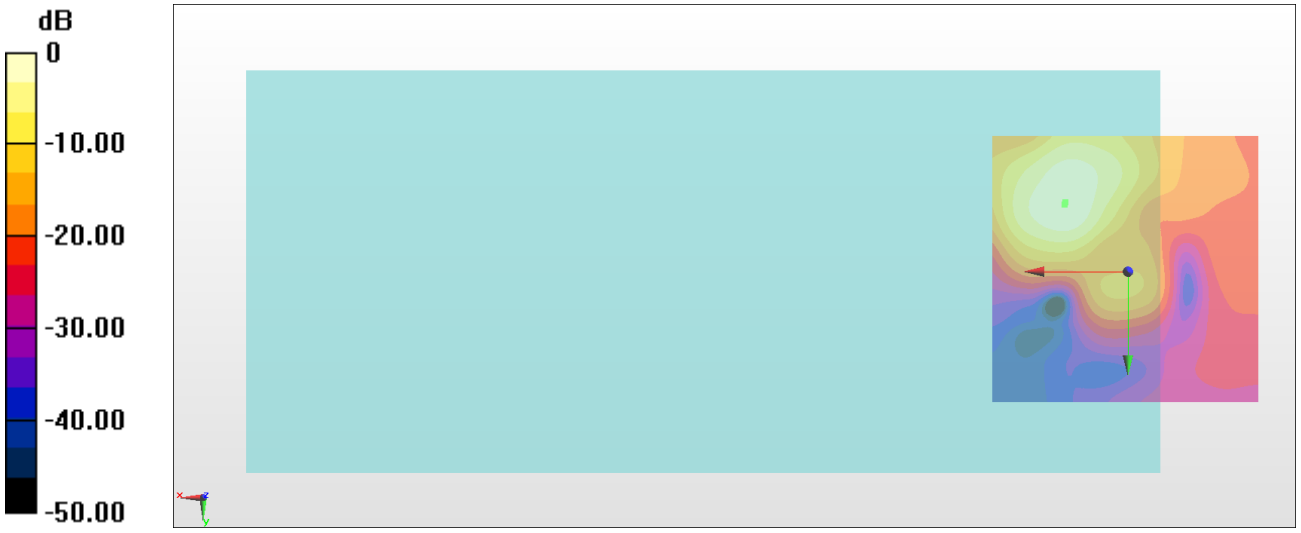
# #01_HAC_T-Coil_GSM850_Voice_Ch189_Axial (Z)

Communication System: GSM850; Frequency: 836.4 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

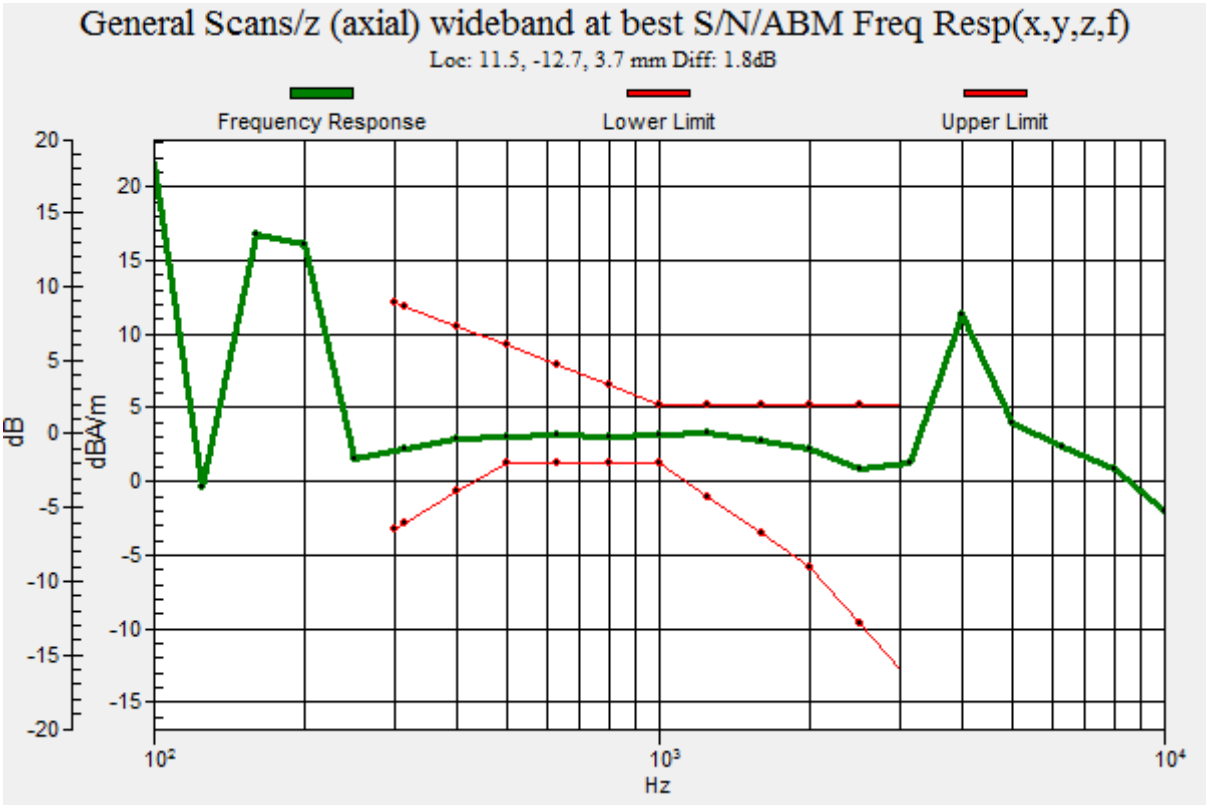
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 35.84 dB
ABM1 comp = 1.41 dBA/m
Location: 11.7, -12.4, 3.7 mm




0 dB = 61.93 = 35.84 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 11.5, -12.7, 3.7 mm Diff: 1.8dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

# #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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 34.72 dB
ABM1 comp = -8.37 dBA/m
Location: 1.9, -6.8, 3.7 mm

0 dB = 54.48 = 34.72 dB

# #02_HAC_T-Coil_GSM1900_Voice_Ch661_Axial (Z)

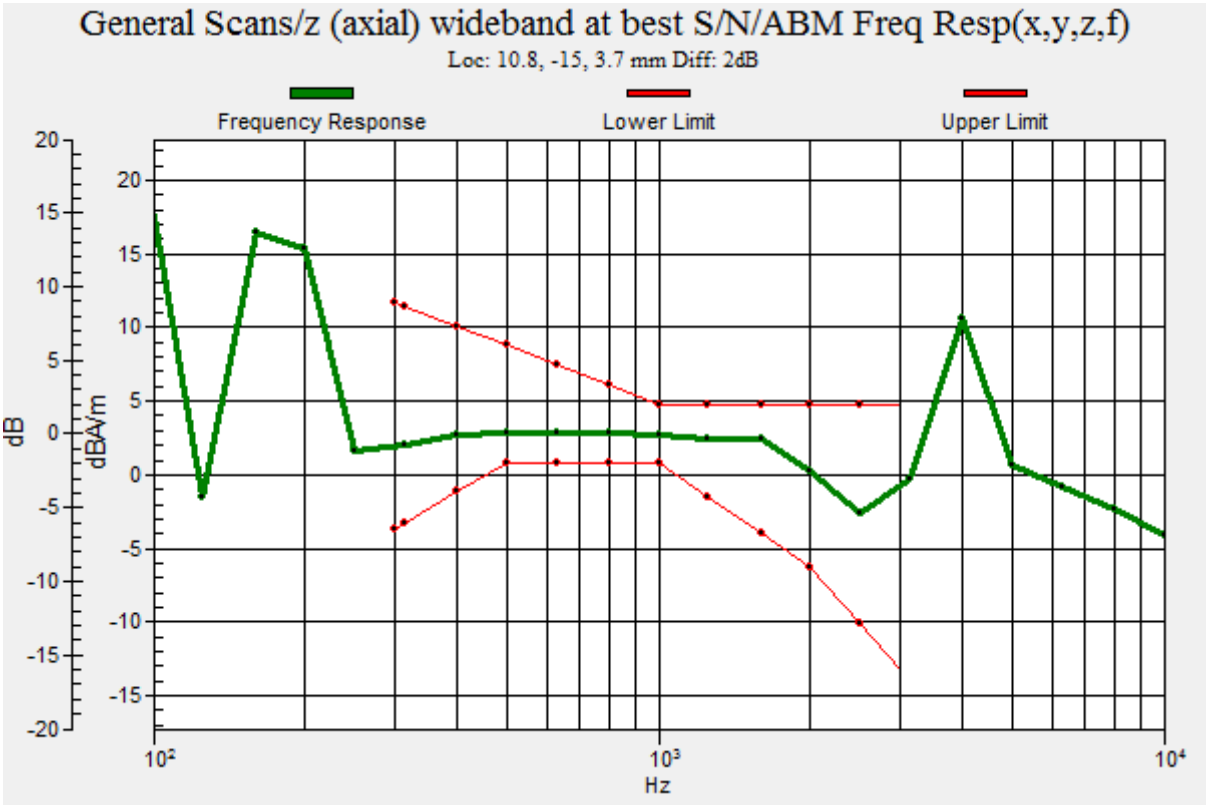
Communication System: PCS ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 39.61 dB
ABM1 comp = 1.68 dBA/m
Location: 11, -15.2, 3.7 mm

0 dB = 95.64 = 39.61 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 10.8, -15, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

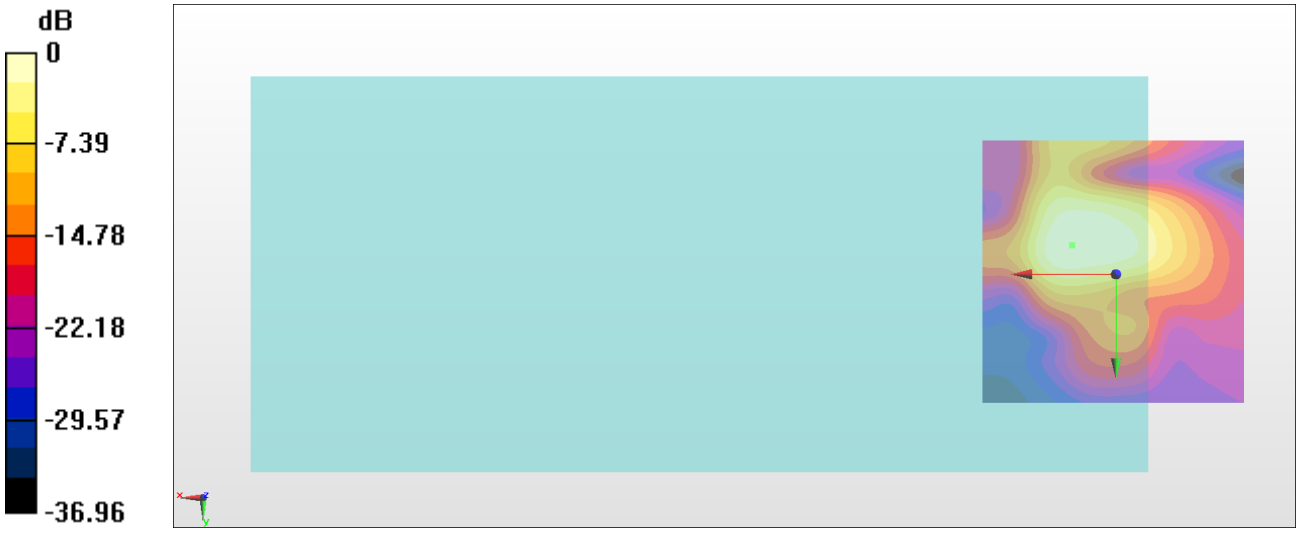
# #02_HAC_T-Coil_GSM1900_Voice_Ch661_Transversal (Y)

Communication System: PCS ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.43 dB
ABM1 comp = -6.26 dBA/m
Location: 8.2, -5.4, 3.7 mm




0 dB = 74.42 = 37.43 dB

# #03_HAC_T-Coil_WCDMA II_Voice_Ch9400_Axial (Z)

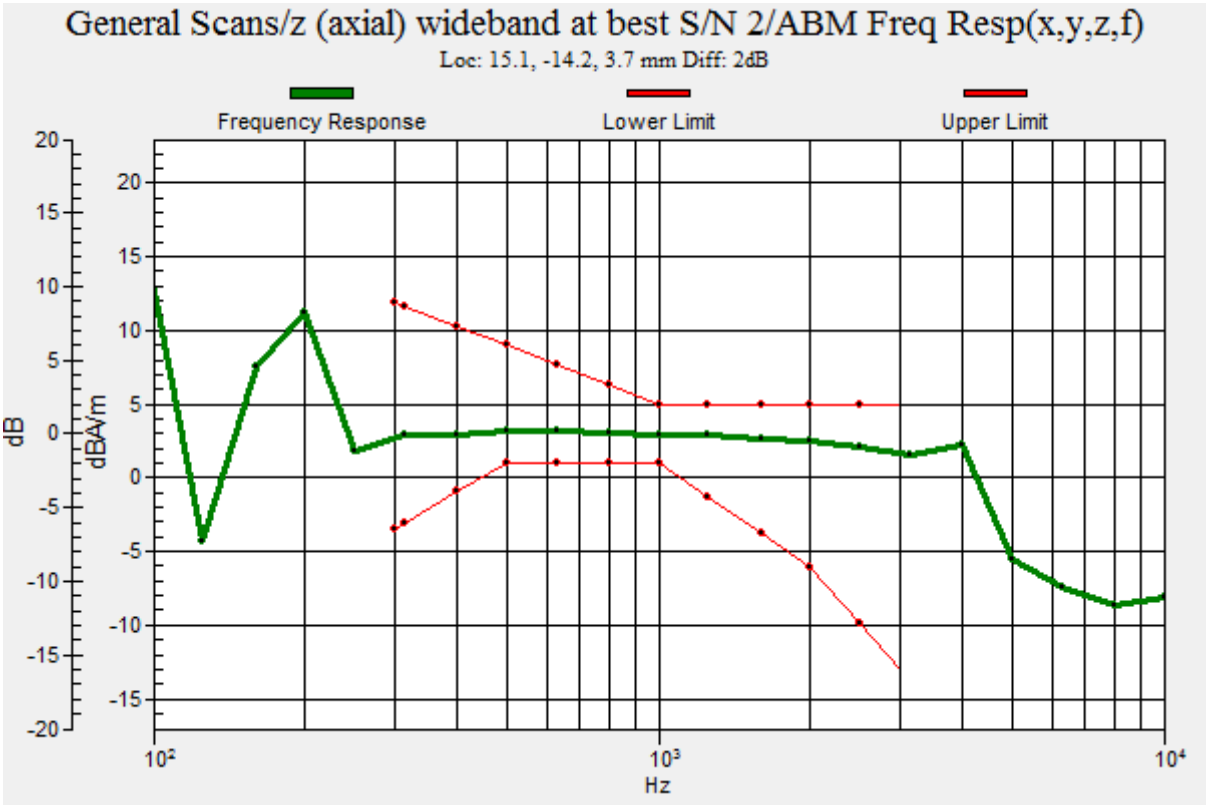
Communication System: WCDMA ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 41.96 dB
ABM1 comp = 0.53 dBA/m
Location: 15.2, -14.5, 3.7 mm

0 dB = 125.4 = 41.96 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 15.1, -14.2, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

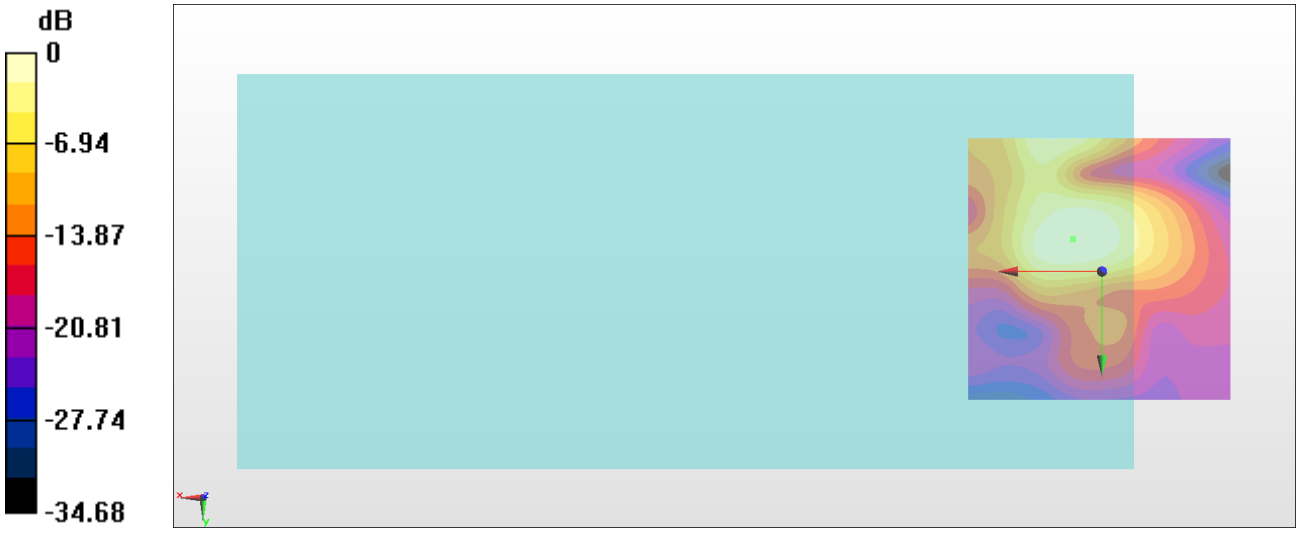
# #03_HAC_T-Coil_WCDMA II_Voice_Ch9400_Transversal (Y)

Communication System: WCDMA ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.18 dB
ABM1 comp = -7.36 dBA/m
Location: 5.4, -6.1, 3.7 mm




0 dB = 72.30 = 37.18 dB

# #04_HAC_T-Coil_WCDMA IV_Voice_Ch1413_Axial (Z)

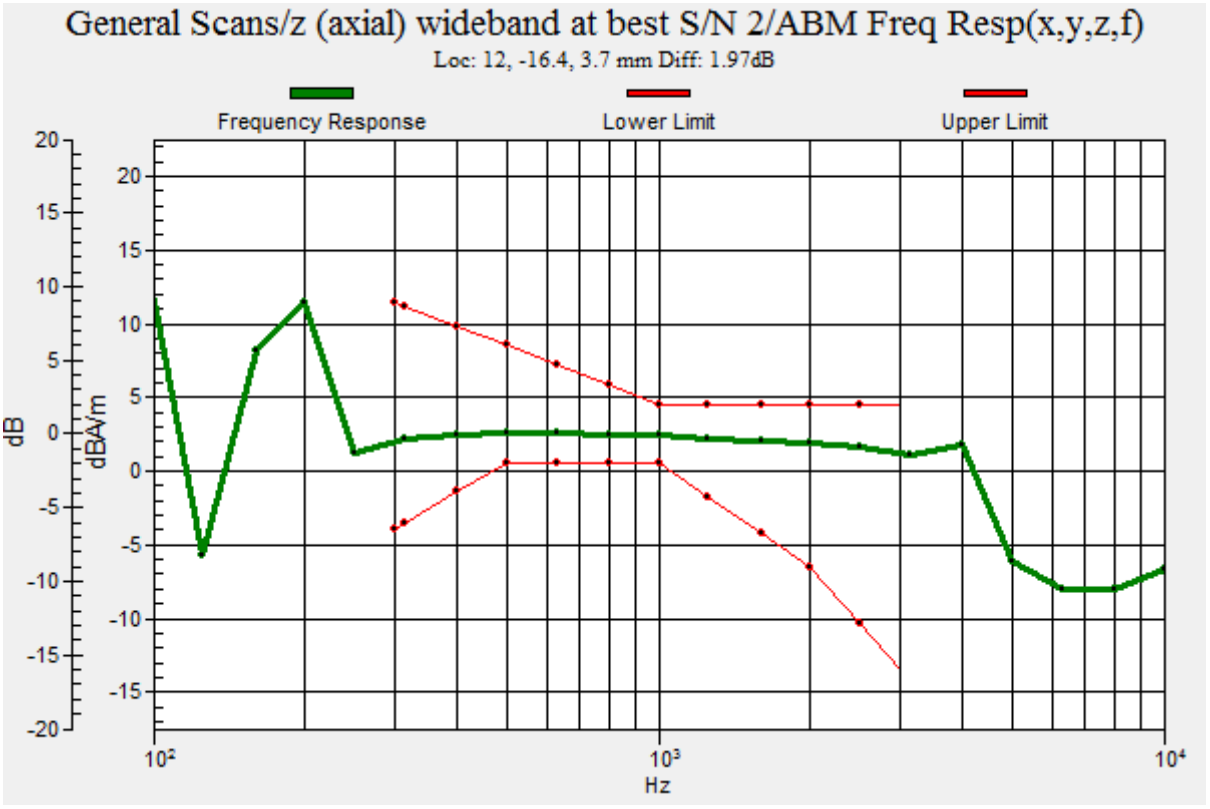
Communication System: WCDMA; Frequency: 1732.6 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 42.34 dB
ABM1 comp = 1.37 dBA/m
Location: 12.4, -16.6, 3.7 mm

0 dB = 131.0 = 42.35 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 12, -16.4, 3.7 mm Diff: 1.97dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

# #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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 39.69 dB
ABM1 comp = -5.80 dBA/m
Location: 7.5, -4.7, 3.7 mm

0 dB = 96.53 = 39.69 dB

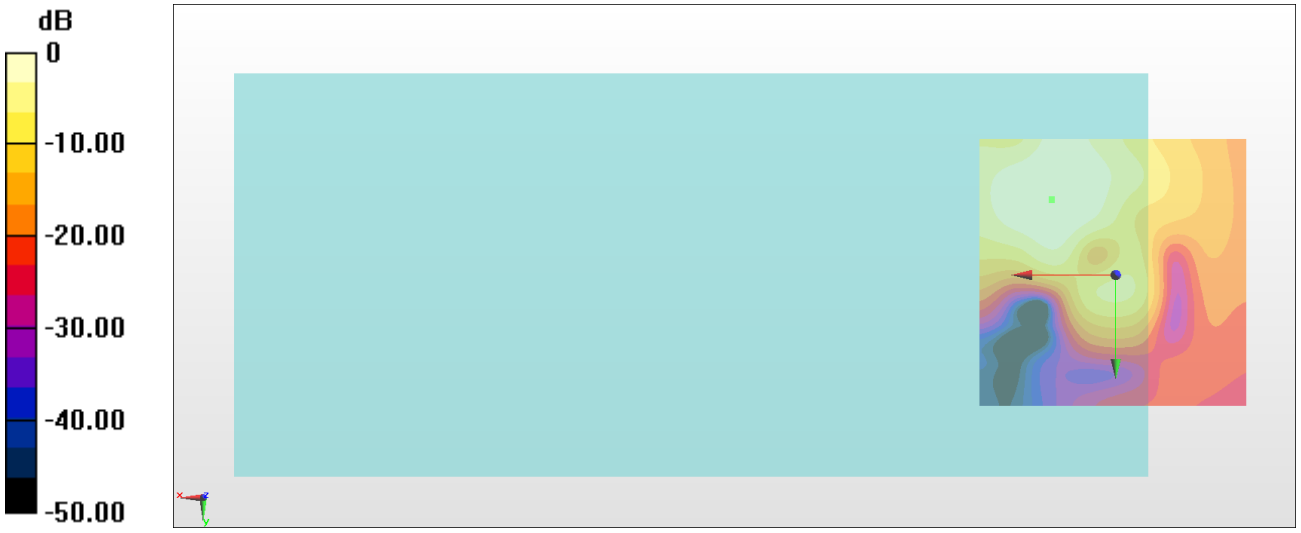
# #05_HAC_T-Coil_WCDMA V_Voice_Ch4182_Axial (Z)

Communication System: WCDMA ; Frequency: 836.4 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

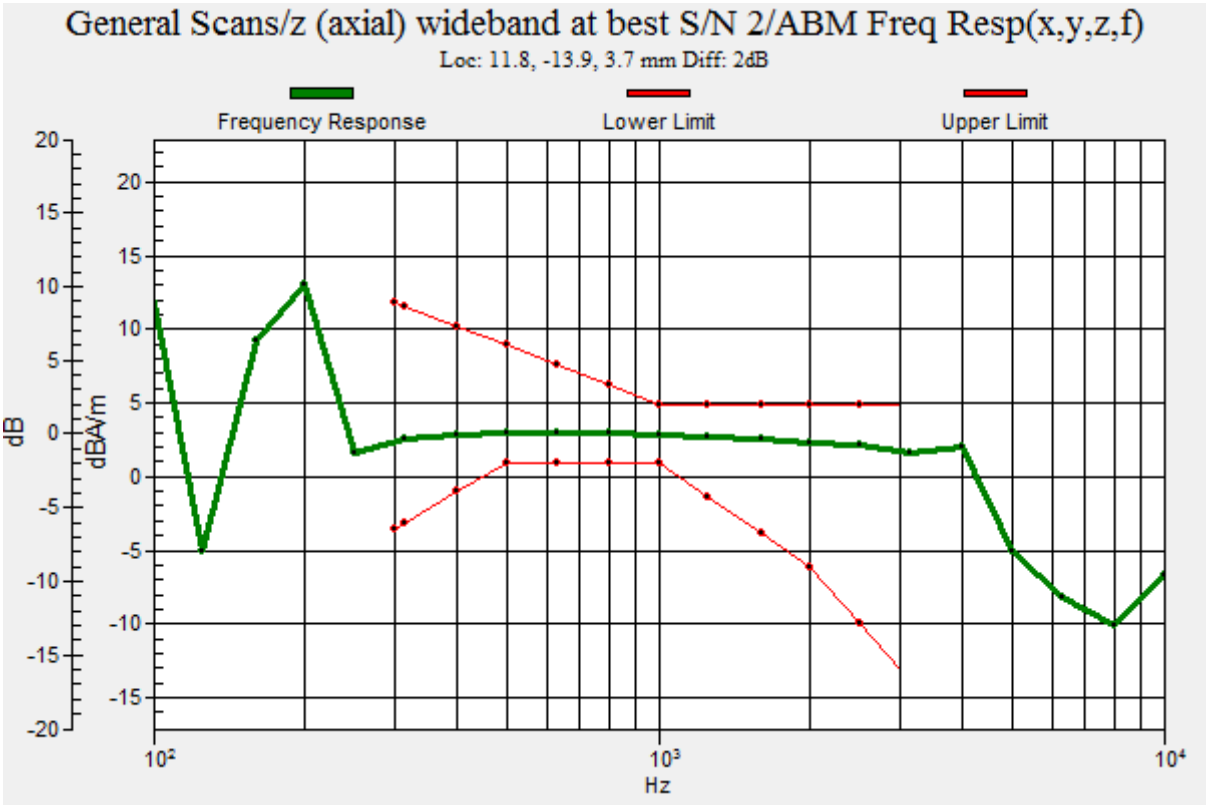
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 42.39 dB
ABM1 comp = 2.12 dBA/m
Location: 11.7, -13.8, 3.7 mm




0 dB = 131.7 = 42.39 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 11.8, -13.9, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

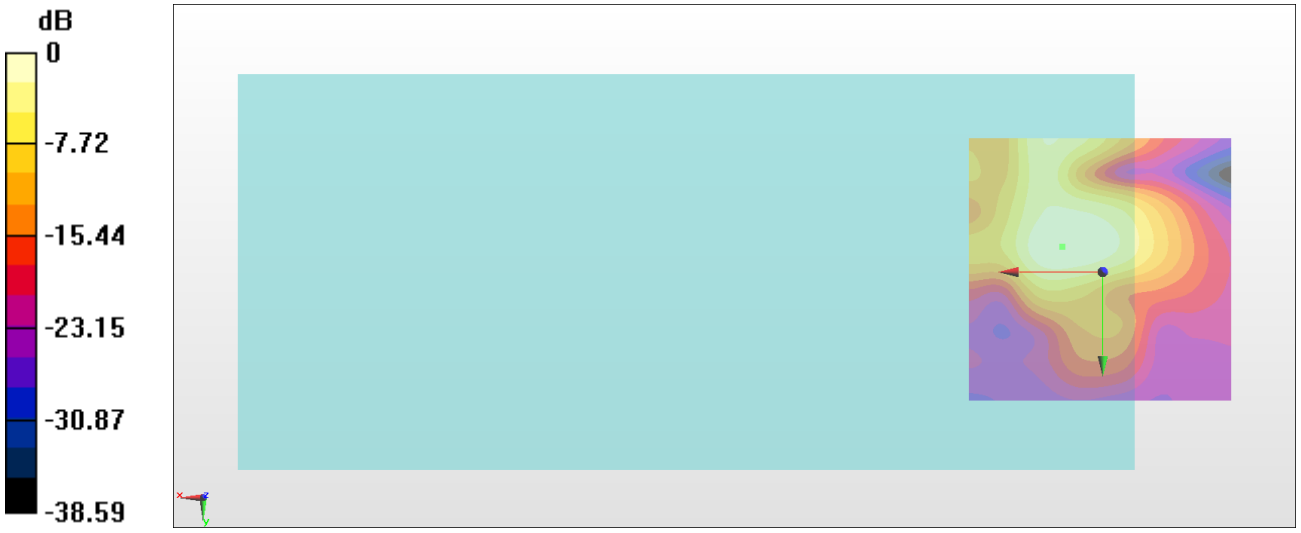
# #05_HAC_T-Coil_WCDMA V_Voice_Ch4182_Transversal (Y)

Communication System: WCDMA ; Frequency: 836.4 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 39.19 dB
ABM1 comp = -5.79 dBA/m
Location: 7.5, -4.7, 3.7 mm




0 dB = 91.08 = 39.19 dB

# #06_HAC_T-Coil_LTE Band 5_10M_QPSK_1_0_Ch20525_Axial (Z)

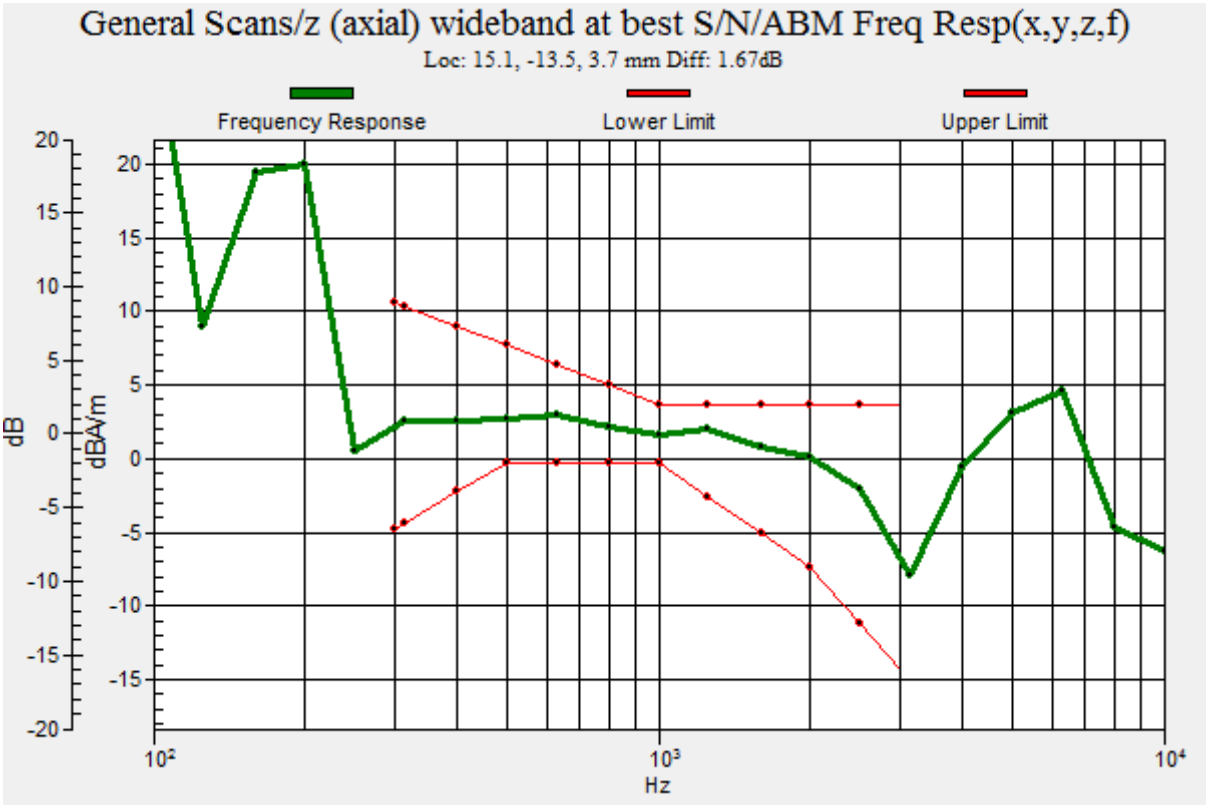
Communication System: LTE; Frequency: 836.5 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 40.27 dB
ABM1 comp = 0.70 dBA/m
Location: 15, -13.3, 3.7 mm

0 dB = 103.2 = 40.27 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 15.1, -13.5, 3.7 mm Diff: 1.67dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

# #06_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.41 dB
ABM1 comp = -7.66 dBA/m
Location: 7.5, -6.7, 3.7 mm

0 dB = 74.25 = 37.41 dB

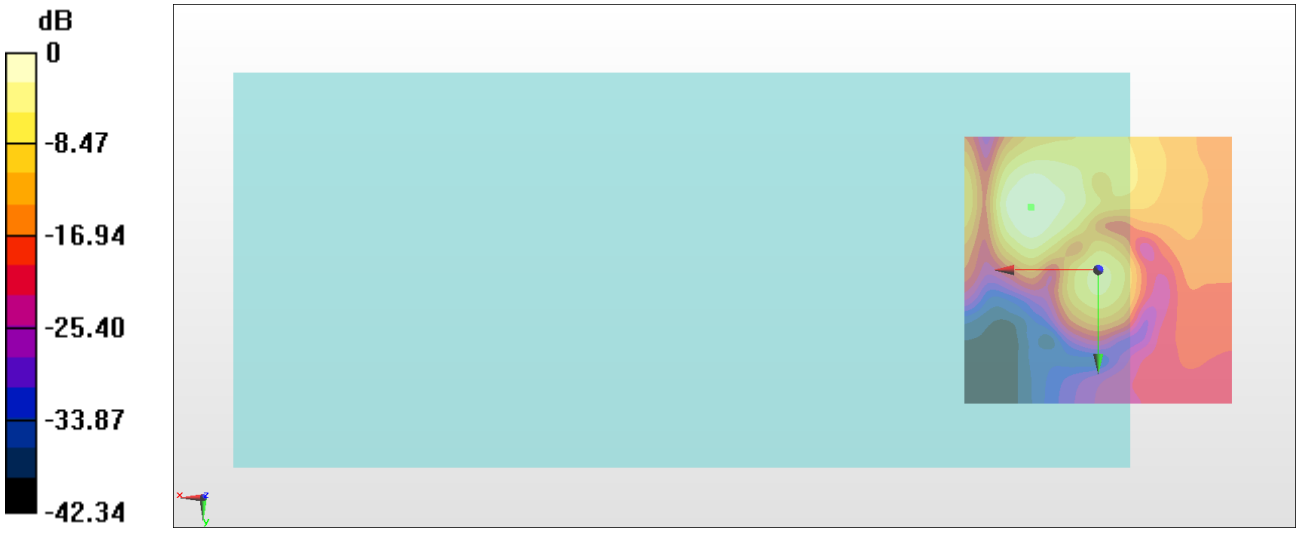
# #07_HAC_T-Coil_LTE Band 7_20M_QPSK_1_0_Ch21100_Axial (Z)

Communication System: LTE; Frequency: 2535 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

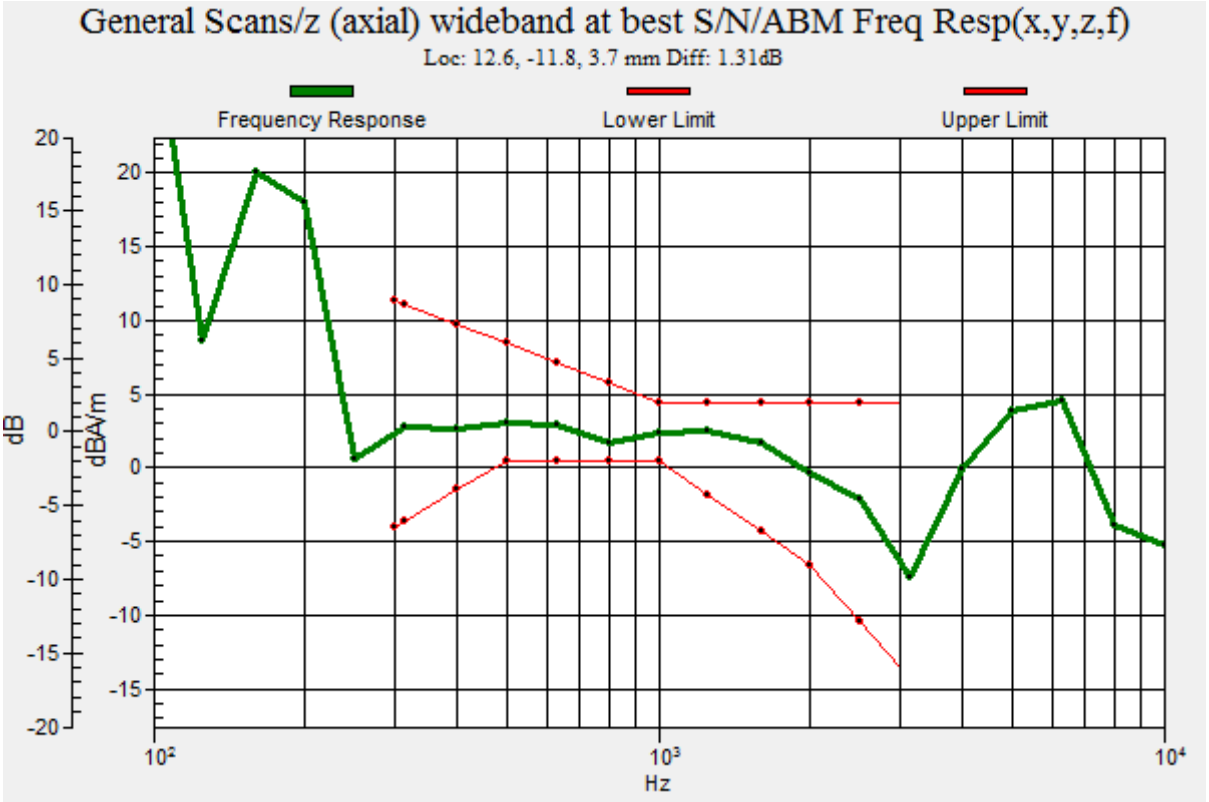
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 36.63 dB
ABM1 comp = 0.97 dBA/m
Location: 12.5, -11.7, 3.7 mm




0 dB = 67.81 = 36.63 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 12.6, -11.8, 3.7 mm Diff: 1.31dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

# #07_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 36.88 dB
ABM1 comp = -8.17 dBA/m
Location: 7.9, -7.9, 3.7 mm

0 dB = 69.80 = 36.88 dB

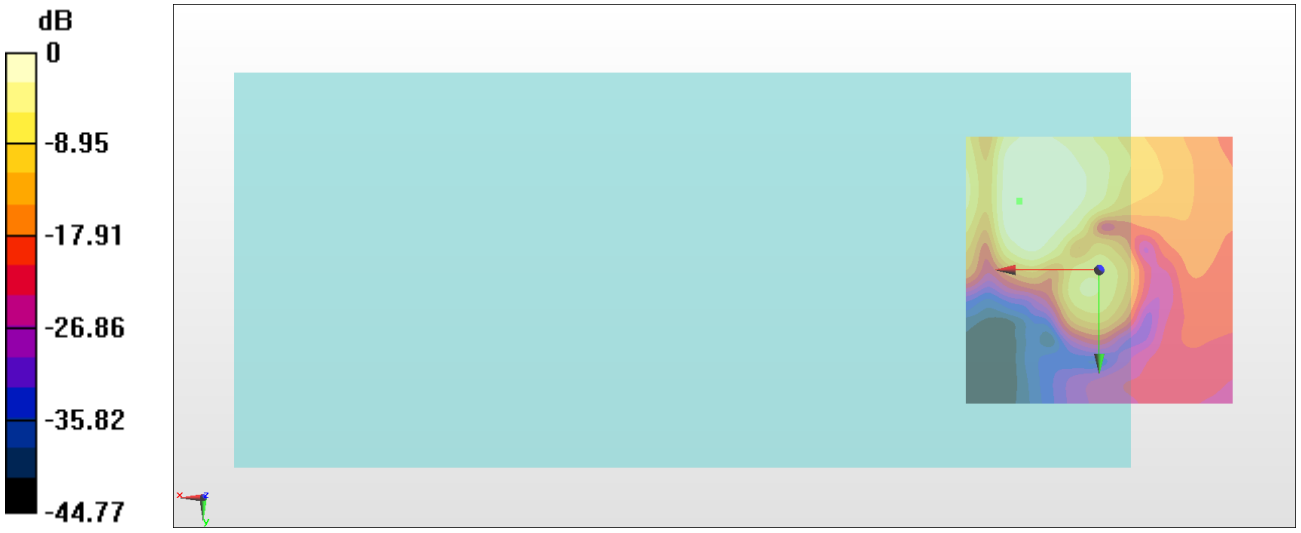
# #08_HAC_T-Coil_LTE Band 12_10M_QPSK_1_0_Ch23095_Axial (Z)

Communication System: LTE; Frequency: 707.5 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

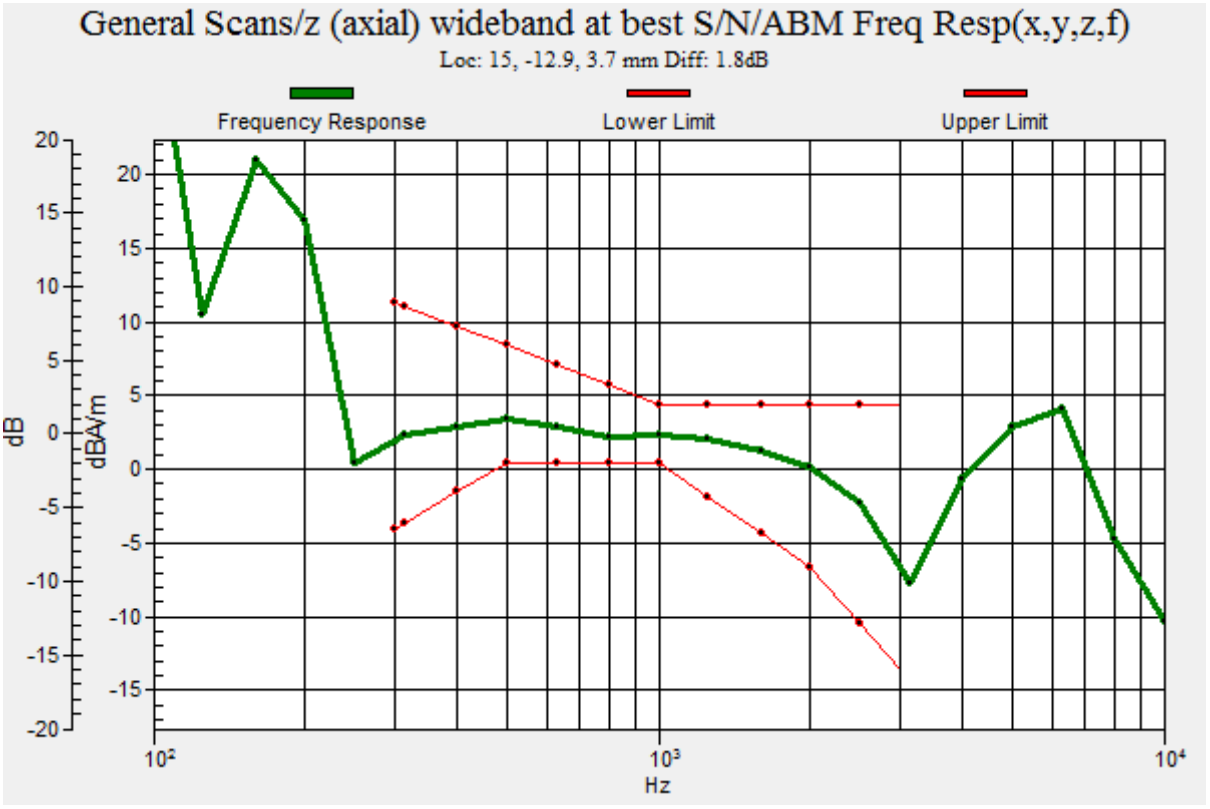
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 40.43 dB
ABM1 comp = 0.70 dBA/m
Location: 15, -12.9, 3.7 mm




0 dB = 105.1 = 40.43 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 15, -12.9, 3.7 mm Diff: 1.8dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

# #08_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.32 dB
ABM1 comp = -8.26 dBA/m
Location: 4.6, -6.3, 3.7 mm

0 dB = 73.47 = 37.32 dB

# #09_HAC_T-Coil_LTE Band 13_10M_QPSK_1_0_Ch23230_Axial (Z)

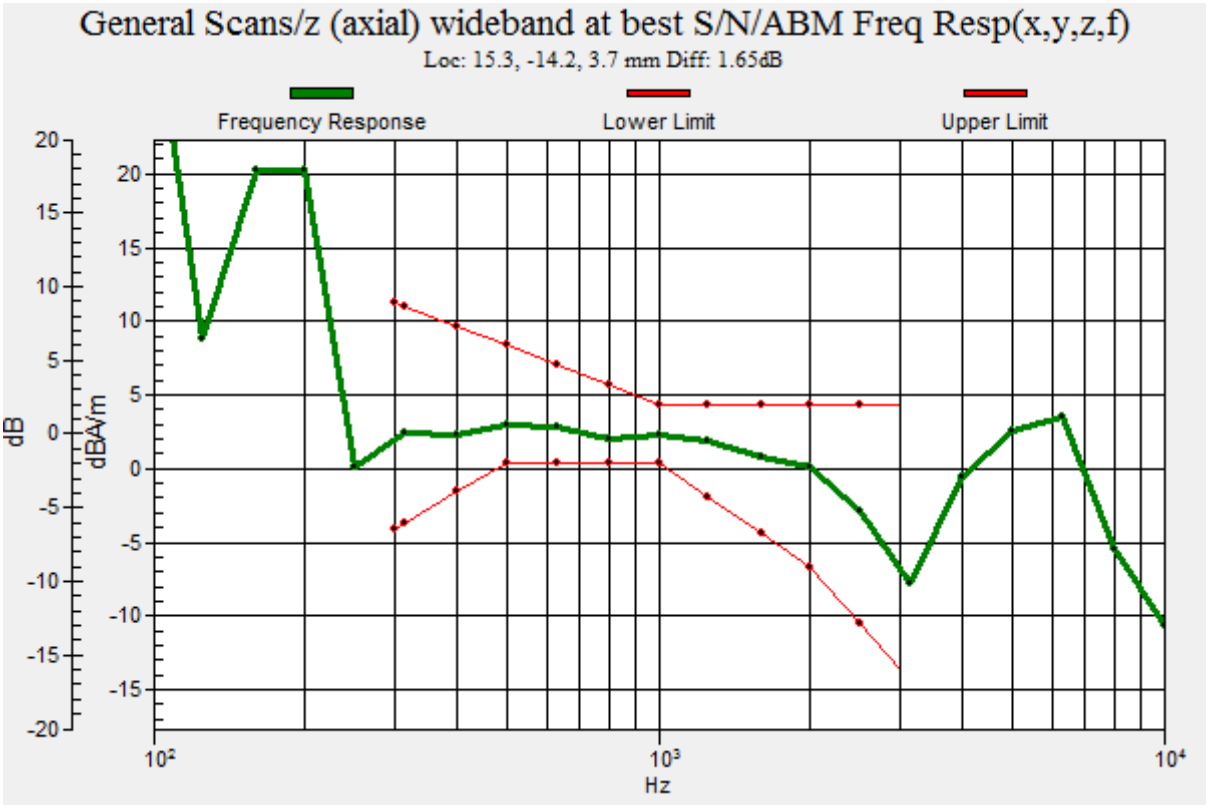
Communication System: LTE; Frequency: 782 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 40.57 dB
ABM1 comp = 0.22 dBA/m
Location: 15.4, -14.2, 3.7 mm

0 dB = 106.8 = 40.57 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 15.3, -14.2, 3.7 mm Diff: 1.65dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

# #09_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.31 dB
ABM1 comp = -8.47 dBA/m
Location: 4.6, -6.7, 3.7 mm

0 dB = 73.39 = 37.31 dB

# #10_HAC_T-Coil_LTE Band 25_20M_QPSK_1_0_Ch26340_Axial (Z)

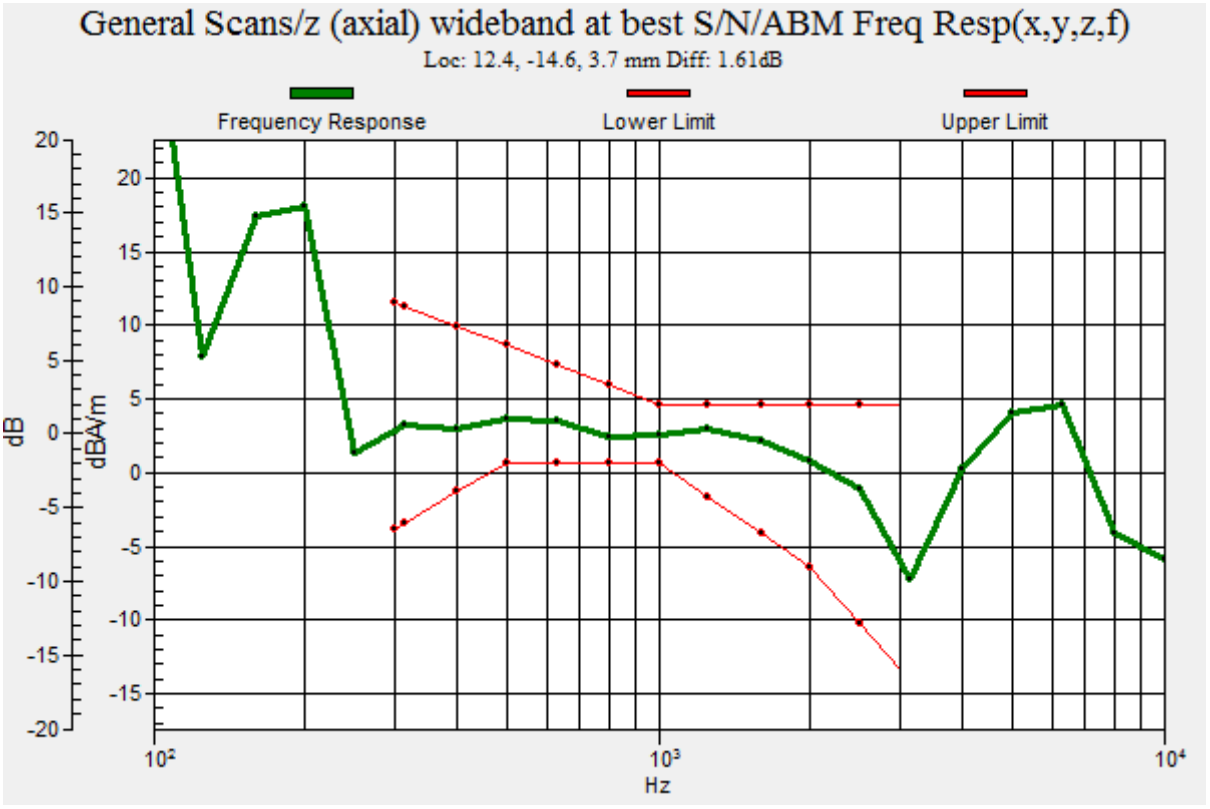
Communication System: LTE ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 38.73 dB
ABM1 comp = 0.10 dBA/m
Location: 12.4, -14.5, 3.7 mm

0 dB = 86.39 = 38.73 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 12.4, -14.6, 3.7 mm Diff: 1.61dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

# #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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 34.82 dB
ABM1 comp = -10.23 dBA/m
Location: 0.5, -6.1, 3.7 mm

0 dB = 55.06 = 34.82 dB

# #11_HAC_T-Coil_LTE Band 66_20M_QPSK_1_0_Ch132322_Axial (Z)

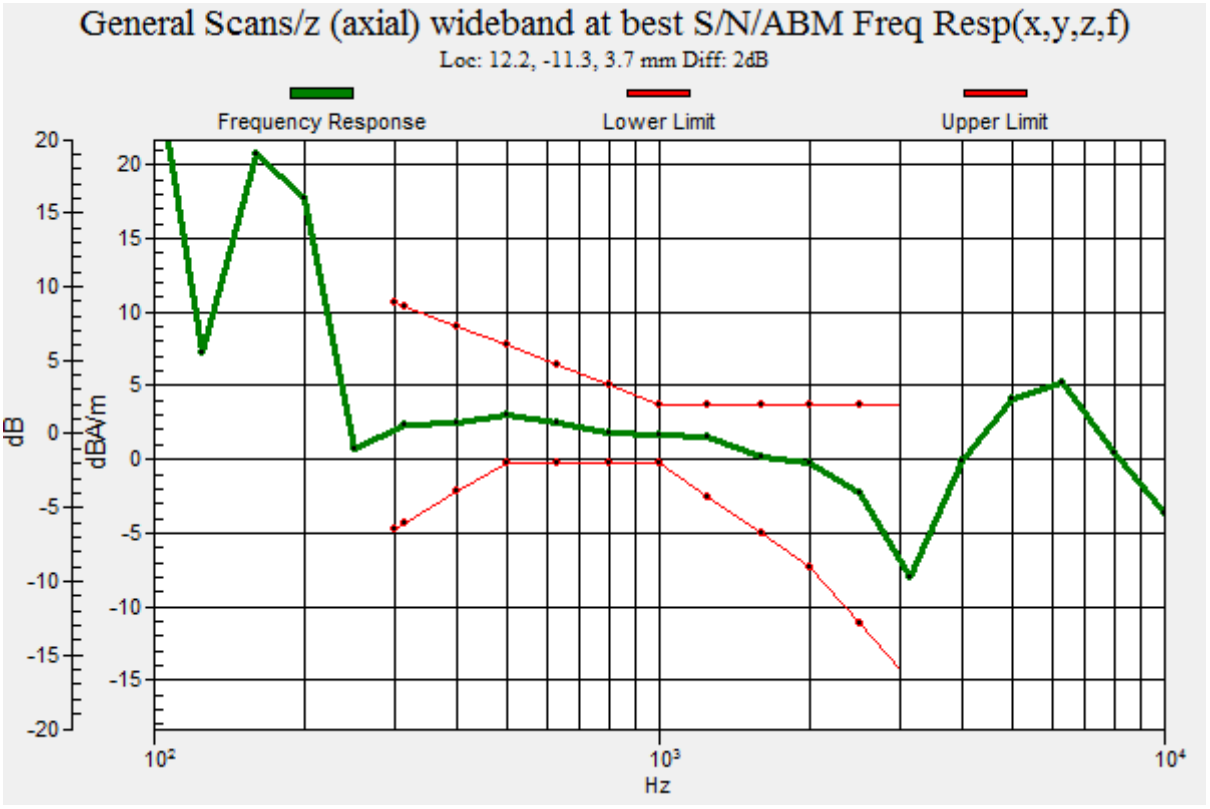
Communication System: LTE ; Frequency: 1745 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 36.27 dB
ABM1 comp = 0.50 dBA/m
Location: 12.1, -11.3, 3.7 mm

0 dB = 65.10 = 36.27 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 12.2, -11.3, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$
Hz

# #11_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 35.37 dB
ABM1 comp = -8.54 dBA/m
Location: 3.3, -5.8, 3.7 mm

0 dB = 58.72 = 35.38 dB

# #12_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Axial (Z)

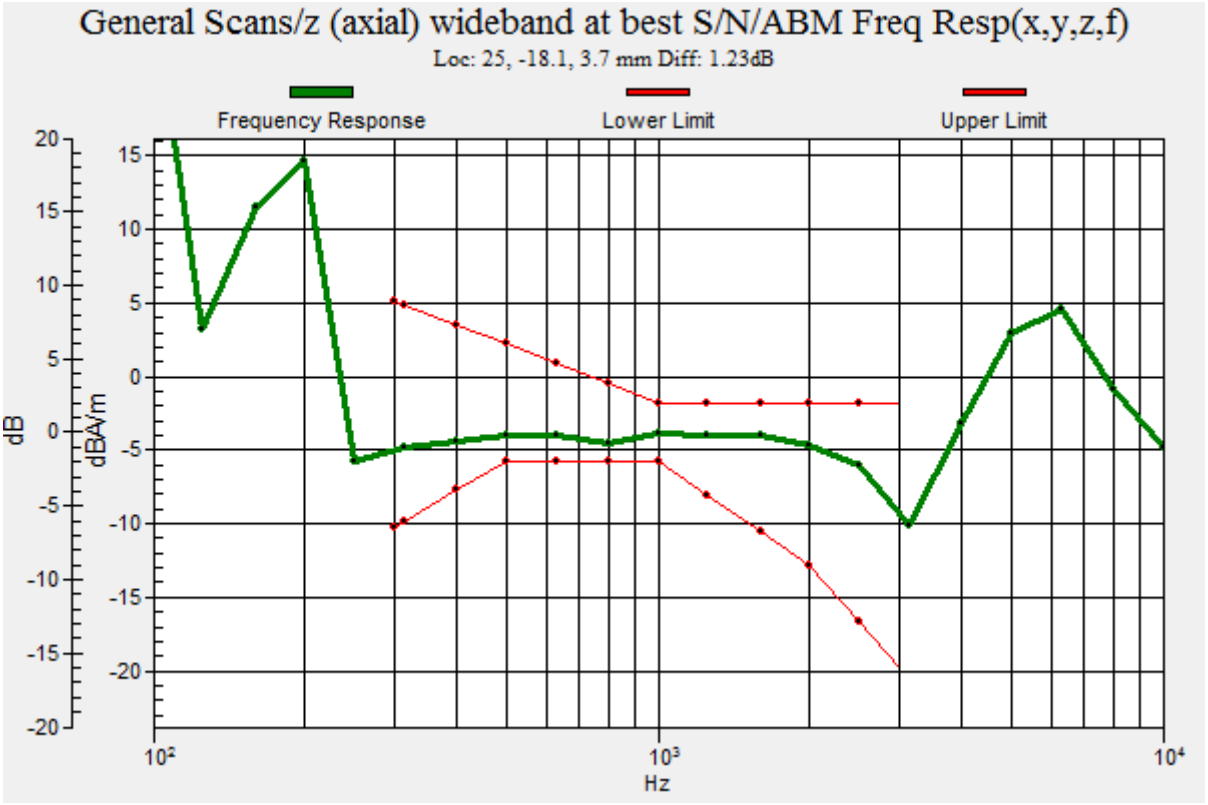
Communication System: 802.11b; Frequency: 2437 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 32.79 dB
ABM1 comp = -5.01 dBA/m
Location: 25, -18, 3.7 mm

0 dB = 43.63 = 32.79 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 25, -18.1, 3.7 mm Diff: 1.23dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

# #12_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Transversal (Y)

Communication System: 802.11b; Frequency: 2437 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 25.78 dB
ABM1 comp = -15.77 dBA/m
Location: -2.3, -6.1, 3.7 mm

0 dB = 19.46 = 25.78 dB

# #13_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Axial (Z)

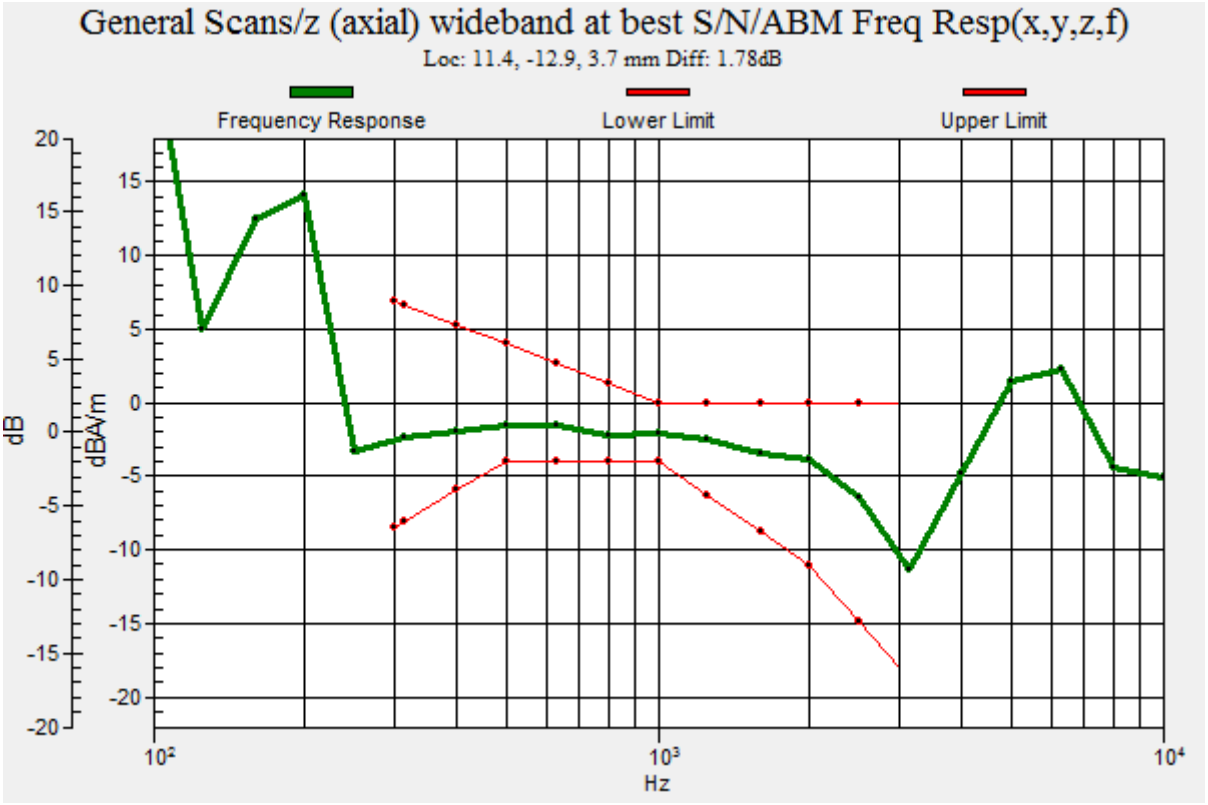
Communication System: 802.11a; Frequency: 5200 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 35.54 dB
ABM1 comp = -3.87 dBA/m
Location: 11.7, -13.1, 3.7 mm

0 dB = 59.82 = 35.54 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 11.4, -12.9, 3.7 mm Diff: 1.78dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

# #13_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch40_Transversal (Y)

Communication System: 802.11a; Frequency: 5200 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 32.40 dB
ABM1 comp = -12.87 dBA/m
Location: 3.3, -5.4, 3.7 mm

0 dB = 41.68 = 32.40 dB

# #14_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Axial (Z)

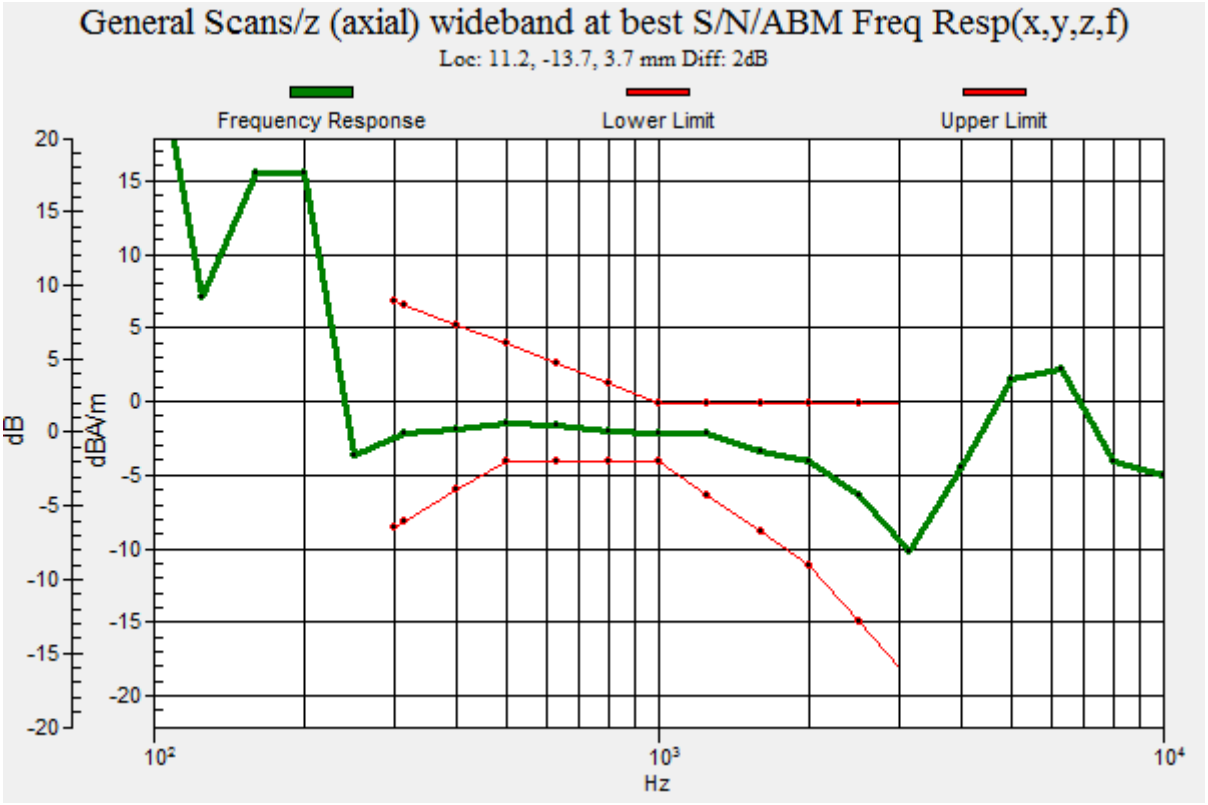
Communication System: 802.11a; Frequency: 5300 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 35.27 dB
ABM1 comp = -4.01 dBA/m
Location: 11, -13.8, 3.7 mm

0 dB = 58.03 = 35.27 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 11.2, -13.7, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

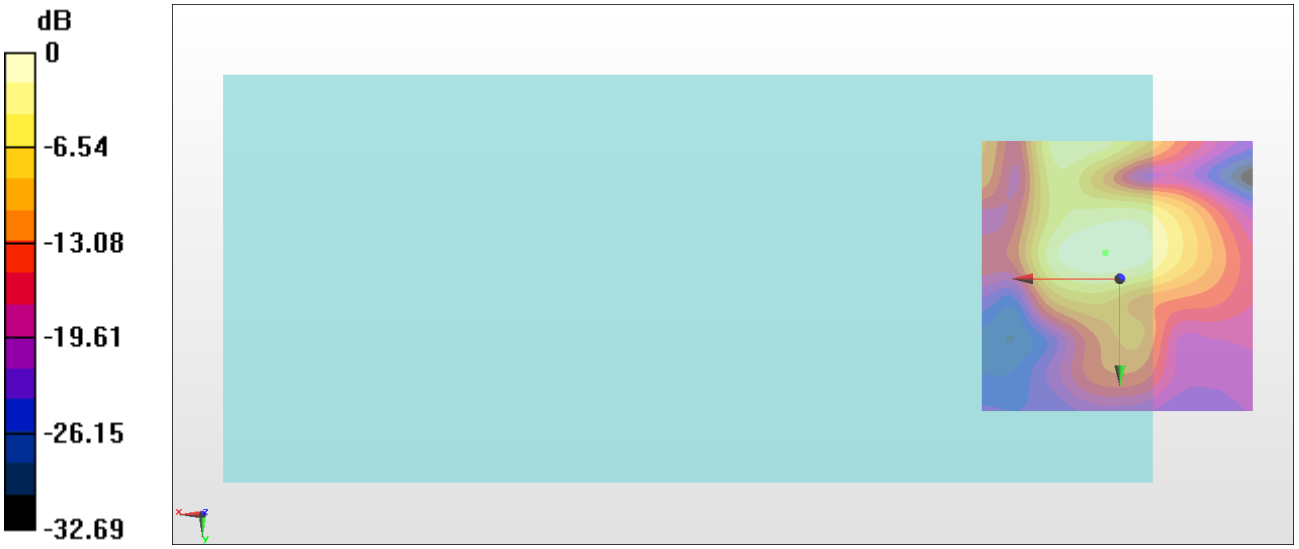
# #14_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Transversal (Y)

Communication System: 802.11a; Frequency: 5300 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 32.29 dB
ABM1 comp = -13.18 dBA/m
Location: 2.6, -4.7, 3.7 mm




0 dB = 41.14 = 32.29 dB

# #15_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Axial (Z)

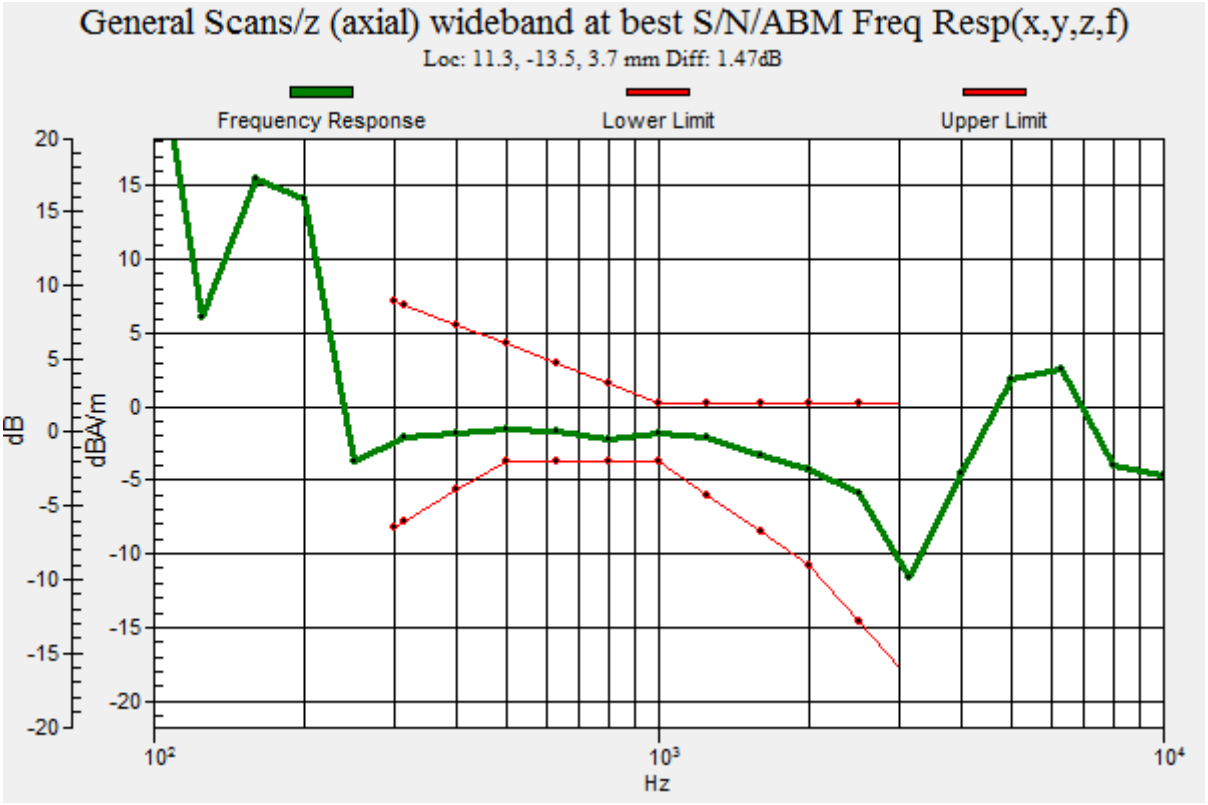
Communication System: 802.11a; Frequency: 5620 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 35.51 dB
ABM1 comp = -3.80 dBA/m
Location: 11, -13.8, 3.7 mm

0 dB = 59.63 = 35.51 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 11.3, -13.5, 3.7 mm Diff: 1.47dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

# #15_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch124_Transversal (Y)

Communication System: 802.11a; Frequency: 5620 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 32.45 dB
ABM1 comp = -12.96 dBA/m
Location: 3.3, -5.4, 3.7 mm

0 dB = 41.93 = 32.45 dB

# #16_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Axial (Z)

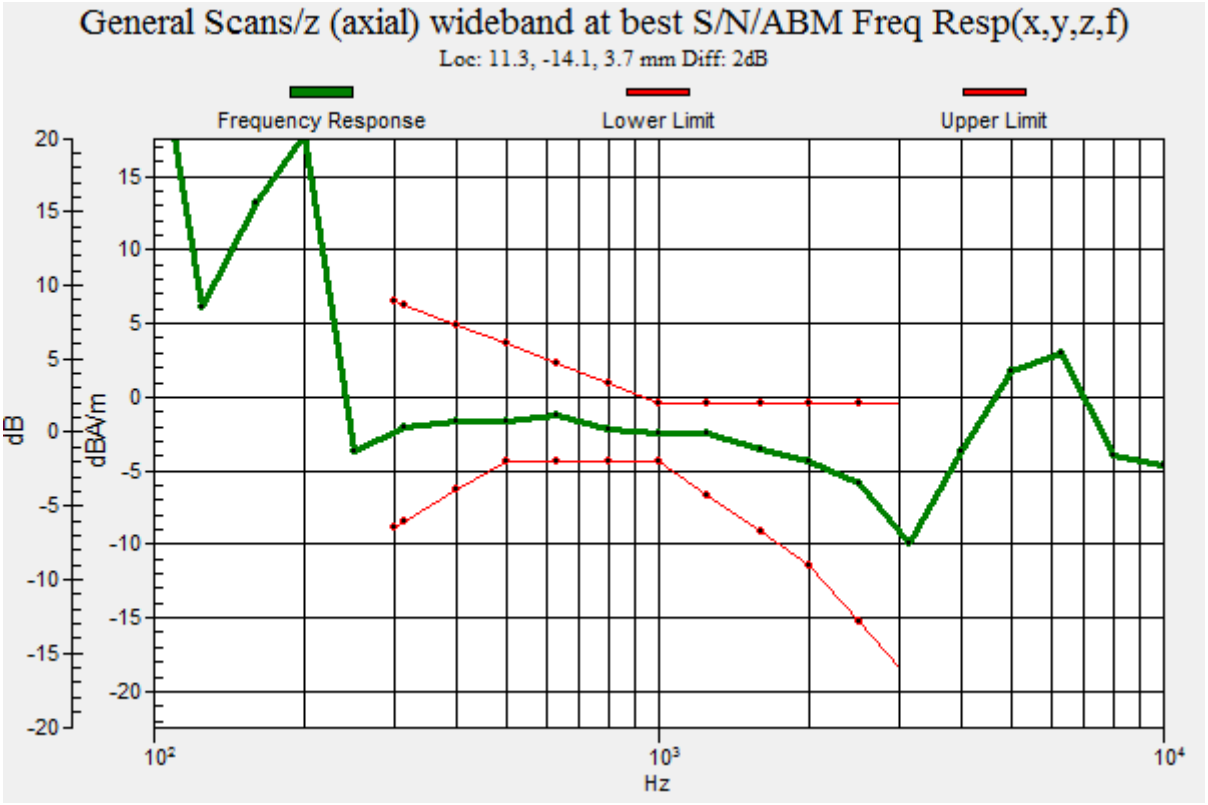
Communication System: 802.11a; Frequency: 5785 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 35.66 dB
ABM1 comp = -3.85 dBA/m
Location: 11.7, -13.8, 3.7 mm

0 dB = 60.70 = 35.66 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 11.3, -14.1, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

# #16_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch157_Transversal (Y)

Communication System: 802.11a; Frequency: 5785 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- 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 = 32.46 dB
ABM1 comp = -13.83 dBA/m
Location: 1.2, -5.4, 3.7 mm

0 dB = 41.97 = 32.46 dB

# #17_HAC_T-Coil_GSM850_EDGE 2 Tx slots_Ch189_Axial (Z)

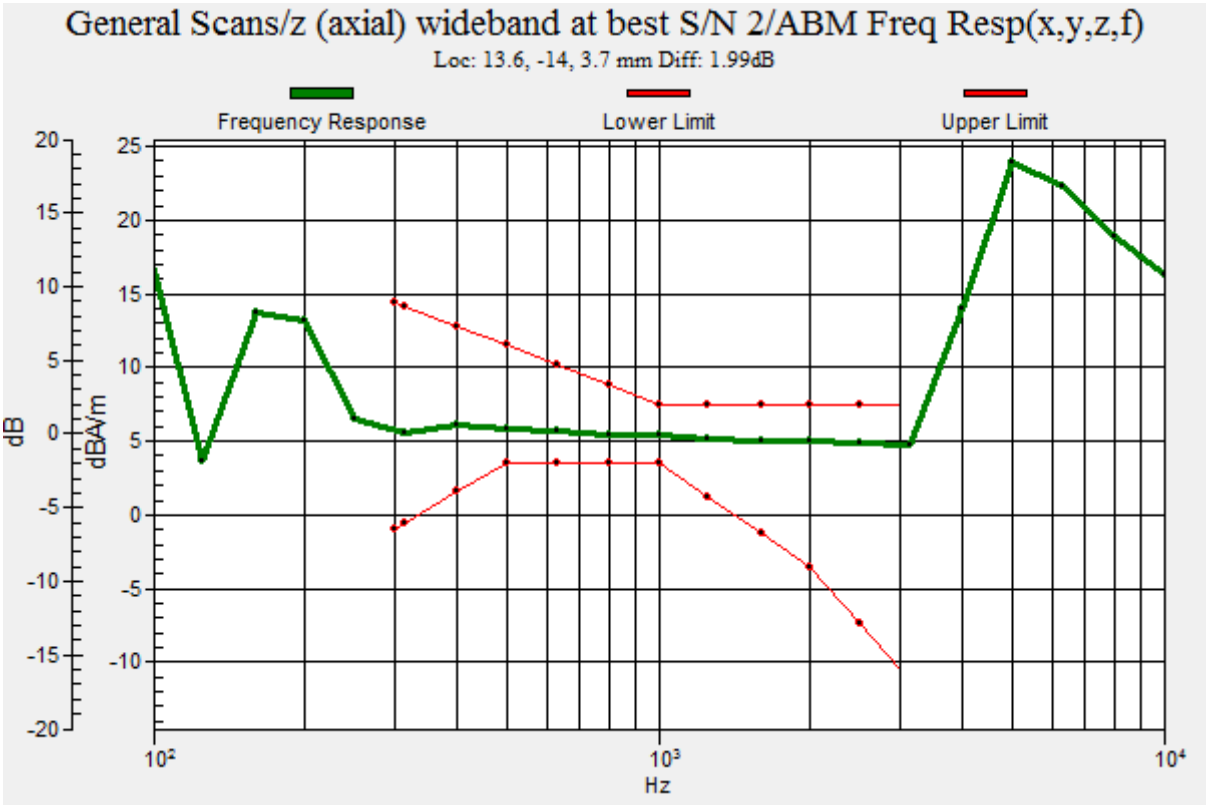
Communication System: GSM850 ; Frequency: 836.4 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 40.61 dB
ABM1 comp = 4.68 dBA/m
Location: 13.8, -13.8, 3.7 mm

0 dB = 107.2 = 40.61 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 13.6, -14, 3.7 mm Diff: 1.99dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
$10^2$
$10^3$
$10^4$

# #17_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.64 dB
ABM1 comp = -5.13 dBA/m
Location: 1.7, -6.3, 3.7 mm

0 dB = 76.18 = 37.64 dB

# #18_HAC_T-Coil_GSM1900_EDGE 2 Tx slots_Ch661_Axial (Z)

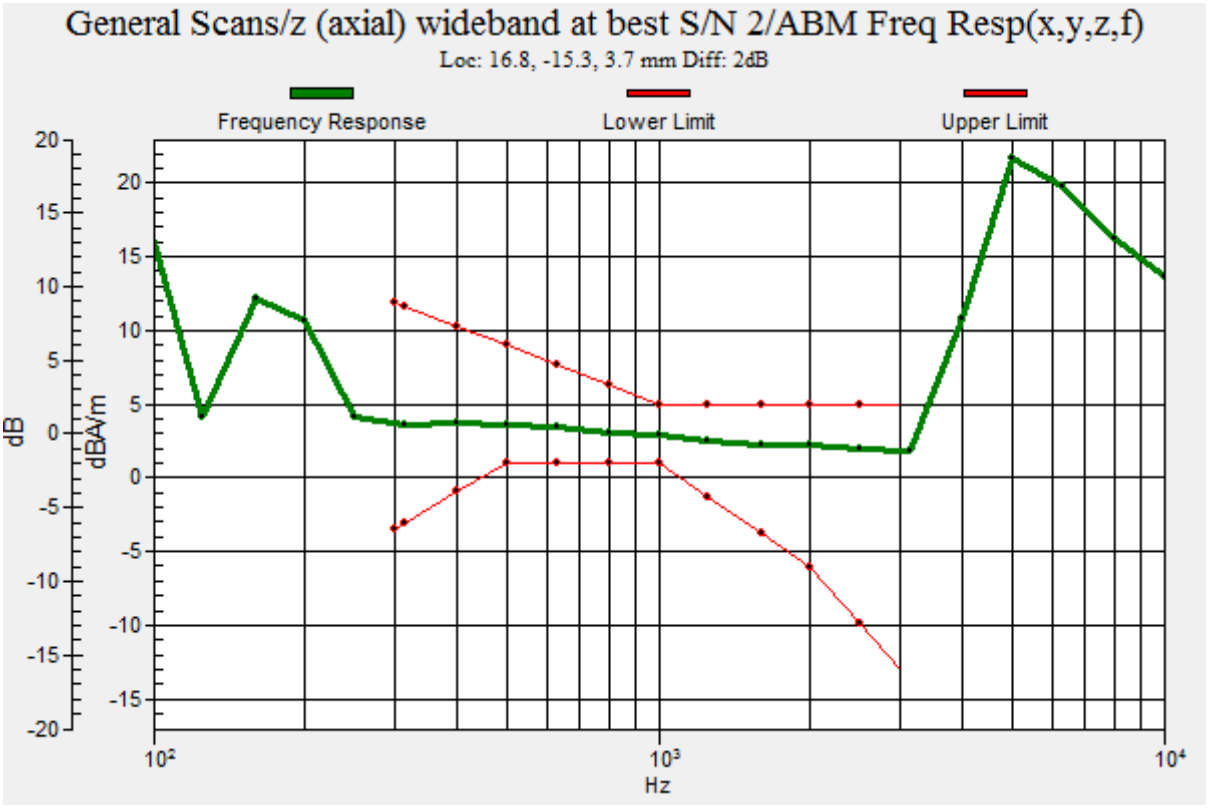
Communication System: PCS; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 39.01 dB
ABM1 comp = 1.47 dBA/m
Location: 16.6, -15.2, 3.7 mm

0 dB = 89.23 = 39.01 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 16.8, -15.3, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
$10^2$
$10^3$
$10^4$

# #18_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 34.54 dB
ABM1 comp = -4.73 dBA/m
Location: 9.6, -25, 3.7 mm

0 dB = 53.33 = 34.54 dB

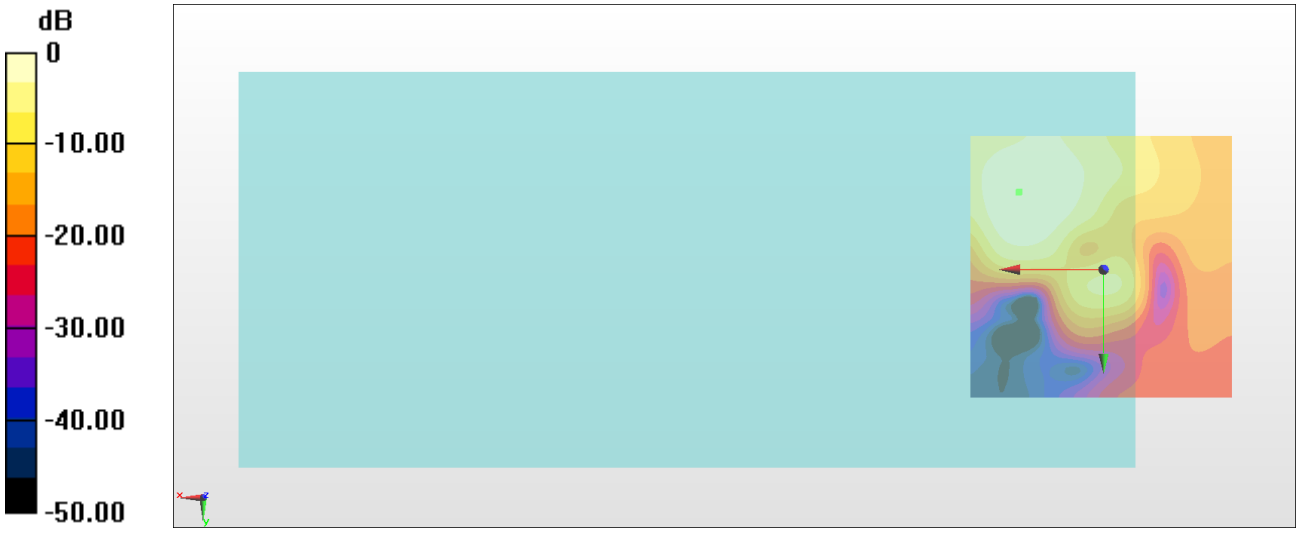
# #19_HAC_T-Coil_WCDMA II_HSPA_Ch9400_Axial (Z)

Communication System: WCDMA ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

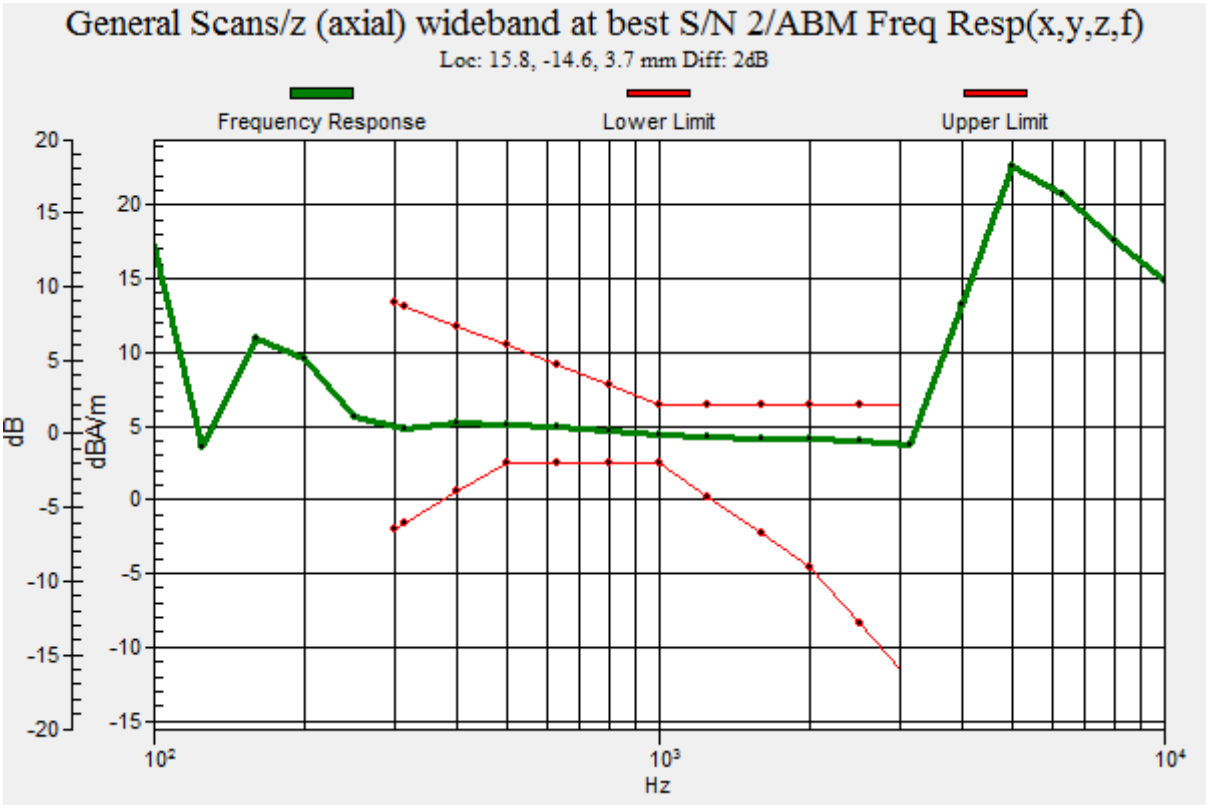
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 41.44 dB
ABM1 comp = 2.56 dBA/m
Location: 15.9, -14.5, 3.7 mm




0 dB = 118.1 = 41.44 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 15.8, -14.6, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
10²
10³
10⁴

# #19_HAC_T-Coil_WCDMA II_HSPA_Ch9400_Transversal (Y)

Communication System: WCDMA ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 38.09 dB
ABM1 comp = -3.29 dBA/m
Location: 2.6, -6.8, 3.7 mm

0 dB = 80.25 = 38.09 dB

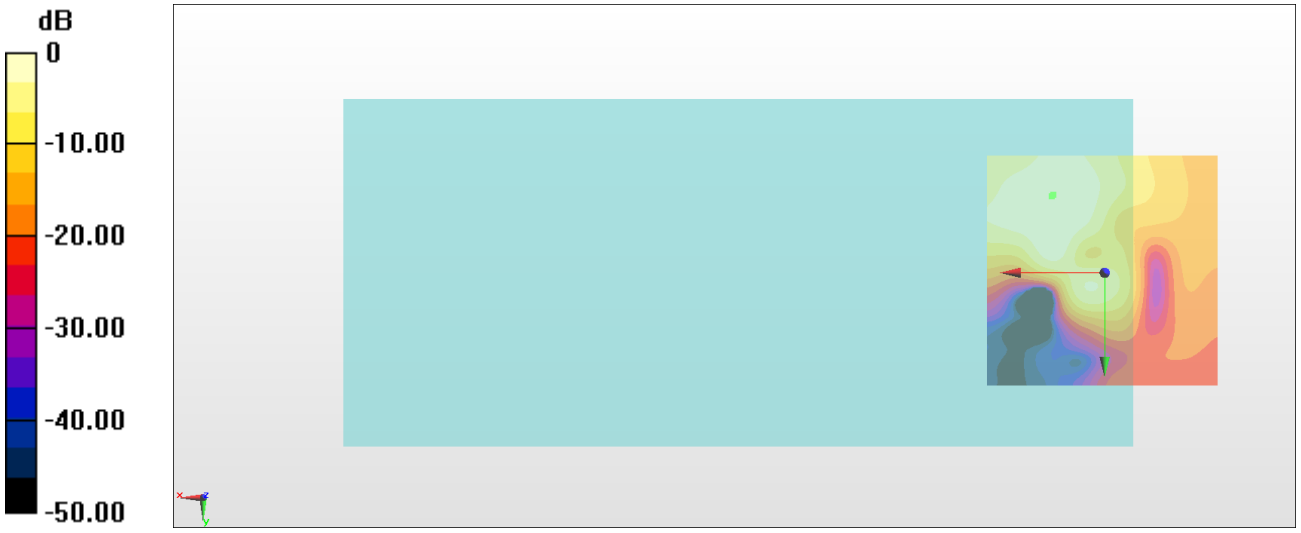
# #20_HAC_T-Coil_WCDMA IV_HSPA_Ch1413_Axial (Z)

Communication System: WCDMA ; Frequency: 1732.6 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

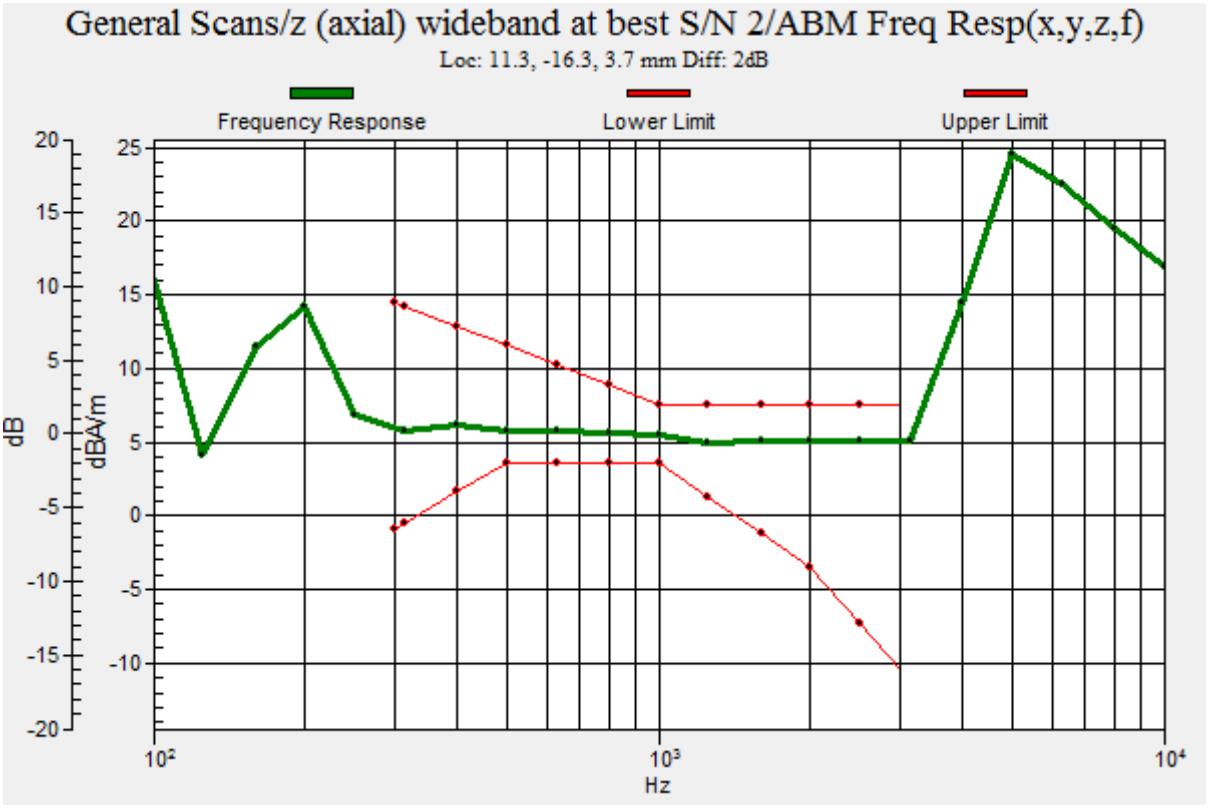
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 41.72 dB
ABM1 comp = 6.96 dBA/m
Location: 11, -16.6, 3.7 mm




0 dB = 121.9 = 41.72 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 11.3, -16.3, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
$10^2$
$10^3$
$10^4$

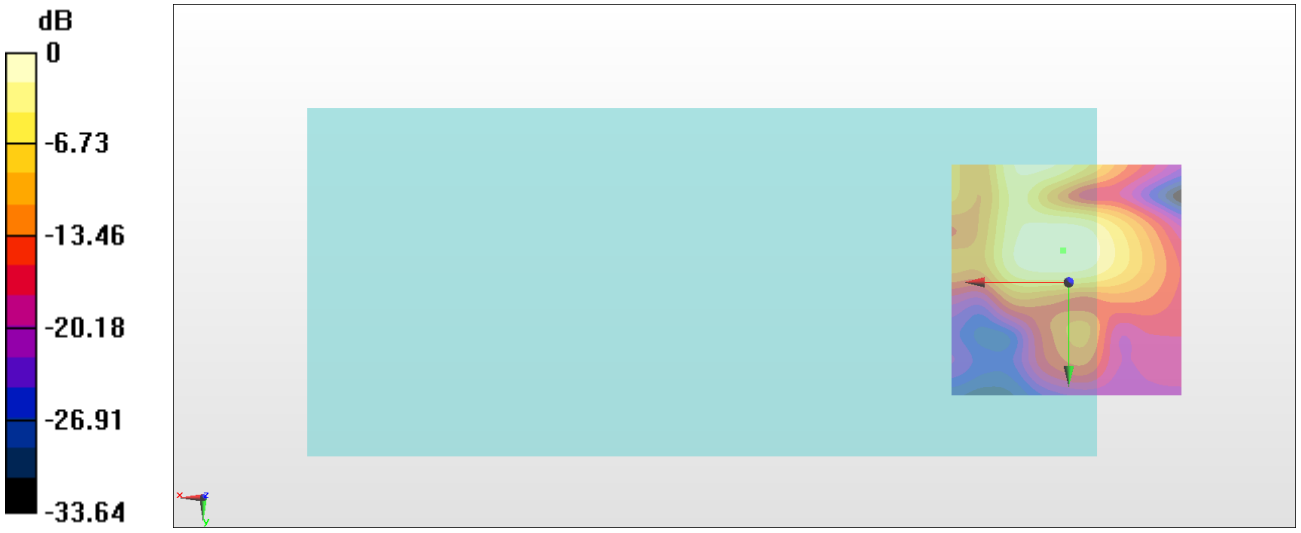
# #20_HAC_T-Coil_WCDMA IV_HSPA_Ch1413_Transversal (Y)

Communication System: WCDMA ; Frequency: 1732.6 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 37.92 dB
ABM1 comp = -4.26 dBA/m
Location: 1.2, -6.8, 3.7 mm



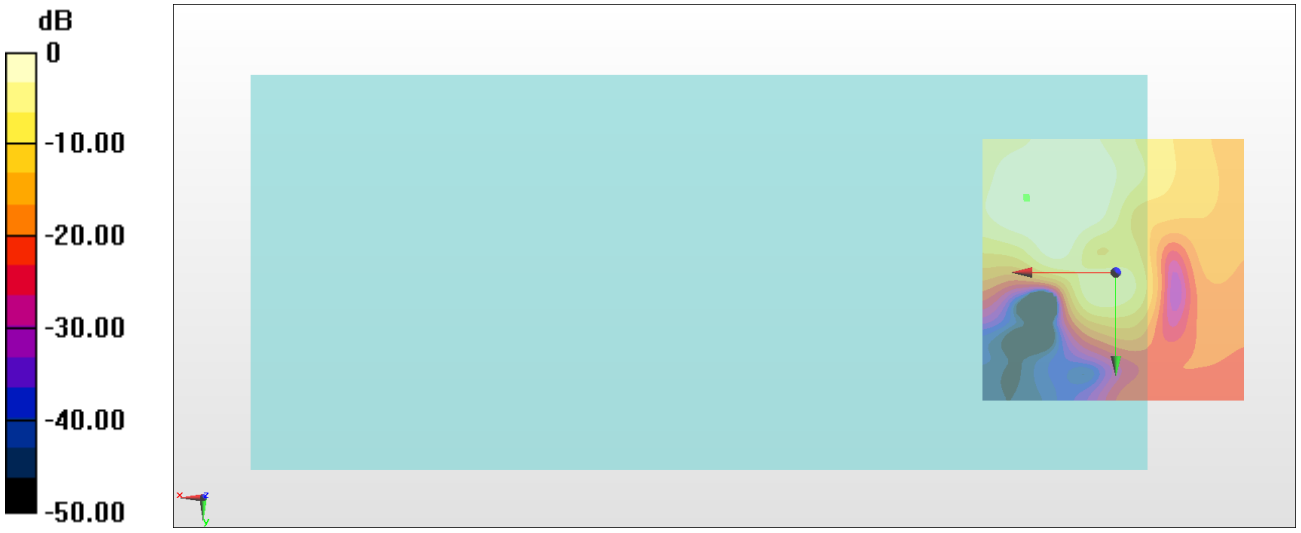

0 dB = 78.72 = 37.92 dB

# #21_HAC_T-Coil_WCDMA IV_HSPA_Ch4182_Axial (Z)

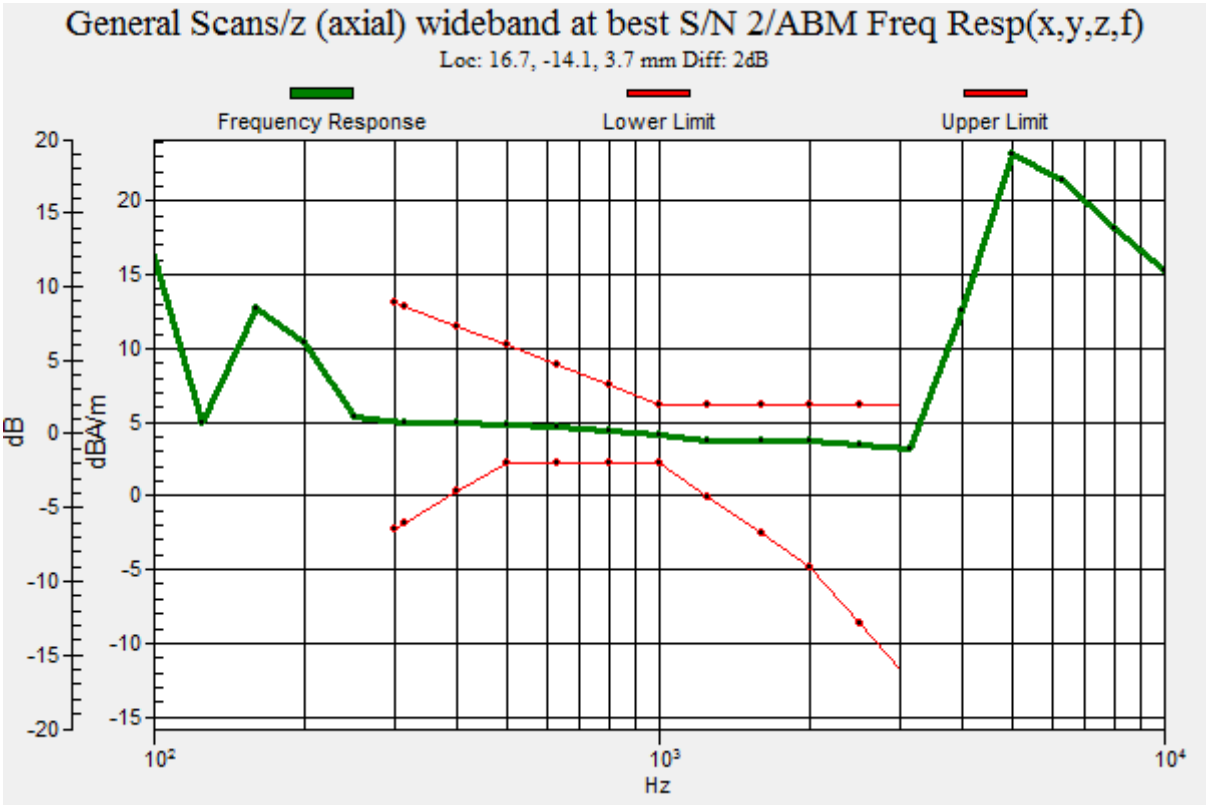
Communication System: WCDMA ; Frequency: 836.4 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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) (71x71x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm
ABM1/ABM2 = 41.40 dB
ABM1 comp = 2.85 dBA/m
Location: 16.6, -13.8, 3.7 mm




0 dB = 117.5 = 41.40 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 16.7, -14.1, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
10²
10³
10⁴

# #21_HAC_T-Coil_WCDMA IV_HSPA_Ch4182_Transversal (Y)

Communication System: WCDMA ; Frequency: 836.4 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 38.74 dB
ABM1 comp = -2.37 dBA/m
Location: 3.3, -6.1, 3.7 mm

0 dB = 86.47 = 38.74 dB

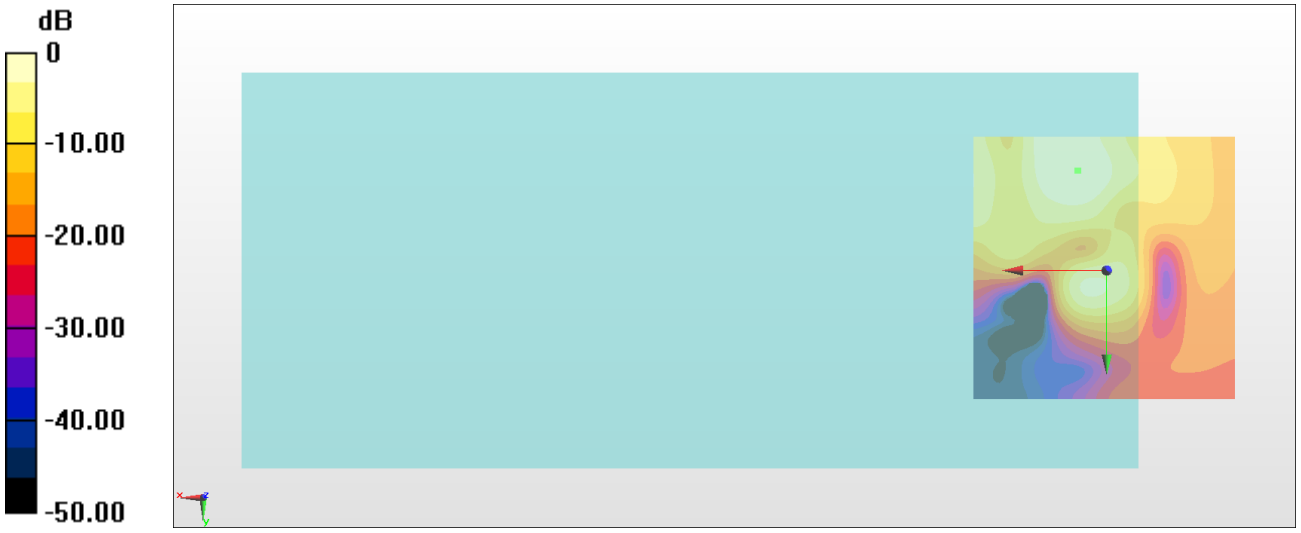
# #22_HAC_T-Coil_LTE Band 25_20M_QPSK_1_0_Ch26340_Axial (Z)

Communication System: LTE ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

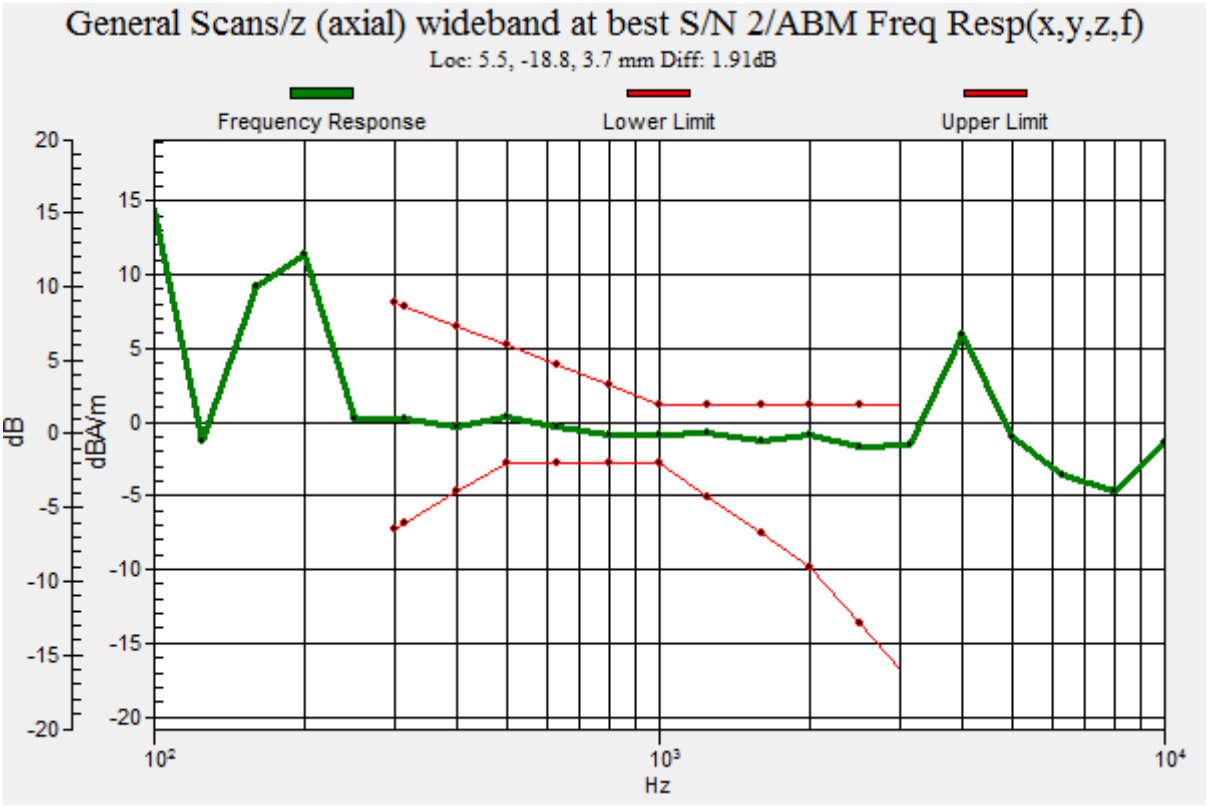
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 40.36 dB
ABM1 comp = 1.16 dBA/m
Location: 5.4, -18.7, 3.7 mm




0 dB = 104.2 = 40.36 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 5.5, -18.8, 3.7 mm Diff: 1.91dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

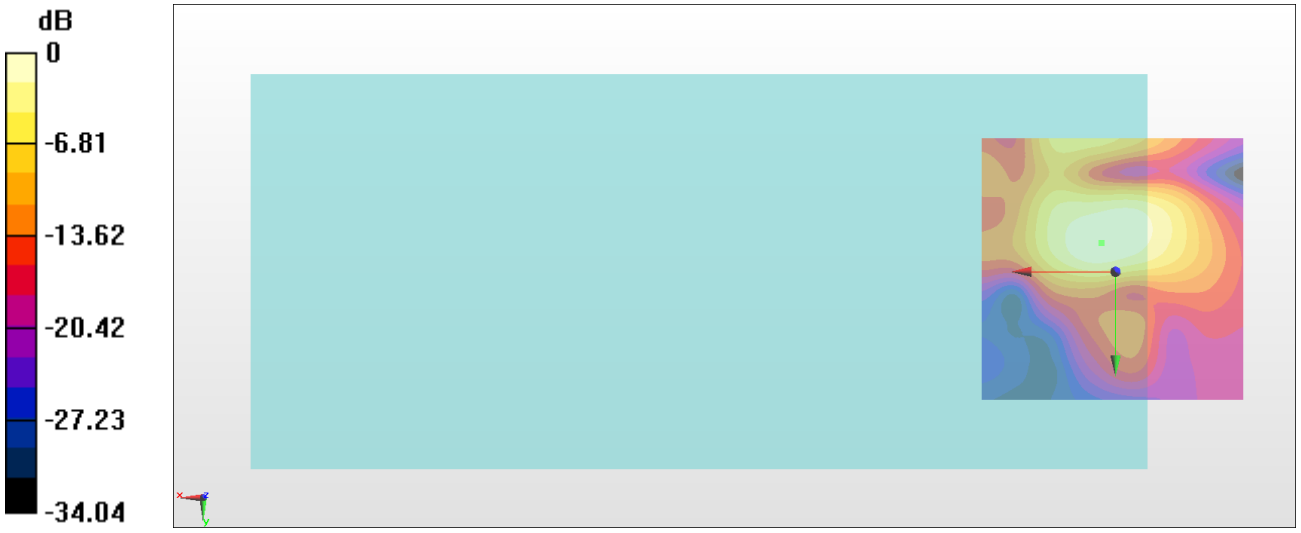
# #22_HAC_T-Coil_LTE Band 25_20M_QPSK_1_0_Ch26340_Transversal (Y)

Communication System: LTE ; Frequency: 1880 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.3 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2017/11/21
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 38.31 dB
ABM1 comp = -3.98 dBA/m
Location: 2.6, -5.4, 3.7 mm




0 dB = 82.31 = 38.31 dB

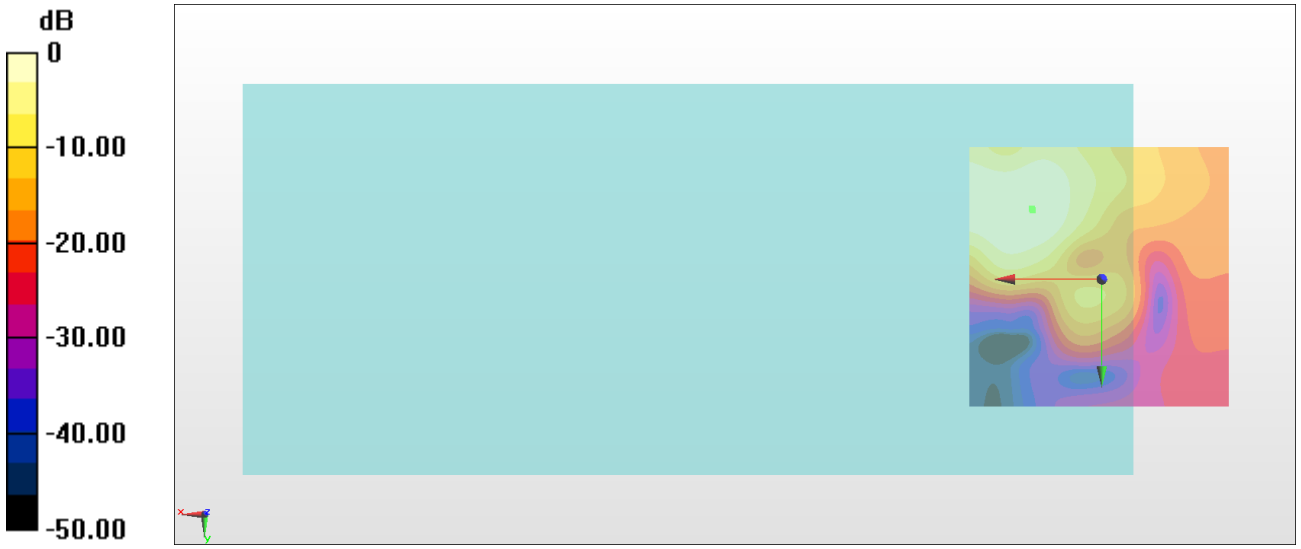
# #23_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Axial (Z)

Communication System: 802.11b ; Frequency: 2437 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

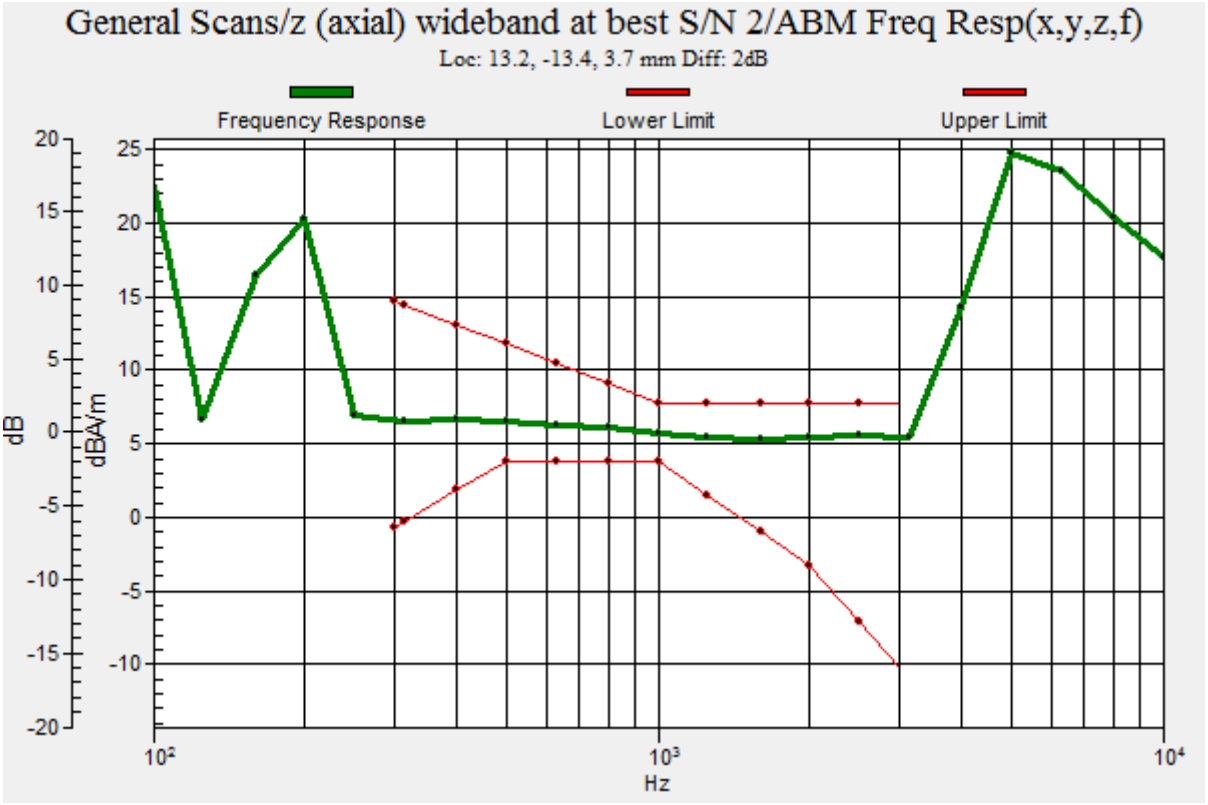
DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

## 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 = 36.95 dB
ABM1 comp = 5.65 dBA/m
Location: 13.1, -13.1, 3.7 mm




0 dB = 70.41 = 36.95 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 13.2, -13.4, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
$10^2$
$10^3$
$10^4$

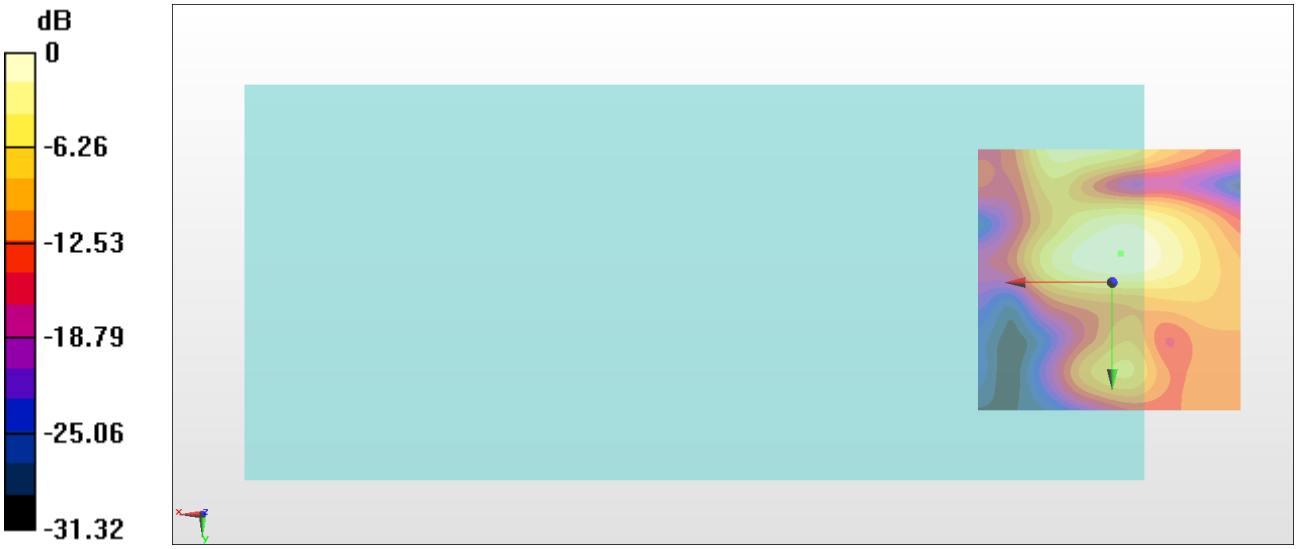
# #23_HAC_T-Coil_WLAN2.4GHz_802.11b 1Mbps_Ch6_Transversal (Y)

Communication System: 802.11b ; Frequency: 2437 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 31.72 dB
ABM1 comp = -5.80 dBA/m
Location: -1.6, -5.4, 3.7 mm




0 dB = 38.56 = 31.72 dB

# #24_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Axial (Z)

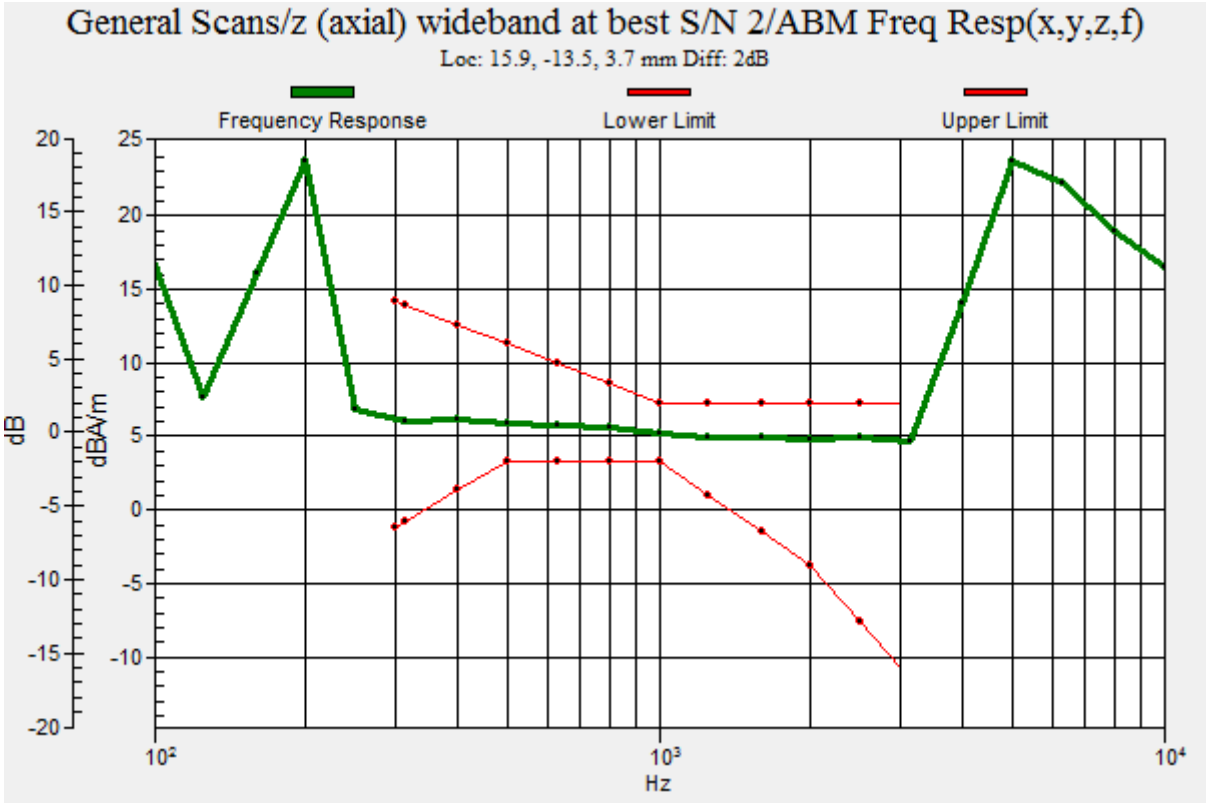
Communication System: 802.11a; Frequency: 5300 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 36.12 dB
ABM1 comp = 4.29 dBA/m
Location: 15.9, -13.8, 3.7 mm

0 dB = 63.95 = 36.12 dB


General Scans/z (axial) wideband at best S/N 2/ABM Freq Resp(x,y,z,f)
Loc: 15.9, -13.5, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
25
20
15
10
5
0
-5
-10
$10^2$
$10^3$
$10^4$

# #24_HAC_T-Coil_WLAN5GHz_802.11a 6Mbps_Ch60_Transversal (Y)

Communication System: 802.11a; Frequency: 5300 MHz
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m$^3$
Ambient Temperature：23.7 ℃

DASY5 Configuration:
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- 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 = 32.74 dB
ABM1 comp = -3.93 dBA/m
Location: 1.9, -5.4, 3.7 mm

0 dB = 43.36 = 32.74 dB