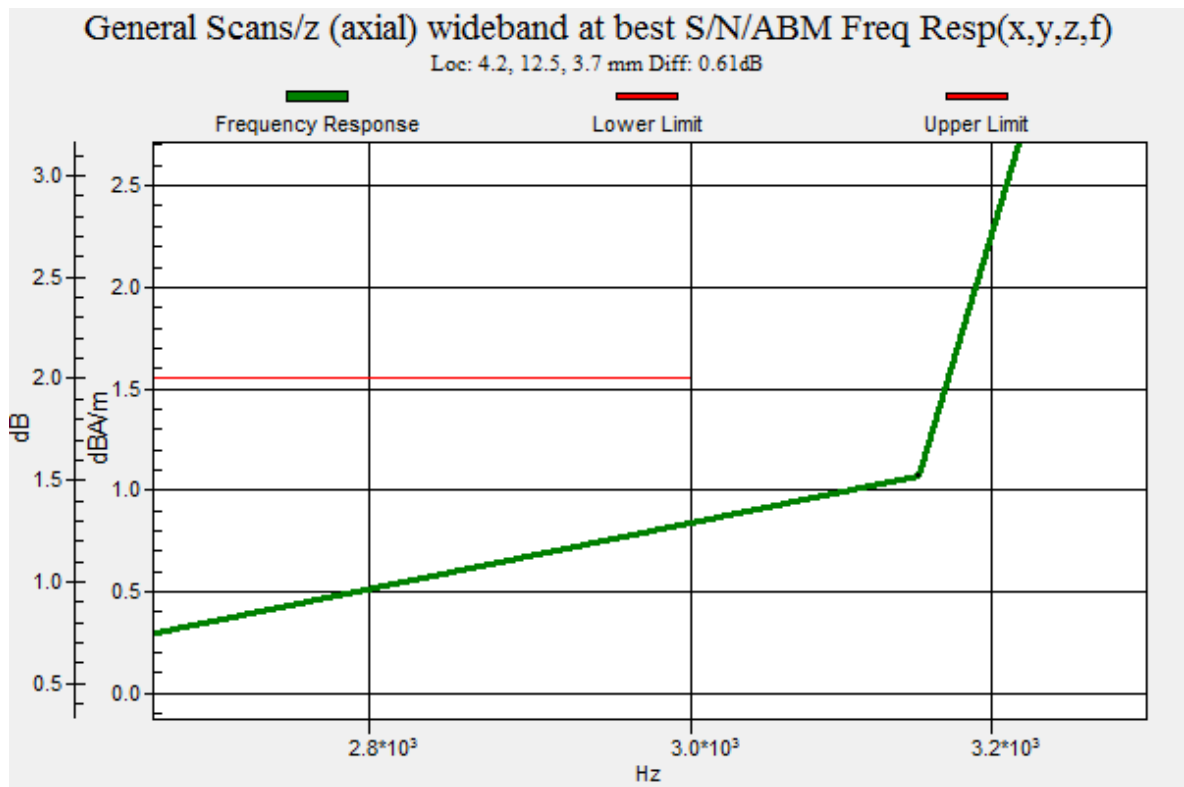
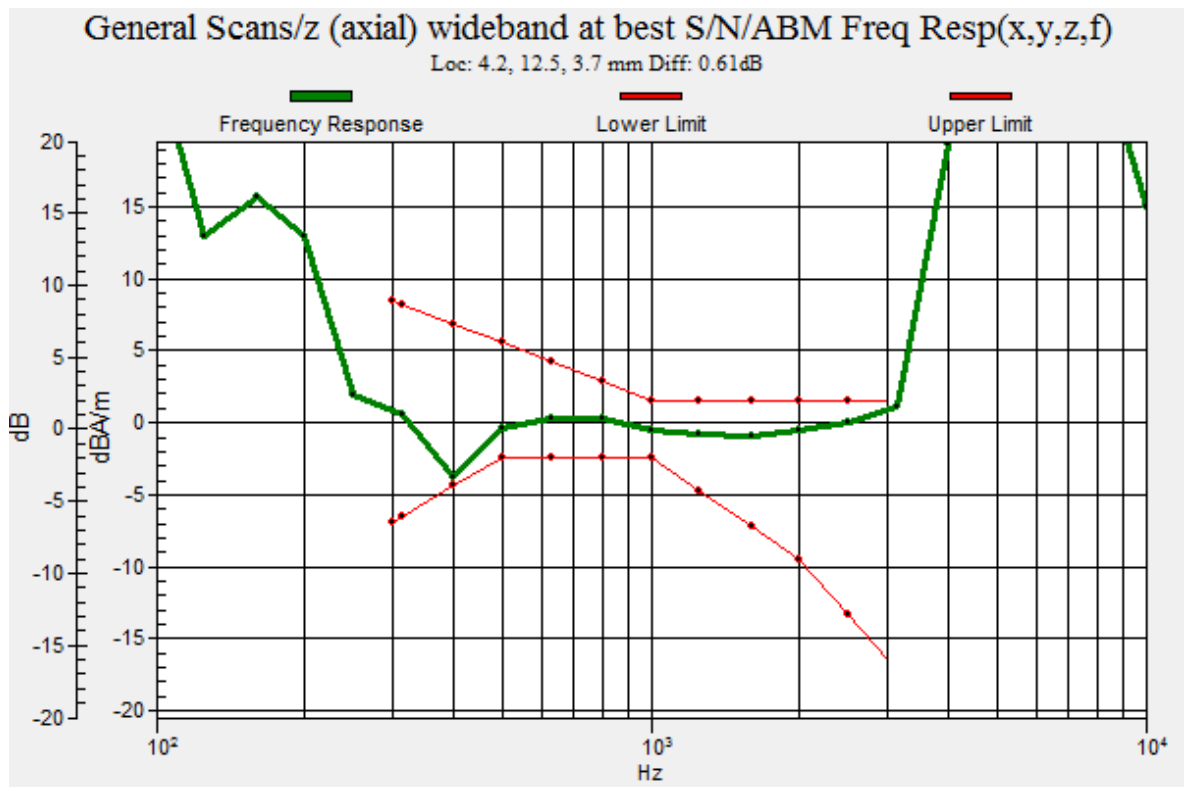
ABM1/ABM2 = 34.72 dB

ABM1 comp = -1.41 dBA/m

BWC Factor = 0.15 dB

Location: 1.3, 15.4, 3.7 mm





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

Communication System: LTE ; Frequency: 1732.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

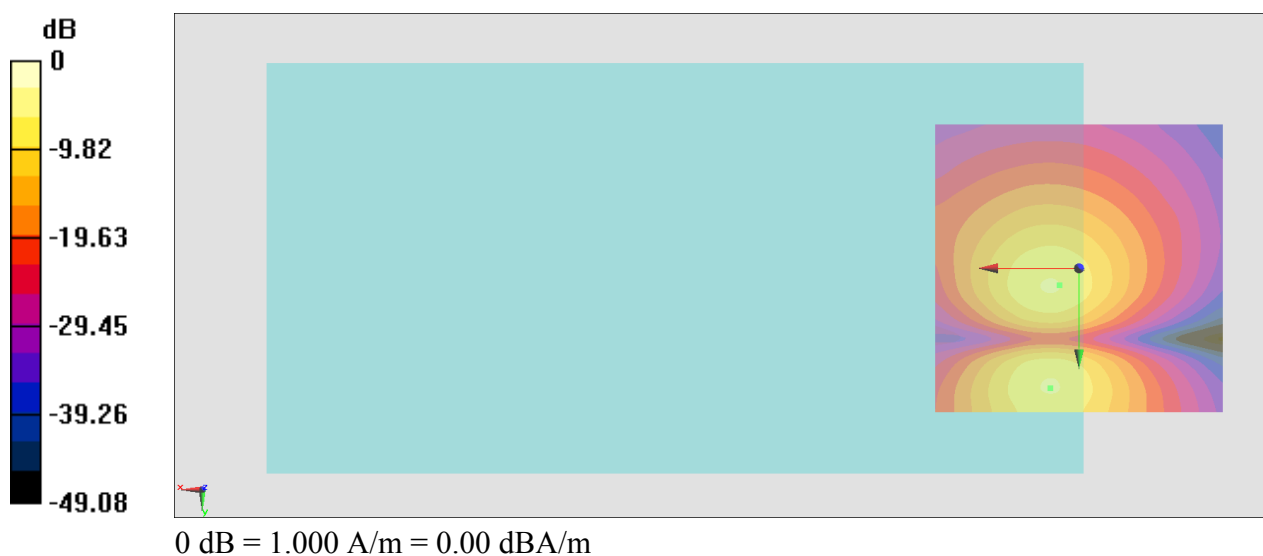
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.38 dB

ABM1 comp = -6.51 dBA/m

BWC Factor = 0.15 dB

Location: 3.3, 2.9, 3.7 mm



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

Communication System: LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

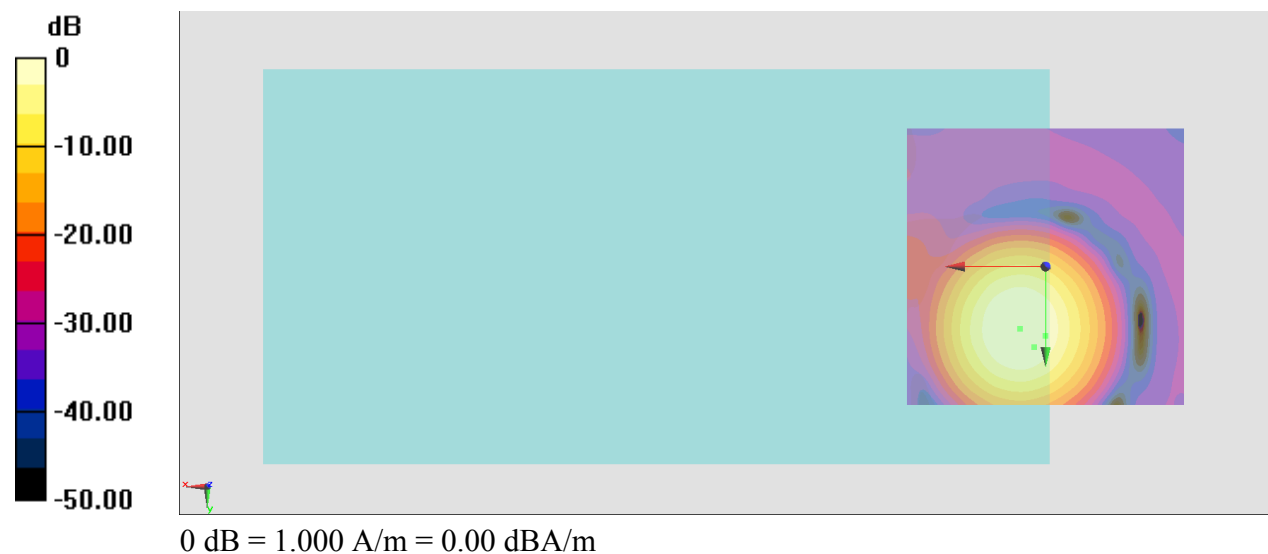
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.06 dB

ABM1 comp = -0.22 dBA/m

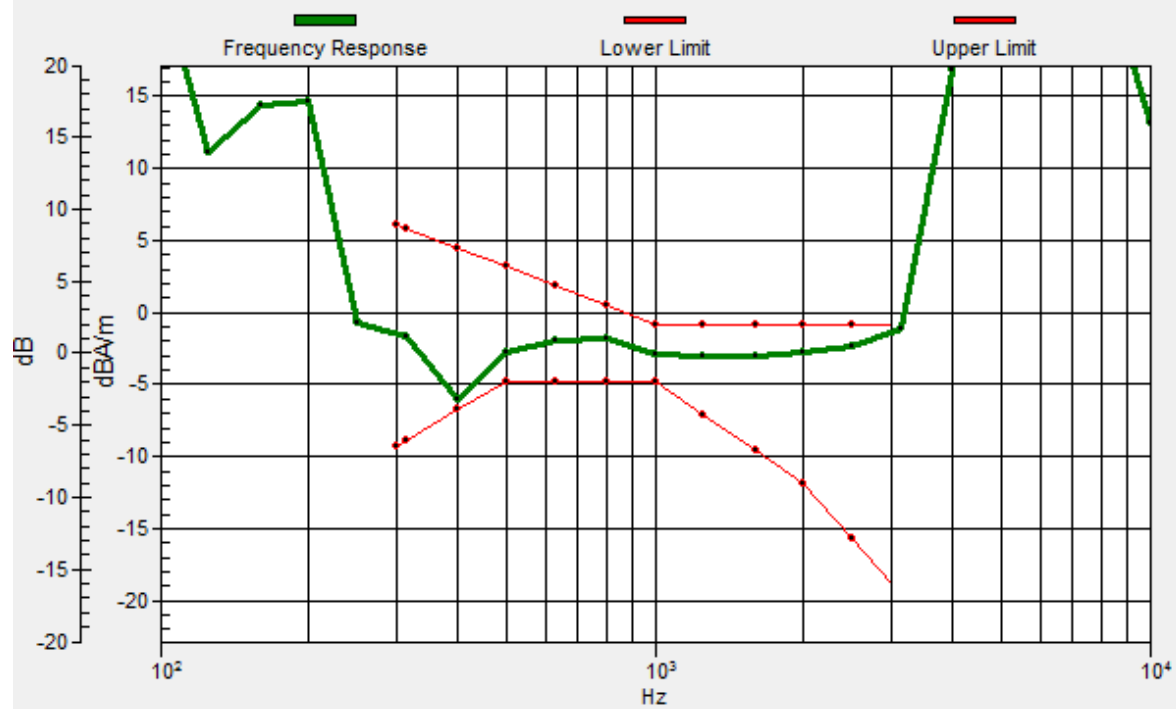
BWC Factor = 0.15 dB

Location: 2.1, 14.6, 3.7 mm



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

Loc: 0, 12.5, 3.7 mm Diff: 0.54dB



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

Communication System: LTE ; Frequency: 836.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

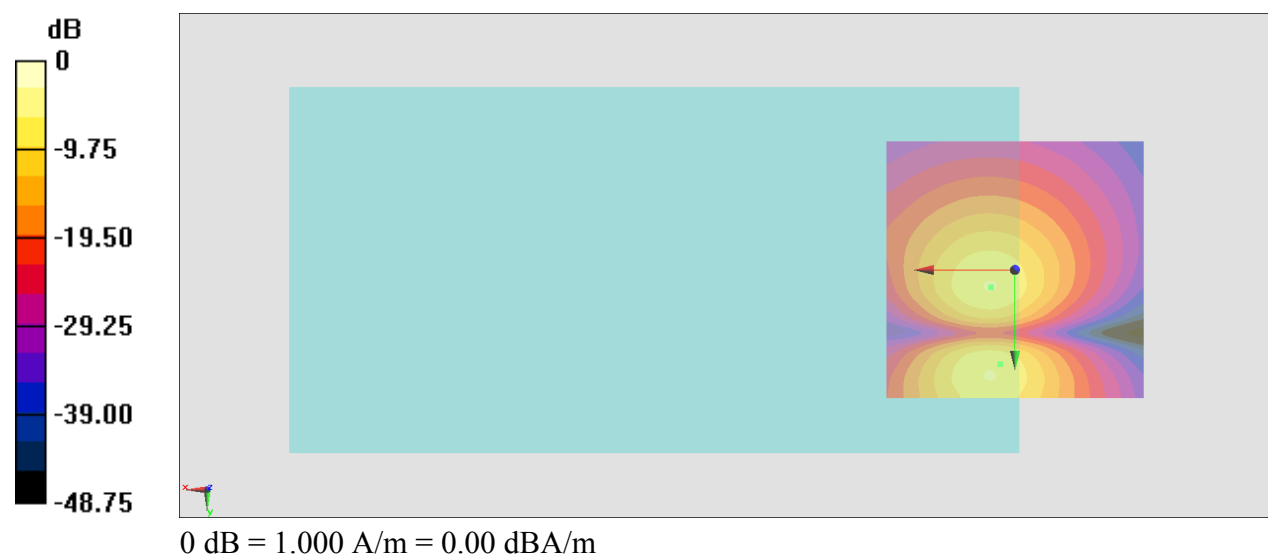
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.58 dB

ABM1 comp = -7.10 dBA/m

BWC Factor = 0.15 dB

Location: 2.9, 18.3, 3.7 mm



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

Communication System: LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

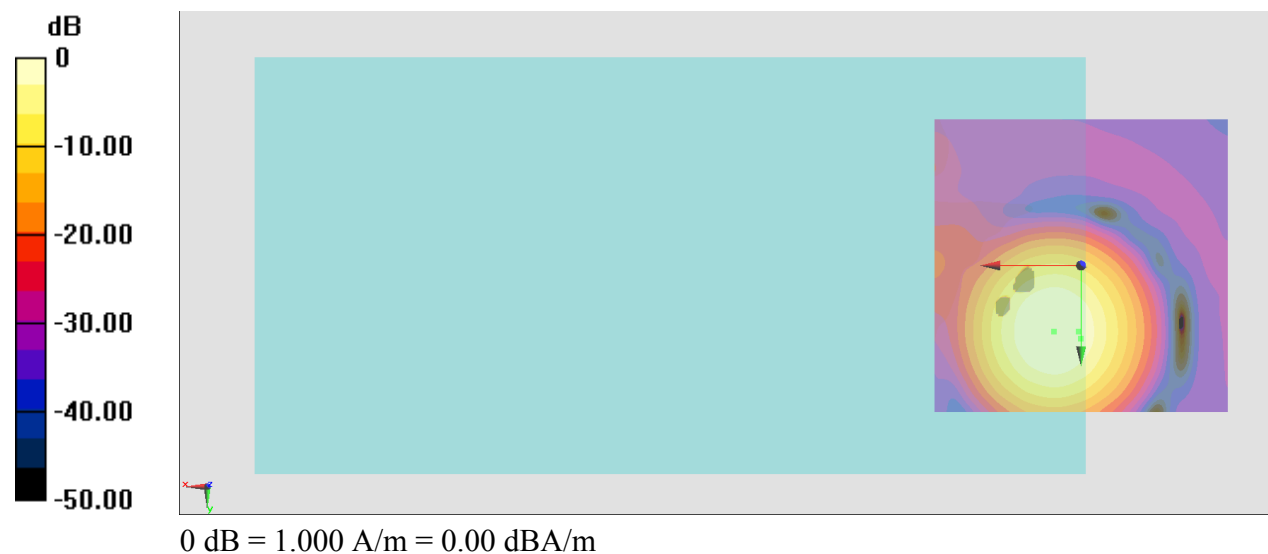
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.08 dB

ABM1 comp = -0.38 dBA/m

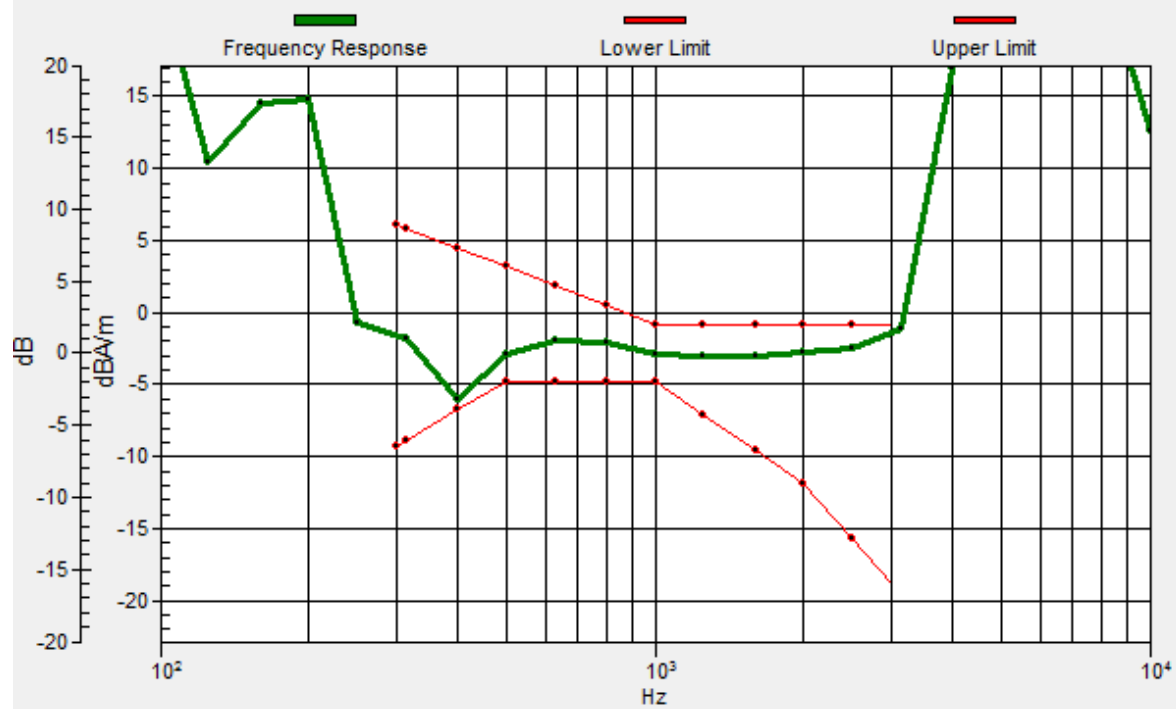
BWC Factor = 0.15 dB

Location: 0.4, 11.2, 3.7 mm



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

Loc: 0, 12.5, 3.7 mm Diff: 0.59dB



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

Communication System: LTE ; Frequency: 2535 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

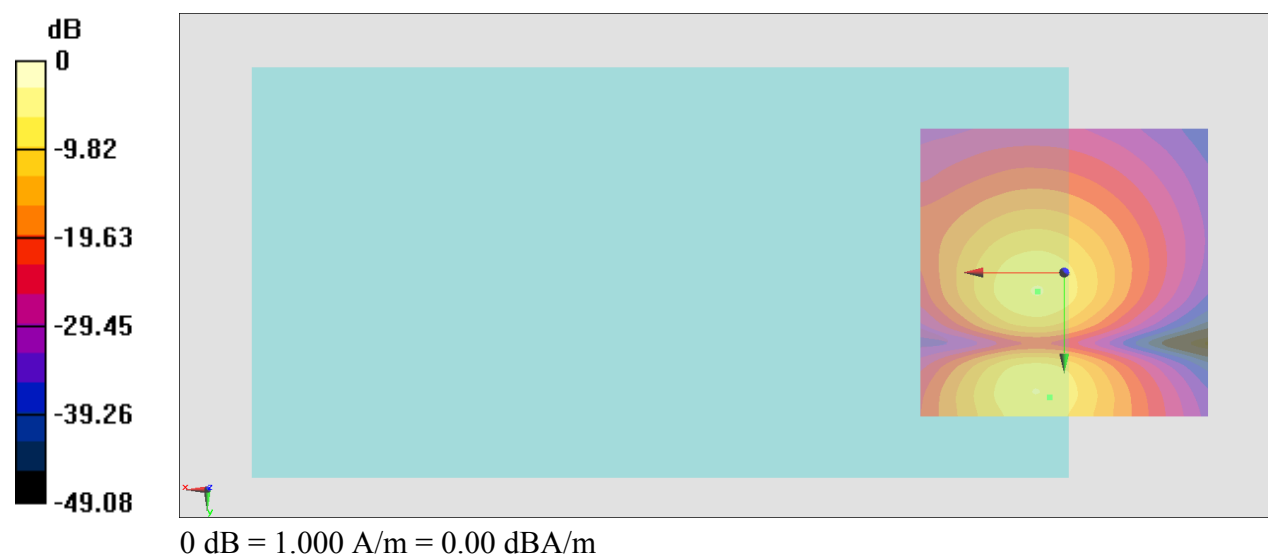
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.01 dB

ABM1 comp = -7.02 dBA/m

BWC Factor = 0.15 dB

Location: 2.5, 21.7, 3.7 mm



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

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

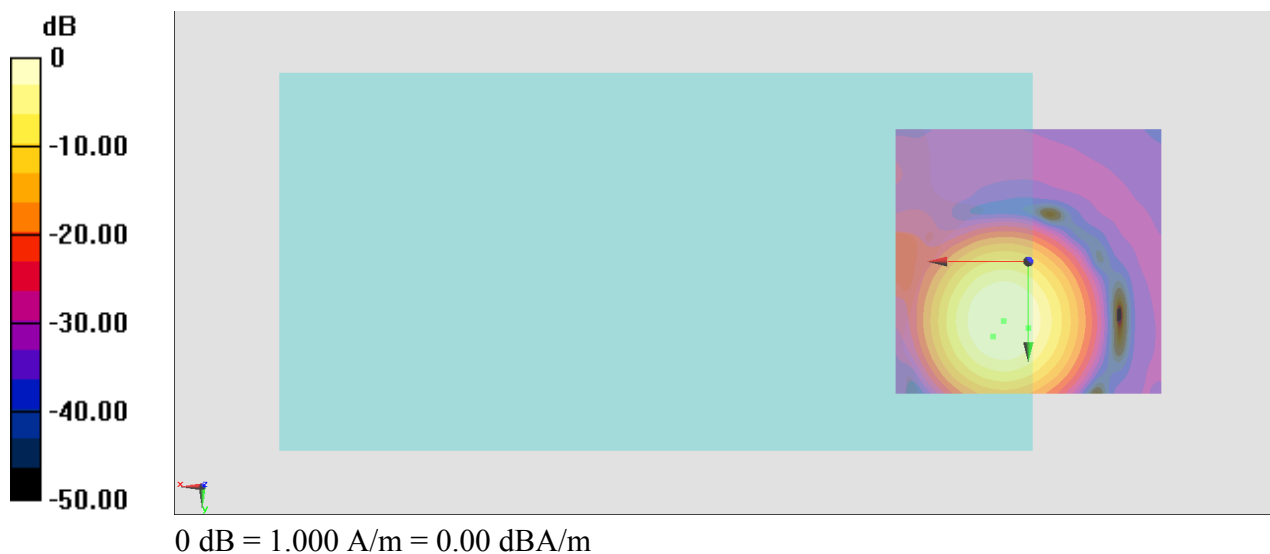
Interpolated grid: dx=1.000 mm, dy=1.000 mm

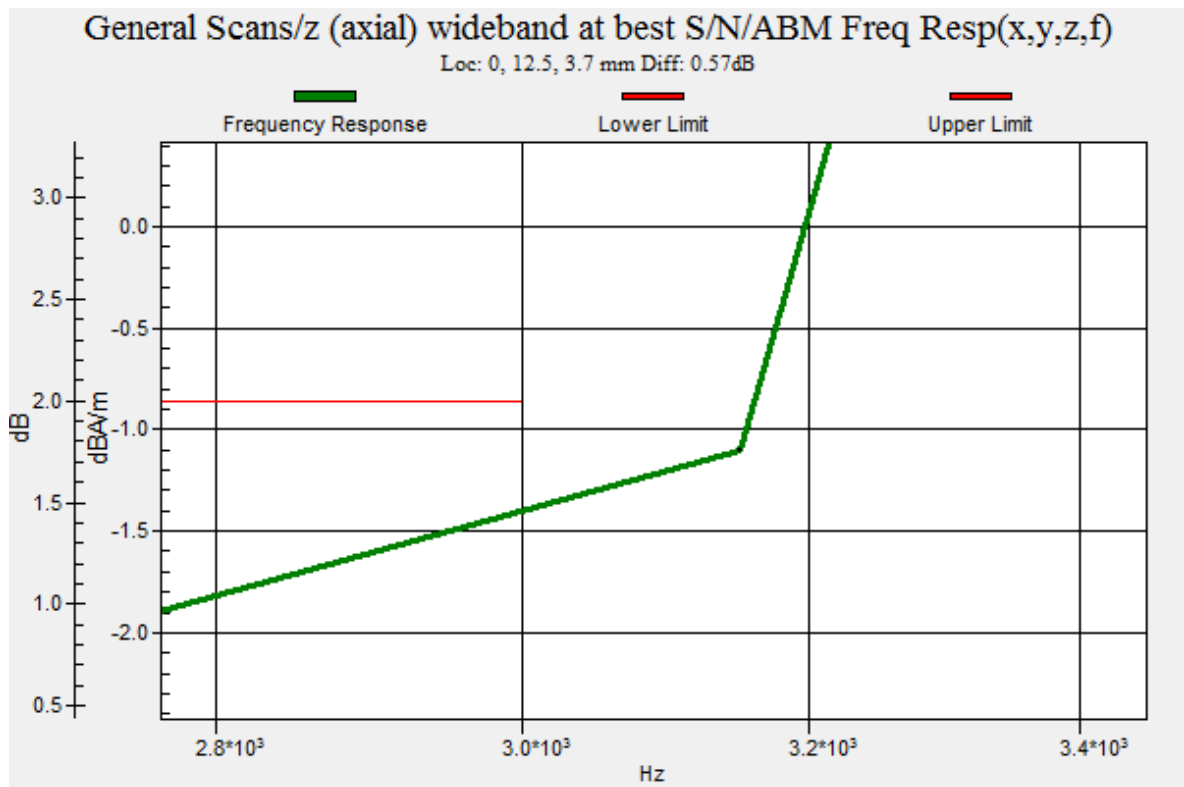
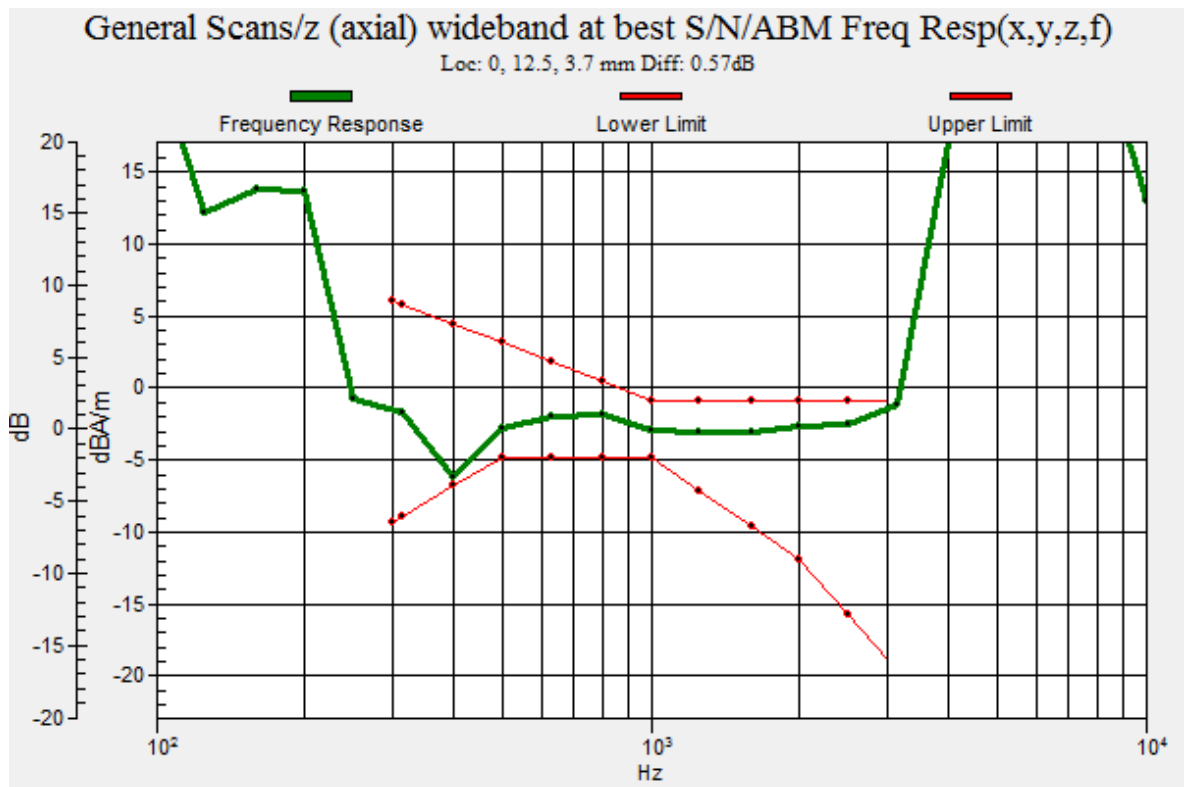
ABM1/ABM2 = 33.86 dB

ABM1 comp = 0.27 dBA/m

BWC Factor = 0.15 dB

Location: 6.7, 14.2, 3.7 mm





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

Communication System: LTE ; Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

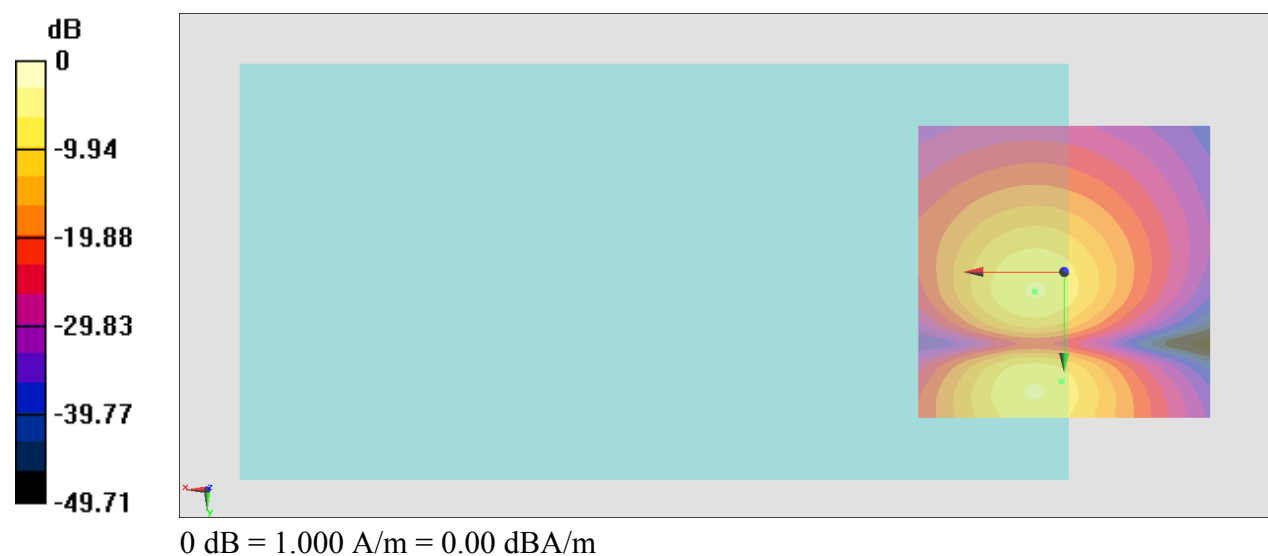
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.36 dB

ABM1 comp = -8.18 dBA/m

BWC Factor = 0.15 dB

Location: 0.4, 18.7, 3.7 mm



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

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

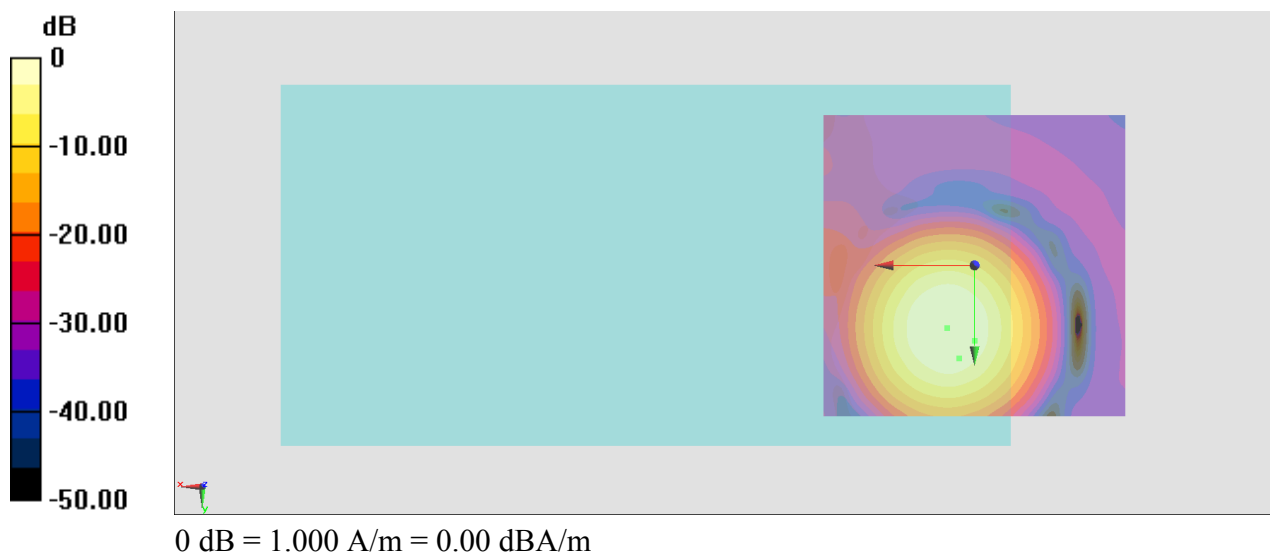
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.43 dB

ABM1 comp = -1.06 dBA/m

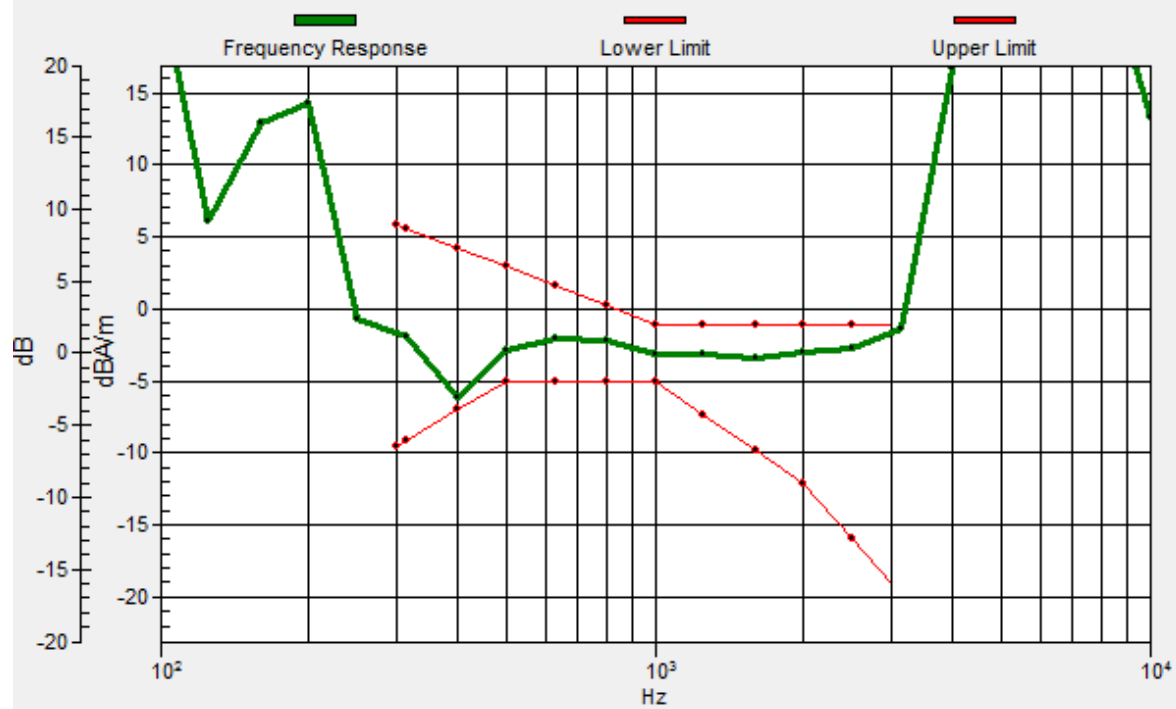
BWC Factor = 0.15 dB

Location: 2.5, 15.4, 3.7 mm



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

Loc: 0, 12.5, 3.7 mm Diff: 0.58dB



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

Communication System: LTE ; Frequency: 782 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

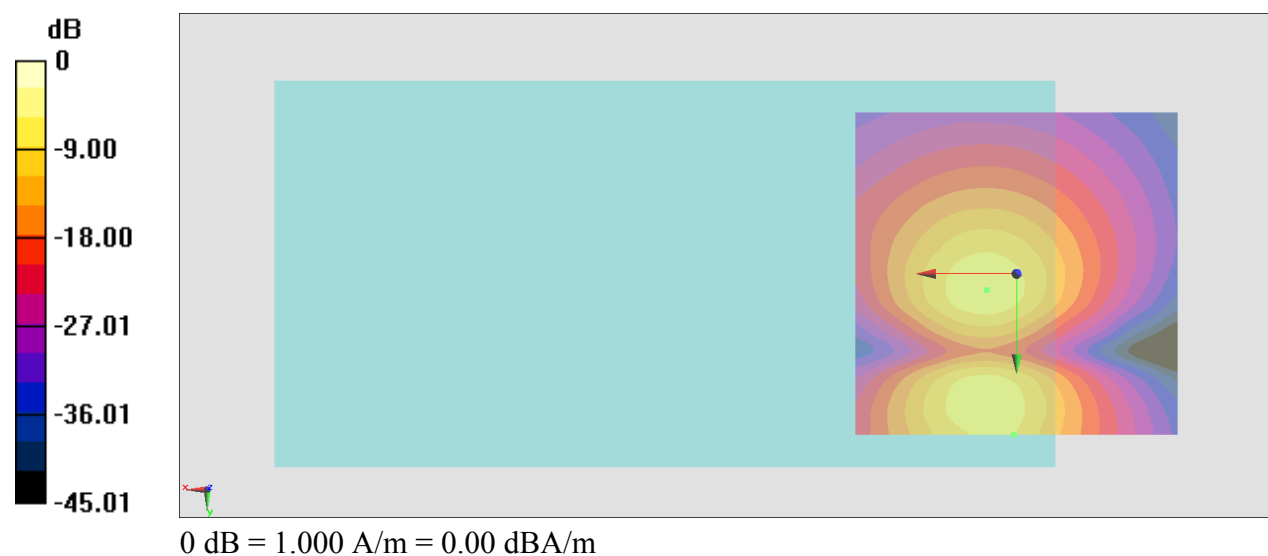
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.89 dB

ABM1 comp = -8.91 dBA/m

BWC Factor = 0.15 dB

Location: 0.4, 25, 3.7 mm



**#15\_HAC\_T-Coil\_LTE Band 17\_10M\_QPSK\_1RB\_0offset\_NB AMR  
12.2Kbps\_Ch23790\_Axial (Z)**

Communication System: LTE ; Frequency: 710 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

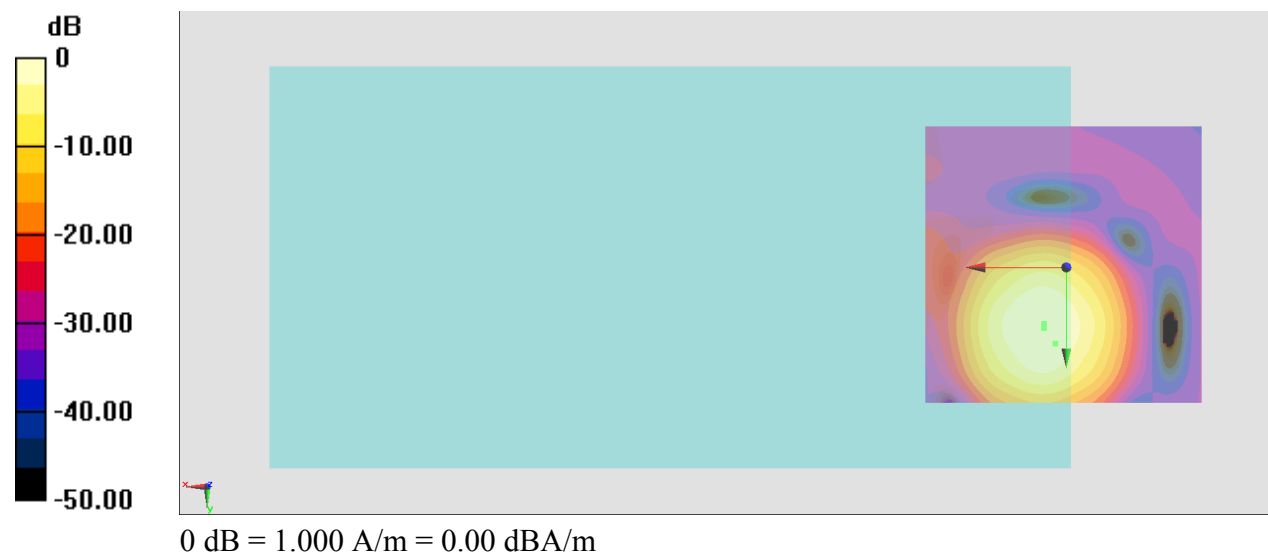
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.93 dB

ABM1 comp = 0.22 dBA/m

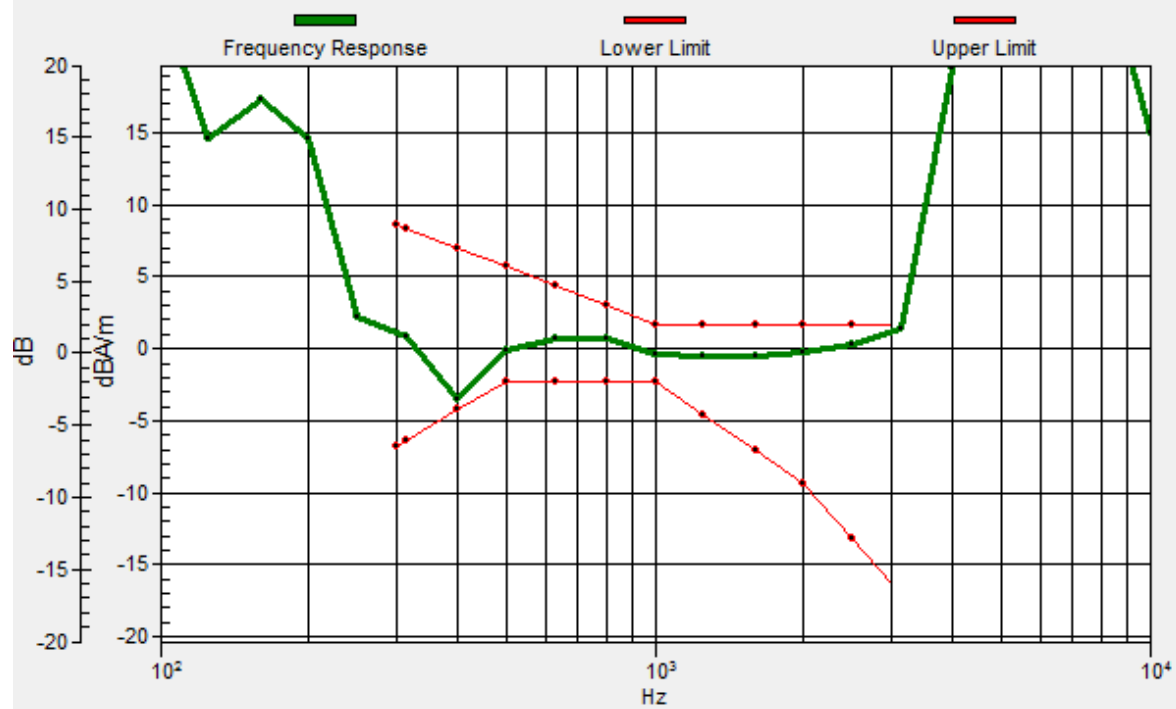
BWC Factor = 0.15 dB

Location: 1.9, 13.5, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.52dB



**#15\_HAC\_T-Coil\_LTE Band 17\_10M\_QPSK\_1RB\_0offset\_NB AMR  
12.2Kbps\_Ch23790\_Transversal (Y)**

Communication System: LTE ; Frequency: 710 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

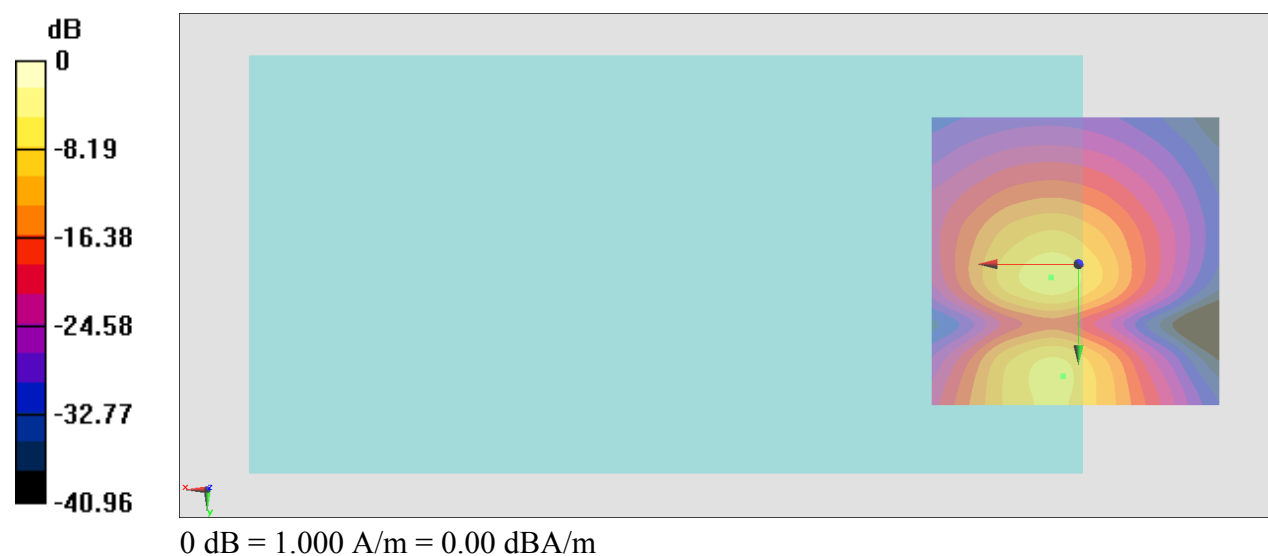
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.19 dB

ABM1 comp = -7.25 dBA/m

BWC Factor = 0.15 dB

Location: 2.6, 19.1, 3.7 mm



**#16\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1RB\_0offset\_NB AMR  
12.2Kbps\_Ch26340\_Axial (Z)**

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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

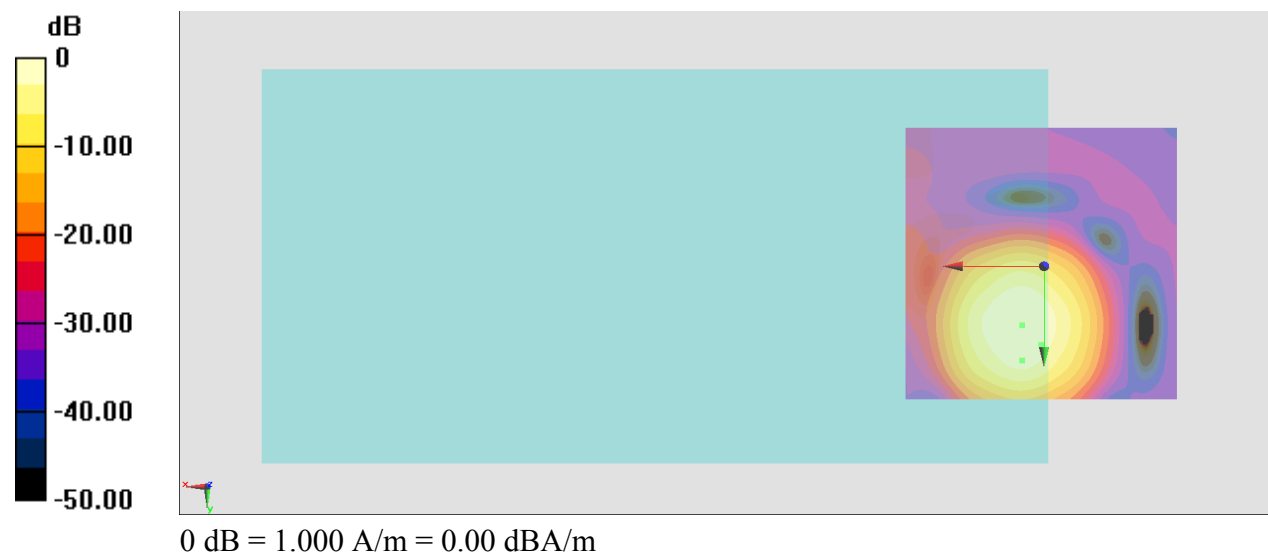
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.82 dB

ABM1 comp = -1.50 dBA/m

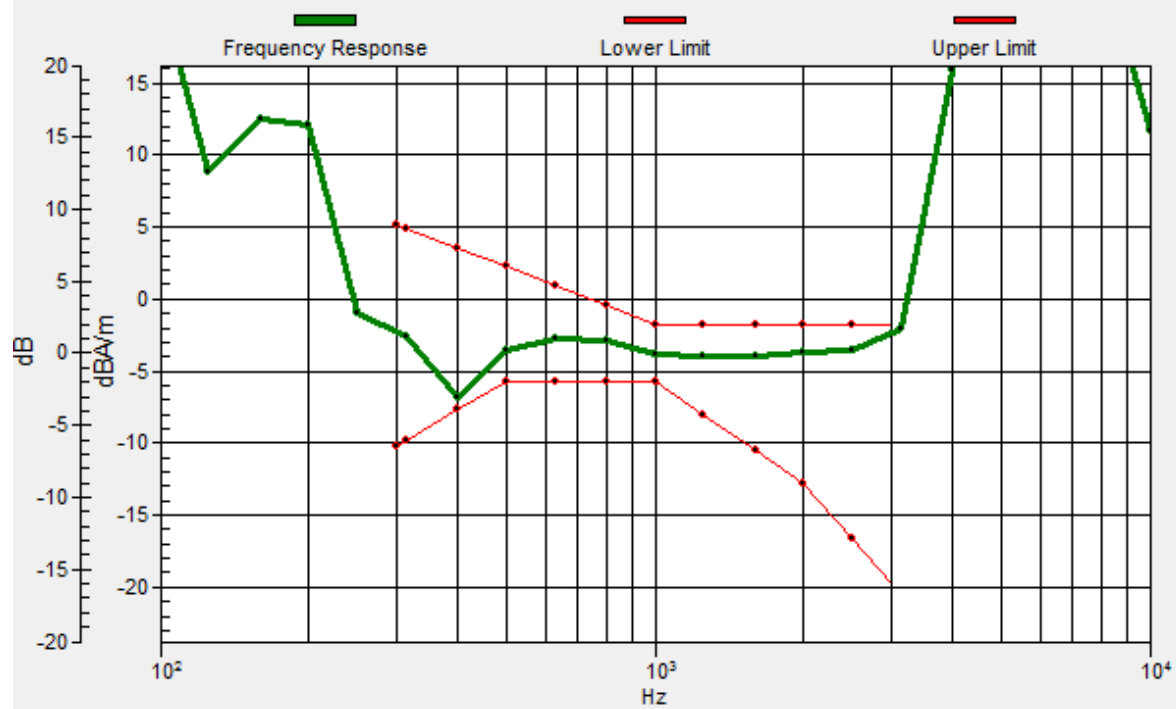
BWC Factor = 0.15 dB

Location: 0.5, 14.2, 3.7 mm



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

Loc: 4, 17, 3.7 mm Diff: 0.62dB



**#16\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1RB\_0offset\_NB AMR  
12.2Kbps\_Ch26340\_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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

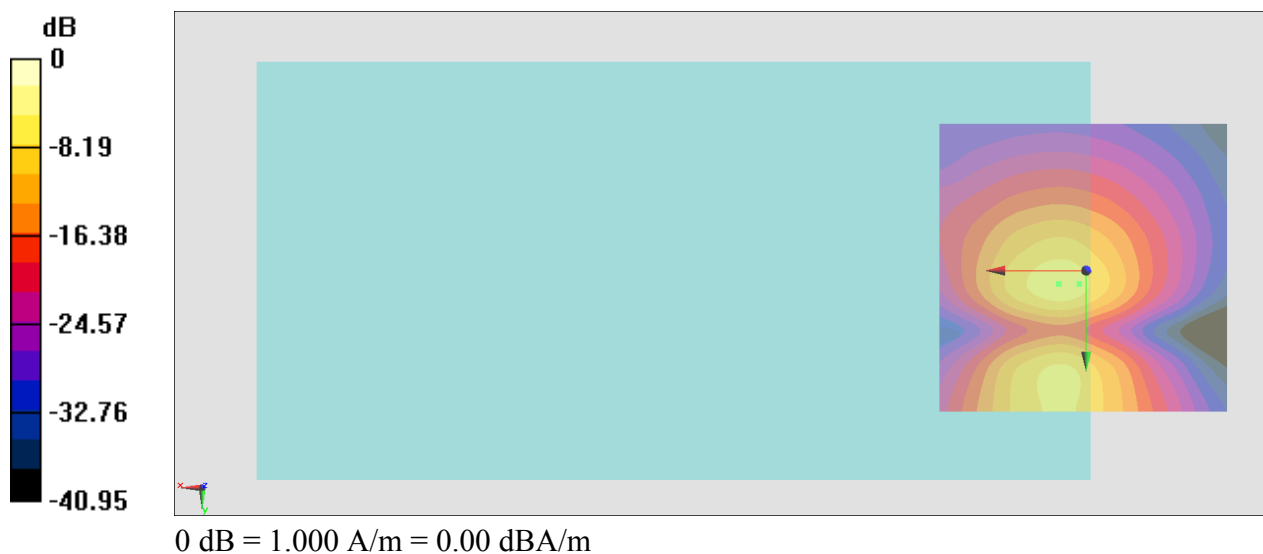
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.01 dB

ABM1 comp = -7.11 dBA/m

BWC Factor = 0.15 dB

Location: 1.2, 2.3, 3.7 mm



**#17\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1RB\_0offset\_NB  
AMR12.2Kbps\_Ch26865\_Axial (Z)**

Communication System: LTE ; Frequency: 831.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

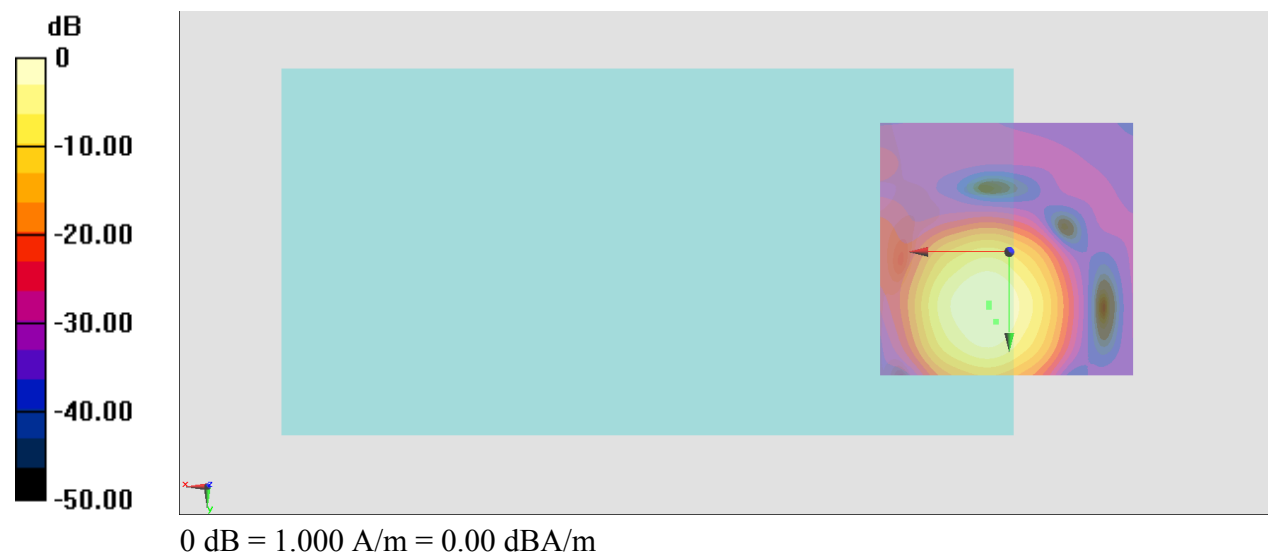
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.85 dB

ABM1 comp = 0.27 dBA/m

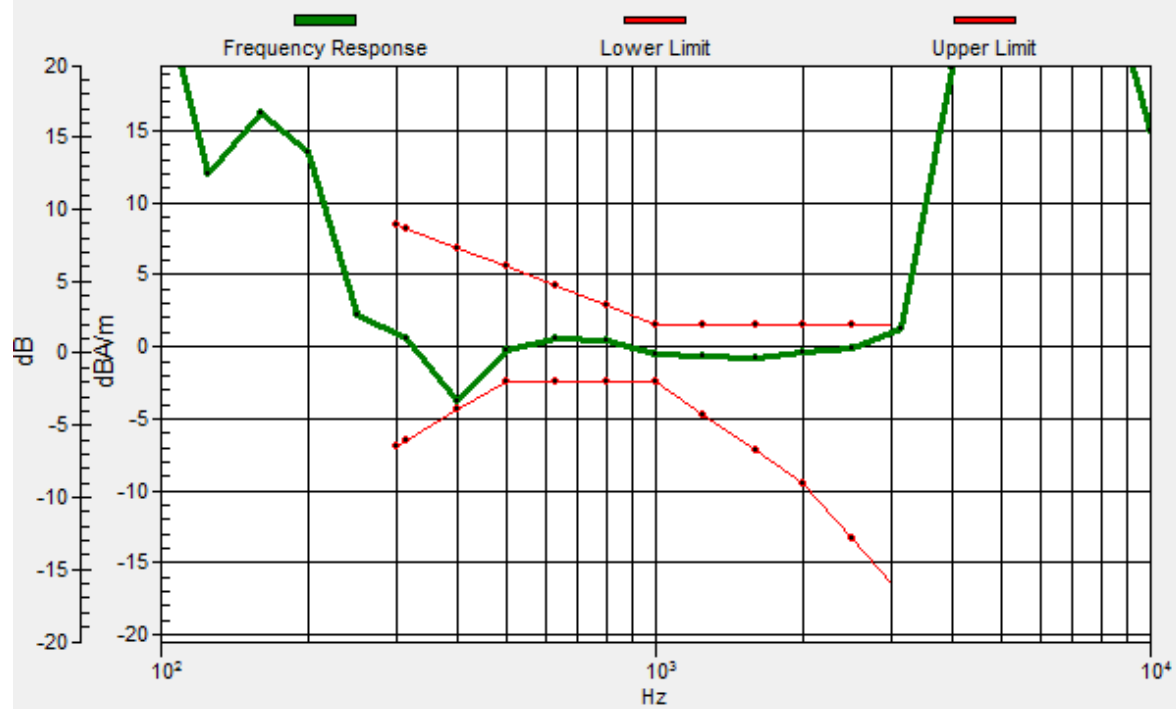
BWC Factor = 0.15 dB

Location: 2.6, 13.5, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.6dB



**#17\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1RB\_0offset\_NB  
AMR12.2Kbps\_Ch26865\_Transversal (Y)**

Communication System: LTE ; Frequency: 831.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

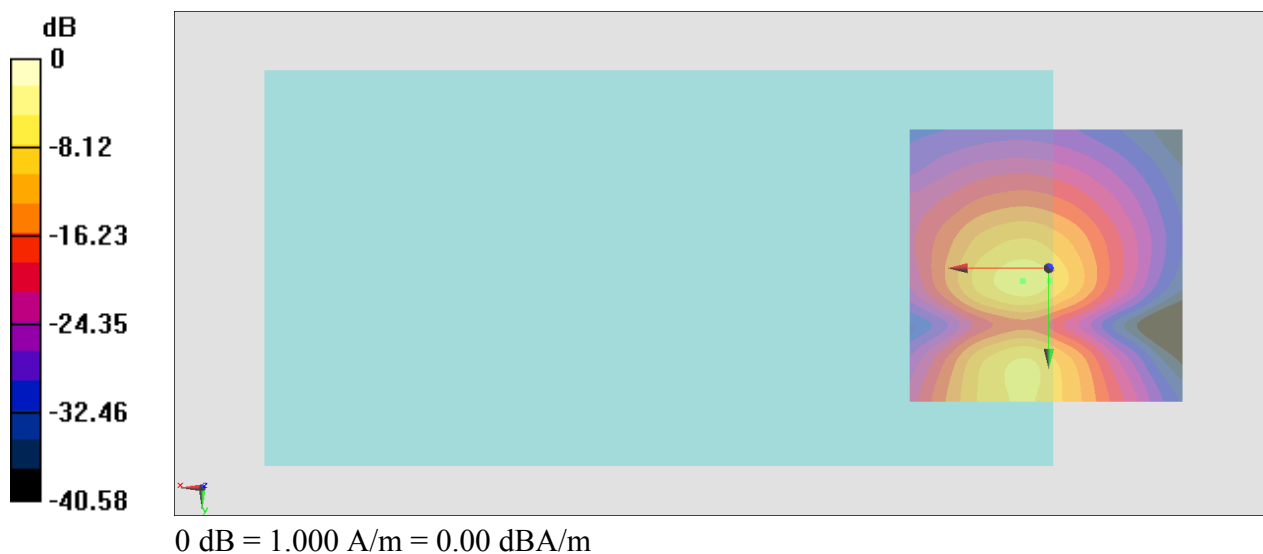
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.27 dB

ABM1 comp = -8.20 dBA/m

BWC Factor = 0.15 dB

Location: -0.2, 2.3, 3.7 mm



**#18\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1RB\_0offset\_NB  
AMR12.2Kbps\_Ch27710\_Axial (Z)**

Communication System: LTE ; Frequency: 2310 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

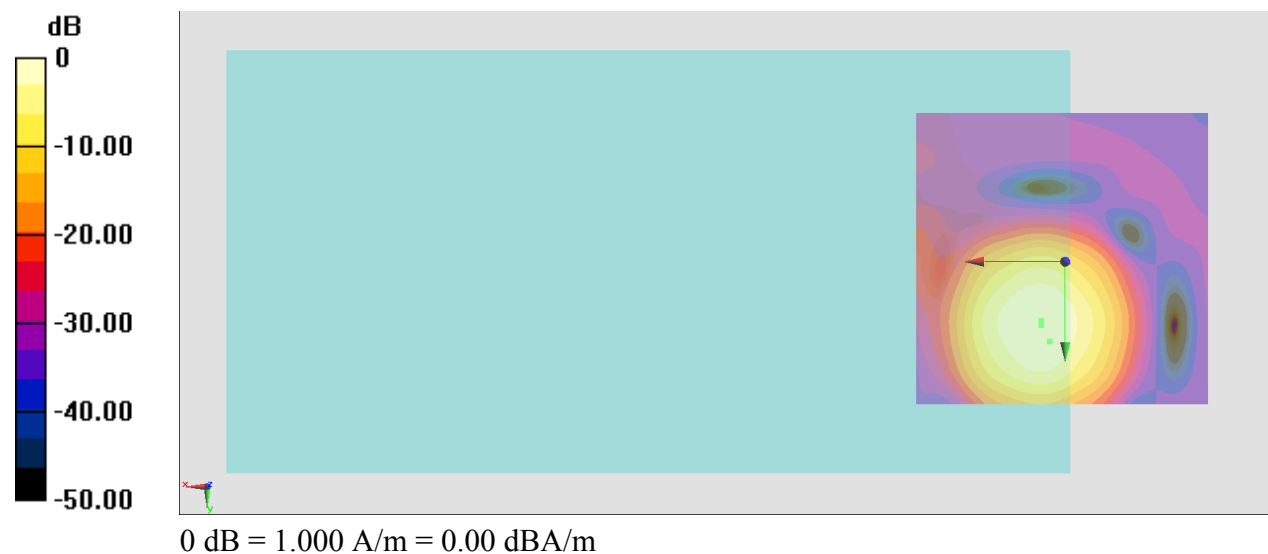
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.86 dB

ABM1 comp = 0.29 dBA/m

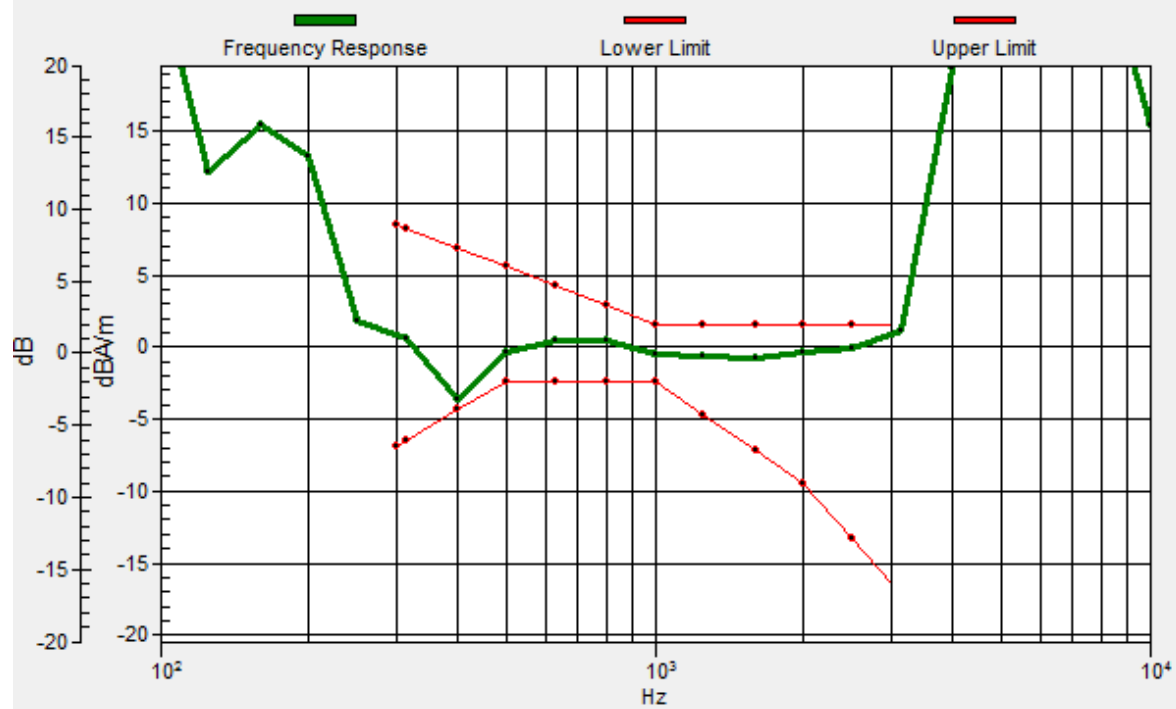
BWC Factor = 0.15 dB

Location: 2.6, 13.5, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.67dB



**#18\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1RB\_0offset\_NB AMR  
12.2Kbps\_Ch27710\_Transversal (Y)**

Communication System: LTE ; Frequency: 2310 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 : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

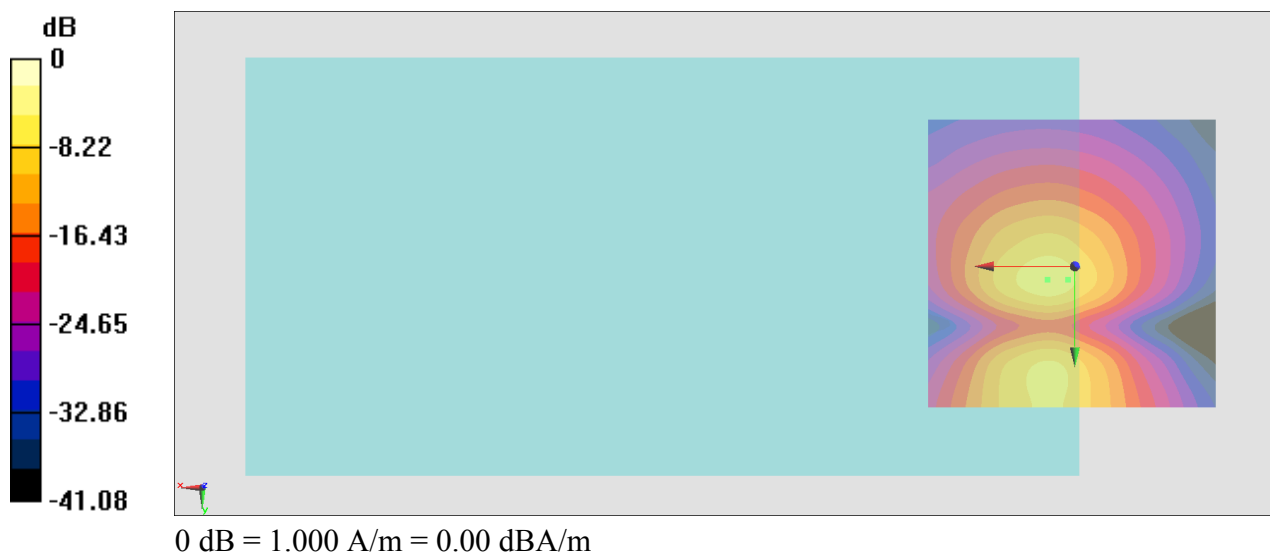
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.54 dB

ABM1 comp = -7.31 dBA/m

BWC Factor = 0.15 dB

Location: 1.2, 2.3, 3.7 mm



**#19\_HAC\_T-Coil\_LTE Band 38\_20M\_QPSK\_1RB\_0offset\_NB  
AMR12.2Kbps\_Ch38000\_Axial (Z)**

Communication System: LTE ; Frequency: 2595 MHz;Duty Cycle: 1:1.59

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

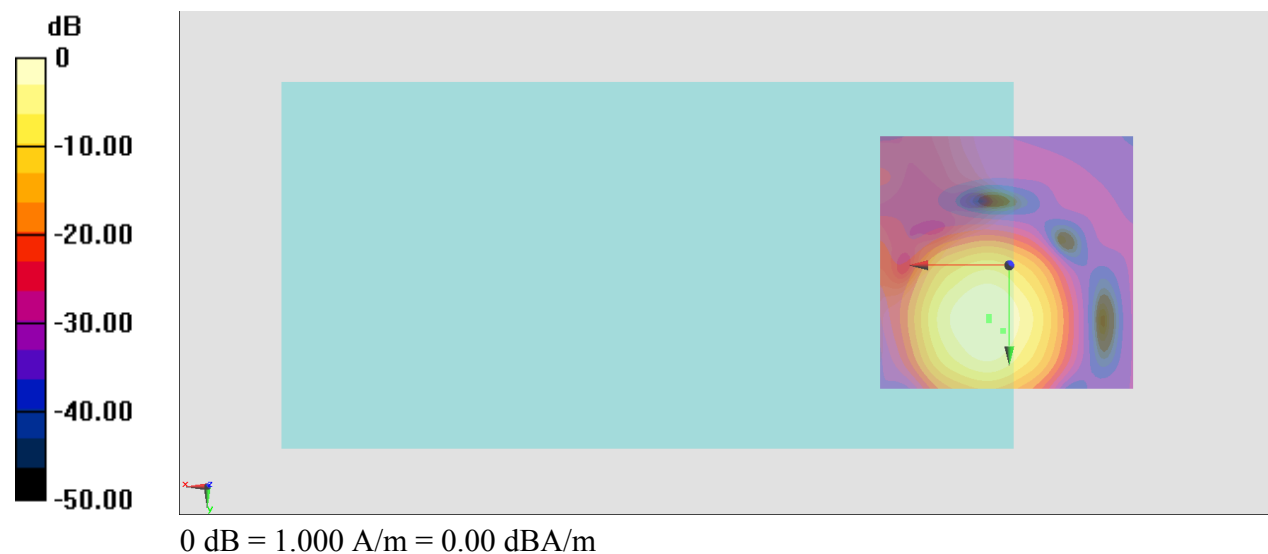
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.10 dB

ABM1 comp = -0.23 dBA/m

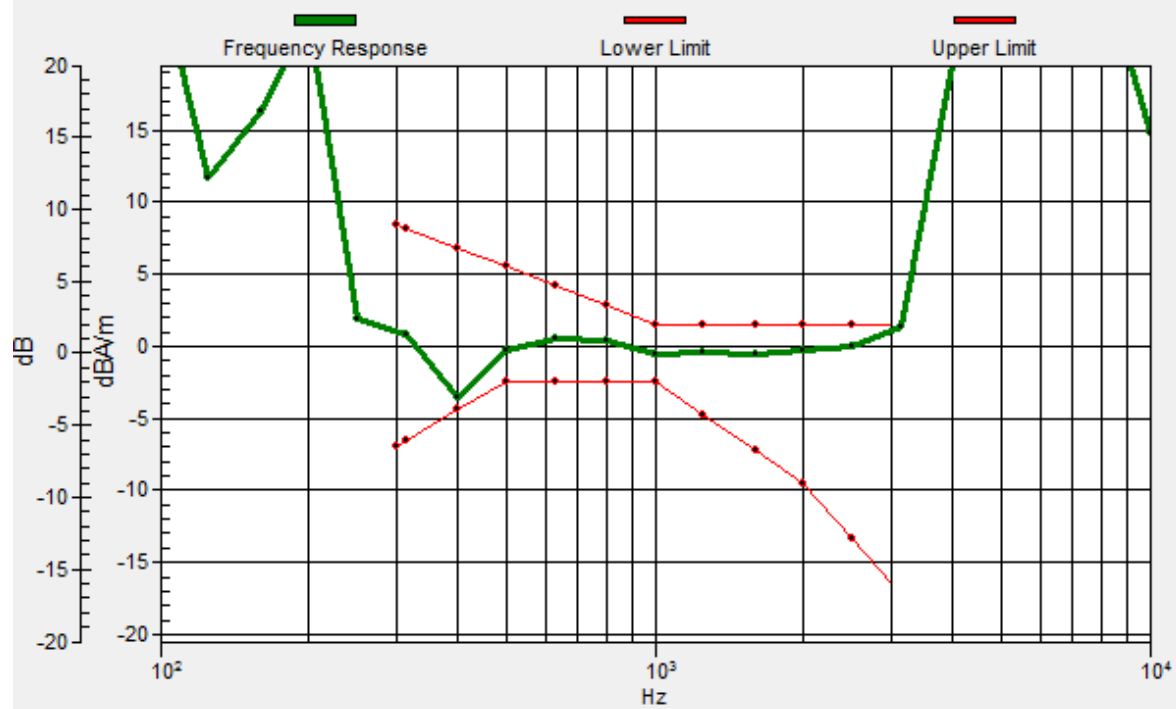
BWC Factor = 0.15 dB

Location: 1.2, 12.8, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.52dB



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

Communication System: LTE ; Frequency: 2595 MHz;Duty Cycle: 1:1.59

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

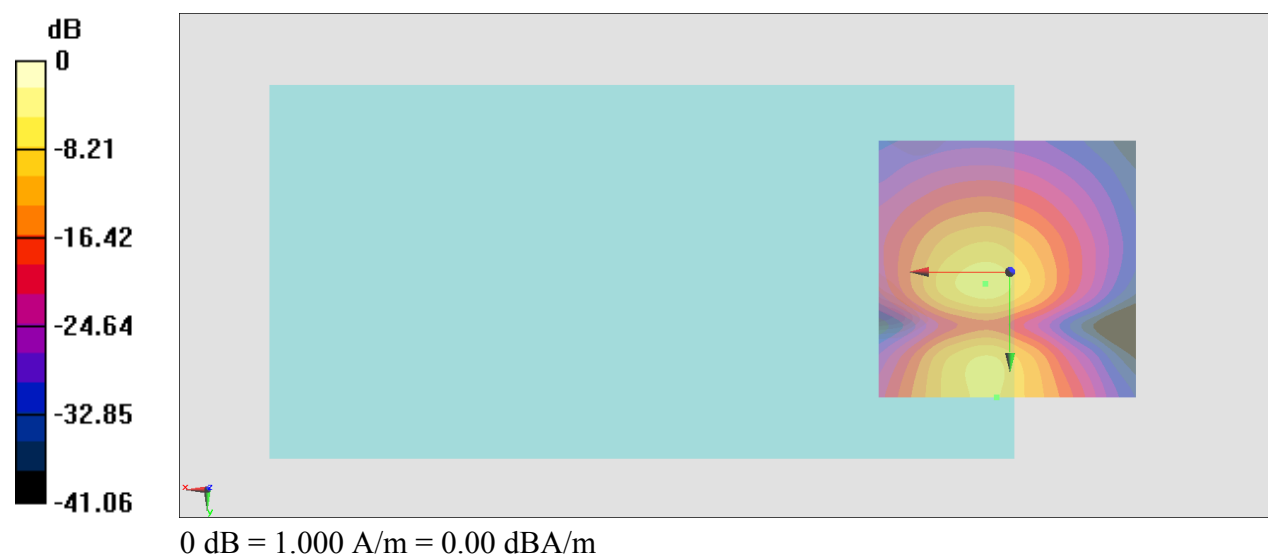
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.83 dB

ABM1 comp = -7.94 dBA/m

BWC Factor = 0.15 dB

Location: 2.6, 24, 3.7 mm



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

Communication System: LTE ; Frequency: 2593 MHz;Duty Cycle: 1:1.59

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

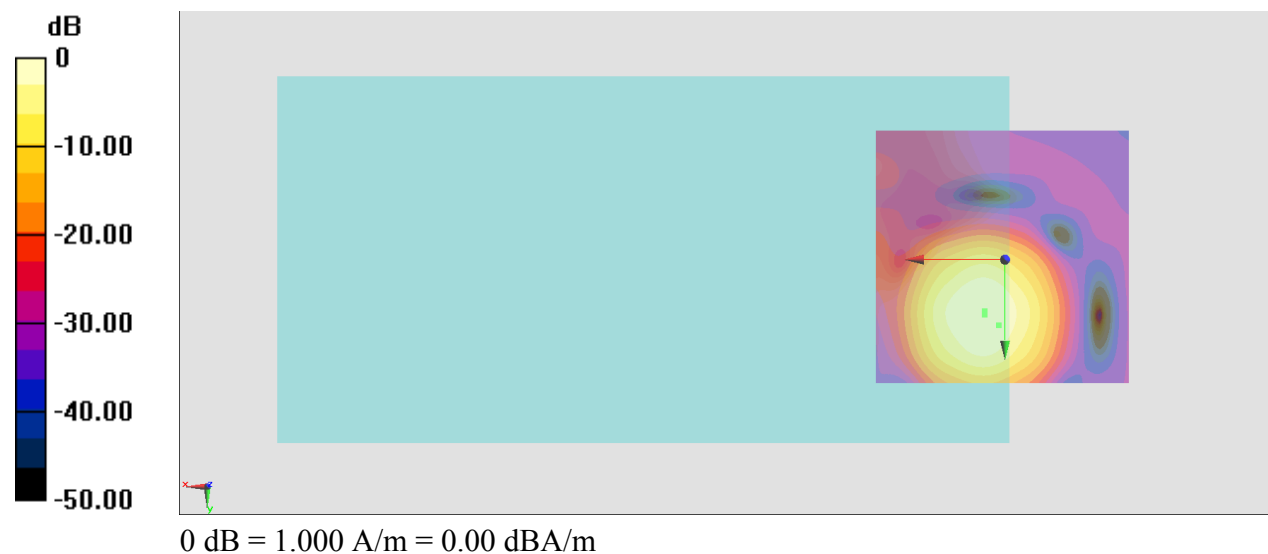
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.20 dB

ABM1 comp = -0.05 dBA/m

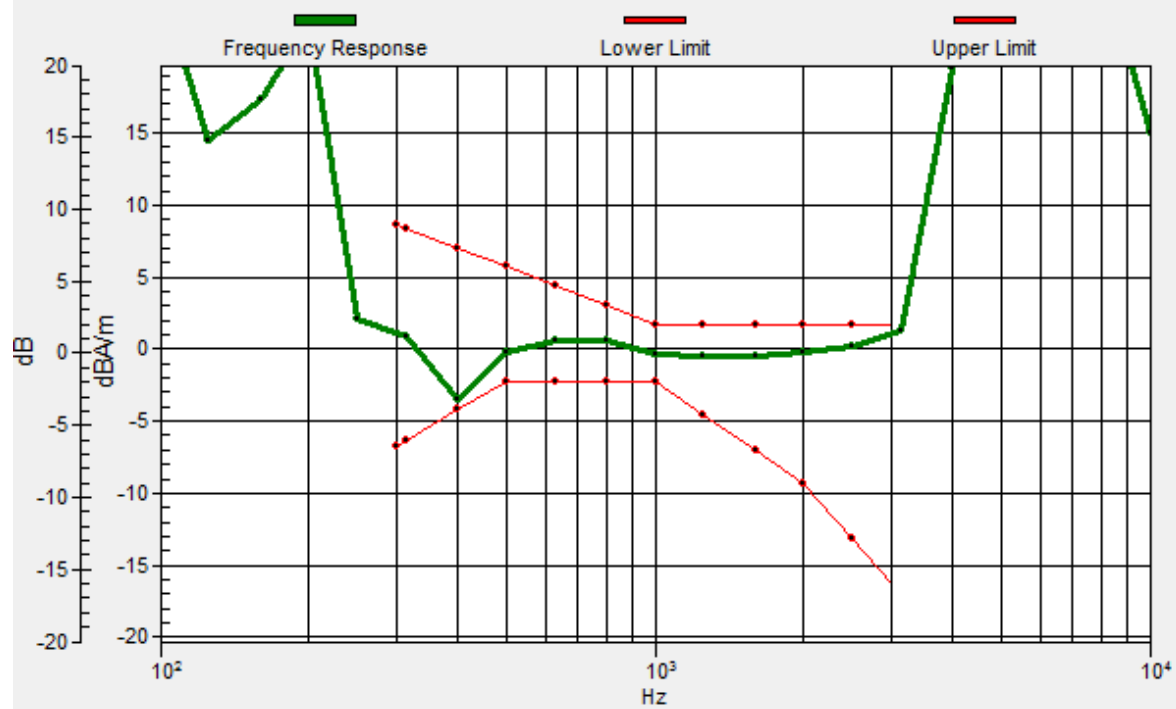
BWC Factor = 0.15 dB

Location: 1.2, 12.8, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.63dB



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

Communication System: LTE ; Frequency: 2593 MHz;Duty Cycle: 1:1.59

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)**

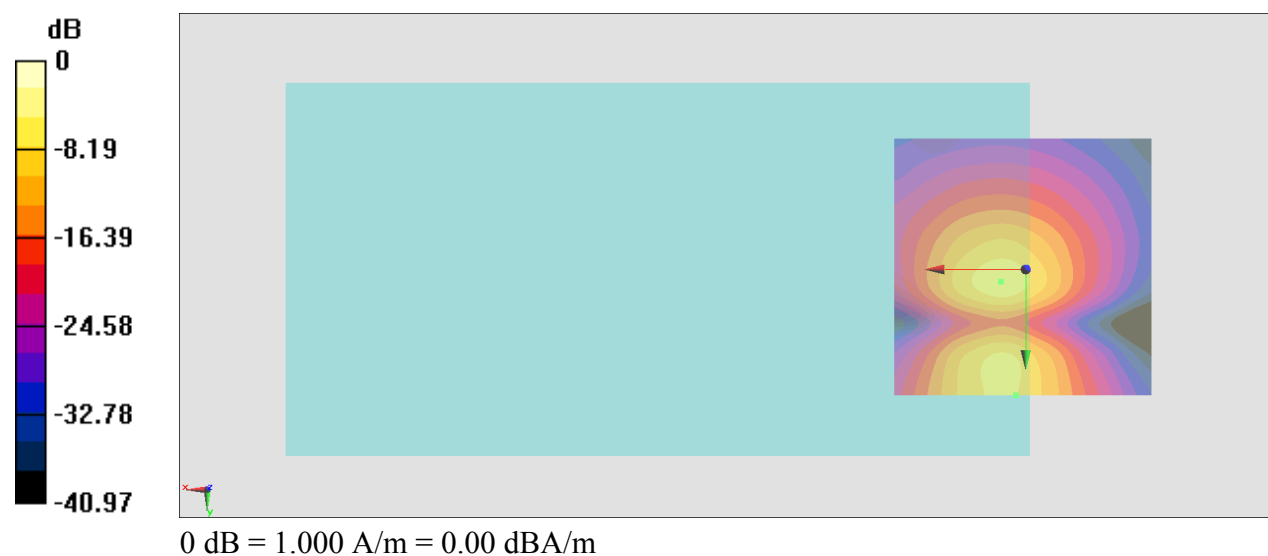
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.83 dB

ABM1 comp = -7.97 dBA/m

BWC Factor = 0.15 dB

Location: 1.9, 24, 3.7 mm



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

Communication System: LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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):**

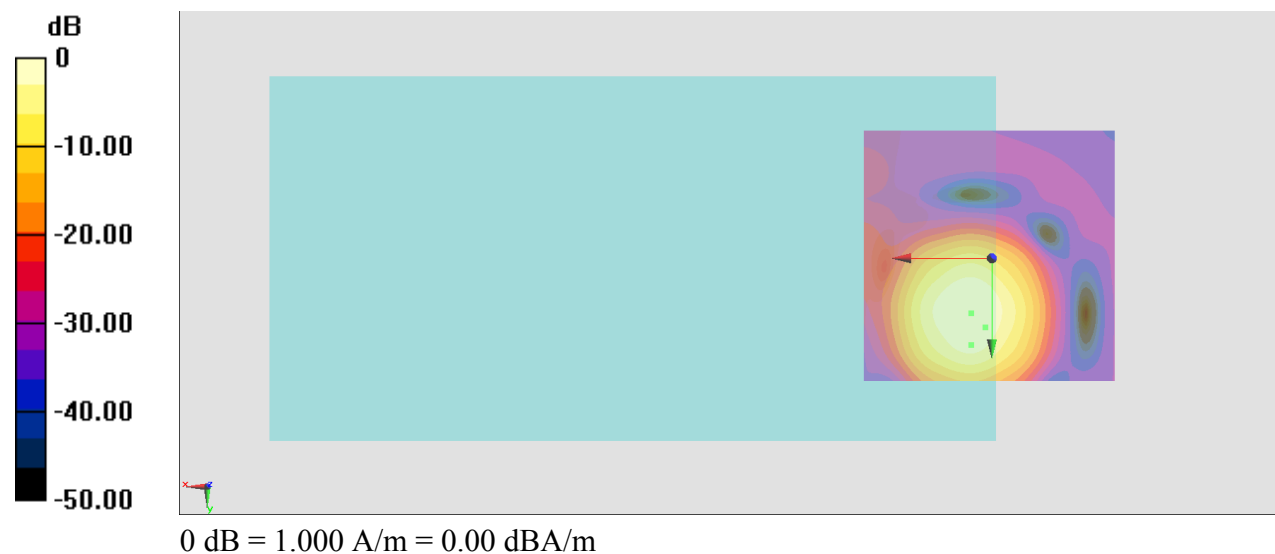
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.10 dB

ABM1 comp = -0.58 dBA/m

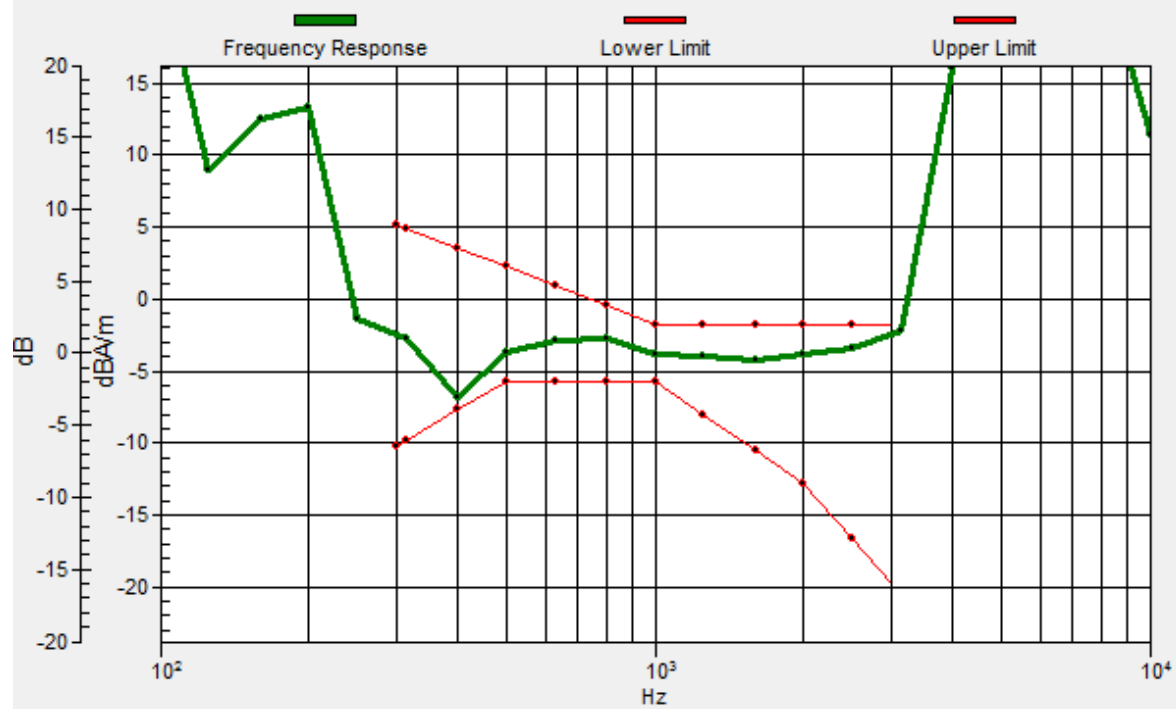
BWC Factor = 0.15 dB

Location: 1.2, 13.5, 3.7 mm



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

Loc: 4, 17, 3.7 mm Diff: 0.72dB



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

Communication System: LTE ; Frequency: 1745 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3130; ; Calibrated: 2016/11/16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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 = 32.30 dB

ABM1 comp = -7.54 dBA/m

BWC Factor = 0.15 dB

Location: 2.6, 19.8, 3.7 mm

