

7_CDMA BC1_RC4 SO68_Ch600 (Z)

Communication System: UID 0, CDMA (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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch600/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

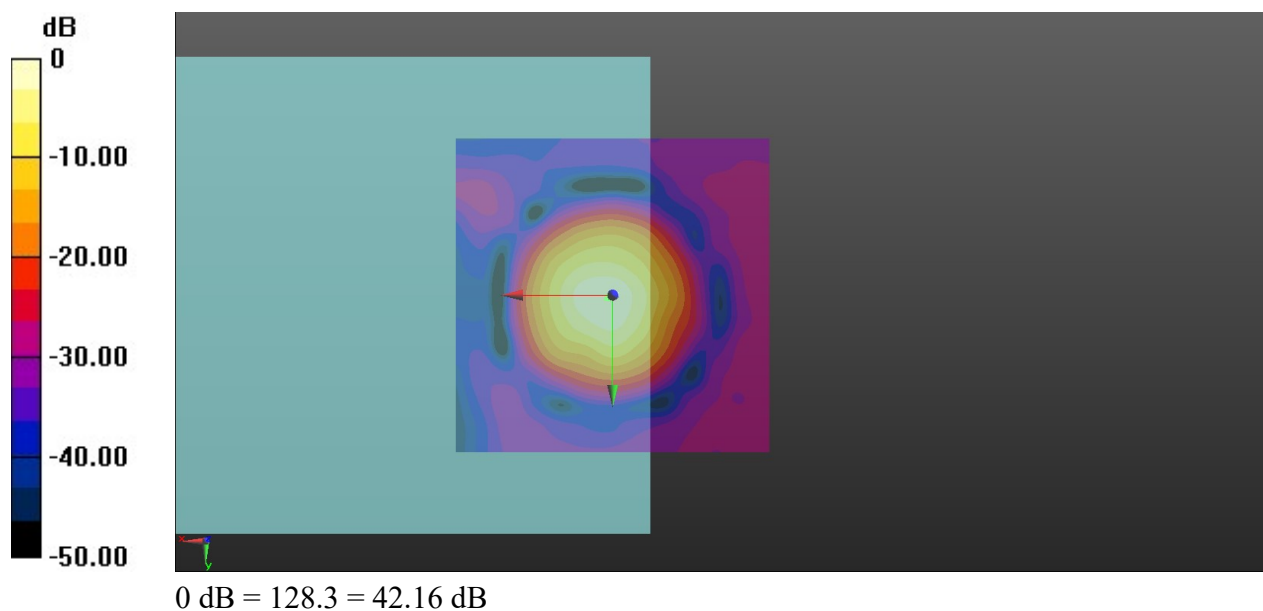
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.16 dB

ABM1 comp = 0.35 dBA/m

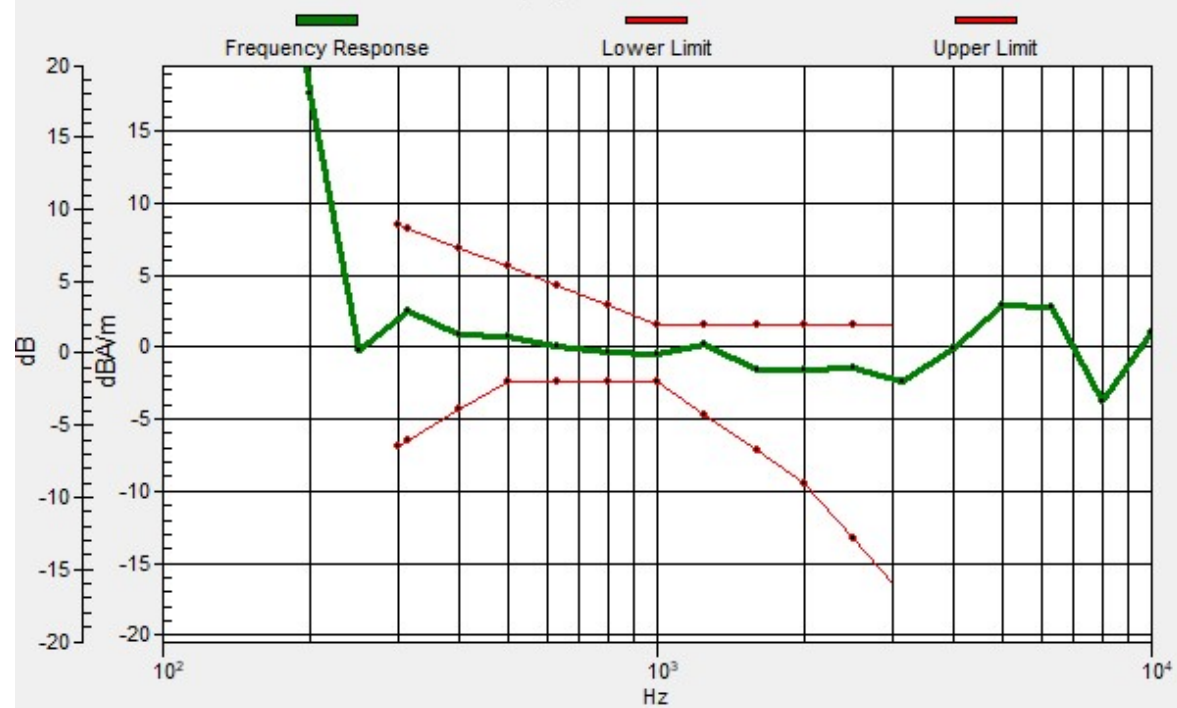
BWC Factor = 0.16 dB

Location: 0.8, 0.4, 3.7 mm



Ch600/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0.5, 0.3, 3.7 mm Diff: 1.37dB



7_CDMA BC1_RC4 SO68_Ch600 (Y)

Communication System: UID 0, CDMA (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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

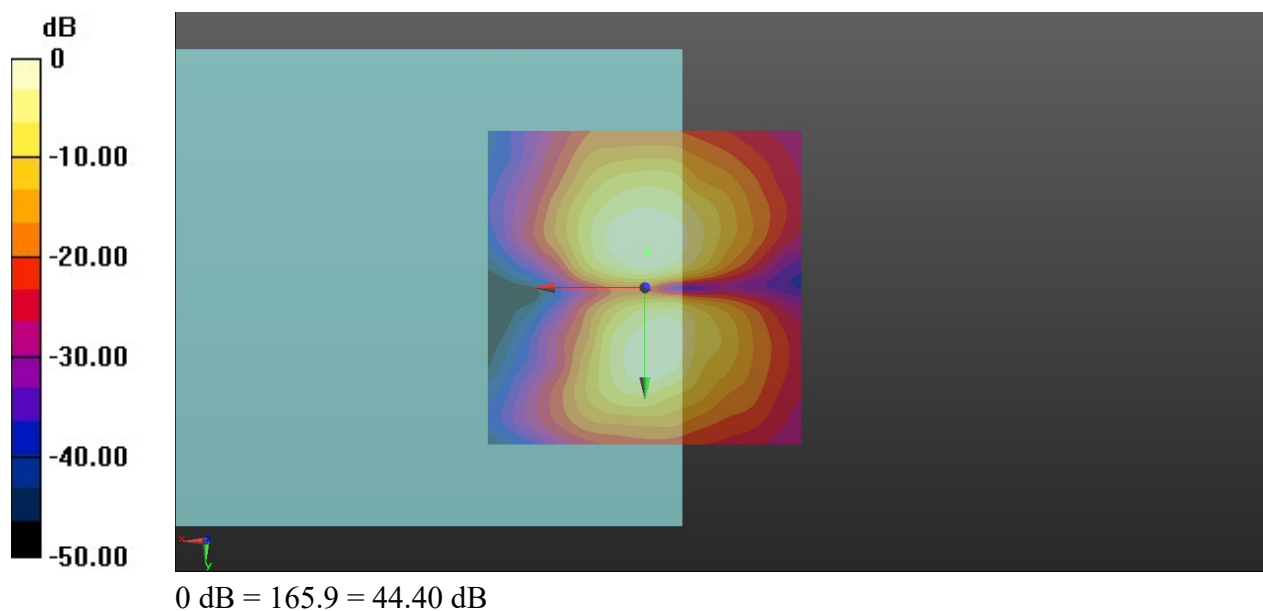
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 44.40 dB

ABM1 comp = -8.95 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -5.8, 3.7 mm



8_CDMA BC10_RC4 SO68_Ch580(Z)

Communication System: UID 0, CDMA (0); Frequency: 820.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch580/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

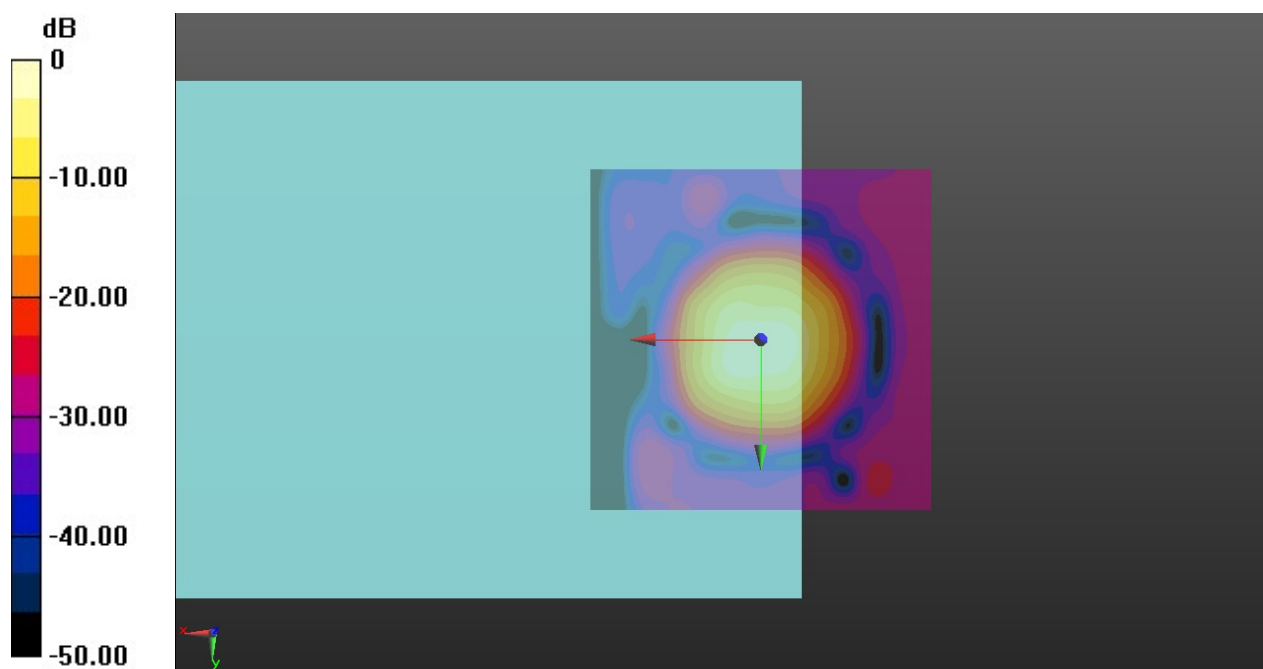
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.80 dB

ABM1 comp = -0.34 dBA/m

BWC Factor = 0.16 dB

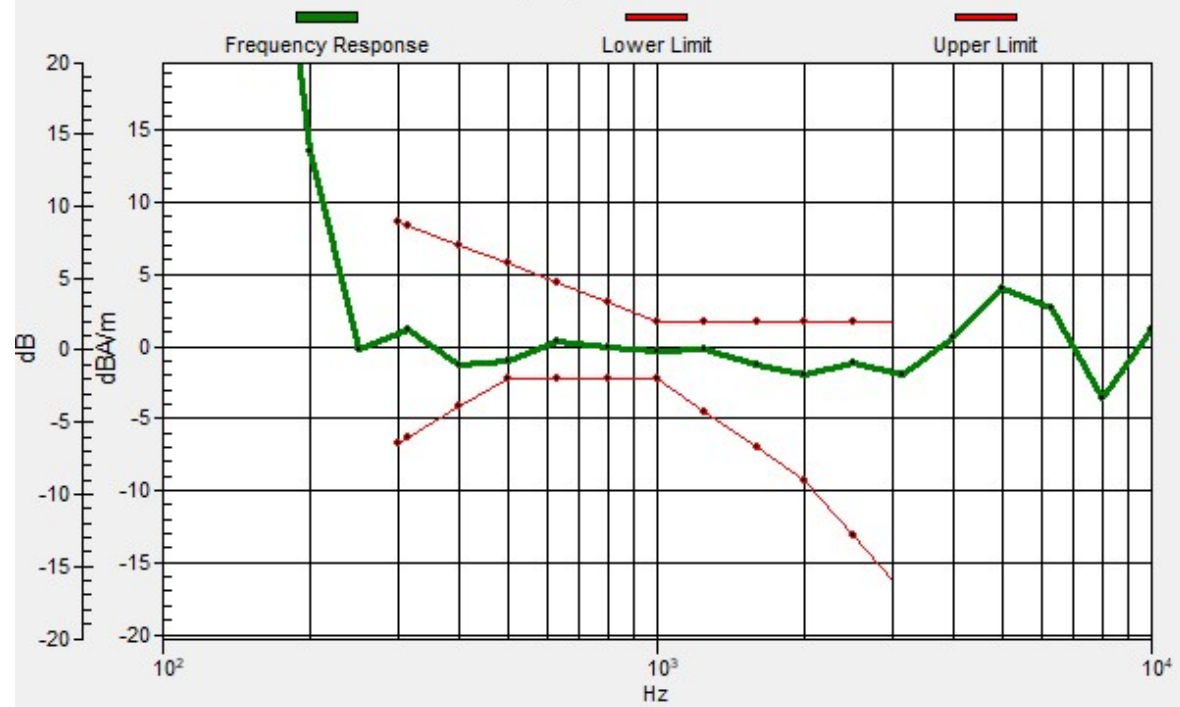
Location: 0, 0.4, 3.7 mm



0 dB = 97.72 = 39.80 dB

Ch580/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -0.3, 0.1, 3.7 mm Diff: 1.25dB



8_CDMA BC10_RC4 SO68_Ch580(Y)

Communication System: UID 0, CDMA (0); Frequency: 820.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch580/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

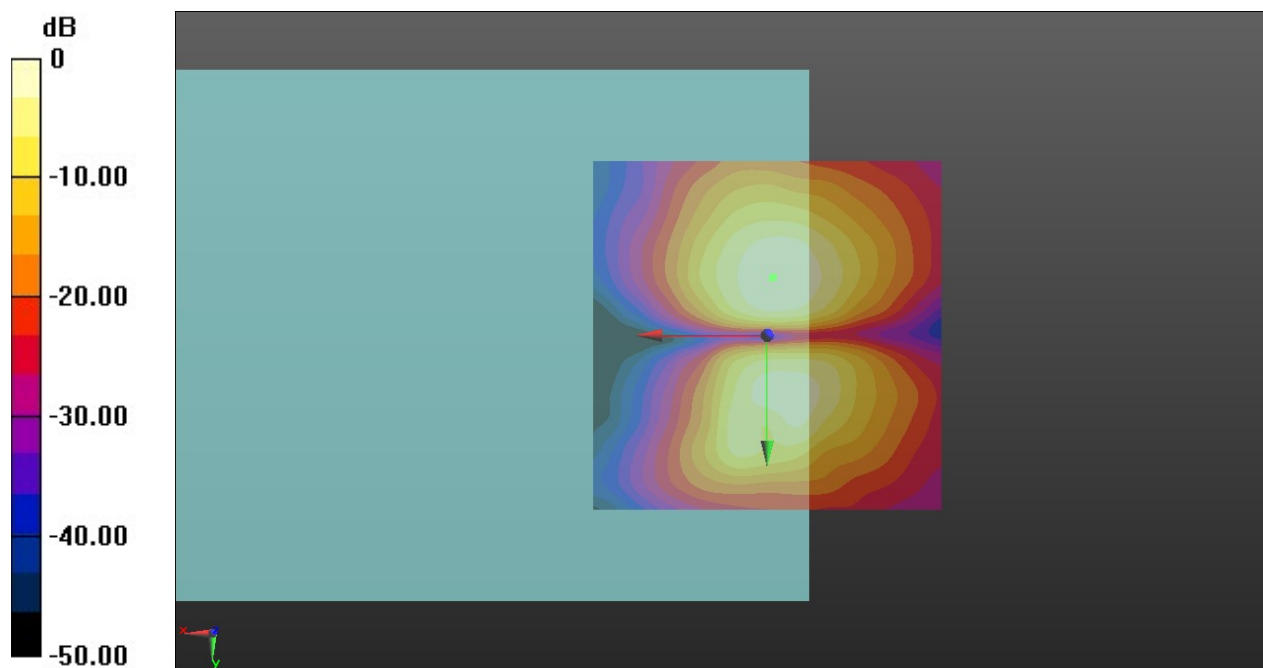
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.37 dB

ABM1 comp = -7.92 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -8.3, 3.7 mm



9_HAC_T-Coil_LTE Band 2_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch18900 (Z)

Communication System: UID 0, LTE-FDD (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 : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

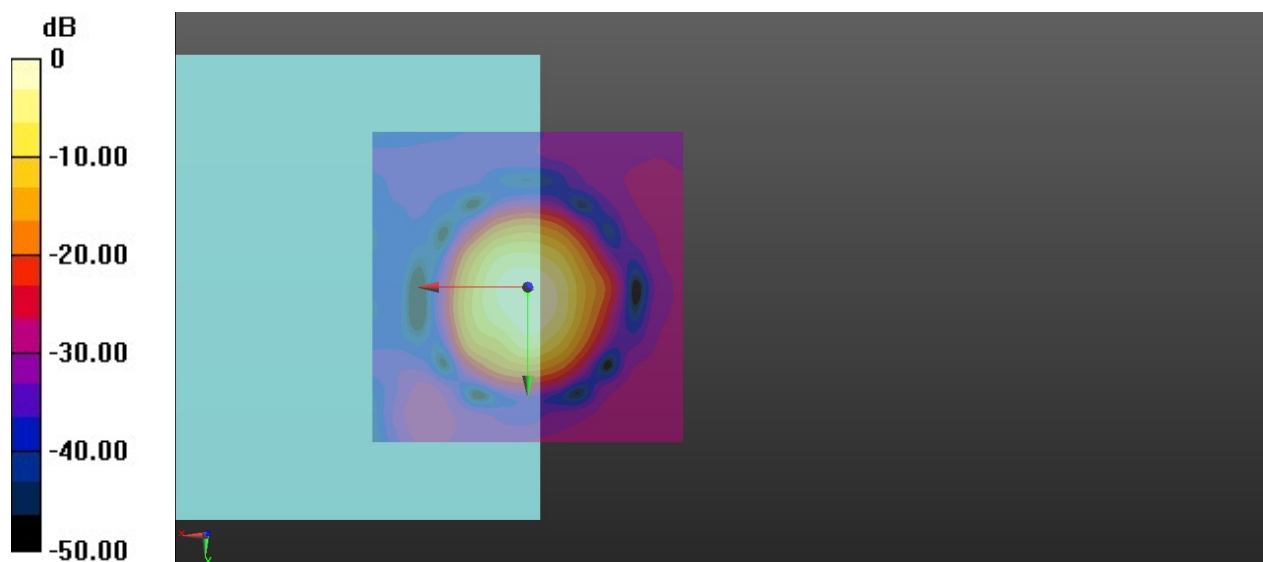
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.43 dB

ABM1 comp = 4.29 dBA/m

BWC Factor = 0.16 dB

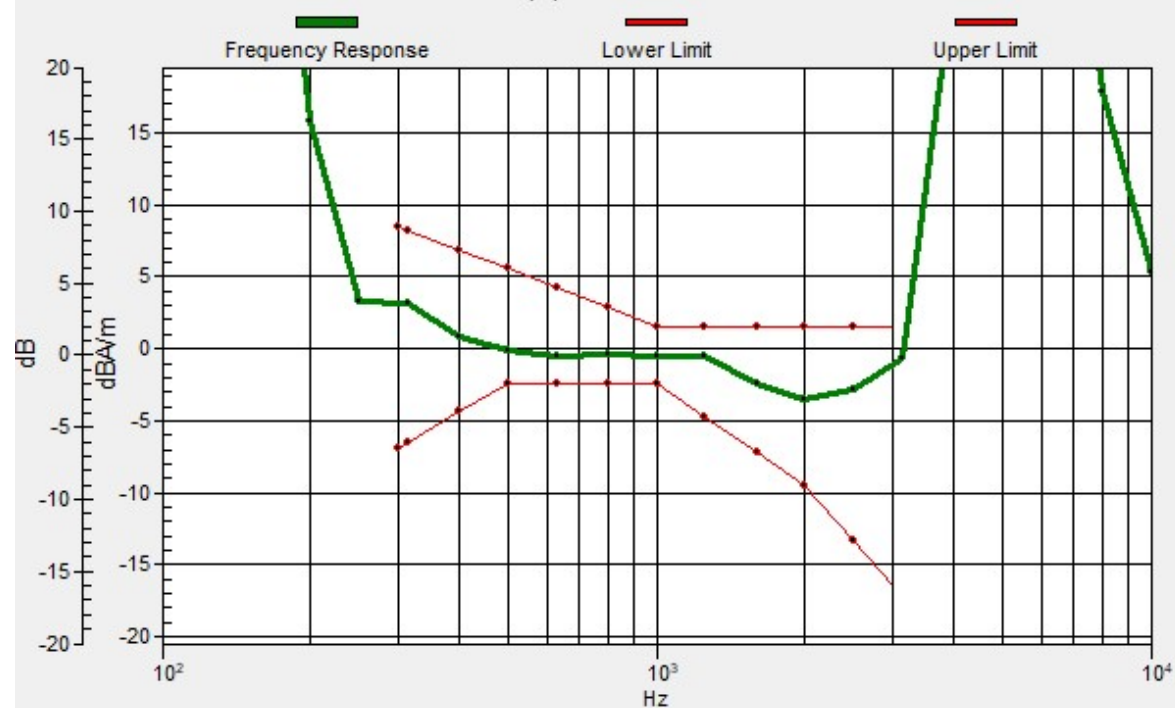
Location: 0, 0.8, 3.7 mm



0 dB = 235.1 = 47.43 dB

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

Loc: 0.1, 1, 3.7 mm Diff: 1.99dB



9_HAC_T-Coil_LTE Band 2_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch18900 (Y)

Communication System: UID 0, LTE-FDD (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 : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

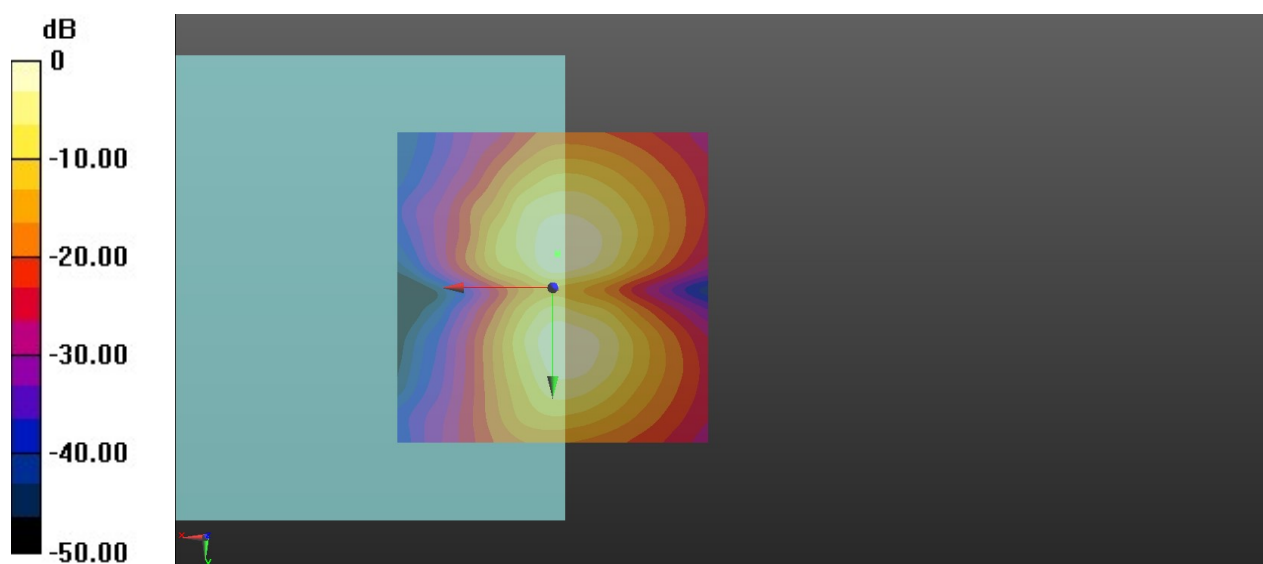
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.70 dB

ABM1 comp = -3.94 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -5.4, 3.7 mm



0 dB = 305.3 = 49.70 dB

10_HAC_T-Coil_LTE Band 4_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch20175 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

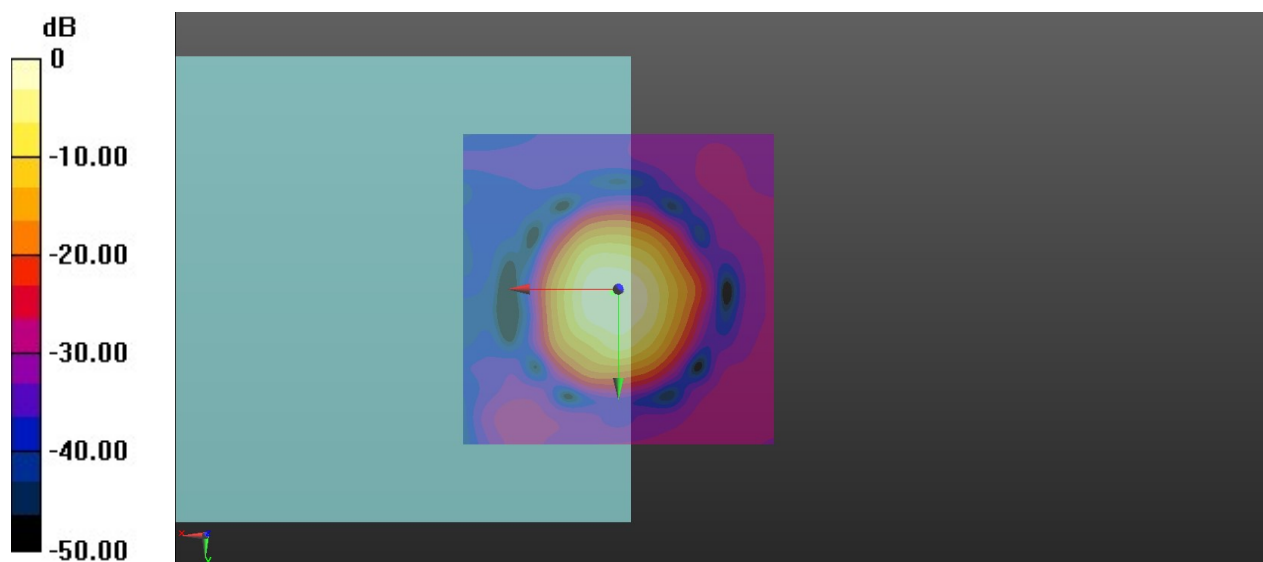
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.32 dB

ABM1 comp = 4.03 dBA/m

BWC Factor = 0.16 dB

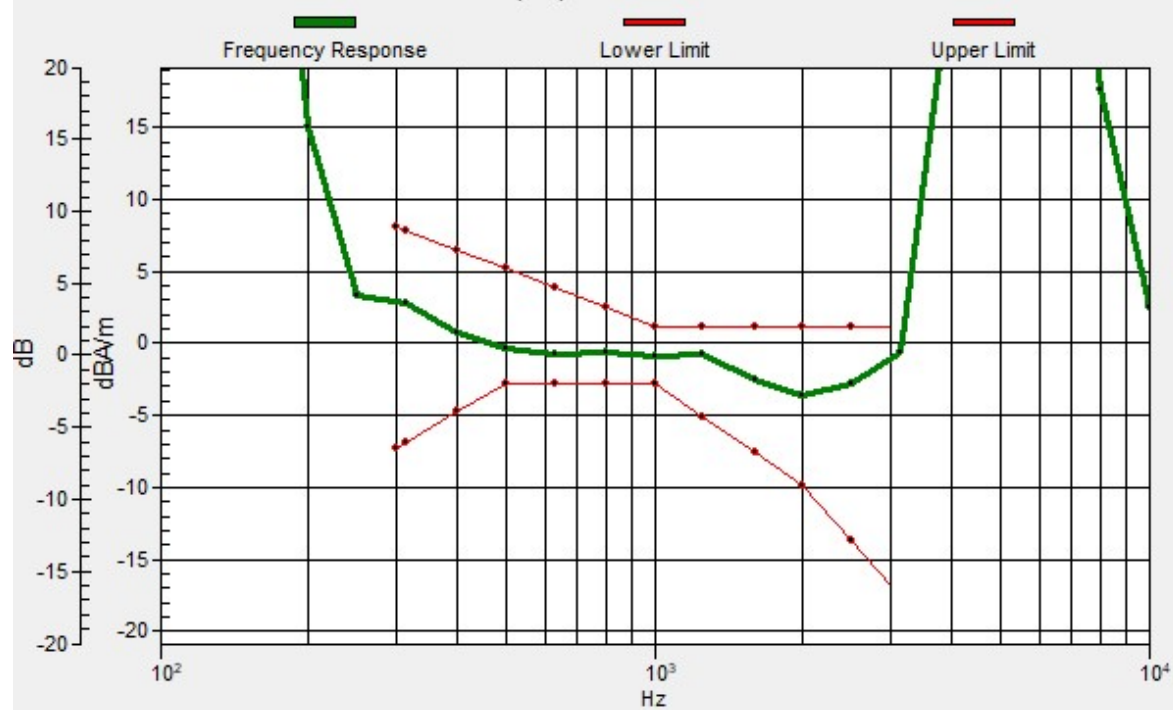
Location: 0.8, 0.4, 3.7 mm



0 dB = 292.5 = 49.32 dB

Ch20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0.8, 0.5, 3.7 mm Diff: 1.98dB



10_HAC_T-Coil_LTE Band 4_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch20175 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

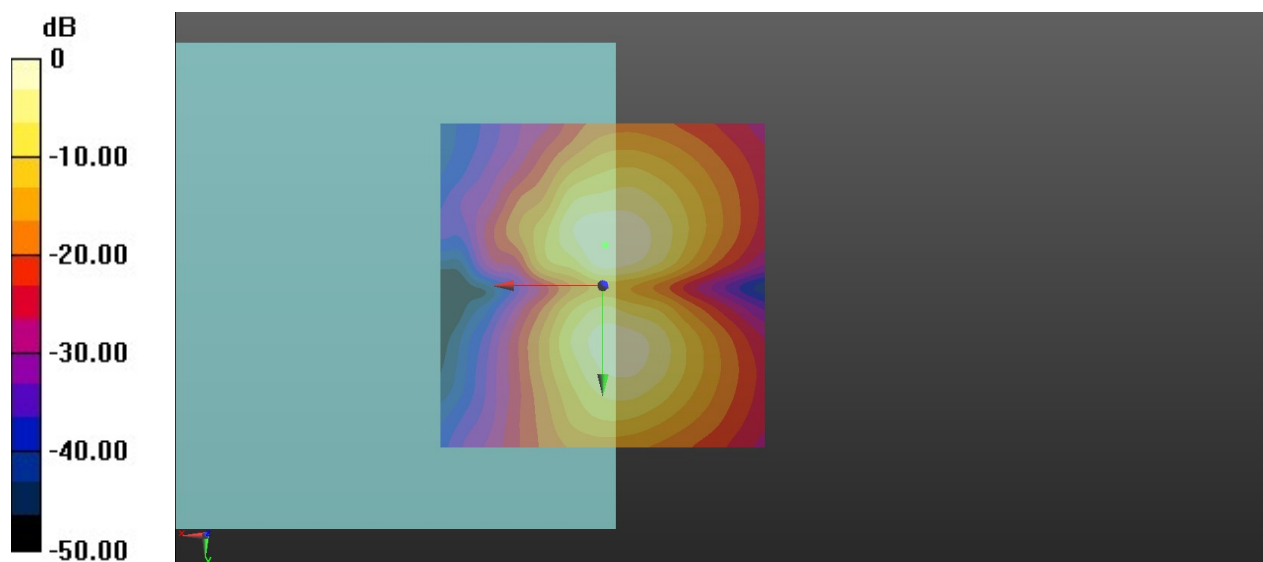
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.31 dB

ABM1 comp = -3.72 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -6.3, 3.7 mm



0 dB = 327.7 = 50.31 dB

11_HAC_T-Coil_LTE Band 5_10M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch20525 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

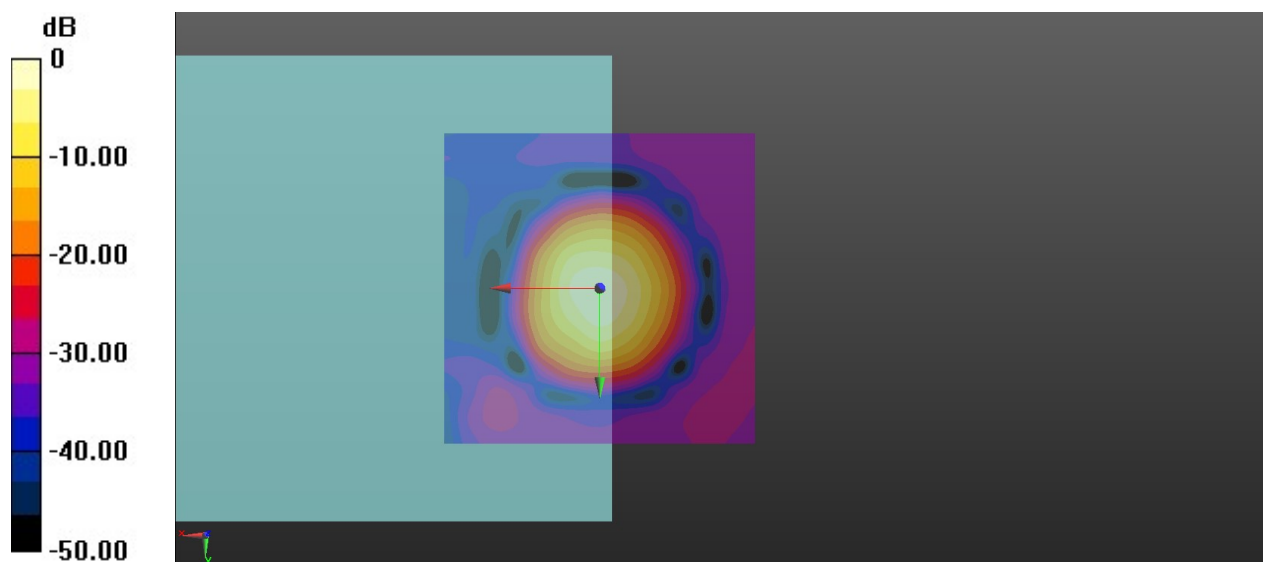
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.16 dB

ABM1 comp = 4.32 dBA/m

BWC Factor = 0.16 dB

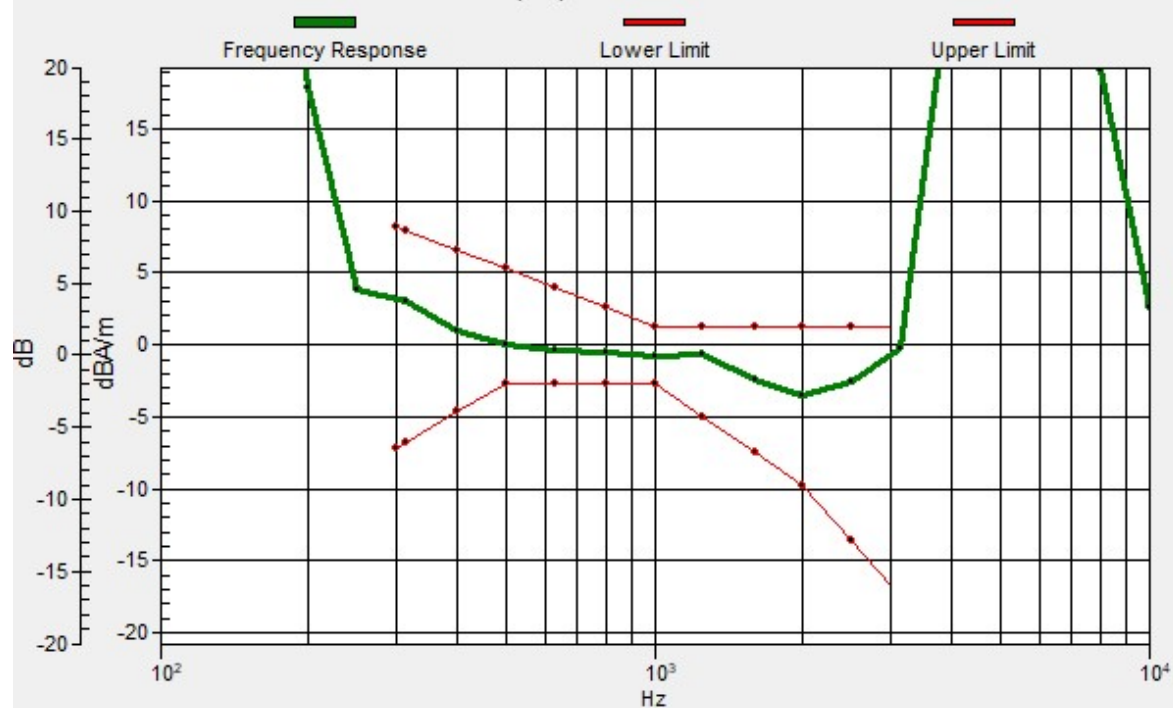
Location: 0, 0.4, 3.7 mm



0 dB = 322.1 = 50.16 dB

Ch20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0.1, 0.6, 3.7 mm Diff: 1.92dB



11_HAC_T-Coil_LTE Band 5_10M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch20525 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

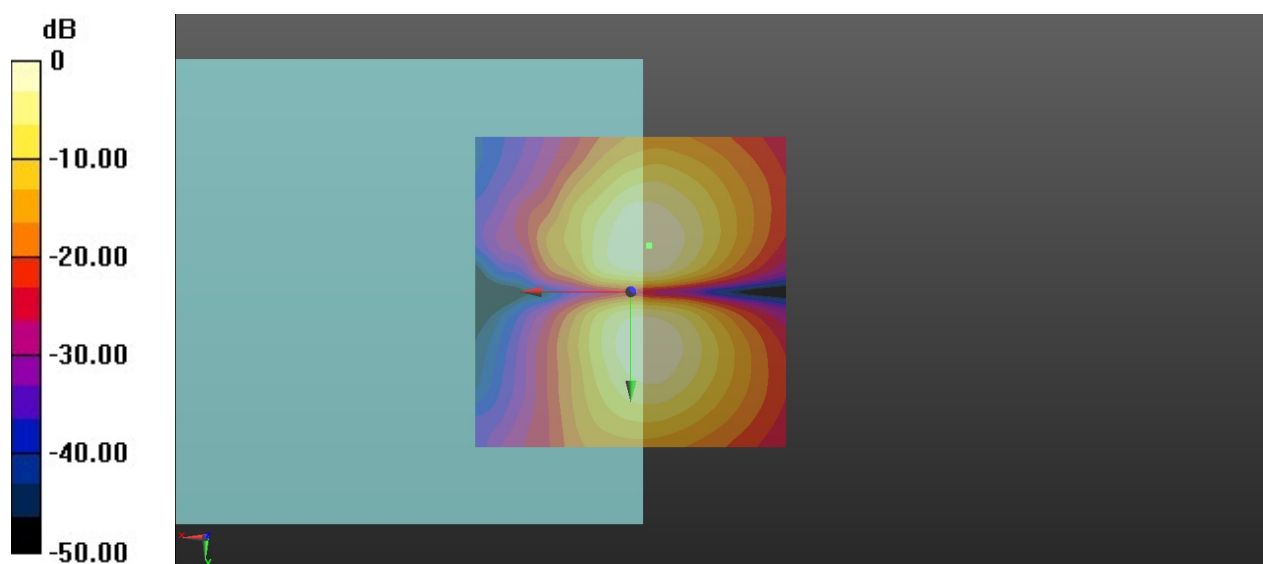
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.97 dB

ABM1 comp = -5.01 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -7.5, 3.7 mm



0 dB = 280.8 = 48.97 dB

12_HAC_T-Coil_LTE Band 7_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch21100 (Z)

Communication System: UID 0, LTE-FDD (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 : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

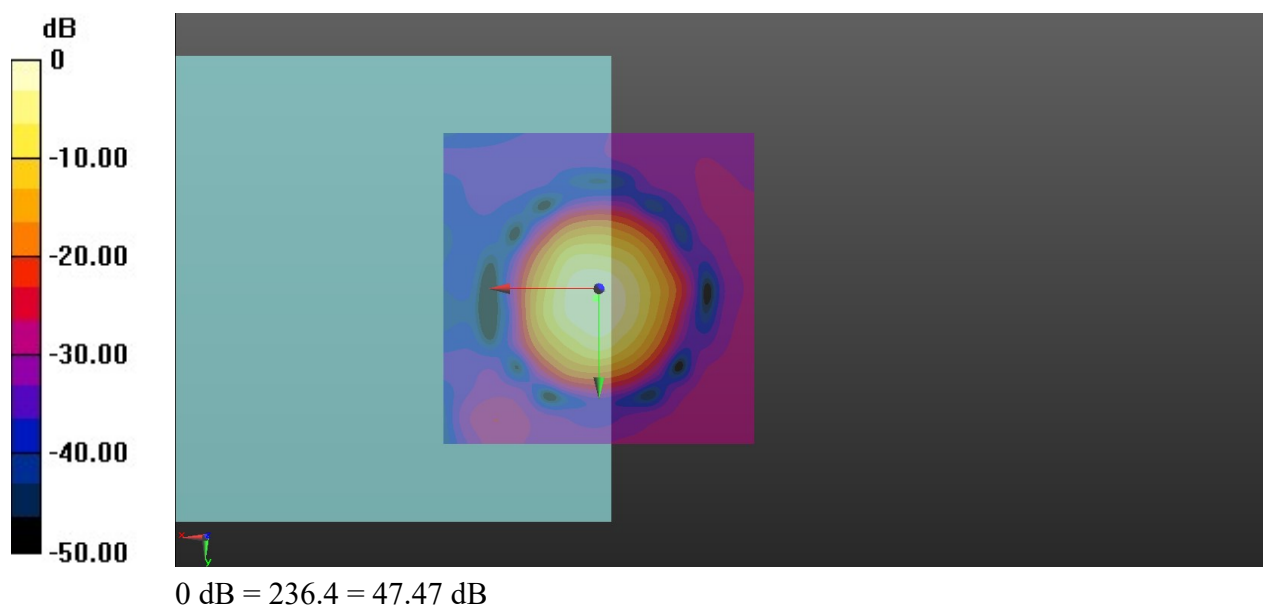
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.47 dB

ABM1 comp = 4.56 dBA/m

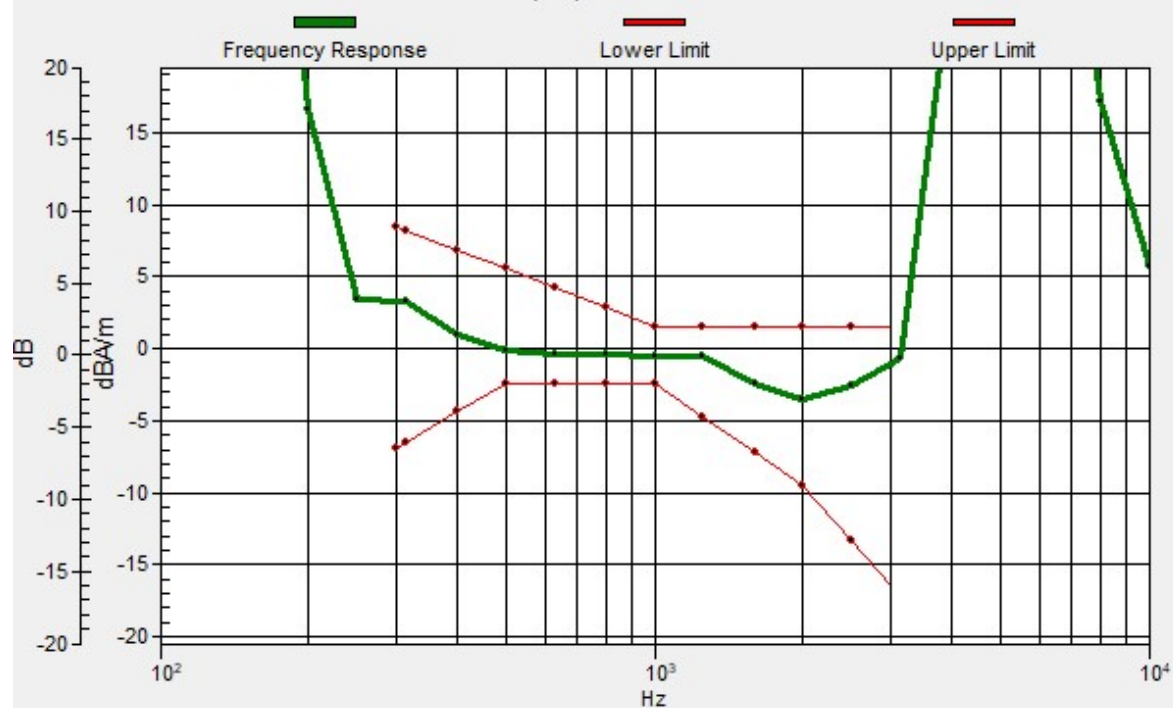
BWC Factor = 0.16 dB

Location: 0.4, 1.7, 3.7 mm



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

Loc: 0.4, 1.5, 3.7 mm Diff: 2dB



12_HAC_T-Coil_LTE Band 7_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch21100 (Y)

Communication System: UID 0, LTE-FDD (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 : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

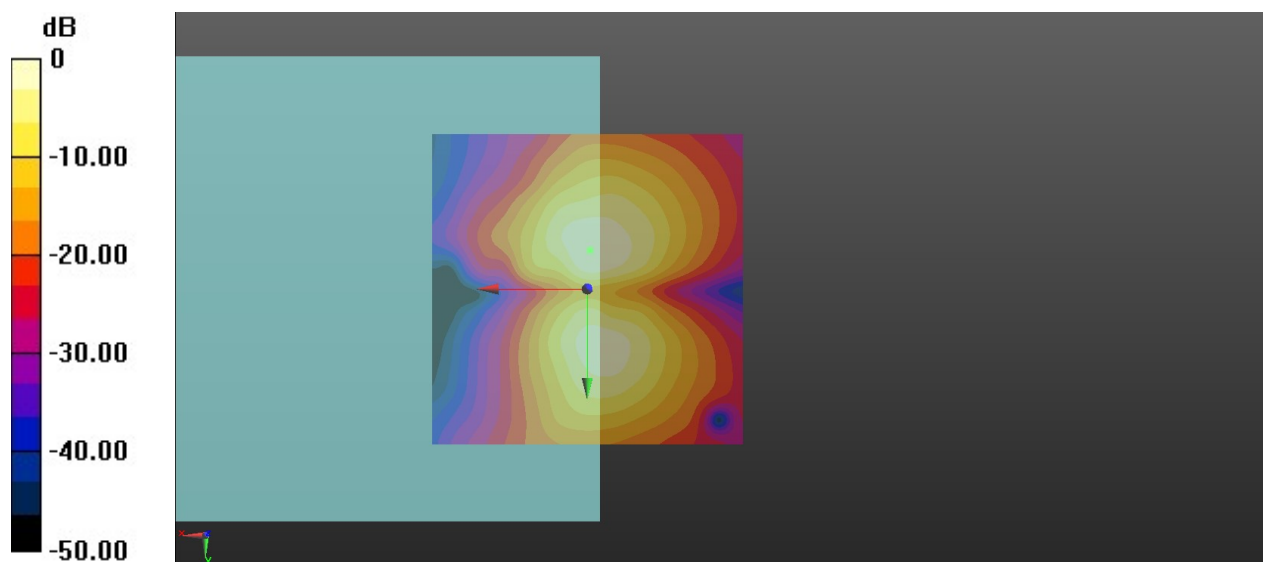
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.12 dB

ABM1 comp = -3.74 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -6.3, 3.7 mm



0 dB = 320.5 = 50.12 dB

13_HAC_T-Coil_LTE Band 12_10M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch23095 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

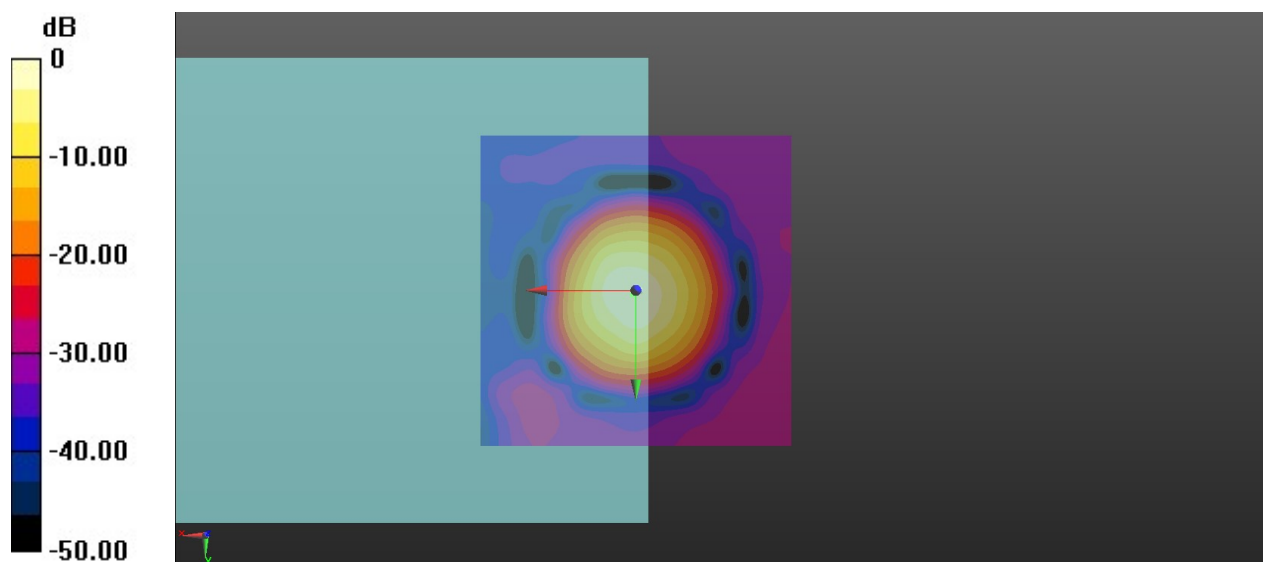
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.22 dB

ABM1 comp = 4.35 dBA/m

BWC Factor = 0.16 dB

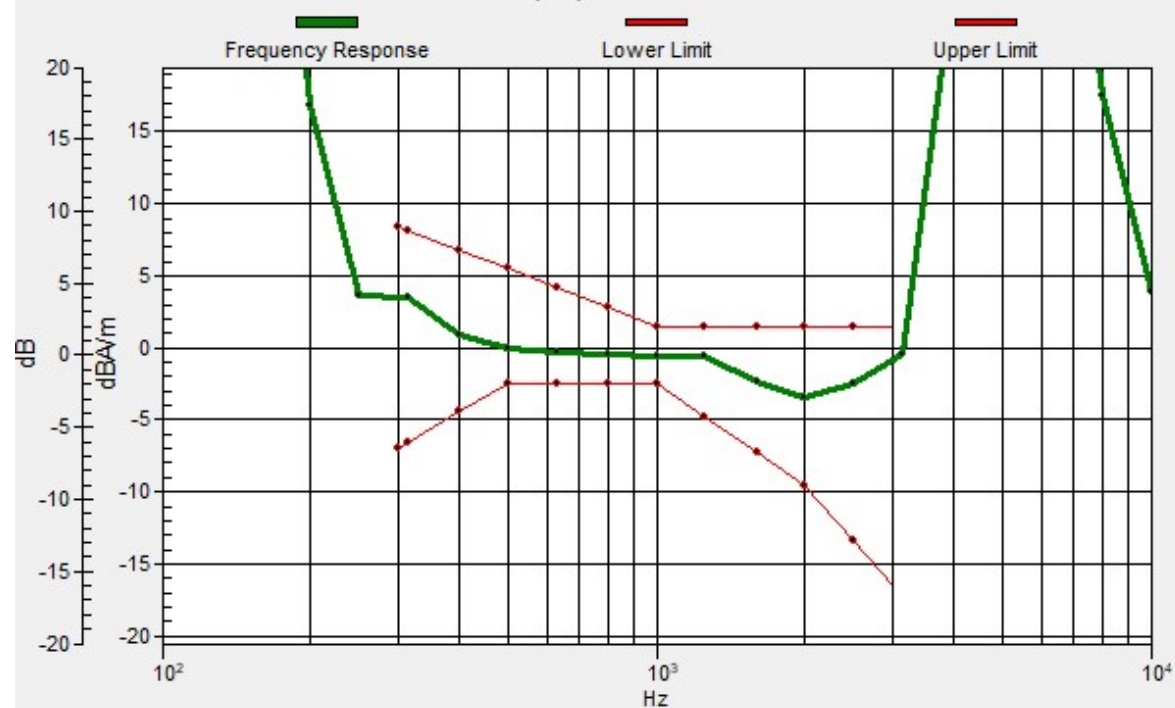
Location: 0.4, 0.4, 3.7 mm



0 dB = 257.6 = 48.22 dB

Ch23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0.4, 0.6, 3.7 mm Diff: 2dB



13_HAC_T-Coil_LTE Band 12_10M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch23095 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 707.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.6.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn690; Calibrated: 2020.3.26
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

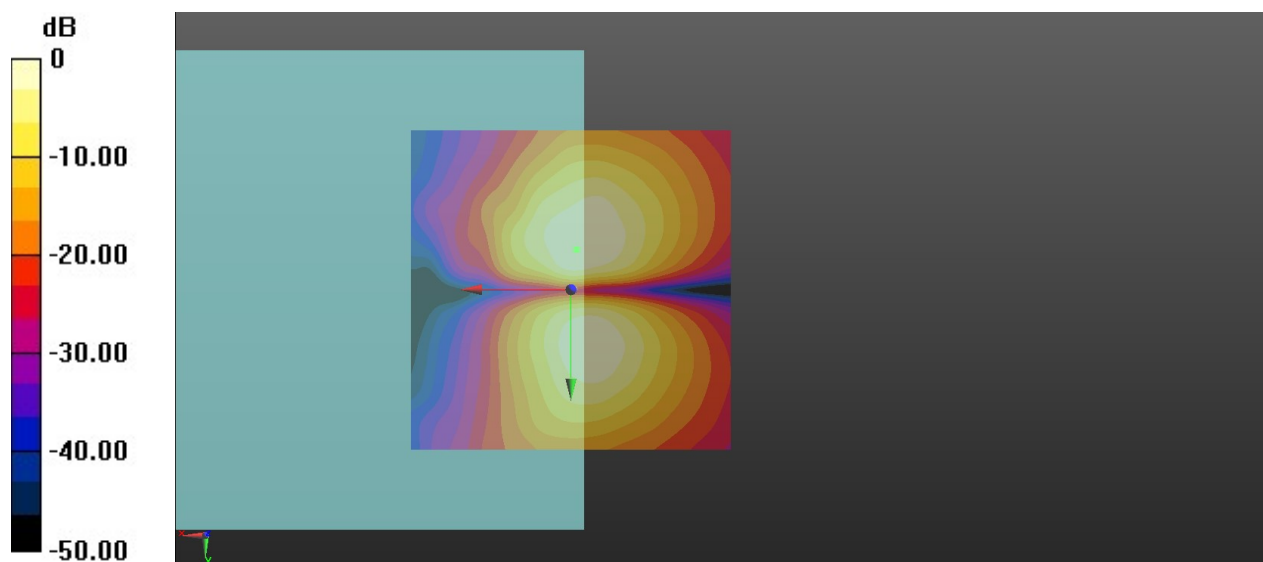
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.78 dB

ABM1 comp = -4.68 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -6.3, 3.7 mm



0 dB = 274.7 = 48.78 dB