

6_HAC_T-Coil_LTE Band 2_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

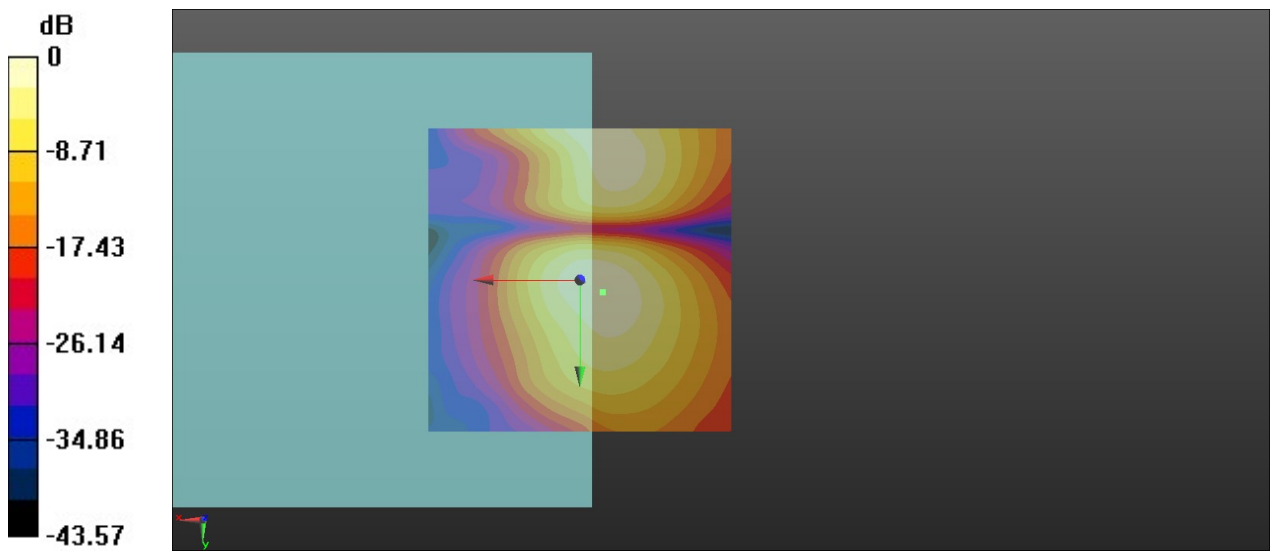
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.90 dB

ABM1 comp = -13.42 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, 2.1, 3.7 mm



0 dB = 70.00 = 36.90 dB

7_HAC_T-Coil_LTE Band 4_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

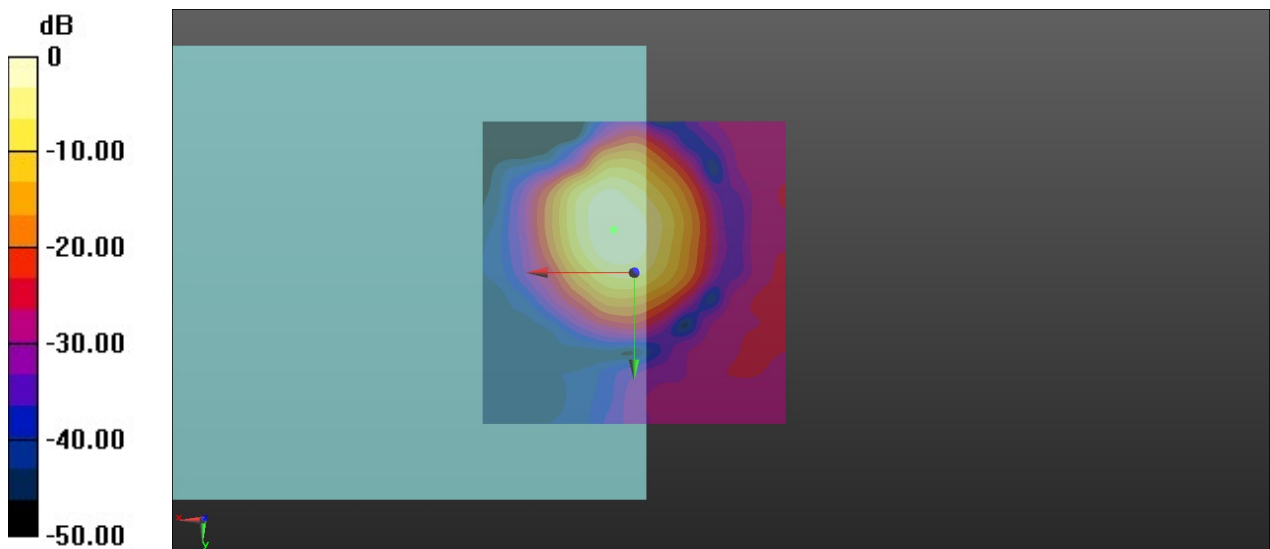
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.23 dB

ABM1 comp = -1.19 dBA/m

BWC Factor = 0.15 dB

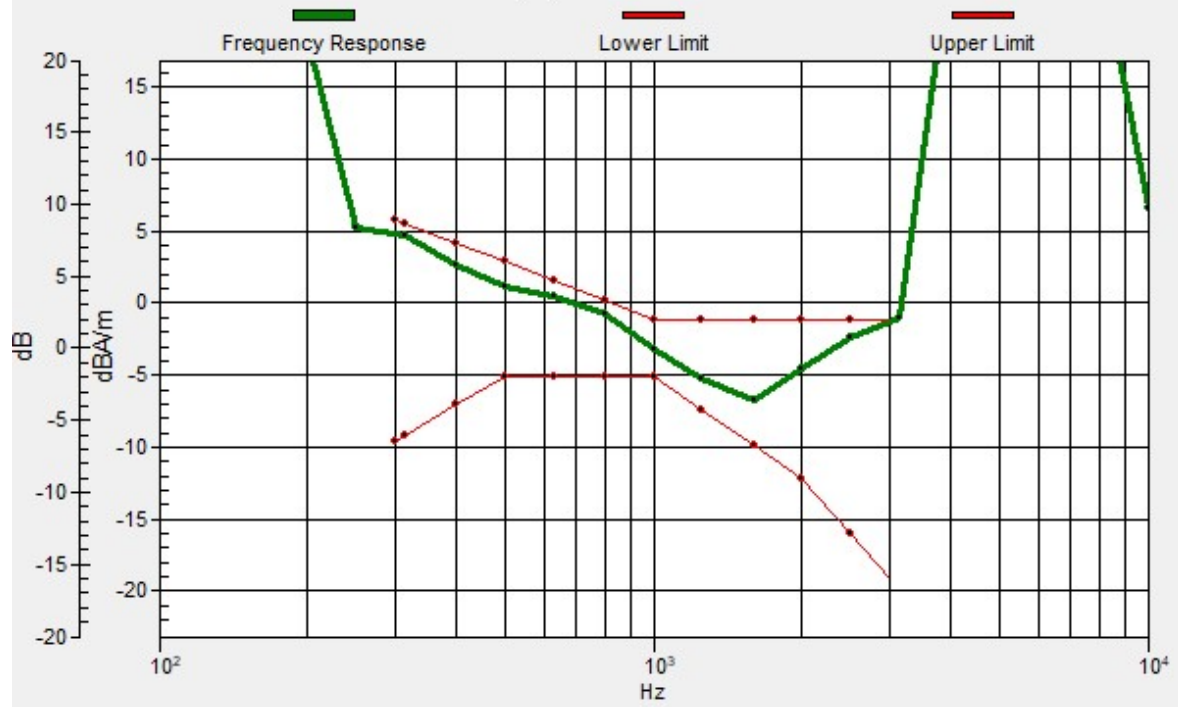
Location: 3.3, -7.1, 3.7 mm



0 dB = 129.3 = 42.23 dB

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

Loc: 3.4, -7, 3.7 mm Diff: 0.25dB



7_HAC_T-Coil_LTE Band 4_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

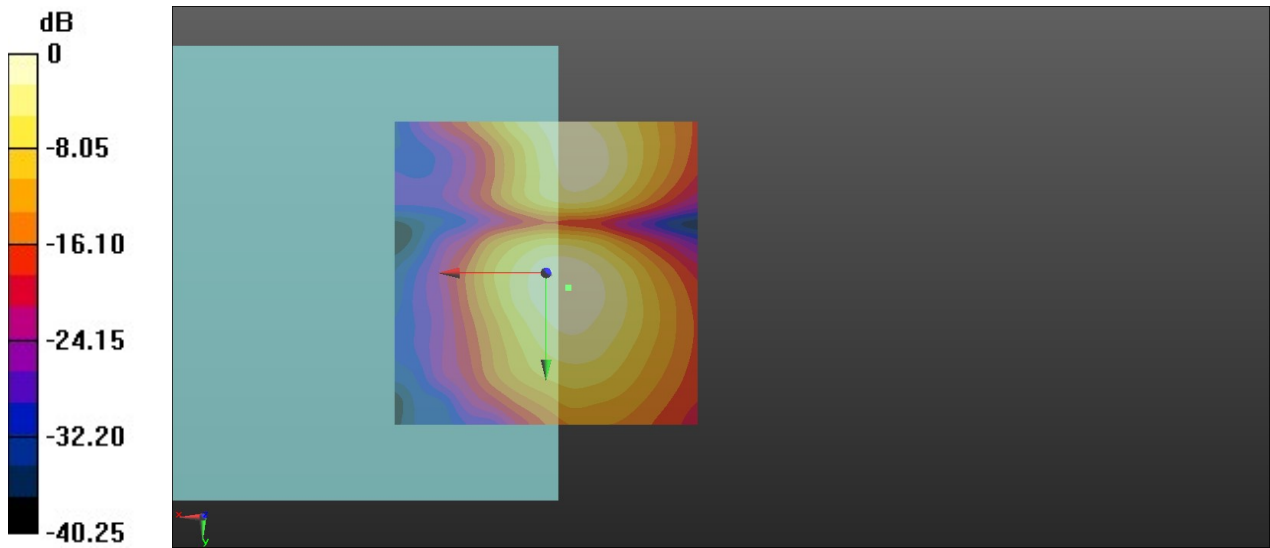
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.68 dB

ABM1 comp = -13.62 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, 2.5, 3.7 mm



0 dB = 68.20 = 36.68 dB

8_HAC_T-Coil_LTE Band 5_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

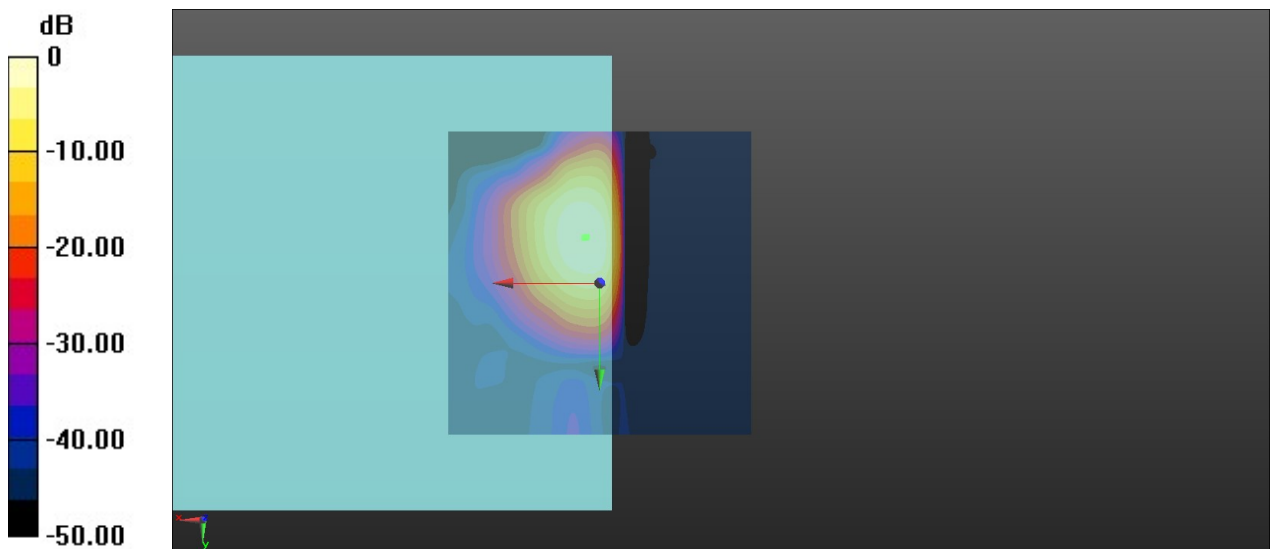
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.83 dB

ABM1 comp = -1.98 dBA/m

BWC Factor = 0.15 dB

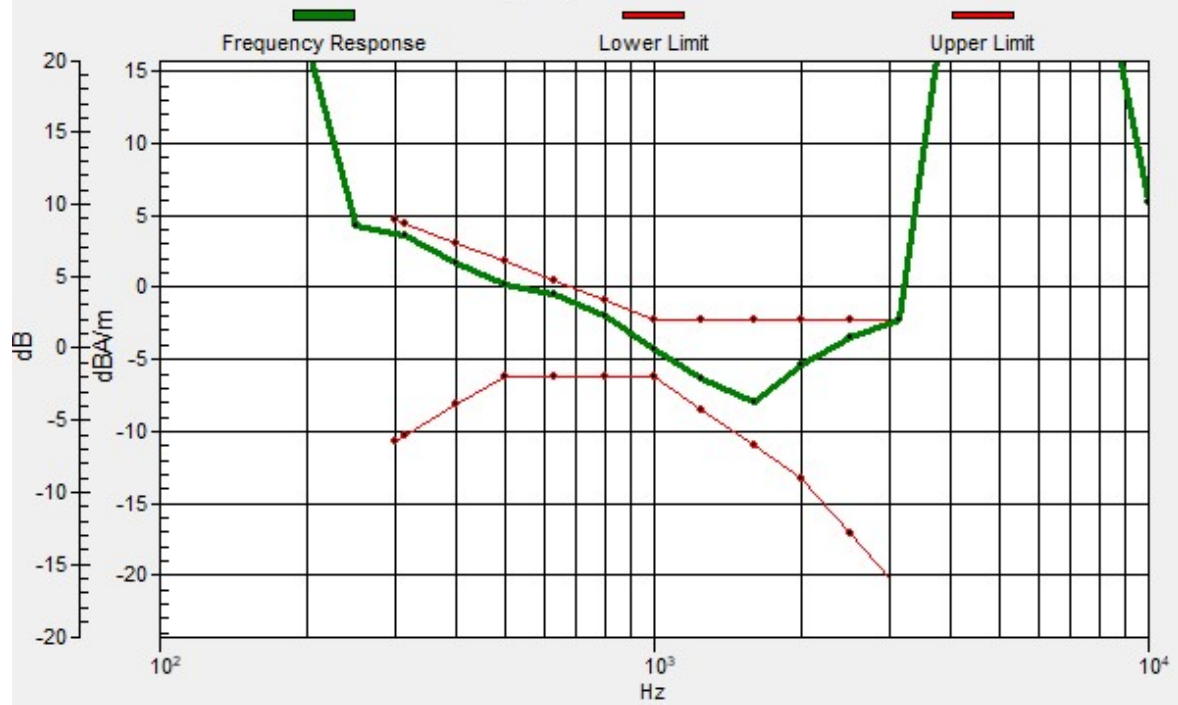
Location: 2.5, -7.5, 3.7 mm



0 dB = 123.5 = 41.83 dB

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

Loc: 2.1, -7.6, 3.7 mm Diff: 0.27dB



8_HAC_T-Coil_LTE Band 5_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

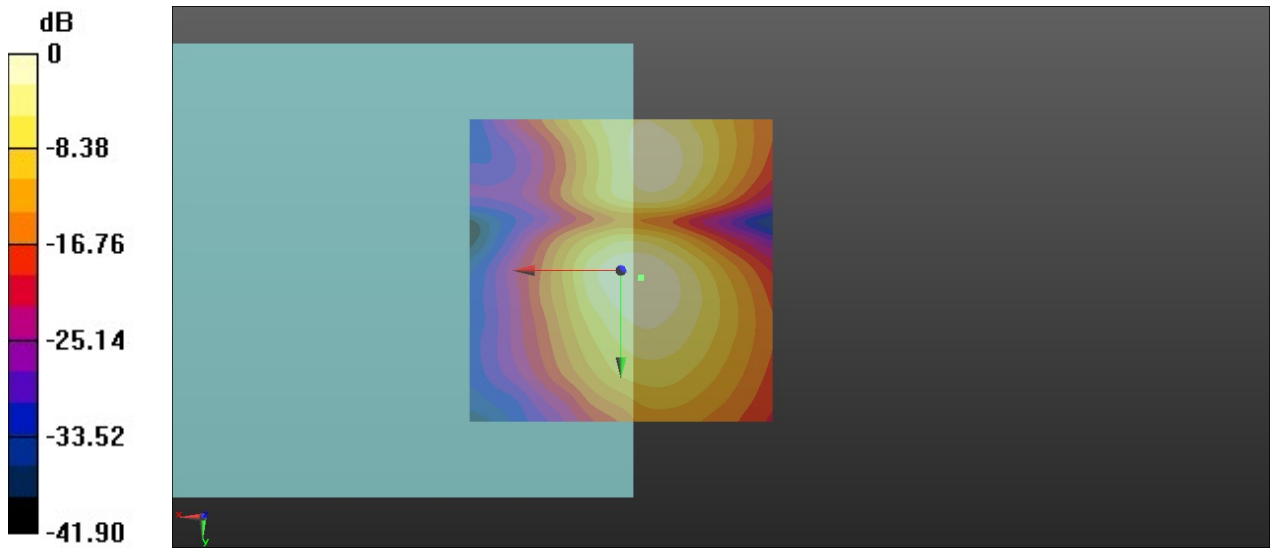
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.33 dB

ABM1 comp = -13.84 dBA/m

BWC Factor = 0.15 dB

Location: -3.3, 1.2, 3.7 mm



0 dB = 65.54 = 36.33 dB

9_HAC_T-Coil_LTE Band 12_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

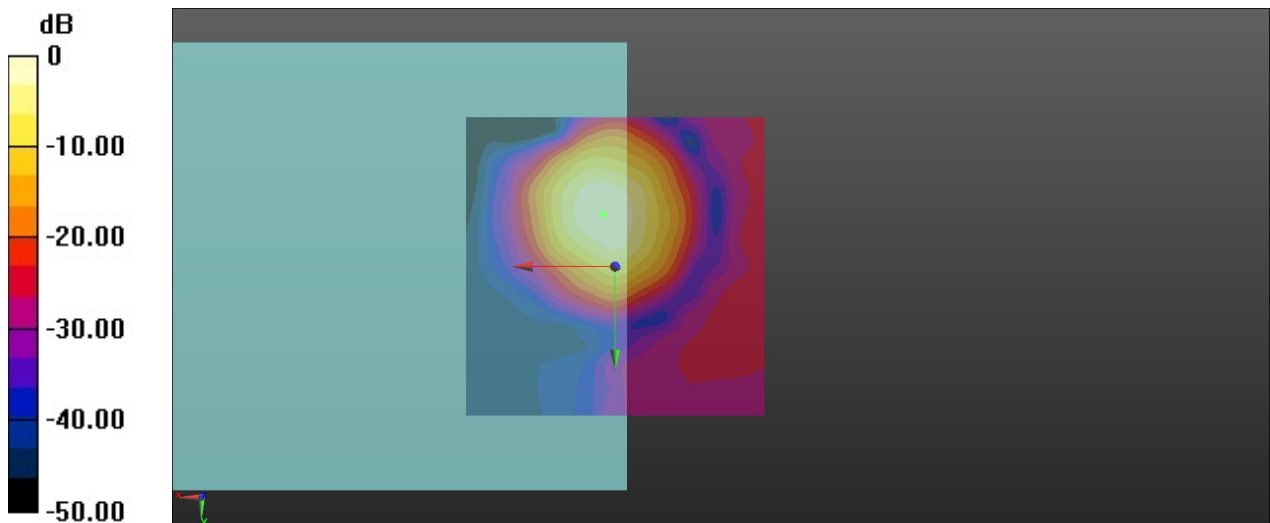
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.40 dB

ABM1 comp = -1.43 dBA/m

BWC Factor = 0.15 dB

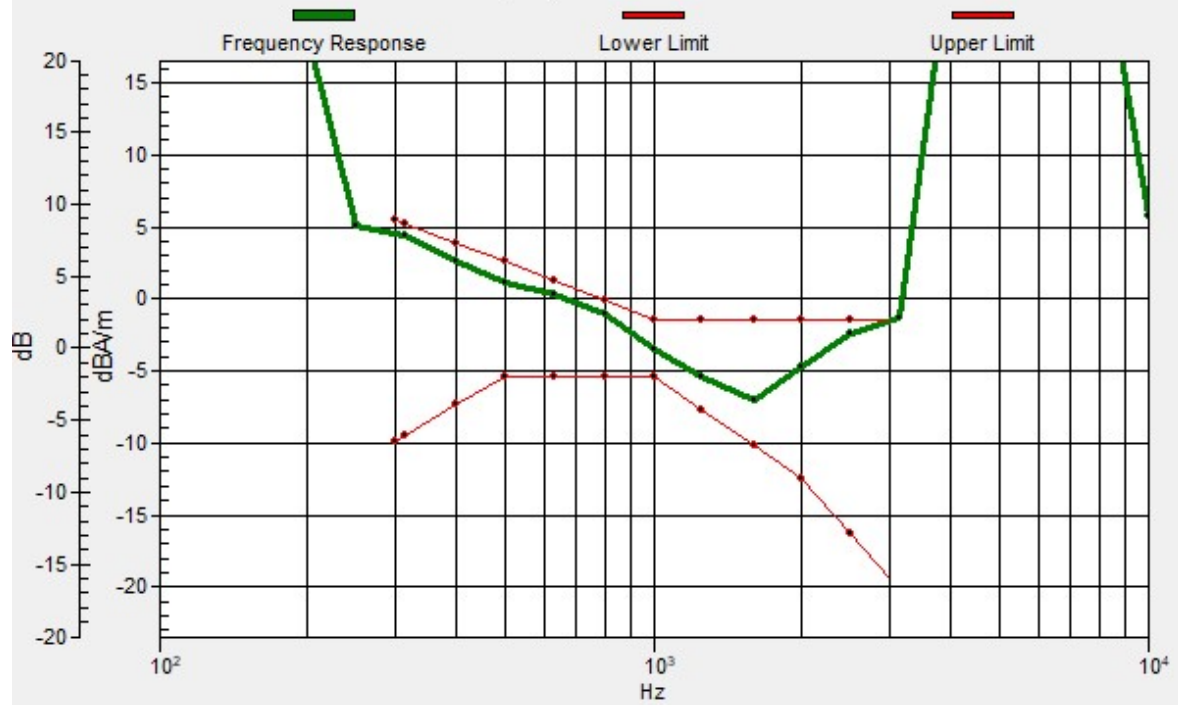
Location: 2.1, -8.8, 3.7 mm



0 dB = 131.9 = 42.40 dB

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

Loc: 2, -8.6, 3.7 mm Diff: 0.09dB



9_HAC_T-Coil_LTE Band 12_1.4M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_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):

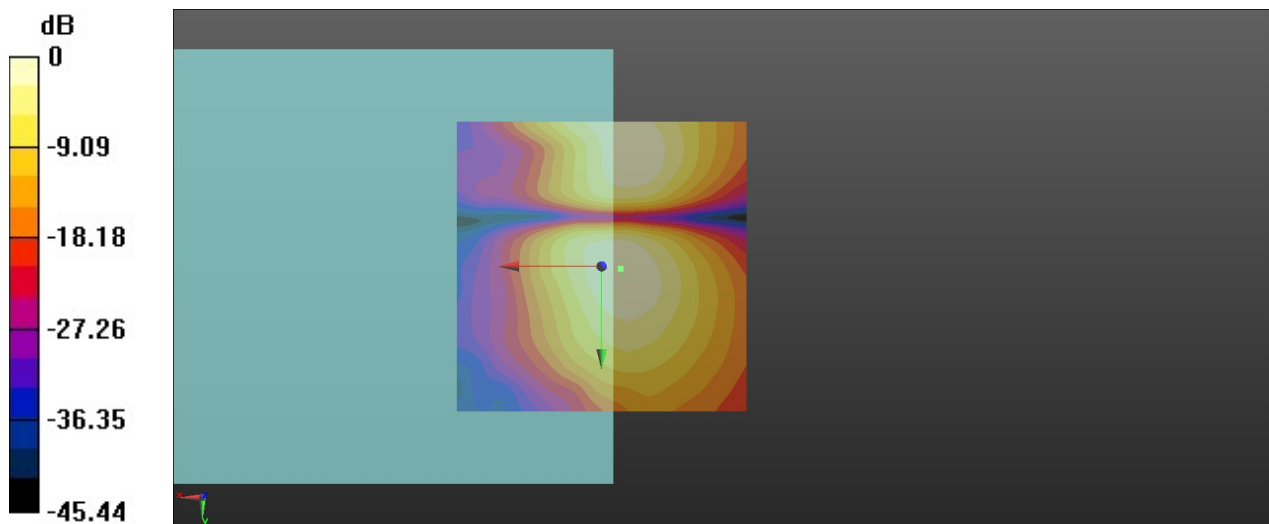
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.19 dB

ABM1 comp = -13.01 dBA/m

BWC Factor = 0.15 dB

Location: -3.3, 0.4, 3.7 mm



0 dB = 72.38 = 37.19 dB

10_HAC_T-Coil_LTE Band 14_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23330 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 793 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)

Ch23330/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

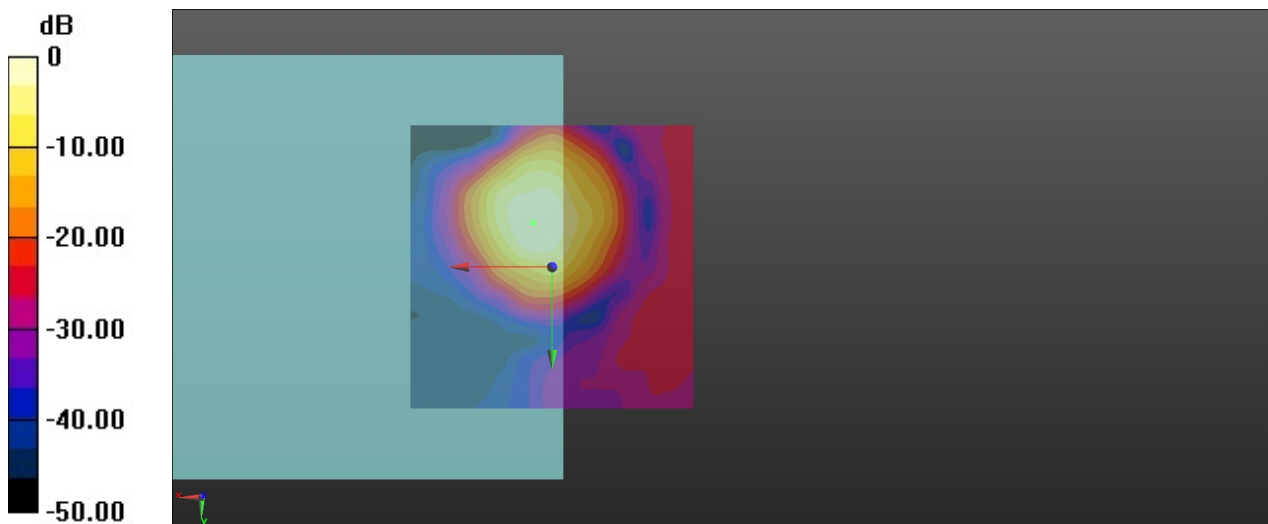
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.10 dB

ABM1 comp = -1.13 dBA/m

BWC Factor = 0.15 dB

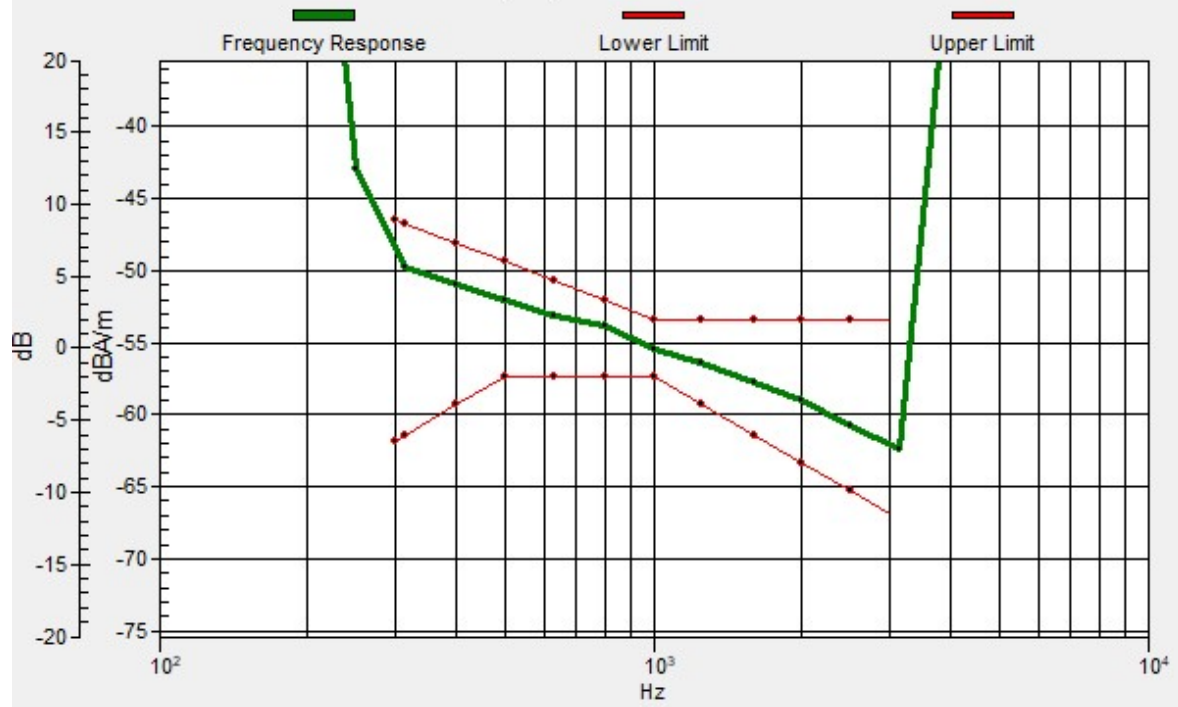
Location: 3.3, -7.9, 3.7 mm



0 dB = 127.4 = 42.10 dB

Ch23330/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, 360, 13 mm Diff: 1.72dB



10_HAC_T-Coil_LTE Band 14_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch23330 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 793 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)

Ch23330/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

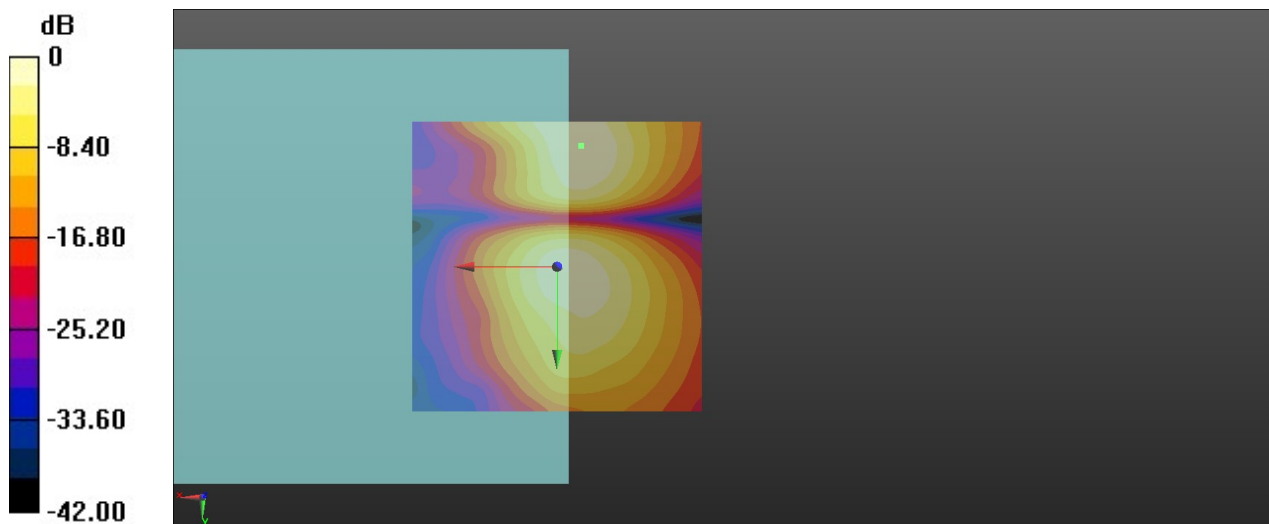
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.70 dB

ABM1 comp = -15.76 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -20.8, 3.7 mm



0 dB = 68.39 = 36.70 dB

11_HAC_T-Coil_LTE Band 30_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch27710 (Z)

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 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)

Ch27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

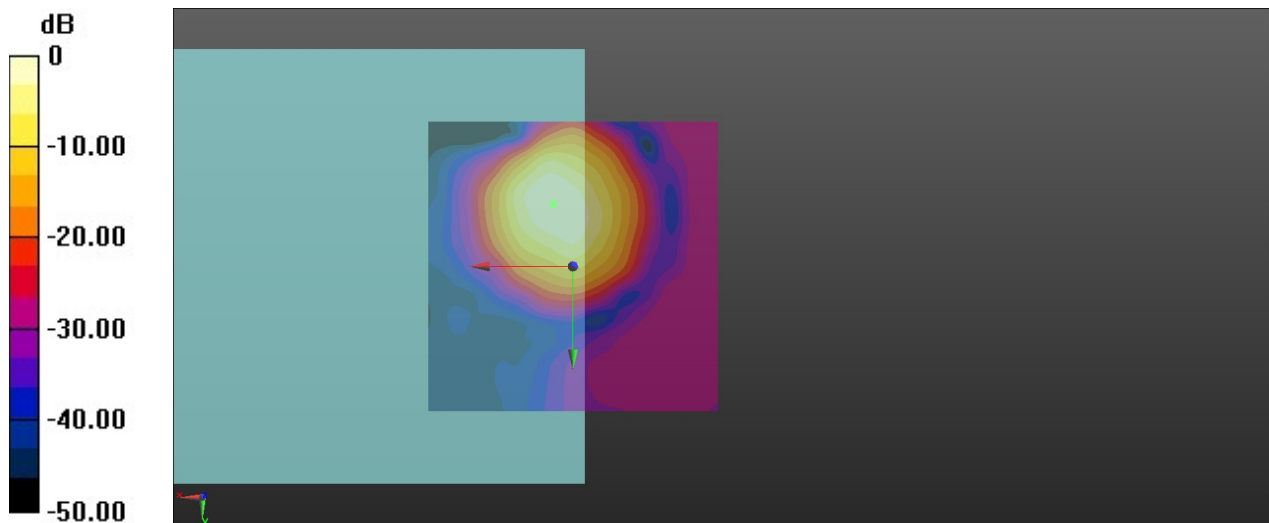
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.25 dB

ABM1 comp = -1.35 dBA/m

BWC Factor = 0.15 dB

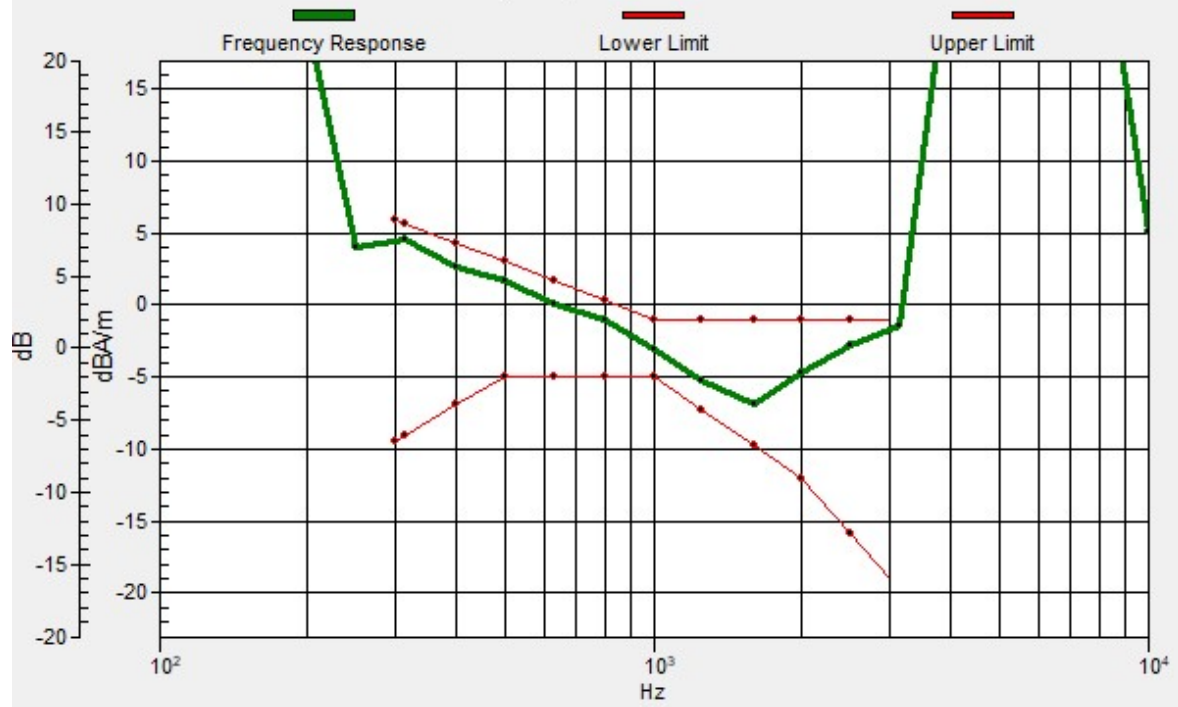
Location: 3.3, -10.8, 3.7 mm



0 dB = 129.5 = 42.25 dB

Ch27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.4, -10.7, 3.7 mm Diff: 0.77dB



11_HAC_T-Coil_LTE Band 30_5M_16QAM_1RB_0Offset_WB AMR 23.85Kbps_Ch27710 (Y)

Communication System: UID 0, LTE-FDD (0); Frequency: 2310 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)

Ch27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

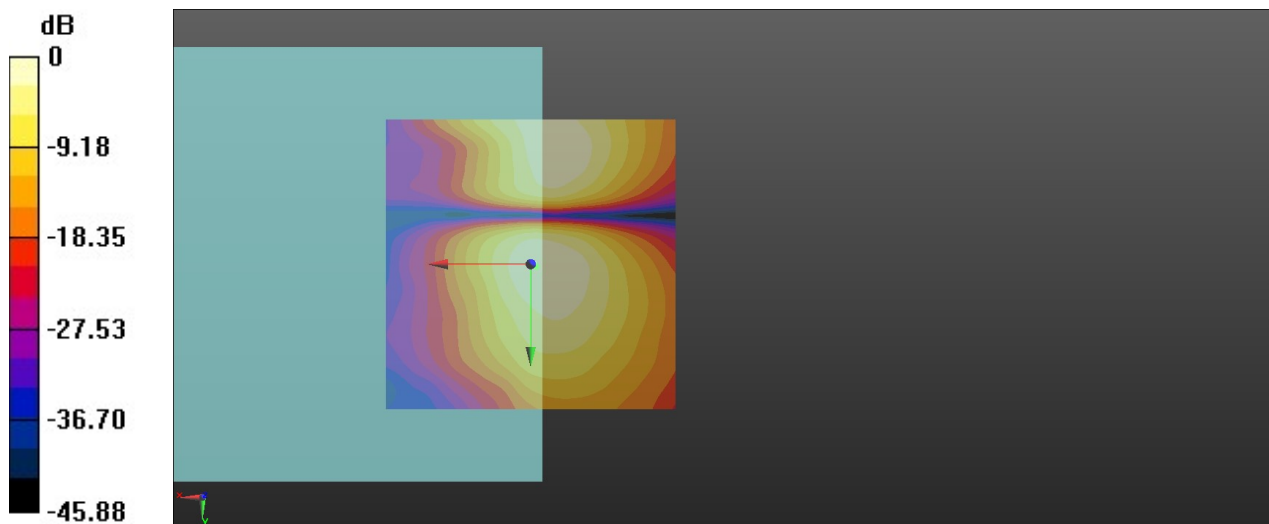
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.49 dB

ABM1 comp = -12.07 dBA/m

BWC Factor = 0.15 dB

Location: -0.8, 0.4, 3.7 mm



0 dB = 66.73 = 36.49 dB

12_HAC_T-Coil_LTE Band 66_1.4M_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):

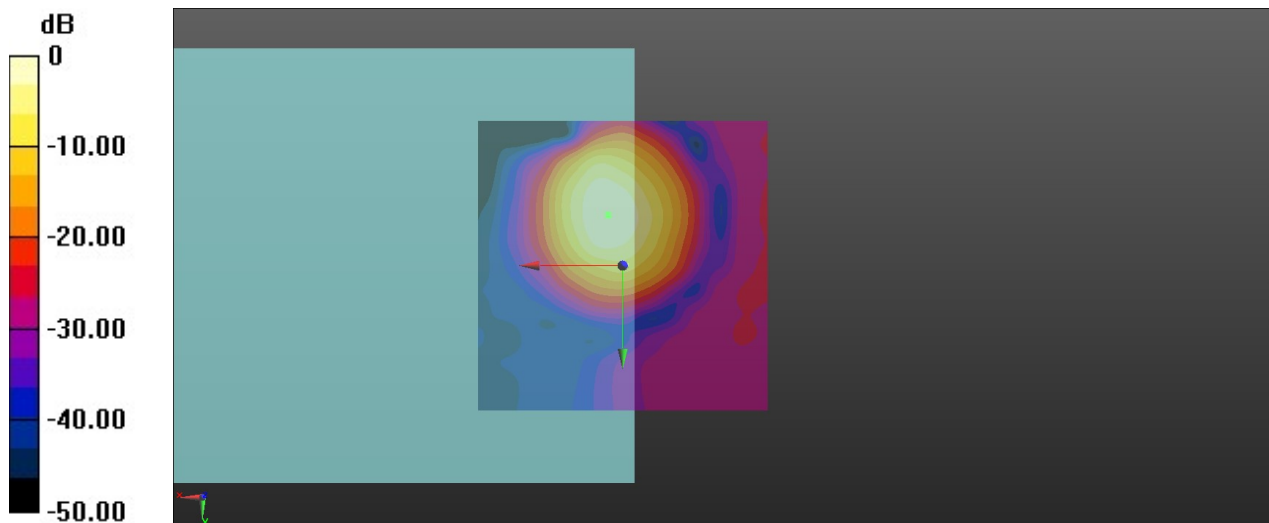
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.50 dB

ABM1 comp = -1.14 dBA/m

BWC Factor = 0.15 dB

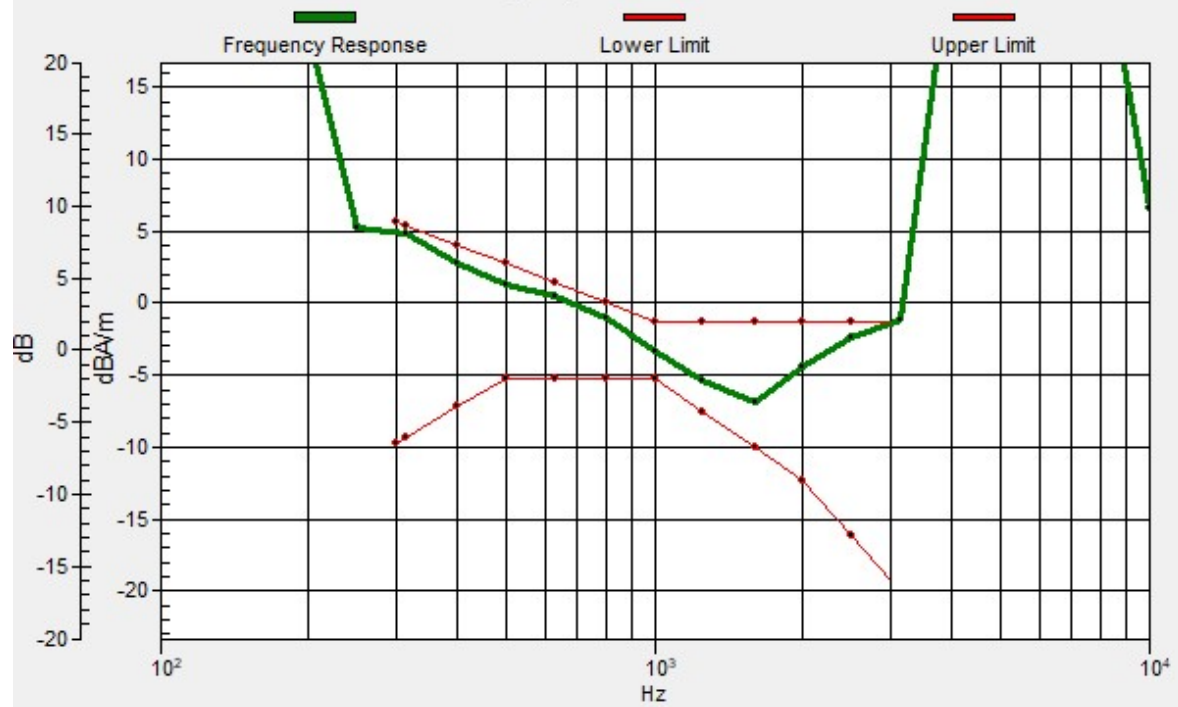
Location: 2.5, -8.8, 3.7 mm



0 dB = 118.8 = 41.50 dB

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

Loc: 2.5, -8.6, 3.7 mm Diff: 0.15dB



12_HAC_T-Coil_LTE Band 66_1.4M_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)

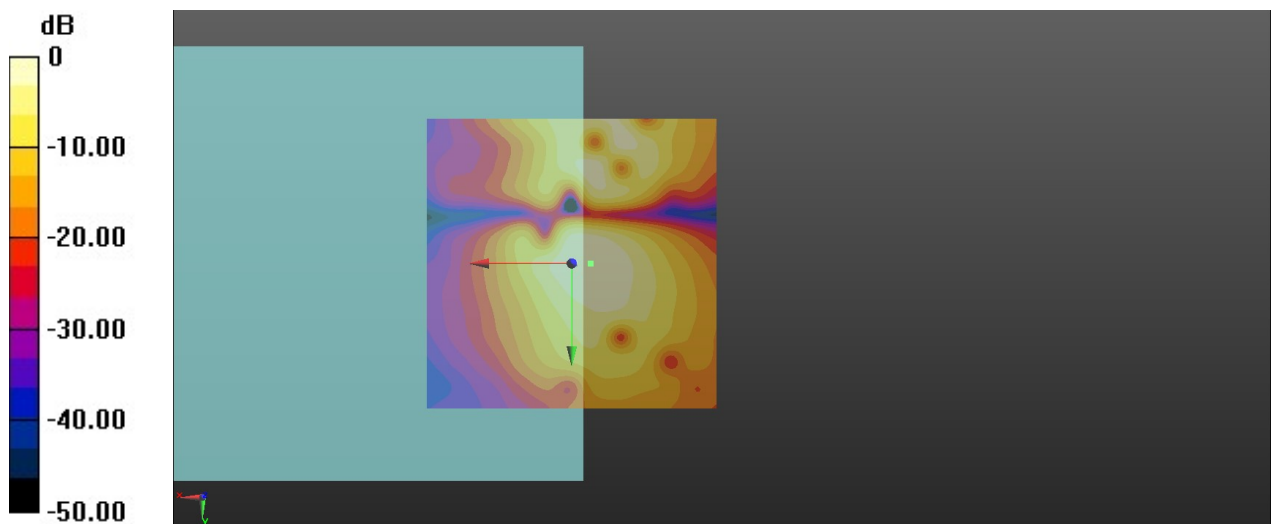
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.56 dB

ABM1 comp = -13.22 dBA/m

BWC Factor = 0.15 dB

Location: -3.3, 0, 3.7 mm



0 dB = 67.30 = 36.56 dB

13_HAC_T-Coil_WLAN2.4GHz_802.11g_6Mbps_Ch6 EVS WB 128Kbps (Z)

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0292

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)

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

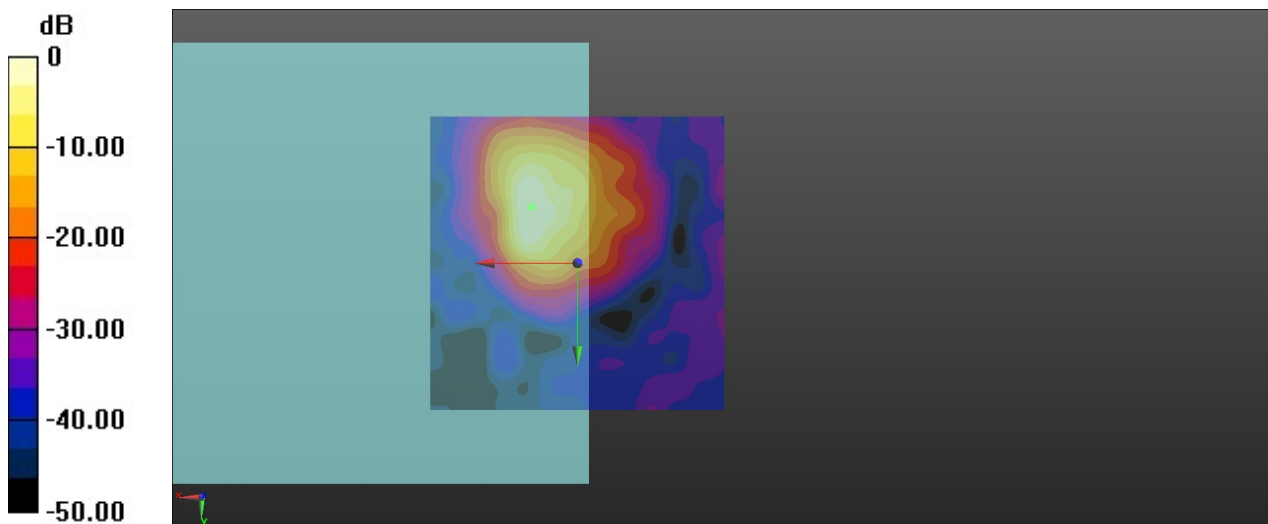
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.99 dB

ABM1 comp = -4.78 dBA/m

BWC Factor = 0.15 dB

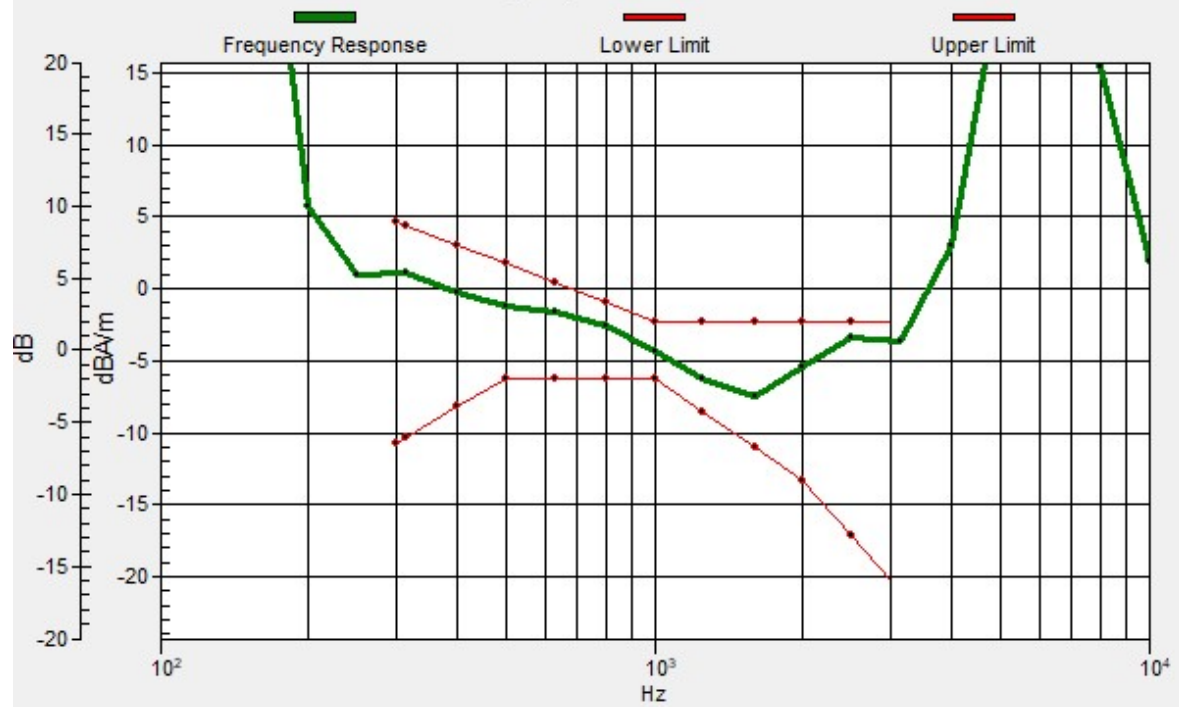
Location: 7.9, -9.6, 3.7 mm



0 dB = 79.35 = 37.99 dB

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

Loc: 7.8, -9.5, 3.7 mm Diff: 1.11dB



13_HAC_T-Coil_WLAN2.4GHz_802.11g_6Mbps_Ch6 EVS WB 128Kbps (Y)

Communication System: UID 0, 802.11g (0); Frequency: 2437 MHz; Duty Cycle: 1:1.0292

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)

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

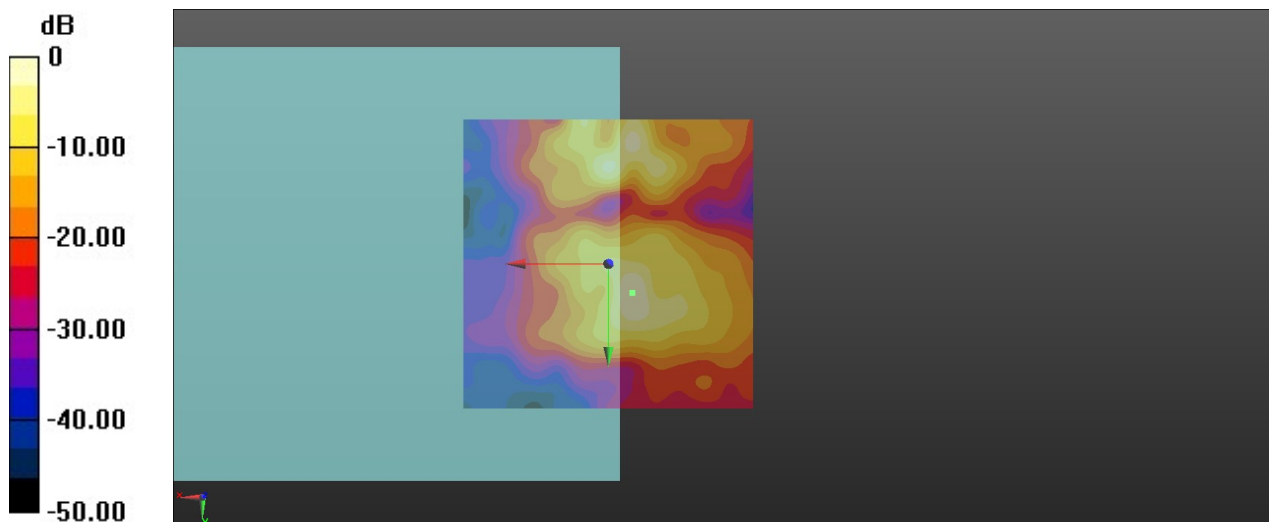
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.95 dB

ABM1 comp = -16.58 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 5, 3.7 mm



0 dB = 62.75 = 35.95 dB