

**#01\_HAC\_T-Coil\_GSM850\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

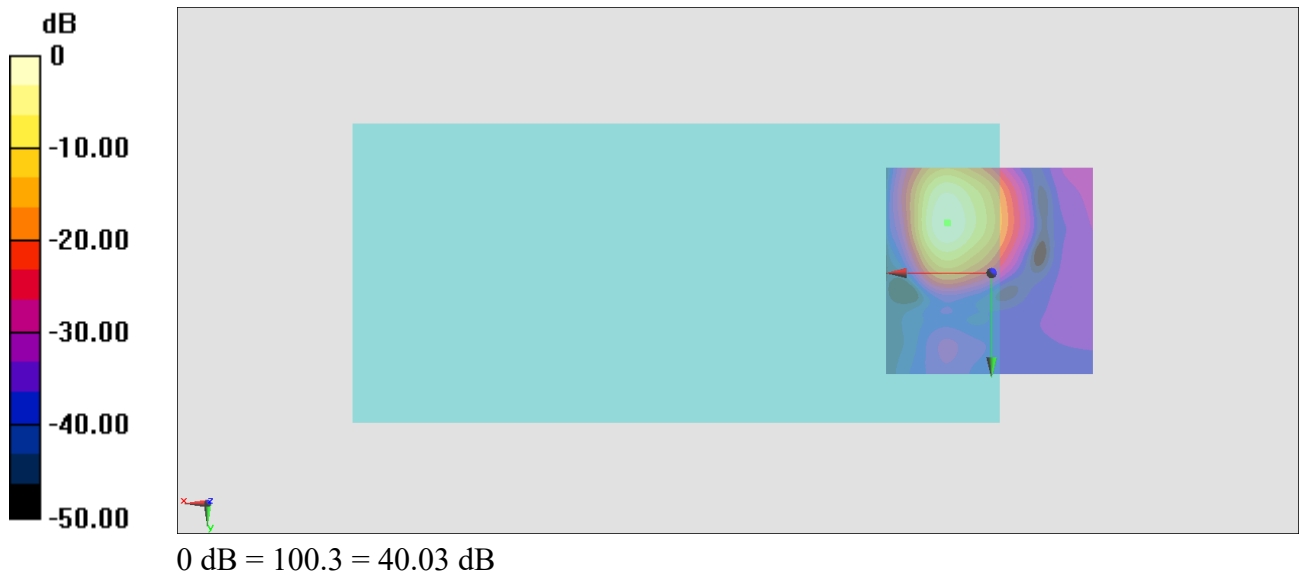
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 40.03 dB

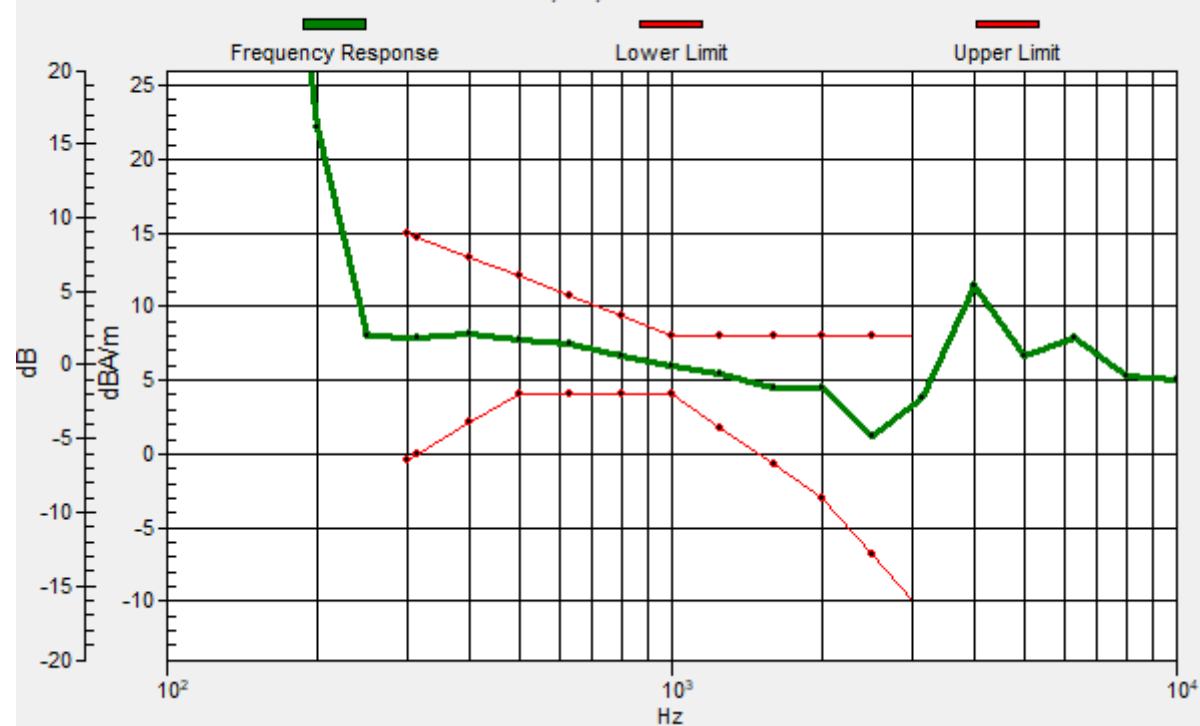
ABM1 comp = 4.97 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.6, -12, 3.7 mm Diff: 2dB



**#01\_HAC\_T-Coil\_GSM850\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 35.63 dB

ABM1 comp = -7.52 dBA/m

Location: 6.1, 2.3, 3.7 mm



**#02\_HAC\_T-Coil\_GSM1900\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 40.66 dB

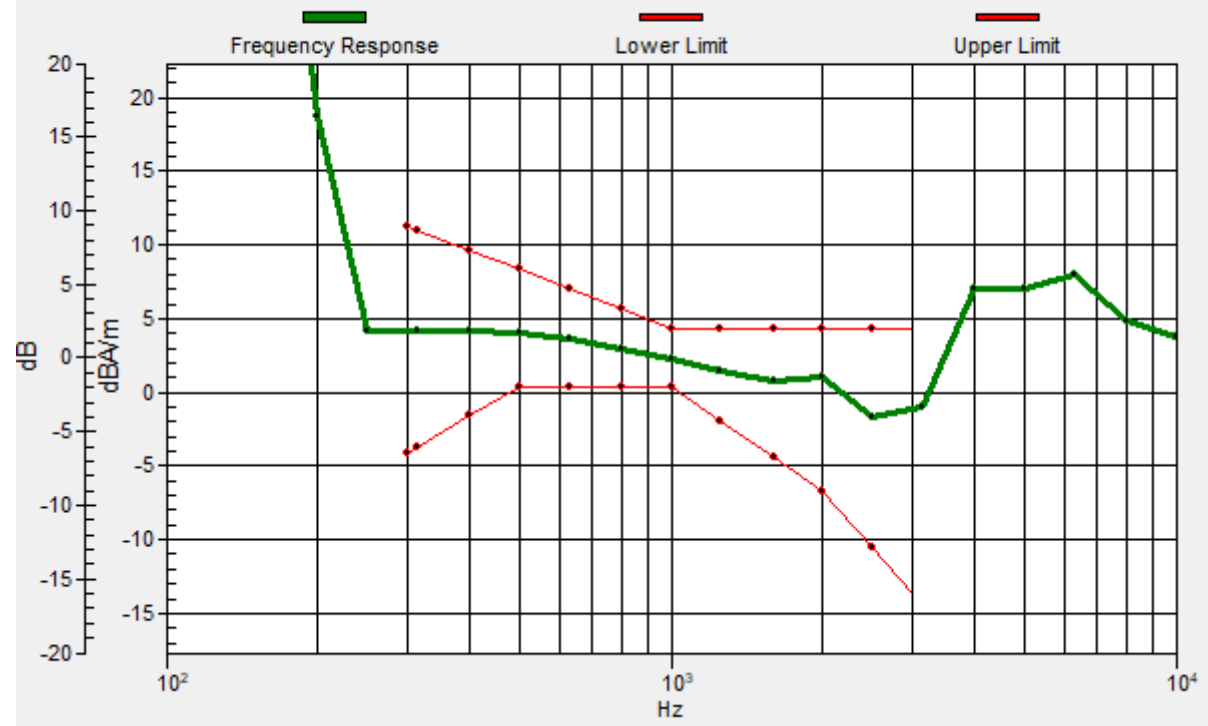
ABM1 comp = 0.96 dBA/m

Location: 4.7, -14.5, 3.7 mm



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

Loc: 4.5, -14.8, 3.7 mm Diff: 2dB



**#02\_HAC\_T-Coil\_GSM1900\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

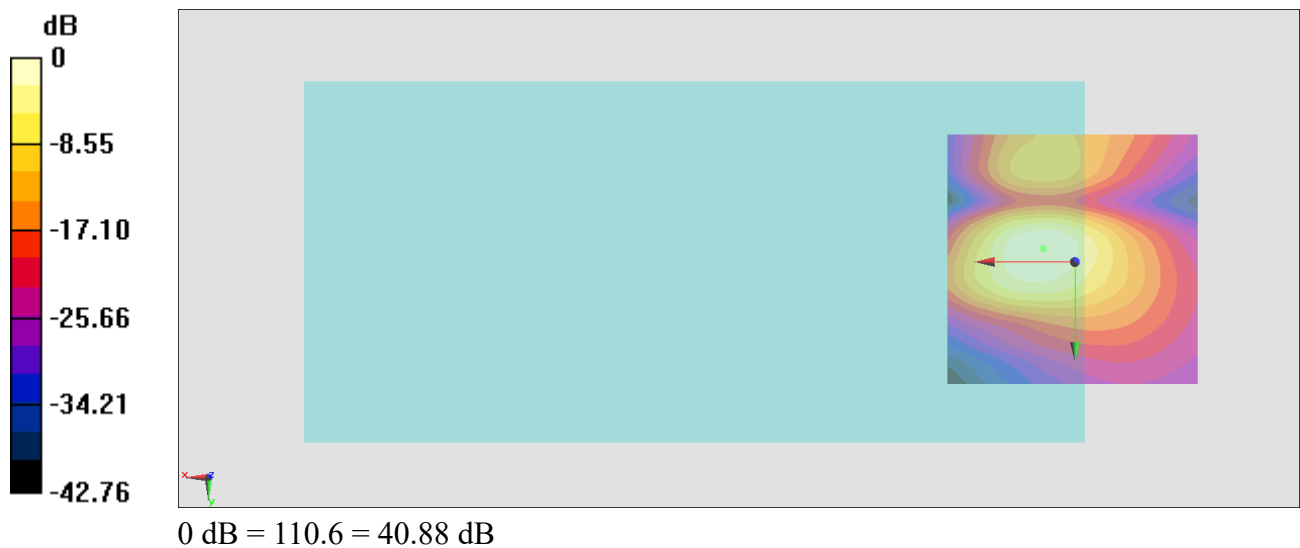
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 40.87 dB

ABM1 comp = -4.45 dBA/m

Location: 6.1, -2.6, 3.7 mm



**#03\_HAC\_T-Coil\_WCDMA II\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

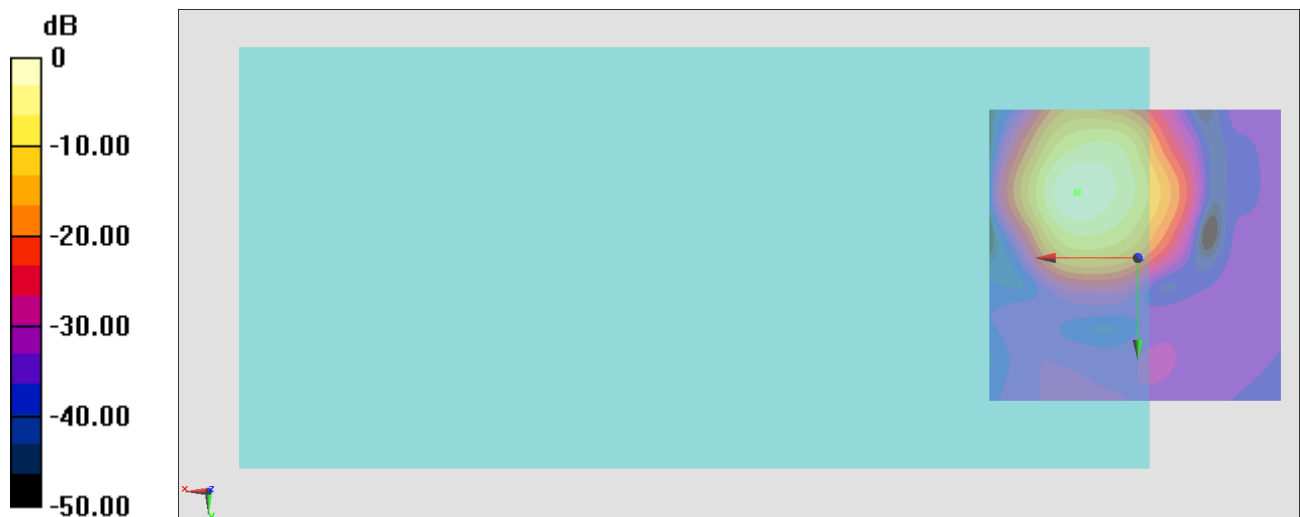
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 54.40 dB

ABM1 comp = 4.54 dBA/m

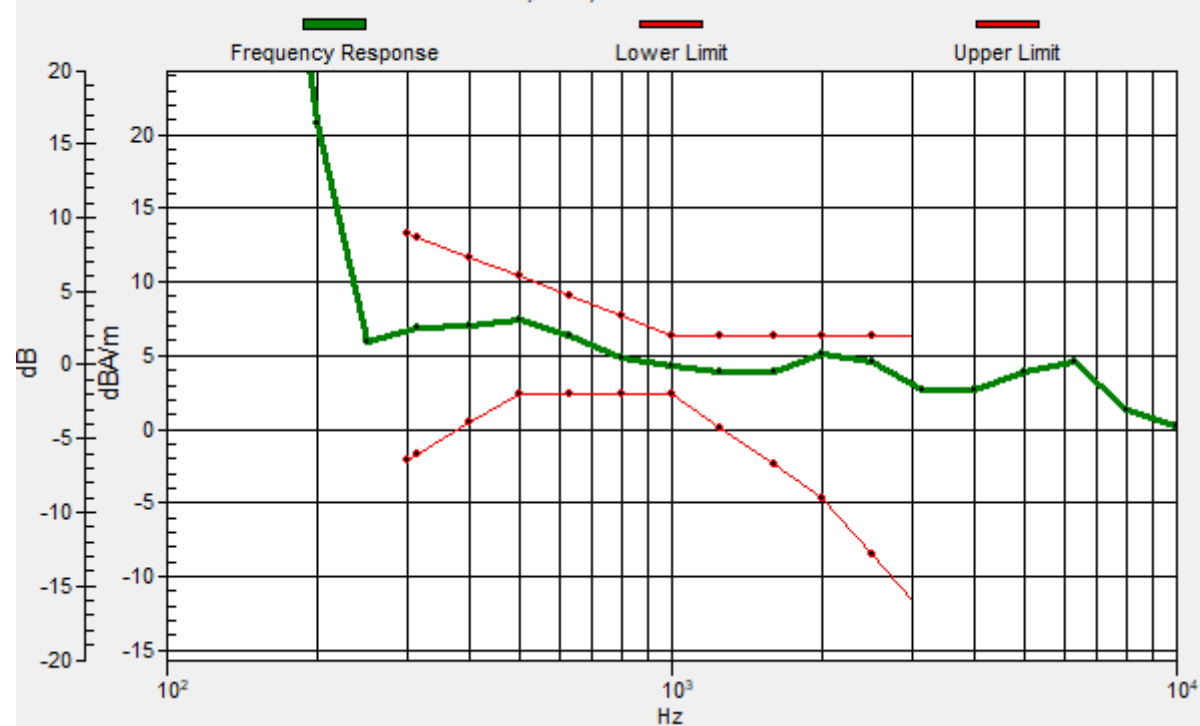
Location: 10.3, -11, 3.7 mm



0 dB = 524.6 = 54.40 dB

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

Loc: 10.1, -11.1, 3.7 mm Diff: 1.27dB



**#03\_HAC\_T-Coil\_WCDMA II\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 47.20 dB

ABM1 comp = -3.62 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#04\_HAC\_T-Coil\_WCDMA IV\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

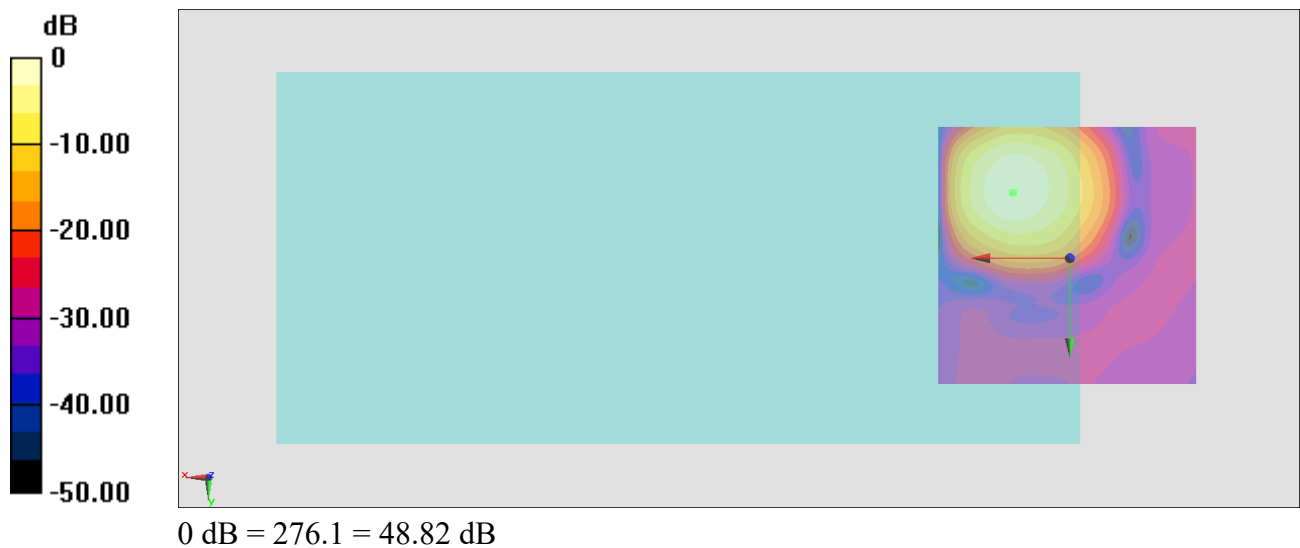
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 48.82 dB

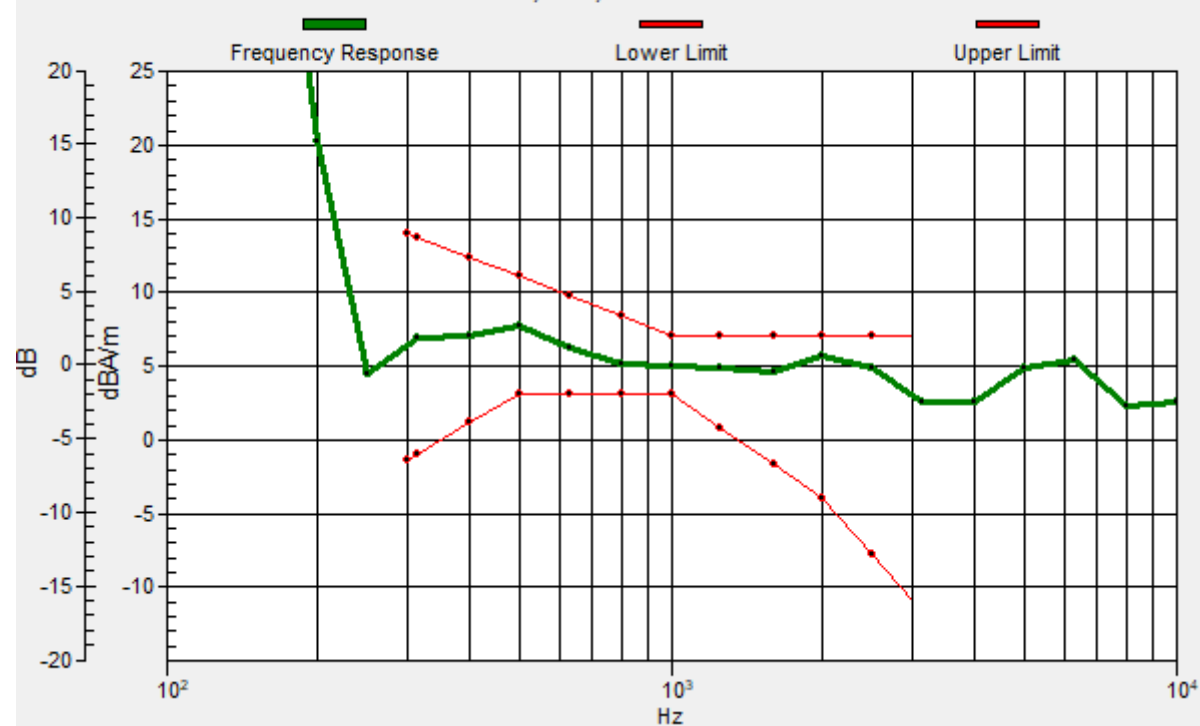
ABM1 comp = 4.74 dBA/m

Location: 11, -12.4, 3.7 mm



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

Loc: 10.7, -12.5, 3.7 mm Diff: 1.4dB



**#04\_HAC\_T-Coil\_WCDMA IV\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

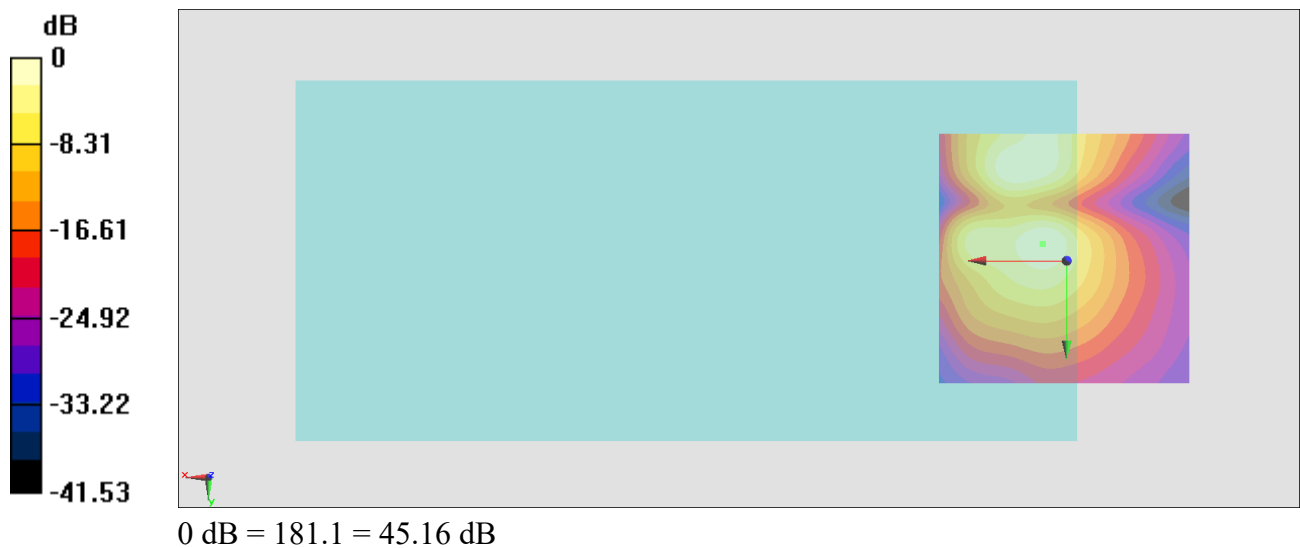
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 45.16 dB

ABM1 comp = -5.32 dBA/m

Location: 4.7, -3.3, 3.7 mm



**#05\_HAC\_T-Coil\_WCDMA V\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

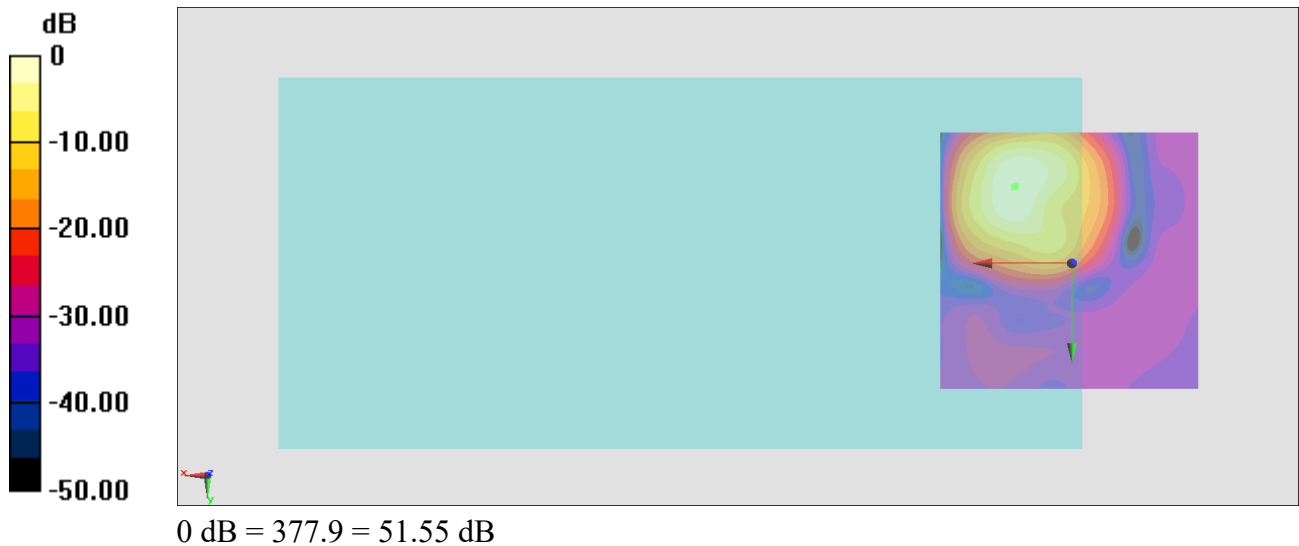
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 51.55 dB

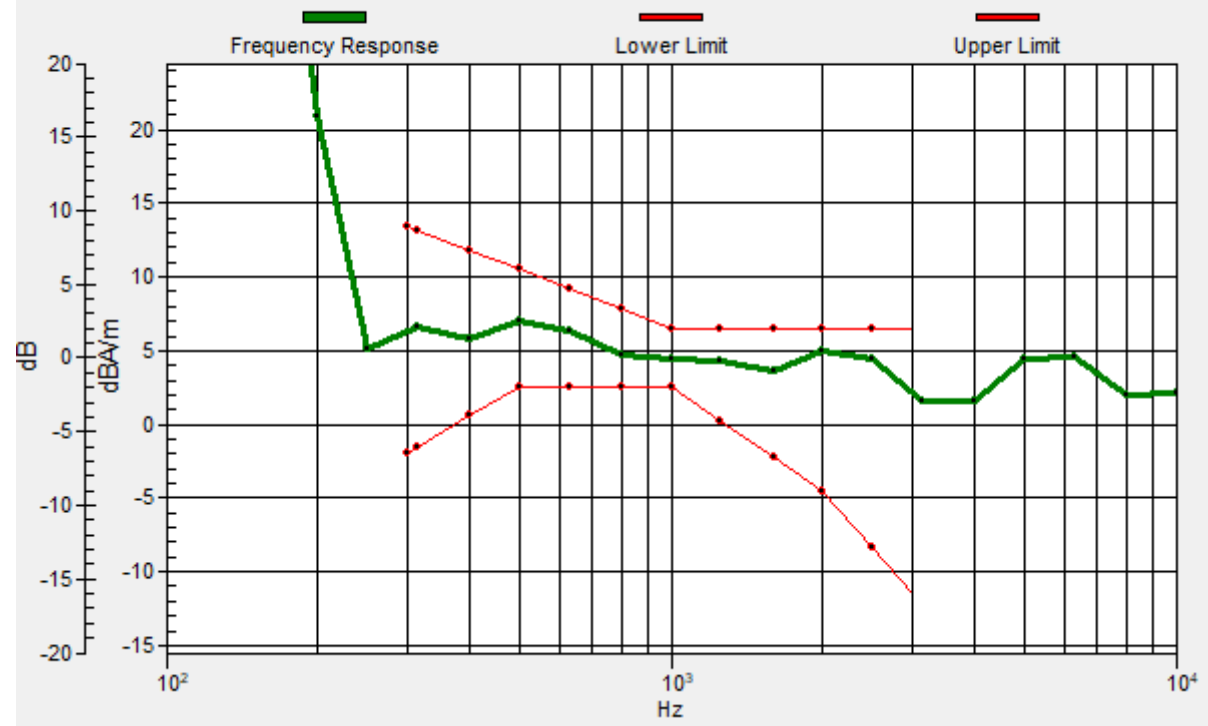
ABM1 comp = 4.11 dBA/m

Location: 11, -14.5, 3.7 mm



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

Loc: 10.7, -14.8, 3.7 mm Diff: 1.5dB



**#05\_HAC\_T-Coil\_WCDMA V\_Voice\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

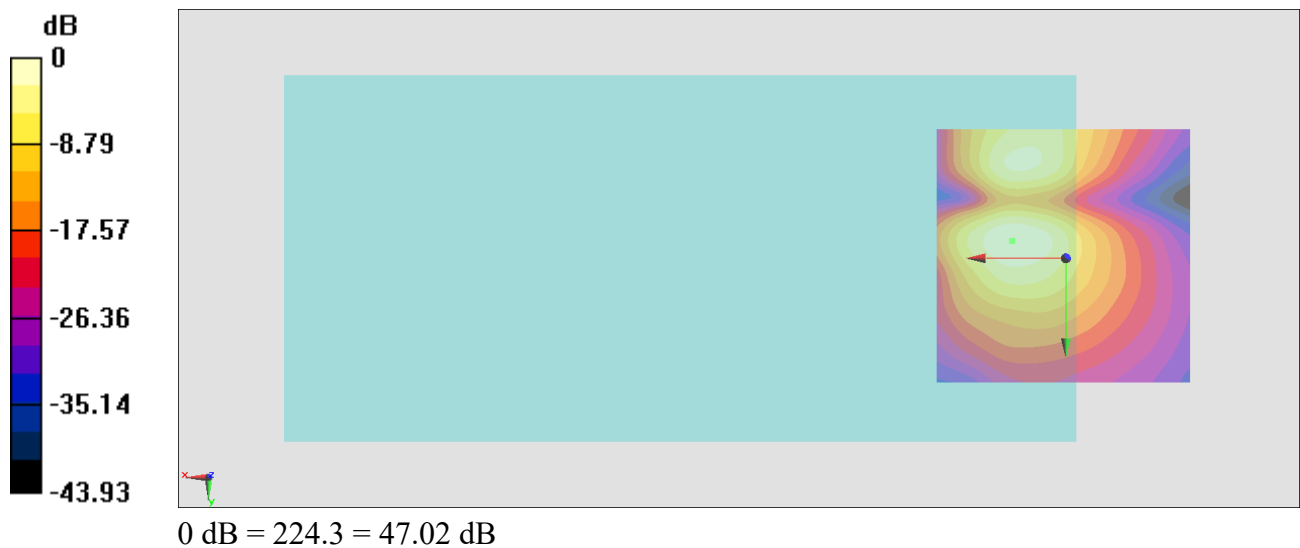
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 47.02 dB

ABM1 comp = -3.33 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#06\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 46.54 dB

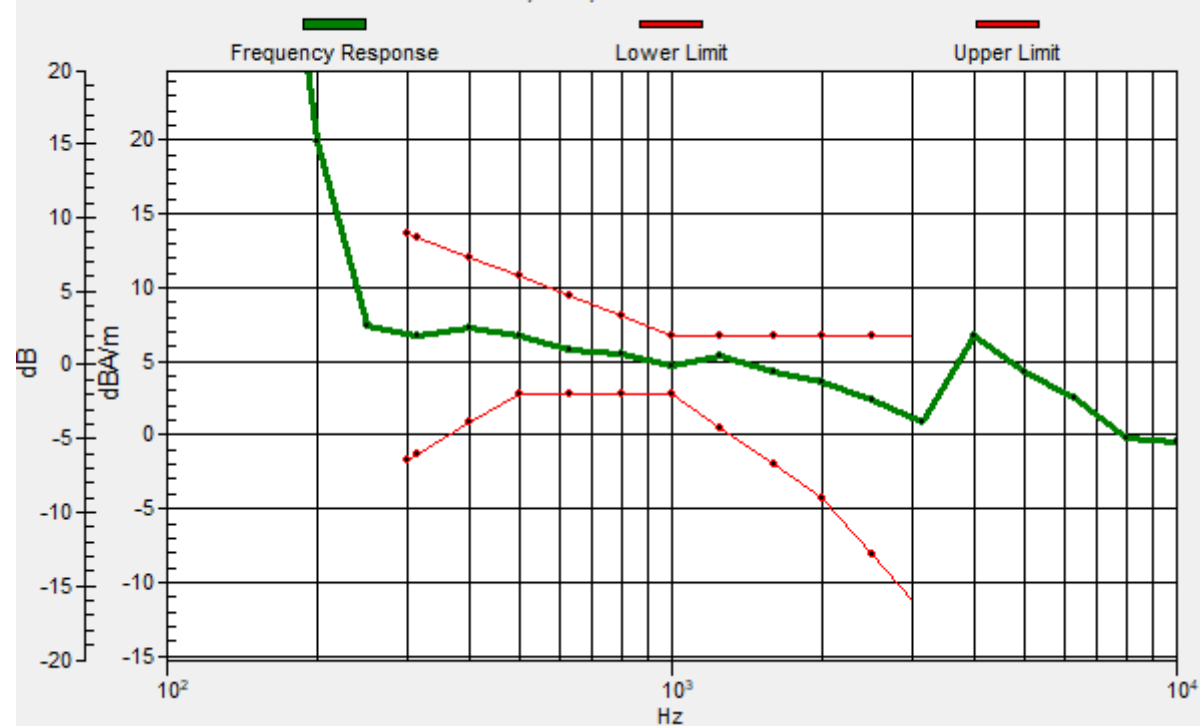
ABM1 comp = -0.52 dBA/m

Location: 10.3, -14.5, 3.7 mm



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

Loc: 10.2, -14.4, 3.7 mm Diff: 1.39dB



**#06\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

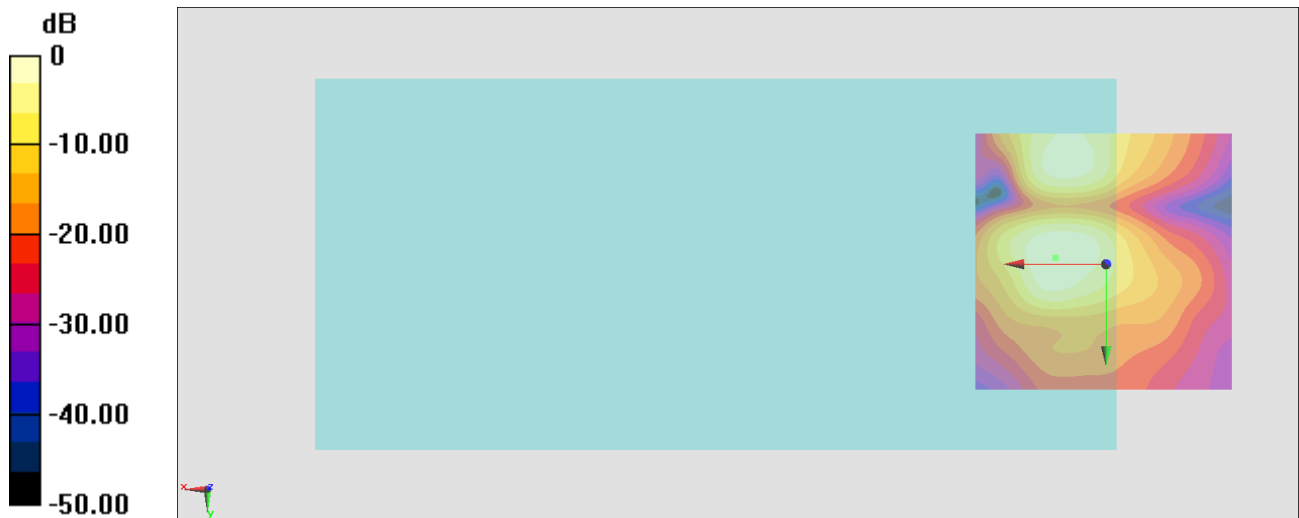
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 43.65 dB

ABM1 comp = -7.18 dBA/m

Location: 9.6, -1.2, 3.7 mm



0 dB = 152.2 = 43.65 dB

**#07\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Axial (Z)**

Communication System: LTE; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 47.09 dB

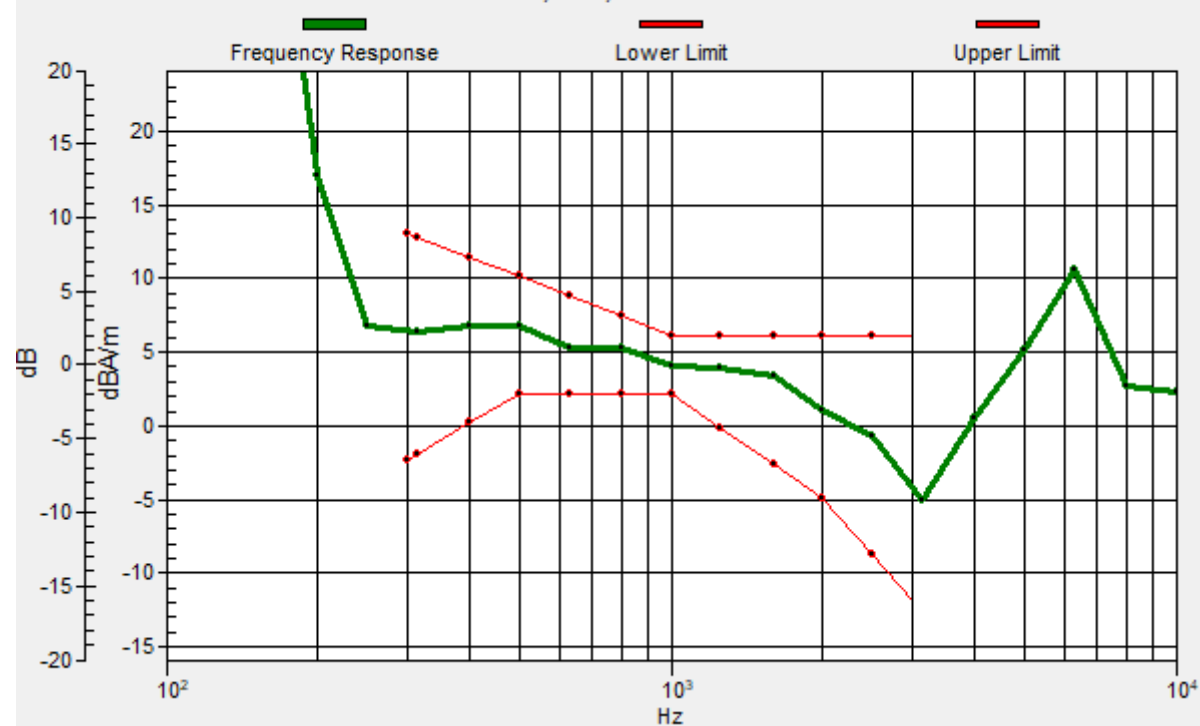
ABM1 comp = -1.62 dBA/m

Location: 11, -11, 3.7 mm



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

Loc: 11.2, -11.2, 3.7 mm Diff: 2dB



**#07\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Transversal (Y)**

Communication System: LTE; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 39.58 dB

ABM1 comp = -10.20 dBA/m

Location: 11, -2.6, 3.7 mm



**#08\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 44.46 dB

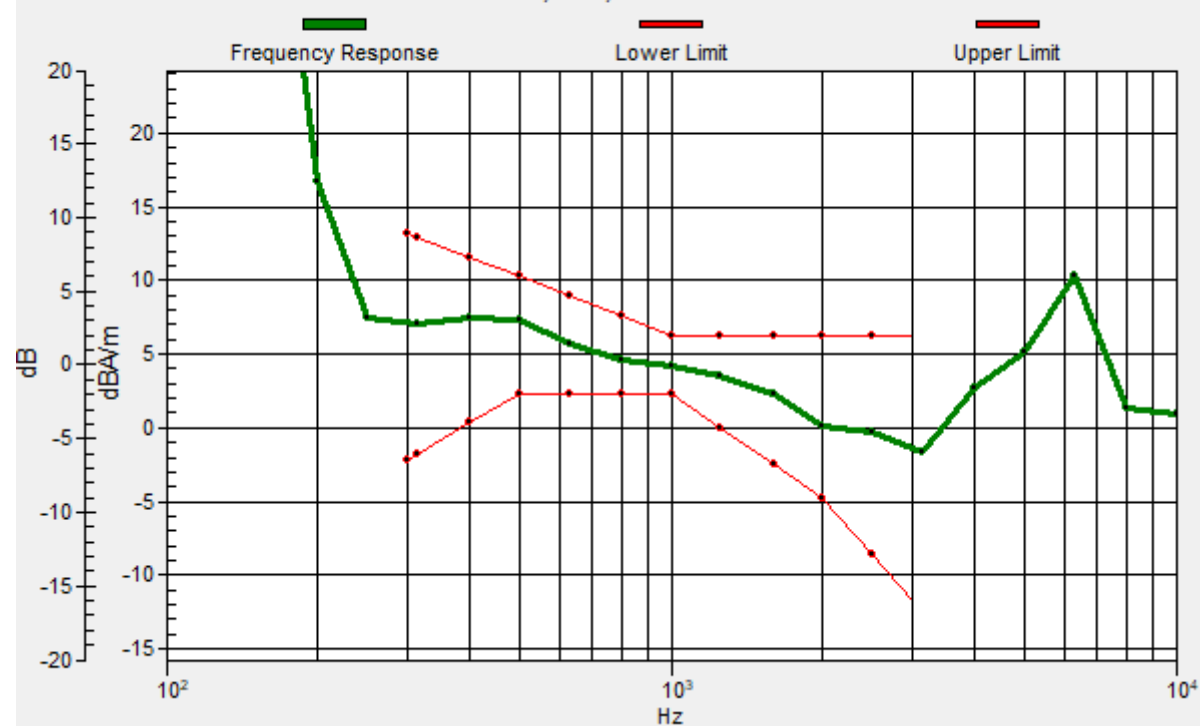
ABM1 comp = 0.79 dBA/m

Location: 11, -12.4, 3.7 mm



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

Loc: 11.1, -12.7, 3.7 mm Diff: 2dB



**#08\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

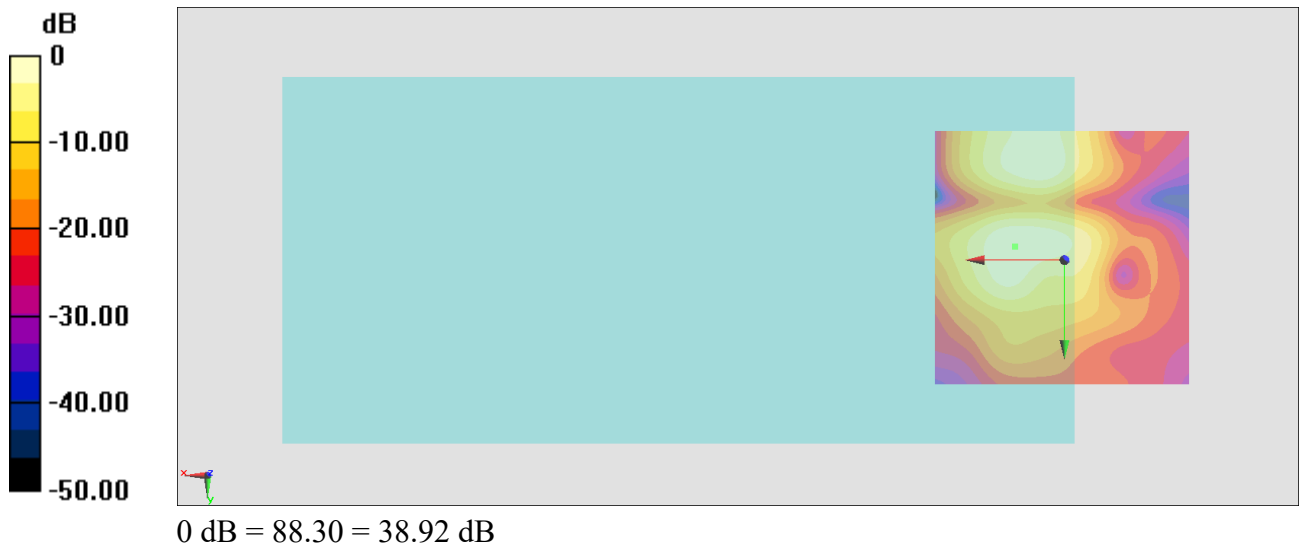
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 38.92 dB

ABM1 comp = -10.70 dBA/m

Location: 9.6, -2.6, 3.7 mm



**#09\_HAC\_T-Coil\_LTE Band 14\_10M\_QPSK\_1\_0\_Ch23330\_Axial (Z)**

Communication System: LTE; Frequency: 793 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 45.19 dB

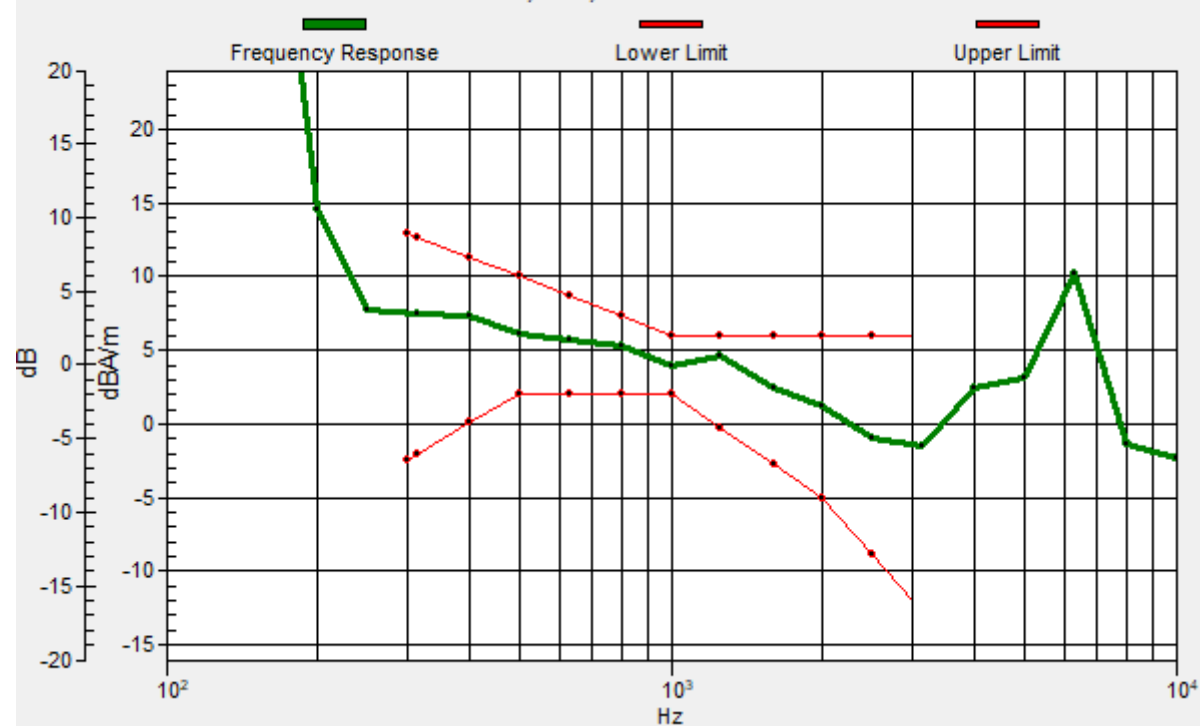
ABM1 comp = -1.90 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.6, -12.6, 3.7 mm Diff: 1.39dB



**#09\_HAC\_T-Coil\_LTE Band 14\_10M\_QPSK\_1\_0\_Ch23330\_Transversal (Y)**

Communication System: LTE; Frequency: 793 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

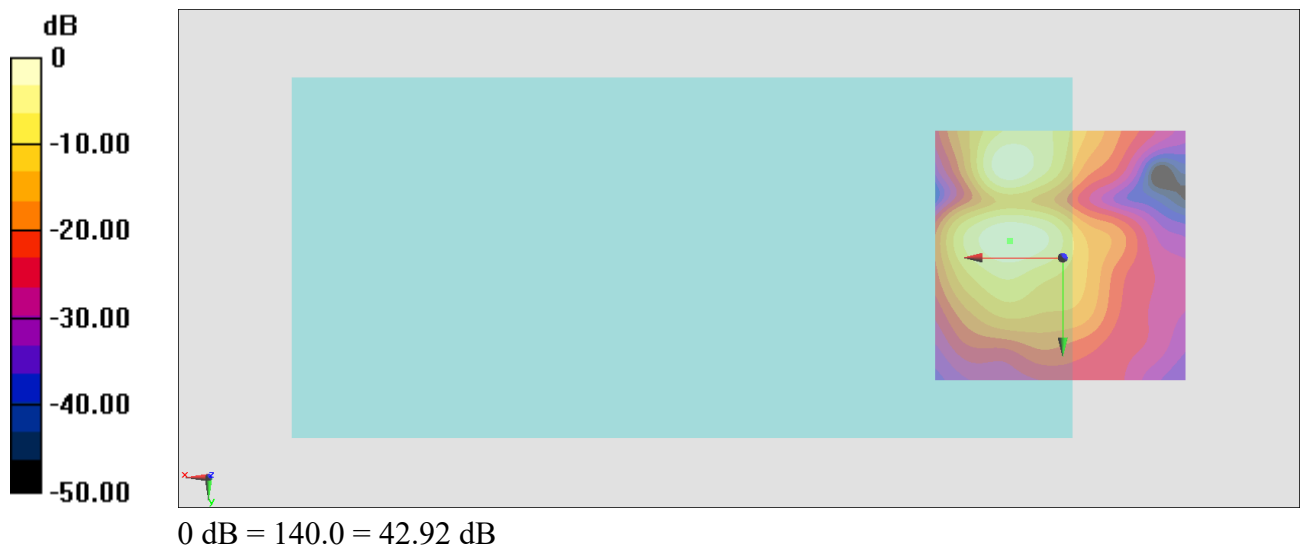
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 42.92 dB

ABM1 comp = -7.35 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#10\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

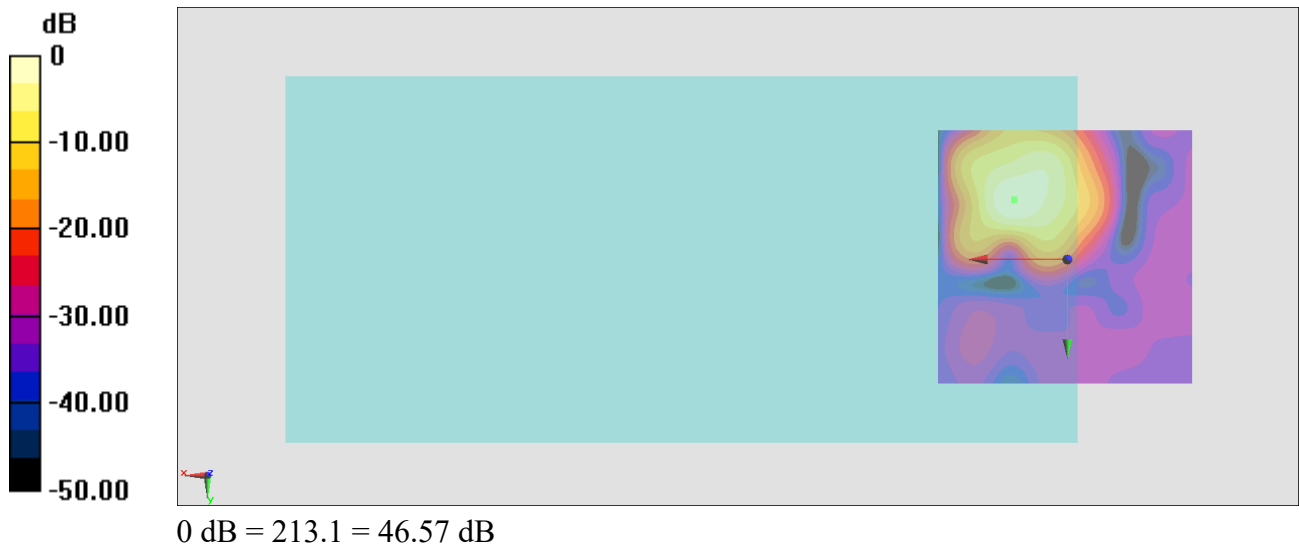
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 46.57 dB

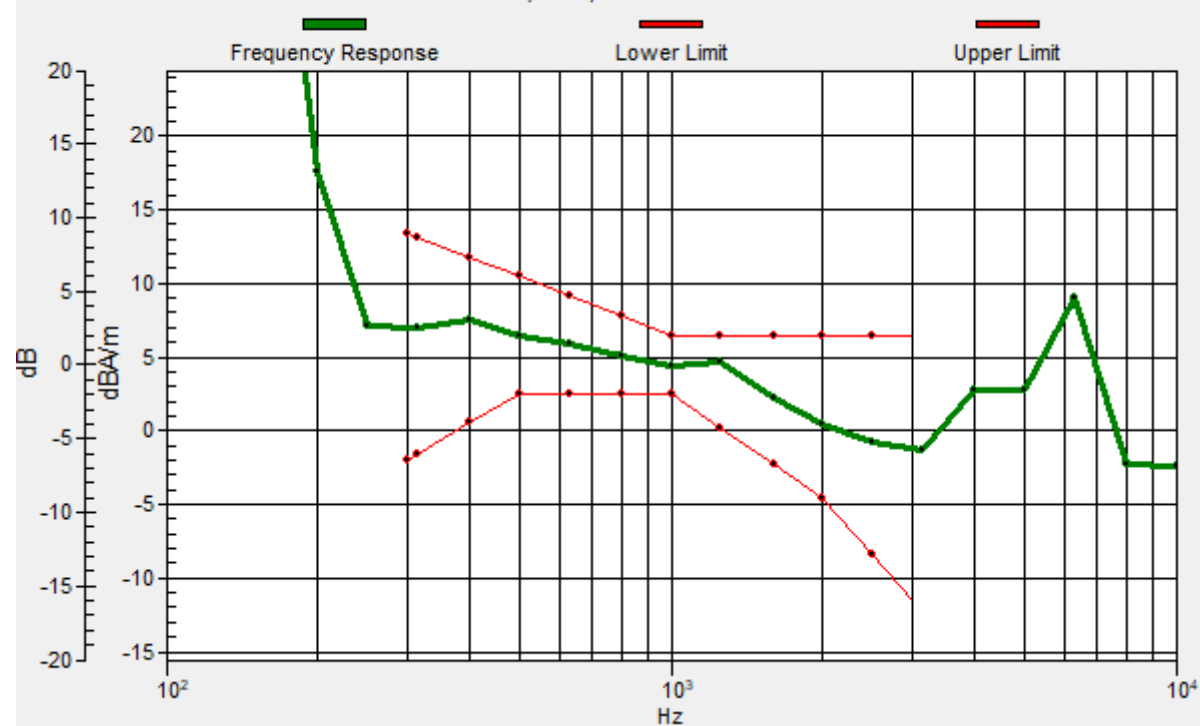
ABM1 comp = 1.79 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.2, -11.5, 3.7 mm Diff: 1.77dB



**#10\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

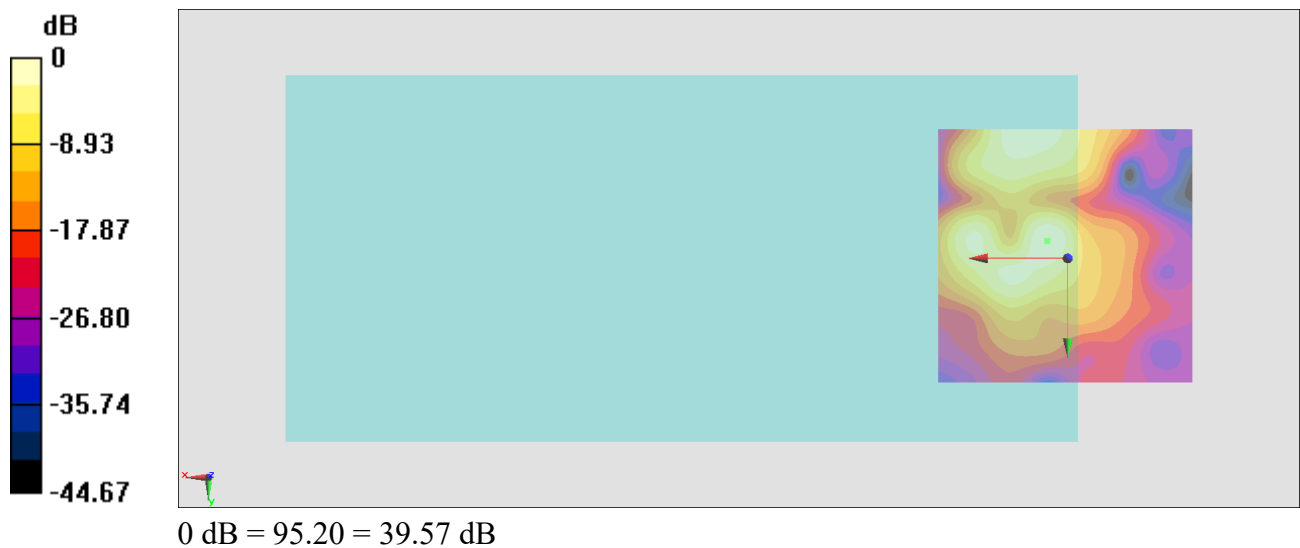
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 39.57 dB

ABM1 comp = -10.92 dBA/m

Location: 4, -3.3, 3.7 mm



**#11\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1\_0\_Ch26865\_Axial (Z)**

Communication System: LTE; Frequency: 831.5 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 40.94 dB

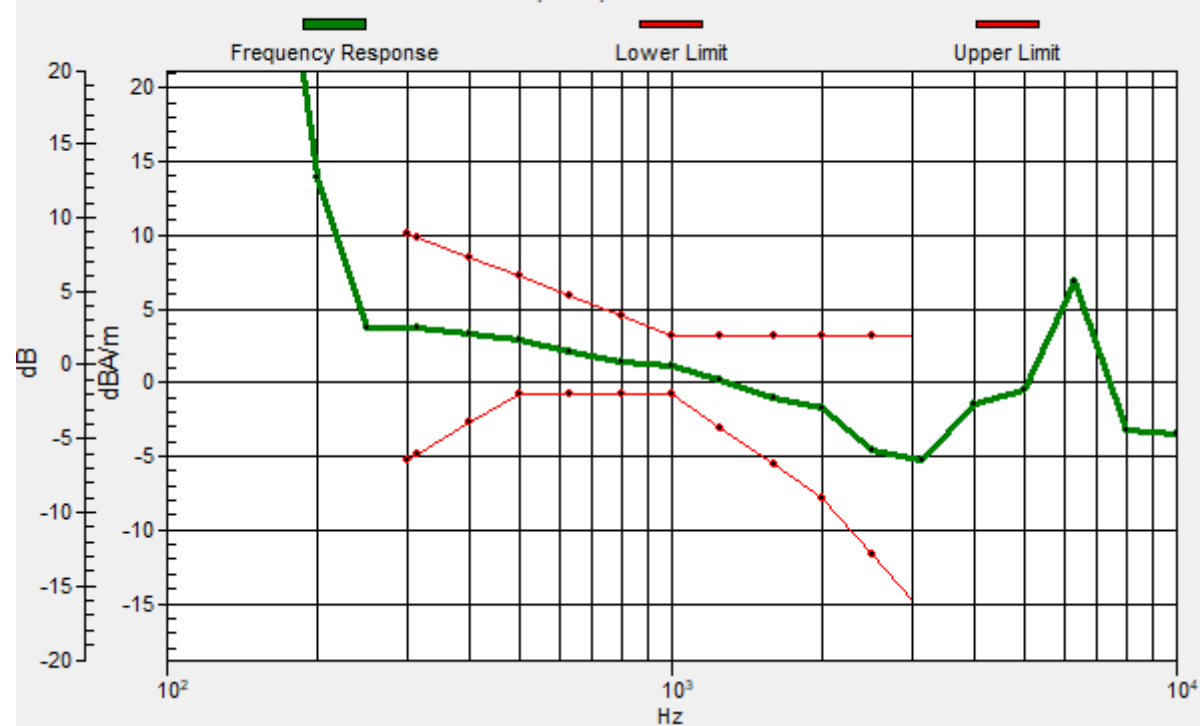
ABM1 comp = -4.22 dBA/m

Location: 4, -12.4, 3.7 mm



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

Loc: 4.1, -12.2, 3.7 mm Diff: 2dB



**#11\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1\_0\_Ch26865\_Transversal (Y)**

Communication System: LTE; Frequency: 831.5 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

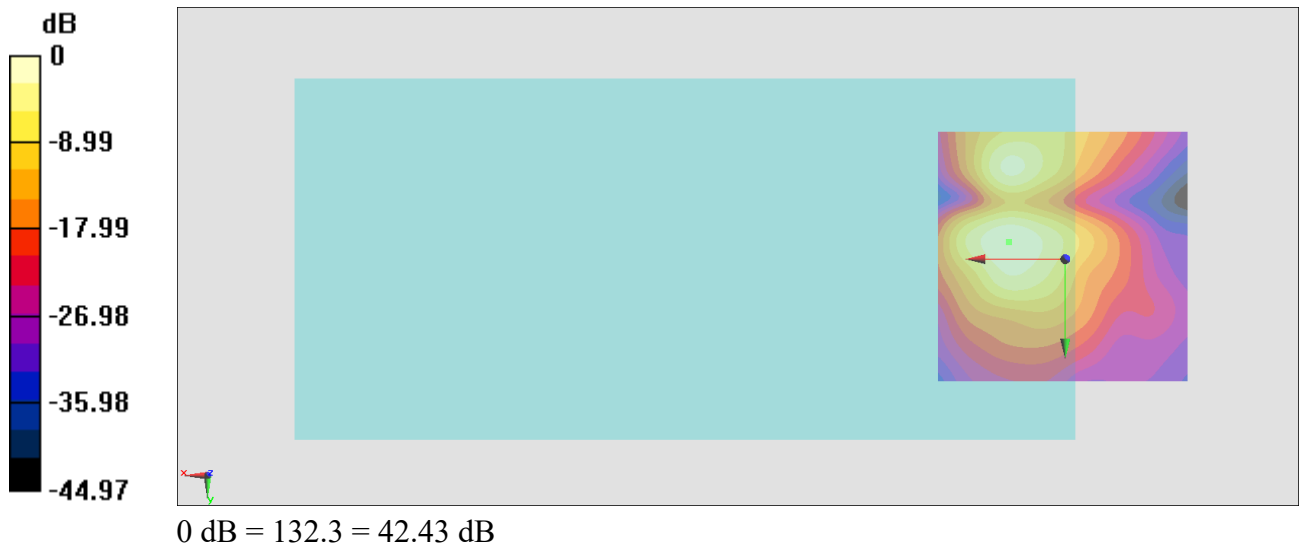
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 42.43 dB

ABM1 comp = -8.15 dBA/m

Location: 11, -3.3, 3.7 mm



**#12\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1\_0\_Ch27710\_Axial (Z)**

Communication System: LTE; Frequency: 2310 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 48.13 dB

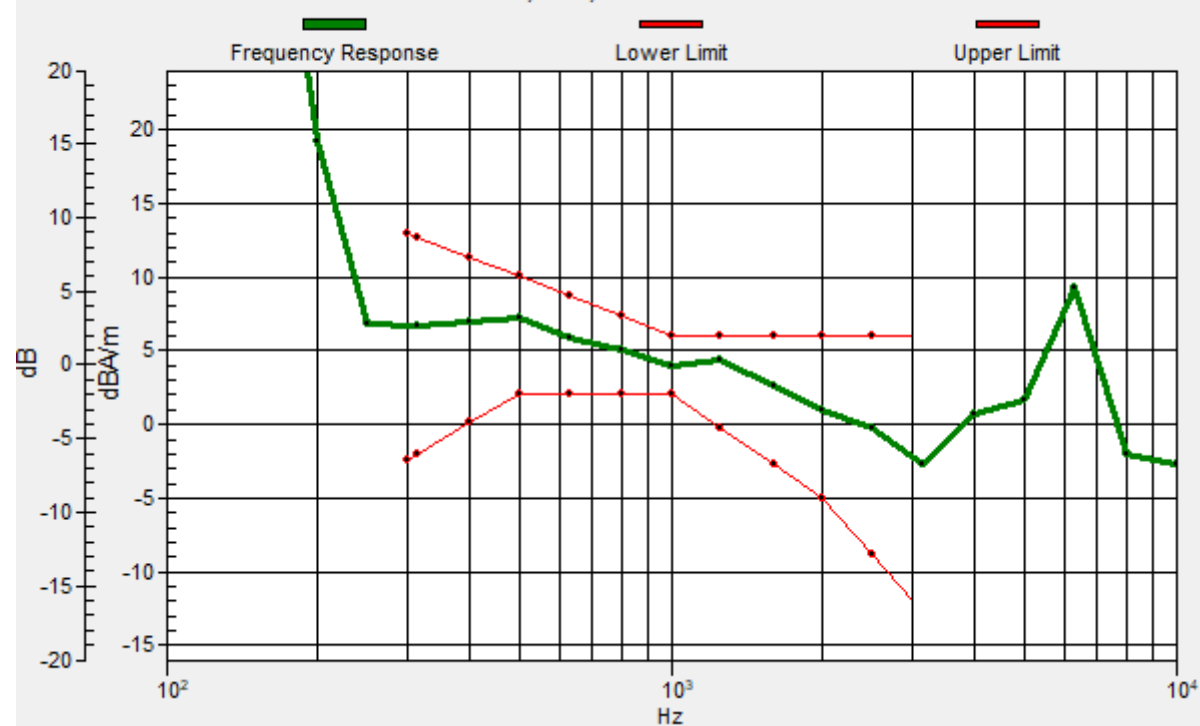
ABM1 comp = -0.28 dBA/m

Location: 11, -14.5, 3.7 mm



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

Loc: 10.9, -14.3, 3.7 mm Diff: 1.72dB



**#12\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1\_0\_Ch27710\_Transversal (Y)**

Communication System: LTE; Frequency: 2310 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 39.64 dB

ABM1 comp = -9.53 dBA/m

Location: 8.2, -3.3, 3.7 mm



**#13\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

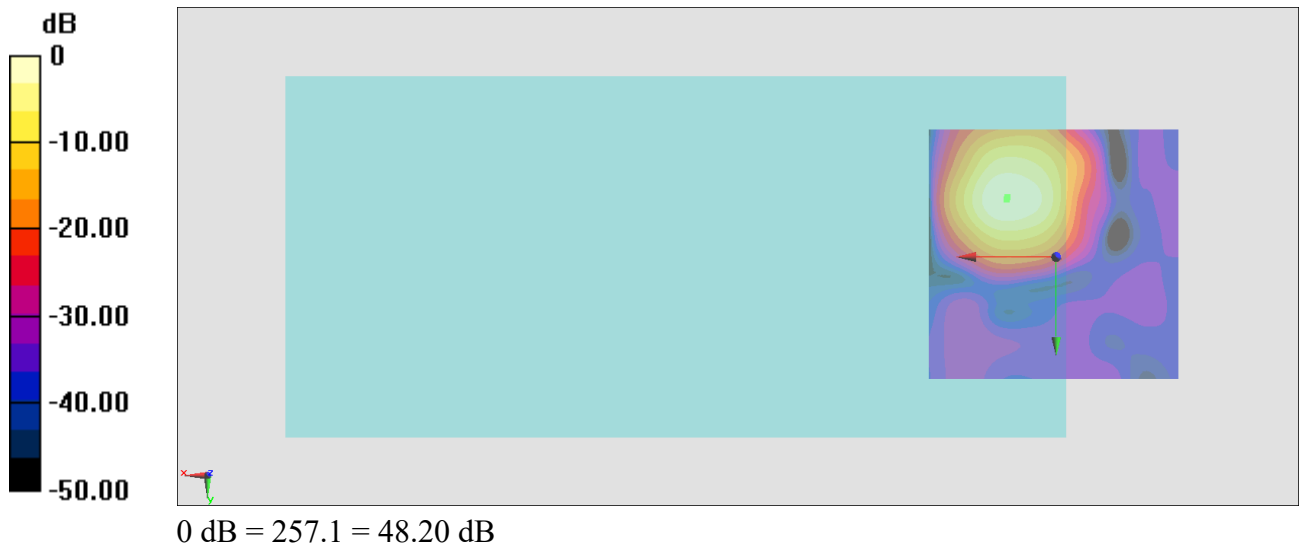
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 48.20 dB

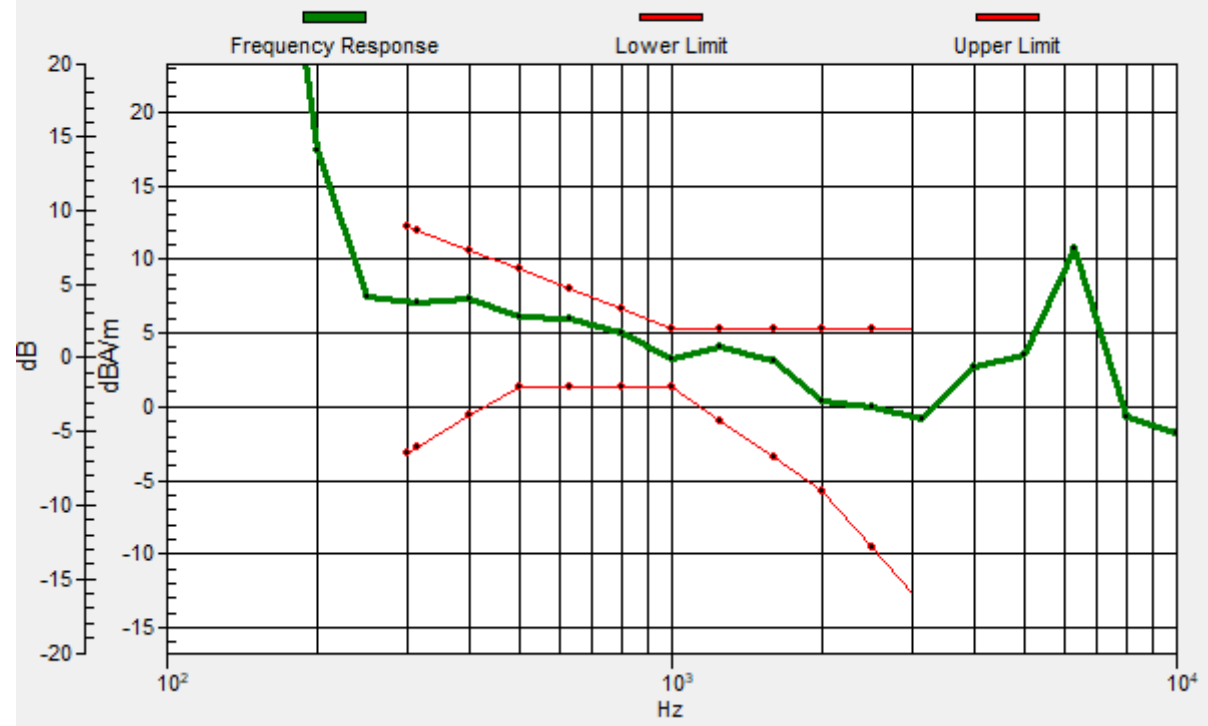
ABM1 comp = 0.92 dBA/m

Location: 9.6, -11.7, 3.7 mm



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

Loc: 9.7, -11.3, 3.7 mm Diff: 1.19dB



**#13\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 40.62 dB

ABM1 comp = -9.64 dBA/m

Location: 4.7, -3.3, 3.7 mm



**#14\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

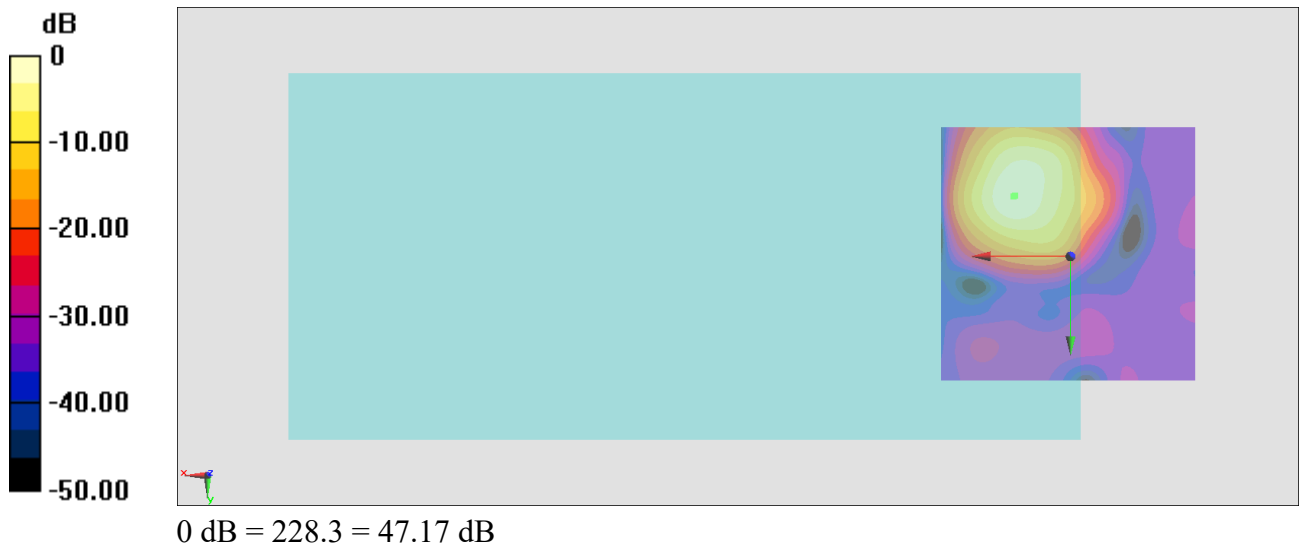
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 47.17 dB

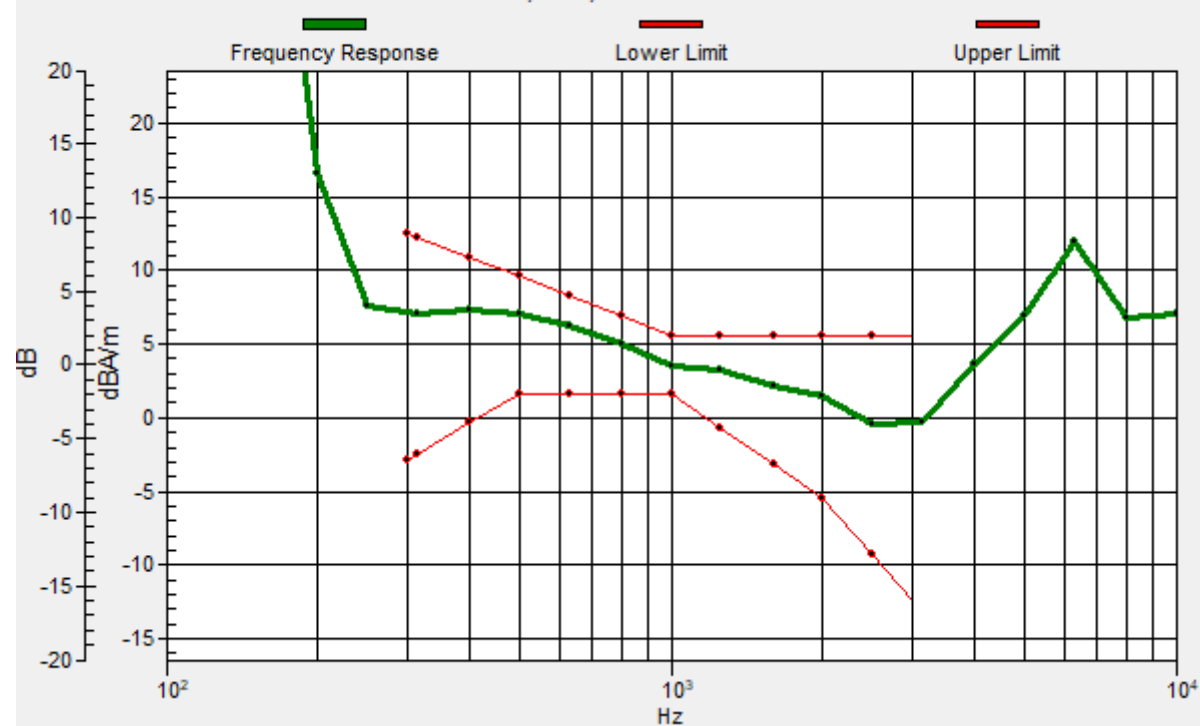
ABM1 comp = -1.35 dBA/m

Location: 11, -11.7, 3.7 mm



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

Loc: 10.7, -11.8, 3.7 mm Diff: 1.89dB



**#14\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 40.08 dB

ABM1 comp = -9.97 dBA/m

Location: 11, -3.3, 3.7 mm



**#15\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

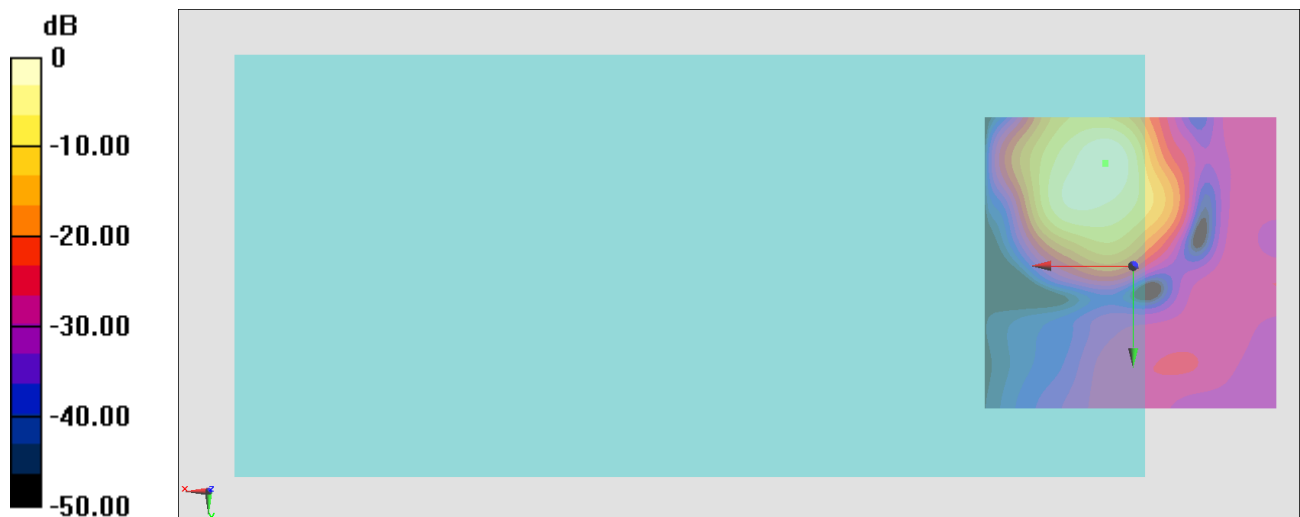
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 44.03 dB

ABM1 comp = -1.59 dBA/m

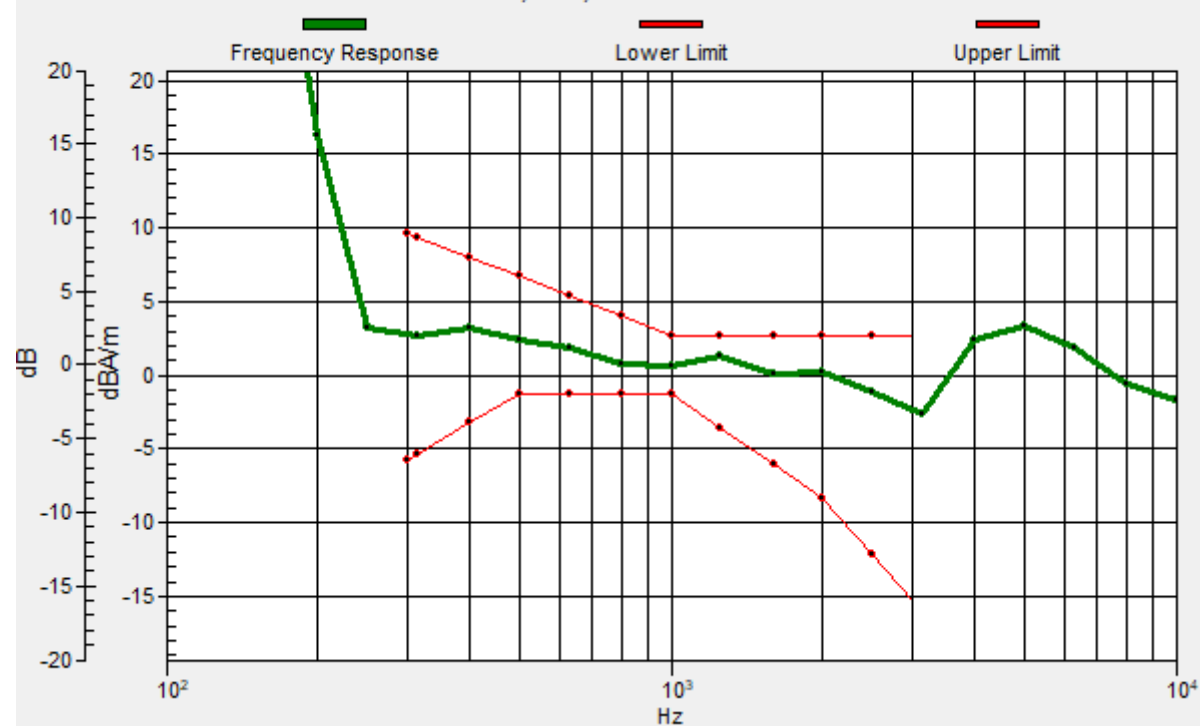
Location: 4.7, -17.3, 3.7 mm



0 dB = 159.1 = 44.03 dB

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

Loc: 4.7, -17.2, 3.7 mm Diff: 1.39dB



**#15\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 40.79 dB

ABM1 comp = -6.03 dBA/m

Location: 11, -3.3, 3.7 mm



**#16\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Axial (Z)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 37.86 dB

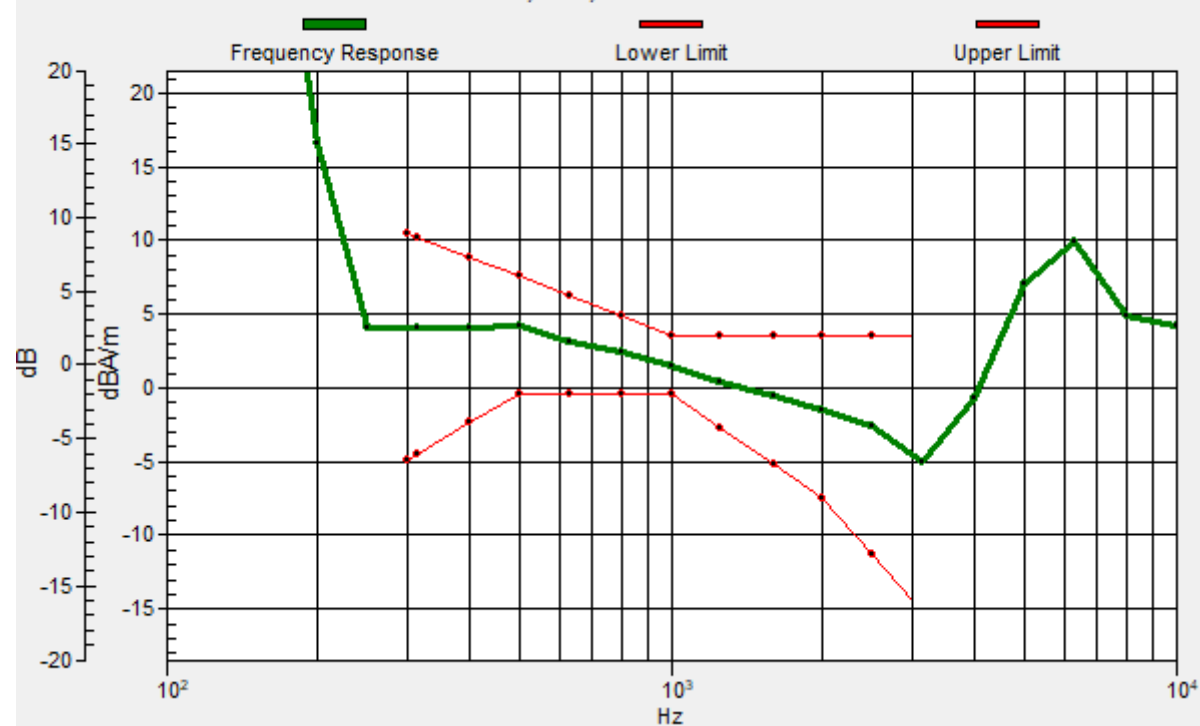
ABM1 comp = -4.38 dBA/m

Location: 4.7, -15.2, 3.7 mm



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

Loc: 5, -14.9, 3.7 mm Diff: 2dB



**#16\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Transversal (Y)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 37.34 dB

ABM1 comp = -10.49 dBA/m

Location: 10.3, -2.6, 3.7 mm



**#17\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1\_0\_Ch26865\_Axial (Z)**

Communication System: LTE; Frequency: 831.5 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 40.94 dB

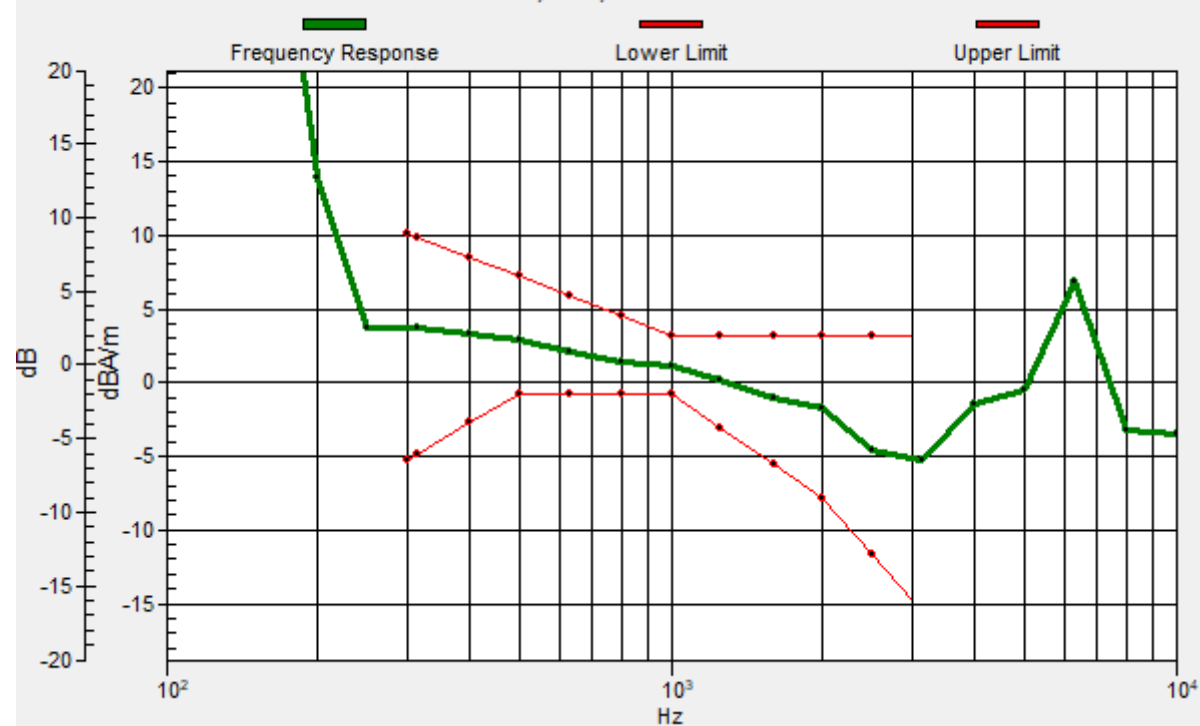
ABM1 comp = -4.22 dBA/m

Location: 4, -12.4, 3.7 mm



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

Loc: 4.1, -12.2, 3.7 mm Diff: 2dB



**#17\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1\_0\_Ch26865\_Transversal (Y)**

Communication System: LTE; Frequency: 831.5 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

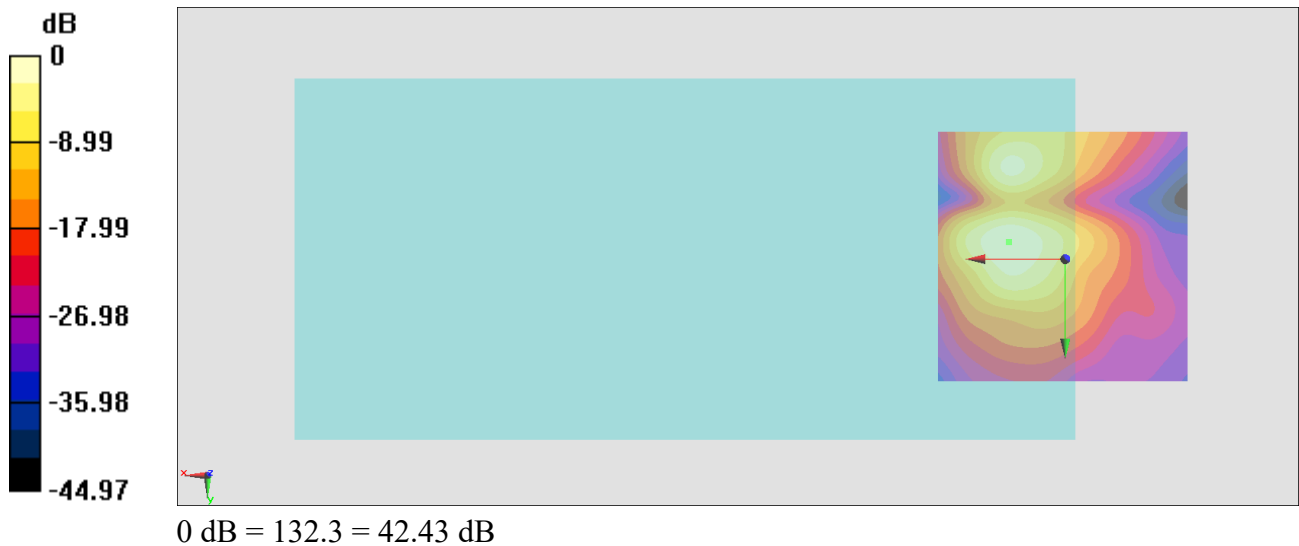
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 42.43 dB

ABM1 comp = -8.15 dBA/m

Location: 11, -3.3, 3.7 mm



**#18\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

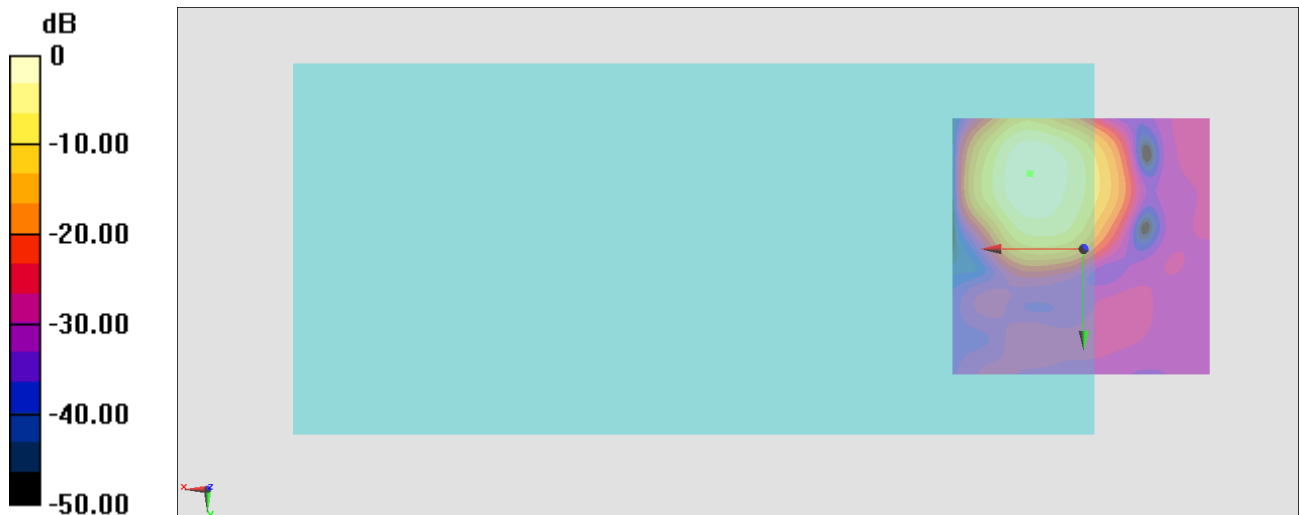
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 46.54 dB

ABM1 comp = -0.52 dBA/m

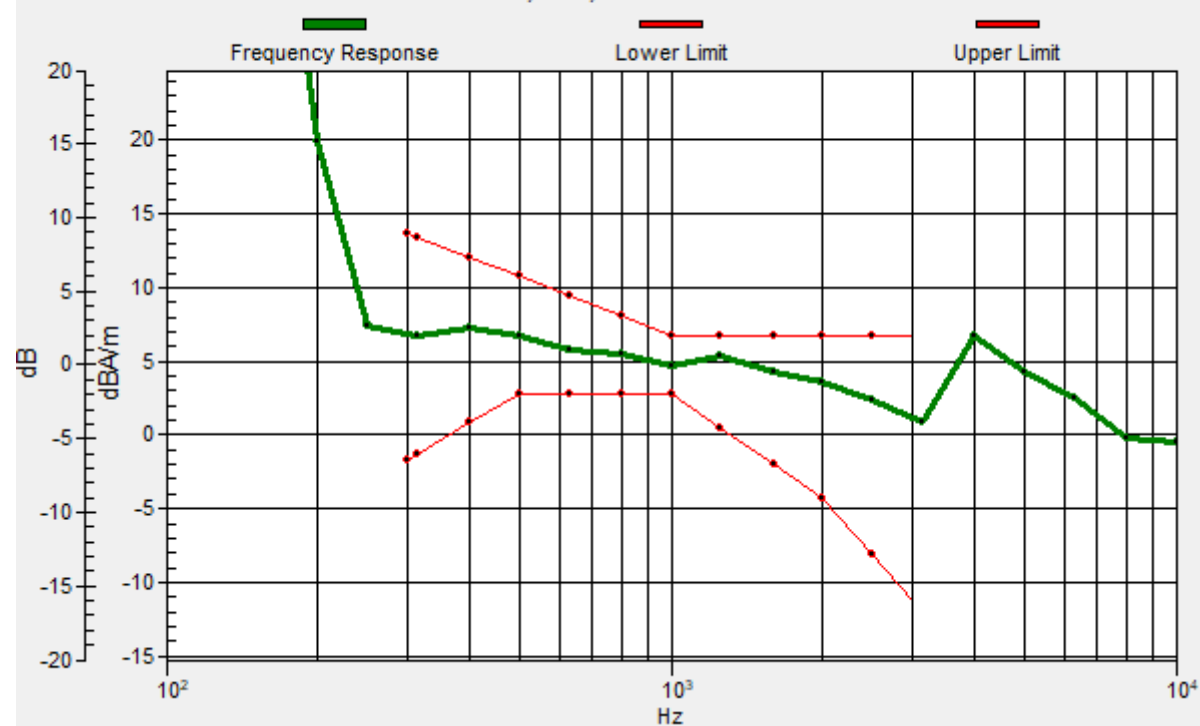
Location: 10.3, -14.5, 3.7 mm



0 dB = 212.3 = 46.54 dB

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

Loc: 10.2, -14.4, 3.7 mm Diff: 1.39dB



**#18\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

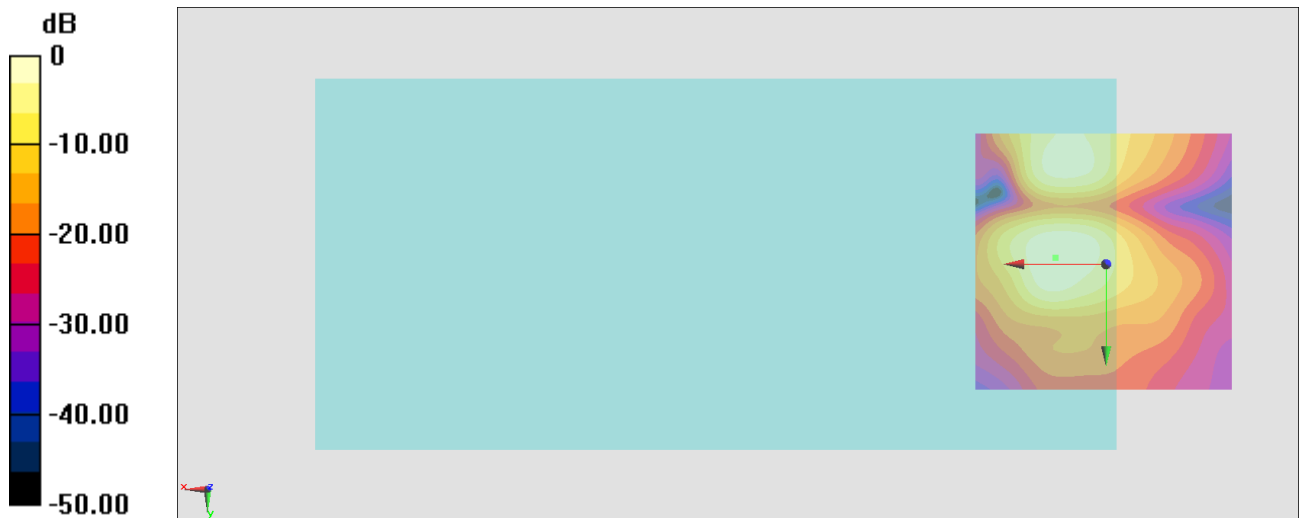
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 43.65 dB

ABM1 comp = -7.18 dBA/m

Location: 9.6, -1.2, 3.7 mm



0 dB = 152.2 = 43.65 dB

**#19\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Axial (Z)**

Communication System: LTE; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 47.09 dB

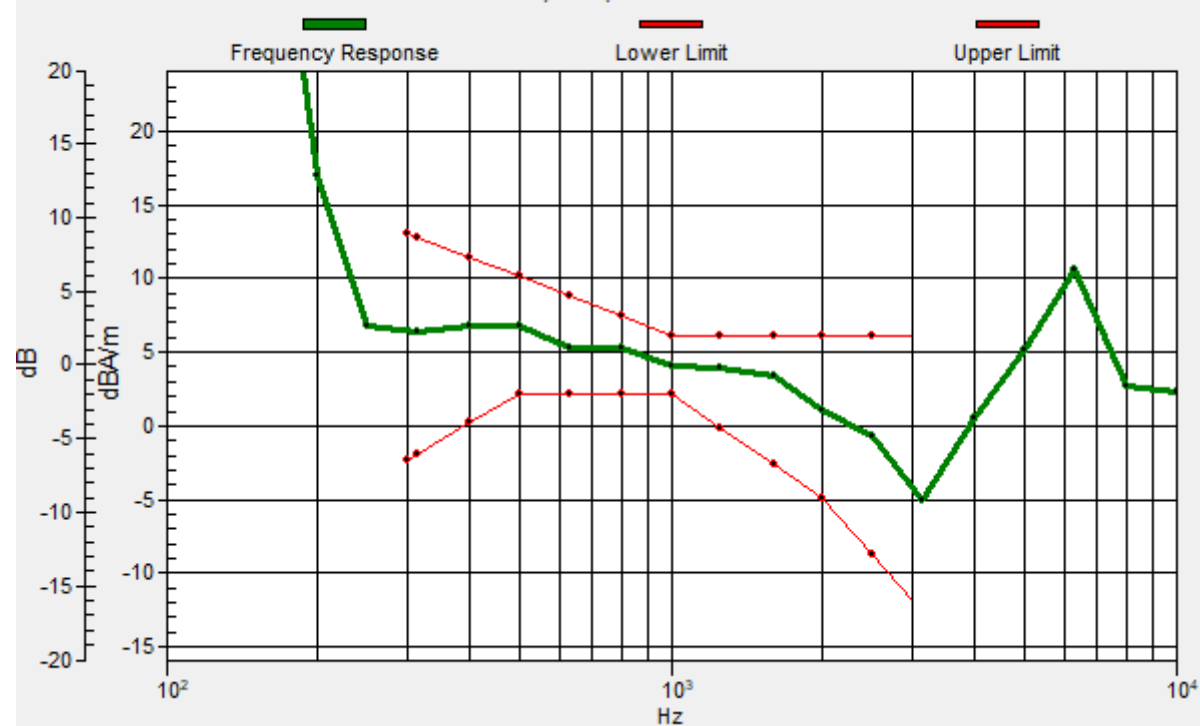
ABM1 comp = -1.62 dBA/m

Location: 11, -11, 3.7 mm



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

Loc: 11.2, -11.2, 3.7 mm Diff: 2dB



**#19\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Transversal (Y)**

Communication System: LTE; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 39.58 dB

ABM1 comp = -10.20 dBA/m

Location: 11, -2.6, 3.7 mm



**#20\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

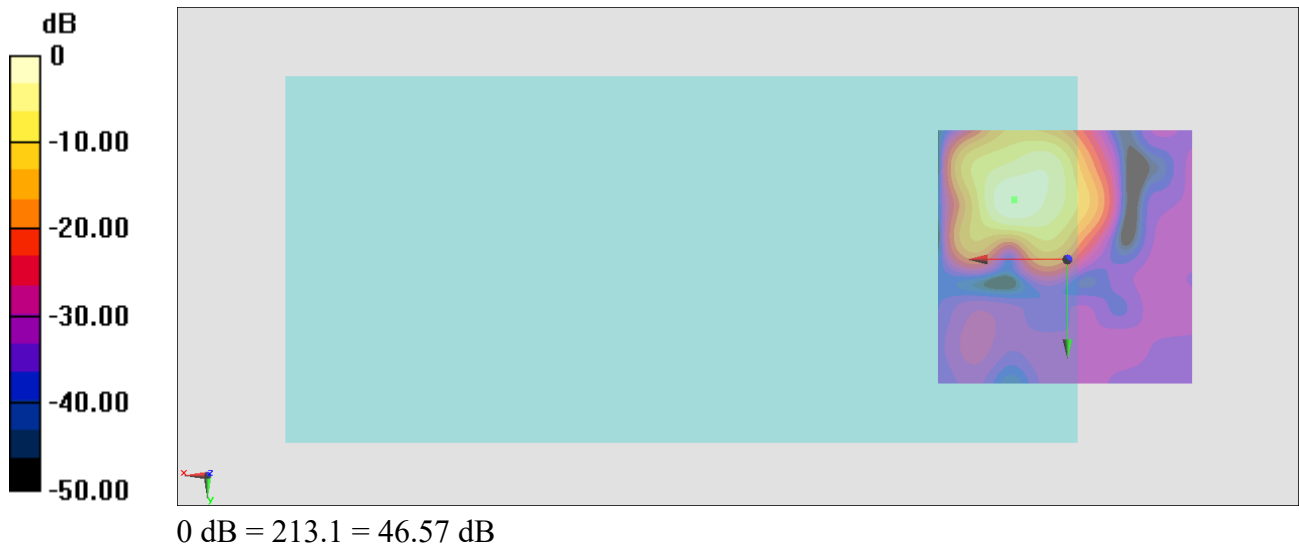
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 46.57 dB

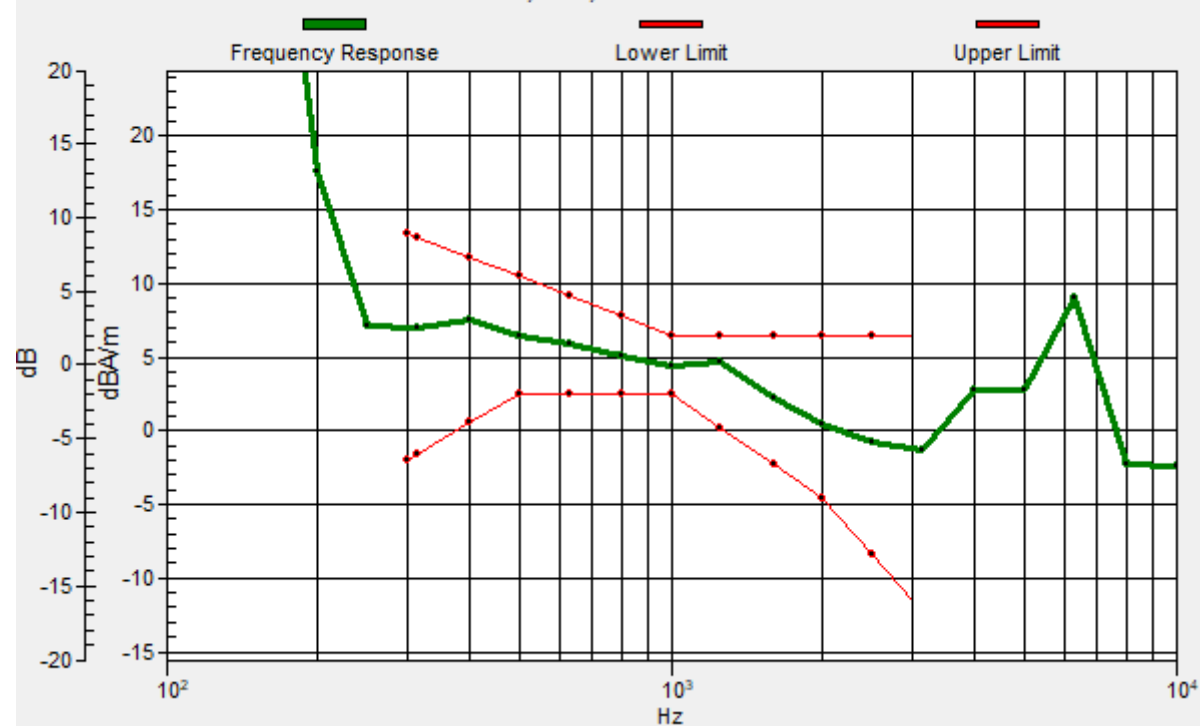
ABM1 comp = 1.79 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.2, -11.5, 3.7 mm Diff: 1.77dB



**#20\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

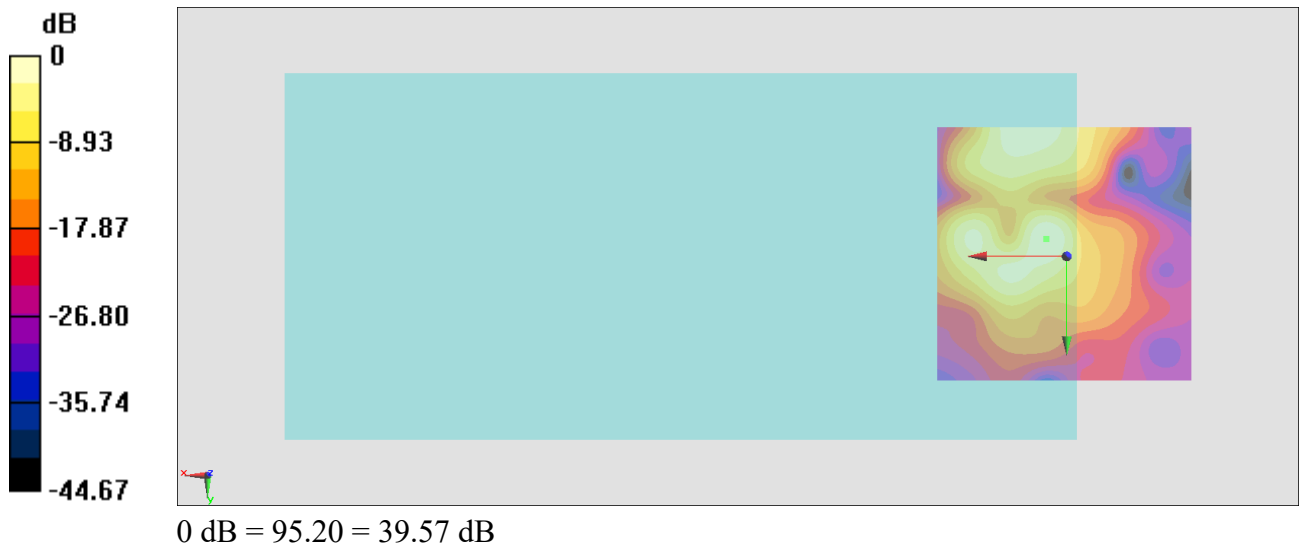
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 39.57 dB

ABM1 comp = -10.92 dBA/m

Location: 4, -3.3, 3.7 mm



**#21\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1\_0\_Ch27710\_Axial (Z)**

Communication System: LTE; Frequency: 2310 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 48.13 dB

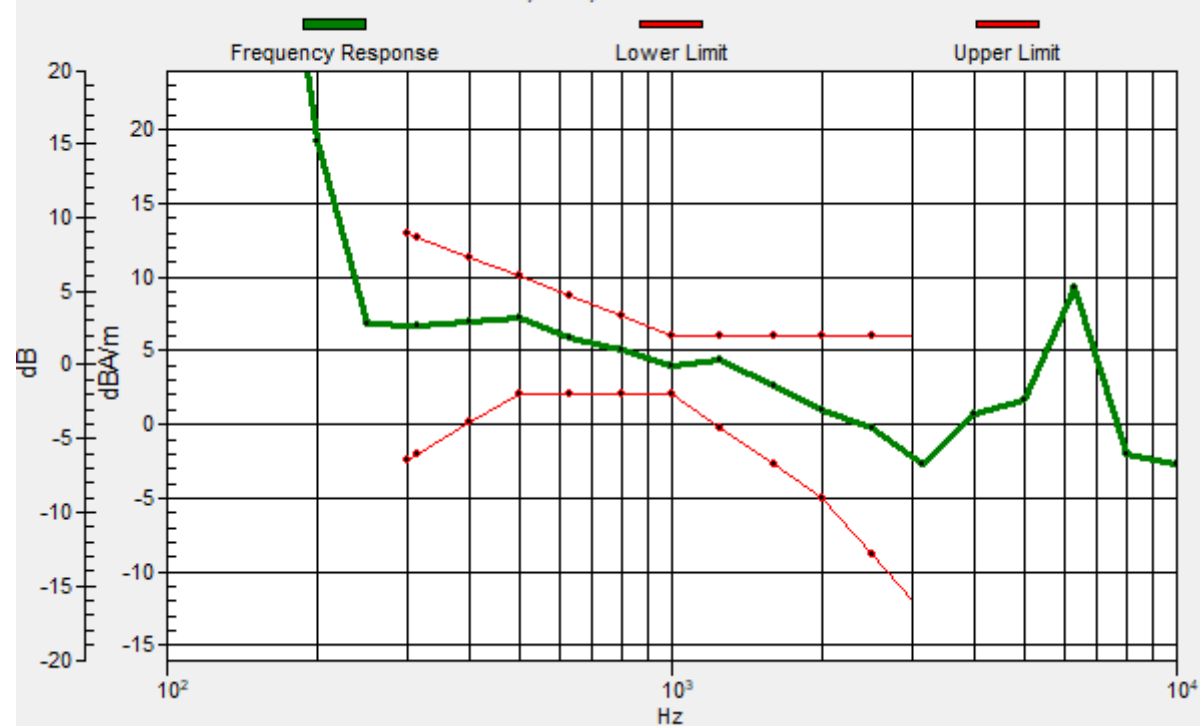
ABM1 comp = -0.28 dBA/m

Location: 11, -14.5, 3.7 mm



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

Loc: 10.9, -14.3, 3.7 mm Diff: 1.72dB



**#21\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1\_0\_Ch27710\_Transversal (Y)**

Communication System: LTE; Frequency: 2310 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 39.64 dB

ABM1 comp = -9.53 dBA/m

Location: 8.2, -3.3, 3.7 mm



**#22\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

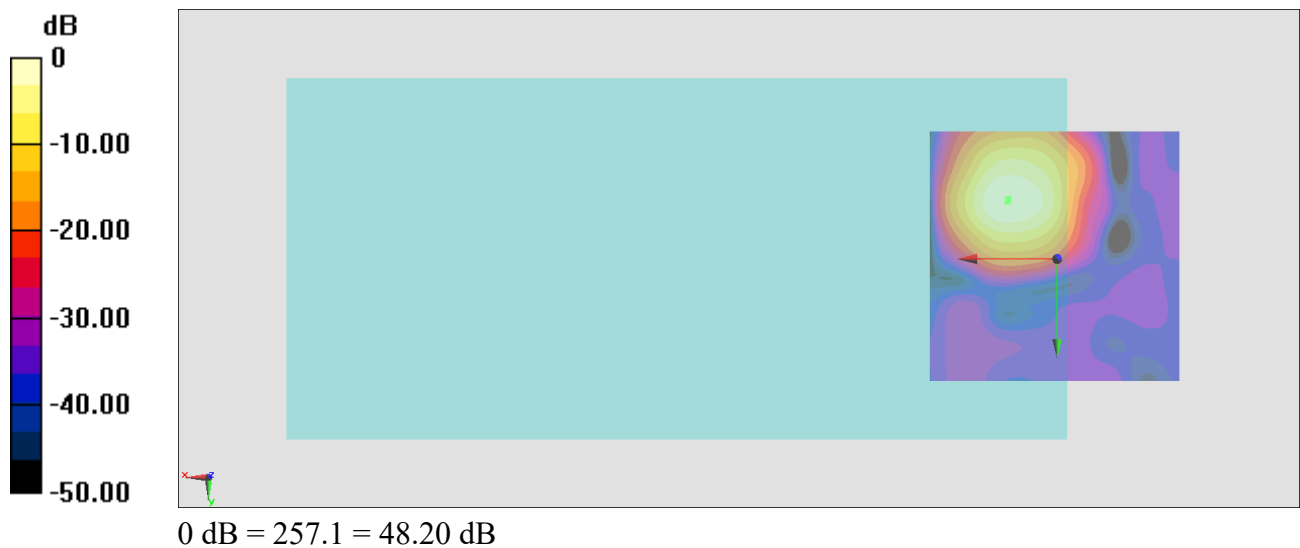
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 48.20 dB

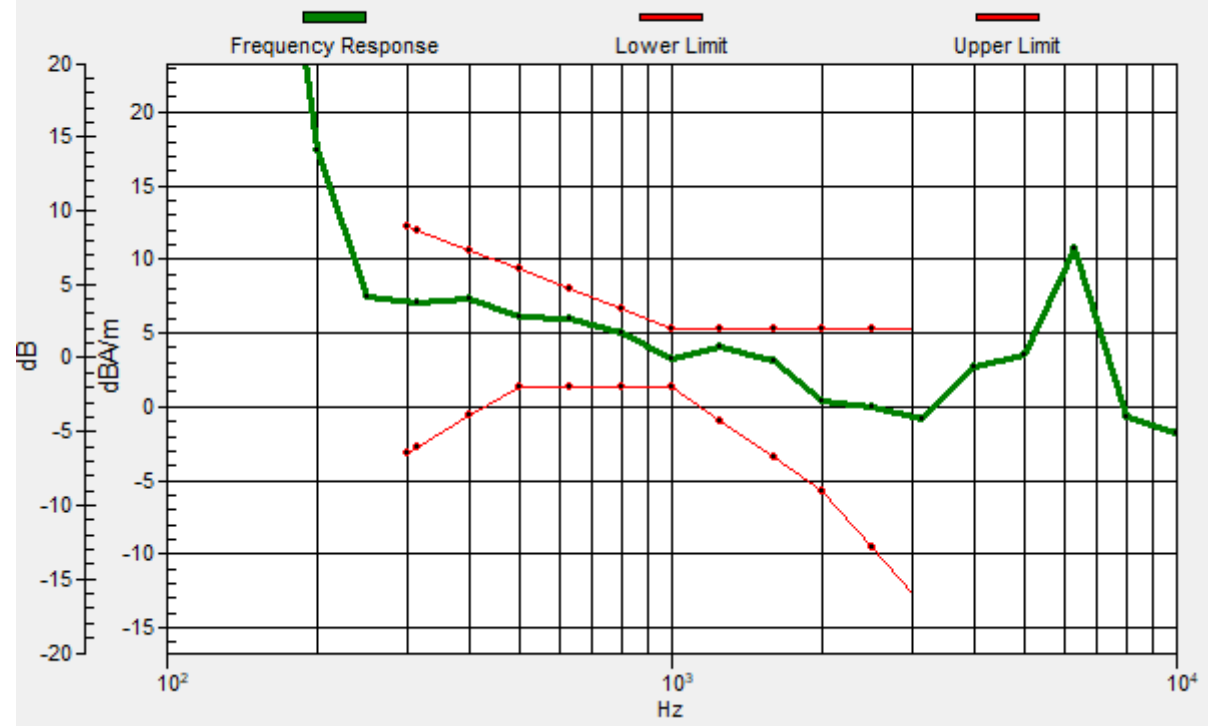
ABM1 comp = 0.92 dBA/m

Location: 9.6, -11.7, 3.7 mm



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

Loc: 9.7, -11.3, 3.7 mm Diff: 1.19dB



**#22\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 40.62 dB

ABM1 comp = -9.64 dBA/m

Location: 4.7, -3.3, 3.7 mm



**#23\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

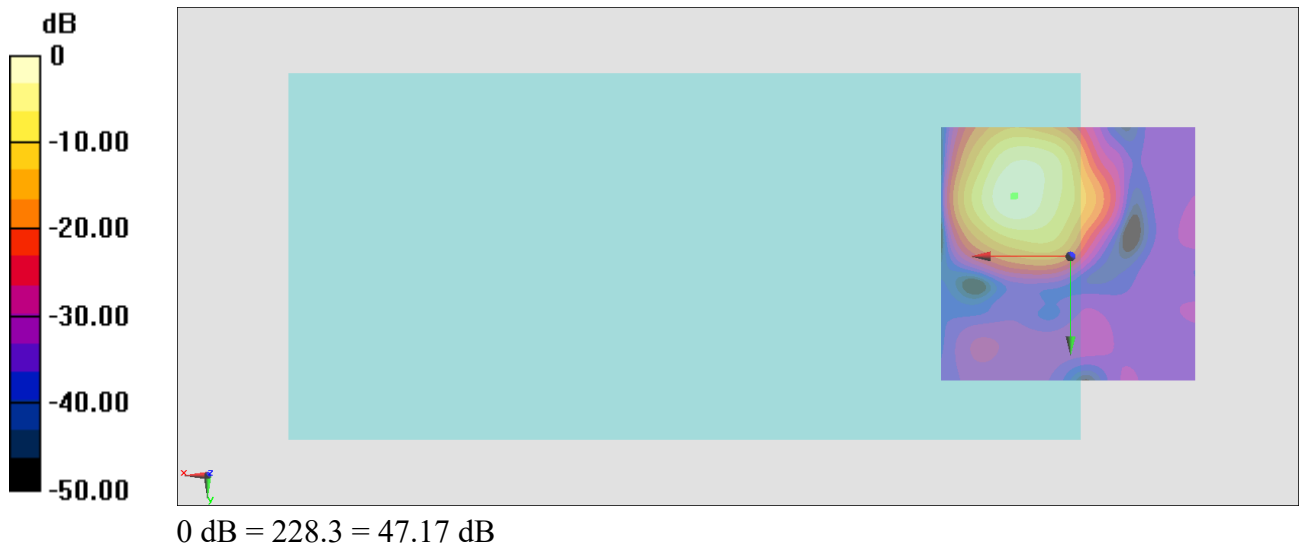
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 47.17 dB

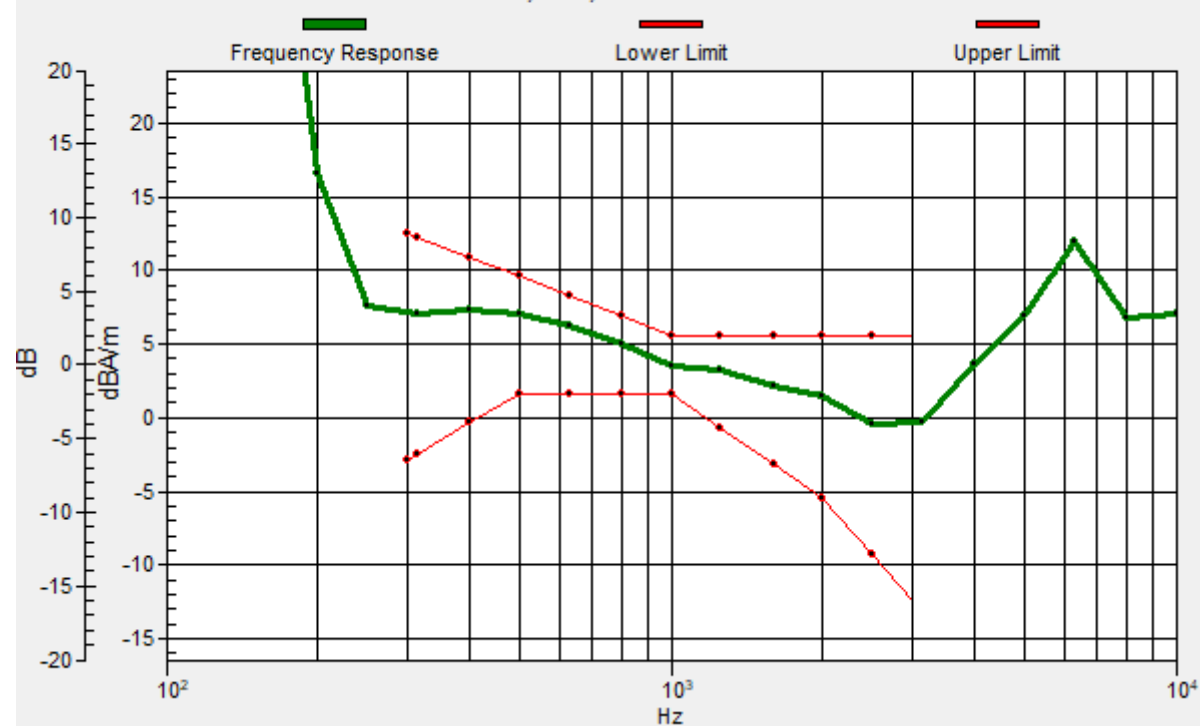
ABM1 comp = -1.35 dBA/m

Location: 11, -11.7, 3.7 mm



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

Loc: 10.7, -11.8, 3.7 mm Diff: 1.89dB



**#23\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 40.08 dB

ABM1 comp = -9.97 dBA/m

Location: 11, -3.3, 3.7 mm



**#24\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Axial (Z)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 37.86 dB

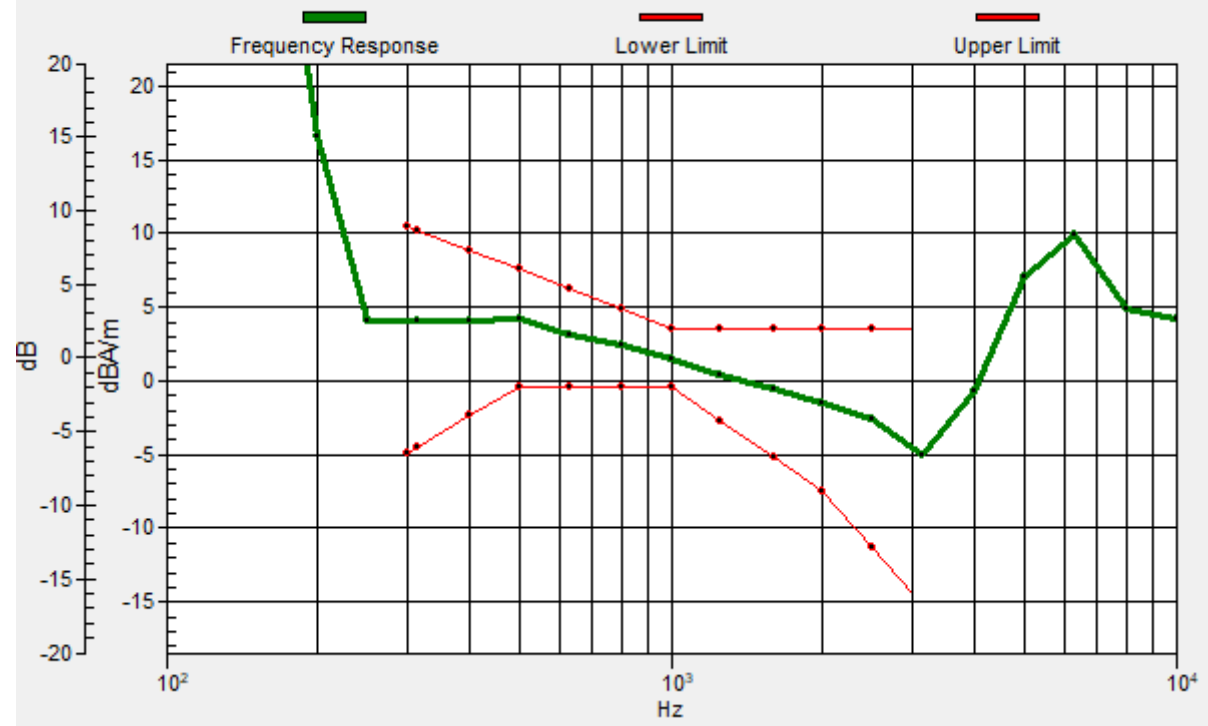
ABM1 comp = -4.38 dBA/m

Location: 4.7, -15.2, 3.7 mm



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

Loc: 5, -14.9, 3.7 mm Diff: 2dB



**#24\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Transversal (Y)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 37.34 dB

ABM1 comp = -10.49 dBA/m

Location: 10.3, -2.6, 3.7 mm



**#25\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

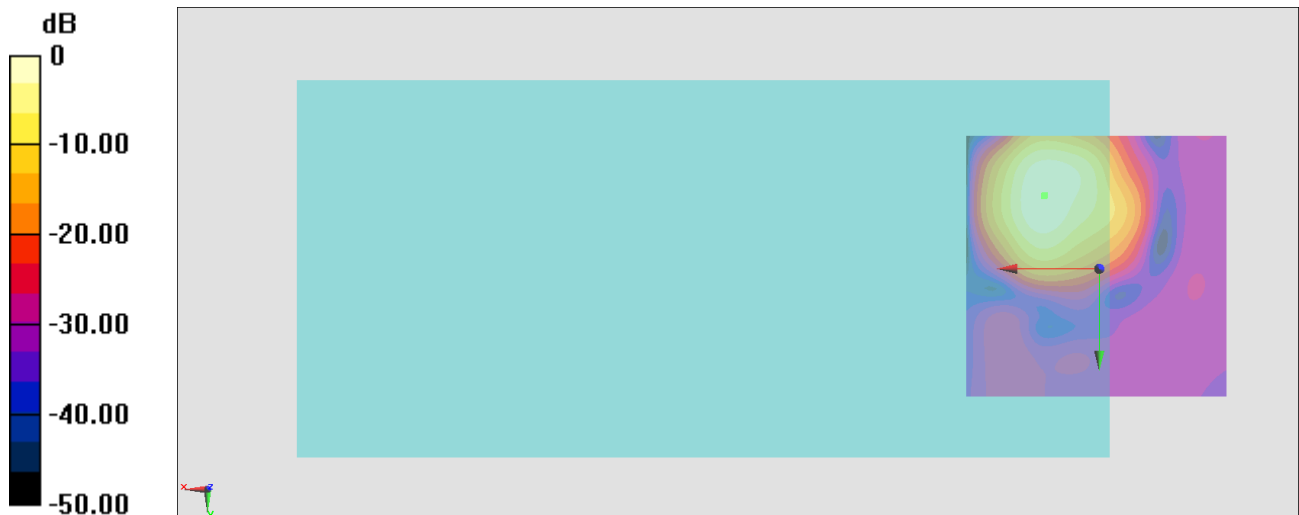
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 46.98 dB

ABM1 comp = 1.23 dBA/m

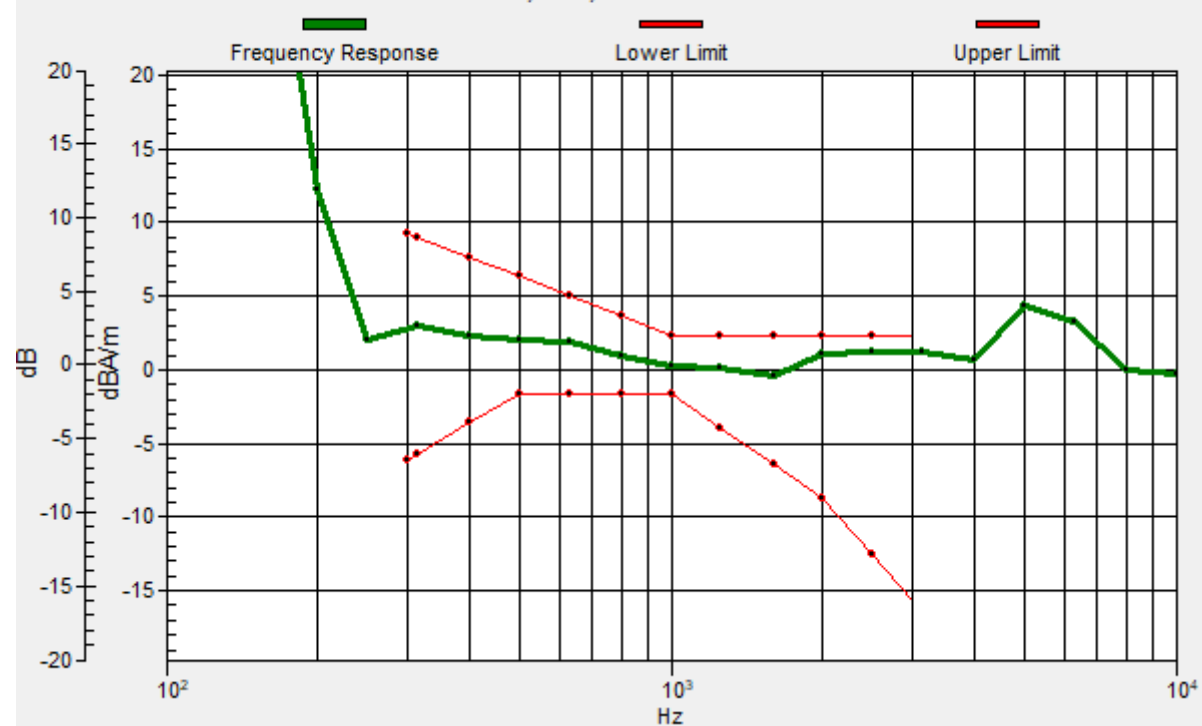
Location: 10.3, -13.8, 3.7 mm



0 dB = 223.5 = 46.99 dB

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

Loc: 10.4, -13.7, 3.7 mm Diff: 1.06dB



**#25\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 42.71 dB

ABM1 comp = -6.54 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#26\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch40;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 48.43 dB

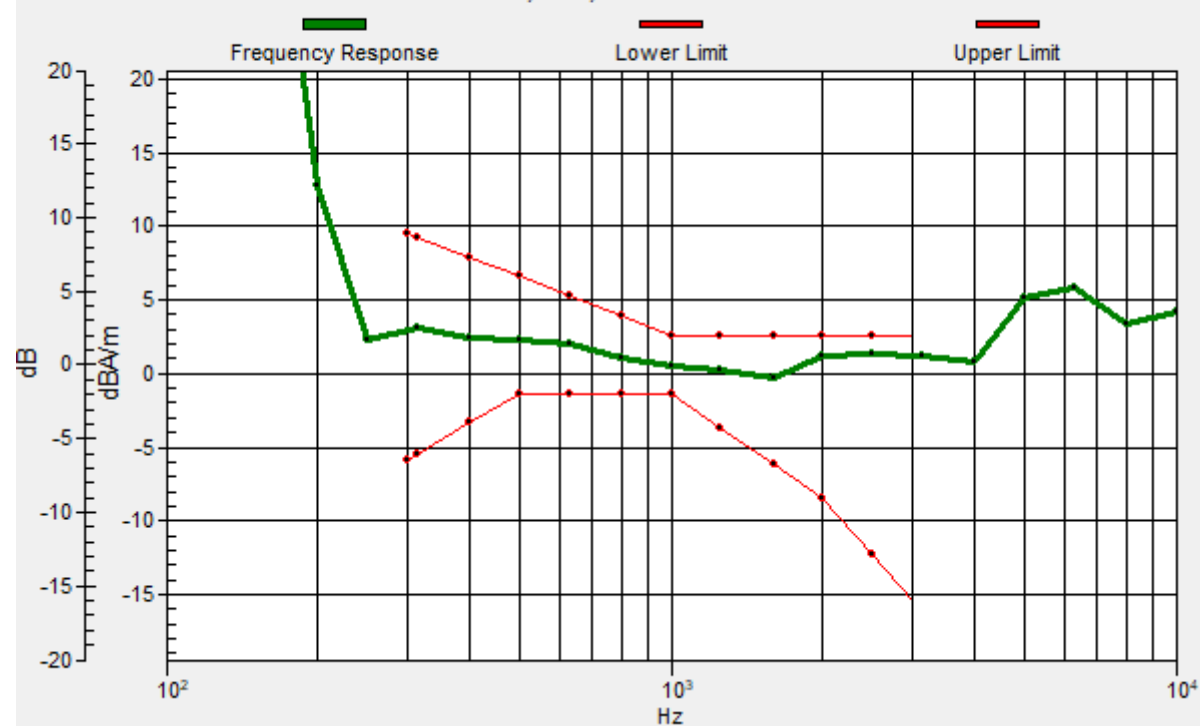
ABM1 comp = 1.72 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.4, -12.3, 3.7 mm Diff: 1.19dB



**#26\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch40;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 40.14 dB

ABM1 comp = -7.27 dBA/m

Location: 6.8, -2.6, 3.7 mm



**#27\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch60;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 49.16 dB

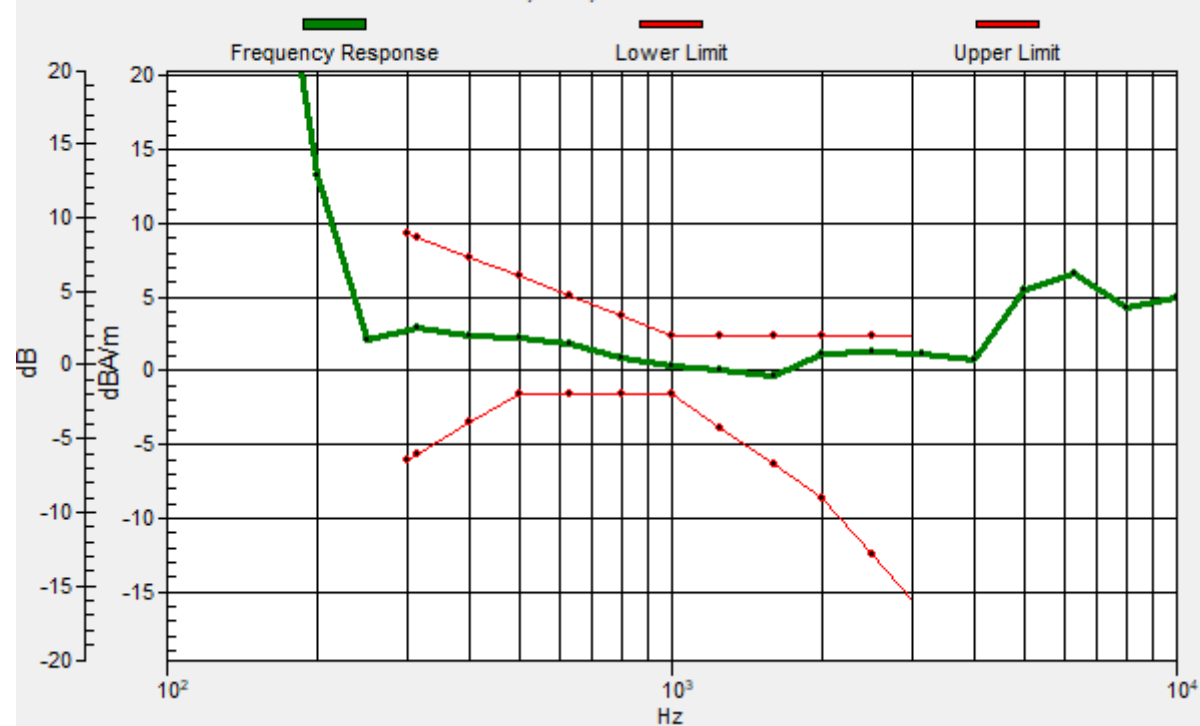
ABM1 comp = 1.86 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.5, -11.9, 3.7 mm Diff: 1.09dB



**#27\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch60;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

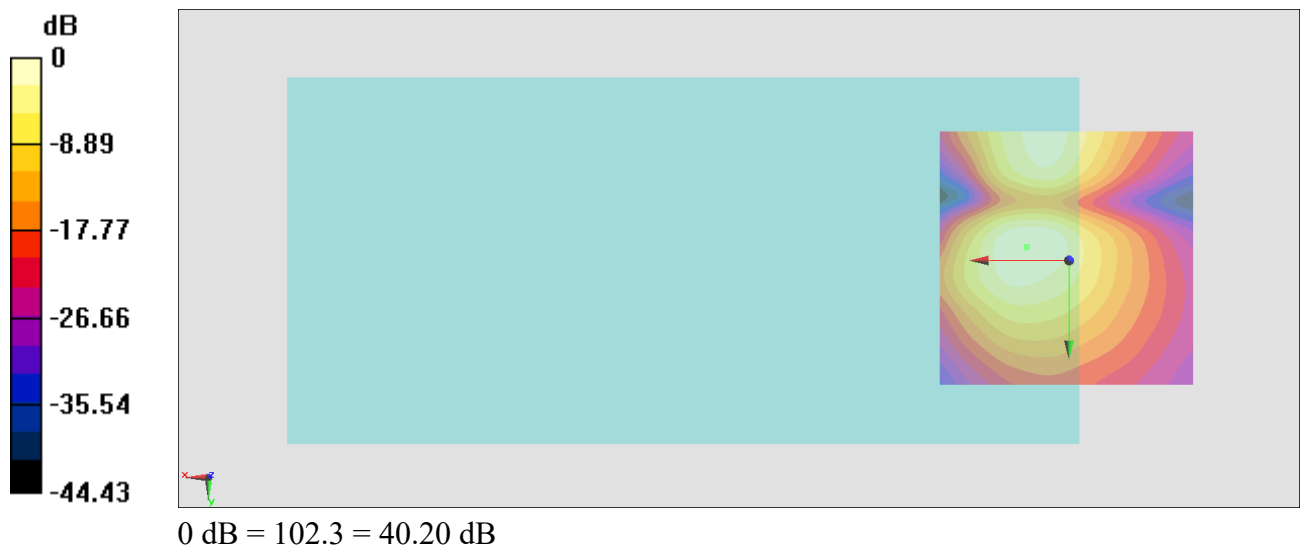
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 40.20 dB

ABM1 comp = -6.81 dBA/m

Location: 8.2, -2.6, 3.7 mm



**#28\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch124;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 49.78 dB

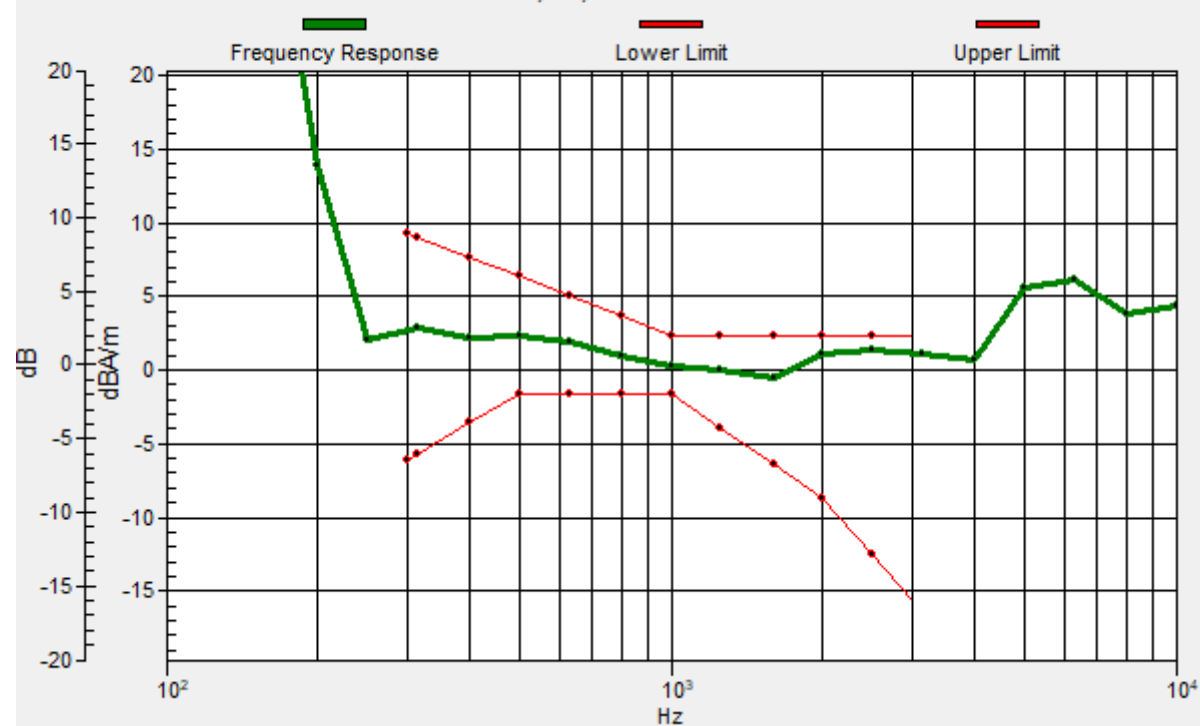
ABM1 comp = 1.66 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.5, -12, 3.7 mm Diff: 1.01dB



**#28\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch124;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 39.78 dB

ABM1 comp = -6.75 dBA/m

Location: 8.2, -2.6, 3.7 mm



**#29\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 49.61 dB

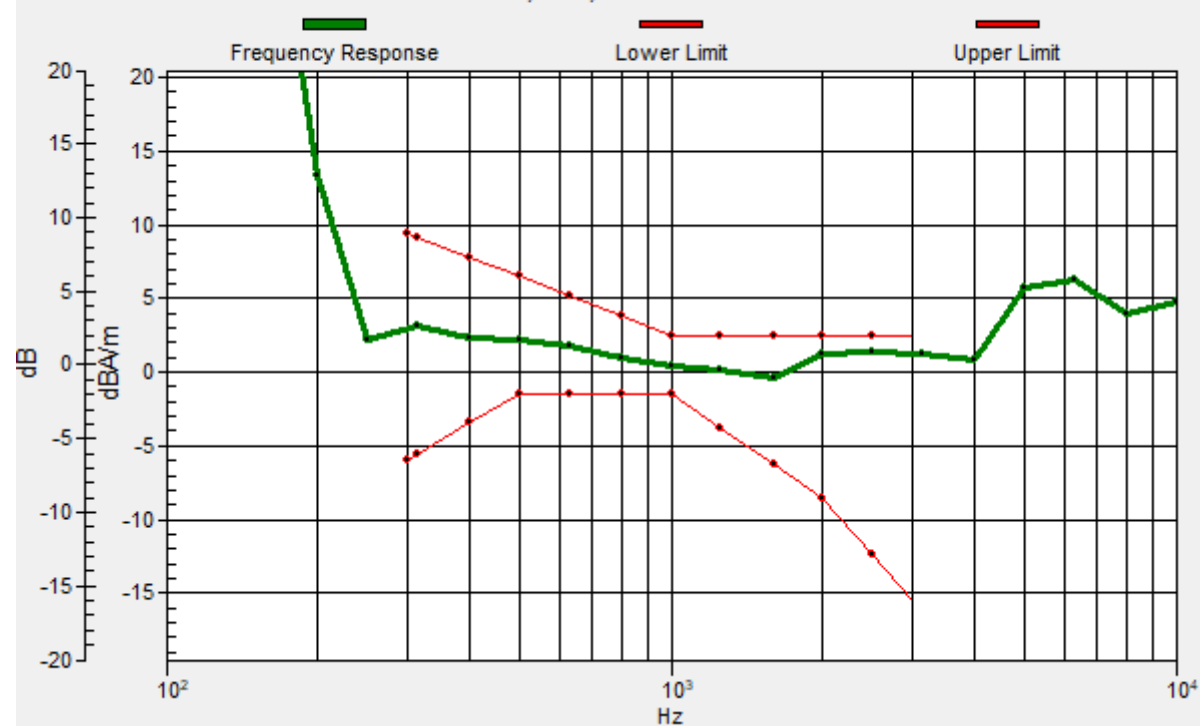
ABM1 comp = 1.52 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.5, -12.1, 3.7 mm Diff: 1.08dB



**#29\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

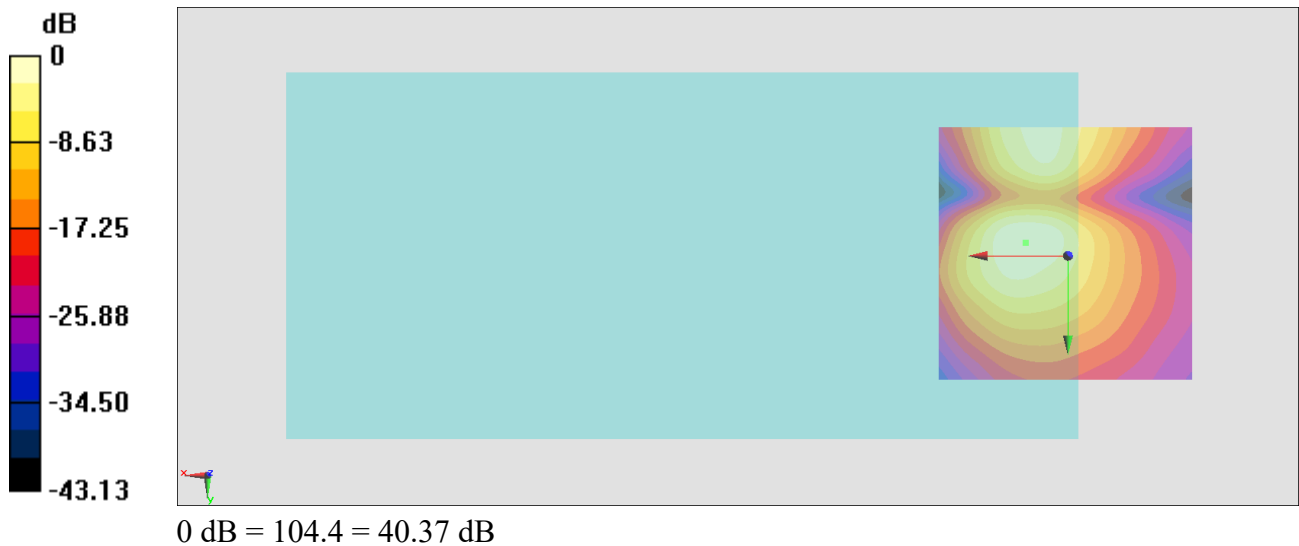
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 40.38 dB

ABM1 comp = -6.64 dBA/m

Location: 8.2, -2.6, 3.7 mm



**#47\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch173;Ant 3+4\_Axial (Z)**

Communication System: 802.11a; Frequency: 5865 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

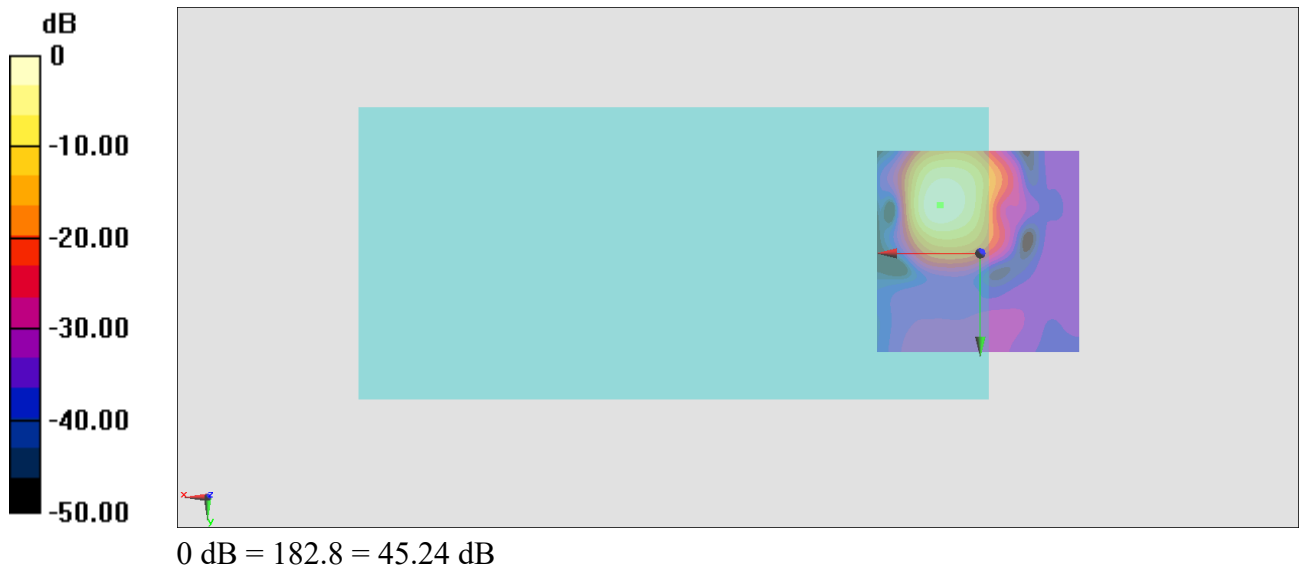
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 45.24 dB

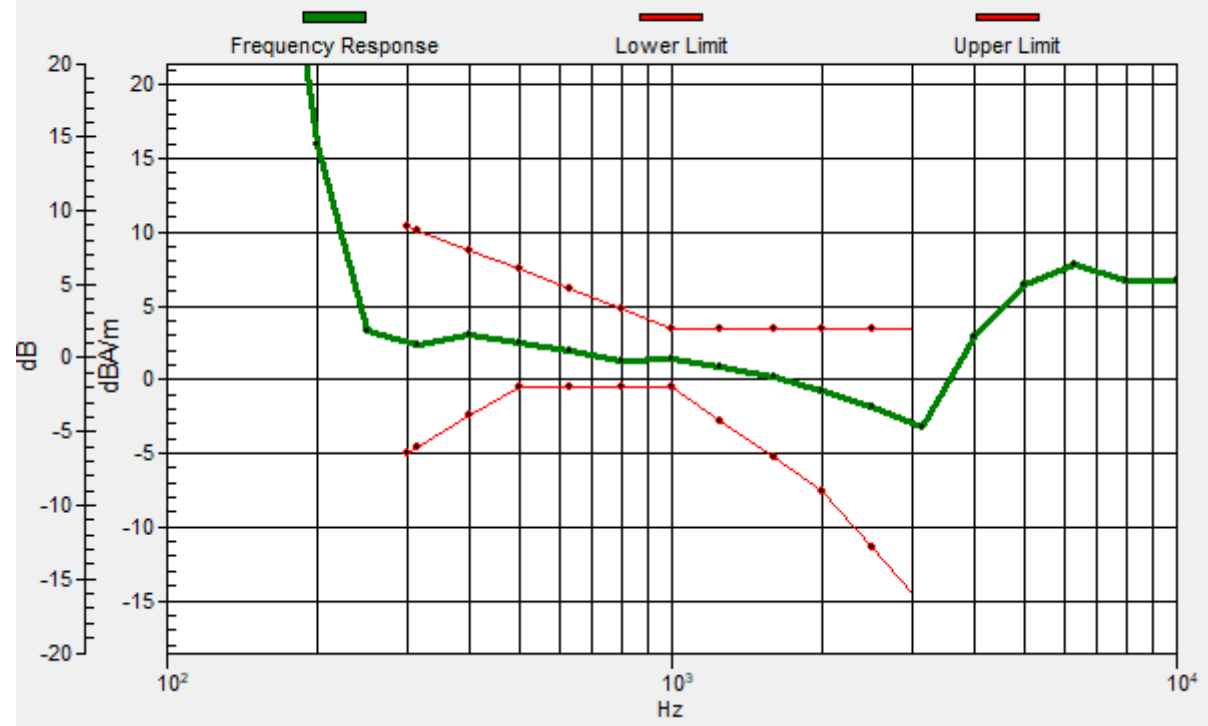
ABM1 comp = -3.29 dBA/m

Location: 9.6, -11.7, 3.7 mm



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

Loc: 9.9, -11.8, 3.7 mm Diff: 1.79dB



**#47\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch173;Ant 3+4\_Transversal (Y)**

Communication System: 802.11a; Frequency: 5865 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**General Scans/y (transversal) 4.2mm 50 x 50 2/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 37.42 dB

ABM1 comp = -7.85 dBA/m

Location: 8.2, -2.6, 3.7 mm



**#30\_HAC\_T-Coil\_GSM850\_Edge 2Tx\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

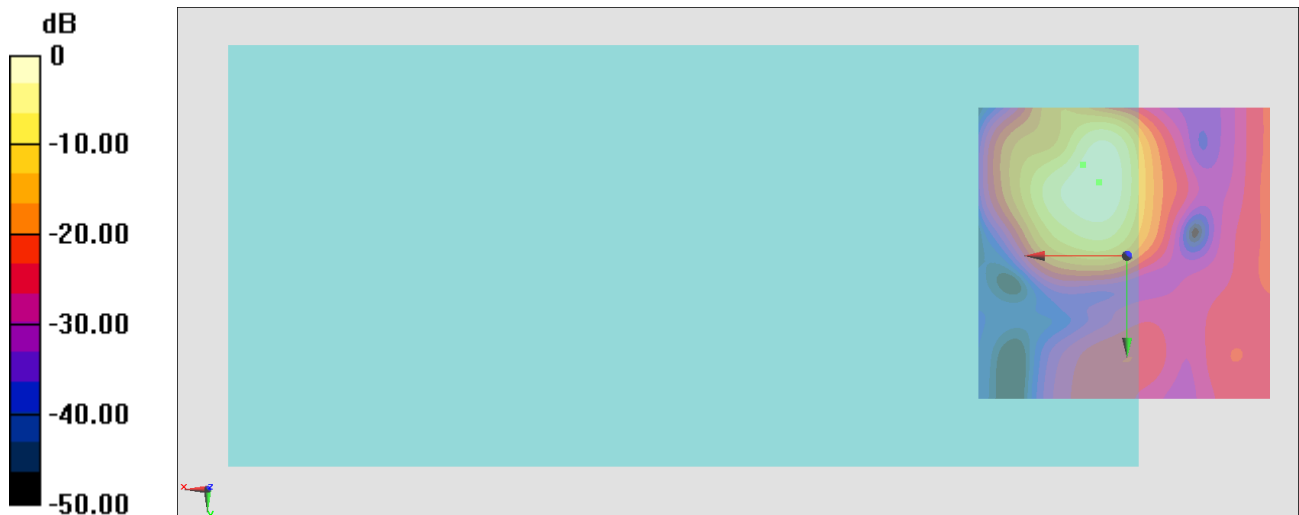
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 42.63 dB

ABM1 comp = 1.50 dBA/m

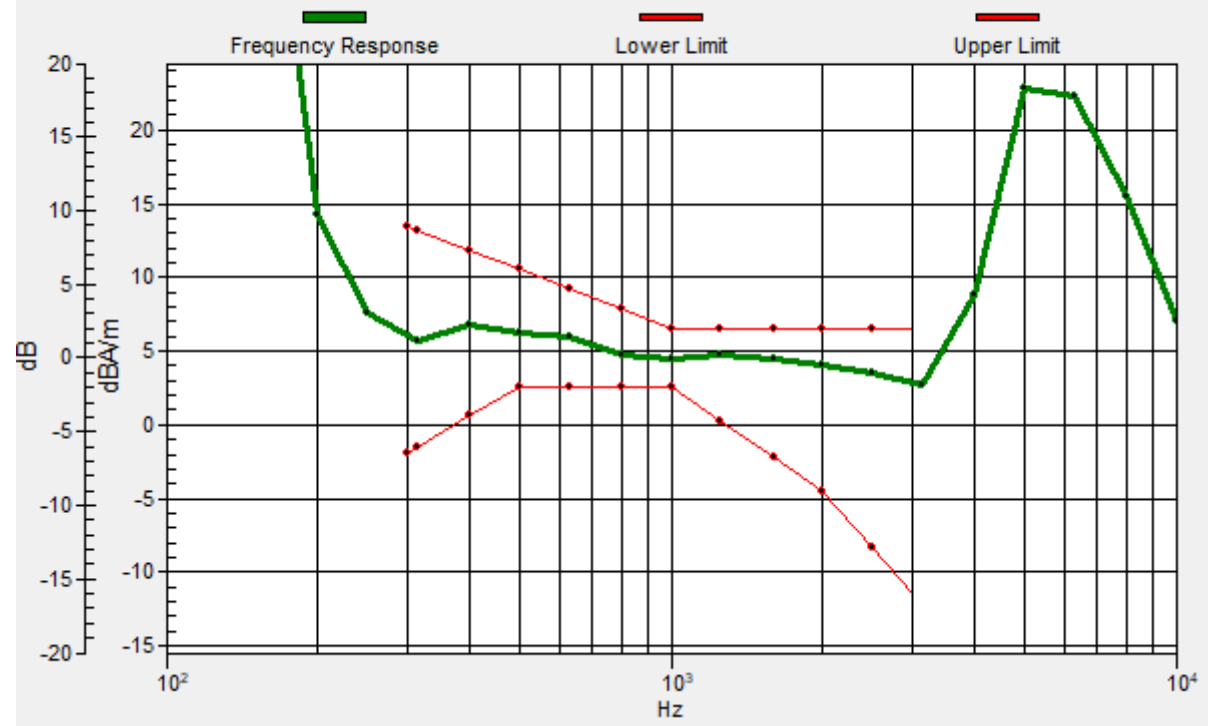
Location: 4.7, -12.4, 3.7 mm



0 dB = 135.4 = 42.63 dB

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

Loc: 7.4, -15.3, 3.7 mm Diff: 1.78dB



**#30\_HAC\_T-Coil\_GSM850\_Edge 2Tx\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

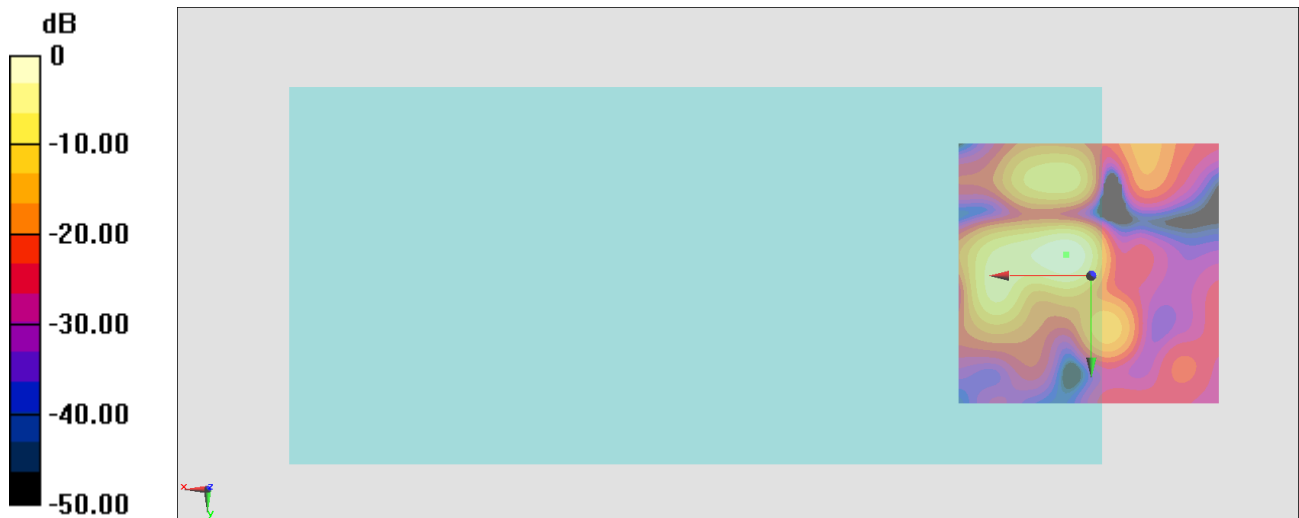
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 45.21 dB

ABM1 comp = -2.04 dBA/m

Location: 4.7, -4, 3.7 mm



0 dB = 182.2 = 45.21 dB

**#31\_HAC\_T-Coil\_GSM1900\_Edge 2Tx\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 45.58 dB

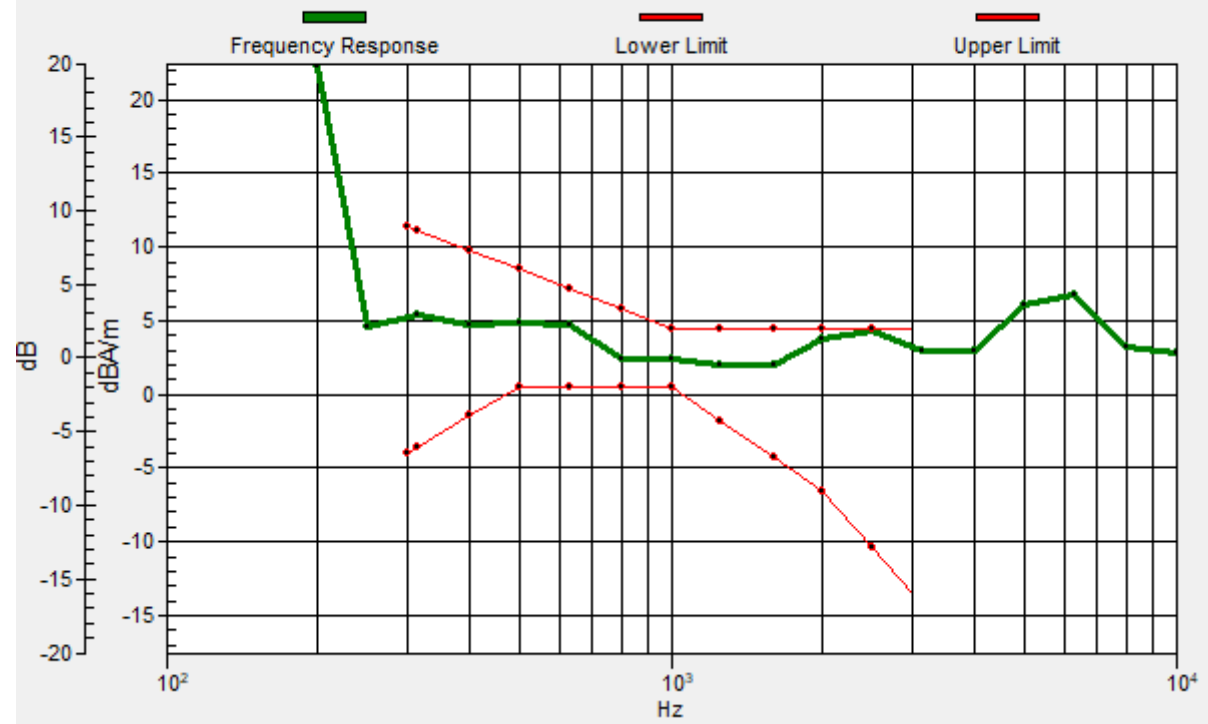
ABM1 comp = 2.89 dBA/m

Location: 5.4, -11.7, 3.7 mm



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

Loc: 5, -11.6, 3.7 mm Diff: 0.23dB



**#31\_HAC\_T-Coil\_GSM1900\_Edge 2Tx\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

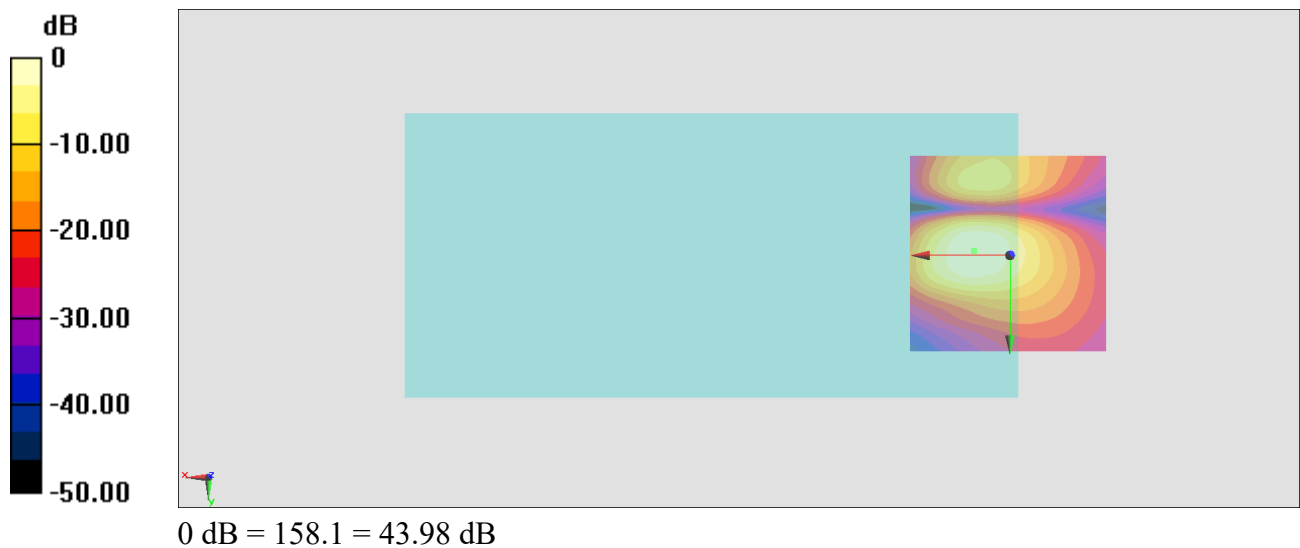
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 43.98 dB

ABM1 comp = -2.68 dBA/m

Location: 8.9, -1.2, 3.7 mm



**#32\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

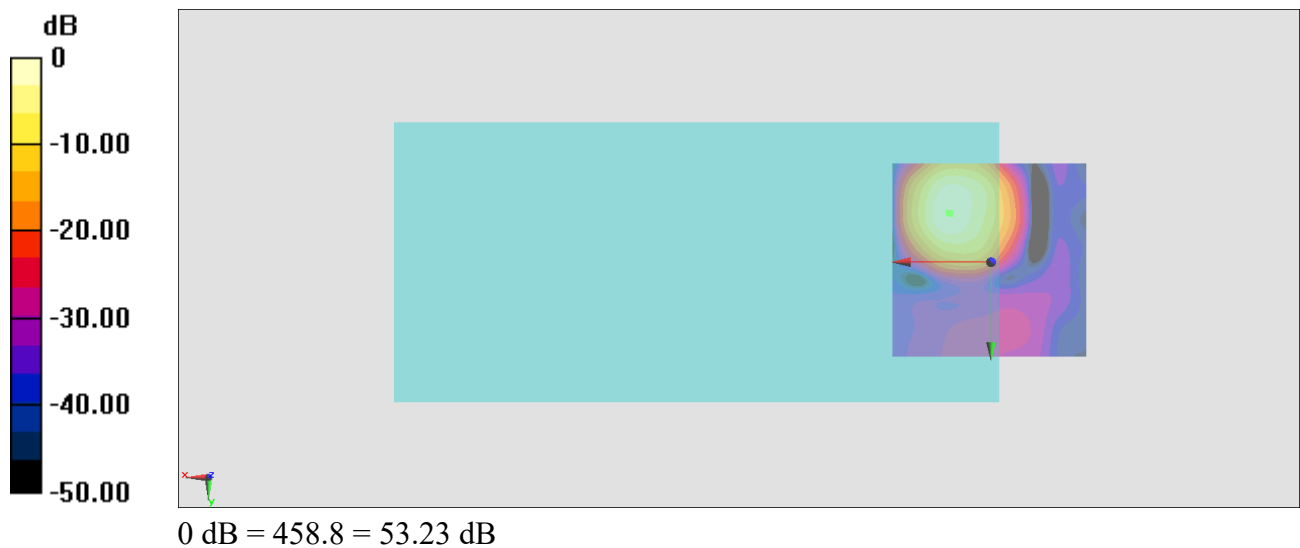
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 53.23 dB

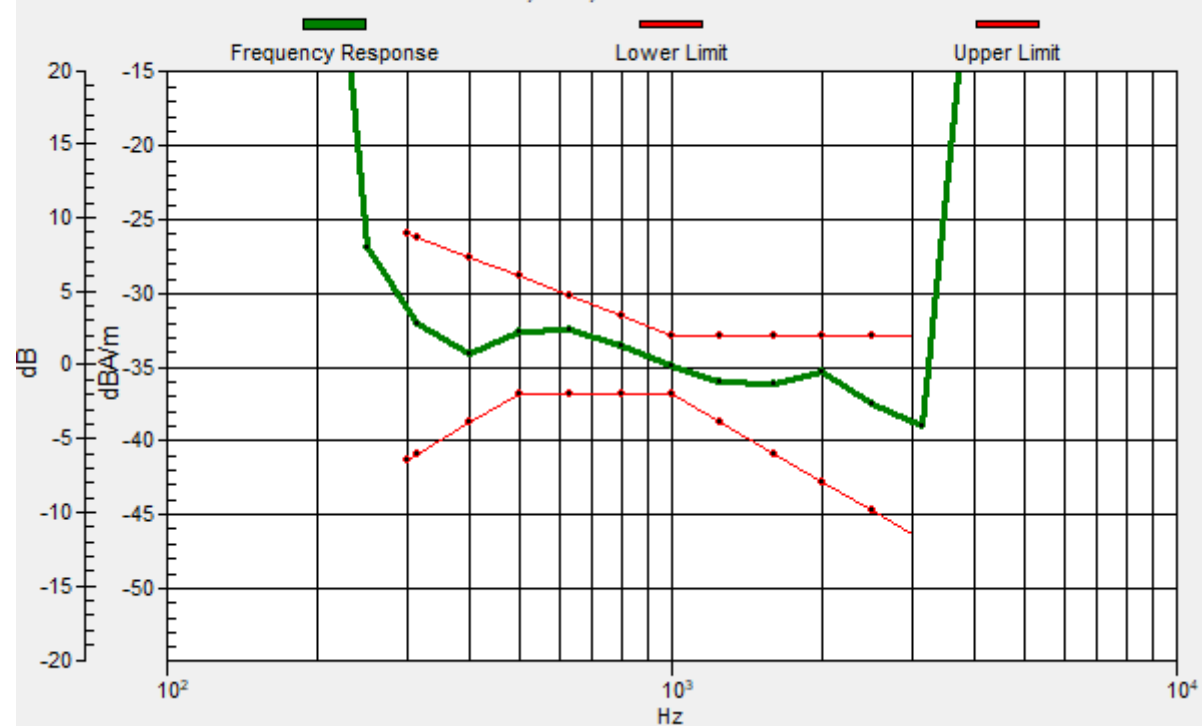
ABM1 comp = 8.65 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.6, -12.5, 3.7 mm Diff: 1.96dB



**#32\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 50.27 dB

ABM1 comp = 0.24 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#33\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 53.44 dB

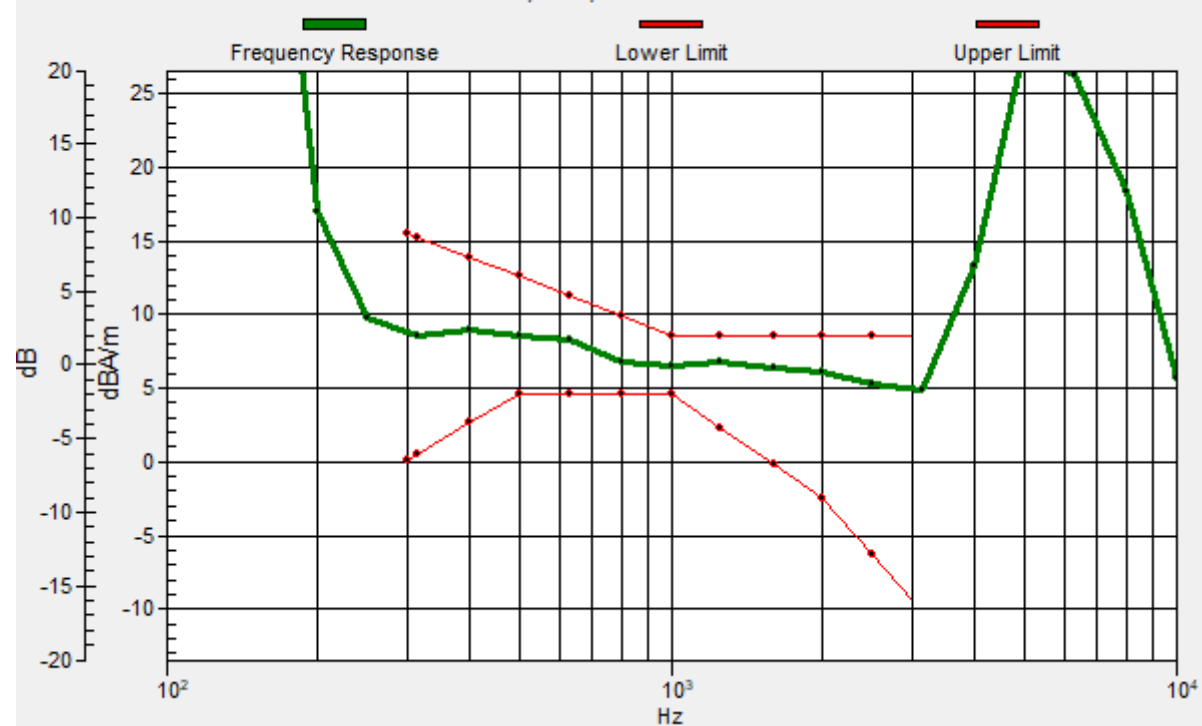
ABM1 comp = 8.11 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.2, -11.8, 3.7 mm Diff: 1.78dB



**#33\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 50.76 dB

ABM1 comp = 0.68 dBA/m

Location: 9.6, -3.3, 3.7 mm



**#34\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 52.65 dB

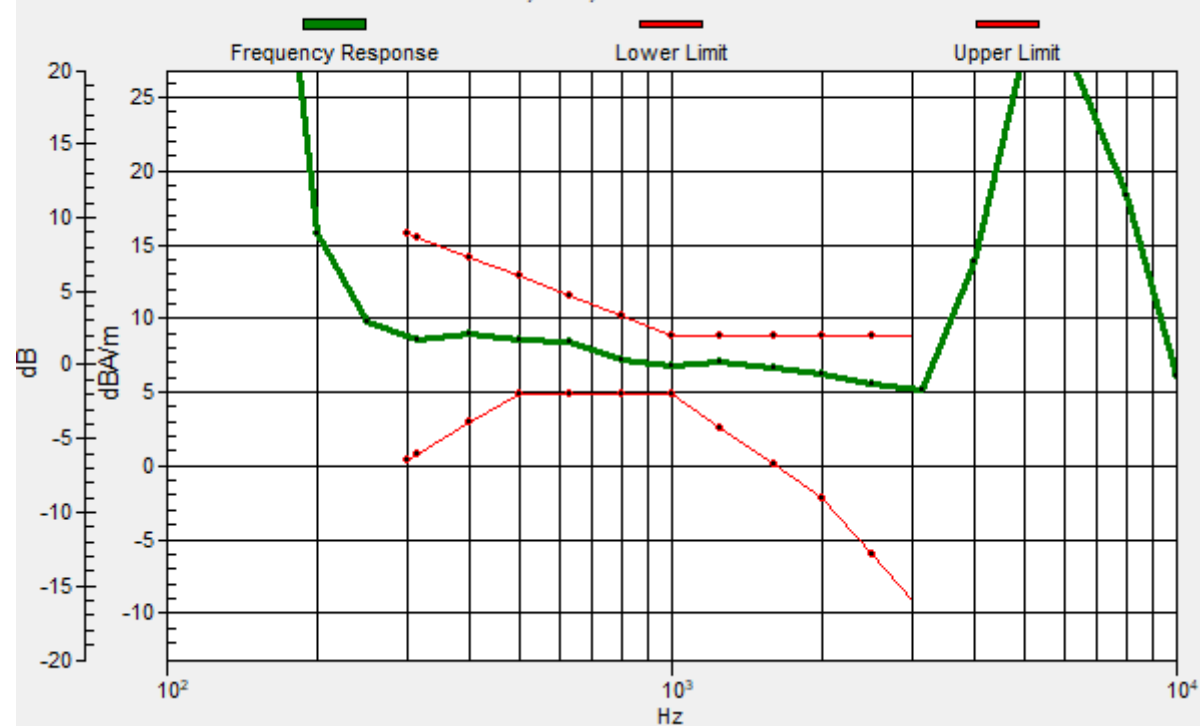
ABM1 comp = 7.19 dBA/m

Location: 11, -12.4, 3.7 mm



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

Loc: 10.8, -12.5, 3.7 mm Diff: 1.81dB



**#34\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

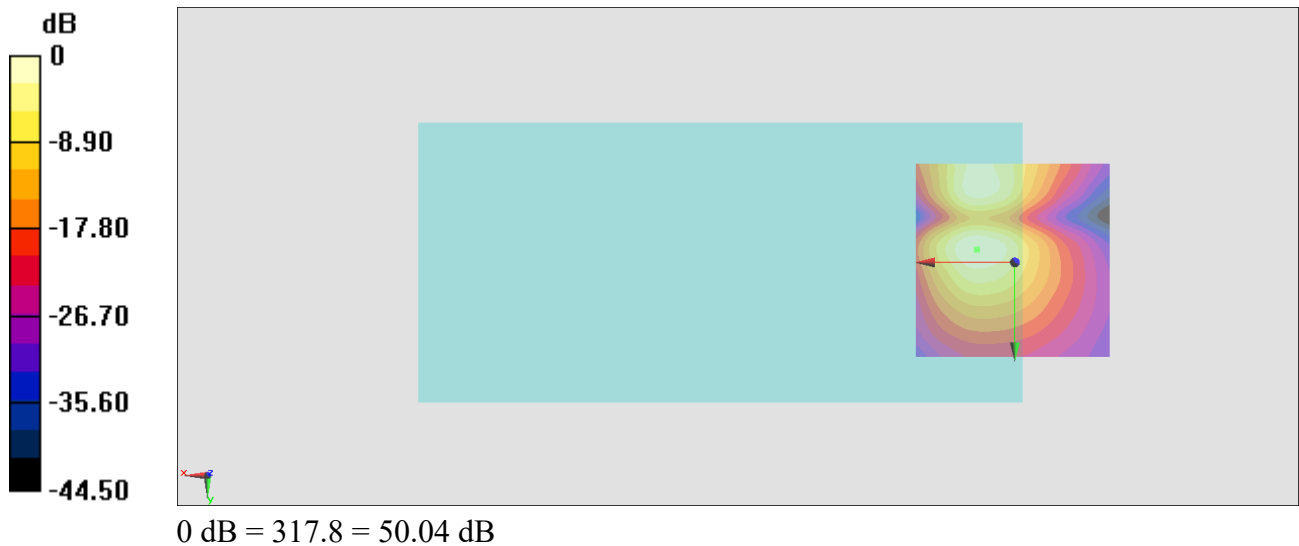
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 50.04 dB

ABM1 comp = 0.72 dBA/m

Location: 9.6, -3.3, 3.7 mm



**#35\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

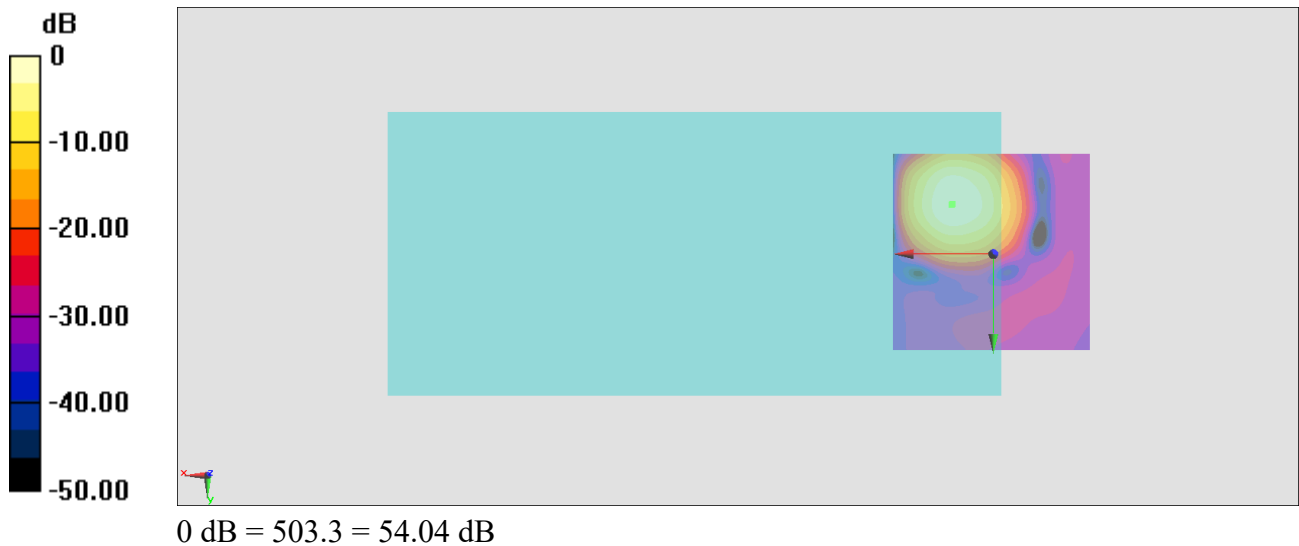
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 54.04 dB

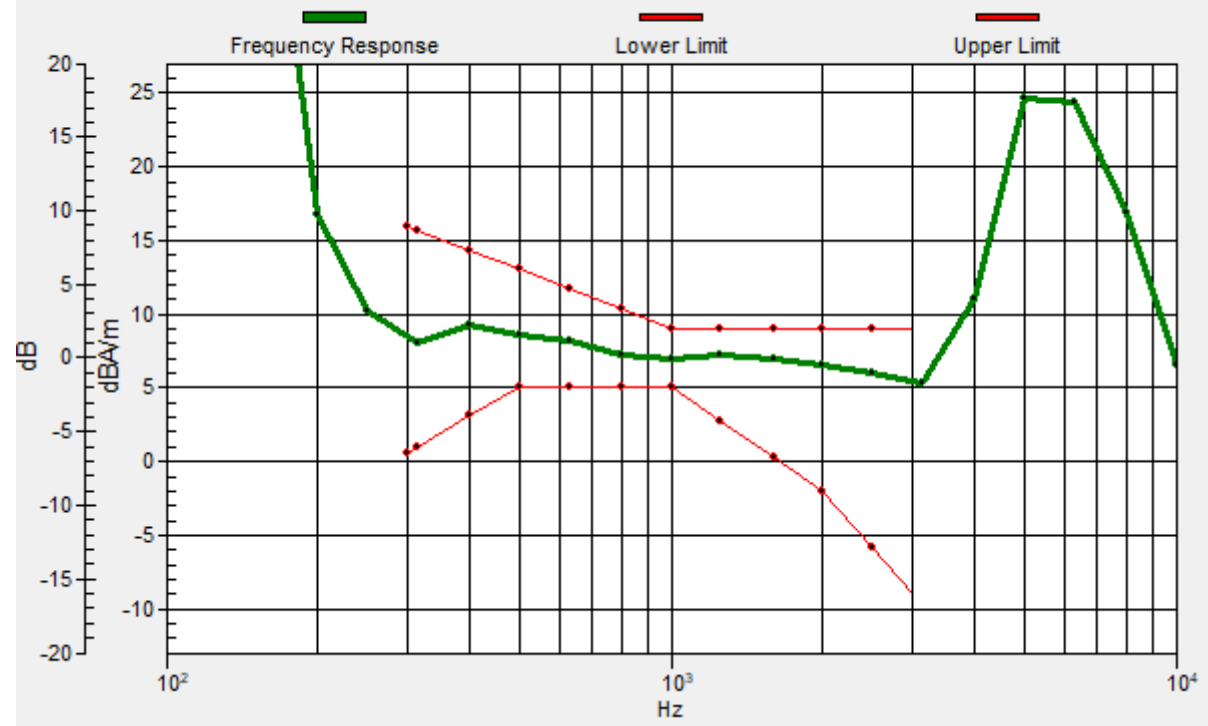
ABM1 comp = 8.76 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.1, -12.5, 3.7 mm Diff: 1.74dB



**#35\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 50.25 dB

ABM1 comp = 0.89 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#36\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Axial (Z)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

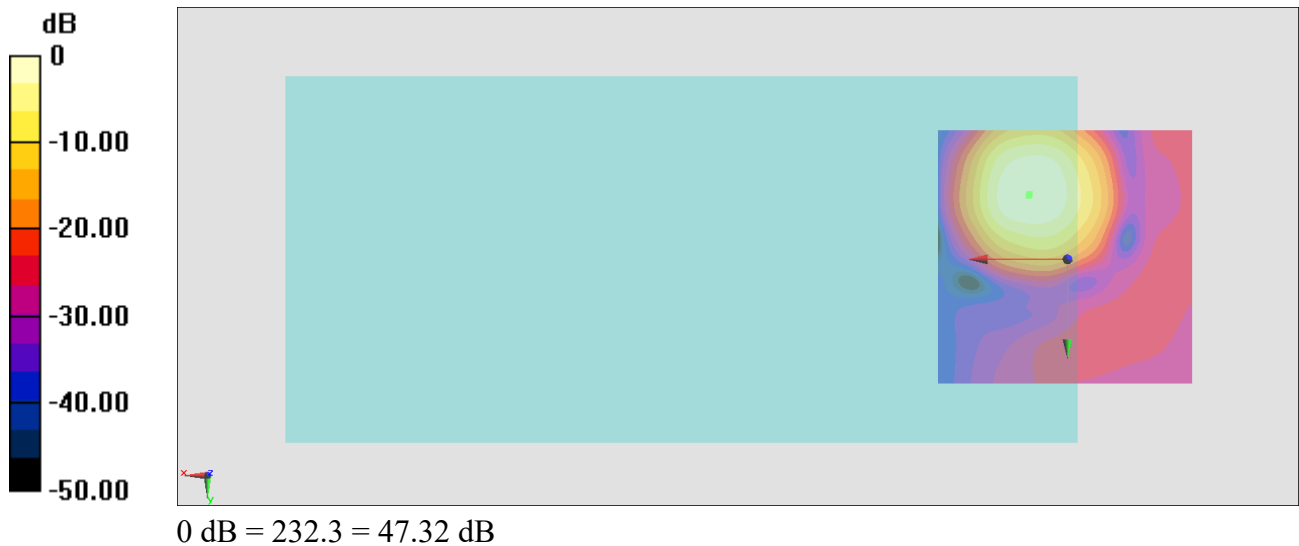
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 47.32 dB

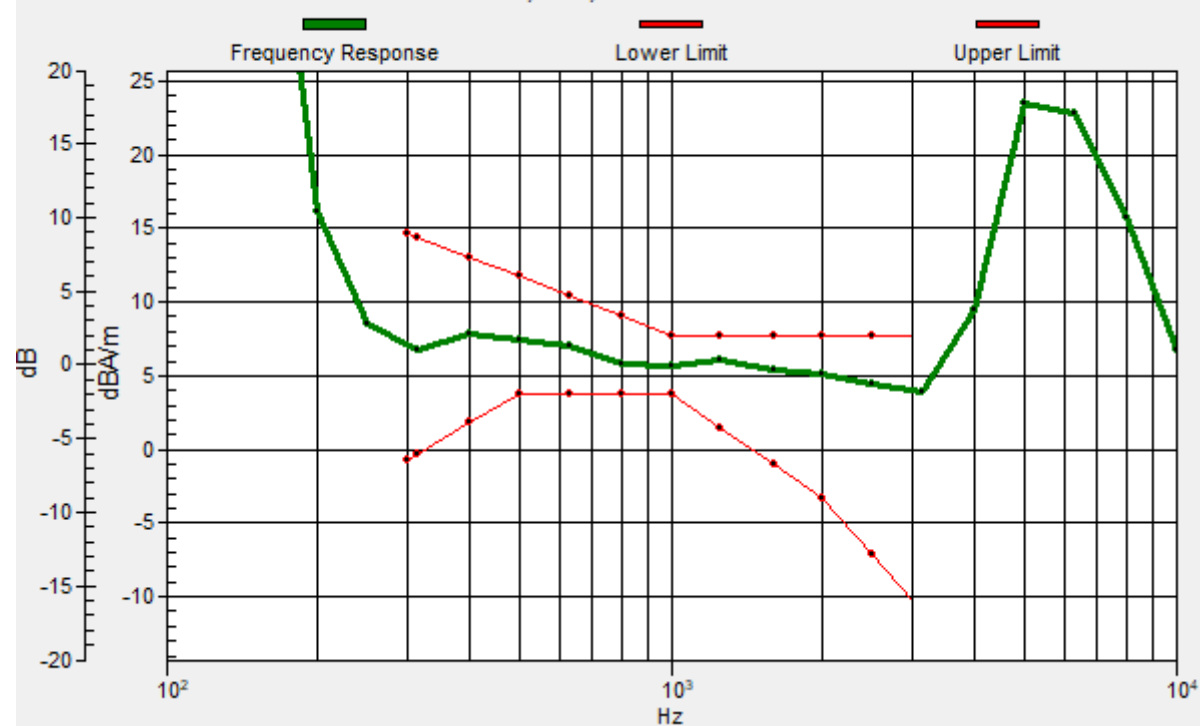
ABM1 comp = 7.21 dBA/m

Location: 7.5, -12.4, 3.7 mm



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

Loc: 7.3, -12.7, 3.7 mm Diff: 1.6dB



**#36\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Transversal (Y)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

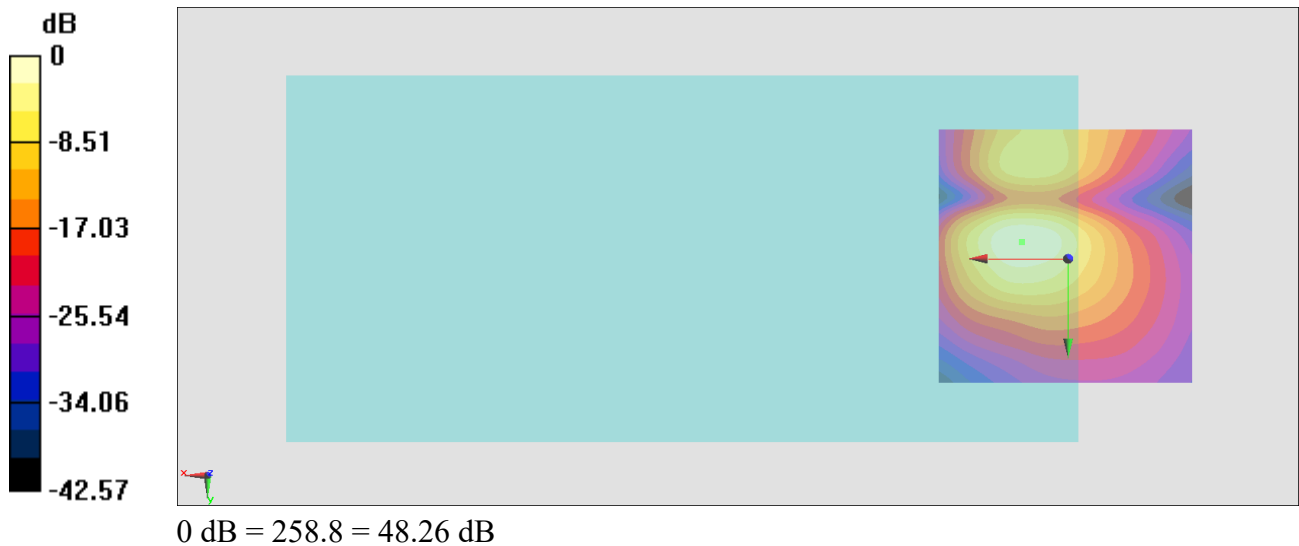
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 48.26 dB

ABM1 comp = -0.00 dBA/m

Location: 8.9, -3.3, 3.7 mm



**#37\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 49.49 dB

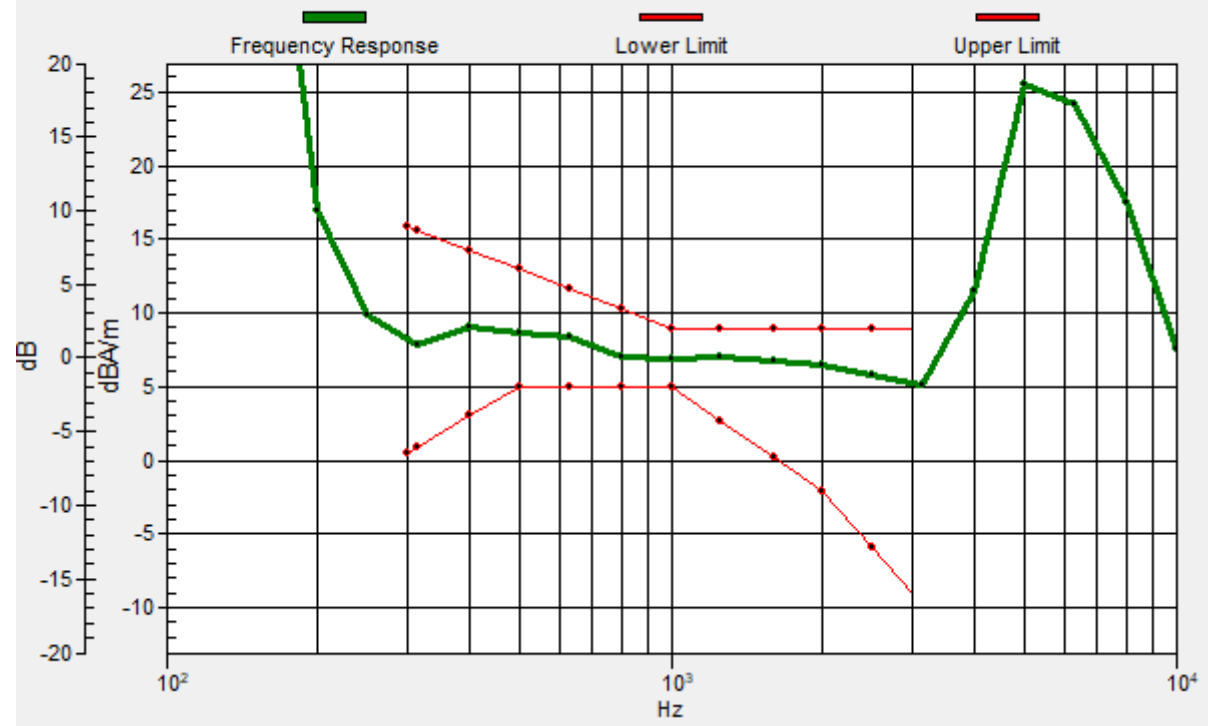
ABM1 comp = 7.37 dBA/m

Location: 9.6, -13.1, 3.7 mm



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

Loc: 9.3, -13, 3.7 mm Diff: 1.87dB



**#37\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6;Ant 3+4\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

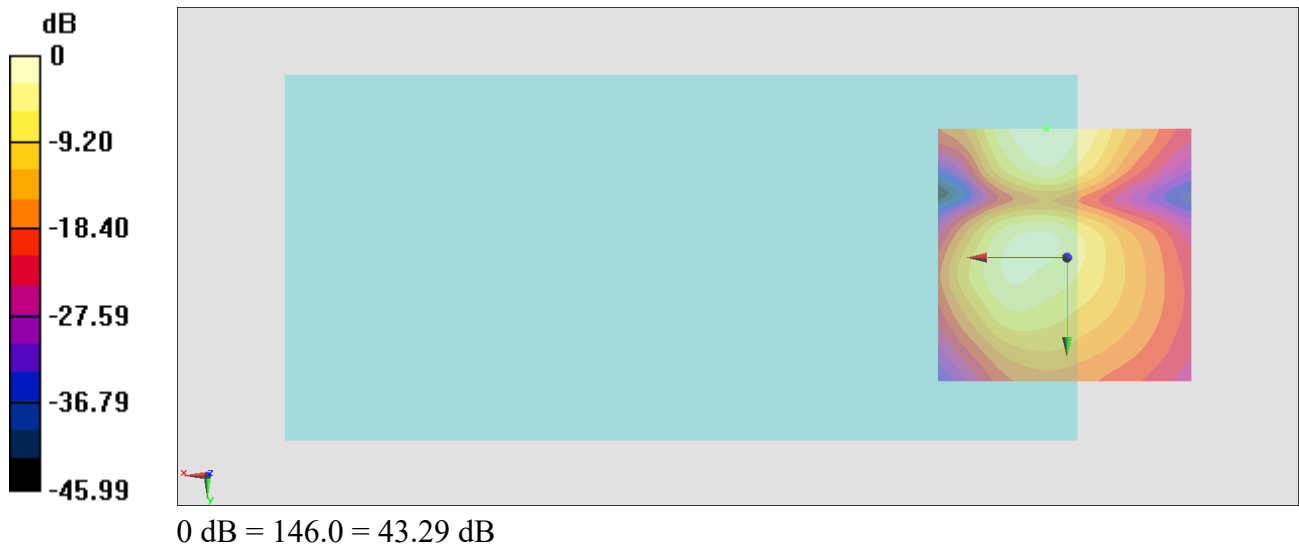
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 43.29 dB

ABM1 comp = -3.54 dBA/m

Location: 4, -25, 3.7 mm



**#38\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch173;Ant 3+4\_Axial (Z)**

Communication System:802.11a; Frequency: 5865 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

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

ABM1/ABM2 = 44.25 dB

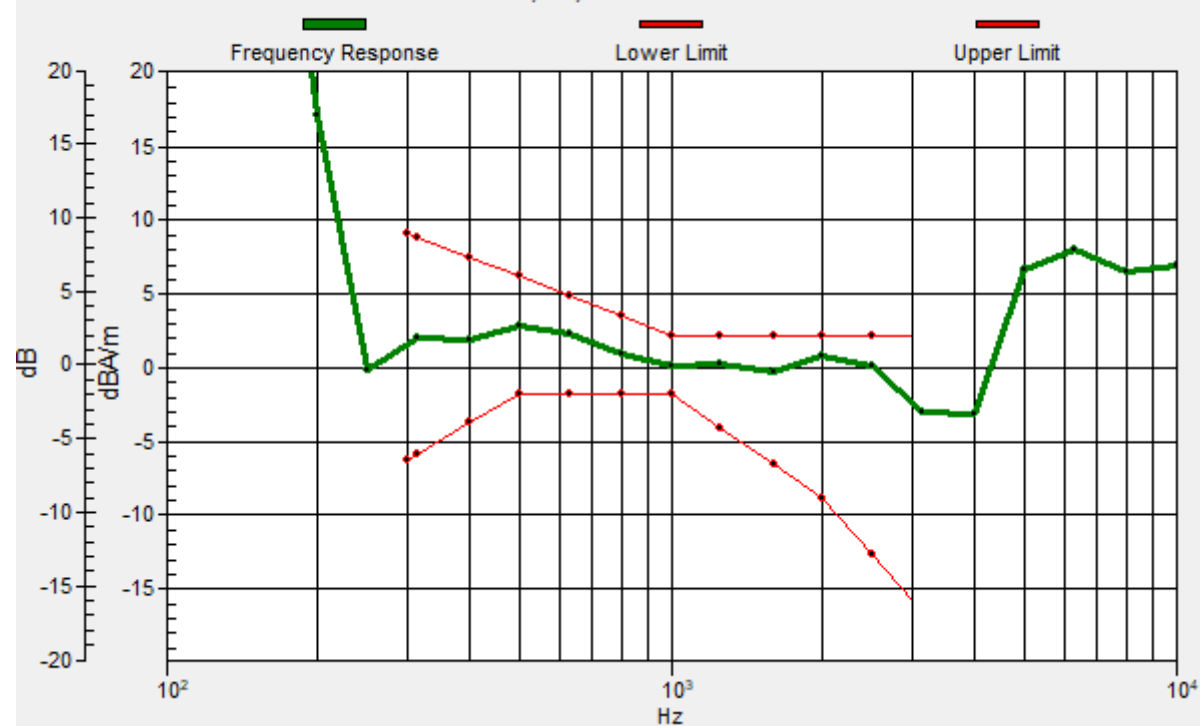
ABM1 comp = -4.27 dBA/m

Location: 6.8, -13.1, 3.7 mm



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

Loc: 6.7, -13, 3.7 mm Diff: 1.33dB



**#38\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch173;Ant 3+4\_Transversal (Y)**

Communication System: 802.11a; Frequency: 5865 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

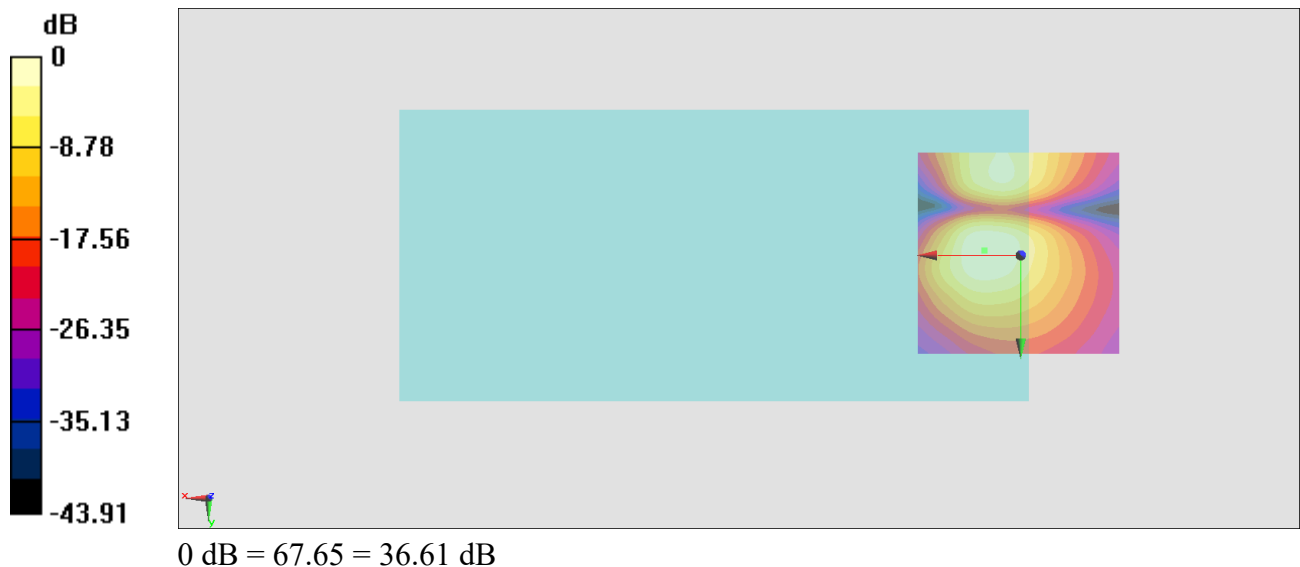
**General Scans/y (transversal) 4.2mm 50 x 50 2 2/ABM Interpolated SNR(x,y,z)**

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

ABM1/ABM2 = 36.61 dB

ABM1 comp = -8.02 dBA/m

Location: 8.9, -1.2, 3.7 mm



**#39\_HAC\_T-Coil\_LTE Band 5\_10M\_QPSK\_1\_0\_Ch20525\_Axial (Z)**

Communication System: LTE; Frequency: 836.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

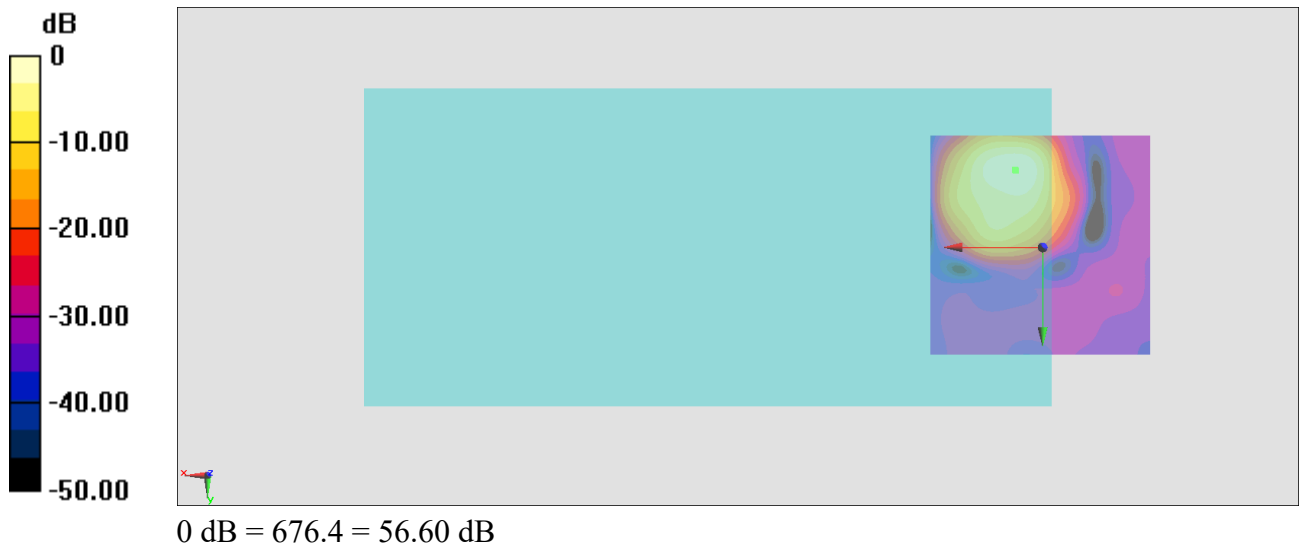
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 56.60 dB

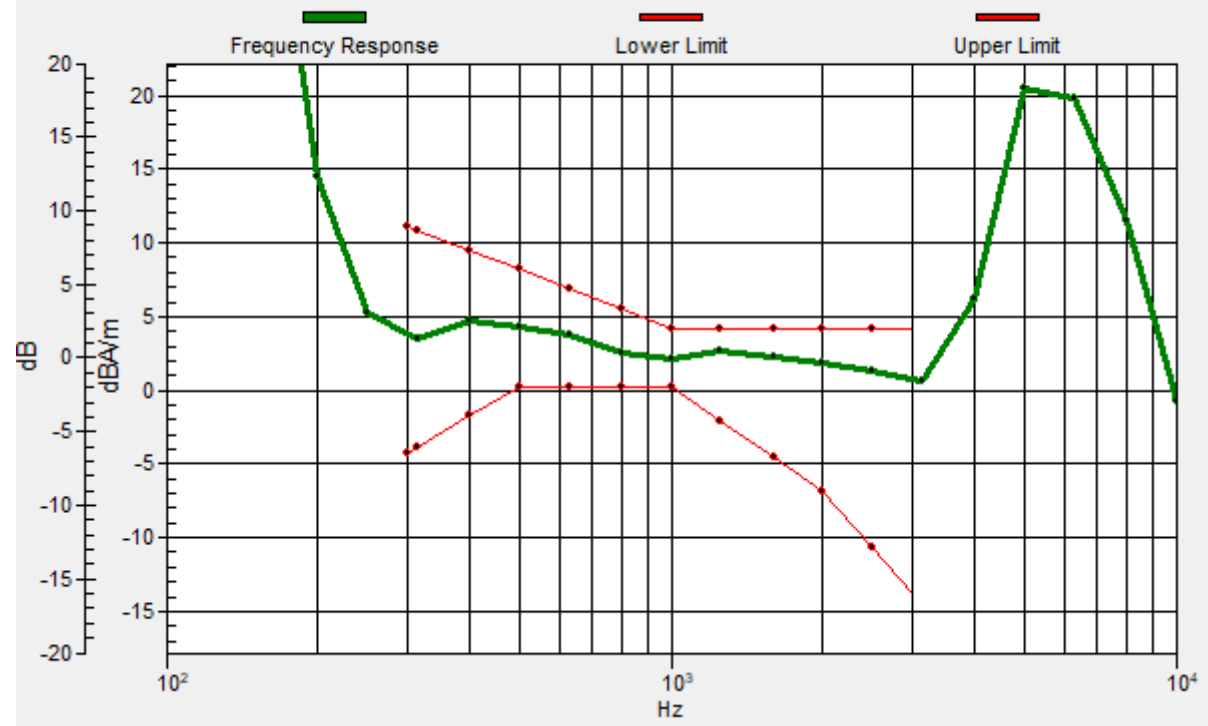
ABM1 comp = 7.38 dBA/m

Location: 6.1, -17.3, 3.7 mm



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

Loc: 6, -17.2, 3.7 mm Diff: 1.48dB



**#39\_HAC\_T-Coil\_LTE Band 5\_10M\_QPSK\_1\_0\_Ch20525\_Transversal (Y)**

Communication System: LTE; Frequency: 836.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 50.86 dB

ABM1 comp = 1.12 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#40\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

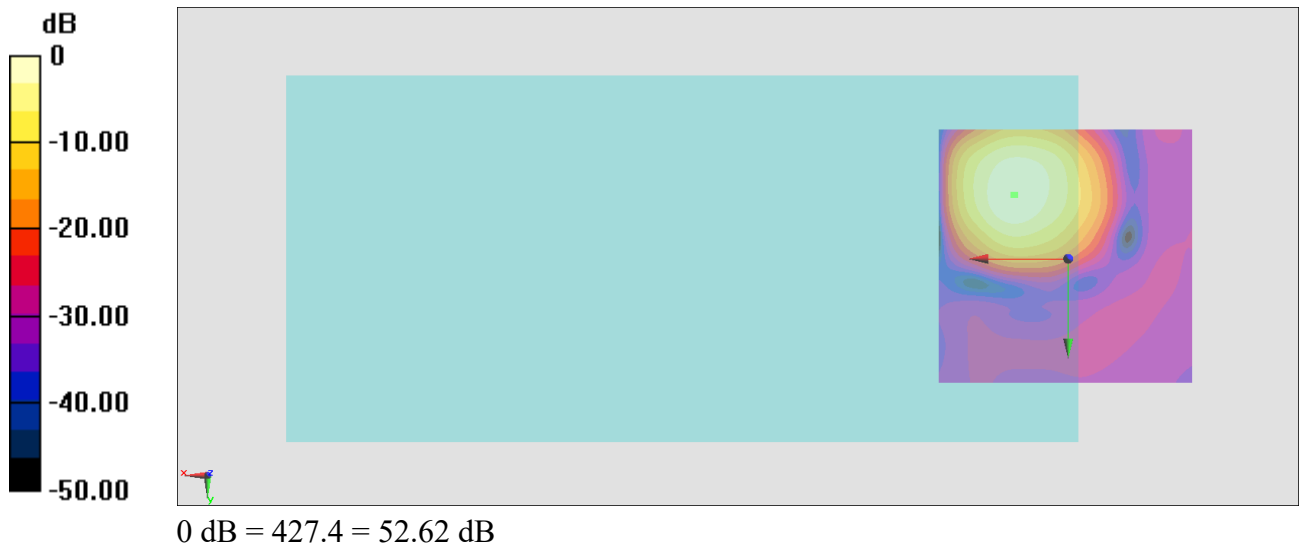
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 52.62 dB

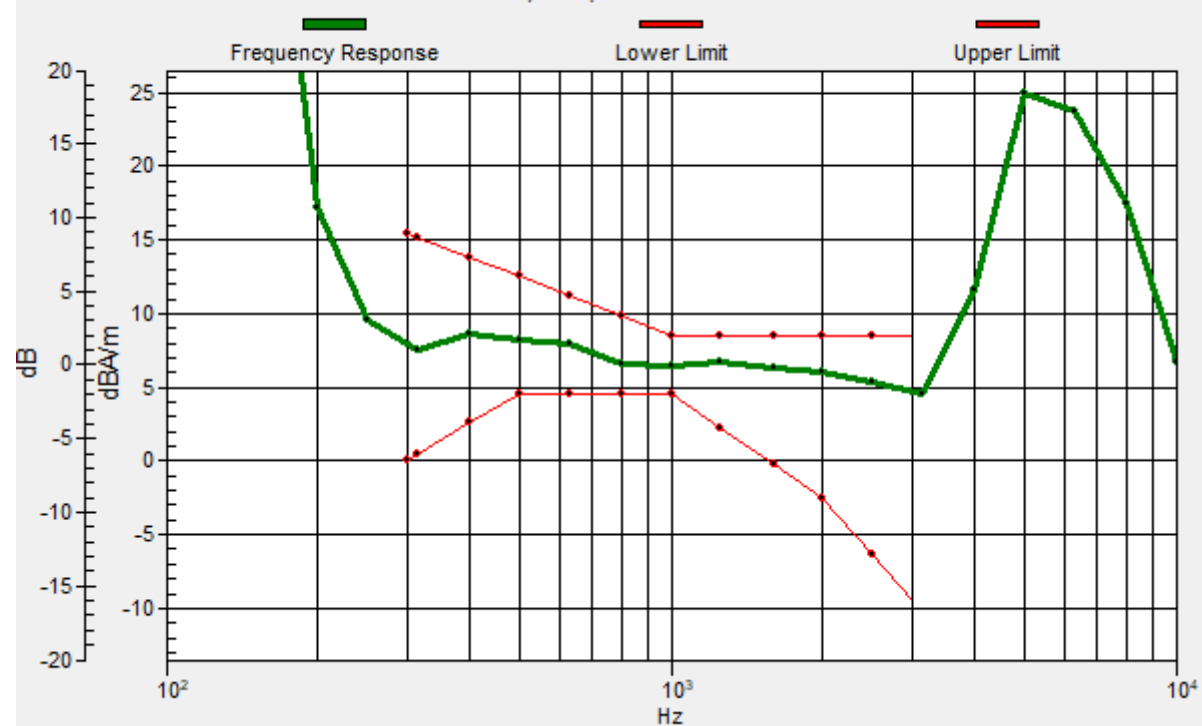
ABM1 comp = 8.05 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.5, -12.3, 3.7 mm Diff: 1.76dB



**#40\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

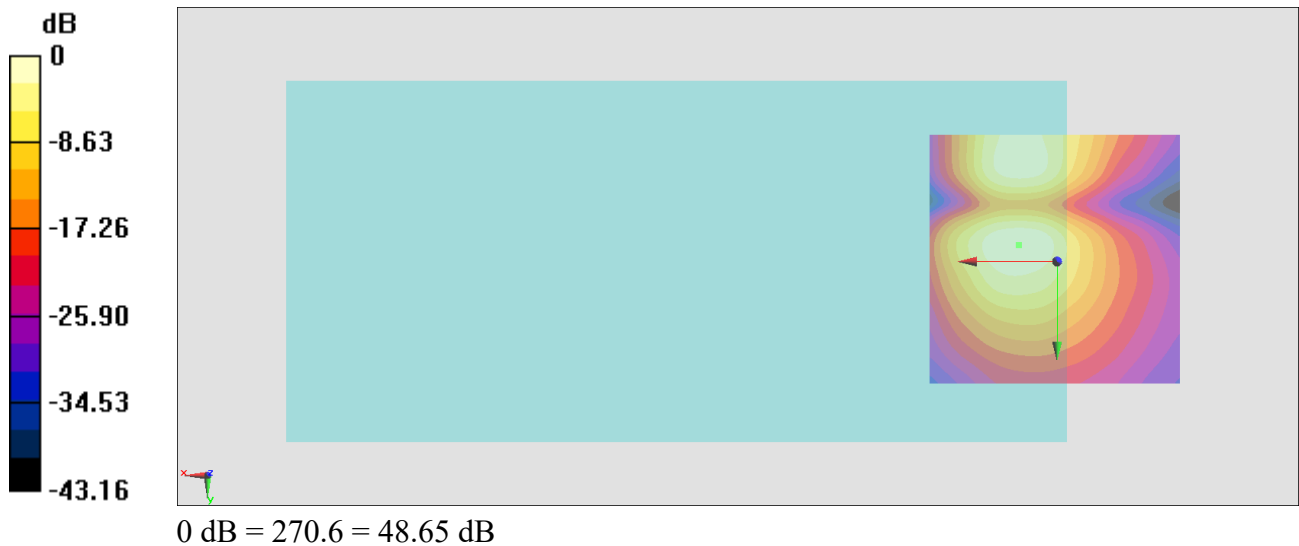
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 48.65 dB

ABM1 comp = -0.61 dBA/m

Location: 7.5, -3.3, 3.7 mm



**#41\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Axial (Z)**

Communication System: LTE; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

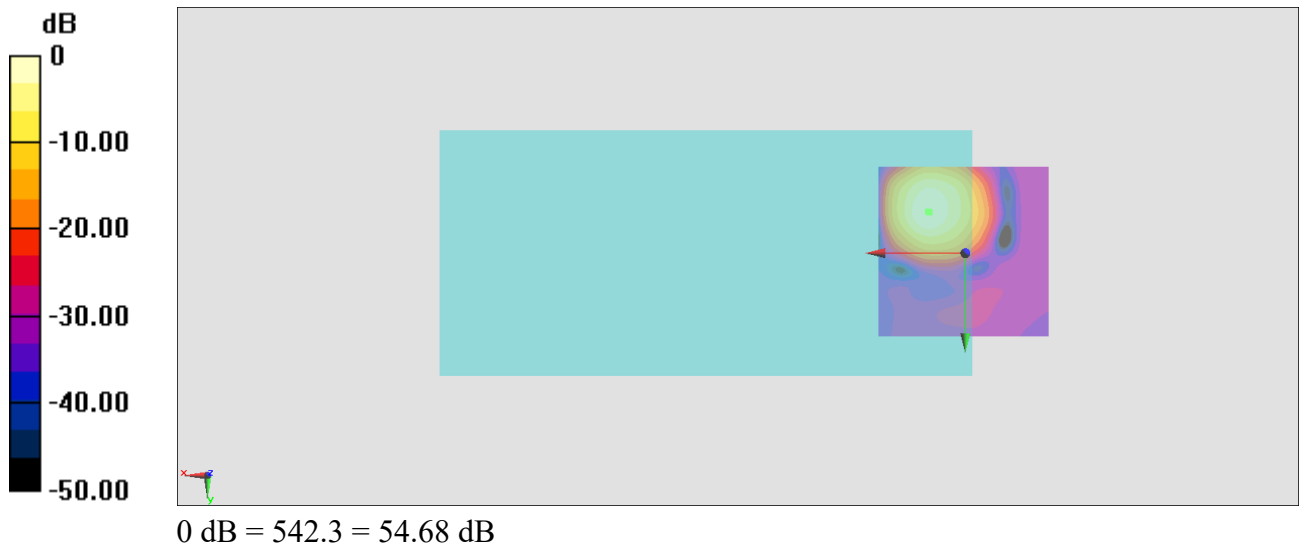
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 54.68 dB

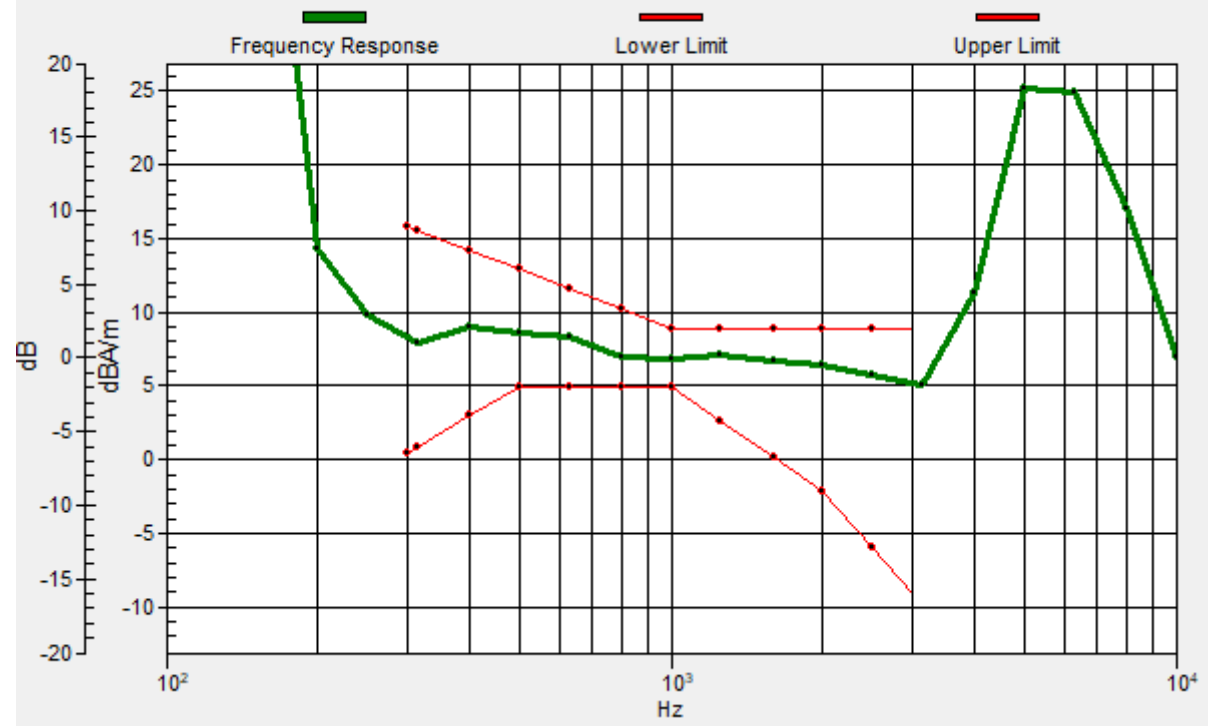
ABM1 comp = 9.20 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.6, -11.9, 3.7 mm Diff: 1.85dB



**#41\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Transversal (Y)**

Communication System: LTE; Frequency: 707.5 MHz

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

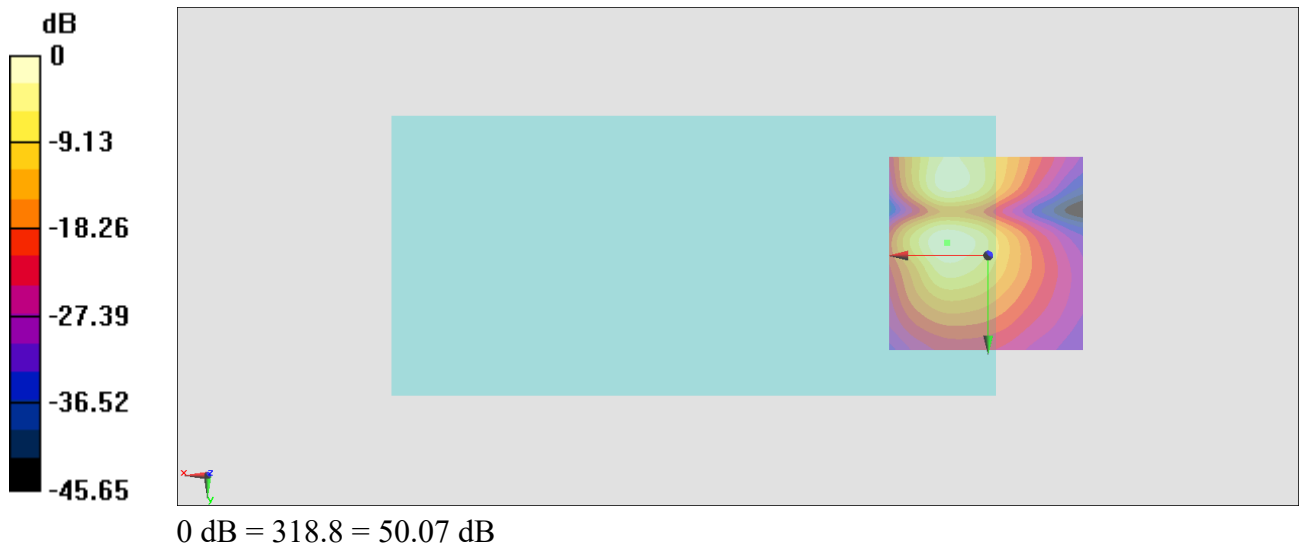
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 50.07 dB

ABM1 comp = 0.94 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#42\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 54.90 dB

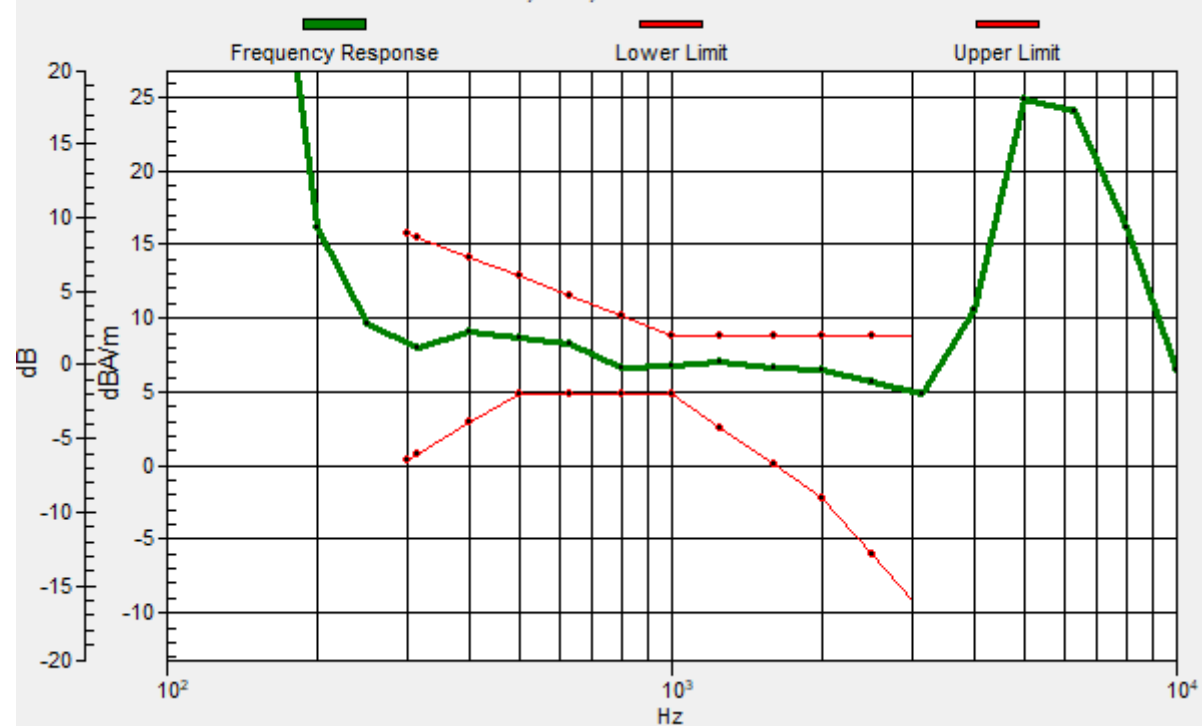
ABM1 comp = 9.22 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.6, -11.9, 3.7 mm Diff: 1.76dB



**#42\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

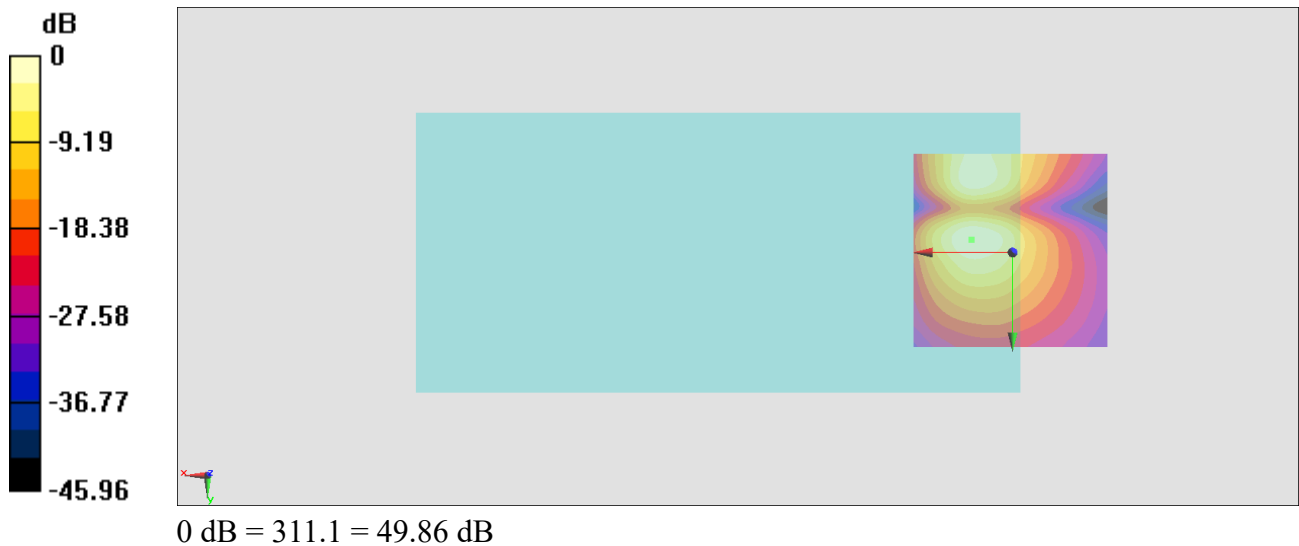
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 49.86 dB

ABM1 comp = 0.46 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#43\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1\_0\_Ch27710\_Axial (Z)**

Communication System: LTE); Frequency: 2310 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 54.14 dB

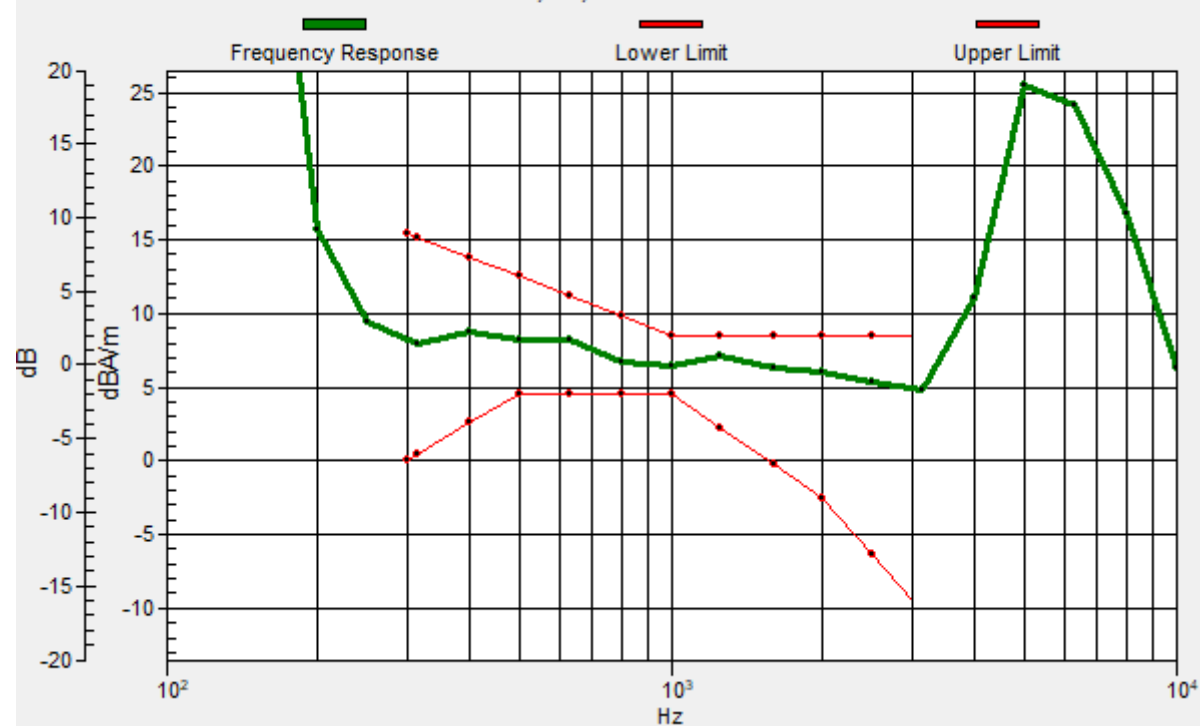
ABM1 comp = 8.77 dBA/m

Location: 10.3, -11.7, 3.7 mm



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

Loc: 10.4, -12, 3.7 mm Diff: 1.41dB



**#43\_HAC\_T-Coil\_LTE Band 30\_10M\_QPSK\_1\_0\_Ch27710\_Transversal (Y)**

Communication System:LTE; Frequency: 2310 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

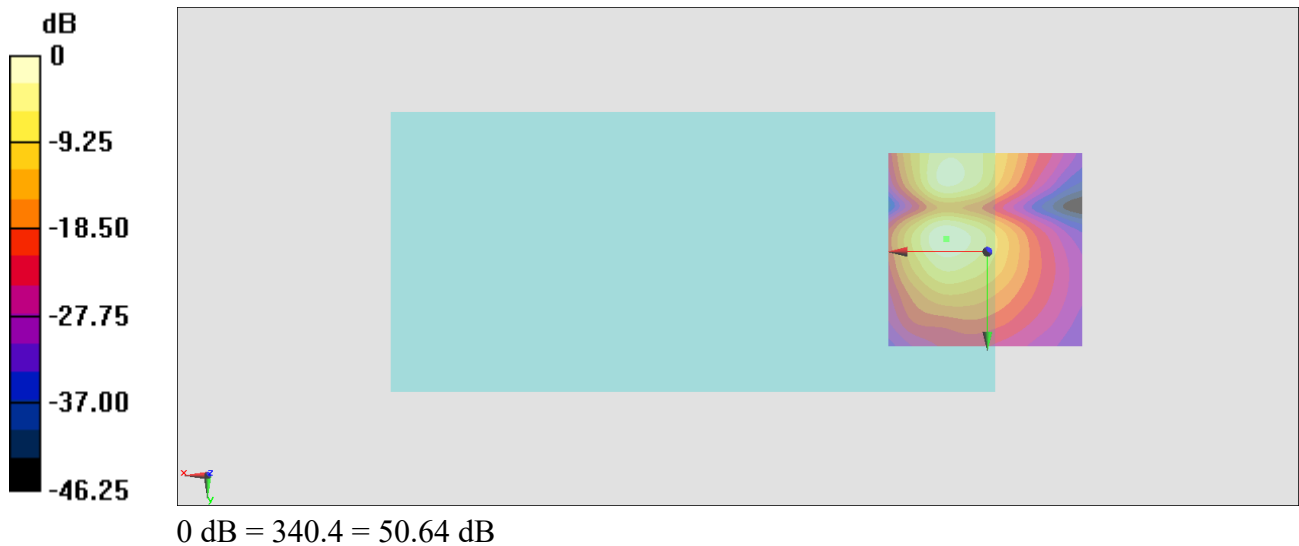
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 50.64 dB

ABM1 comp = 1.44 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#44\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

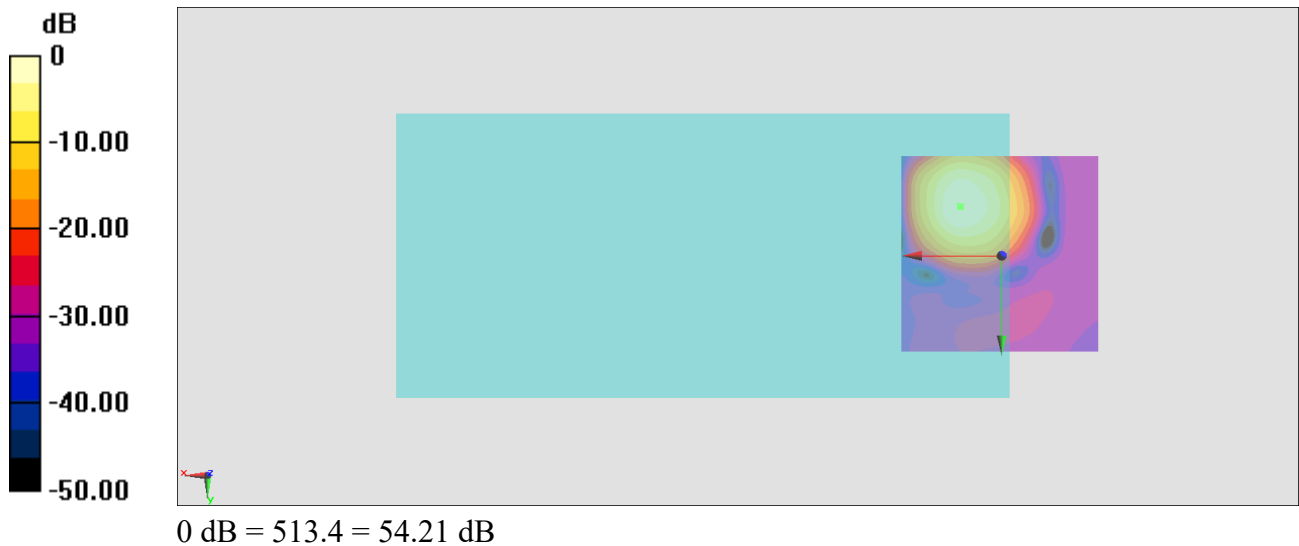
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 54.21 dB

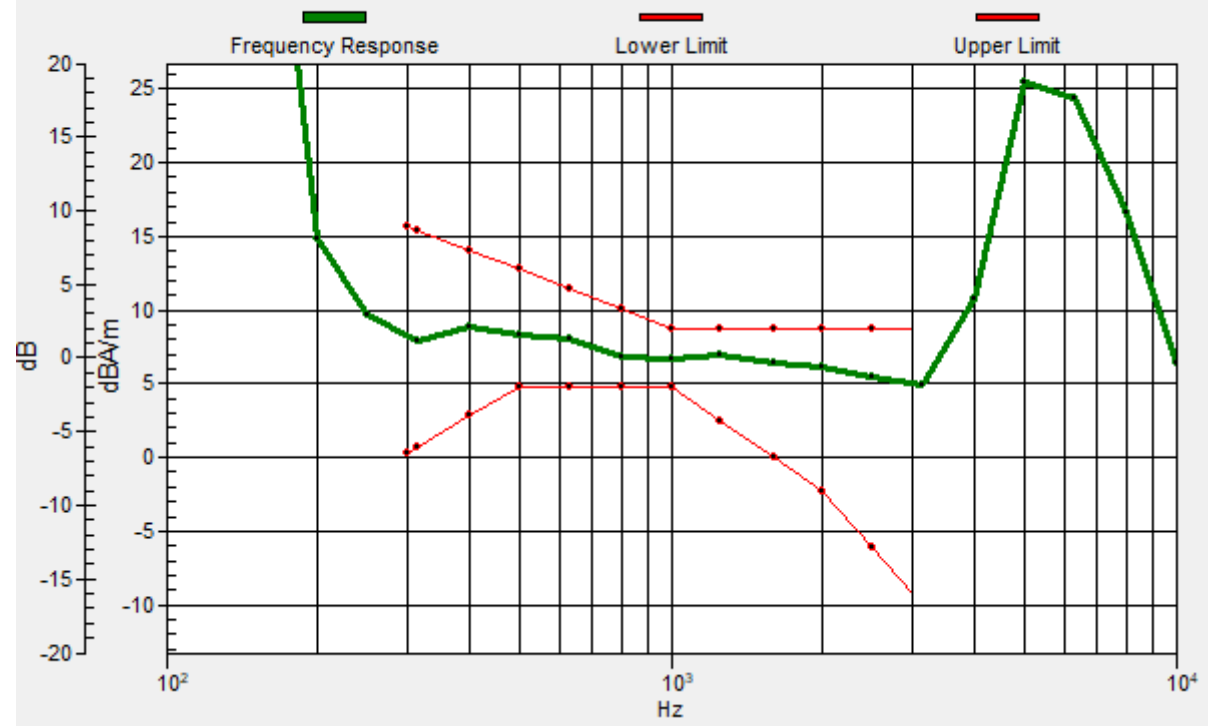
ABM1 comp = 8.94 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10.2, -12.1, 3.7 mm Diff: 1.79dB



**#44\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 49.89 dB

ABM1 comp = 1.08 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#45\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 53.88 dB

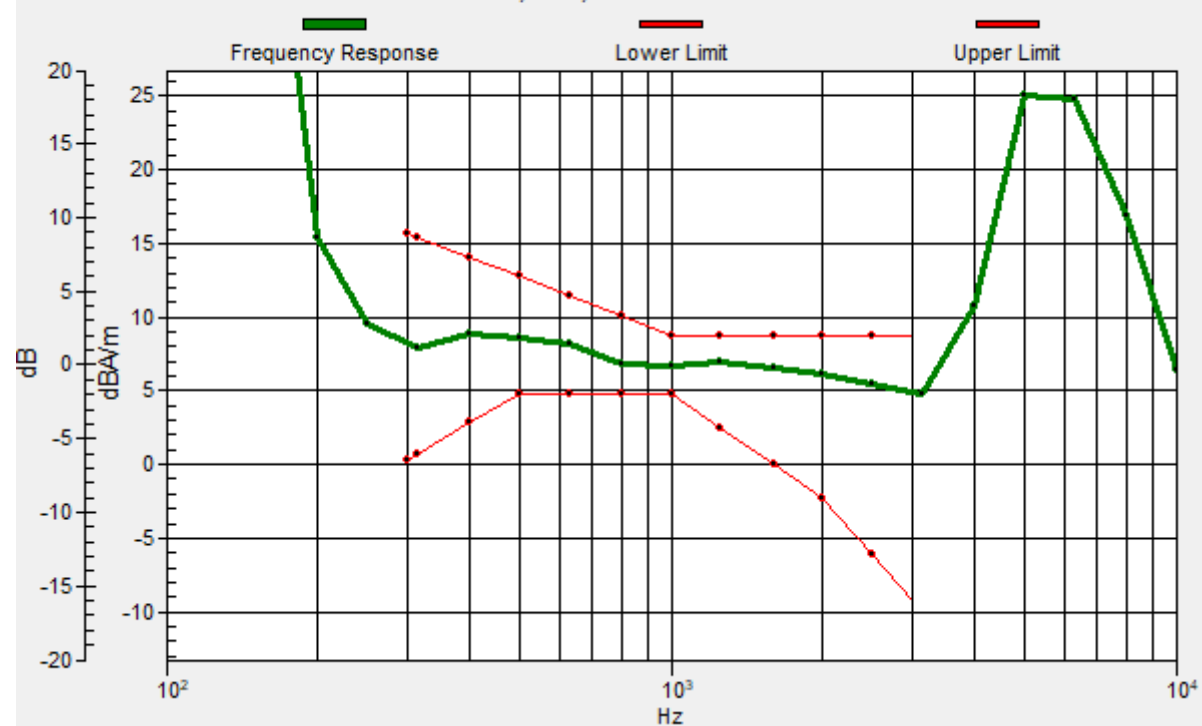
ABM1 comp = 8.84 dBA/m

Location: 10.3, -12.4, 3.7 mm



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

Loc: 10, -12.3, 3.7 mm Diff: 1.77dB



**#45\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

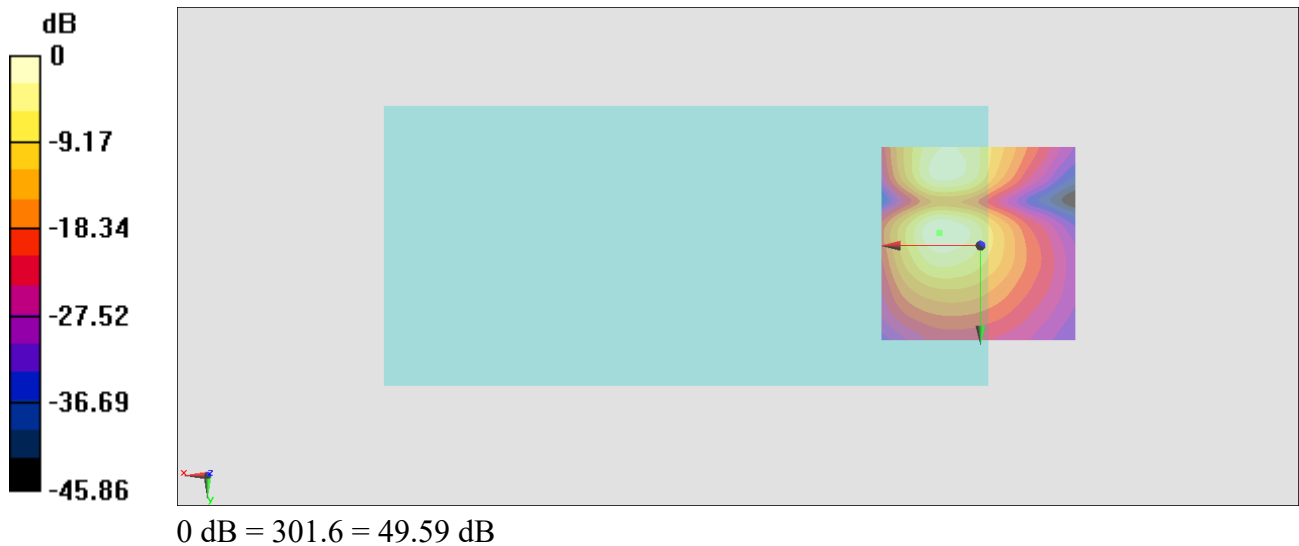
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 49.59 dB

ABM1 comp = 0.75 dBA/m

Location: 10.3, -3.3, 3.7 mm



**#46\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Axial (Z)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

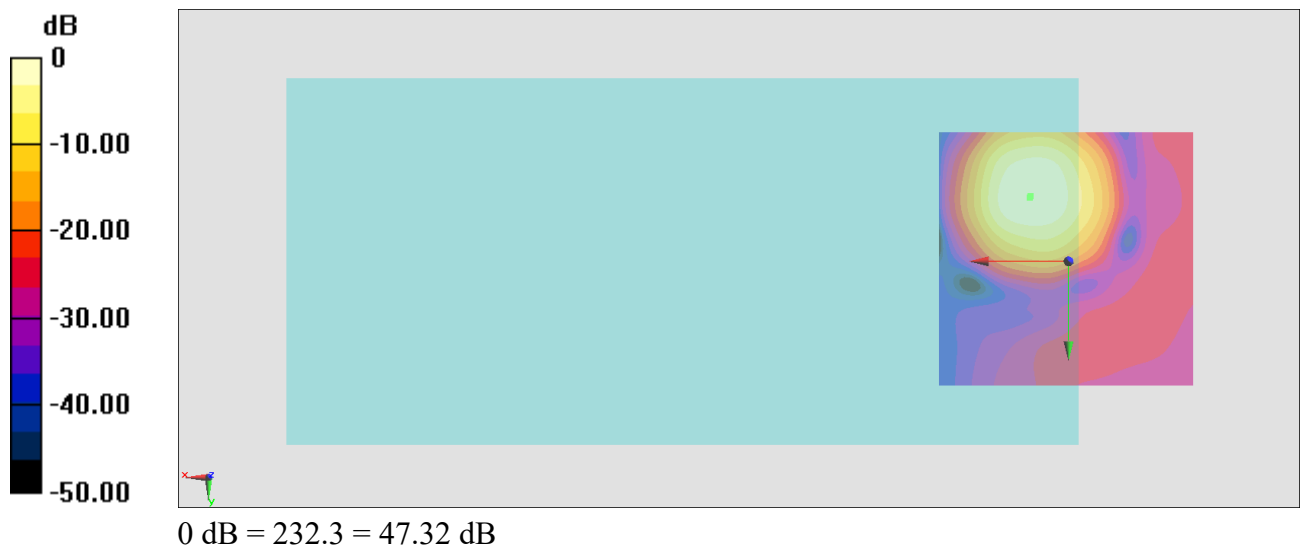
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 47.32 dB

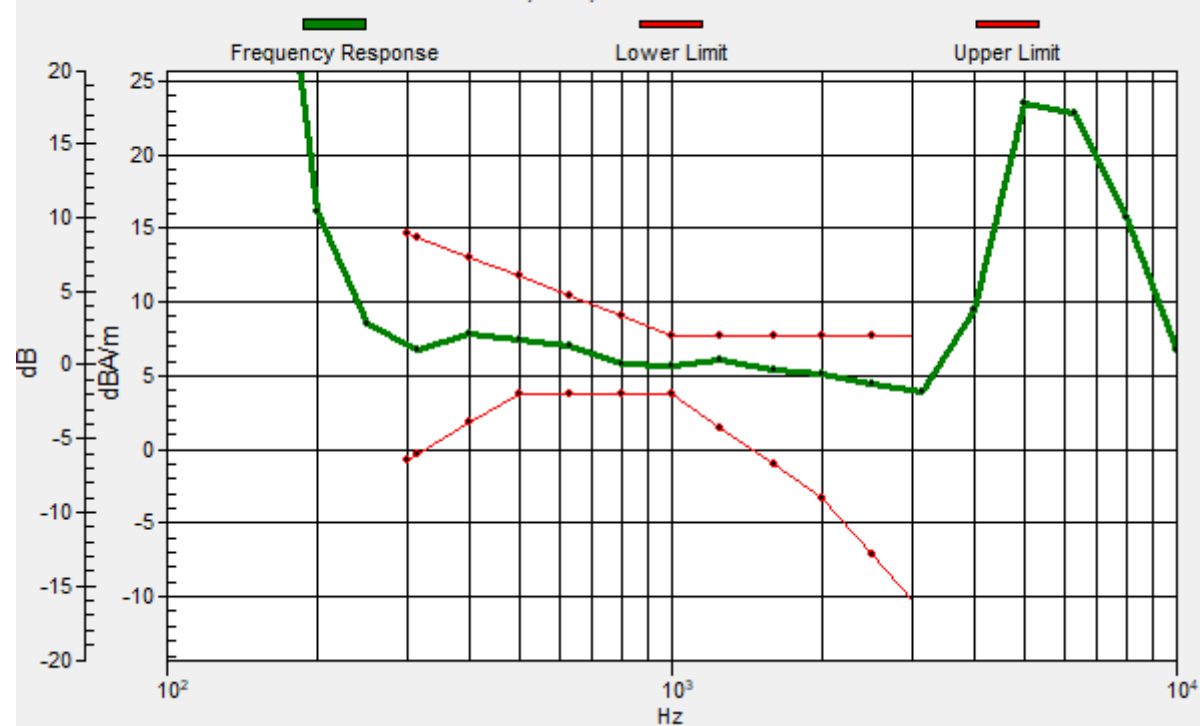
ABM1 comp = 7.21 dBA/m

Location: 7.5, -12.4, 3.7 mm



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

Loc: 7.3, -12.7, 3.7 mm Diff: 1.6dB



**#46\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Transversal (Y)**

Communication System: LTE TDD; Frequency: 3609 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: 2021/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2021/8/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 48.26 dB

ABM1 comp = -0.00 dBA/m

Location: 8.9, -3.3, 3.7 mm

