

14_HAC_T-Coil_LTE Band 13_10M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23230 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 782 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)

Ch23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

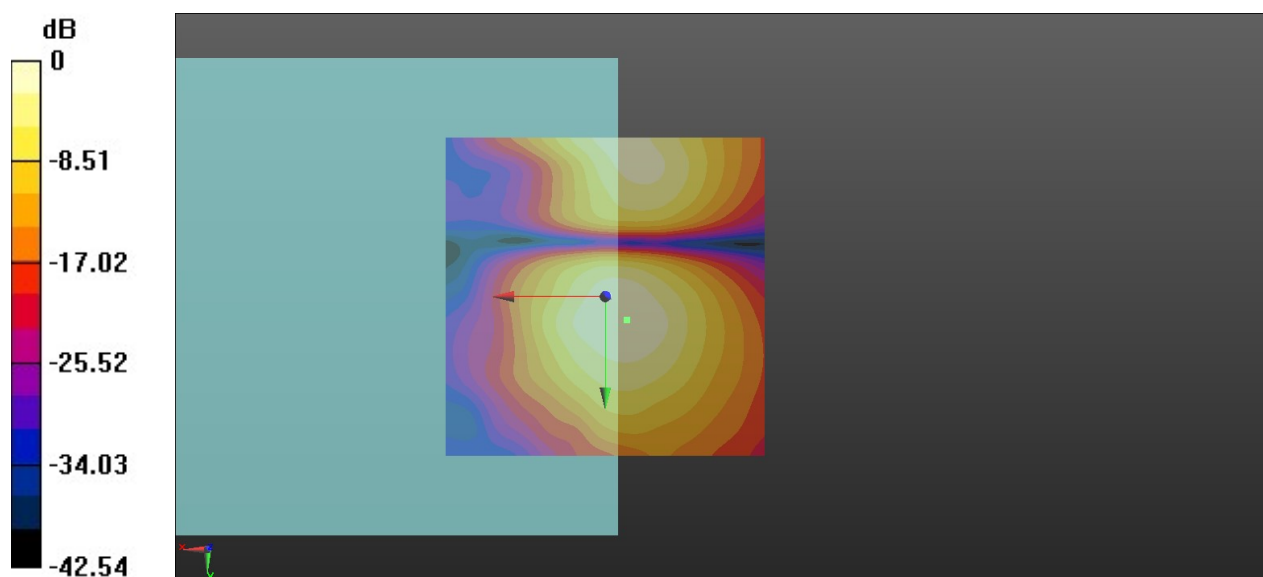
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.49 dB

ABM1 comp = -17.49 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, 3.7, 3.7 mm



15_HAC_T-Coil_LTE Band 17_10M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23790 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 710 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)

Ch23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

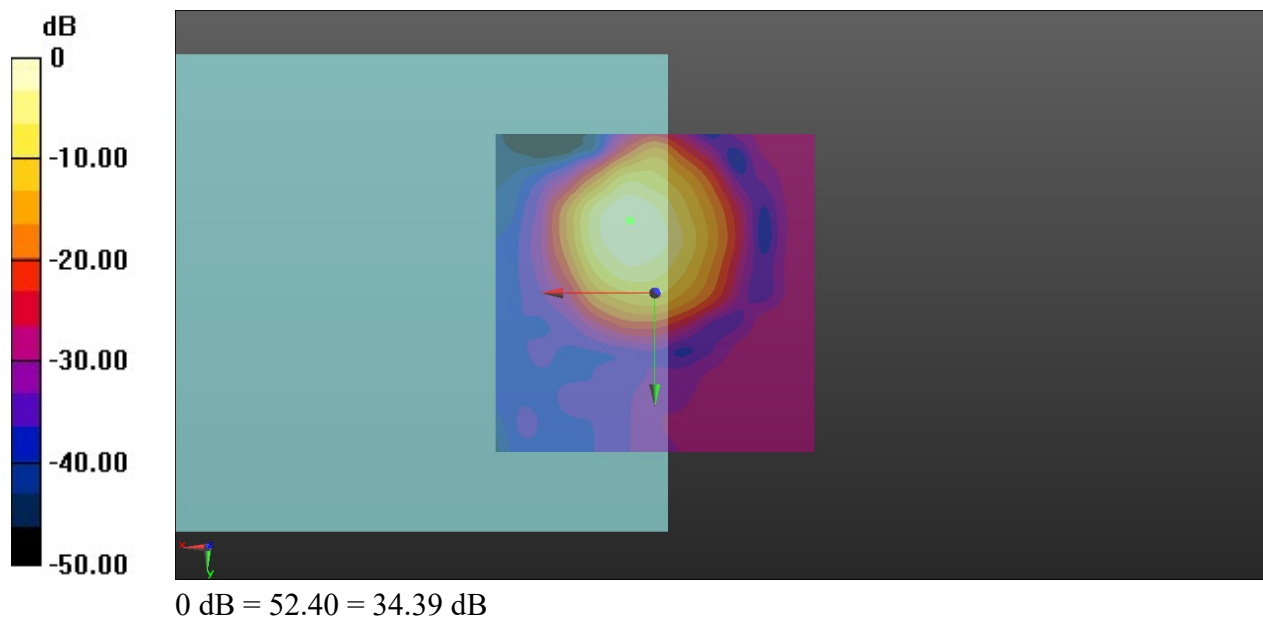
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.39 dB

ABM1 comp = -6.27 dBA/m

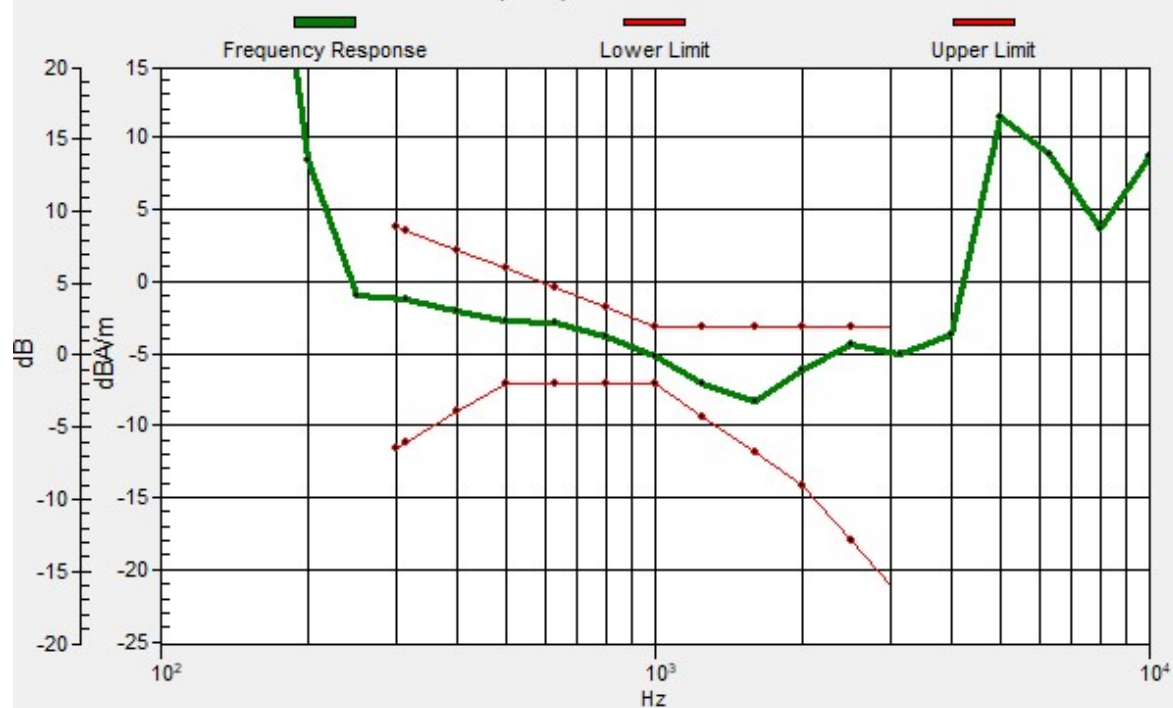
BWC Factor = 0.16 dB

Location: 3.8, -11.3, 3.7 mm



Ch23790/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4, -11.5, 3.7 mm Diff: 1.26dB



15_HAC_T-Coil_LTE Band 17_10M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23790 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 710 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)

Ch23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

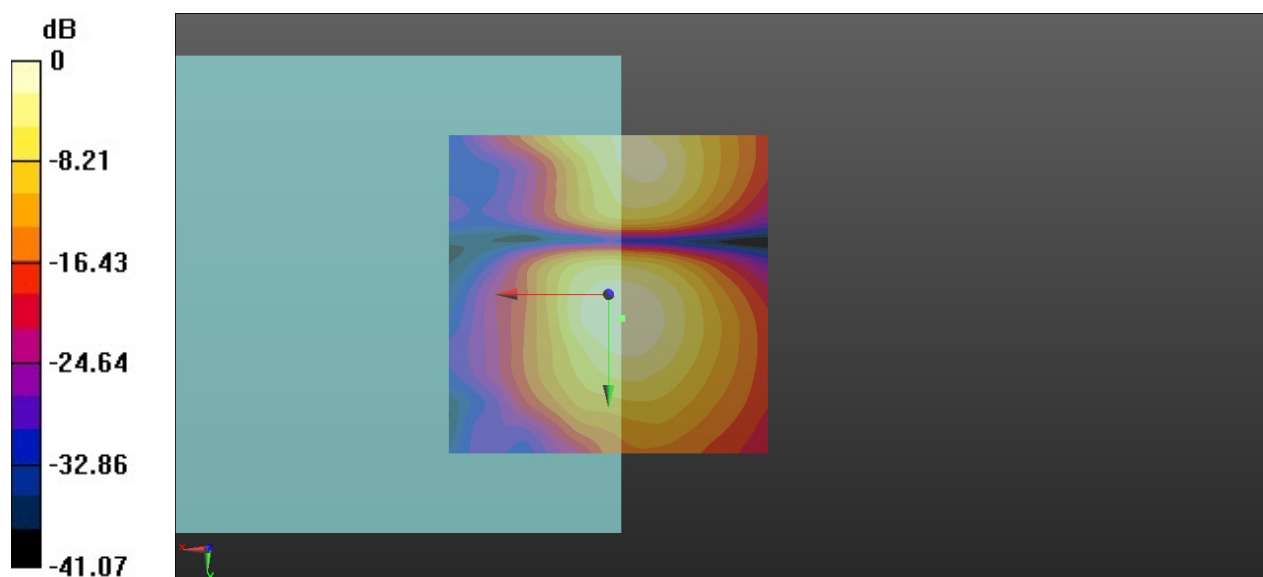
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.07 dB

ABM1 comp = -16.51 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, 3.7, 3.7 mm



16_HAC_T-Coil_LTE Band 25_20M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch26340 (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)

Ch26340/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

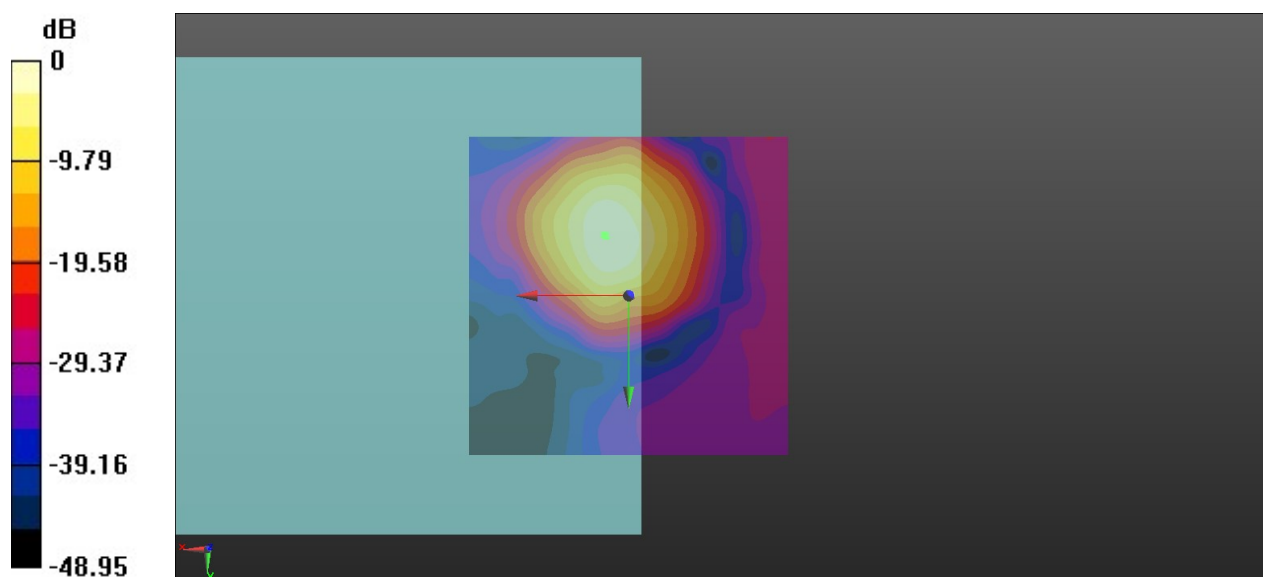
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.21 dB

ABM1 comp = -0.16 dBA/m

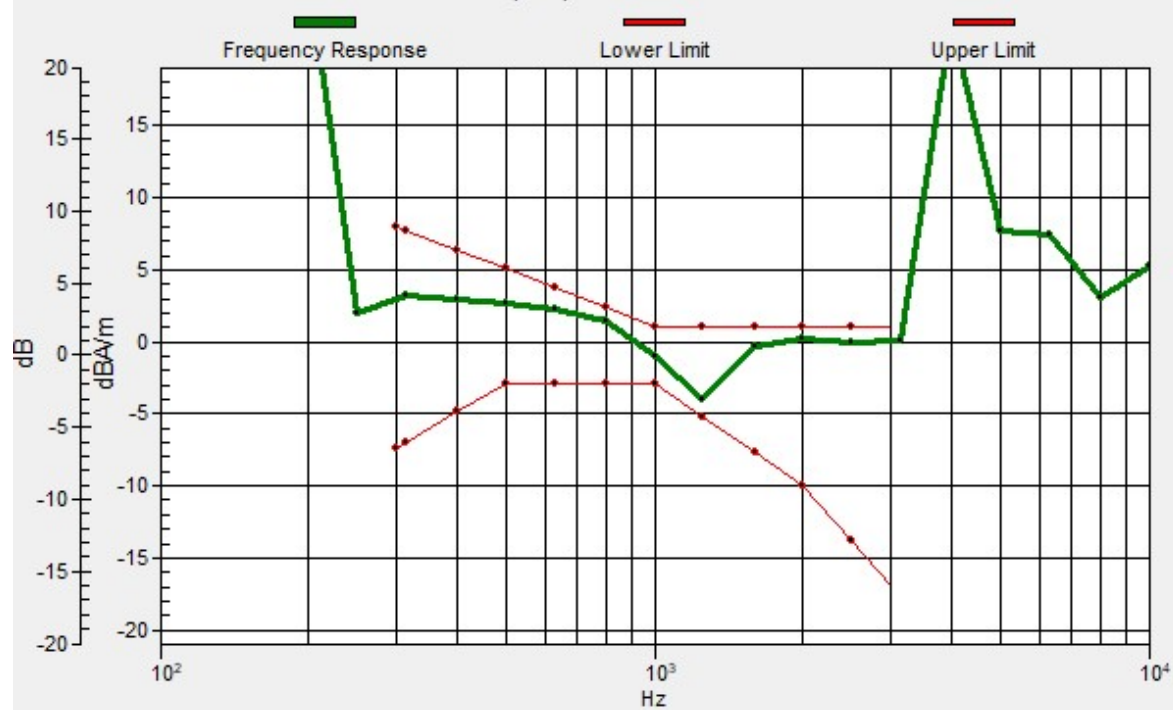
BWC Factor = 0.16 dB

Location: 3.8, -9.6, 3.7 mm



Ch26340/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.6, -9.4, 3.7 mm Diff: 0.81dB



16_HAC_T-Coil_LTE Band 25_20M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch26340 (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)

Ch26340/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

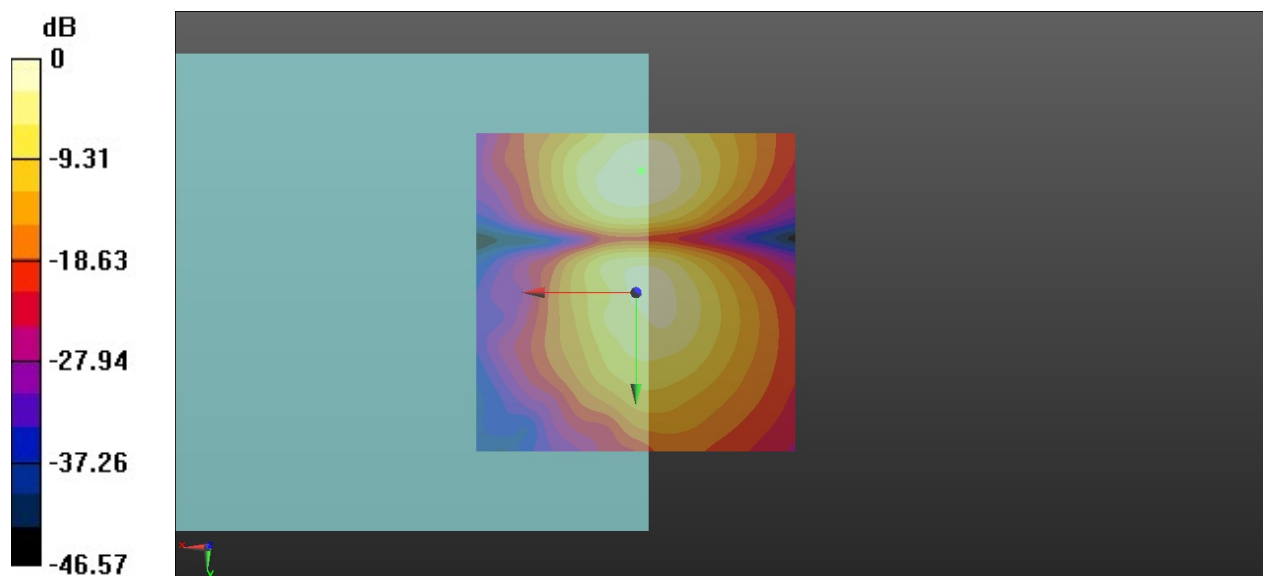
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.81 dB

ABM1 comp = -10.73 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -19.2, 3.7 mm



0 dB = 123.2 = 41.81 dB

17_HAC_T-Coil_LTE Band 26_15M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch26865 (Z)

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

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

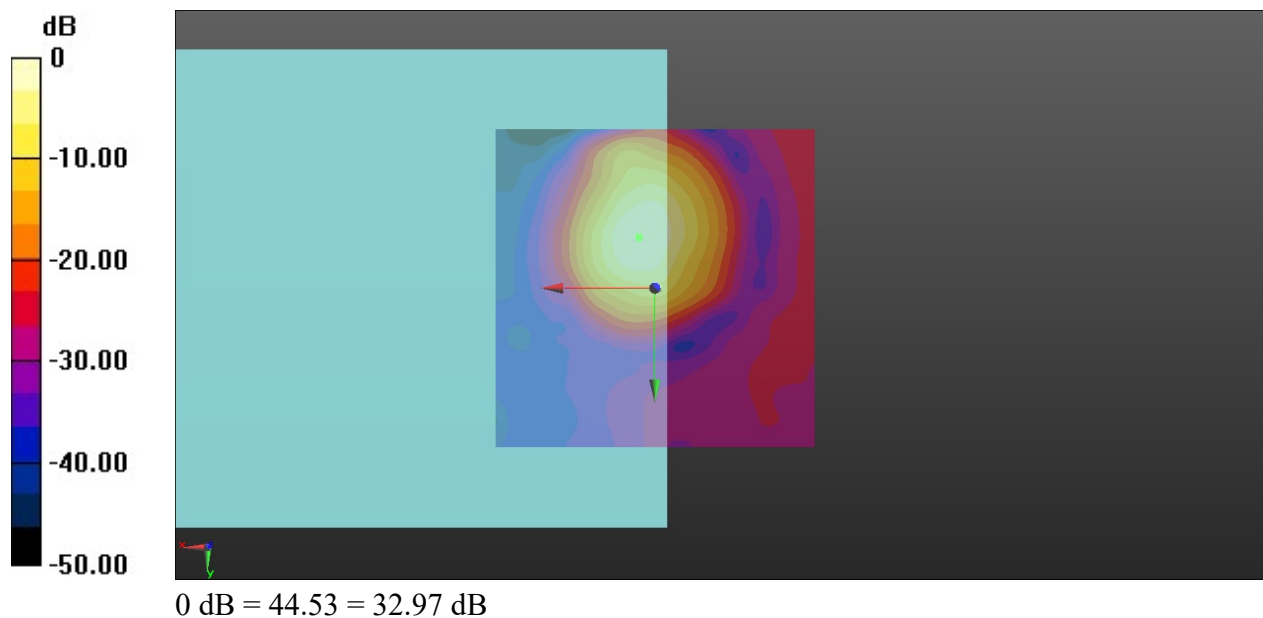
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.97 dB

ABM1 comp = -6.51 dBA/m

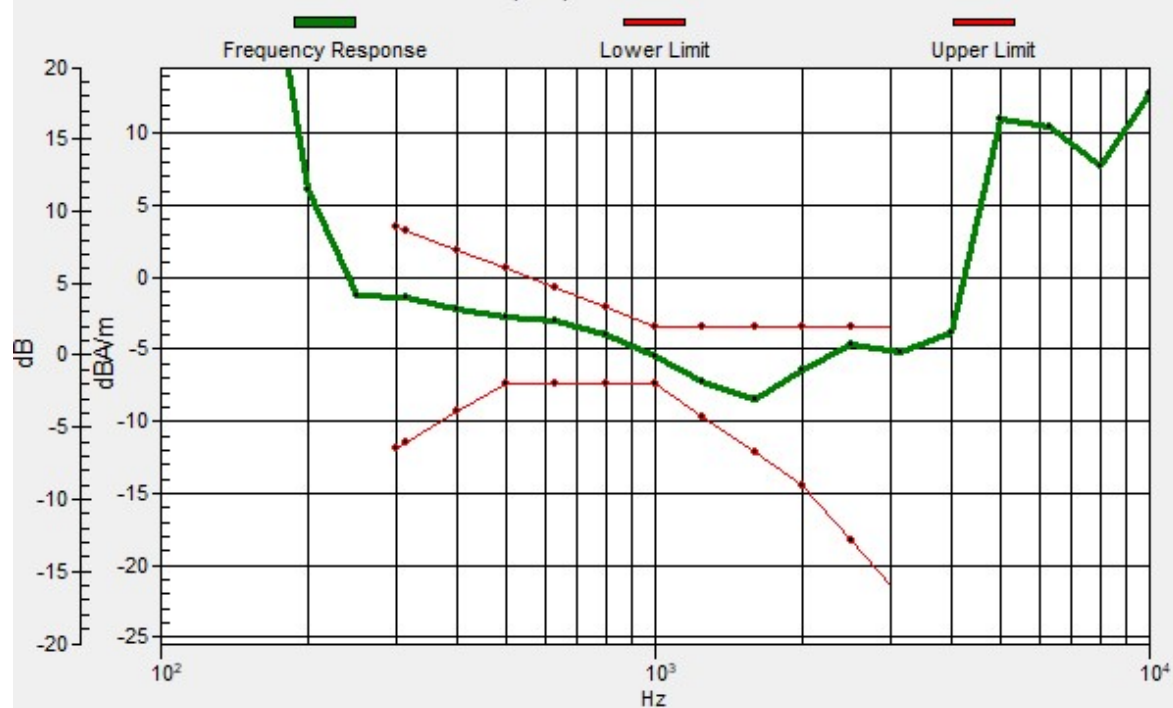
BWC Factor = 0.16 dB

Location: 2.5, -7.9, 3.7 mm



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

Loc: 2.4, -8.1, 3.7 mm Diff: 1.21dB



17_HAC_T-Coil_LTE Band 26_15M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch26865 (Y)

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

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

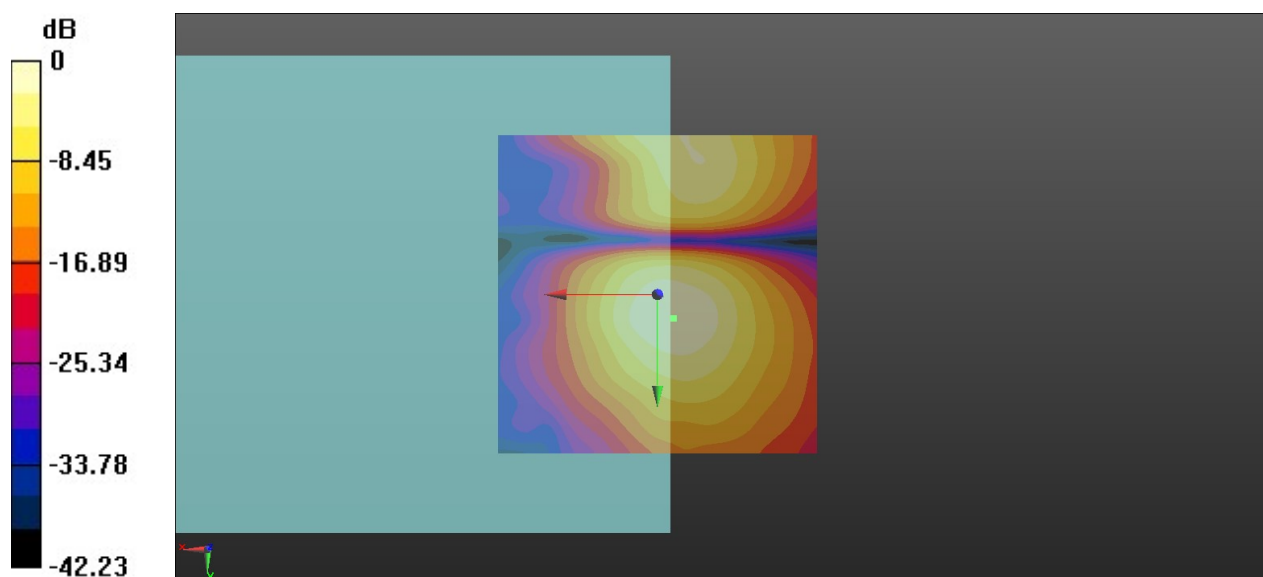
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.63 dB

ABM1 comp = -16.82 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, 3.7, 3.7 mm



0 dB = 48.04 = 33.63 dB

18_HAC_T-Coil_LTE Band 66_20M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch132322 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 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)

Ch132322/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

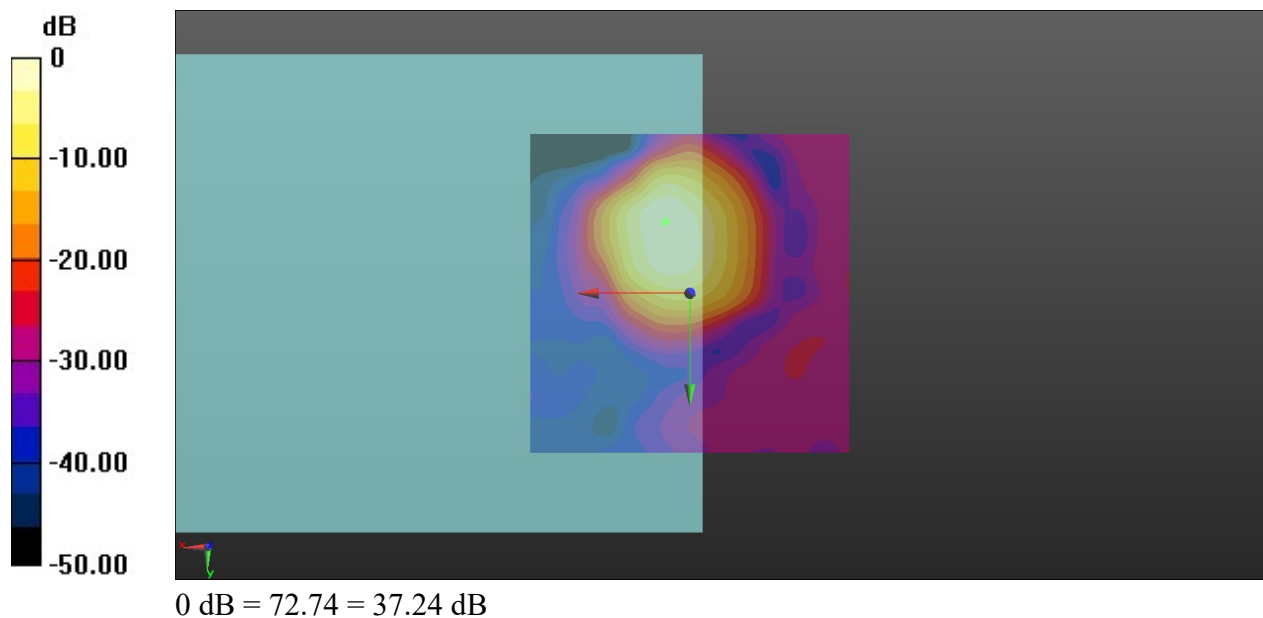
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.24 dB

ABM1 comp = -4.73 dBA/m

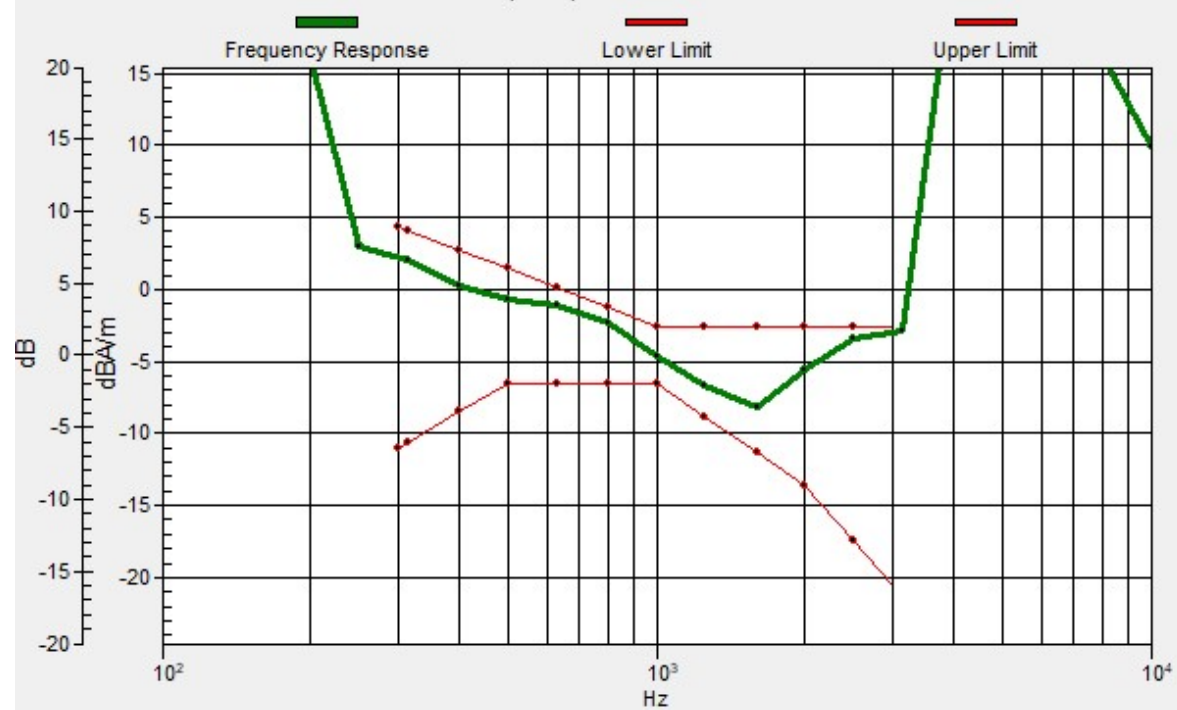
BWC Factor = 0.16 dB

Location: 3.8, -11.3, 3.7 mm



Ch132322/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.9, -11.2, 3.7 mm Diff: 0.39dB



18_HAC_T-Coil_LTE Band 66_20M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch132322 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 1745 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)

Ch132322/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

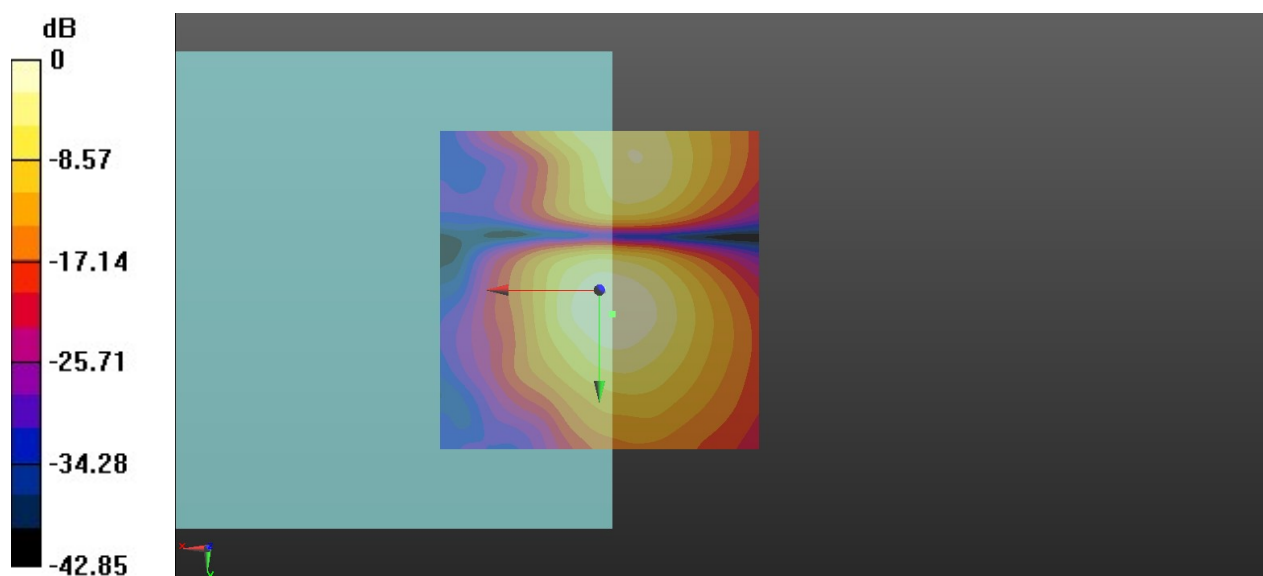
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.36 dB

ABM1 comp = -16.51 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, 3.7, 3.7 mm



0 dB = 52.22 = 34.36 dB

19_HAC_T-Coil_LTE Band 71_20M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch133322 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 683 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)

Ch133322/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

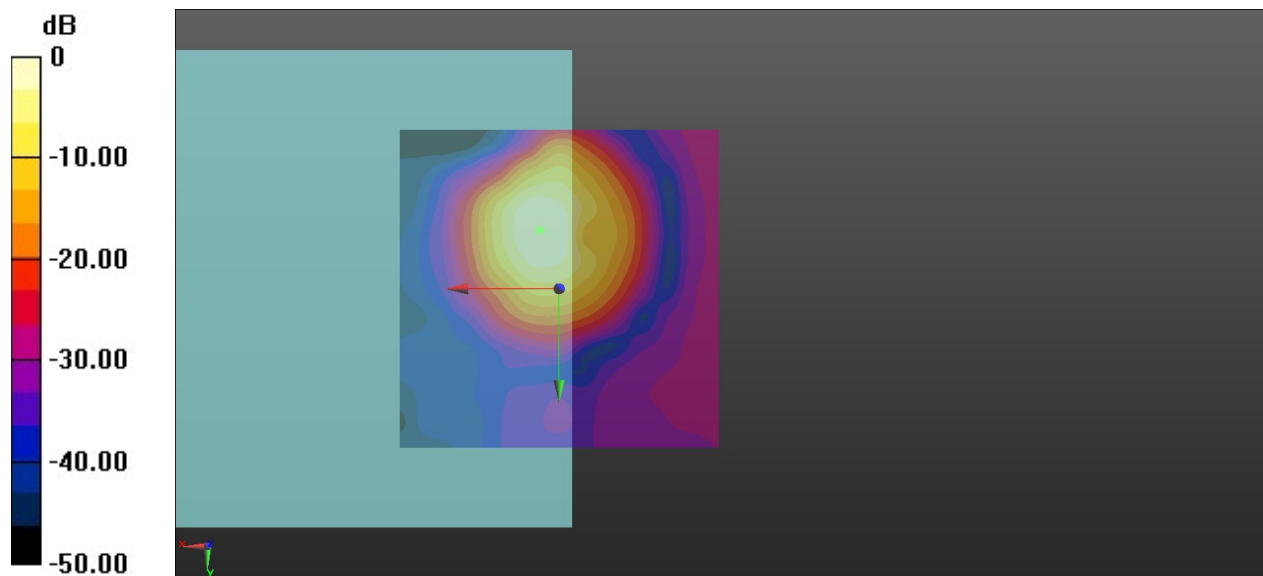
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.78 dB

ABM1 comp = -5.85 dBA/m

BWC Factor = 0.16 dB

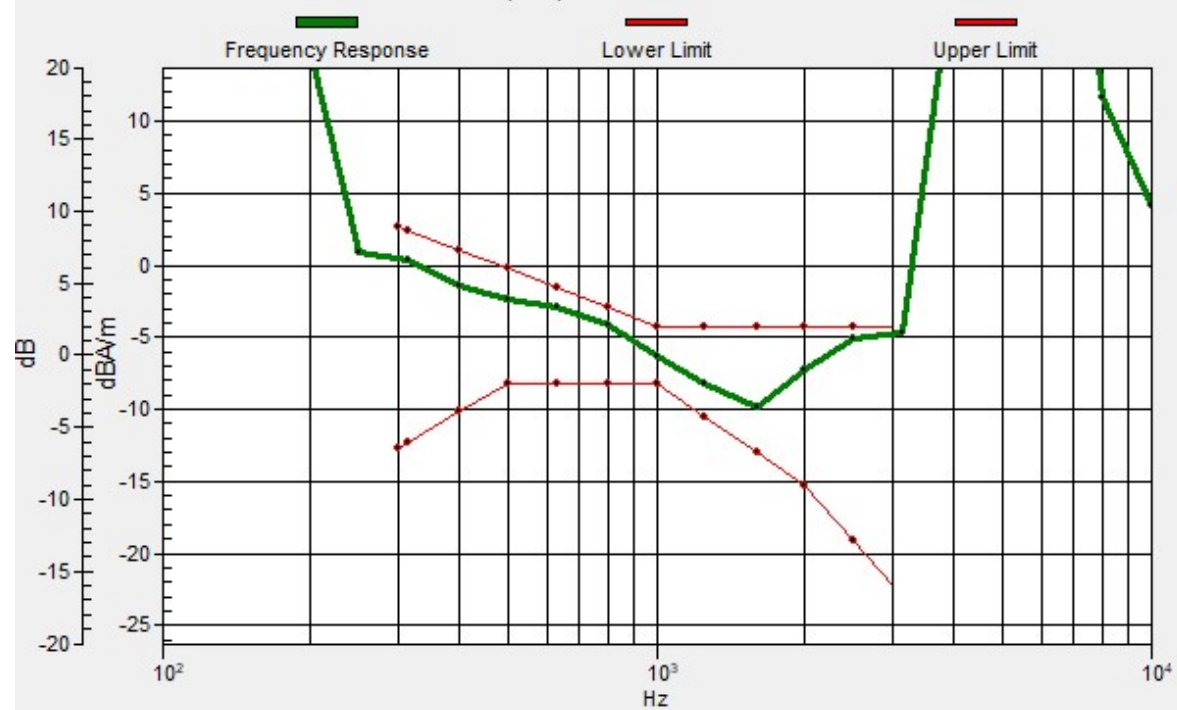
Location: 2.9, -9.2, 3.7 mm



0 dB = 69.05 = 36.78 dB

Ch133322/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3, -9.2, 3.7 mm Diff: 0.52dB



19_HAC_T-Coil_LTE Band 71_20M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch133322 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 683 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)

Ch133322/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

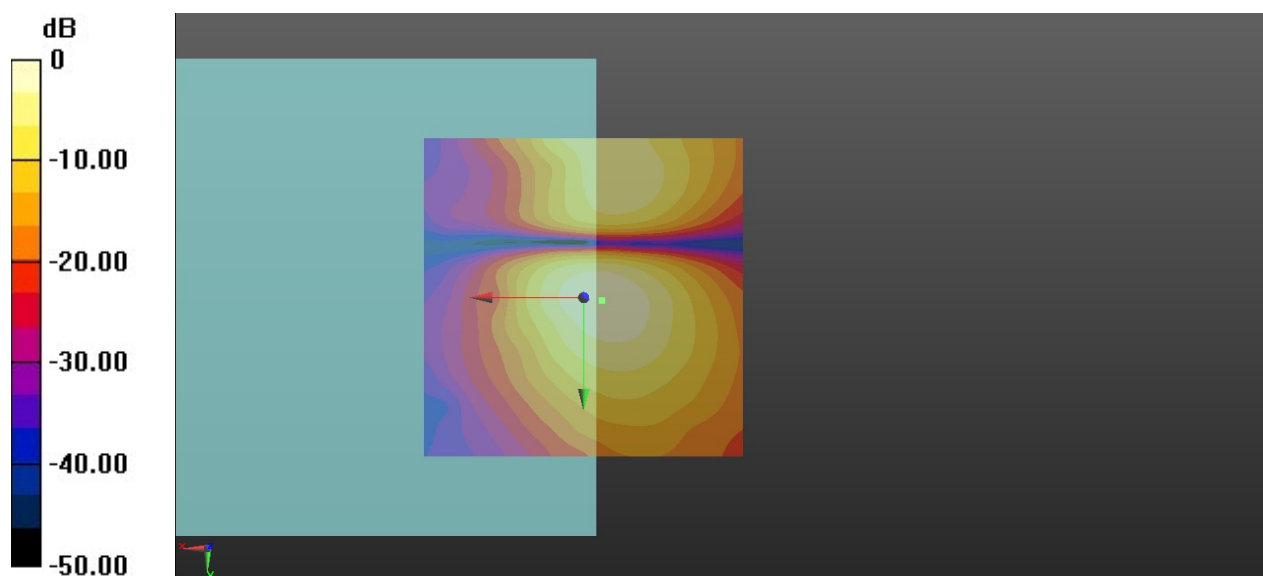
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.83 dB

ABM1 comp = -16.42 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, 0.4, 3.7 mm



20_HAC_T-Coil_LTE Band 38_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch38000 (Z)

Communication System: UID 0, LTE-TDD (0); Frequency: 2595 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.2 °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)

Ch38000/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

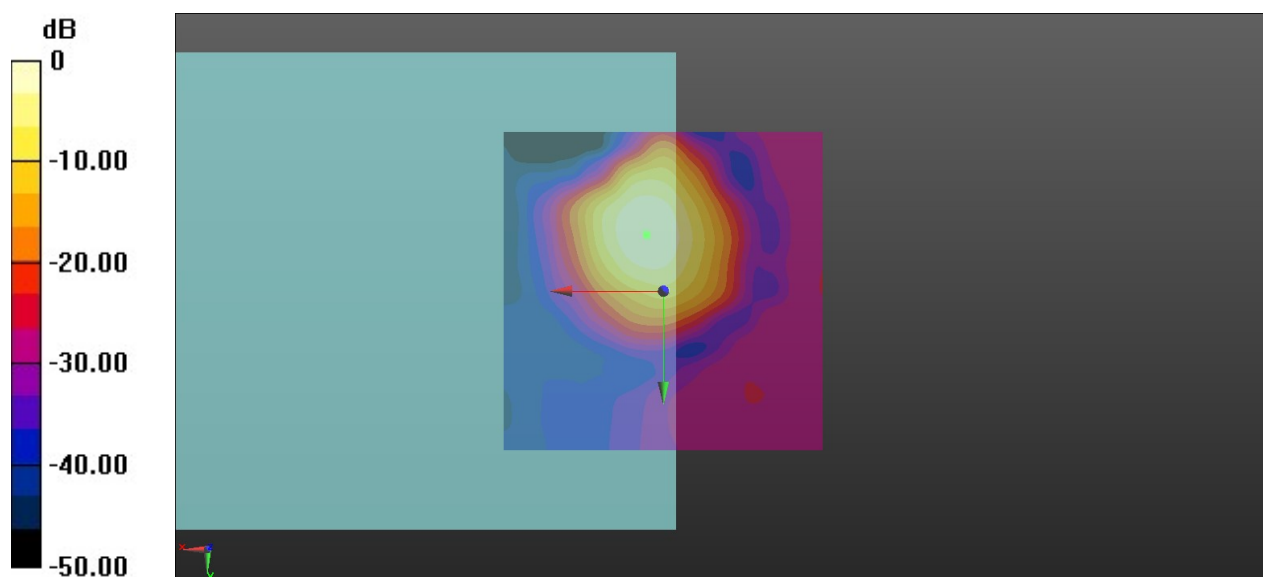
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.18 dB

ABM1 comp = -1.16 dBA/m

BWC Factor = 0.16 dB

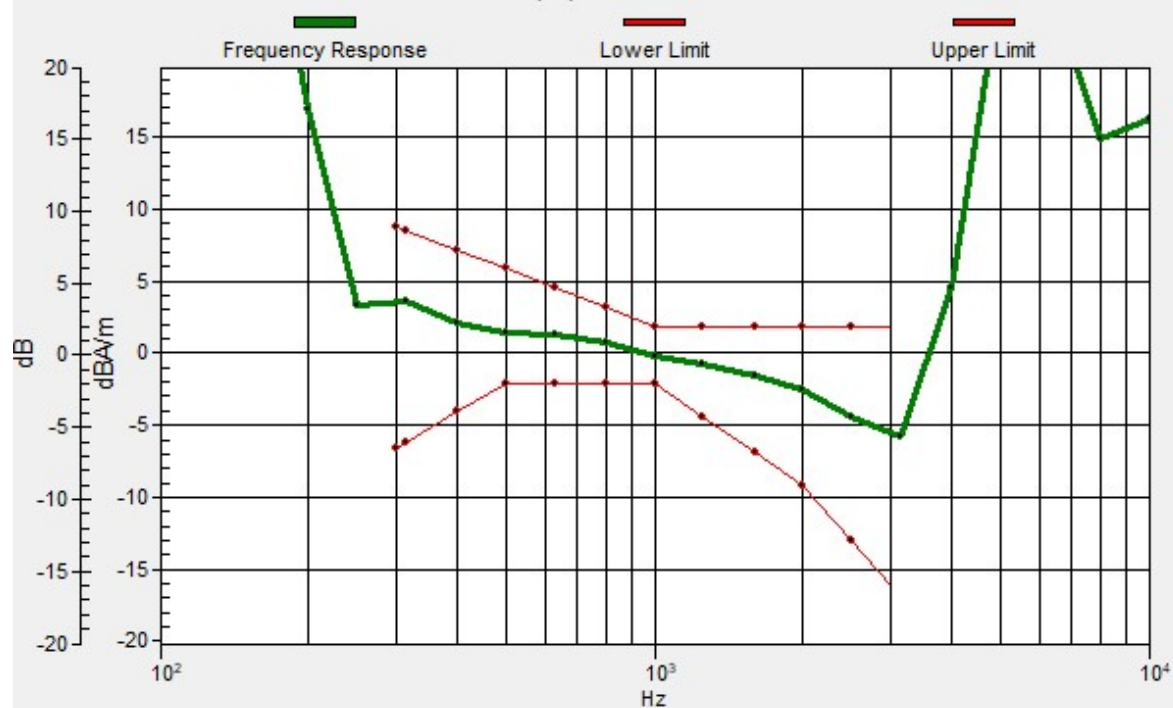
Location: 2.5, -8.8, 3.7 mm



0 dB = 81.08 = 38.18 dB

Ch38000/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 2.7, -9, 3.7 mm Diff: 2dB



20_HAC_T-Coil_LTE Band 38_20M_16QAM_1RB_0Offset_EVS WB 128Kbps_Ch38000 (Y)

Communication System: UID 0, LTE-TDD (0); Frequency: 2595 MHz; Duty Cycle: 1:1.59038

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)

Ch38000/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

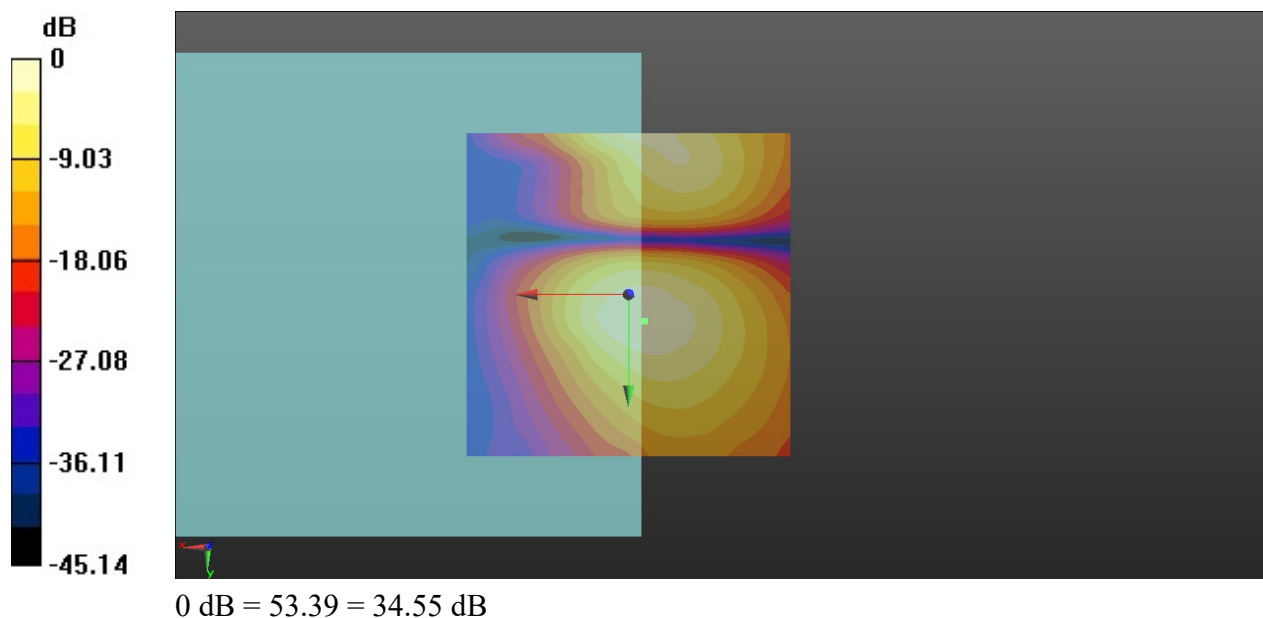
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.55 dB

ABM1 comp = -13.61 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, 4.2, 3.7 mm



21_HAC_T-Coil_LTE Band 41_20M_16QAM_1RB_0Offset_NB AMR 4.75Kbps_Ch40620 (Z)

Communication System: UID 0, LTE-TDD (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 : 23.2 °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)

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

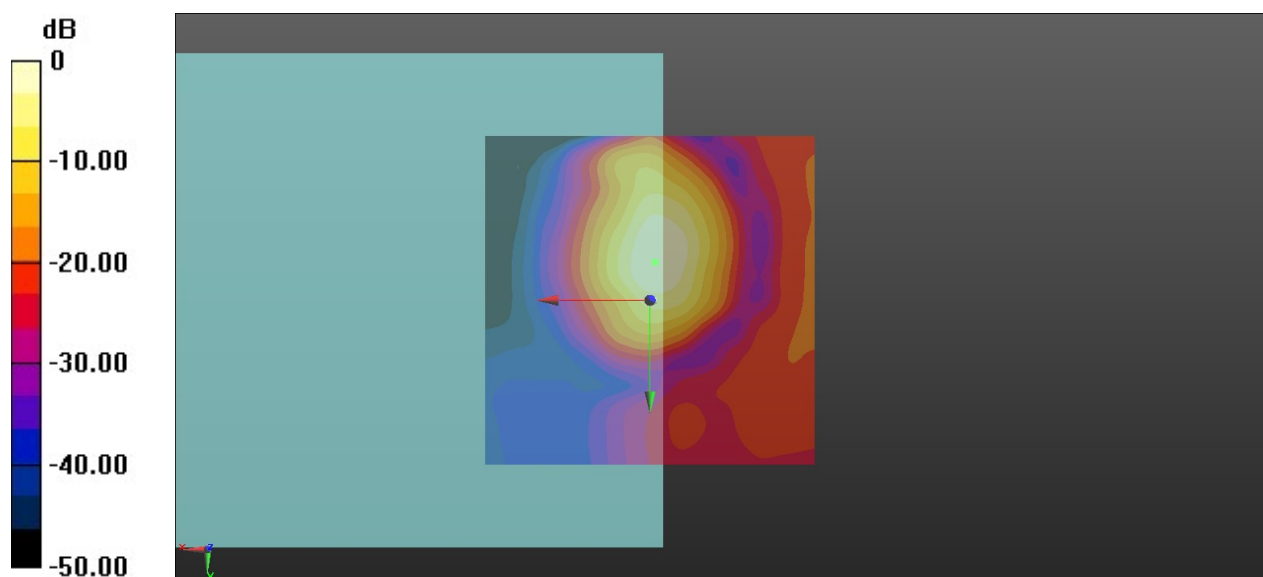
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.67 dB

ABM1 comp = -5.44 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -5.8, 3.7 mm



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

Loc: 0, 360, 13 mm Diff: 1.39dB

