

#01_HAC_T-Coil_GSM850_Voice(speech codec handset low)_Ch189_Axial (Z)

Communication System: GSM850 ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

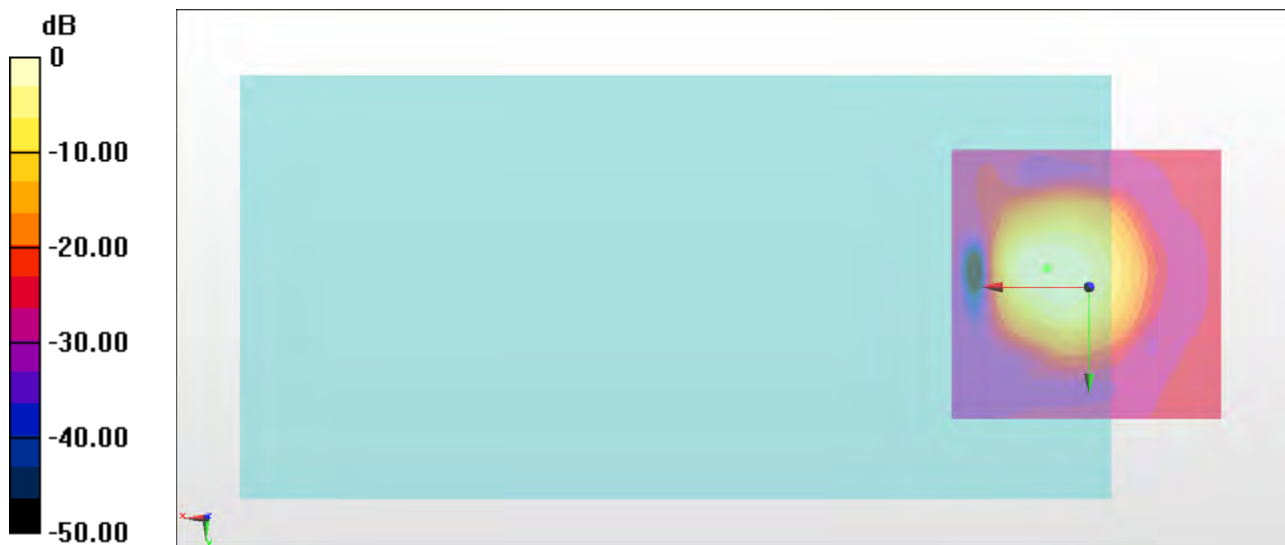
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 22.61 dB

ABM1 comp = 4.27 dBA/m

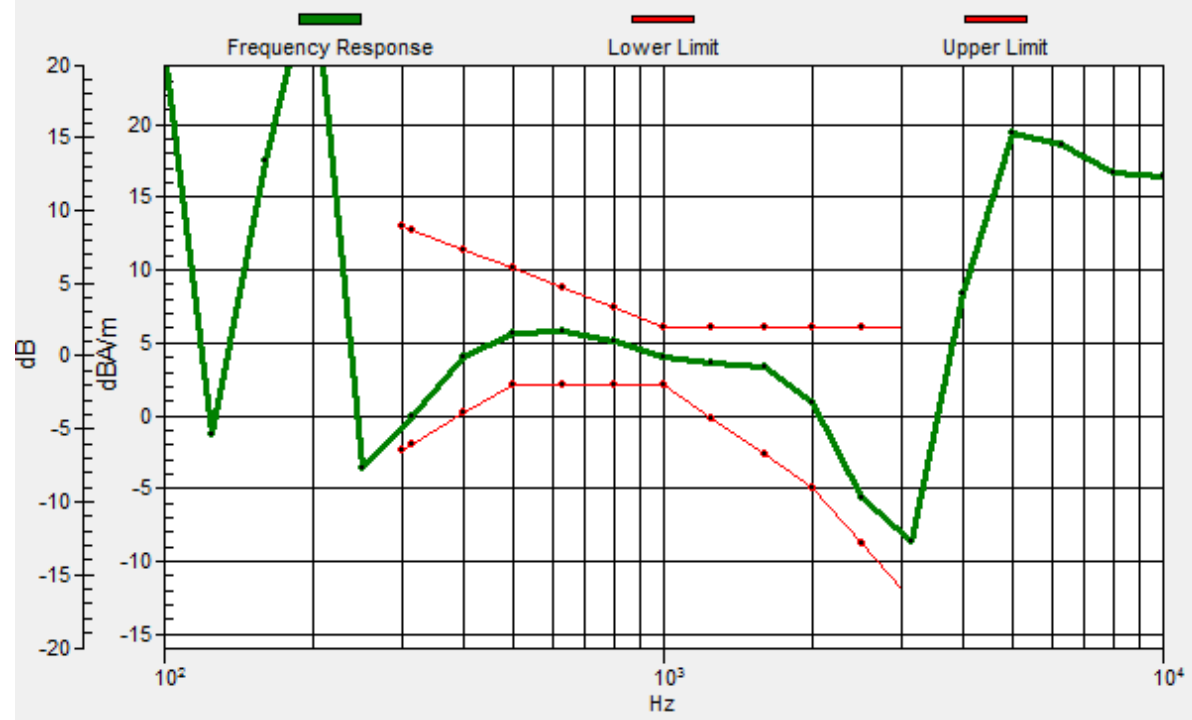
Location: 7.5, -3.3, 3.7 mm



0 dB = 13.50 = 22.61 dB

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

Loc: 7.7, -3.5, 3.7 mm Diff: 1.46dB



#01_HAC_T-Coil_GSM850_Voice(speech codec handset low)_Ch189_Transversal (Y)

Communication System: GSM850 ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 25.29 dB

ABM1 comp = -6.99 dBA/m

Location: -3.7, 10, 3.7 mm



#02_HAC_T-Coil_GSM1900_Voice(speech codec handset low)_Ch661_Axial (Z)

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

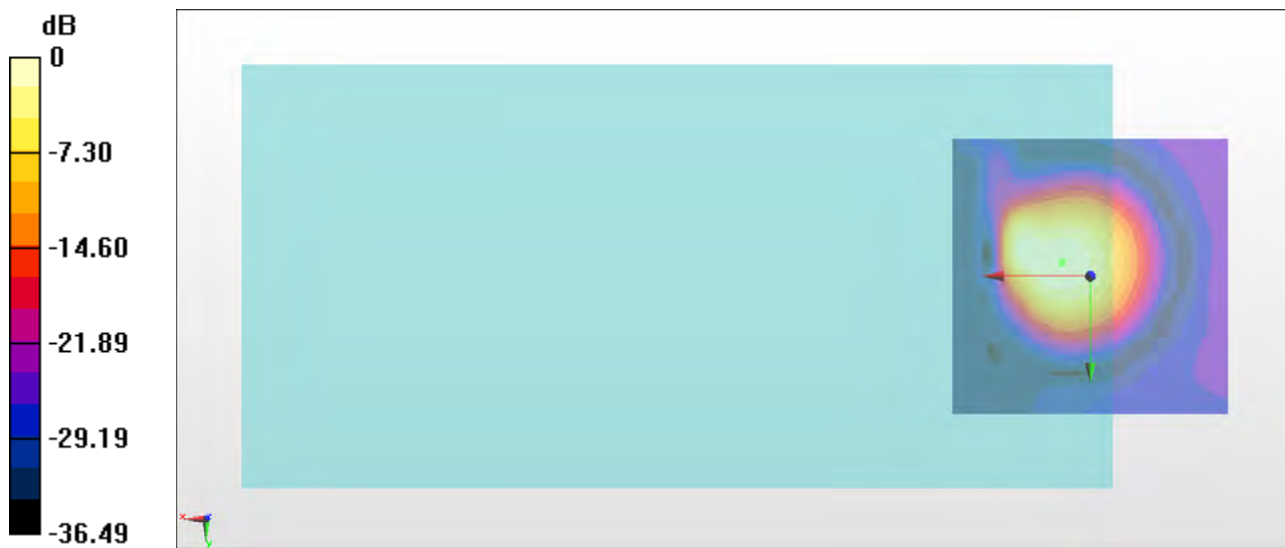
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 25.79 dB

ABM1 comp = 6.00 dBA/m

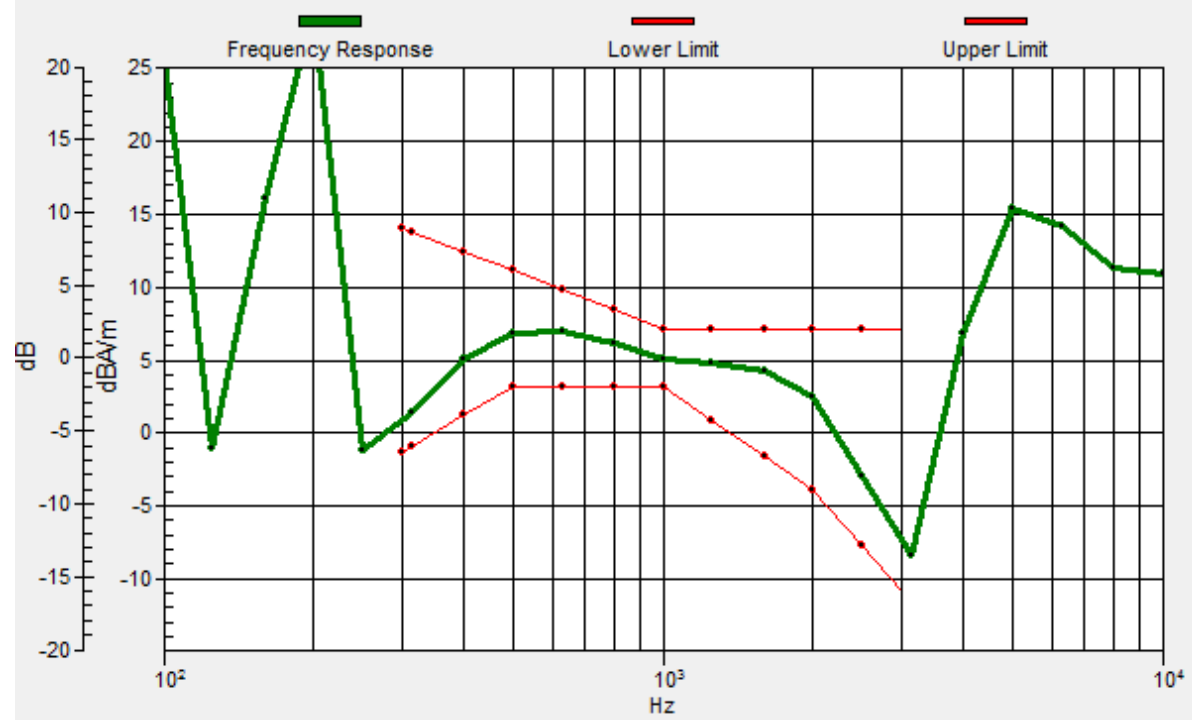
Location: 5, -2.5, 3.7 mm



0 dB = 19.47 = 25.79 dB

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

Loc: 5.2, -2.3, 3.7 mm Diff: 2dB



#02_HAC_T-Coil_GSM1900_Voice(speech codec handset low)_Ch661_Transversal (Y)

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 25.08 dB

ABM1 comp = -10.00 dBA/m

Location: -5.8, 12.1, 3.7 mm



#03_HAC_T-Coil_WCDMA II_Voice (speech codec low)_Ch9400_Axial (Z)

Communication System: WCDMA ; Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

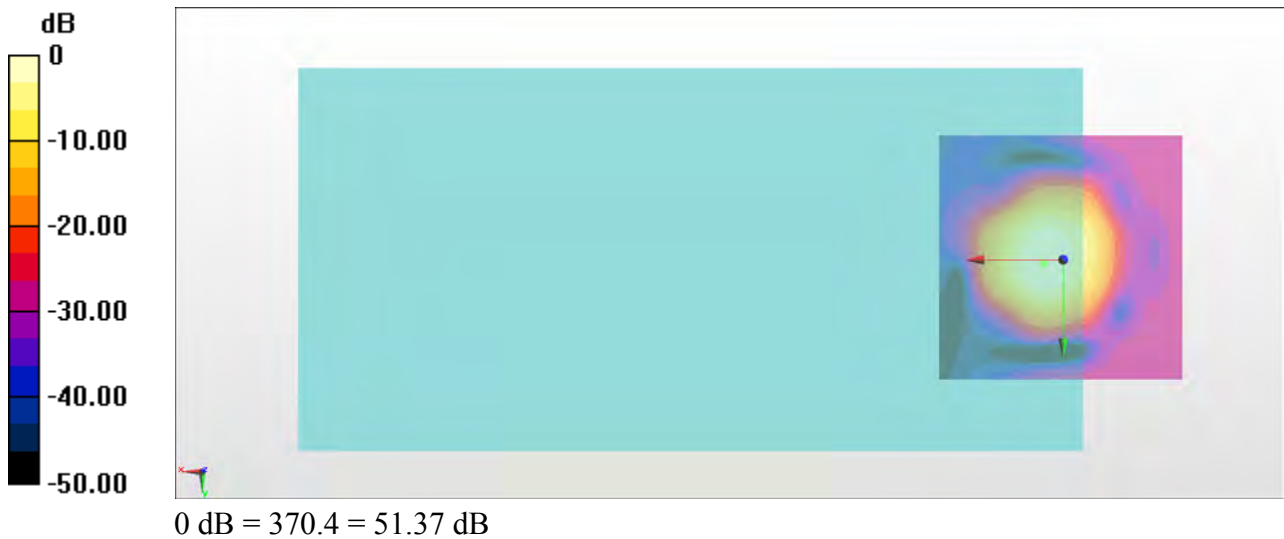
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 51.37 dB

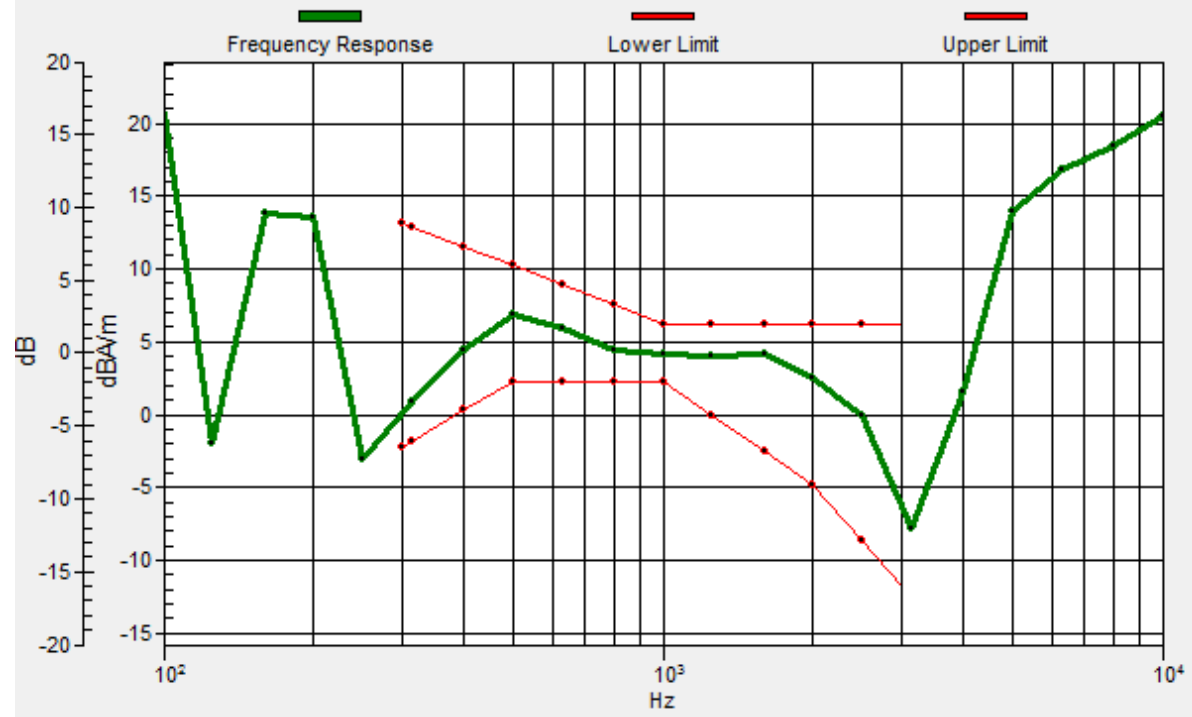
ABM1 comp = 5.56 dBA/m

Location: 4, 0.9, 3.7 mm



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

Loc: 3.7, 0.6, 3.7 mm Diff: 2dB



#03_HAC_T-Coil_WCDMA II_Voice (speech codec low)_Ch9400_Transversal (Y)

Communication System: WCDMA ; Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

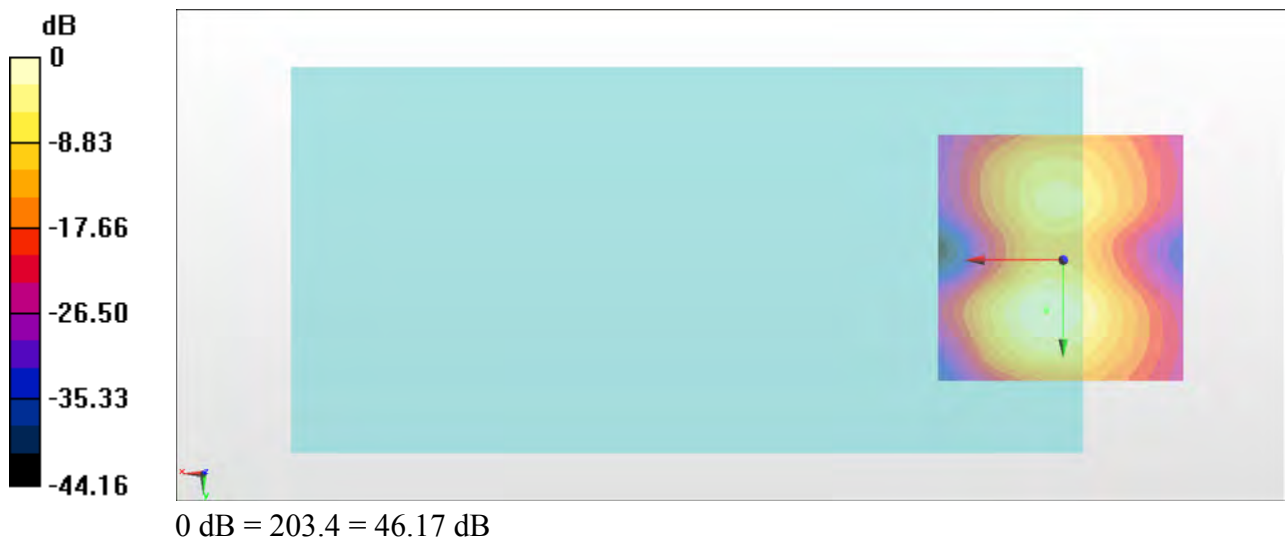
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 46.17 dB

ABM1 comp = -2.18 dBA/m

Location: 3.3, 10, 3.7 mm



#04_HAC_T-Coil_WCDMA IV_Voice (speech codec low)_Ch1413_Axial (Z)

Communication System: WCDMA ; Frequency: 1732.6 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

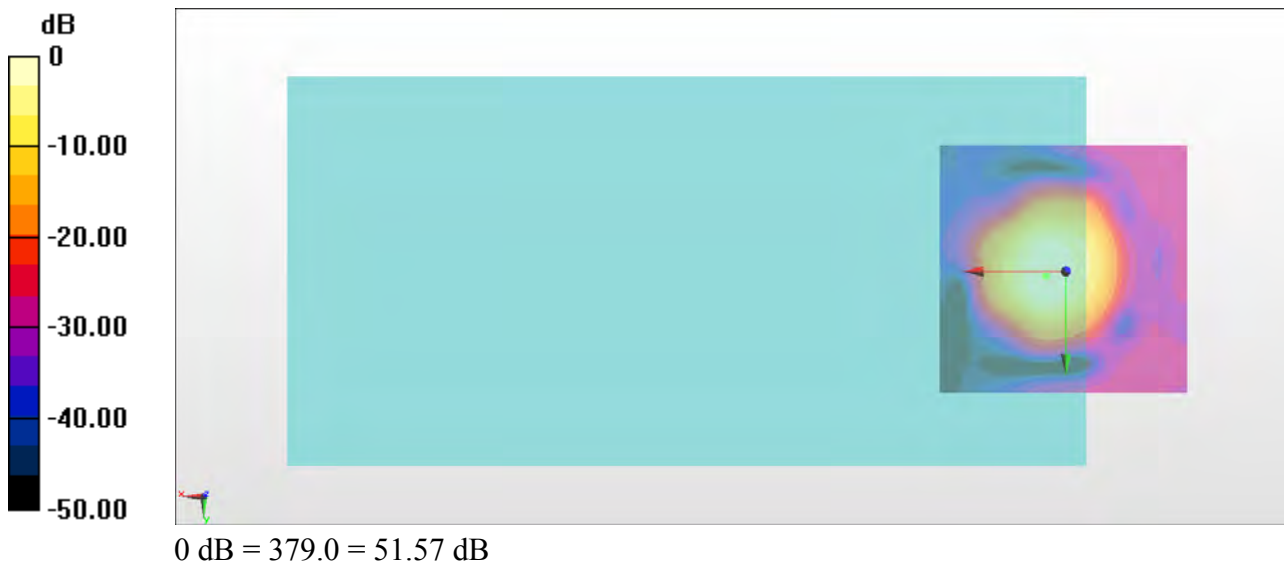
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 51.57 dB

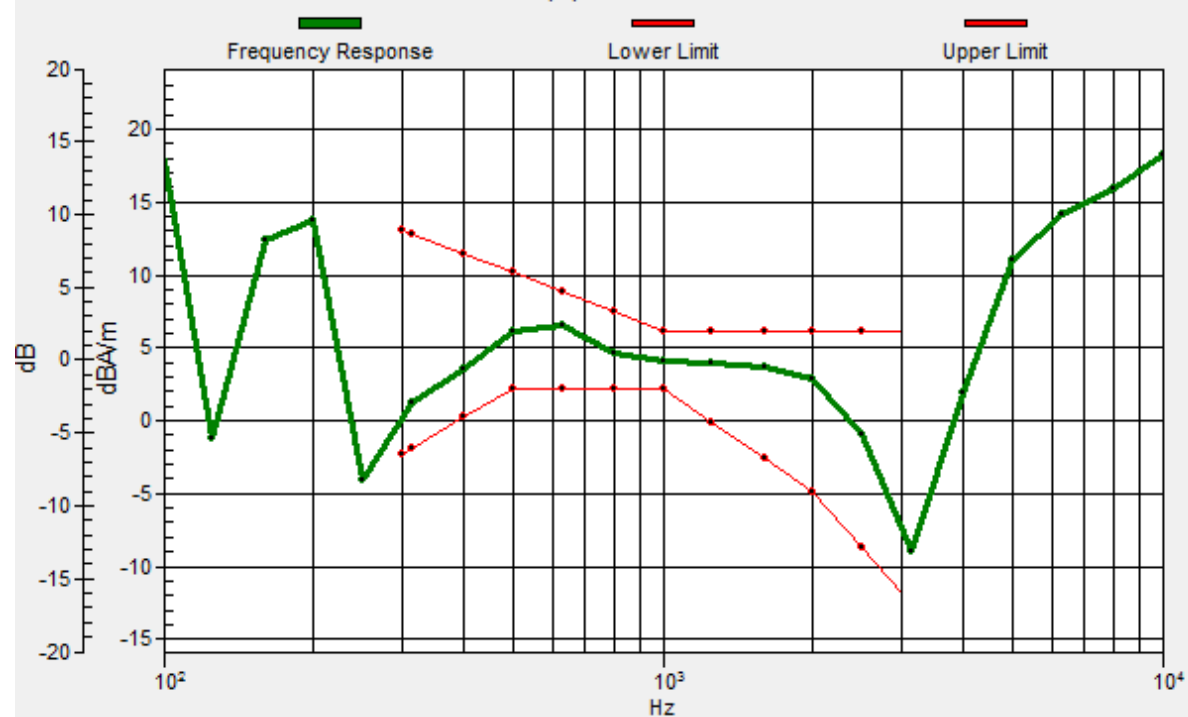
ABM1 comp = 5.67 dBA/m

Location: 4, 0.9, 3.7 mm



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

Loc: 3.7, 1, 3.7 mm Diff: 2dB



#04_HAC_T-Coil_WCDMA IV_Voice (speech codec low)_Ch1413_Transversal (Y)

Communication System: WCDMA ; Frequency: 1732.6 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

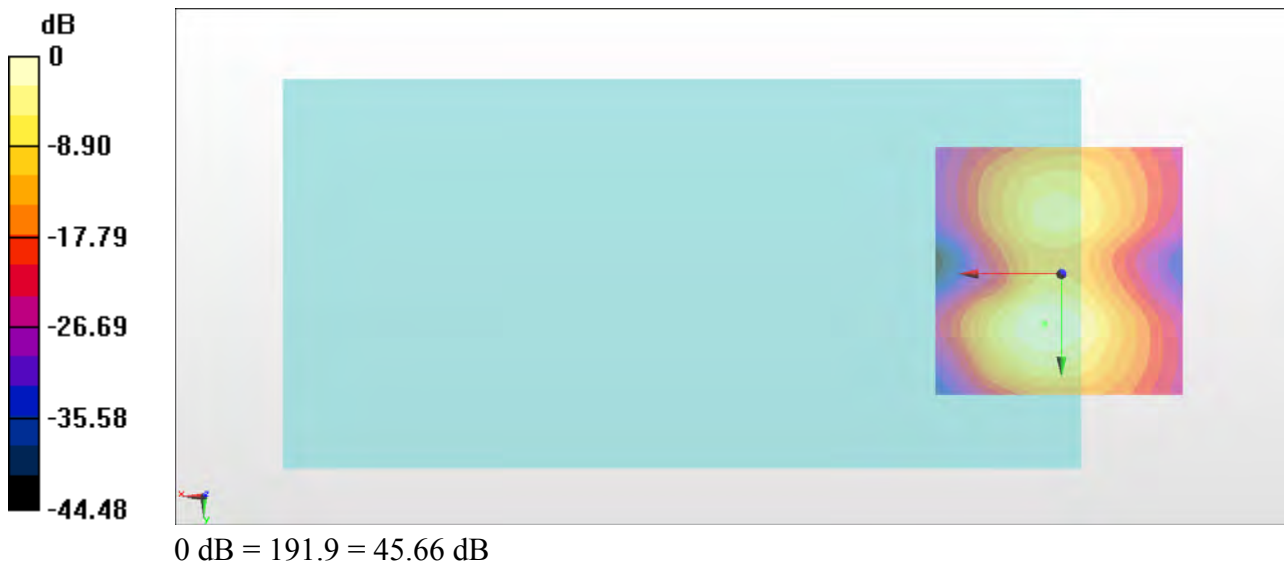
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 45.66 dB

ABM1 comp = -2.37 dBA/m

Location: 3.3, 10, 3.7 mm



#05_HAC_T-Coil_WCDMA V_Voice (speech codec low)_Ch4182_Axial (Z)

Communication System: WCDMA ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

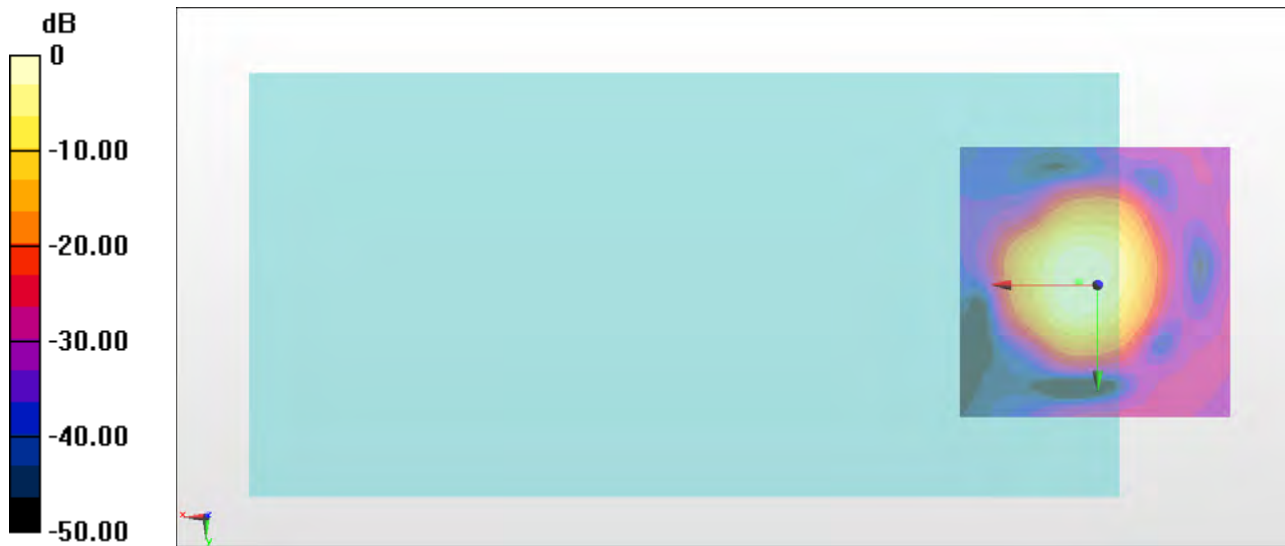
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 51.86 dB

ABM1 comp = 5.53 dBA/m

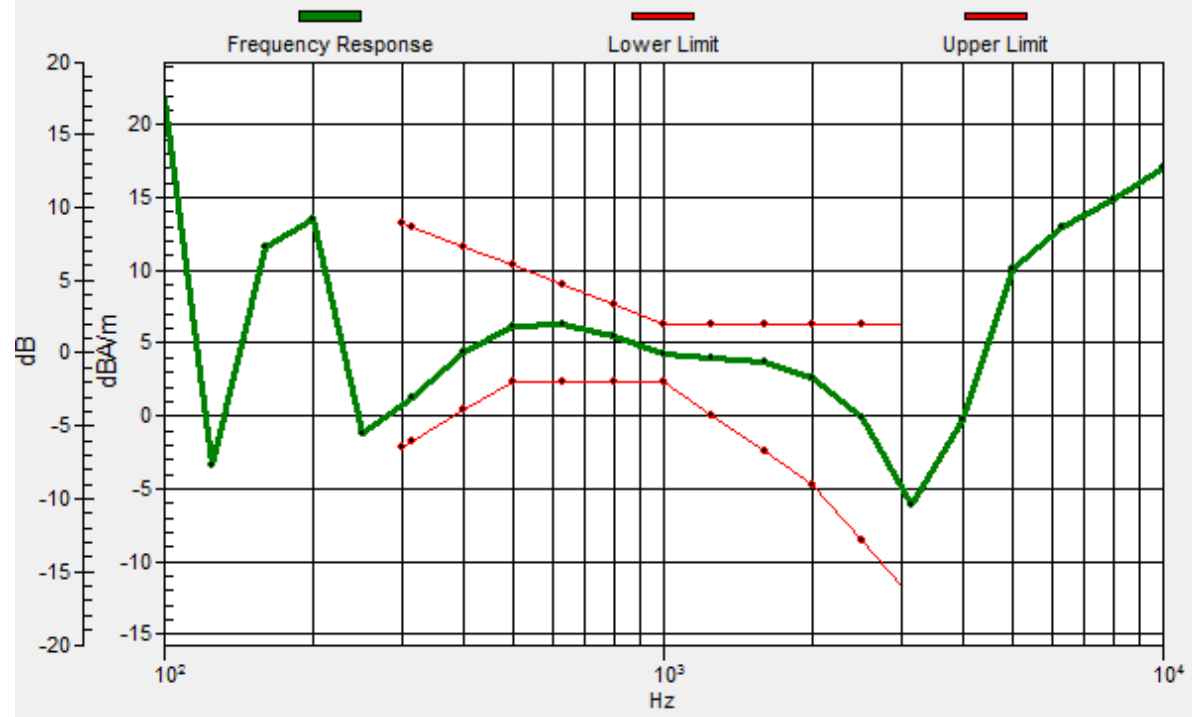
Location: 3.3, -0.5, 3.7 mm



0 dB = 391.8 = 51.86 dB

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

Loc: 3.5, -0.5, 3.7 mm Diff: 2dB



#05_HAC_T-Coil_WCDMA V_Voice (speech codec low)_Ch4182_Transversal (Y)

Communication System: WCDMA ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

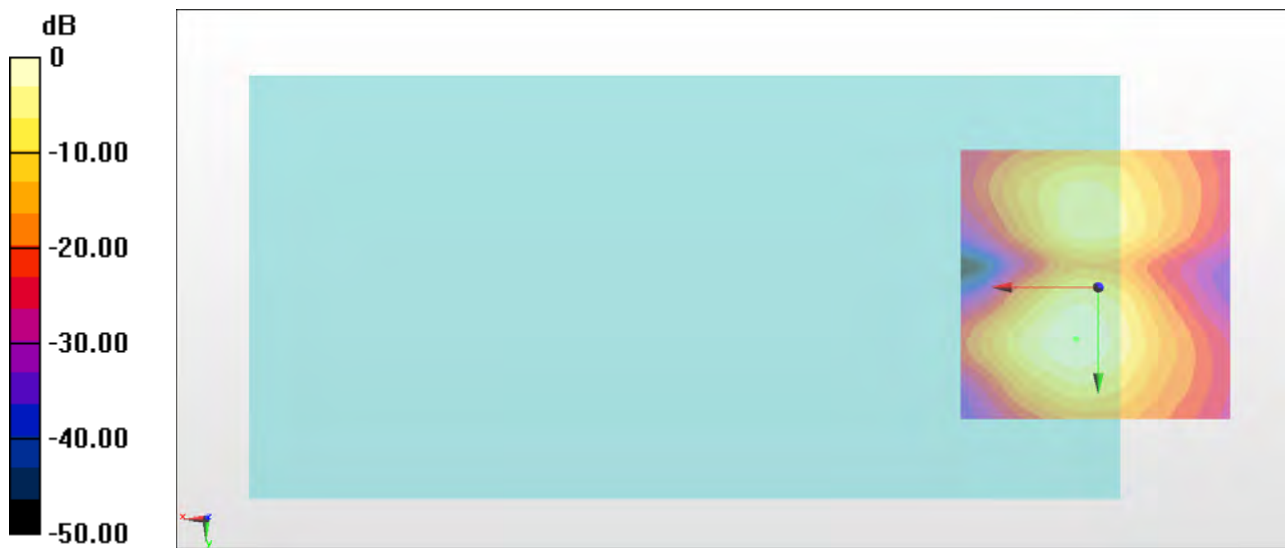
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 45.88 dB

ABM1 comp = -1.77 dBA/m

Location: 4, 9.3, 3.7 mm



0 dB = 196.7 = 45.88 dB

#06_HAC_T-Coil_LTE Band 2_20M_QPSK_1_0_Ch18900_Axial (Z)

Communication System: LTE ; Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

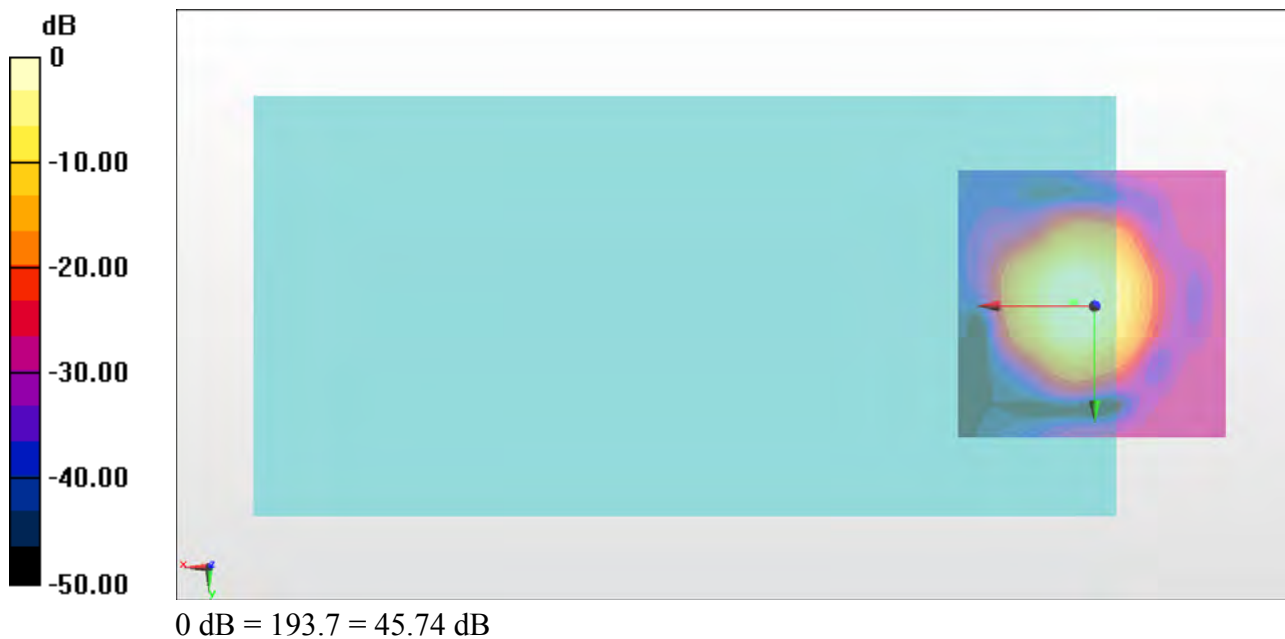
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.74 dB

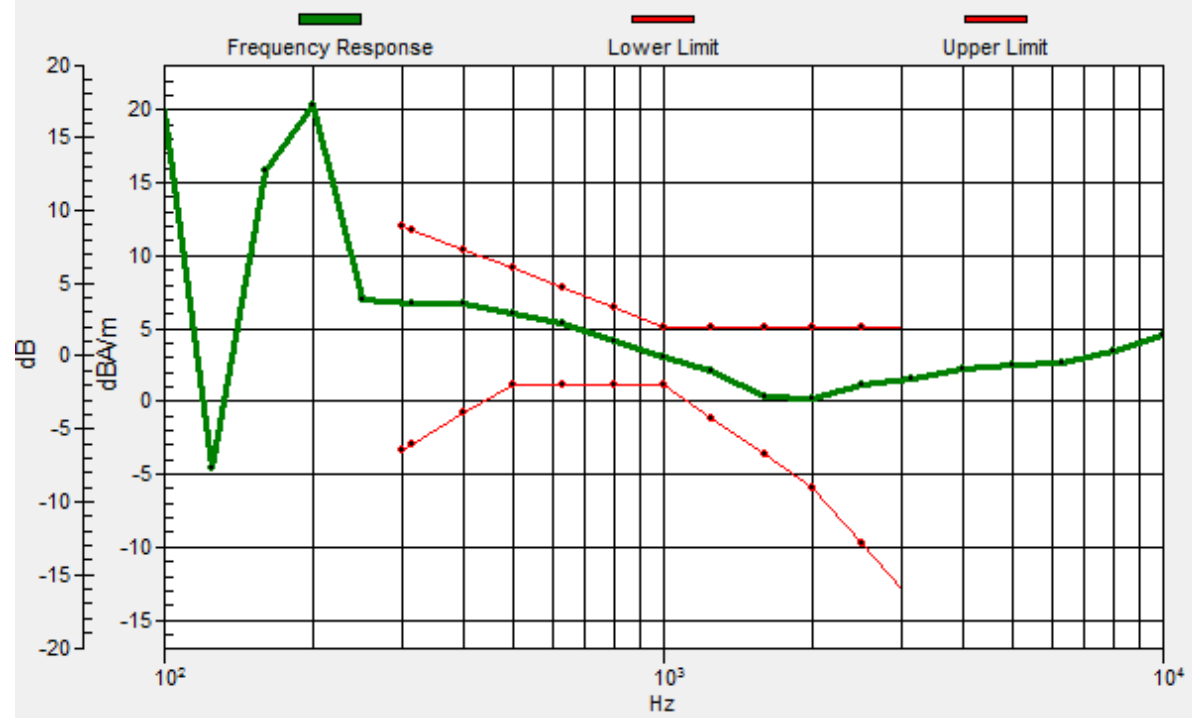
ABM1 comp = 1.93 dBA/m

Location: 4, -0.5, 3.7 mm



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

Loc: 3.7, -0.7, 3.7 mm Diff: 2dB



#06_HAC_T-Coil_LTE Band 2_20M_QPSK_1_0_Ch18900_Transversal (Y)

Communication System: LTE ; Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 39.92 dB

ABM1 comp = -6.74 dBA/m

Location: 2.6, 10, 3.7 mm



#07_HAC_T-Coil_LTE Band 4_20M_QPSK_1_0_Ch20175_Axial (Z)

Communication System: LTE ; Frequency: 1732.5 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 45.37 dB

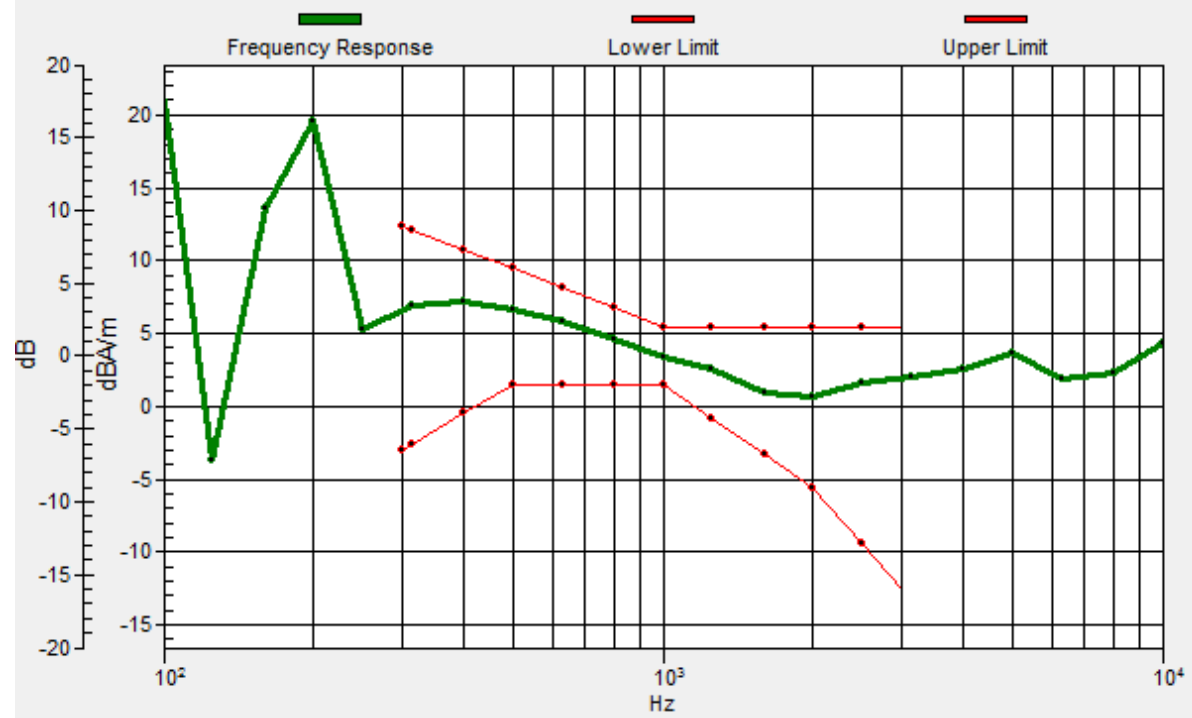
ABM1 comp = 2.37 dBA/m

Location: 4, -0.5, 3.7 mm



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

Loc: 3.7, -0.7, 3.7 mm Diff: 2dB



#07_HAC_T-Coil_LTE Band 4_20M_QPSK_1_0_Ch20175_Transversal (Y)

Communication System: LTE ; Frequency: 1732.5 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

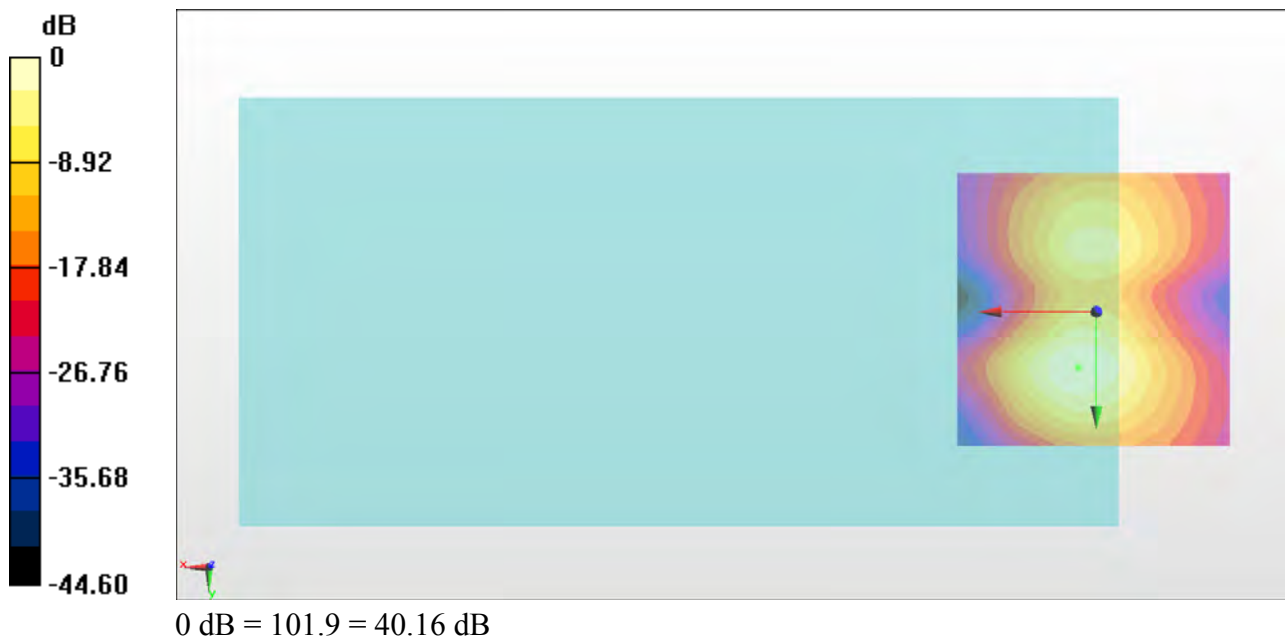
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 40.16 dB

ABM1 comp = -6.09 dBA/m

Location: 3.3, 10, 3.7 mm



#08_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 45.13 dB

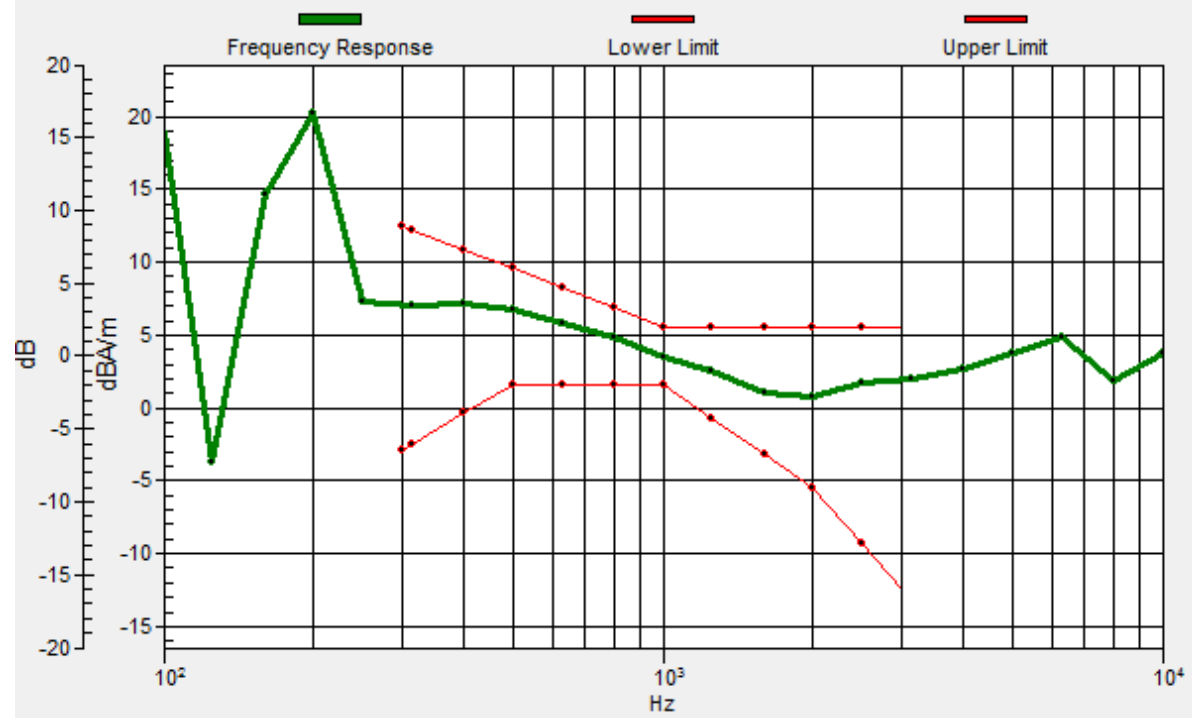
ABM1 comp = 2.42 dBA/m

Location: 3.3, -1.2, 3.7 mm



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

Loc: 3.6, -1.2, 3.7 mm Diff: 2dB



#08_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

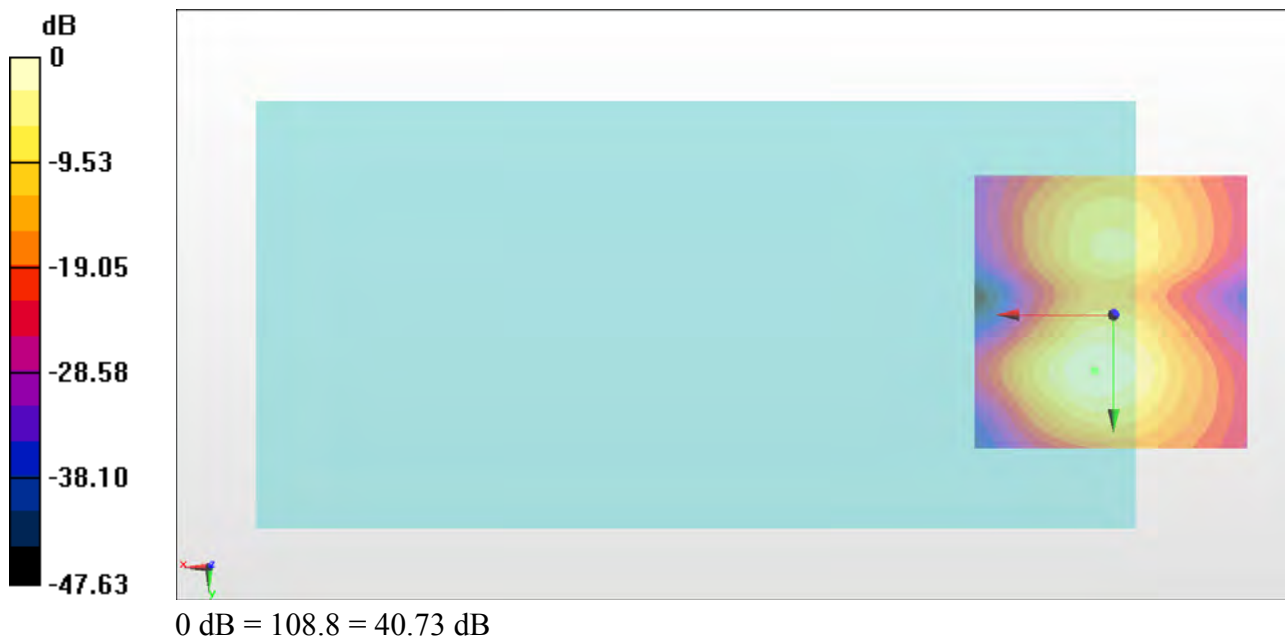
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 40.73 dB

ABM1 comp = -6.29 dBA/m

Location: 3.3, 10, 3.7 mm



#09_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

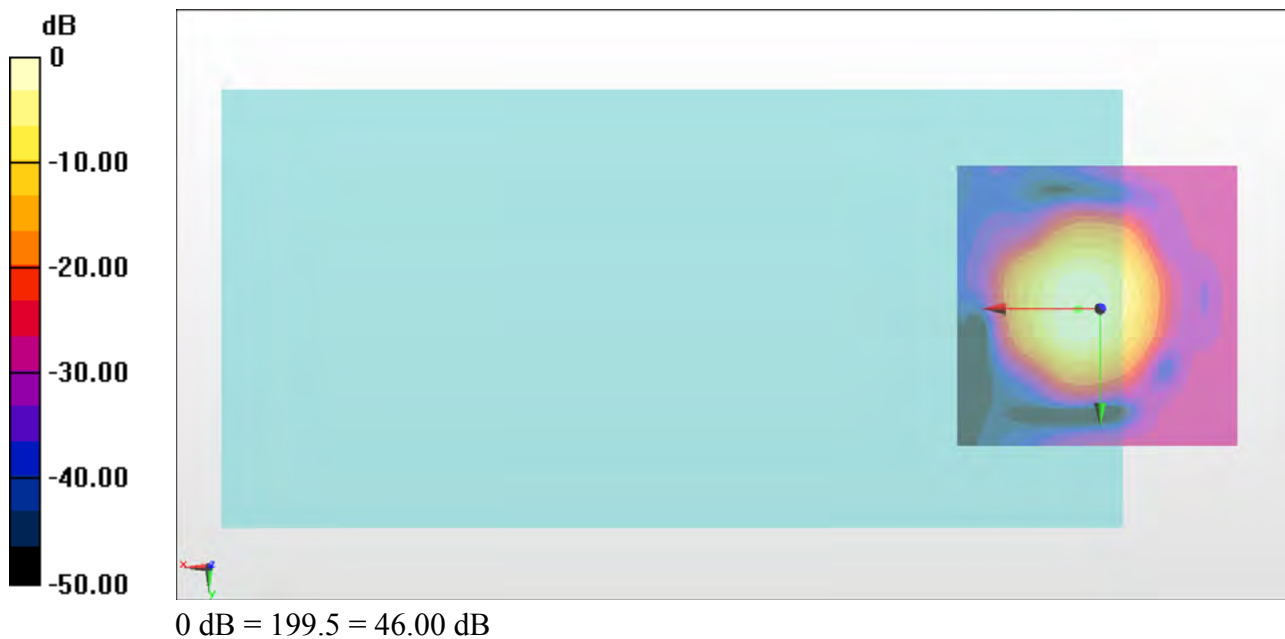
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 46.00 dB

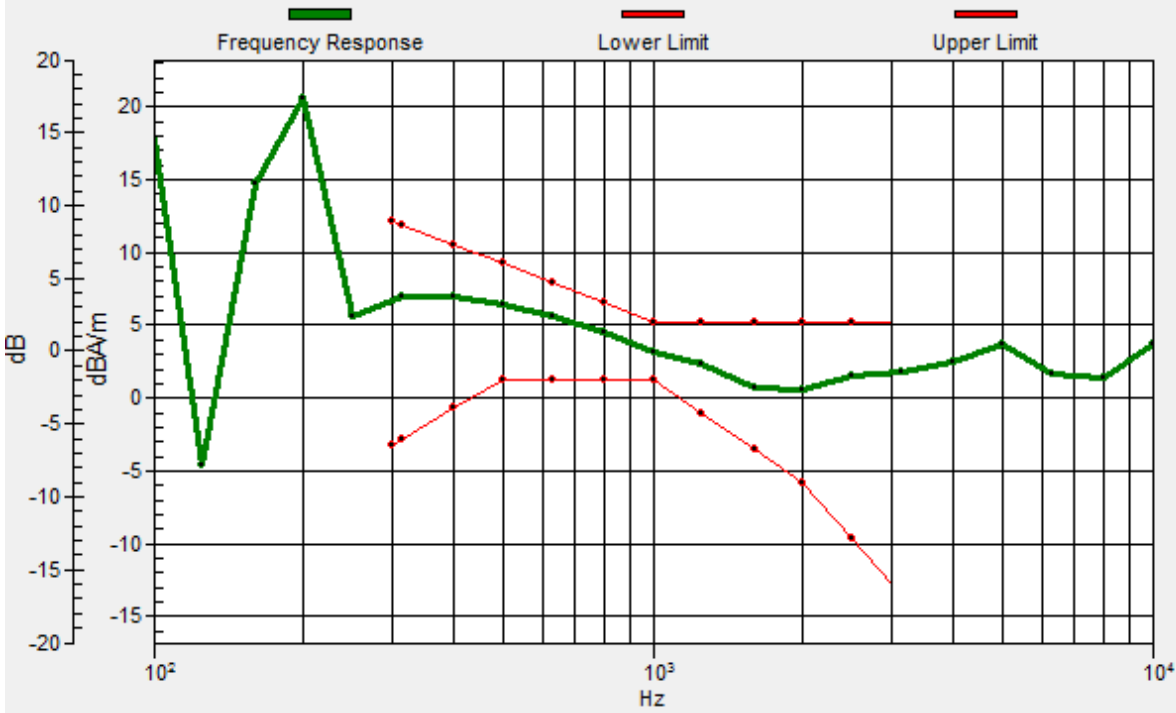
ABM1 comp = 2.12 dBA/m

Location: 4, 0.2, 3.7 mm



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

Loc: 3.7, 0.1, 3.7 mm Diff: 2dB



#09_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 40.40 dB

ABM1 comp = -6.07 dBA/m

Location: 3.3, 10, 3.7 mm



#10_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

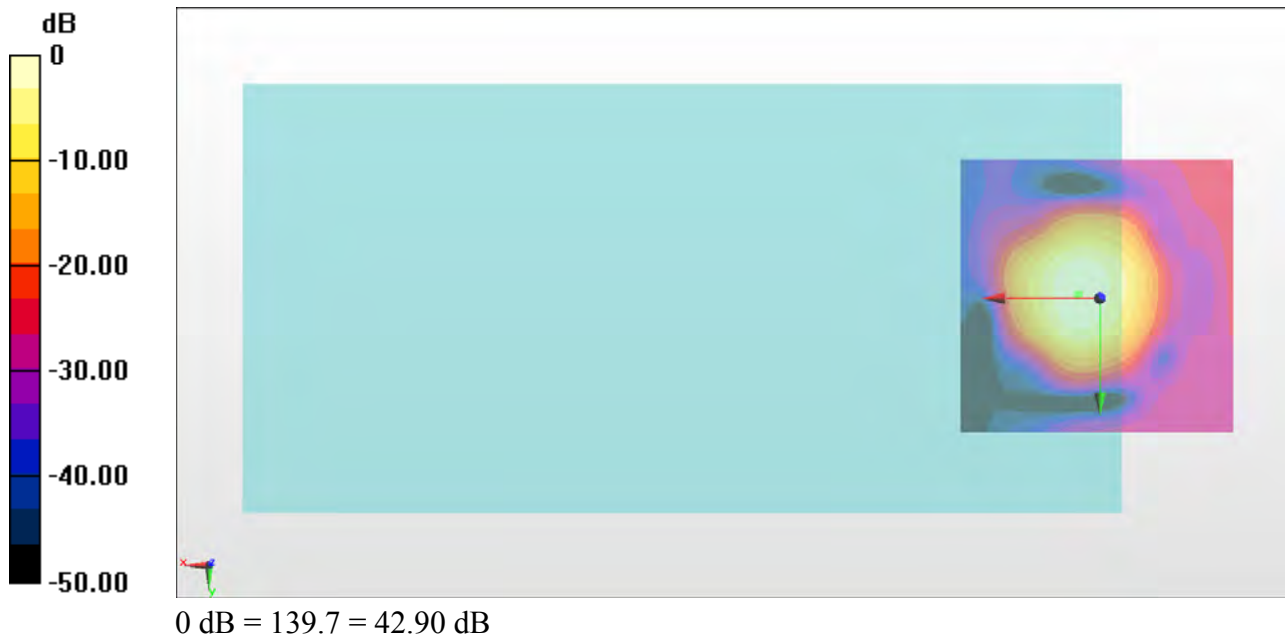
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.90 dB

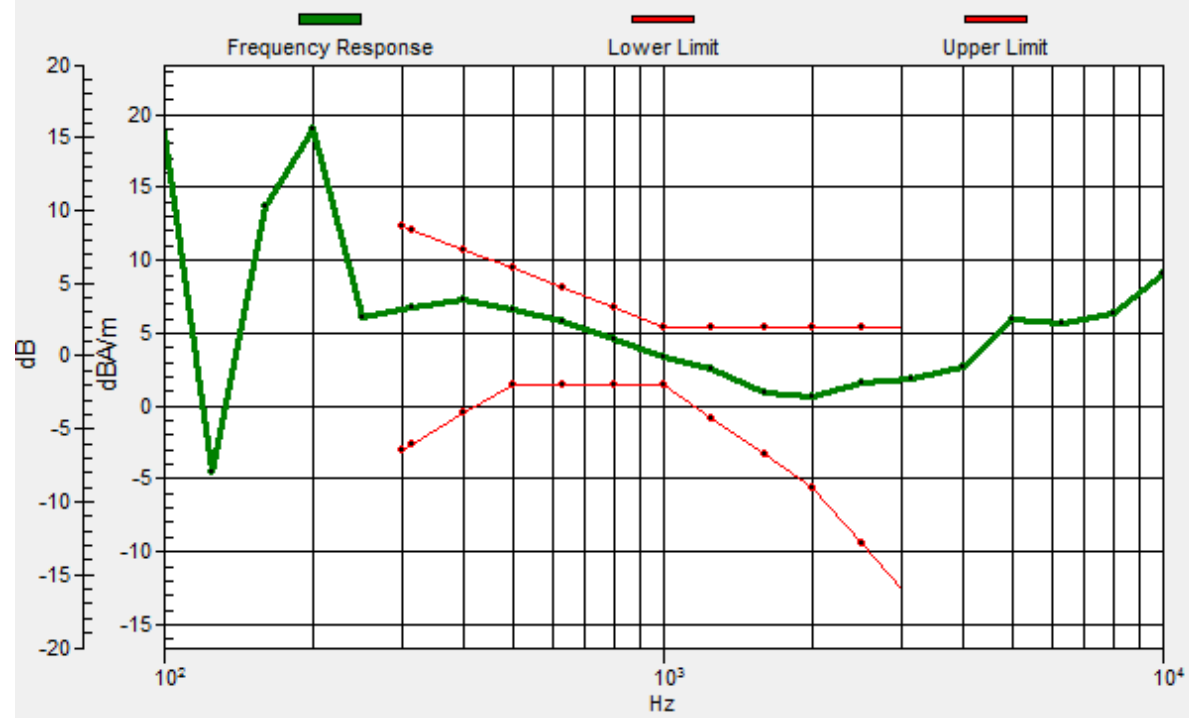
ABM1 comp = 2.37 dBA/m

Location: 4, -0.5, 3.7 mm



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

Loc: 3.7, -0.8, 3.7 mm Diff: 2dB



#10_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

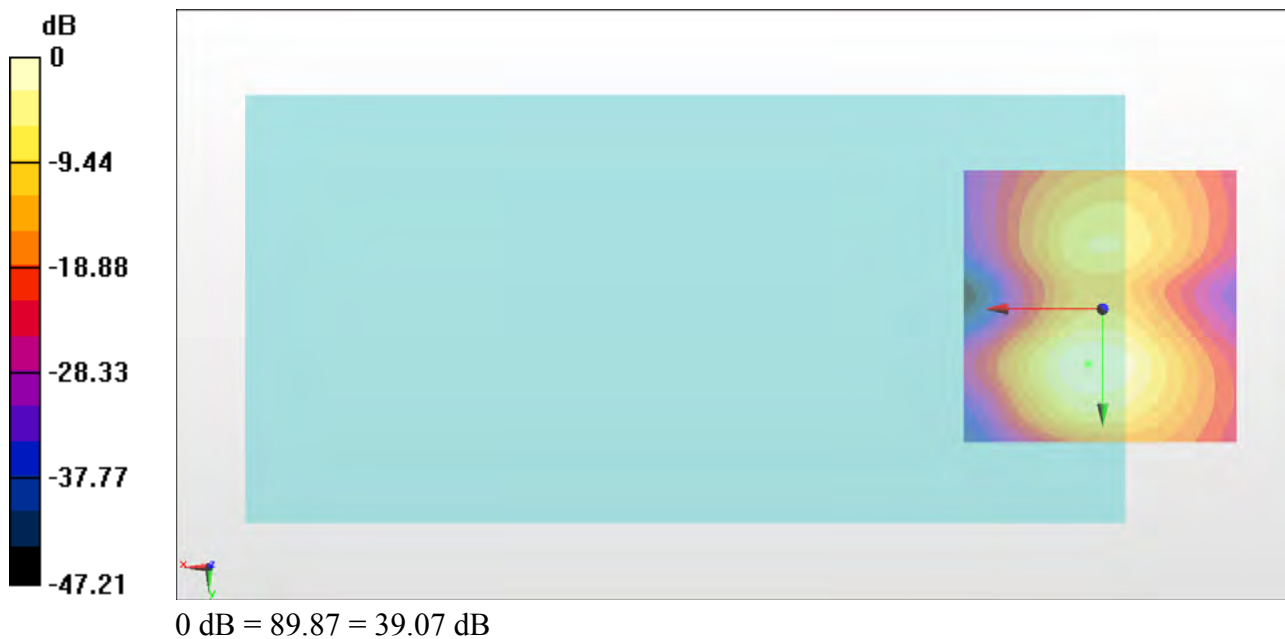
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 39.07 dB

ABM1 comp = -6.35 dBA/m

Location: 2.6, 10, 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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 44.16 dB

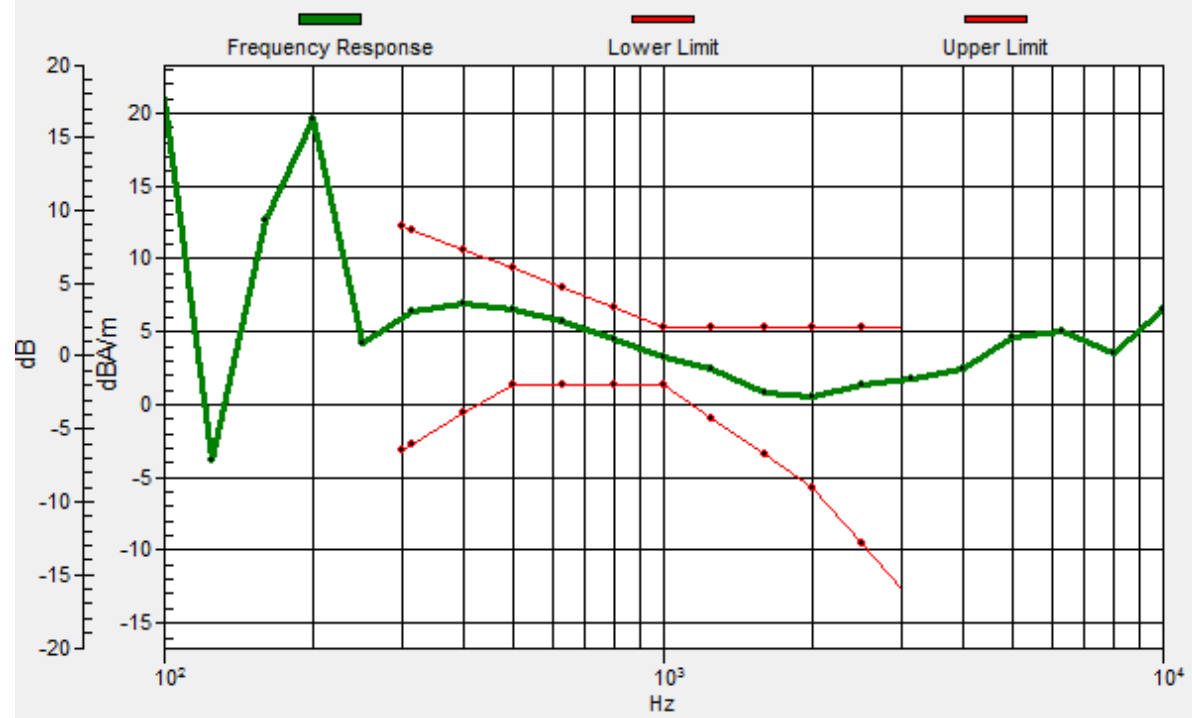
ABM1 comp = 2.19 dBA/m

Location: 4, -0.5, 3.7 mm



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

Loc: 3.7, -0.4, 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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

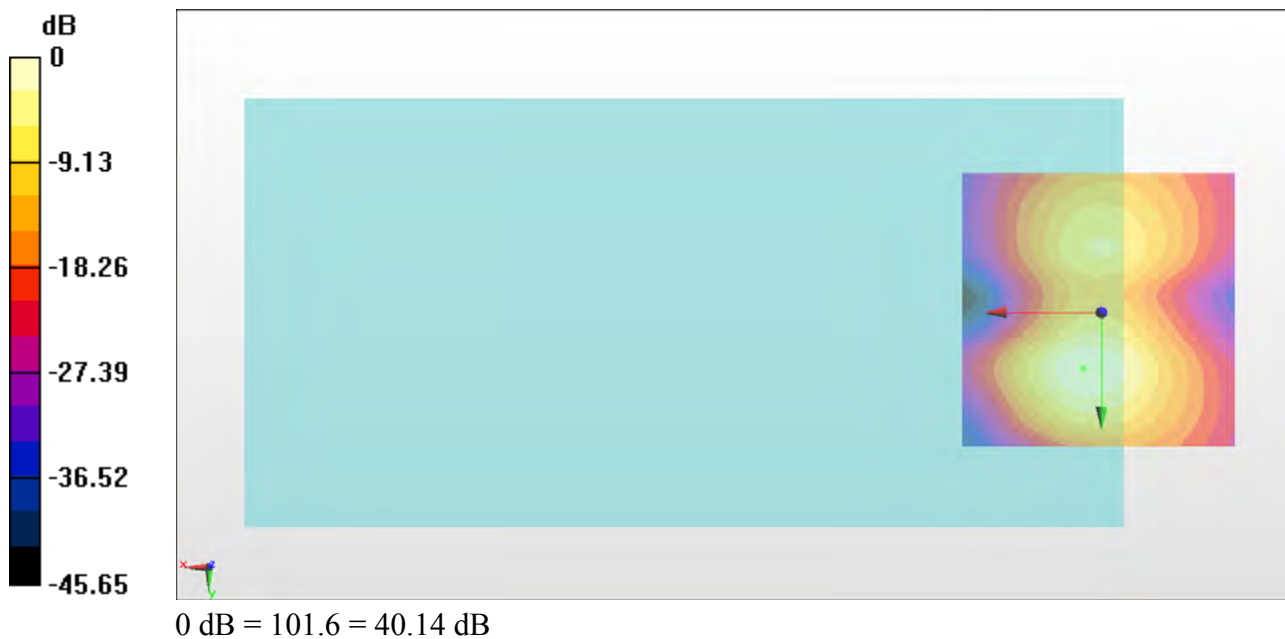
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y ,z) (121x121x1):

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

ABM1/ABM2 = 40.14 dB

ABM1 comp = -6.03 dBA/m

Location: 3.3, 10, 3.7 mm



#12_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

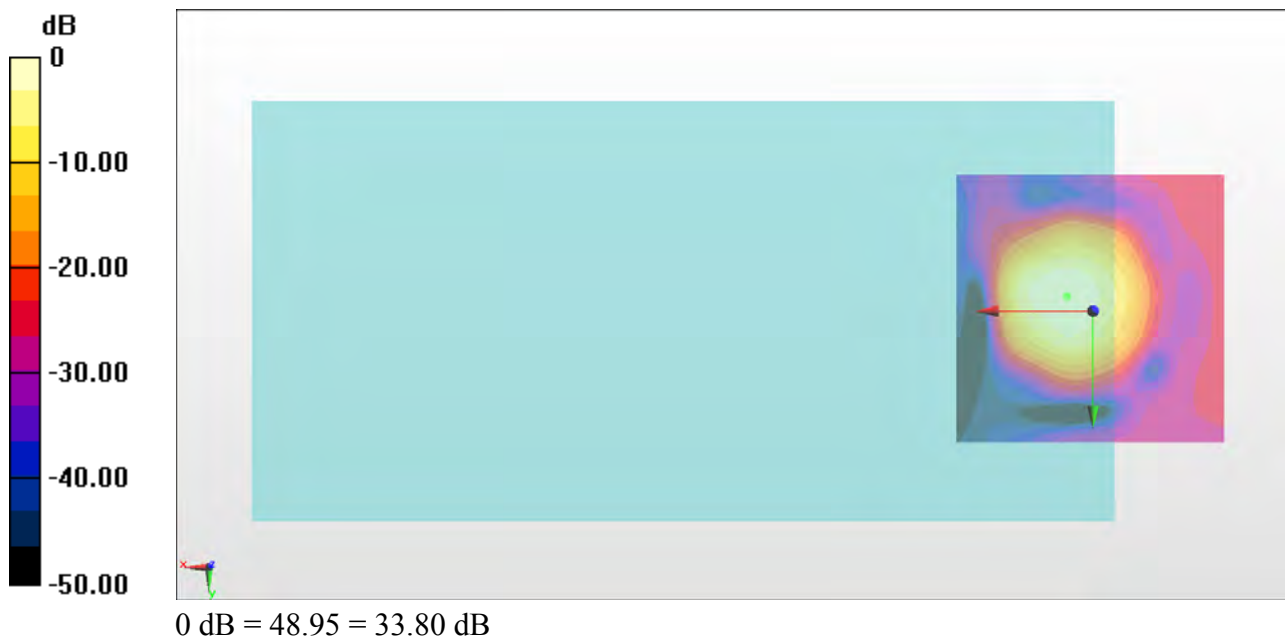
General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 33.80 dB

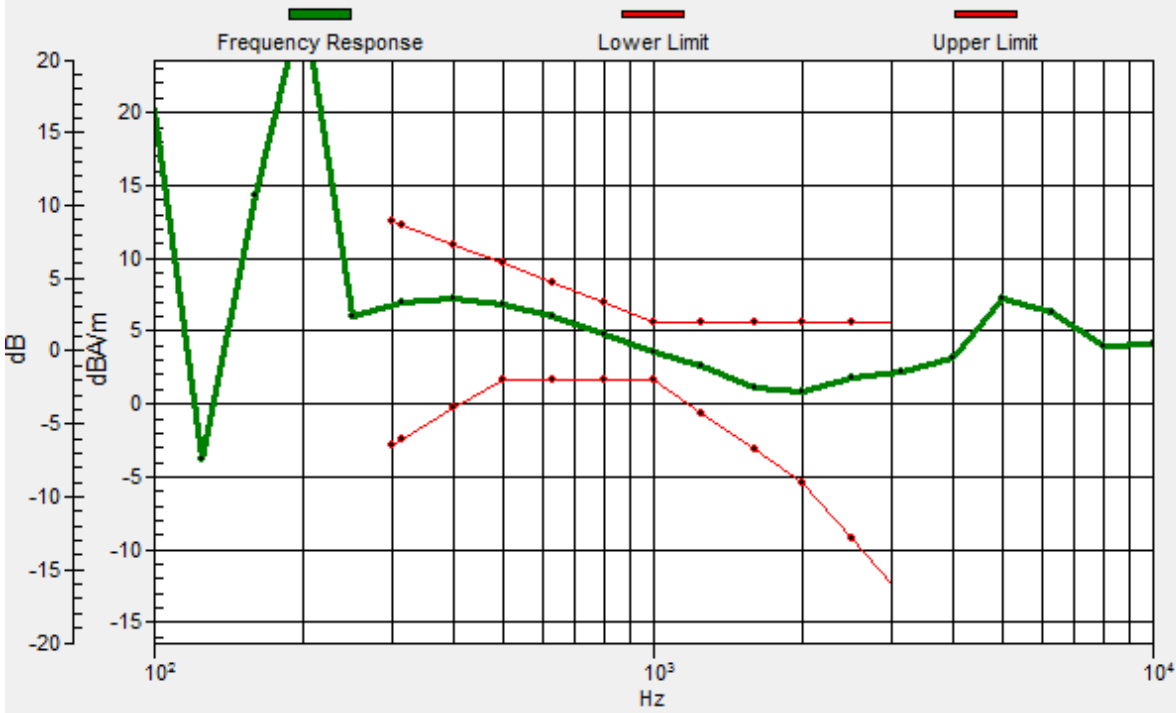
ABM1 comp = 2.64 dBA/m

Location: 4.7, -2.6, 3.7 mm



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

Loc: 4.8, -2.7, 3.7 mm Diff: 2dB



#12_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/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 34.57 dB

ABM1 comp = -9.56 dBA/m

Location: -2.3, 10, 3.7 mm



#13_HAC_T-Coil_GSM850_EDGE 2 Tx slots_Ch189_Axial (Z)

Communication System: GSM850 ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 29.17 dB

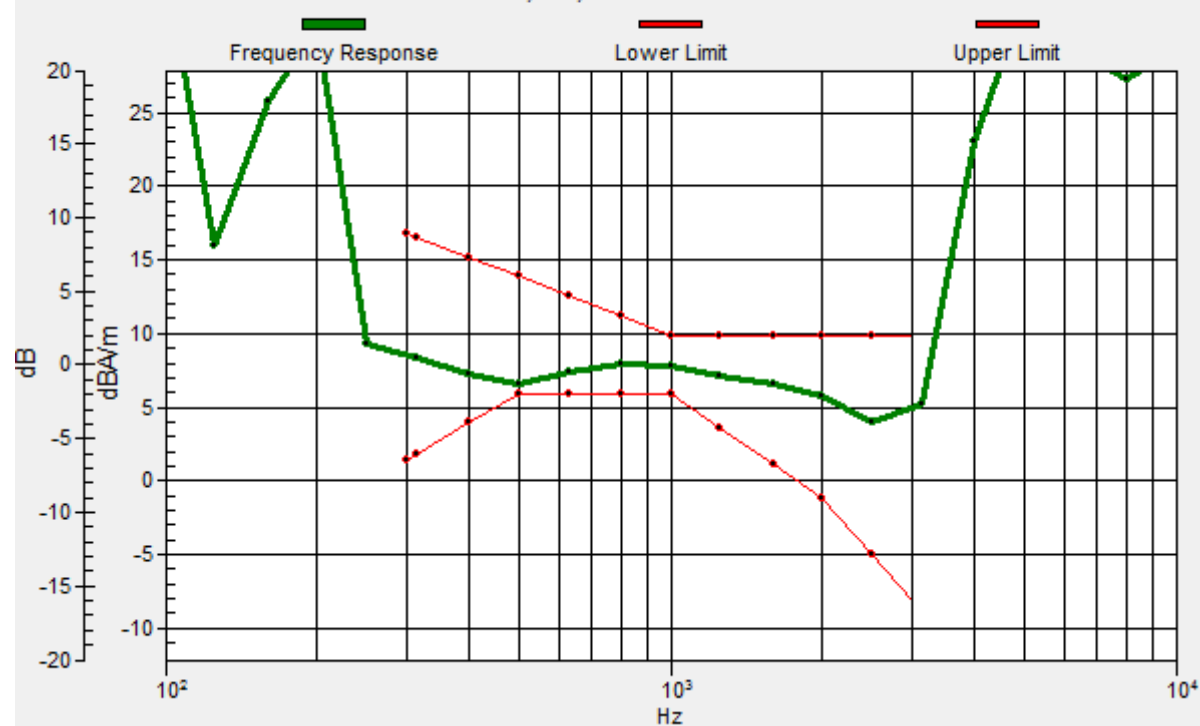
ABM1 comp = 7.96 dBA/m

Location: 5.4, -2.6, 3.7 mm



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

Loc: 5.5, -2.3, 3.7 mm Diff: 0.74dB



#13_HAC_T-Coil_GSM850_EDGE 2 Tx slots_Ch189_Transversal (Y)

Communication System: GSM850 ; Frequency: 836.4 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 29.54 dB

ABM1 comp = -7.06 dBA/m

Location: -3, 10, 3.7 mm



#14_HAC_T-Coil_GSM1900_EDGE 2 Tx slots_Ch661_Axial (Z)

Communication System: PCS ; Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 29.14 dB

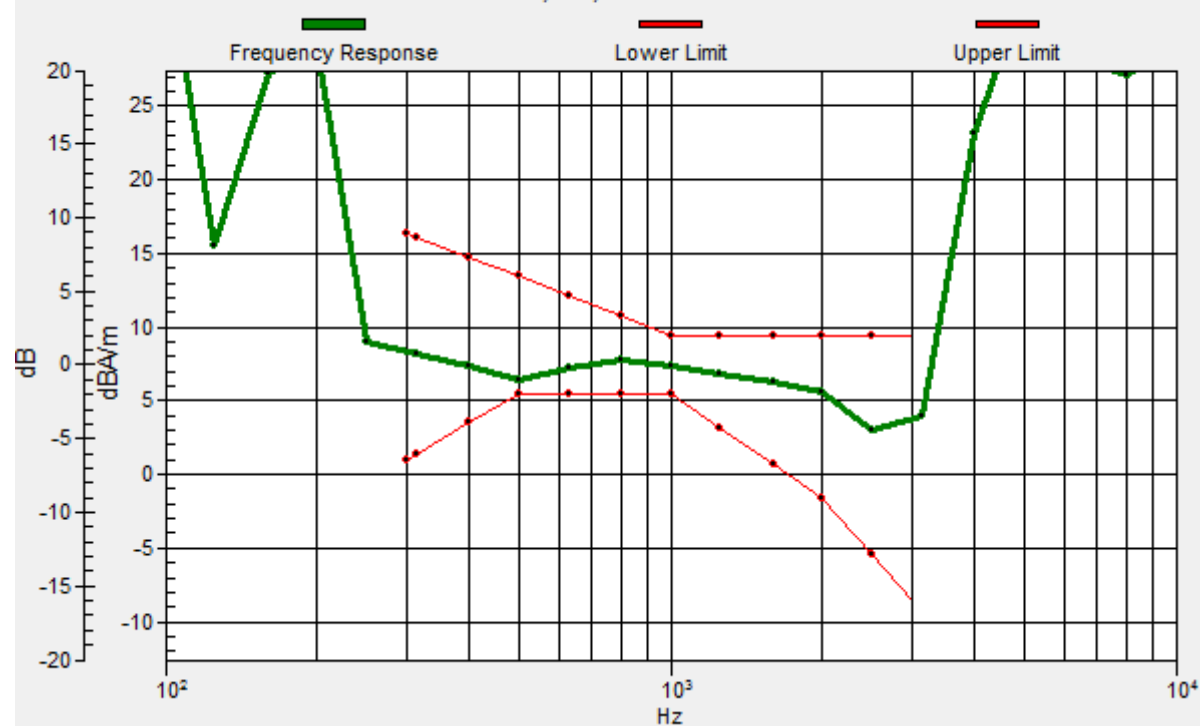
ABM1 comp = 6.39 dBA/m

Location: 6.1, -2.6, 3.7 mm



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

Loc: 6.3, -2.3, 3.7 mm Diff: 1dB



#14_HAC_T-Coil_GSM1900_EDGE 2 Tx slots_Ch661_Transversal (Y)

Communication System: PCS ; Frequency: 1880 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 31.12 dB

ABM1 comp = -7.07 dBA/m

Location: -3, 10, 3.7 mm



#15_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 39.45 dB

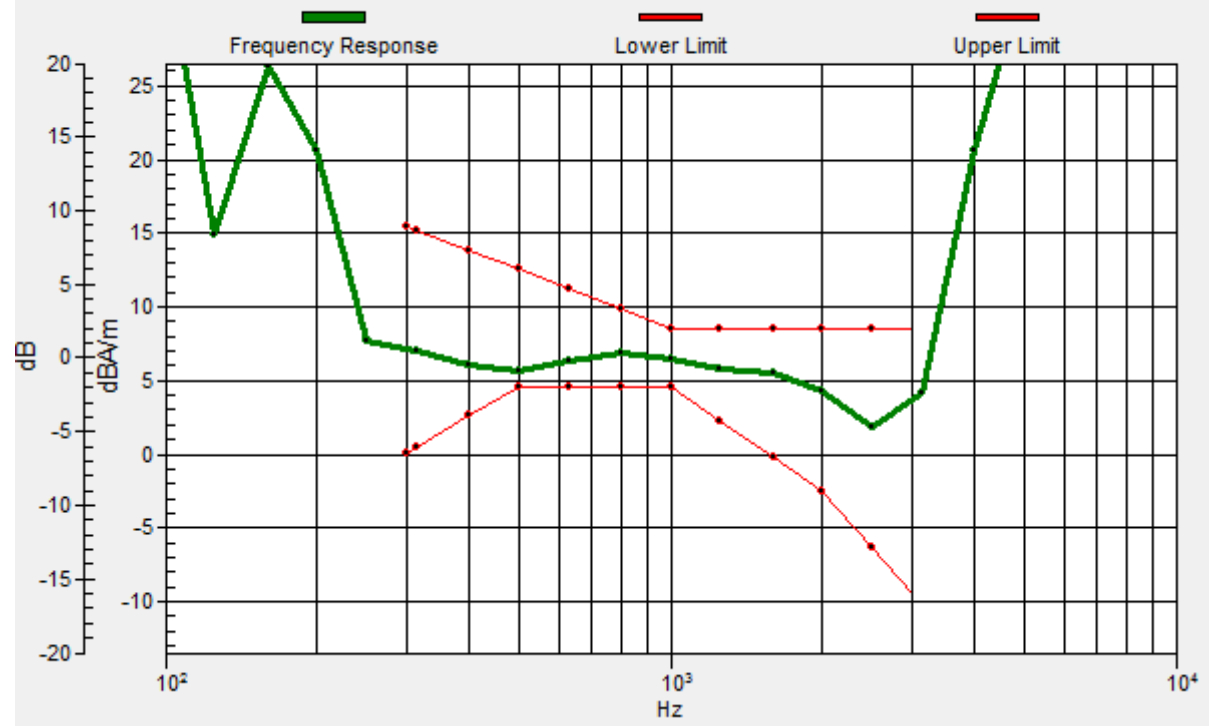
ABM1 comp = 4.21 dBA/m

Location: 1.2, -0.5, 3.7 mm



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

Loc: 1.5, -0.7, 3.7 mm Diff: 1.17dB



#15_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 39.35 dB

ABM1 comp = -4.70 dBA/m

Location: 0.5, 10.7, 3.7 mm



#16_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 40.34 dB

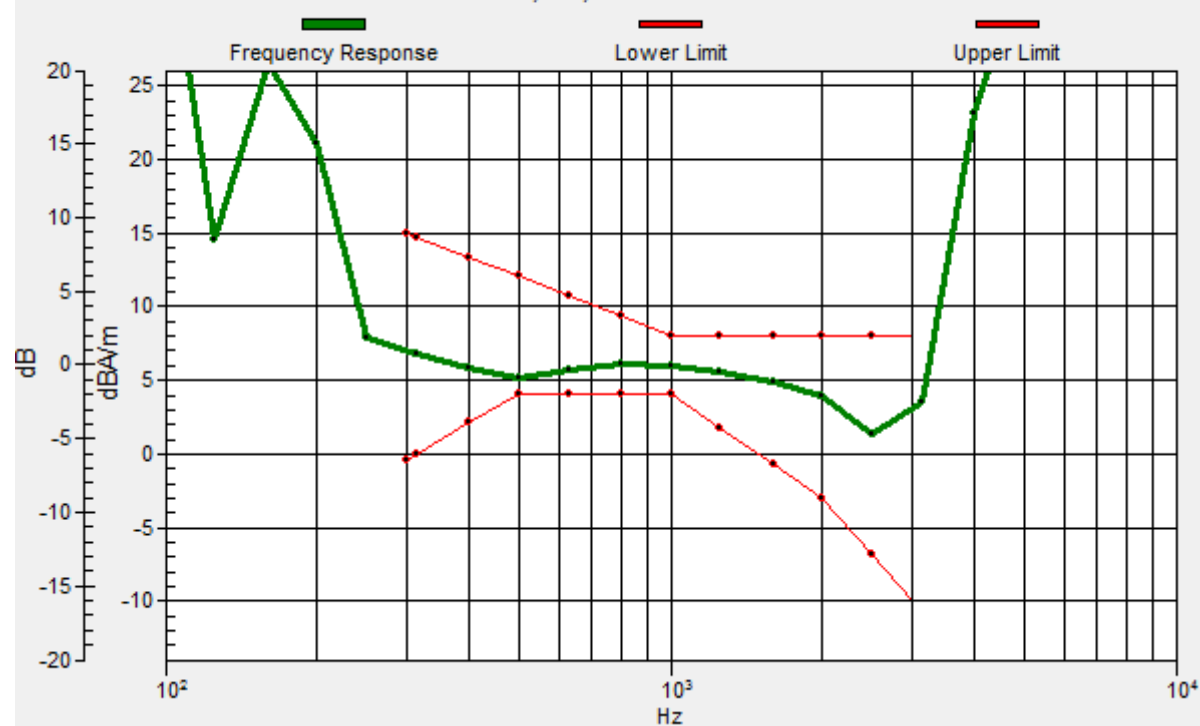
ABM1 comp = 4.53 dBA/m

Location: 1.9, -0.5, 3.7 mm



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

Loc: 1.6, -0.4, 3.7 mm Diff: 1.1dB



#16_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 39.48 dB

ABM1 comp = -4.01 dBA/m

Location: 1.9, 10.7, 3.7 mm



#17_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 40.35 dB

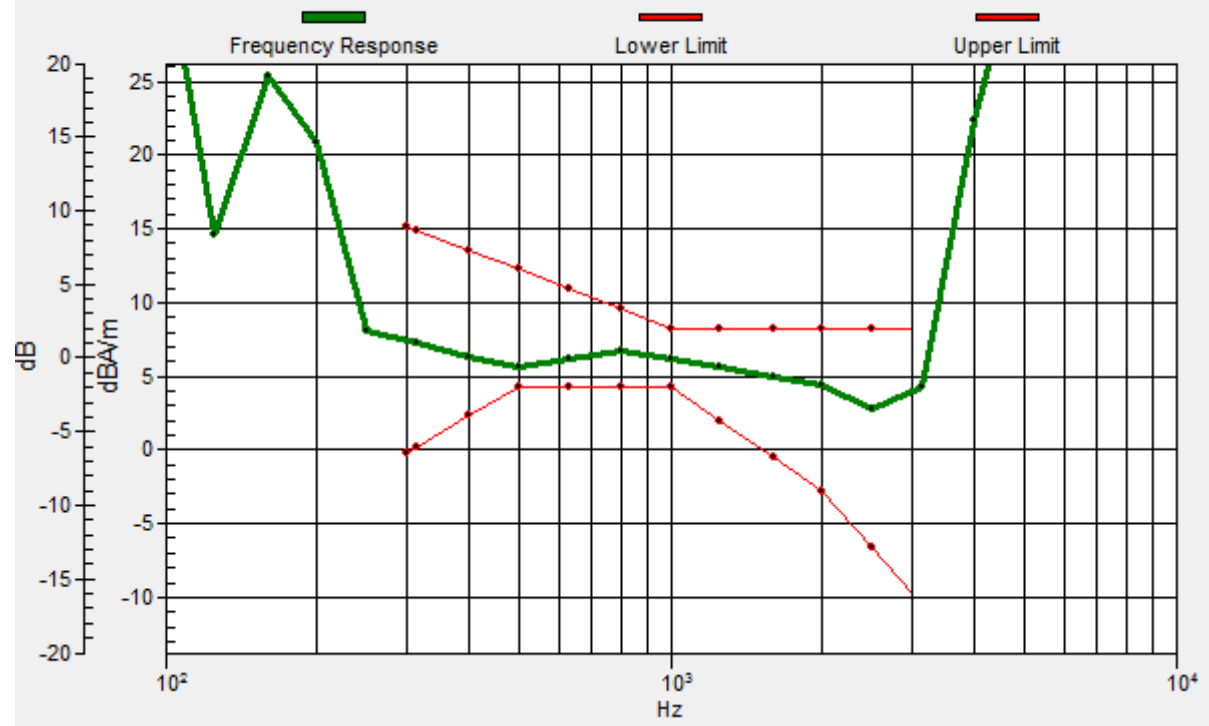
ABM1 comp = 4.51 dBA/m

Location: 3.3, 1.6, 3.7 mm



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

Loc: 3.5, 1.5, 3.7 mm Diff: 1.36dB



#17_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = -3.87 dBA/m

Location: 1.9, 10.7, 3.7 mm



#18_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 40.13 dB

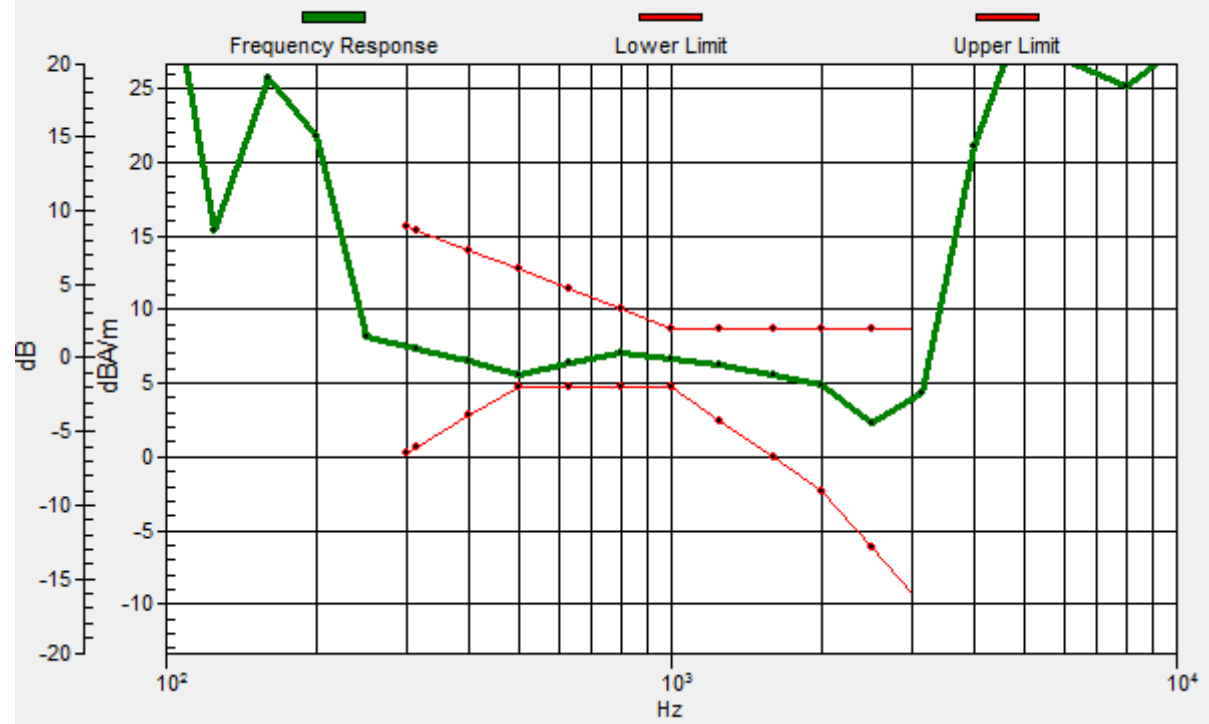
ABM1 comp = 5.00 dBA/m

Location: 2.6, -0.5, 3.7 mm



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

Loc: 2.2, -0.7, 3.7 mm Diff: 0.9dB



#18_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/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 38.93 dB

ABM1 comp = -3.53 dBA/m

Location: 2.6, 8.6, 3.7 mm



#19_HAC_T-Coil_LTE Band 41_20M_QPSK_1_0_Ch40620_Axial (Z)

Communication System: LTE ; Frequency: 2593 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

General Scans/z (axial) 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 = 36.06 dB

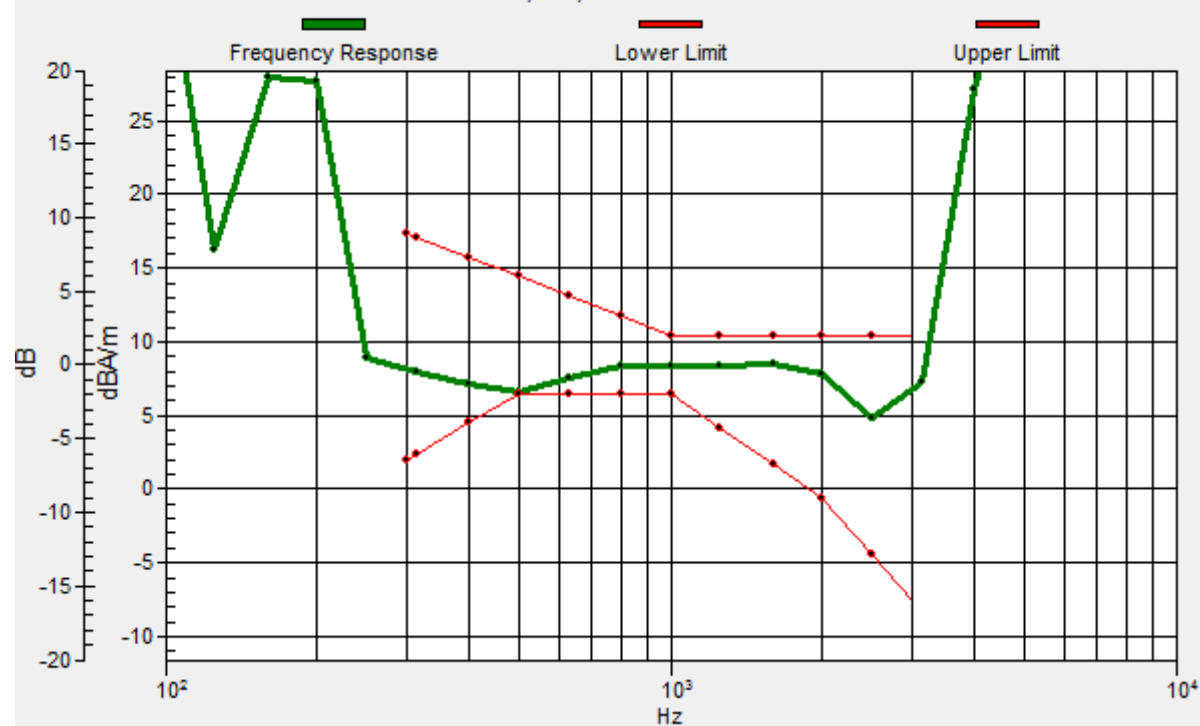
ABM1 comp = 6.24 dBA/m

Location: 6.1, -3.3, 3.7 mm



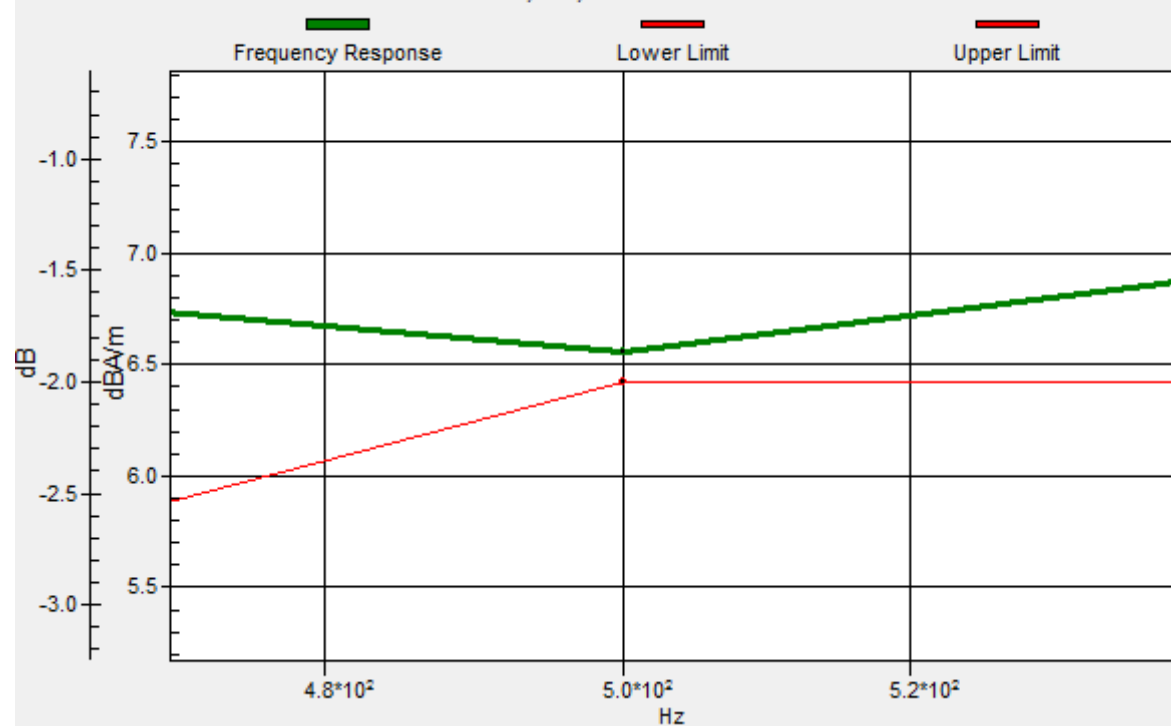
General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.4, -3.5, 3.7 mm Diff: 0.14dB



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

Loc: 3.4, -3.5, 3.7 mm Diff: 0.14dB



#19_HAC_T-Coil_LTE Band 41_20M_QPSK_1_0_Ch40620_Transversal (Y)

Communication System: LTE ; Frequency: 2593 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 35.42 dB

ABM1 comp = -5.84 dBA/m

Location: -1.6, 8.6, 3.7 mm



#20_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Axial (Z);Ant 1

Communication System: 802.11b ; Frequency: 2437 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 34.83 dB

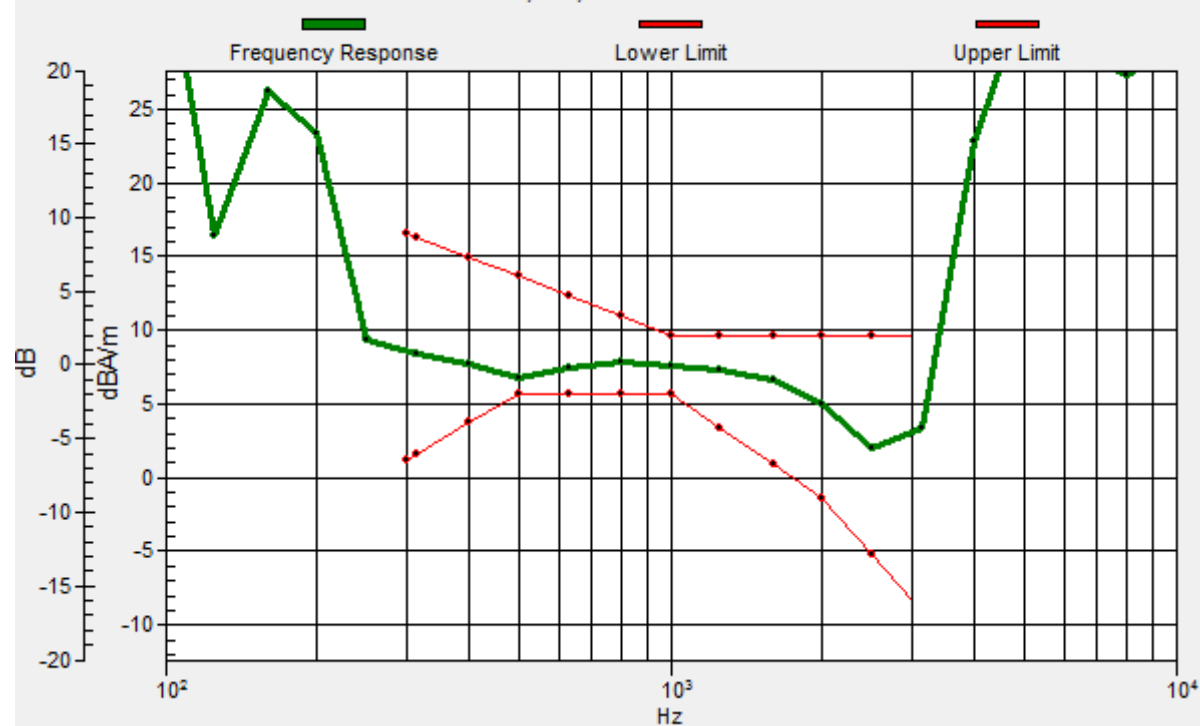
ABM1 comp = 6.62 dBA/m

Location: 4, -1.9, 3.7 mm



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

Loc: 3.7, -1.5, 3.7 mm Diff: 1.13dB



#20_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Transversal (Y);Ant 1

Communication System: 802.11b ; Frequency: 2437 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 36.41 dB

ABM1 comp = -4.82 dBA/m

Location: -0.2, 10, 3.7 mm



#21_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Axial (Z);Ant 2

Communication System: 802.11b ; Frequency: 2437 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.3 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 35.39 dB

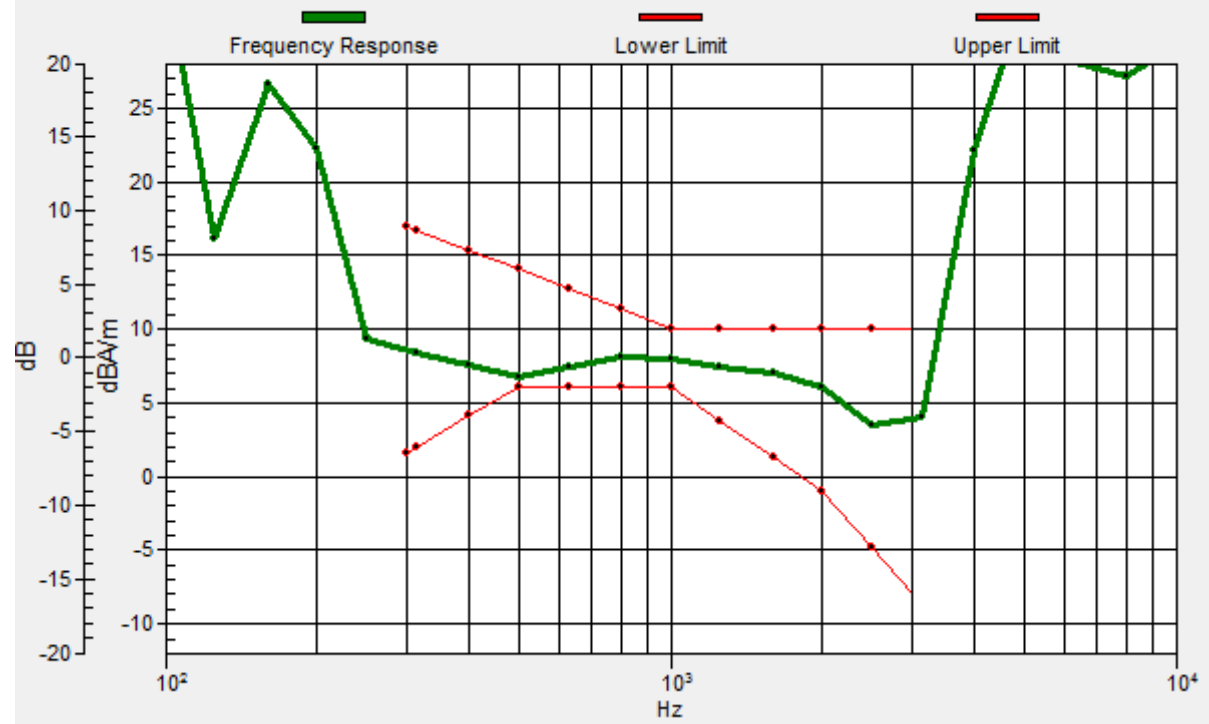
ABM1 comp = 6.04 dBA/m

Location: 3.3, -1.9, 3.7 mm



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

Loc: 3.2, -1.9, 3.7 mm Diff: 0.69dB



#21_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Transversal (Y);Ant 2

Communication System: 802.11b; Frequency: 2437 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 35.63 dB

ABM1 comp = -4.24 dBA/m

Location: -3, 10, 3.7 mm



#22_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Axial (Z);Ant 1

Communication System: 802.11a; Frequency: 5200 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 32.41 dB

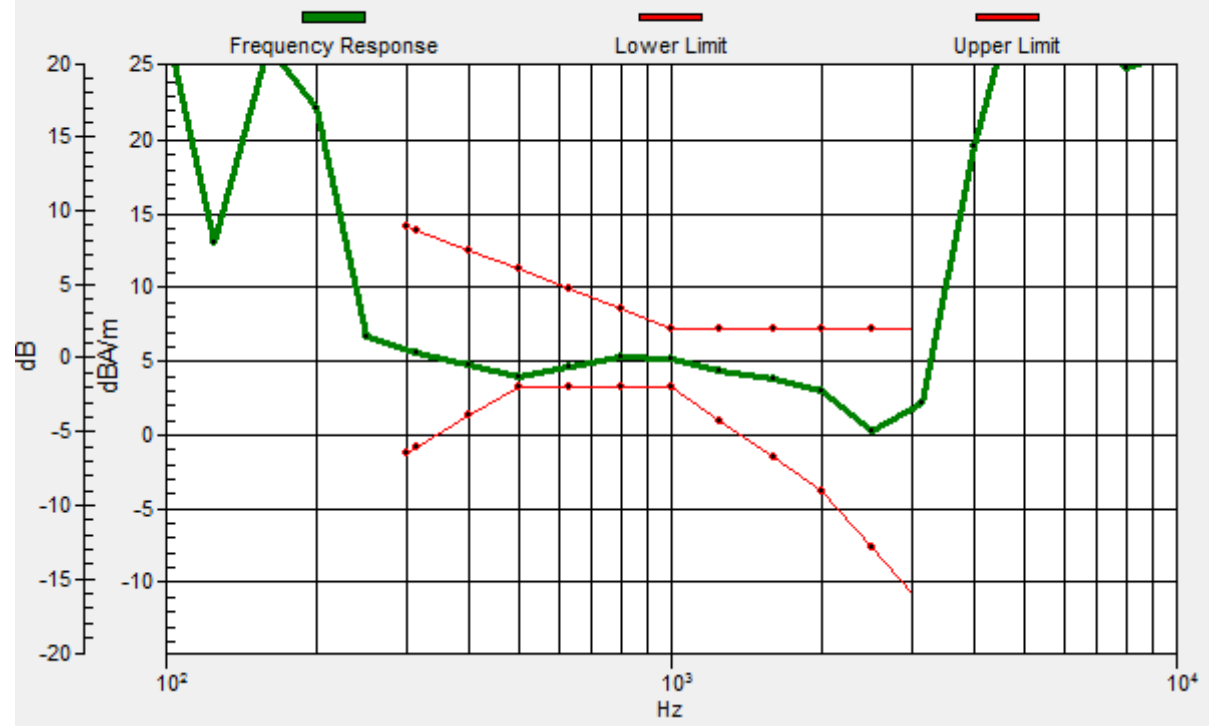
ABM1 comp = 5.04 dBA/m

Location: 0.5, -0.5, 3.7 mm



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

Loc: 0.4, -0.6, 3.7 mm Diff: 0.77dB



#22_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Transversal (Y);Ant 1

Communication System: 802.11a; Frequency: 5200 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 36.24 dB

ABM1 comp = -5.57 dBA/m

Location: -0.2, 12.1, 3.7 mm



#23_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Axial (Z);Ant 1

Communication System: 802.11a; Frequency: 5300 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 37.81 dB

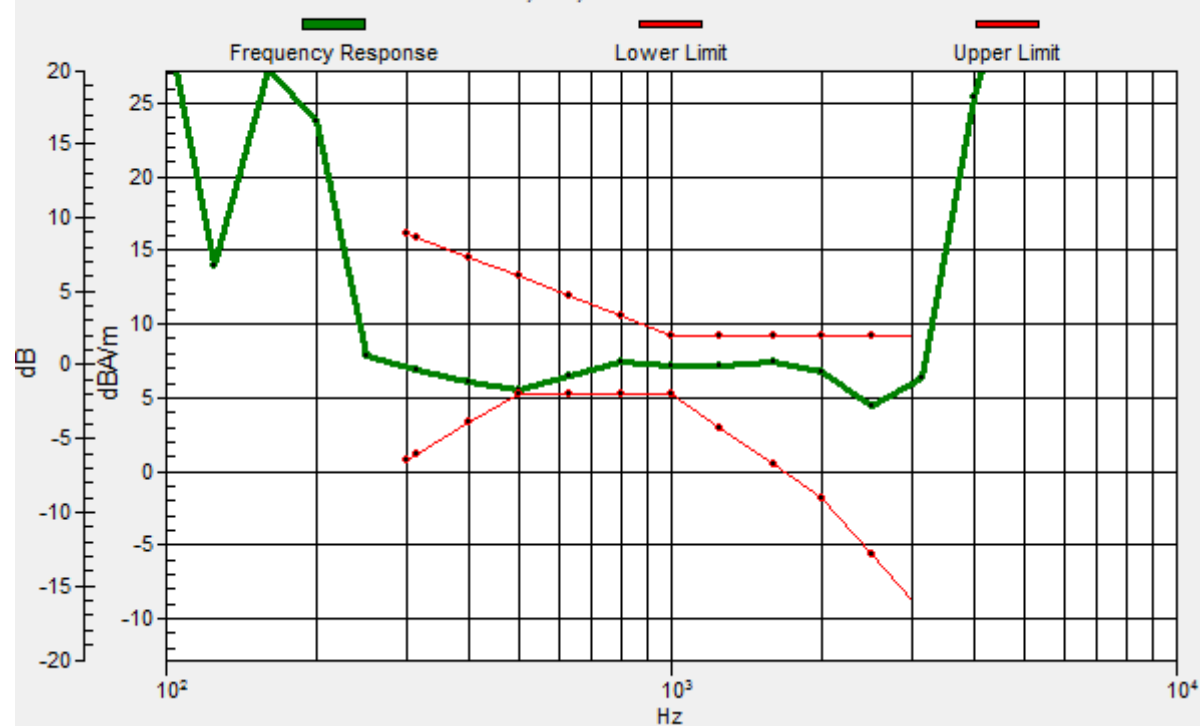
ABM1 comp = 4.67 dBA/m

Location: 2.6, 0.2, 3.7 mm



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

Loc: 2.2, -0.1, 3.7 mm Diff: 0.27dB



#23_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Transversal (Y);Ant 1

Communication System: 802.11a; Frequency: 5300 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 33.51 dB

ABM1 comp = -4.34 dBA/m

Location: 4, 12.1, 3.7 mm



#24_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Axial (Z);Ant 1

Communication System: 802.11a; Frequency: 5620 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 33.26 dB

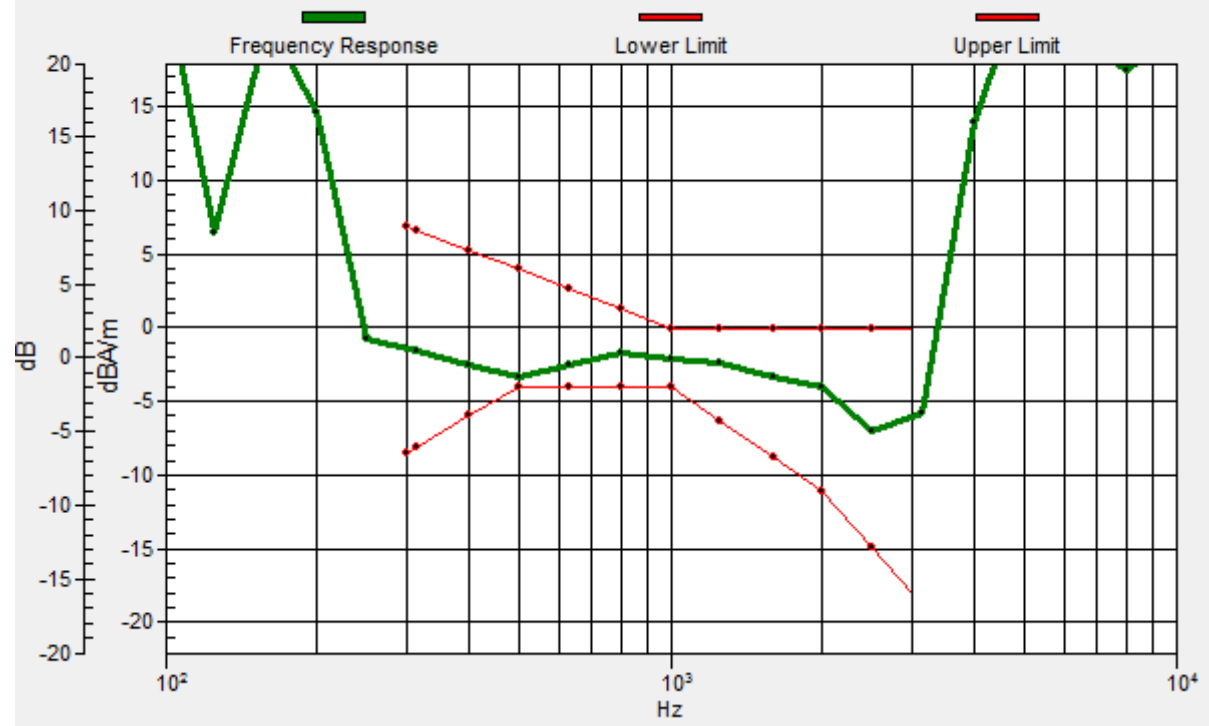
ABM1 comp = -0.17 dBA/m

Location: 1.2, 0.9, 3.7 mm



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

Loc: 1.4, 1.3, 3.7 mm Diff: 0.71dB



#24_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Transversal (Y);Ant 1

Communication System: 802.11a; Frequency: 5620 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 33.40 dB

ABM1 comp = -11.93 dBA/m

Location: -1.6, 12.1, 3.7 mm



#25_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Axial (Z);Ant 1

Communication System: 802.11a; Frequency: 5785 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 38.32 dB

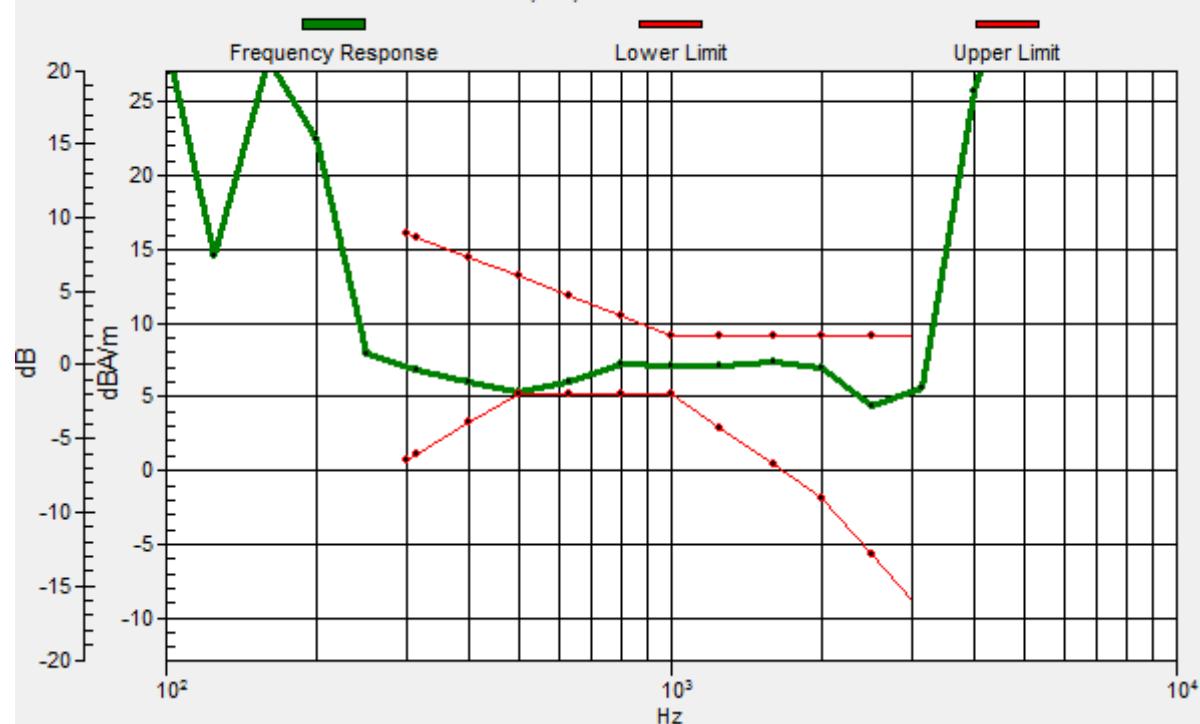
ABM1 comp = 4.71 dBA/m

Location: 2.6, 0.2, 3.7 mm



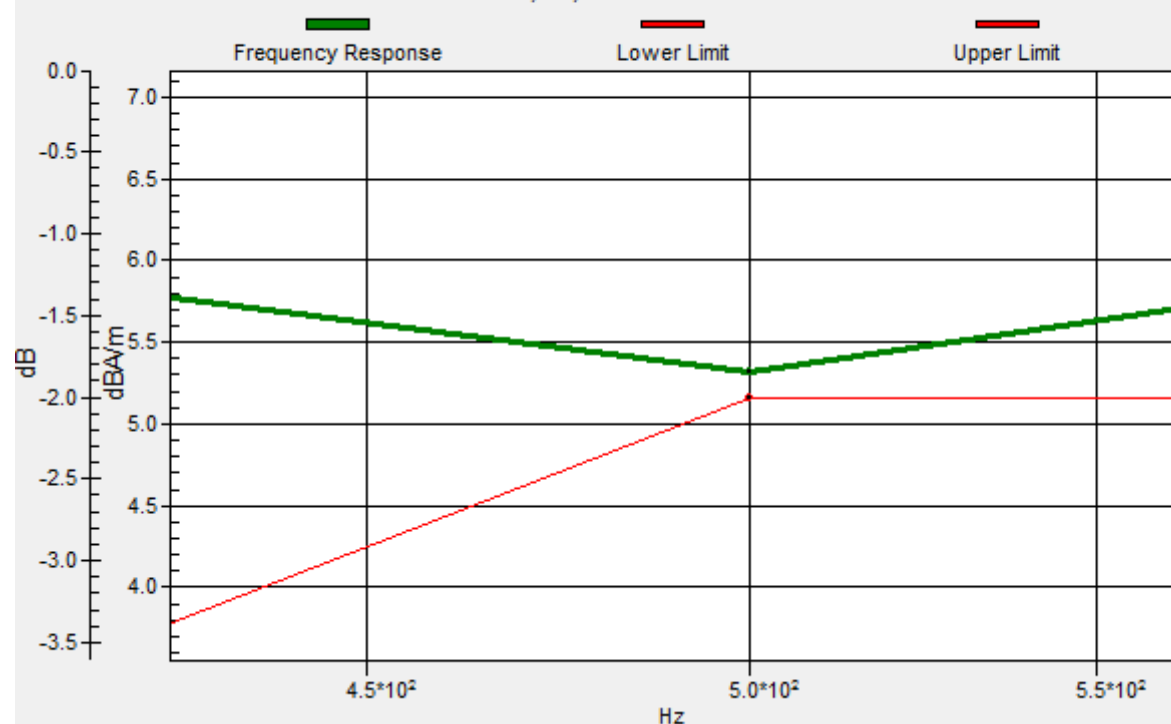
General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 2.5, 0.5, 3.7 mm Diff: 0.15dB



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

Loc: 2.5, 0.5, 3.7 mm Diff: 0.15dB



#25_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Transversal (Y);Ant 1

Communication System: 802.11a; Frequency: 5785 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 37.42 dB

ABM1 comp = -4.25 dBA/m

Location: 0.5, 10.7, 3.7 mm



#26_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Axial (Z);Ant 2

Communication System: 802.11a; Frequency: 5200 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 36.94 dB

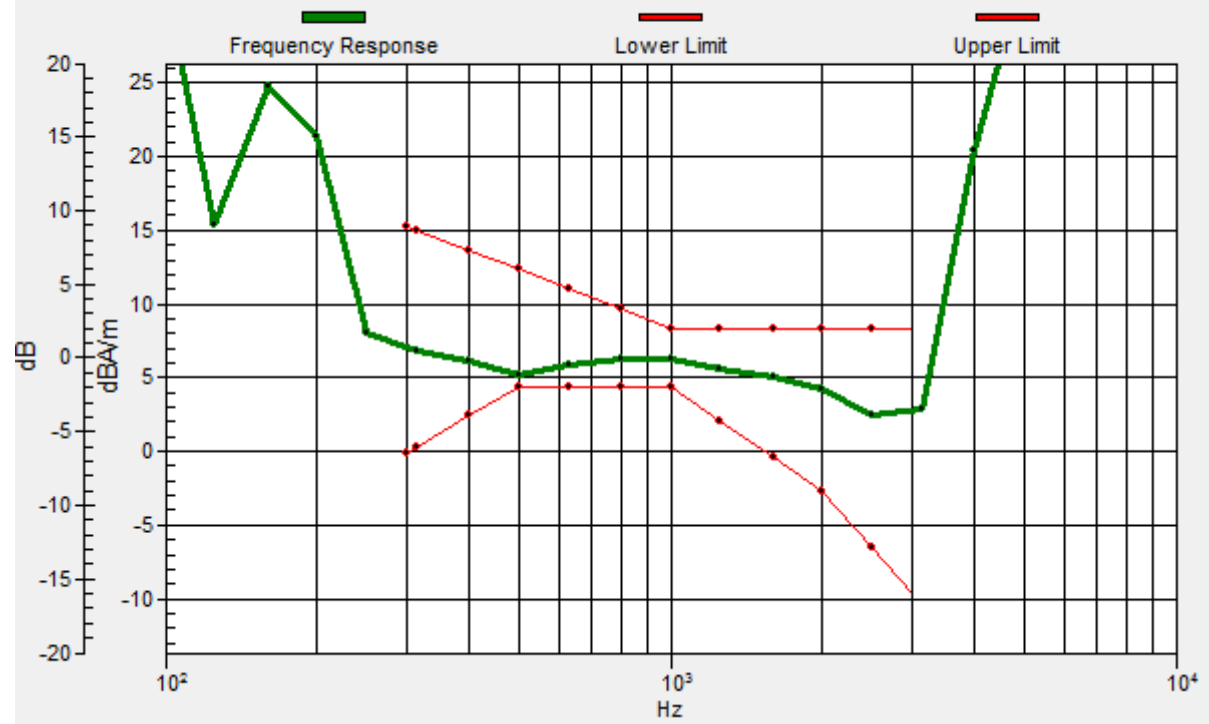
ABM1 comp = 3.37 dBA/m

Location: 2.6, 1.6, 3.7 mm



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

Loc: 2.6, 1.3, 3.7 mm Diff: 0.81dB



#26_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Transversal (Y);Ant 2

Communication System: 802.11a; Frequency: 5200 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 36.12 dB

ABM1 comp = -3.13 dBA/m

Location: -0.2, 13.5, 3.7 mm



#27_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Axial (Z);Ant 2

Communication System: 802.11a; Frequency: 5300 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 35.32 dB

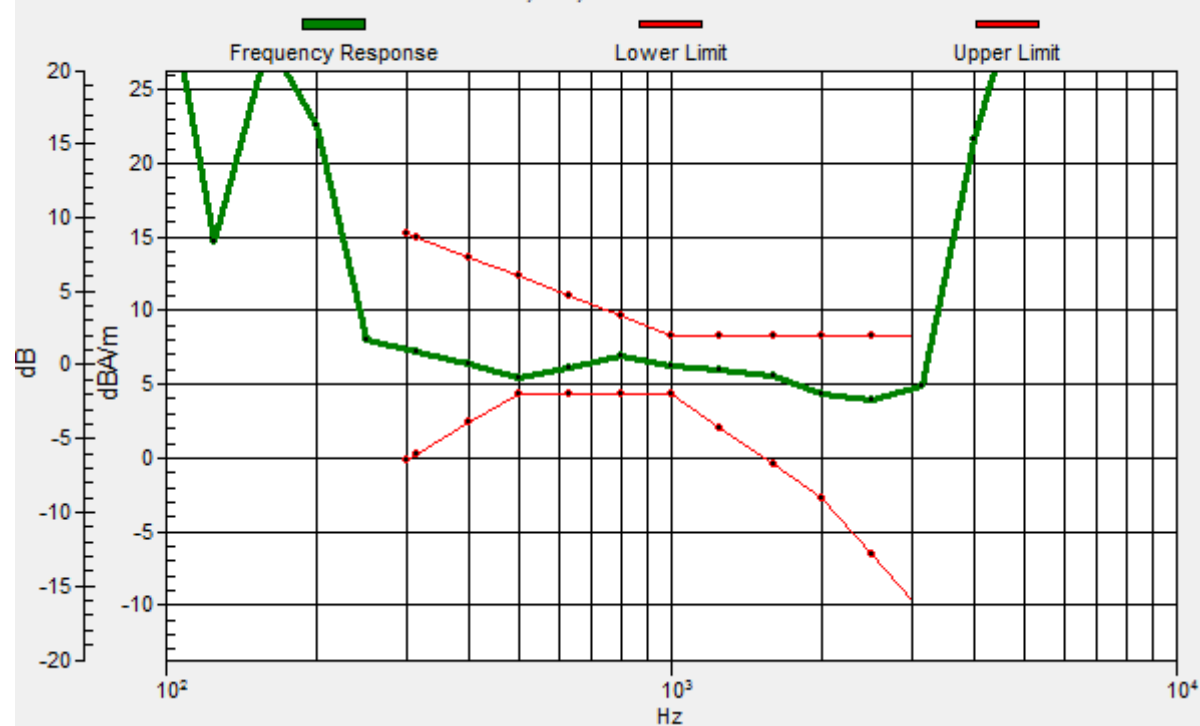
ABM1 comp = 6.89 dBA/m

Location: 3.3, 0.2, 3.7 mm



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

Loc: 3.9, -3.6, 3.7 mm Diff: 1.06dB



#27_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Transversal (Y);Ant 2

Communication System: 802.11a; Frequency: 5300 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

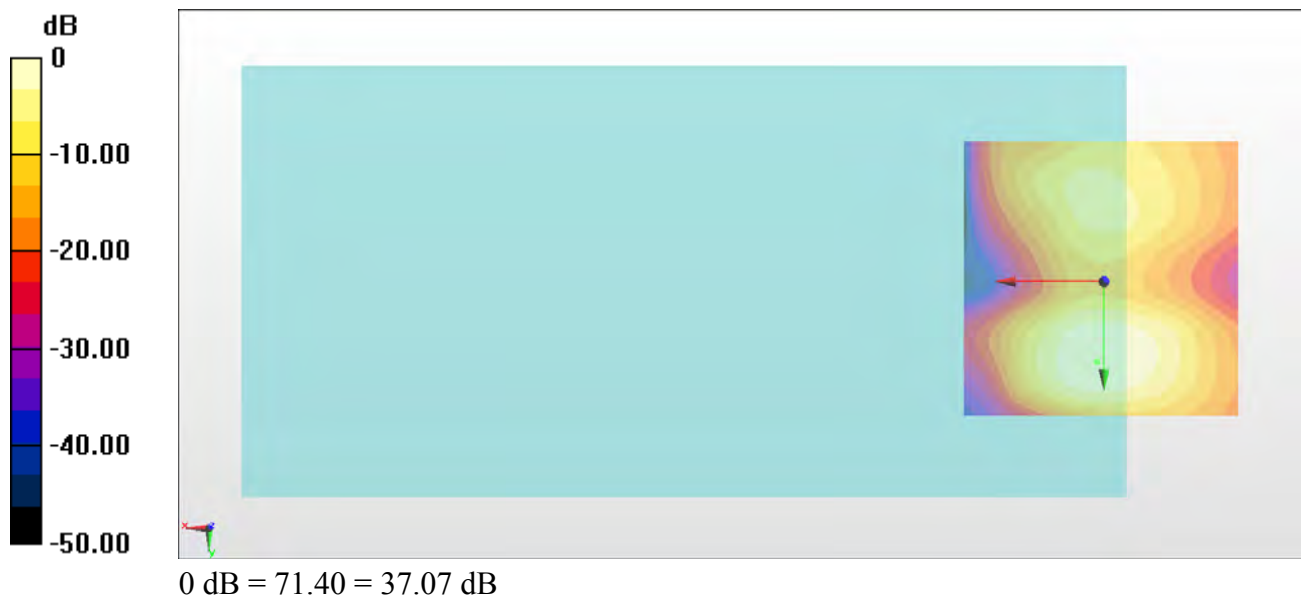
General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.07 dB

ABM1 comp = -5.65 dBA/m

Location: 1.2, 14.2, 3.7 mm



#28_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Axial (Z);Ant 2

Communication System: 802.11a; Frequency: 5620 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 37.09 dB

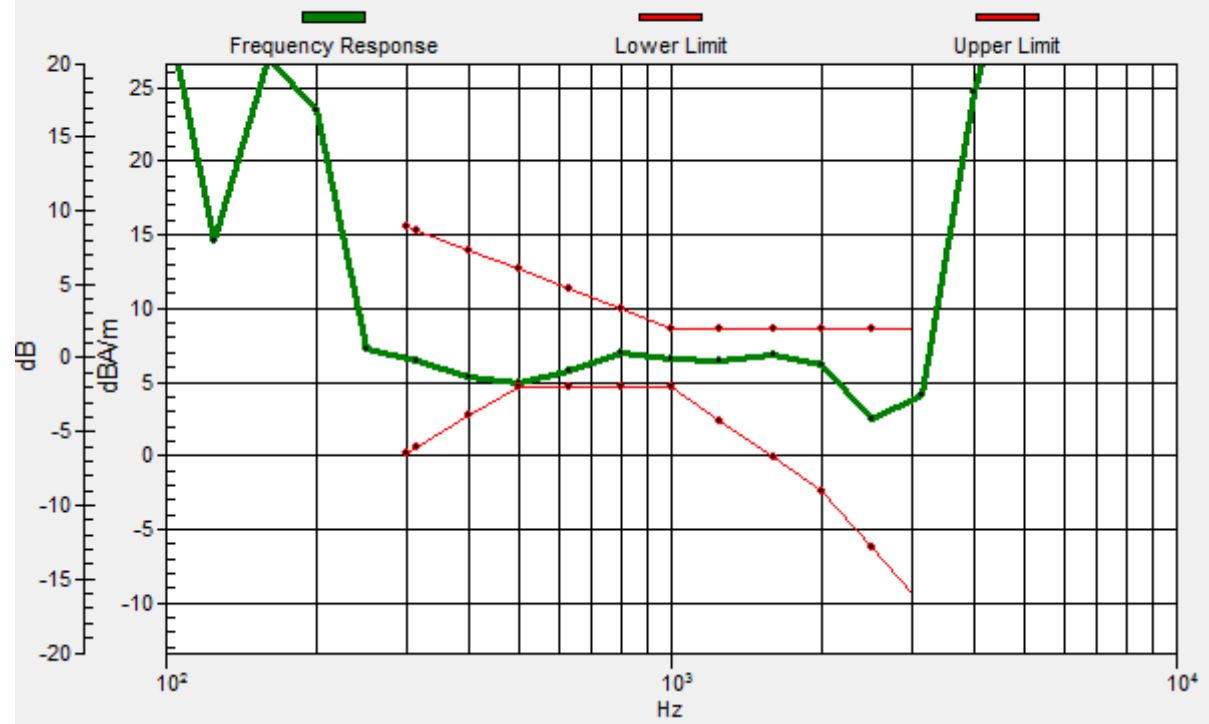
ABM1 comp = 4.37 dBA/m

Location: 1.9, -4, 3.7 mm



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

Loc: 1.7, -3.7, 3.7 mm Diff: 0.23dB



#28_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Transversal (Y);Ant 2

Communication System: 802.11a; Frequency: 5620 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 36.61 dB

ABM1 comp = -6.20 dBA/m

Location: 0.5, 13.5, 3.7 mm



#29_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Axial (Z);Ant 2

Communication System: 802.11a; Frequency: 5785 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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

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

ABM1/ABM2 = 30.60 dB

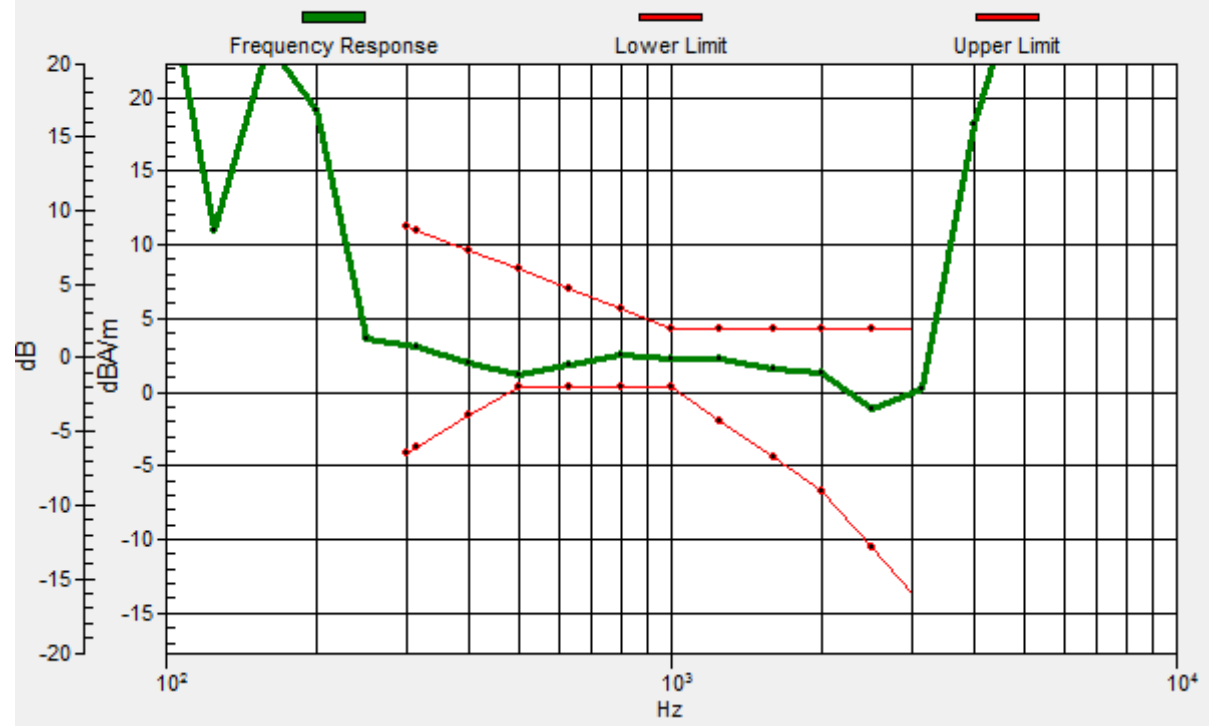
ABM1 comp = 0.80 dBA/m

Location: 11, 0.9, 3.7 mm



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

Loc: 10.9, 1.2, 3.7 mm Diff: 0.79dB



#29_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Transversal (Y);Ant 2

Communication System: 802.11a; Frequency: 5785 MHz

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2017/11/16
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

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 = 37.68 dB

ABM1 comp = -5.33 dBA/m

Location: 0.5, 13.5, 3.7 mm

