

01_HAC T-Coil_GSM850_Voice_Ch189_Z

Communication System: UID 0, Generic GSM (0); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1331; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch189/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 = 35.71 dB

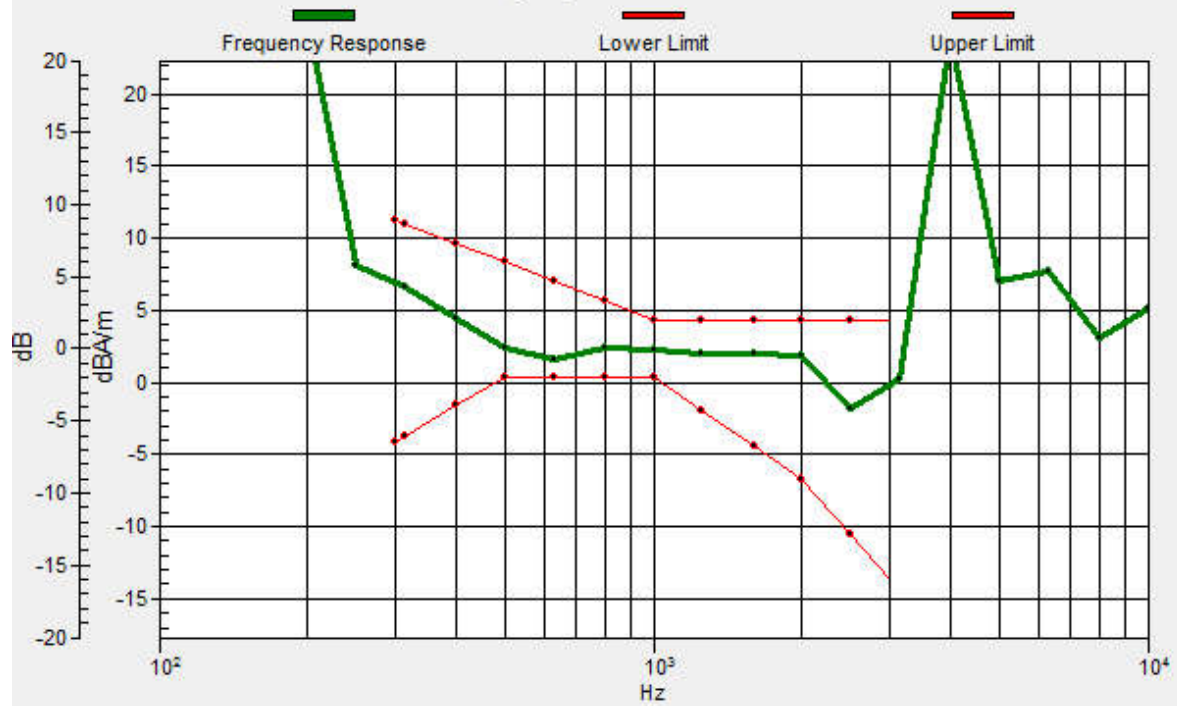
ABM1 comp = 1.85 dBA/m

Location: 4.6, -5.8, 3.7 mm



Ch189/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.7, -5.9, 3.7 mm Diff: 1.21dB



01_HAC T-Coil_GSM850_Voice_Ch189_Y

Communication System: UID 0, Generic GSM (0); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch189/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 = 38.88 dB

ABM1 comp = -11.57 dBA/m

Location: -2.1, 7.9, 3.7 mm



02_HAC T-Coil_GSM1900_Voice_Ch661_Z

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

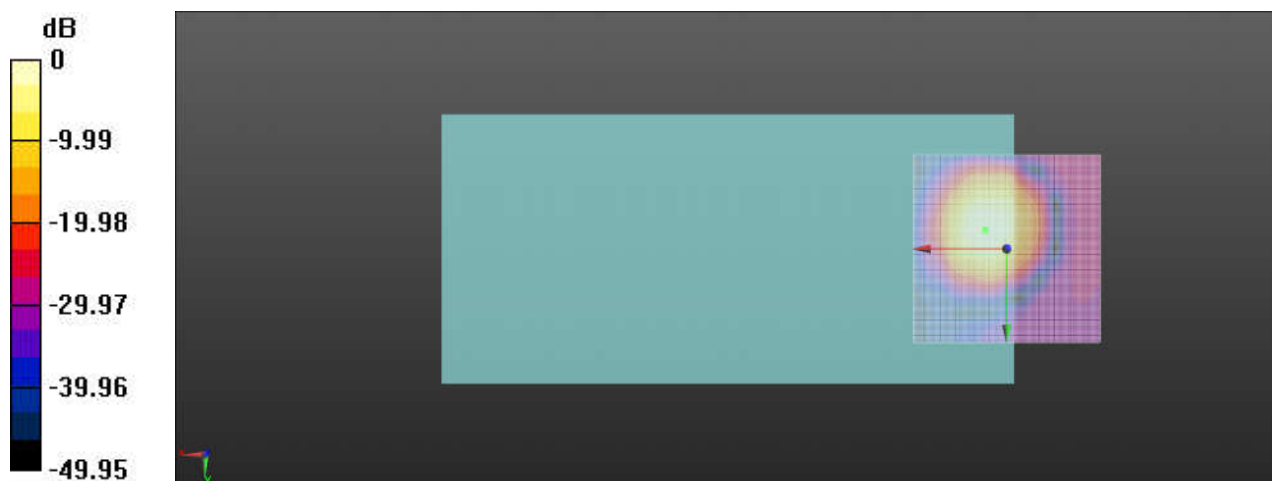
Ch661/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.42 dB

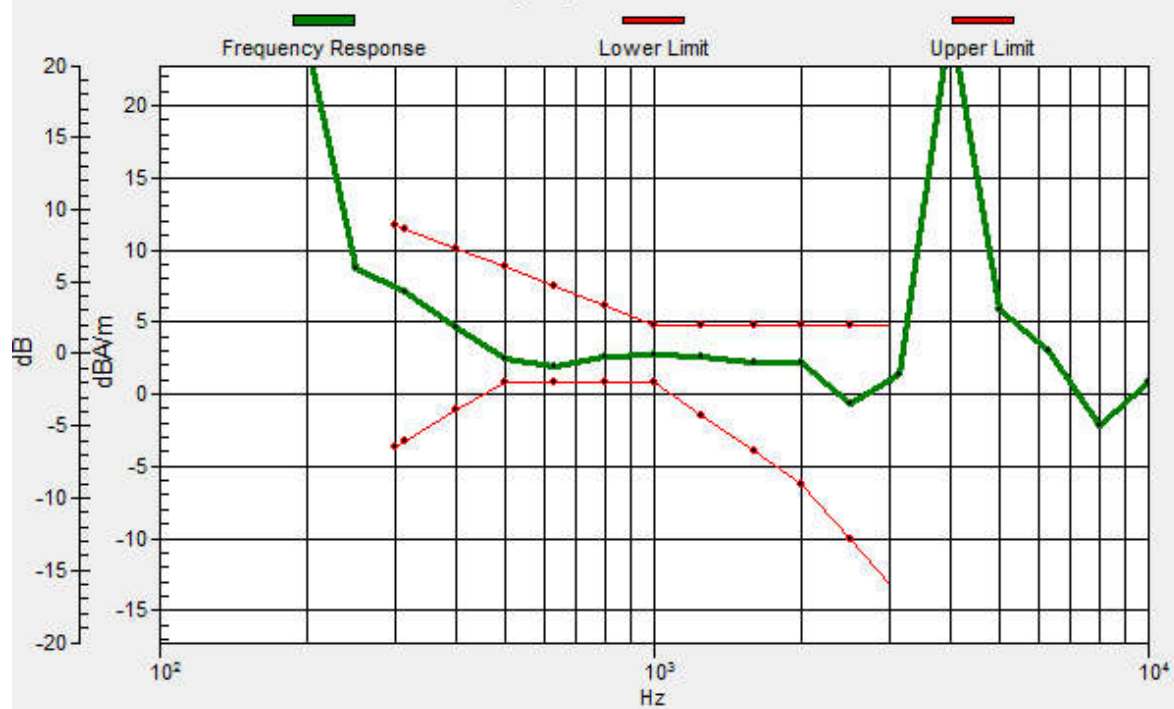
ABM1 comp = 2.45 dBA/m

Location: 5.8, -5, 3.7 mm



Ch661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.7, -5.2, 3.7 mm Diff: 1.08dB



02_HAC T-Coil_GSM1900_Voice_Ch661_Y

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

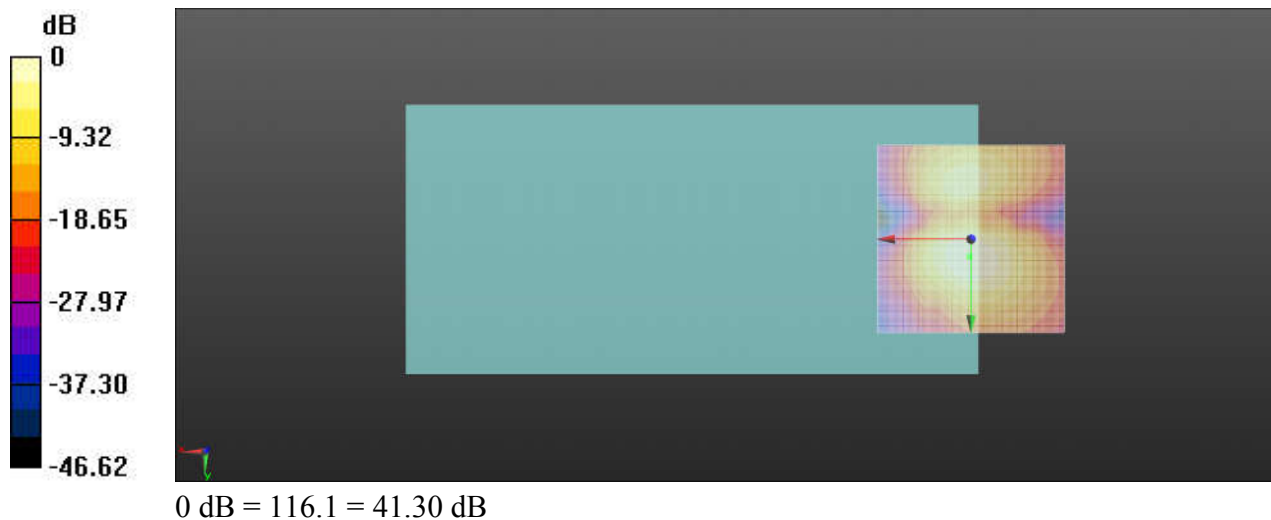
Ch661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 41.30 dB

ABM1 comp = -7.75 dBA/m

Location: 0.4, 4.6, 3.7 mm



03_HAC T-Coil_WCDMA V_Voice_Ch4182_Z

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

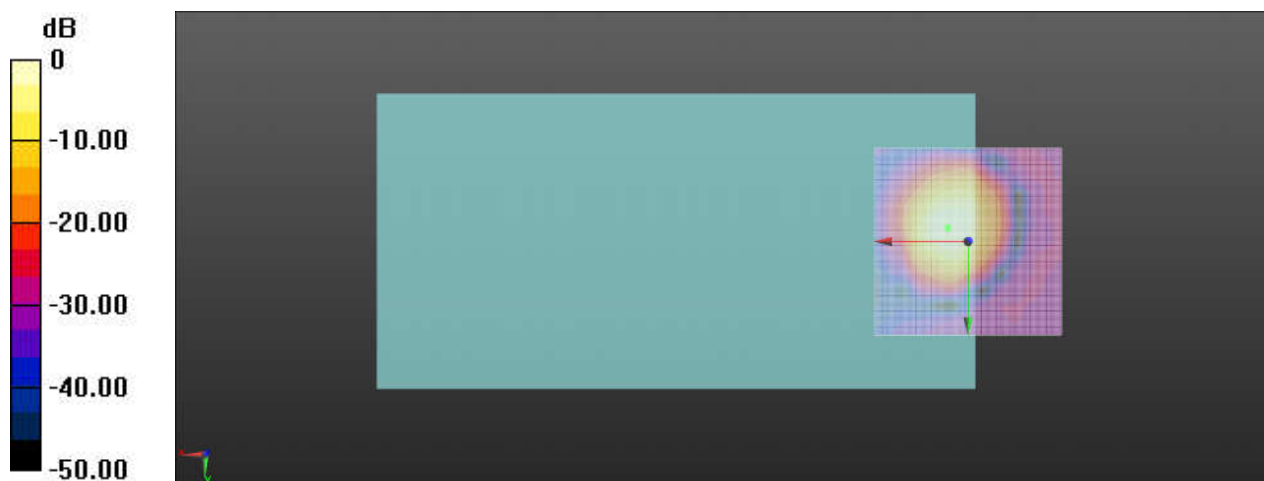
Ch4182/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 46.45 dB

ABM1 comp = -0.29 dBA/m

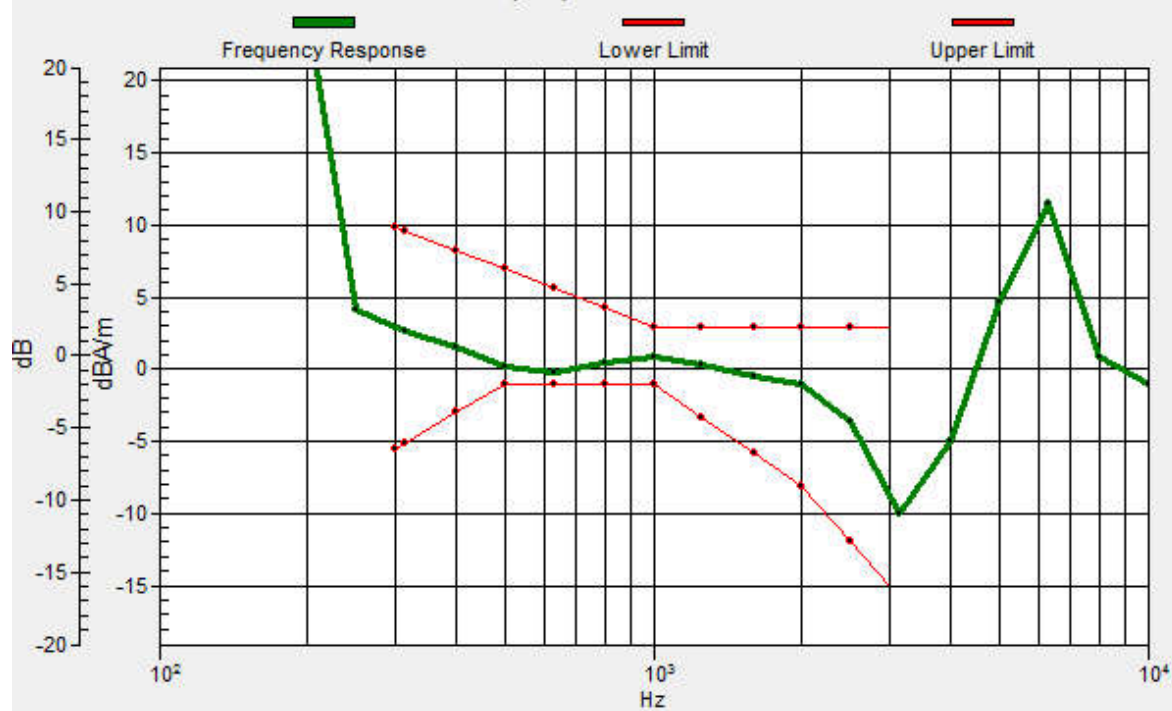
Location: 5.4, -3.8, 3.7 mm



0 dB = 210.2 = 46.45 dB

Ch4182/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.4, -3.6, 3.7 mm Diff: 0.85dB



03_HAC T-Coil_WCDMA V_Voice_Ch4182_Y

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

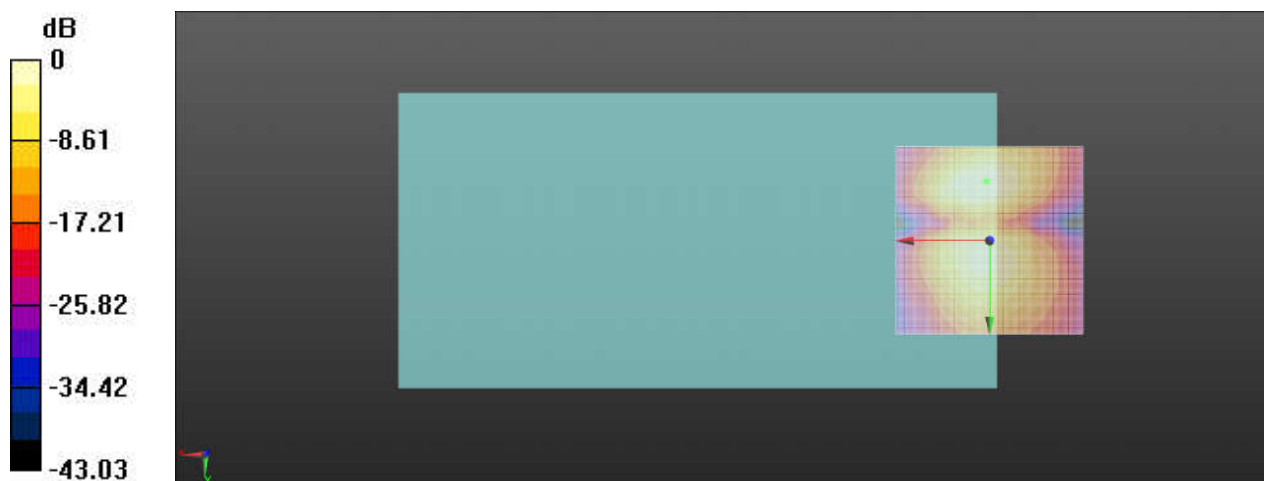
Ch4182/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.60 dB

ABM1 comp = -9.49 dBA/m

Location: 0.8, -15.8, 3.7 mm



0 dB = 134.9 = 42.60 dB

04_HAC T-Coil_WCDMA II_Voice_Ch9400_Z

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

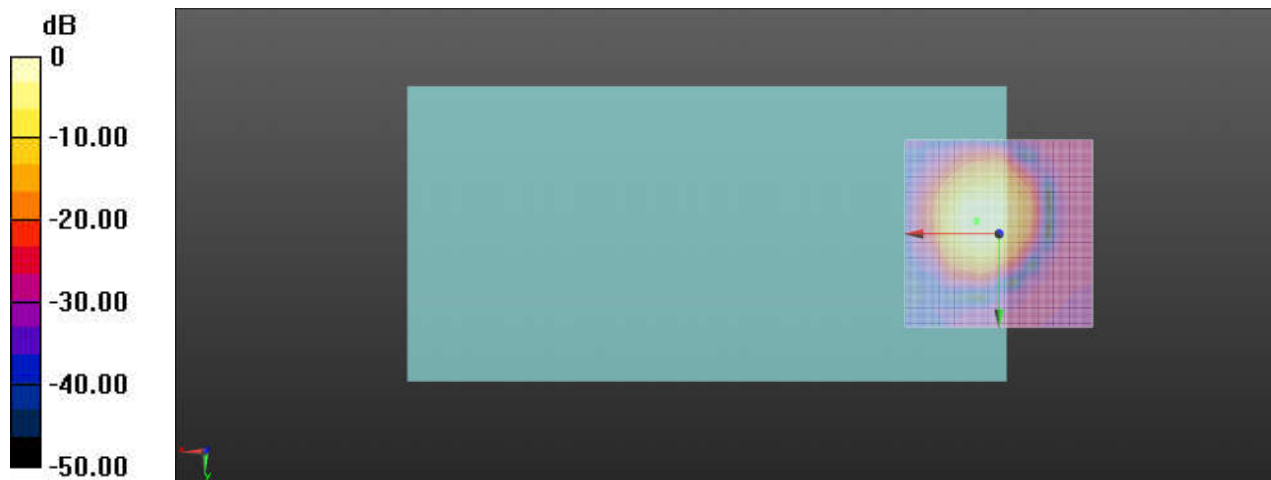
Ch9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.16 dB

ABM1 comp = -3.45 dBA/m

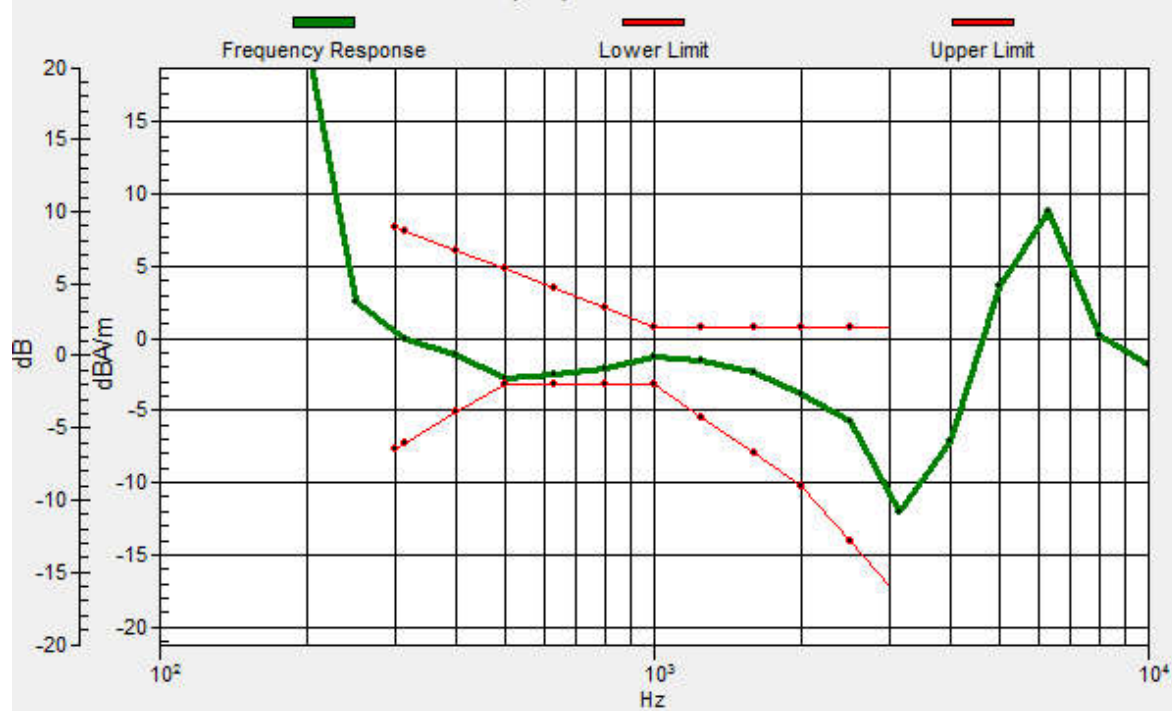
Location: 5.8, -3.3, 3.7 mm



0 dB = 144.0 = 43.17 dB

Ch9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.9, -3.5, 3.7 mm Diff: 0.44dB



04_HAC T-Coil_WCDMA II_Voice_Ch9400_Z

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

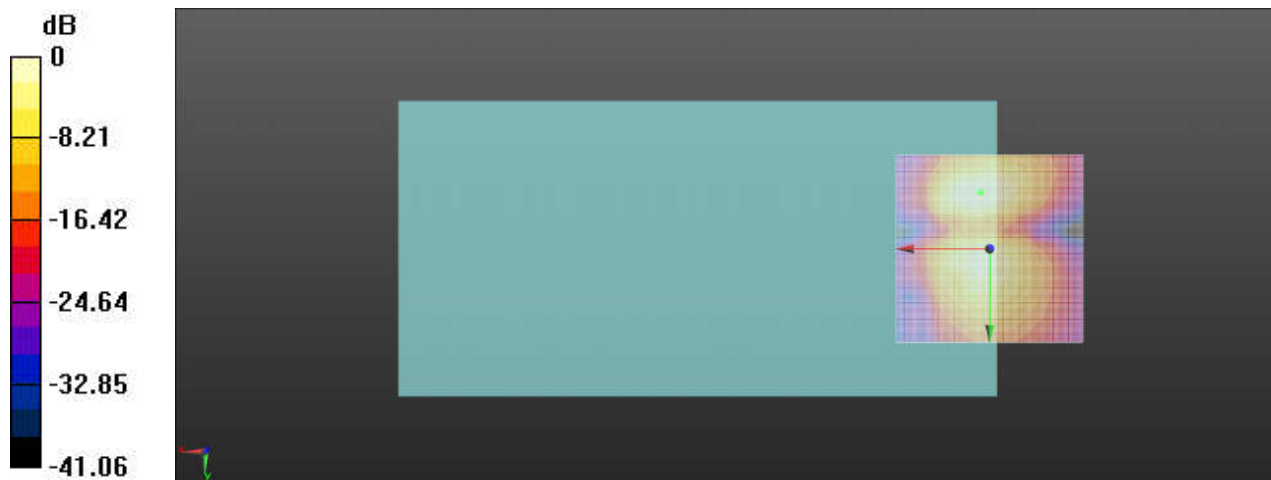
Ch9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 40.45 dB

ABM1 comp = -11.11 dBA/m

Location: 2.5, -15, 3.7 mm



0 dB = 105.4 = 40.46 dB

05_HAC T-Coil_LTE Band 2_20M_QPSK_1RB_Offset_Ch18900_Z

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

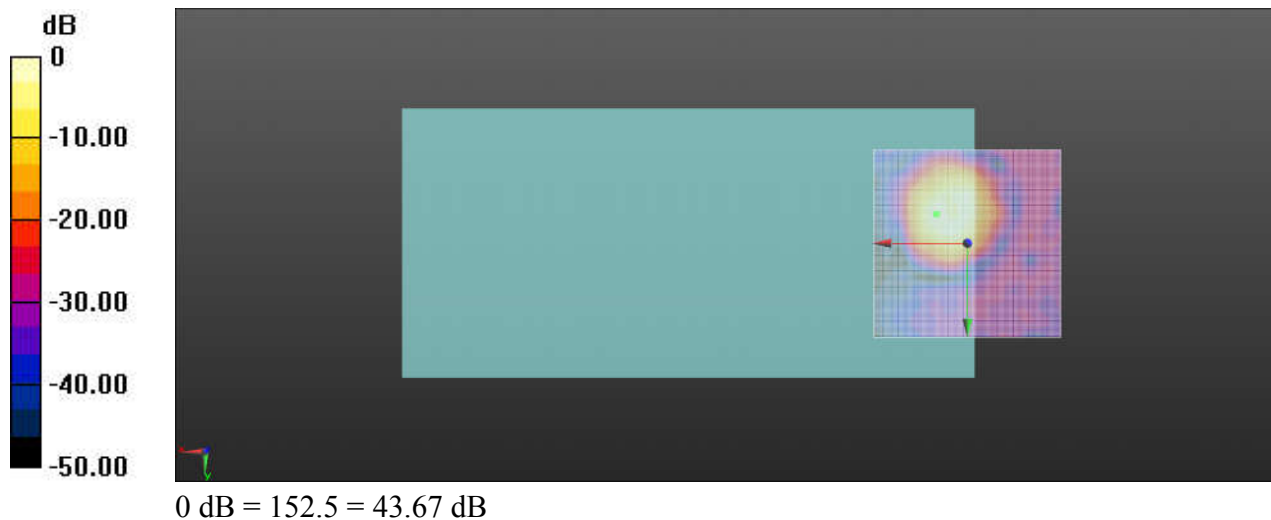
Ch18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.67 dB

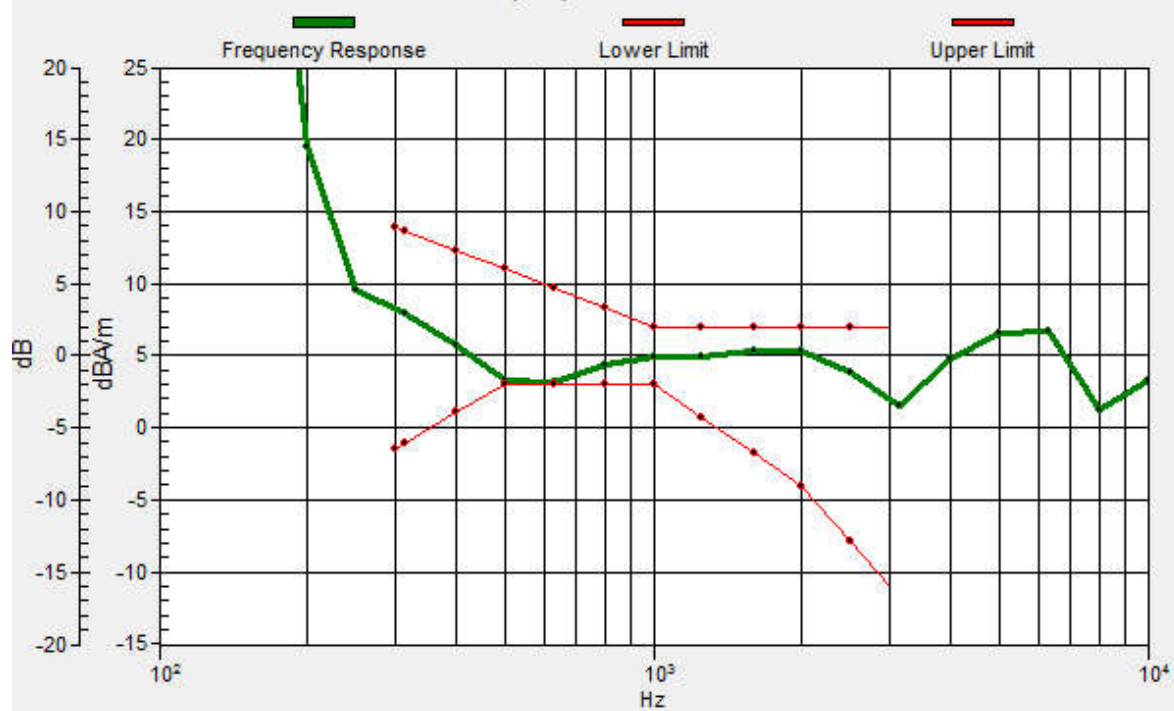
ABM1 comp = 1.58 dBA/m

Location: 8.3, -7.9, 3.7 mm



Ch18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.2, -7.9, 3.7 mm Diff: 0.22dB



05_HAC T-Coil_LTE Band 2_20M_QPSK_1RB_Offset_Ch18900_Y

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

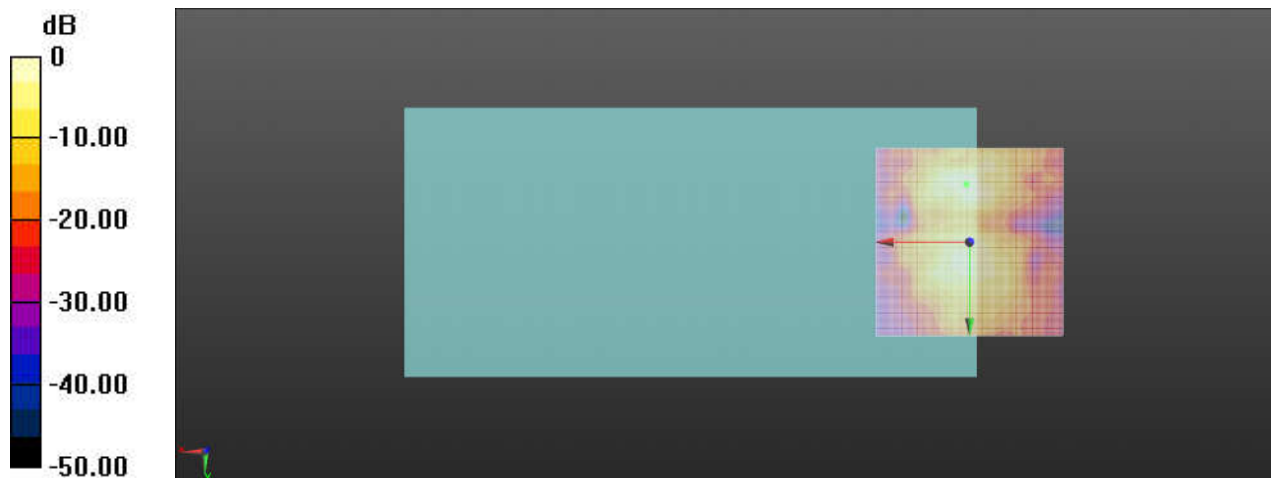
Ch18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.86 dB

ABM1 comp = -13.19 dBA/m

Location: 0.8, -15.4, 3.7 mm



0 dB = 78.16 = 37.86 dB

06_HAC T-Coil_LTE Band 7_20M_QPSK_1RB_Offset_Ch21100_Z

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

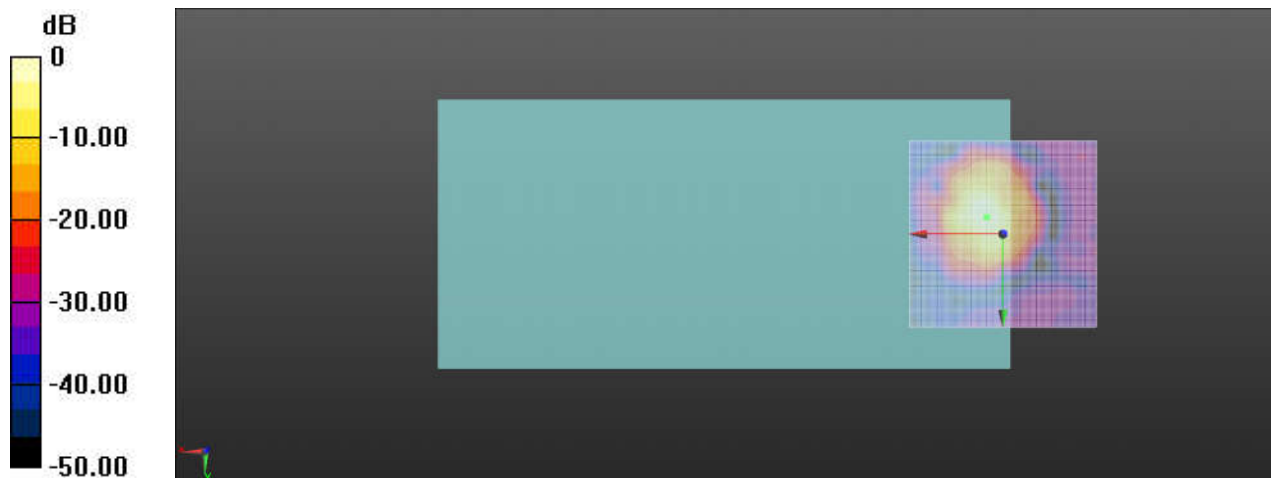
Ch21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.81 dB

ABM1 comp = -4.39 dBA/m

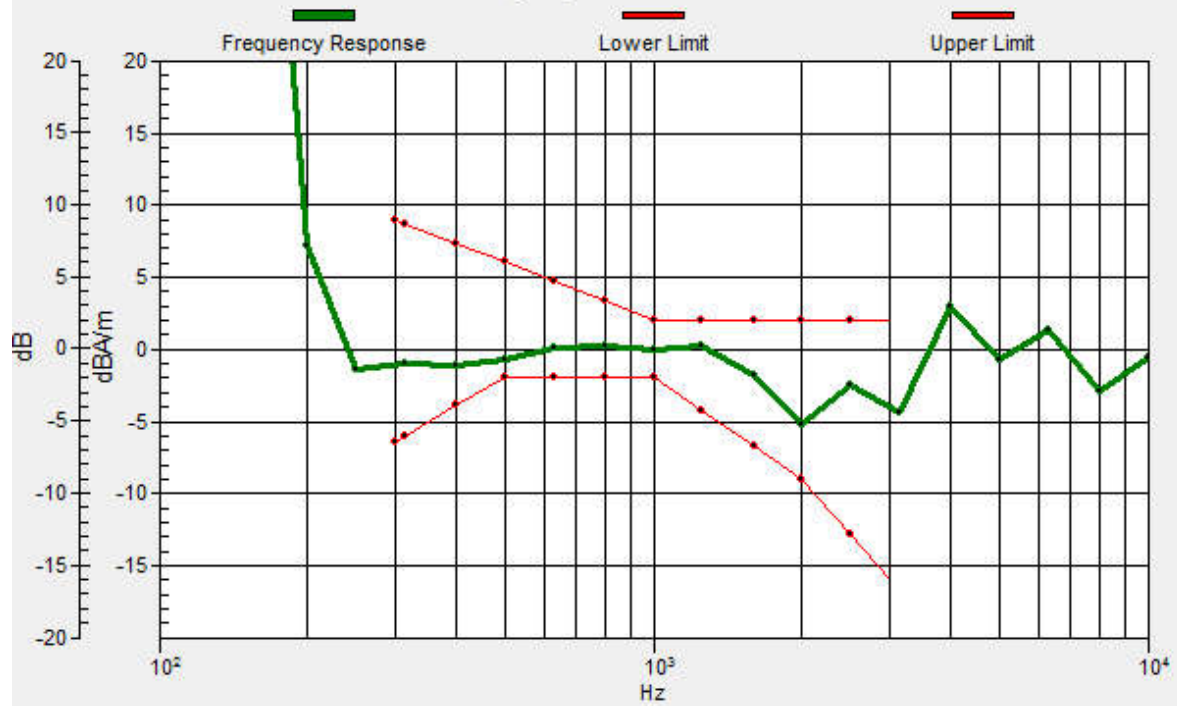
Location: 4.2, -4.6, 3.7 mm



0 dB = 97.79 = 39.81 dB

Ch21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.3, -4.6, 3.7 mm Diff: 1.22dB



06_HAC T-Coil_LTE Band 7_20M_QPSK_1RB_Offset_Ch21100_Y

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

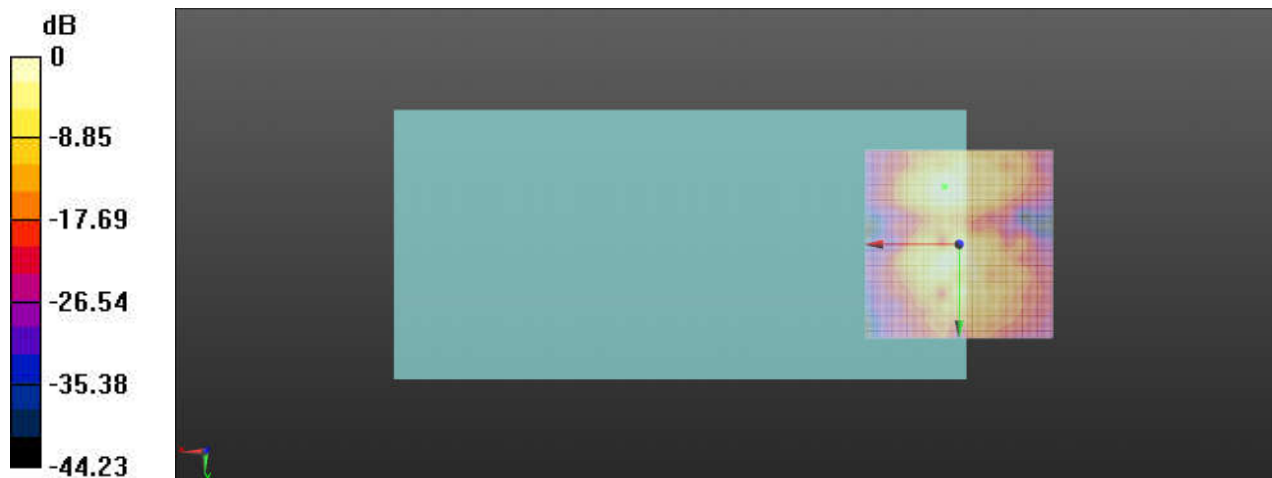
Ch21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.23 dB

ABM1 comp = -11.17 dBA/m

Location: 3.8, -15.4, 3.7 mm



0 dB = 72.73 = 37.23 dB

07_HAC T-Coil_LTE Band 26_15M_QPSK_1RB_Offset_Ch26865_Z

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch26865/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 = 40.77 dB

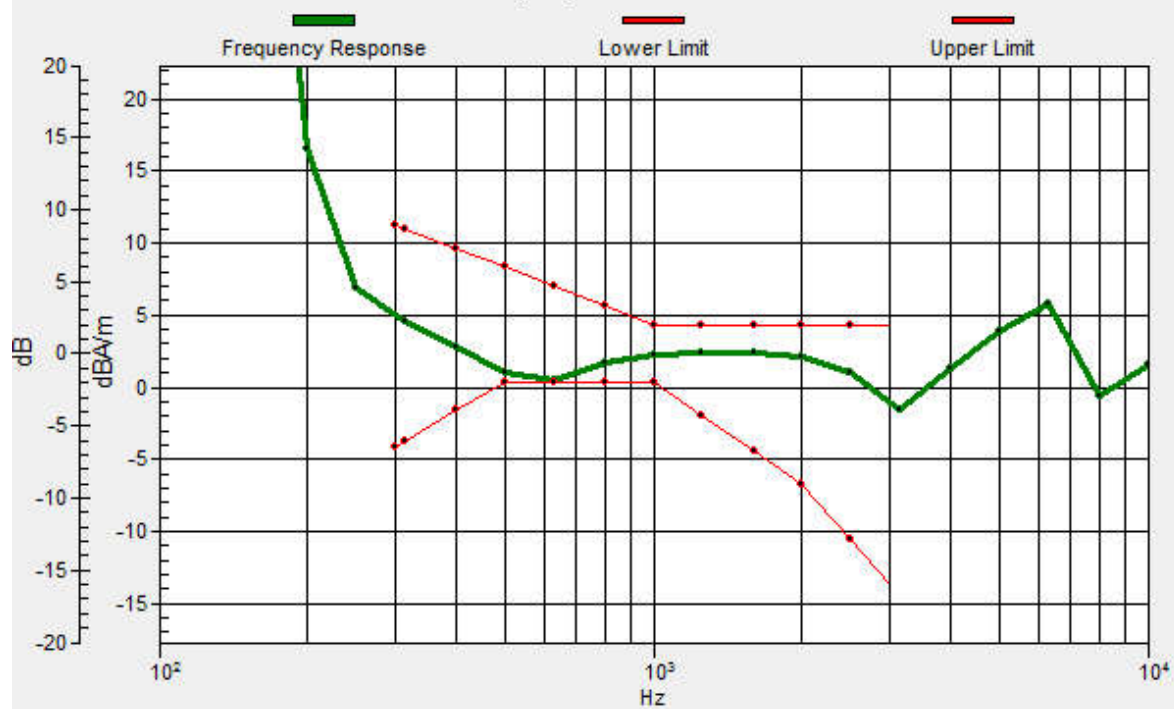
ABM1 comp = -2.39 dBA/m

Location: 7.5, -3.3, 3.7 mm



Ch26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 7.7, -3.6, 3.7 mm Diff: 0.2dB



07_HAC T-Coil_LTE Band 26_15M_QPSK_1RB_Offset_Ch26865_Y

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

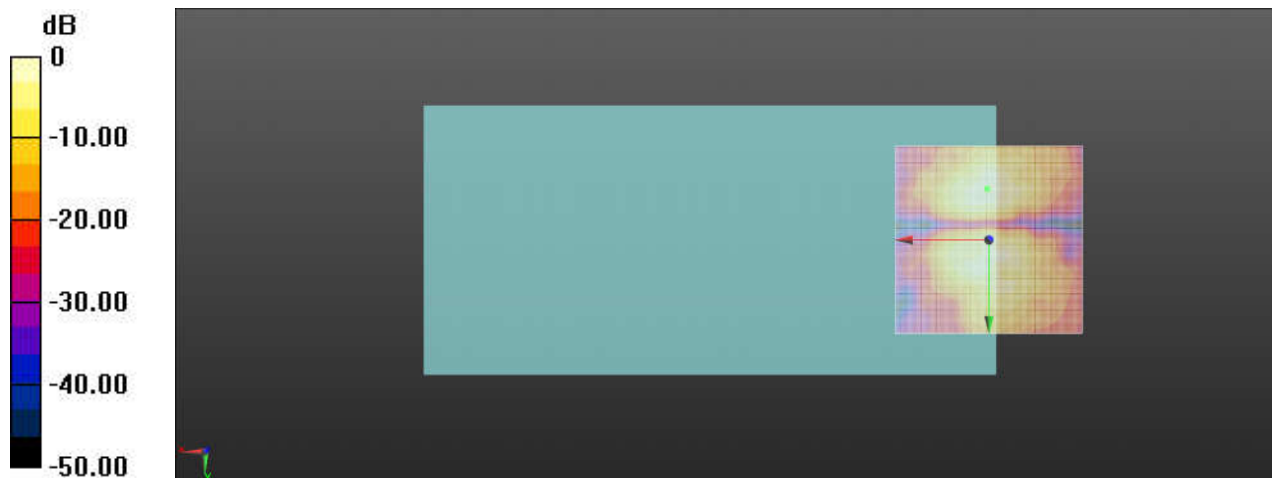
Ch26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.05 dB

ABM1 comp = -11.61 dBA/m

Location: 0.4, -13.8, 3.7 mm



0 dB = 89.67 = 39.05 dB

08_HAC T-Coil_LTE Band 41_20M_QPSK_1RB_Offset_Ch40620_Z

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

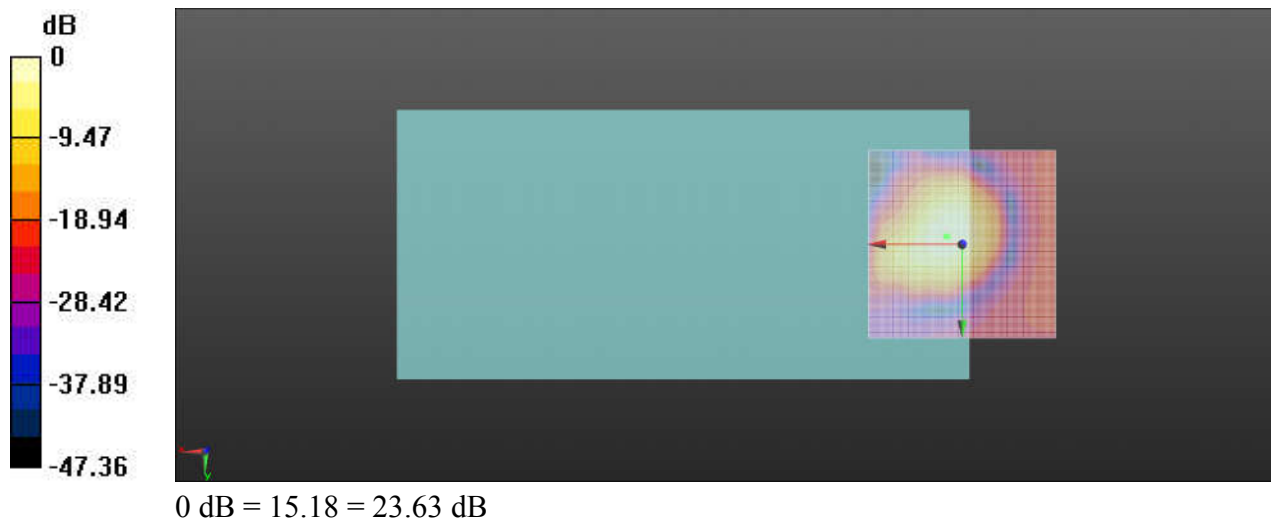
Ch40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 23.62 dB

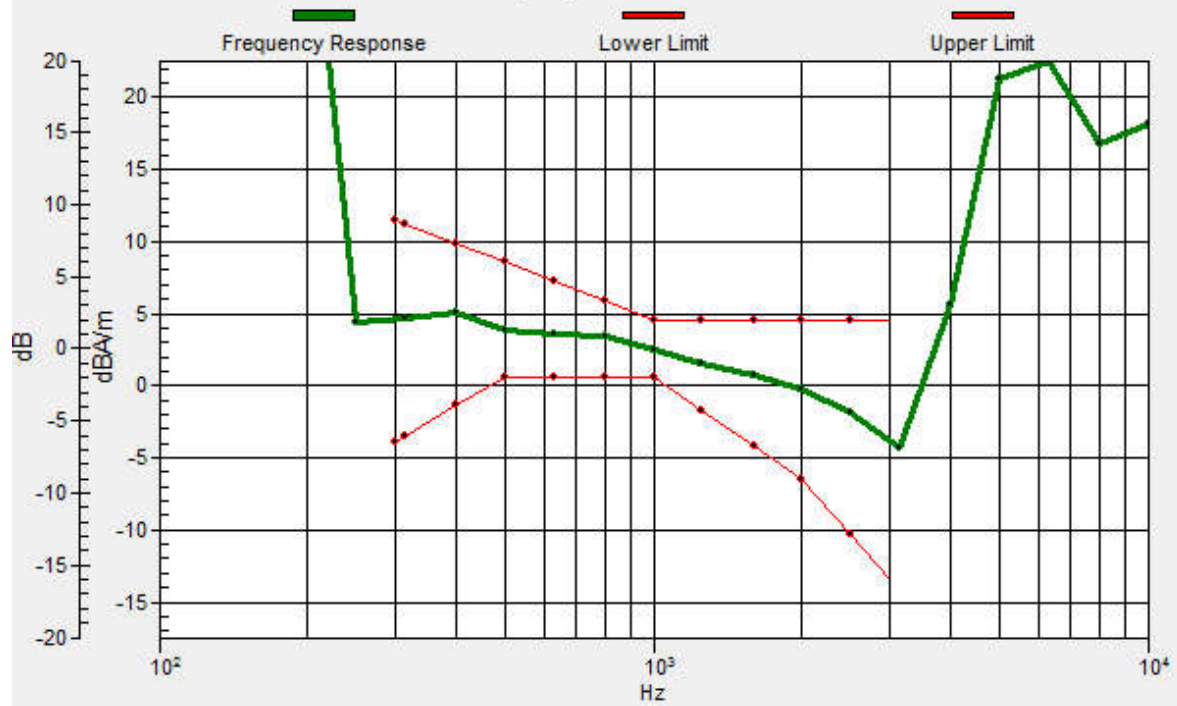
ABM1 comp = 2.37 dBA/m

Location: 4.2, -2.1, 3.7 mm



Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4, -2.2, 3.7 mm Diff: 2dB



08_HAC T-Coil_LTE Band 41_20M_QPSK_1RB_Offset_Ch40620_Y

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

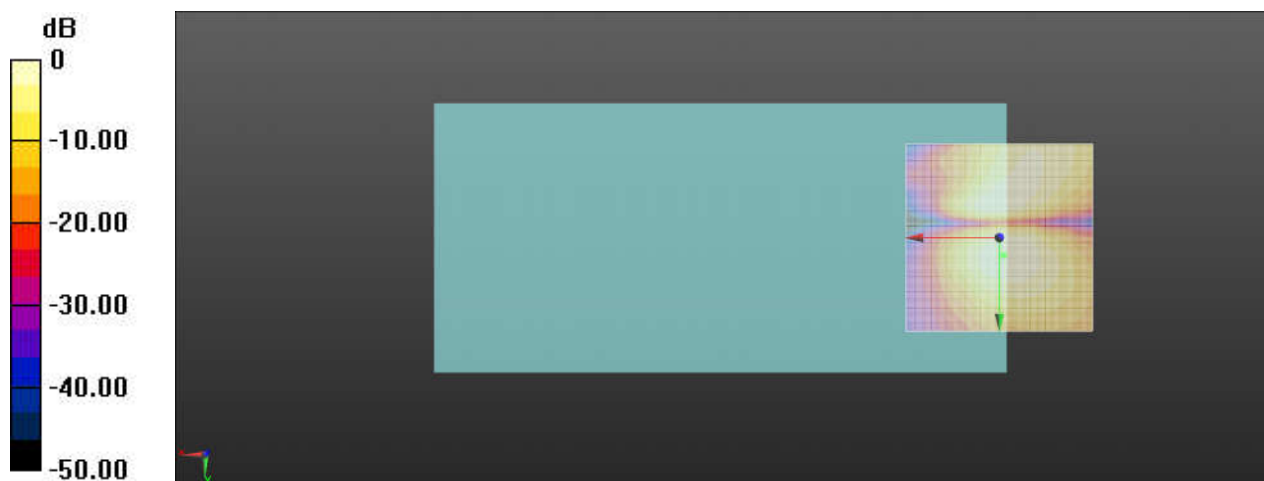
Ch40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.77 dB

ABM1 comp = -7.66 dBA/m

Location: -1.2, 4.6, 3.7 mm



0 dB = 34.57 = 30.77 dB

15_HAC T-Coil_LTE Band 41_20M_QPSK_1RB_Offset_Ch40620_Z

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

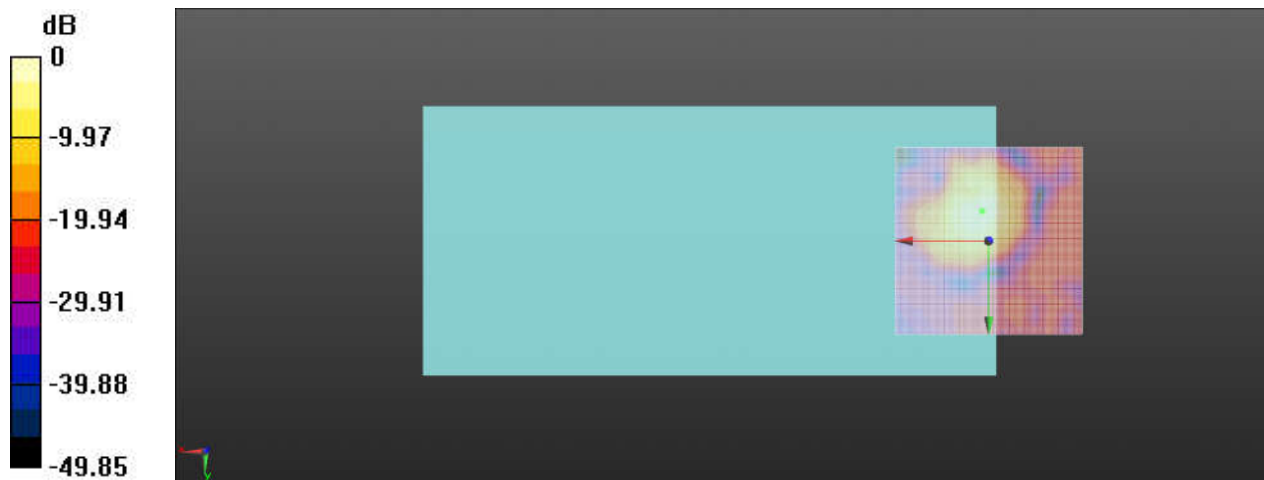
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.57 dB

ABM1 comp = -0.99 dBA/m

BWC Factor = 0.18 dB

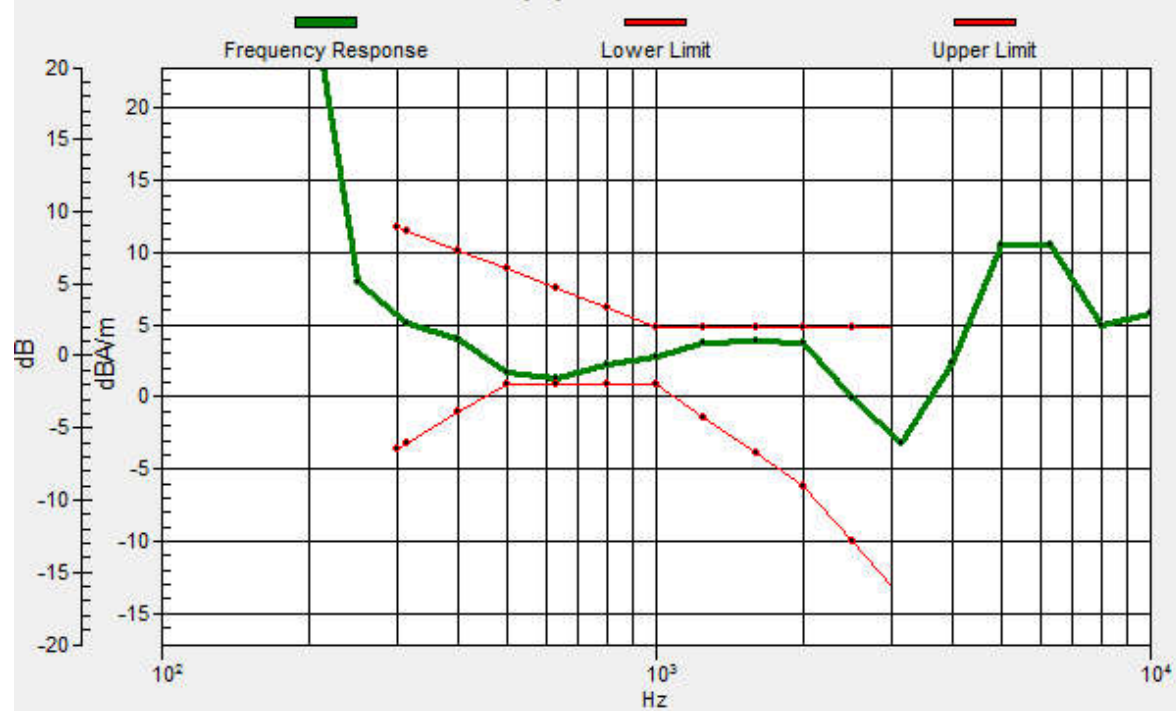
Location: 1.7, -7.9, 3.7 mm



0 dB = 30.09 = 29.57 dB

Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1.7, -8, 3.7 mm Diff: 0.38dB



15_HAC T-Coil_LTE Band 41_20M_QPSK_1RB_Offset_Ch40620_Y

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

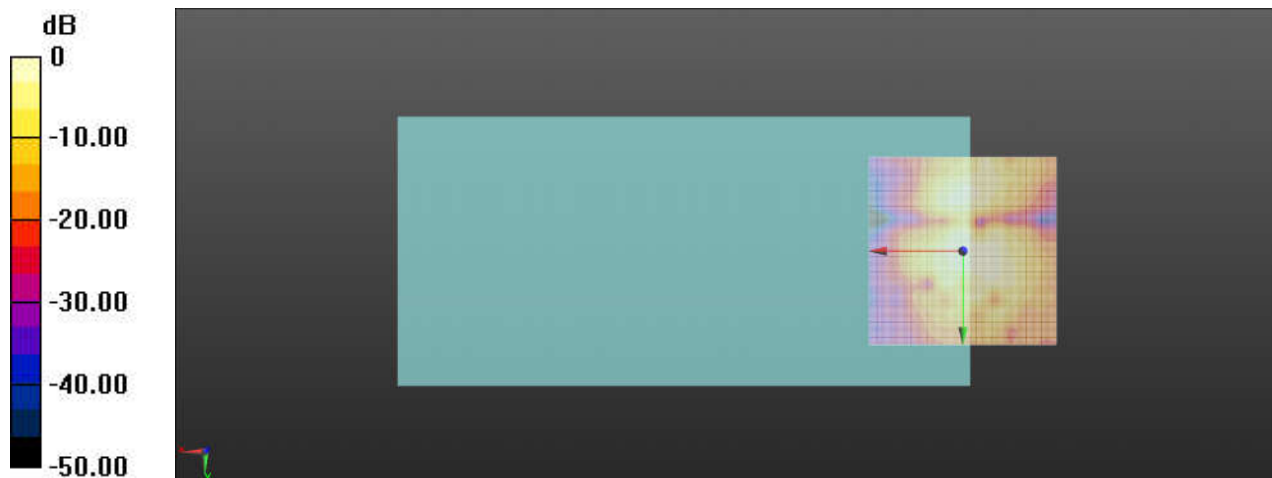
Ch40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 35.02 dB

ABM1 comp = -9.14 dBA/m

Location: -0.4, 0, 3.7 mm



0 dB = 56.37 = 35.02 dB

09_HAC T-Coil_LTE Band 42_20M_QPSK_1RB_Offset_Ch42590_Z

Communication System: UID 0, LTE (0); Frequency: 3500 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

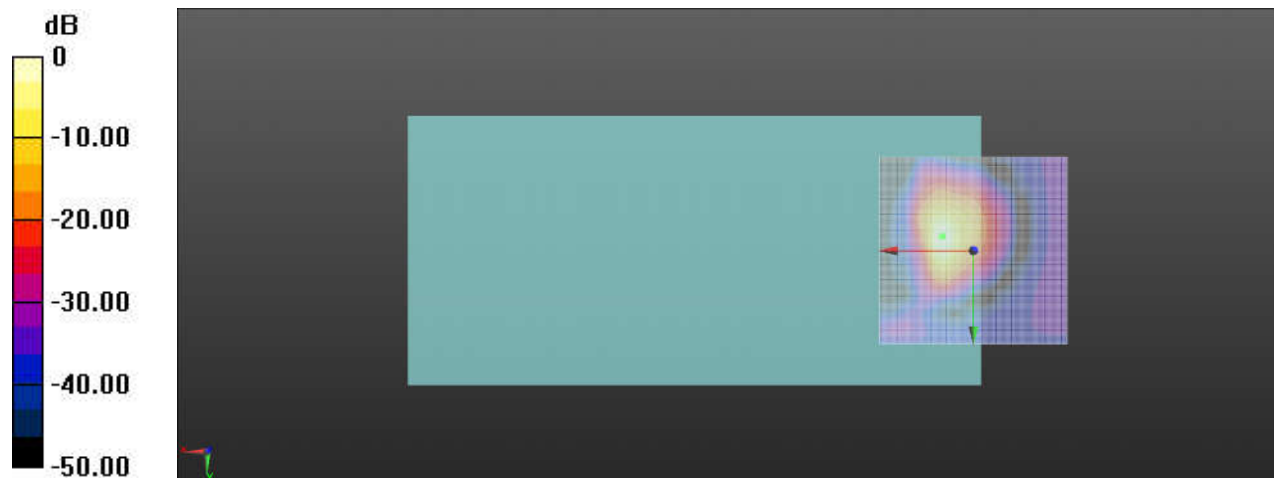
Ch42590/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 36.99 dB

ABM1 comp = 3.12 dBA/m

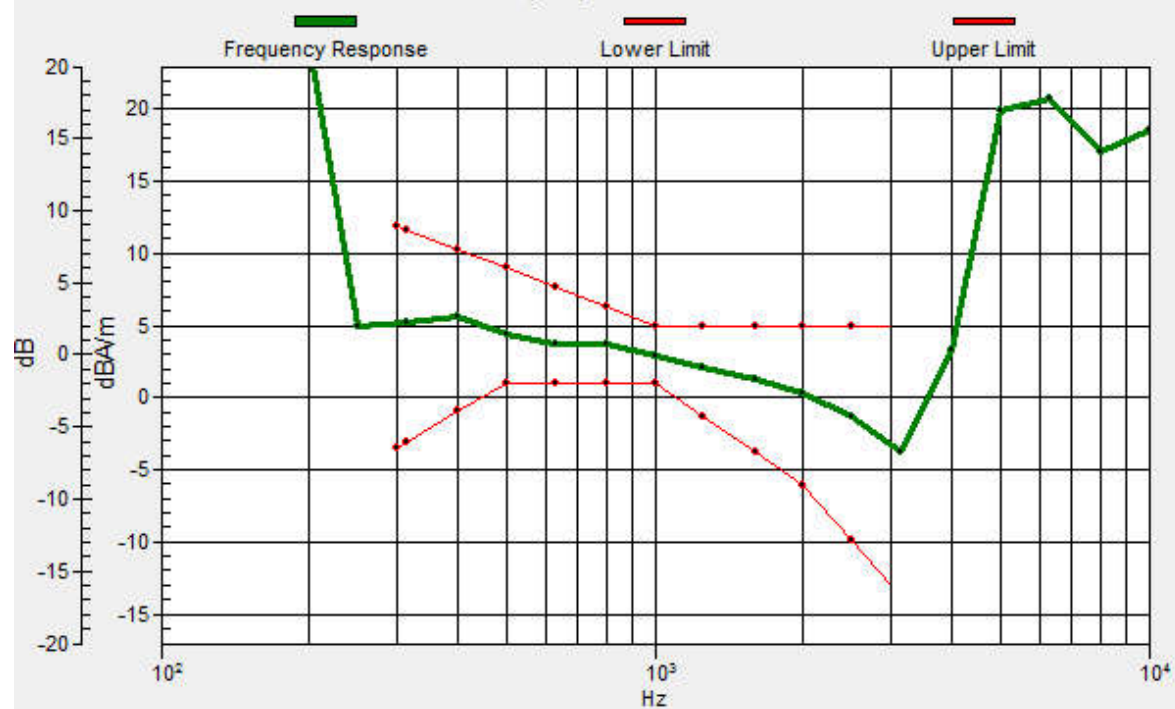
Location: 8.3, -3.8, 3.7 mm



0 dB = 70.75 = 36.99 dB

Ch42590/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.2, -3.9, 3.7 mm Diff: 2dB



09_HAC T-Coil_LTE Band 42_20M_QPSK_1RB_Offset_Ch42590_Y

Communication System: UID 0, LTE (0); Frequency: 3500 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

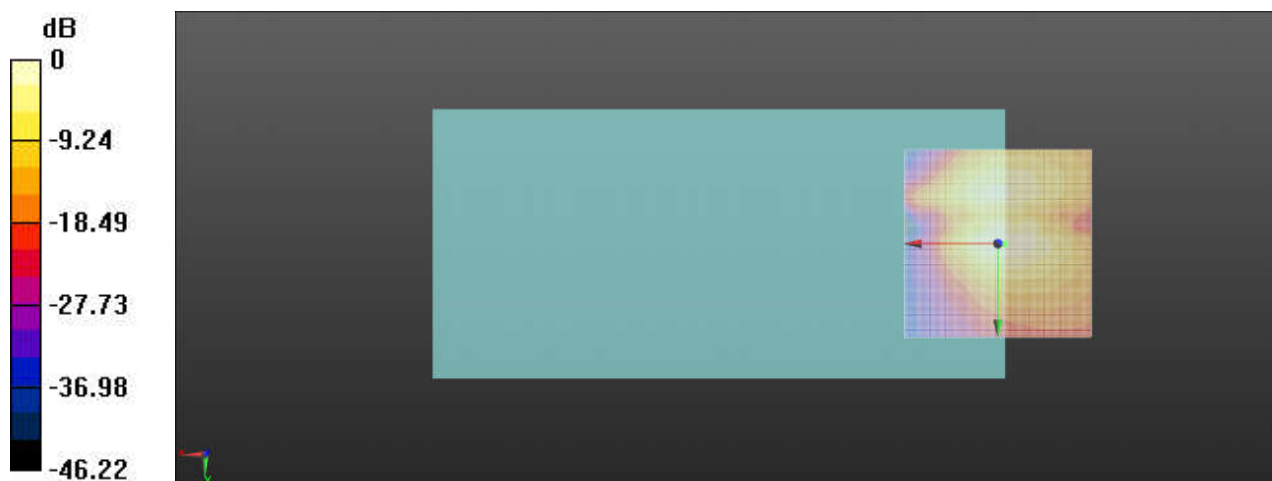
Ch42590/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 28.94 dB

ABM1 comp = -9.24 dBA/m

Location: -1.7, 0, 3.7 mm



0 dB = 28.00 = 28.94 dB

10_HAC T-Coil_WLAN 2.4GHz_802.11b_1M_Ch6_Z

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.026

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

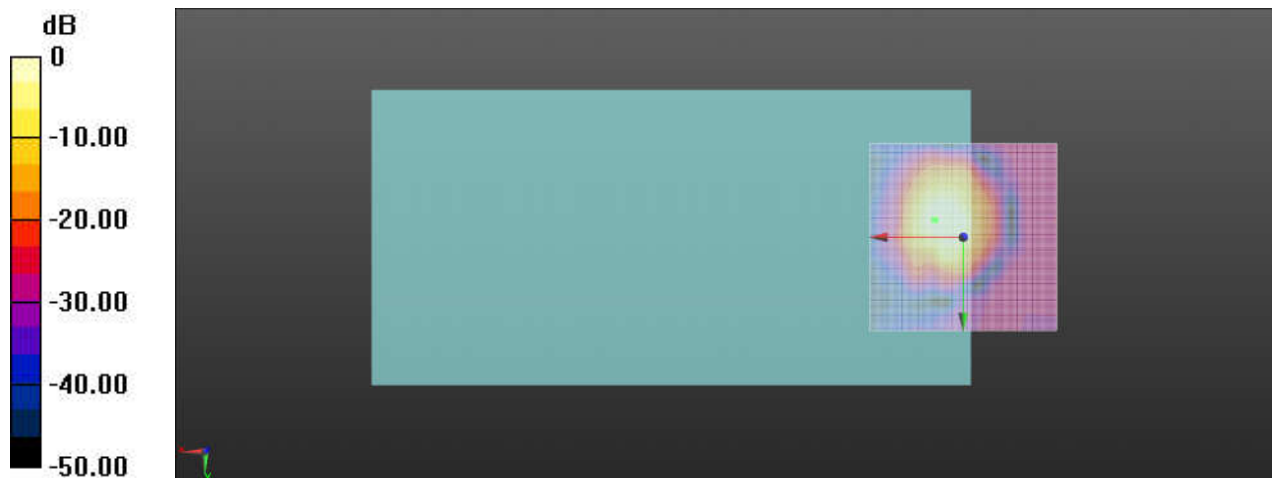
Ch6/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.08 dB

ABM1 comp = 5.66 dBA/m

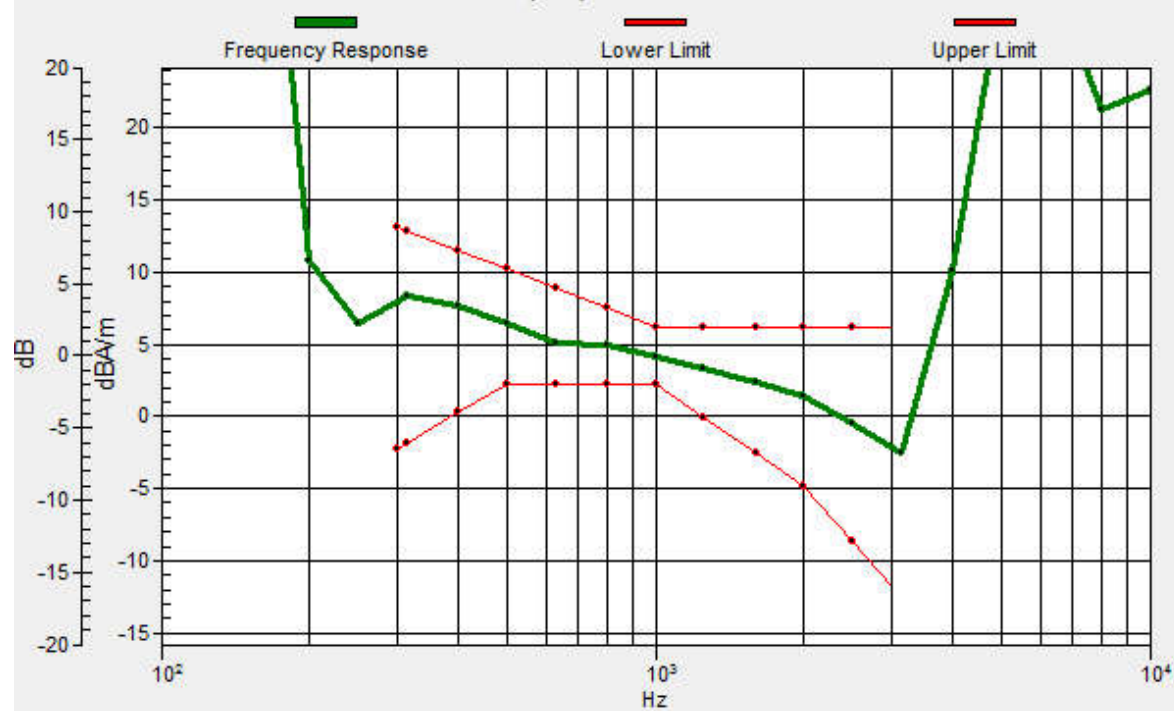
Location: 7.5, -4.6, 3.7 mm



0 dB = 253.6 = 48.08 dB

Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 7.7, -4.7, 3.7 mm Diff: 2dB



10_HAC T-Coil_WLAN 2.4GHz_802.11b_1M_Ch6_Y

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.026

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

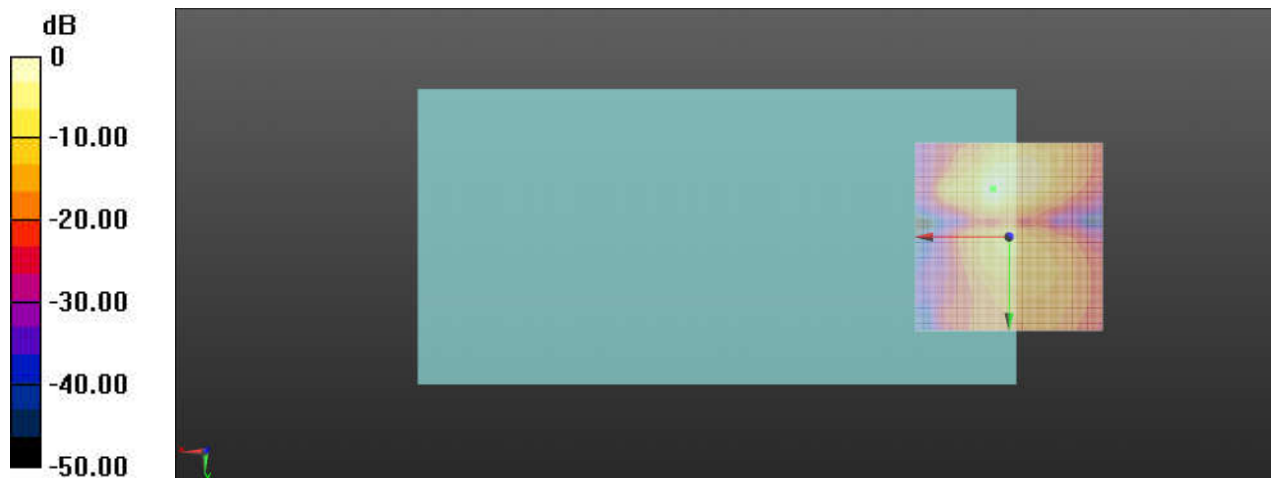
Ch6/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.92 dB

ABM1 comp = -2.99 dBA/m

Location: 4.2, -12.9, 3.7 mm



11_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch38_Z

Communication System: UID 0, WIFI (0); Frequency: 5190 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

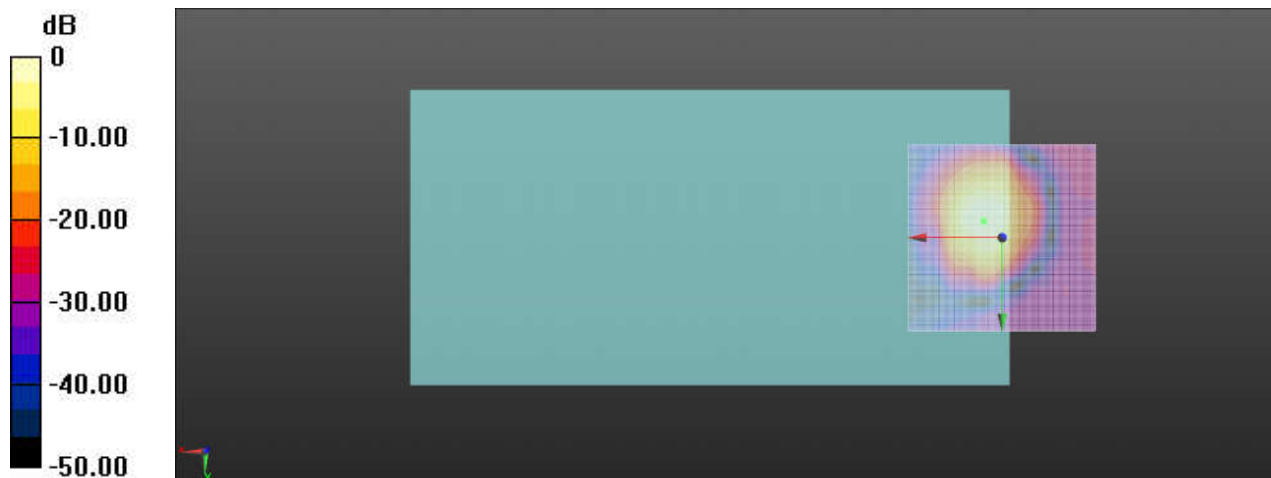
Ch38/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.76 dB

ABM1 comp = 3.58 dBA/m

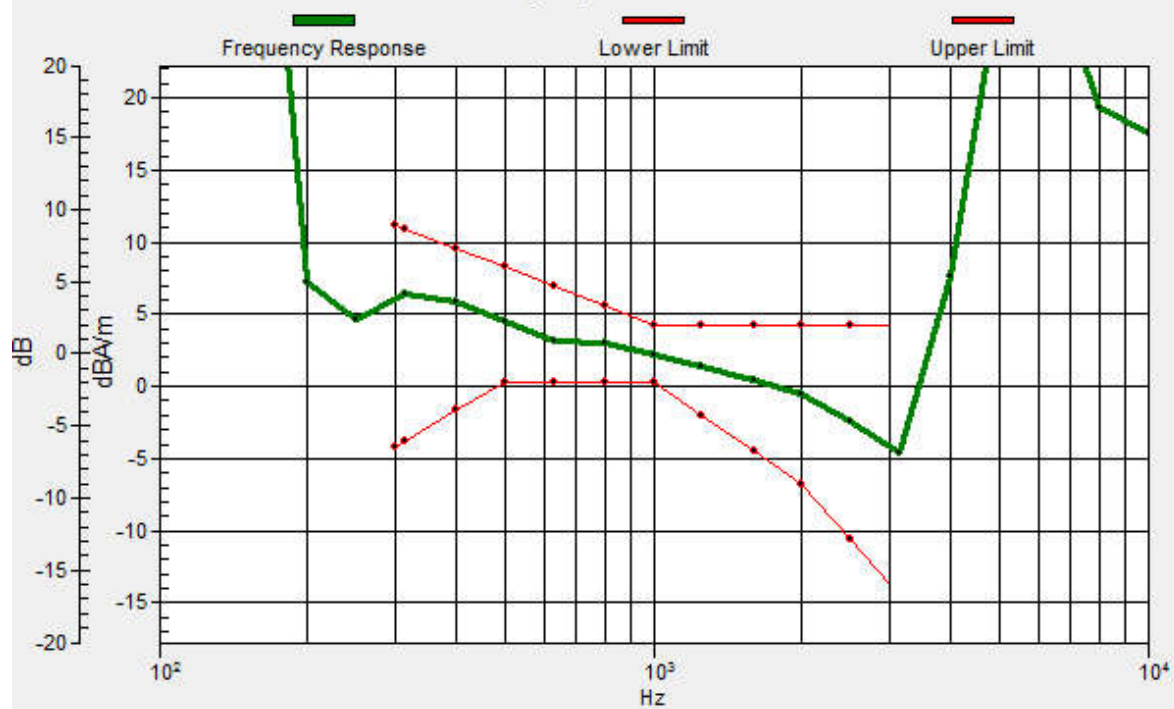
Location: 5, -4.6, 3.7 mm



0 dB = 307.7 = 49.76 dB

Ch38/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.9, -4.4, 3.7 mm Diff: 2dB



11_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch38_Y

Communication System: UID 0, WIFI (0); Frequency: 5190 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

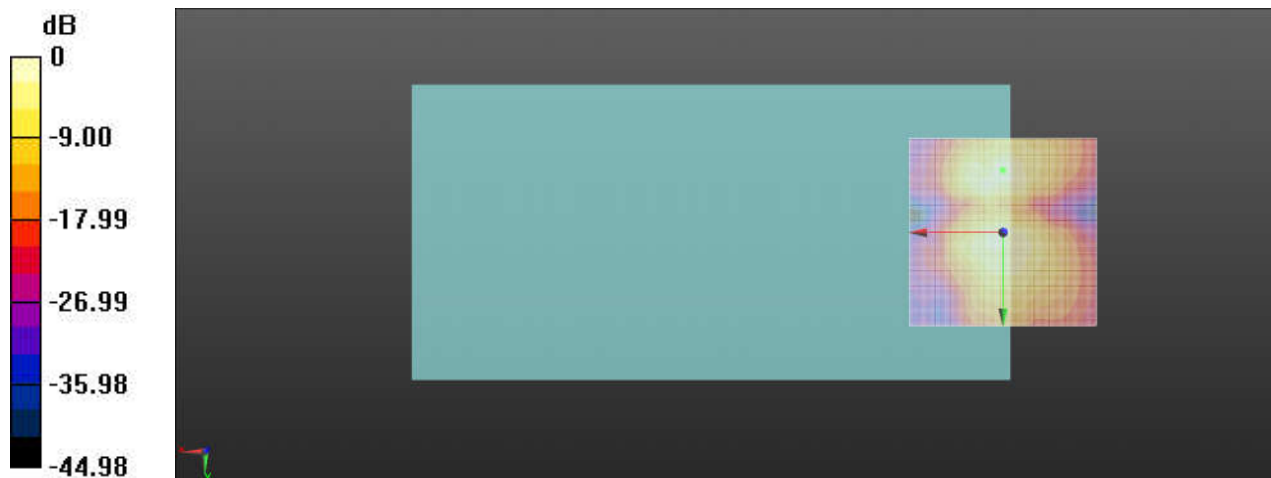
Ch38/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.35 dB

ABM1 comp = -5.79 dBA/m

Location: 0, -16.7, 3.7 mm



0 dB = 185.2 = 45.35 dB

12_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch54_Z

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

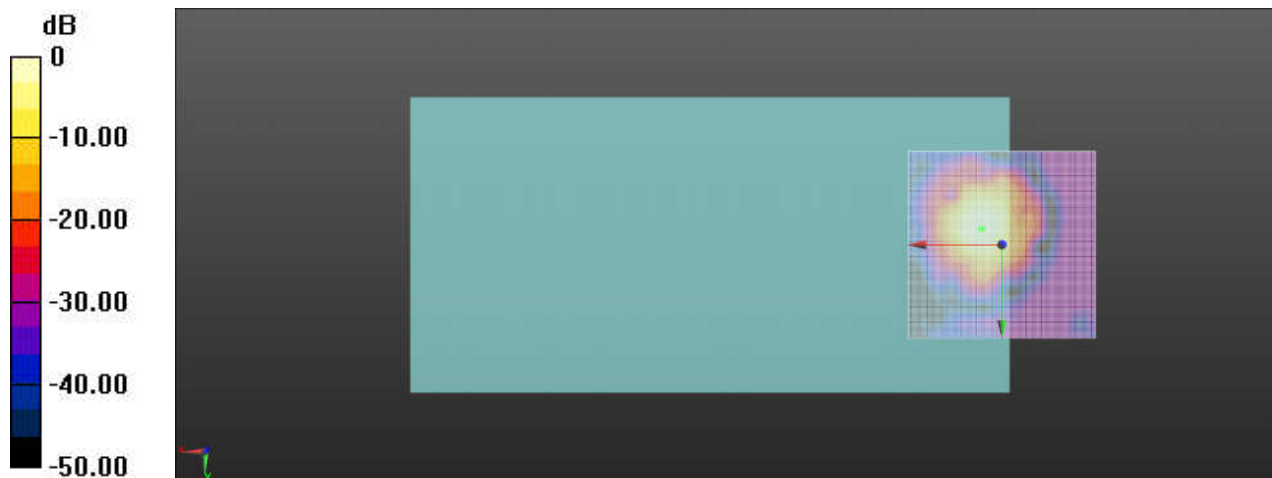
Ch54/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 45.62 dB

ABM1 comp = 0.25 dBA/m

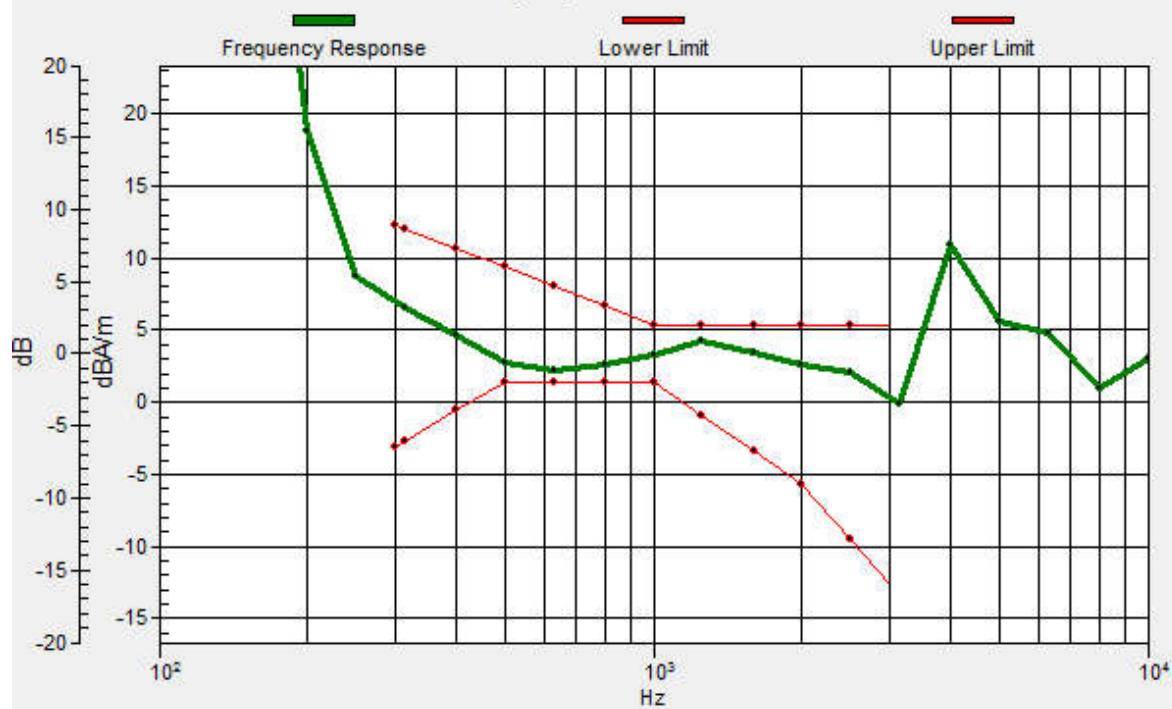
Location: 5.4, -4.2, 3.7 mm



0 dB = 191.0 = 45.62 dB

Ch54/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.2, -4.3, 3.7 mm Diff: 0.79dB



12_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch54_Y

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch54/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 = 40.35 dB

ABM1 comp = -8.08 dBA/m

Location: 4.6, -12.9, 3.7 mm



13_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch110_Z

Communication System: UID 0, WIFI (0); Frequency: 5550 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

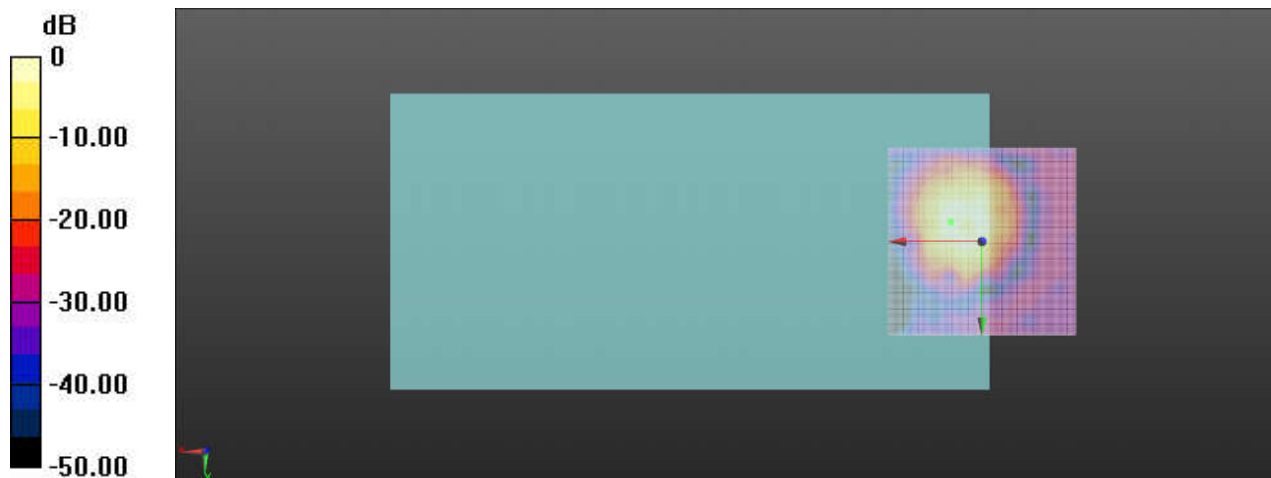
Ch110/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.19 dB

ABM1 comp = 0.24 dBA/m

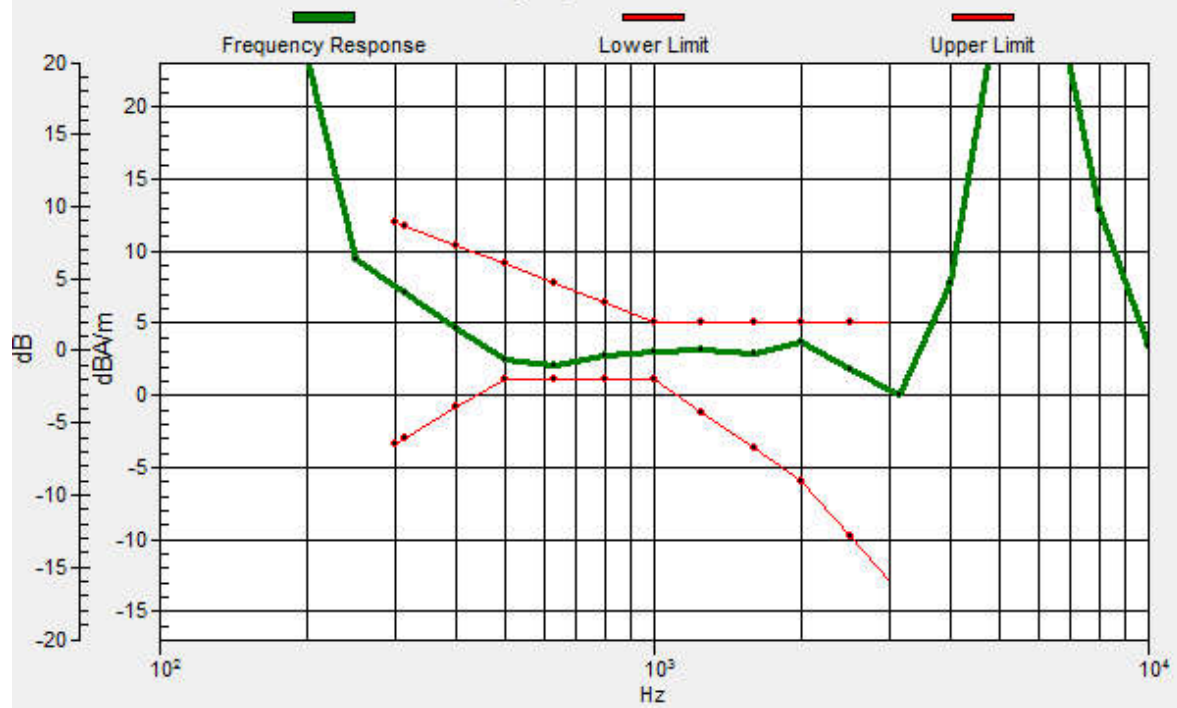
Location: 8.3, -5.4, 3.7 mm



0 dB = 144.4 = 43.19 dB

Ch110/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -5.2, 3.7 mm Diff: 0.99dB



13_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch110_Y

Communication System: UID 0, WIFI (0); Frequency: 5550 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch110/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 = 39.01 dB

ABM1 comp = -9.35 dBA/m

Location: -0.4, 0, 3.7 mm



14_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch151_Z

Communication System: UID 0, WIFI (0); Frequency: 5755 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

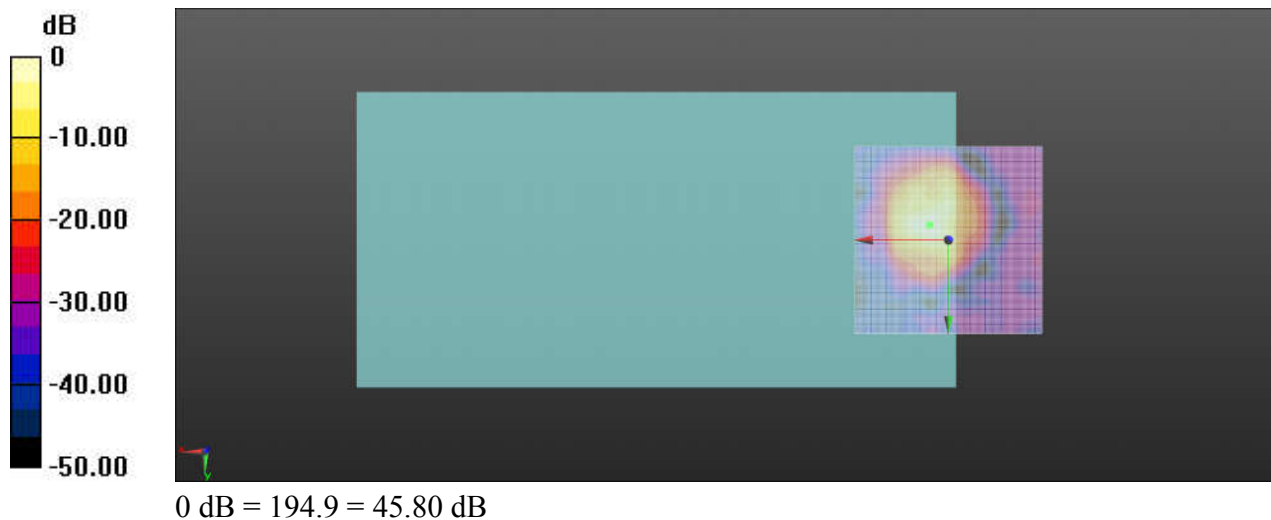
Ch151/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.80 dB

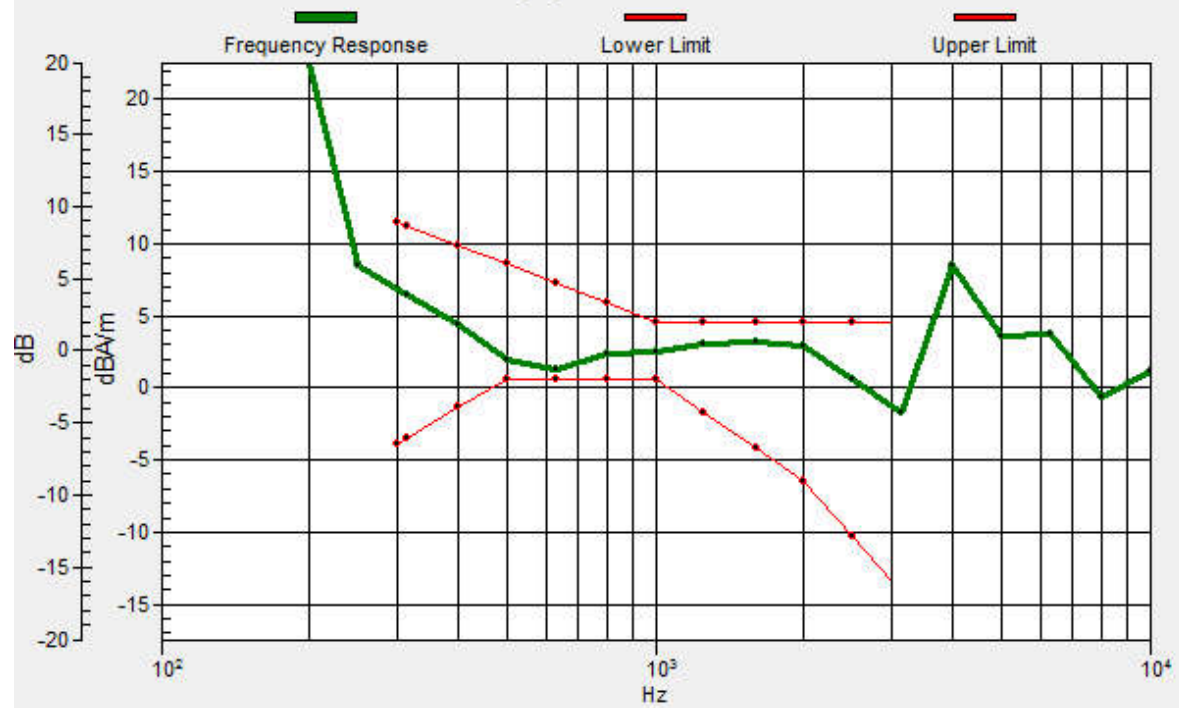
ABM1 comp = 0.03 dBA/m

Location: 5, -4.2, 3.7 mm



Ch151/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.1, -4, 3.7 mm Diff: 0.72dB



14_HAC T-Coil_WLAN 5GHz_802.11ac-VHT40_MCS 8_Ch151_Y

Communication System: UID 0, WIFI (0); Frequency: 5755 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Ch151/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 = 42.34 dB

ABM1 comp = -8.41 dBA/m

Location: 2.1, -16.7, 3.7 mm

