

P04 T-Coil_WCDMA IV_Ch1413_AMR4.75kbps_Freq Resp

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

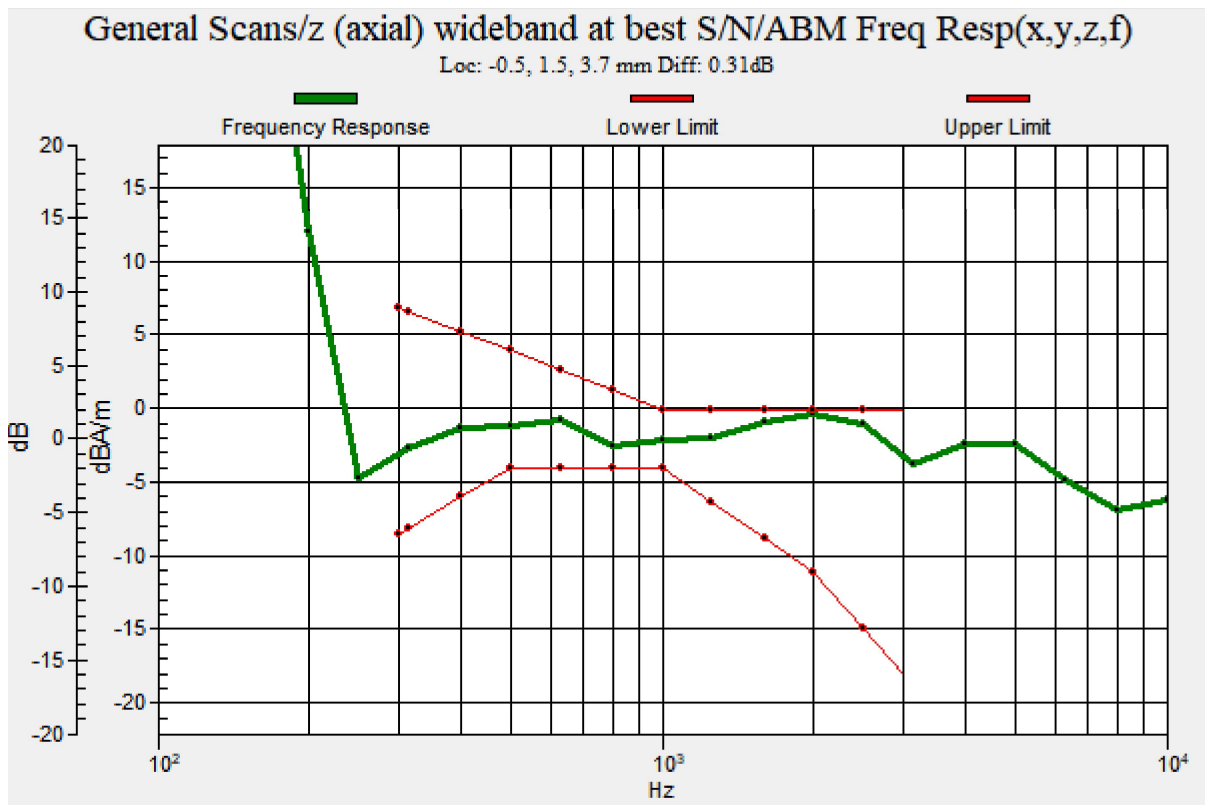
Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

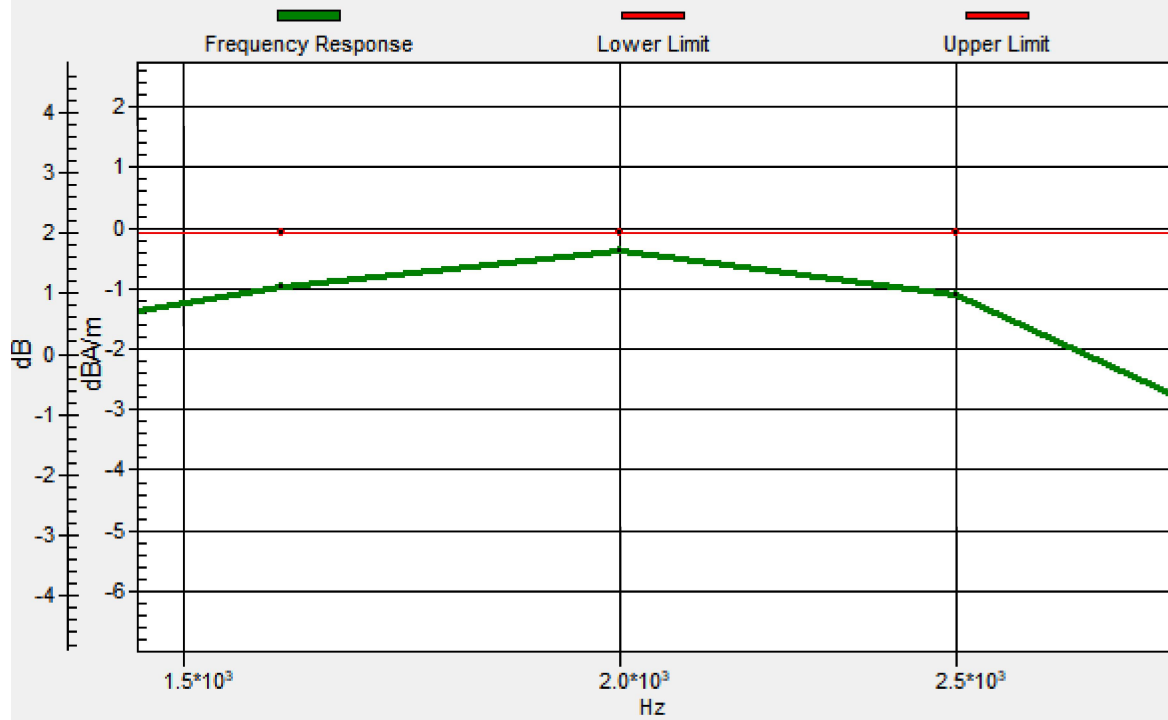
General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



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

Loc: -0.5, 1.5, 3.7 mm Diff: 0.31dB



P05 T-Coil_WCDMA V_Ch4182_AMR4.75kbps_Axial (Z)

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

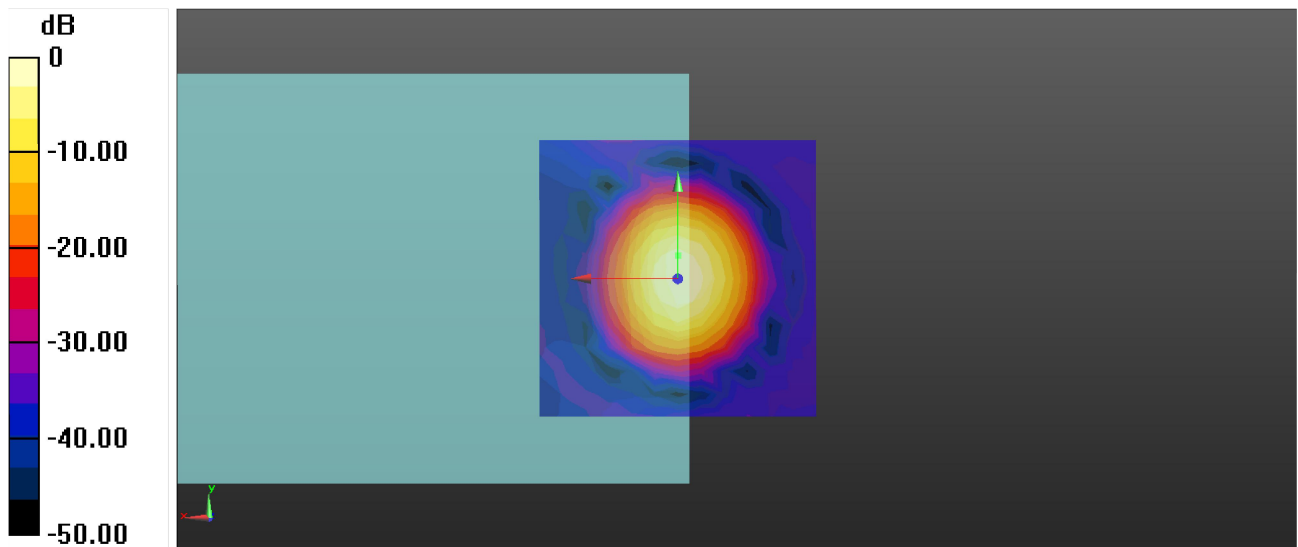
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 55.21 dB

ABM1 comp = 6.15 dBA/m

Location: 0, 4.2, 3.7 mm



0 dB = 576.0 = 55.21 dB

P05 T-Coil_WCDMA V_Ch4182_AMR4.75kbps_Radial (Y)

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

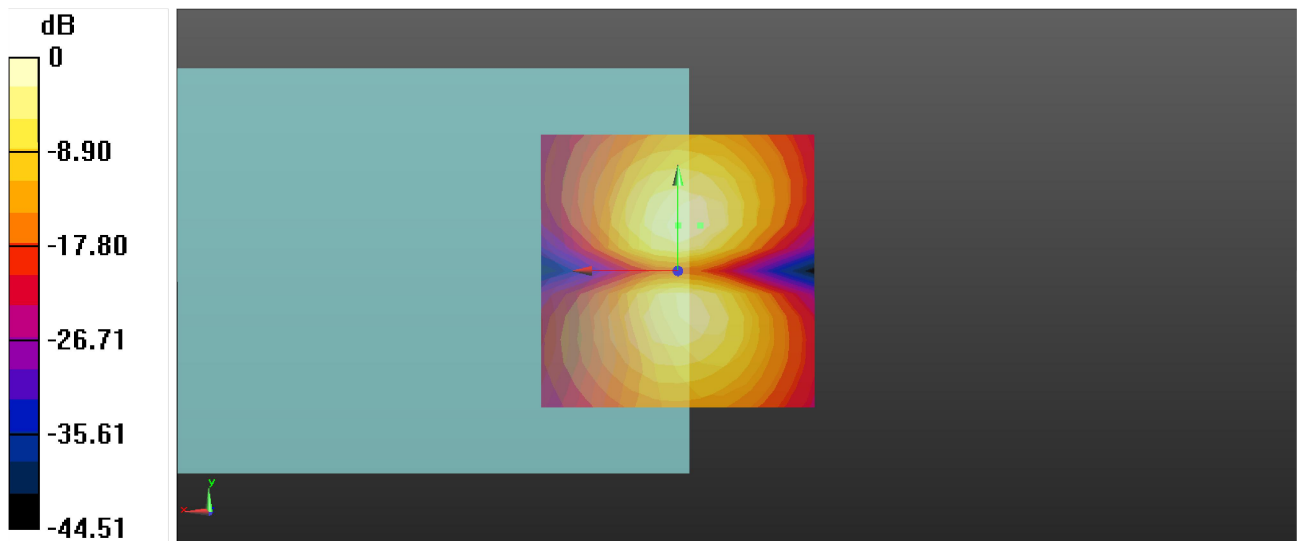
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 50.49 dB

ABM1 comp = -2.63 dBA/m

Location: -4.2, 8.3, 3.7 mm



0 dB = 334.4 = 50.49 dB

P05 T-Coil_WCDMA V_Ch4182_AMR4.75kbps_Freq Resp

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

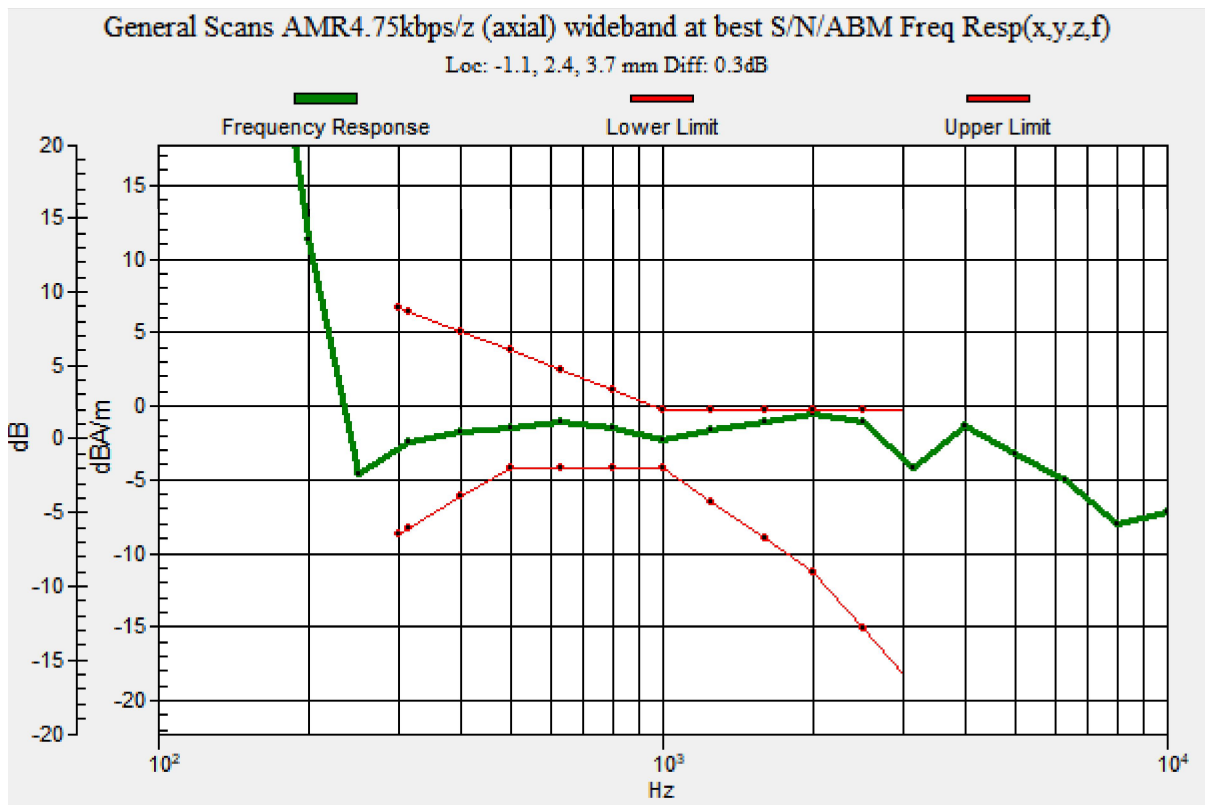
Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

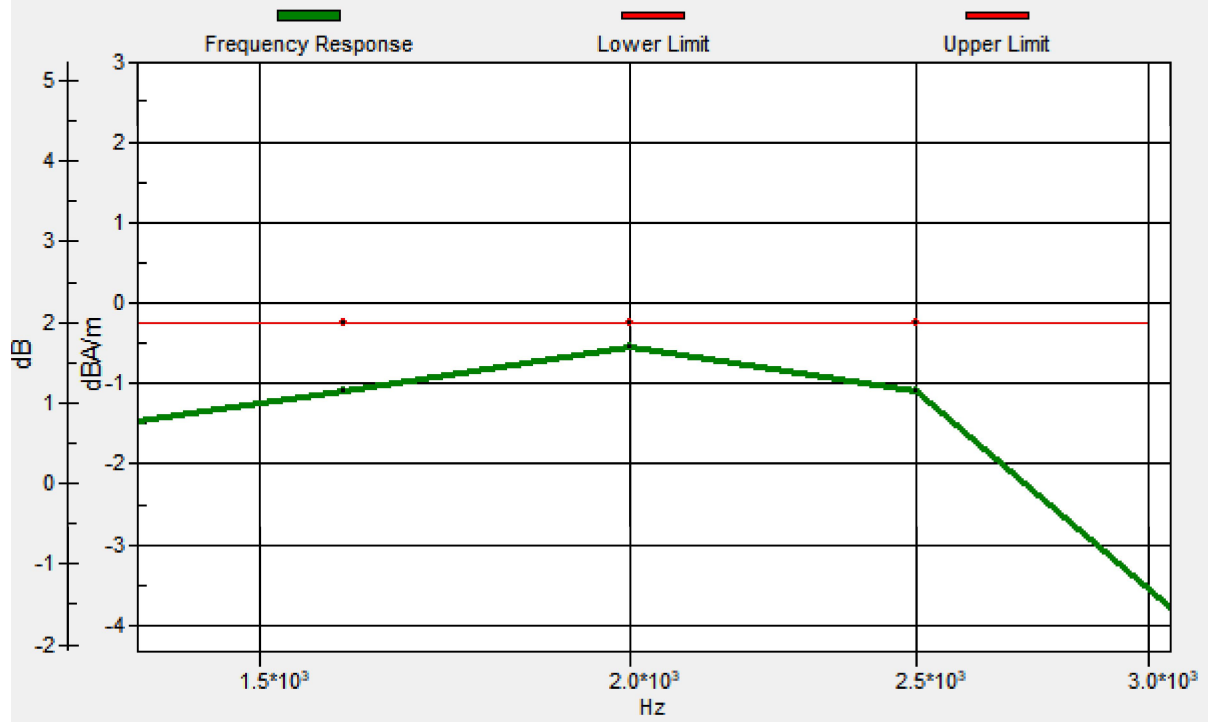
General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



General Scans AMR4.75kbps/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -1.1, 2.4, 3.7 mm Diff: 0.3dB



P06 T-Coil_LTE 2_QPSK20M_Ch18900_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; 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 : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

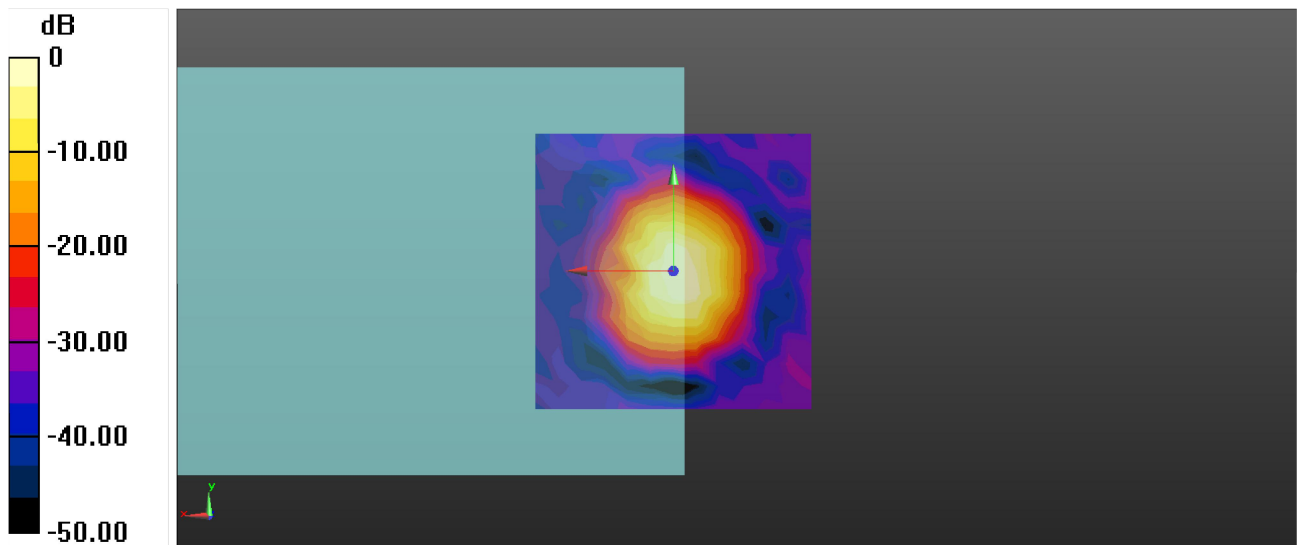
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 50.25 dB

ABM1 comp = 3.51 dBA/m

Location: 0, 0, 3.7 mm



0 dB = 325.5 = 50.25 dB

P06 T-Coil_LTE 2_QPSK20M_Ch18900_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; 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 : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

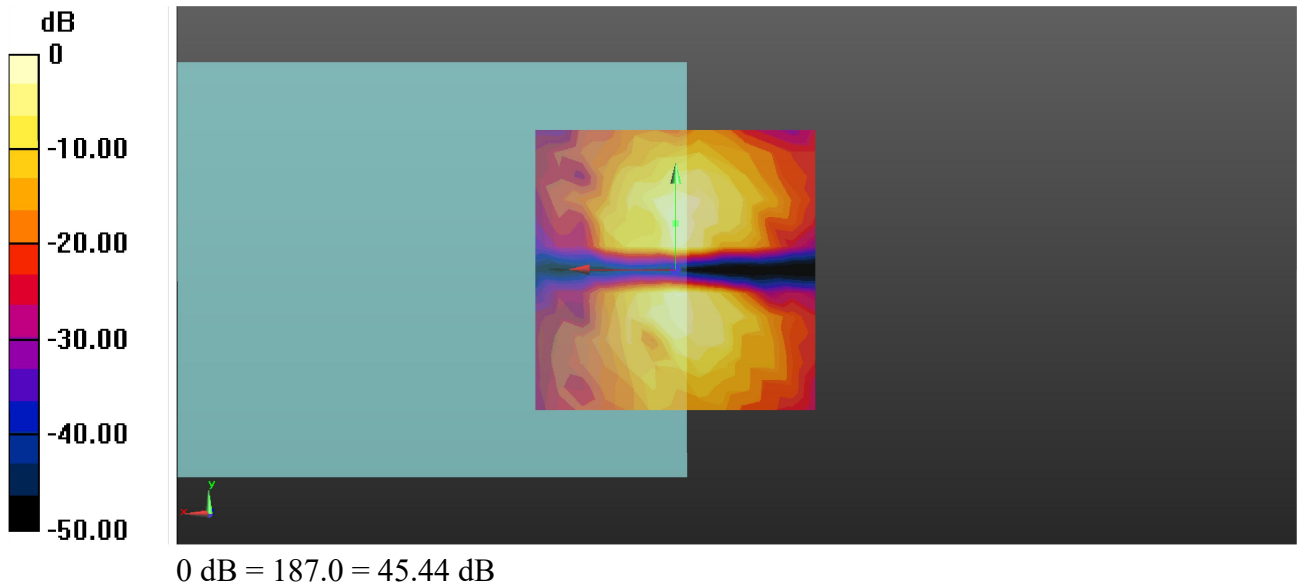
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.44 dB

ABM1 comp = -4.07 dBA/m

Location: 0, 8.3, 3.7 mm



P06 T-Coil_LTE 2_QPSK20M_Ch18900_1RB_OS0_EVS NB 5.9kbps_Freq Resp

Communication System: LTE; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

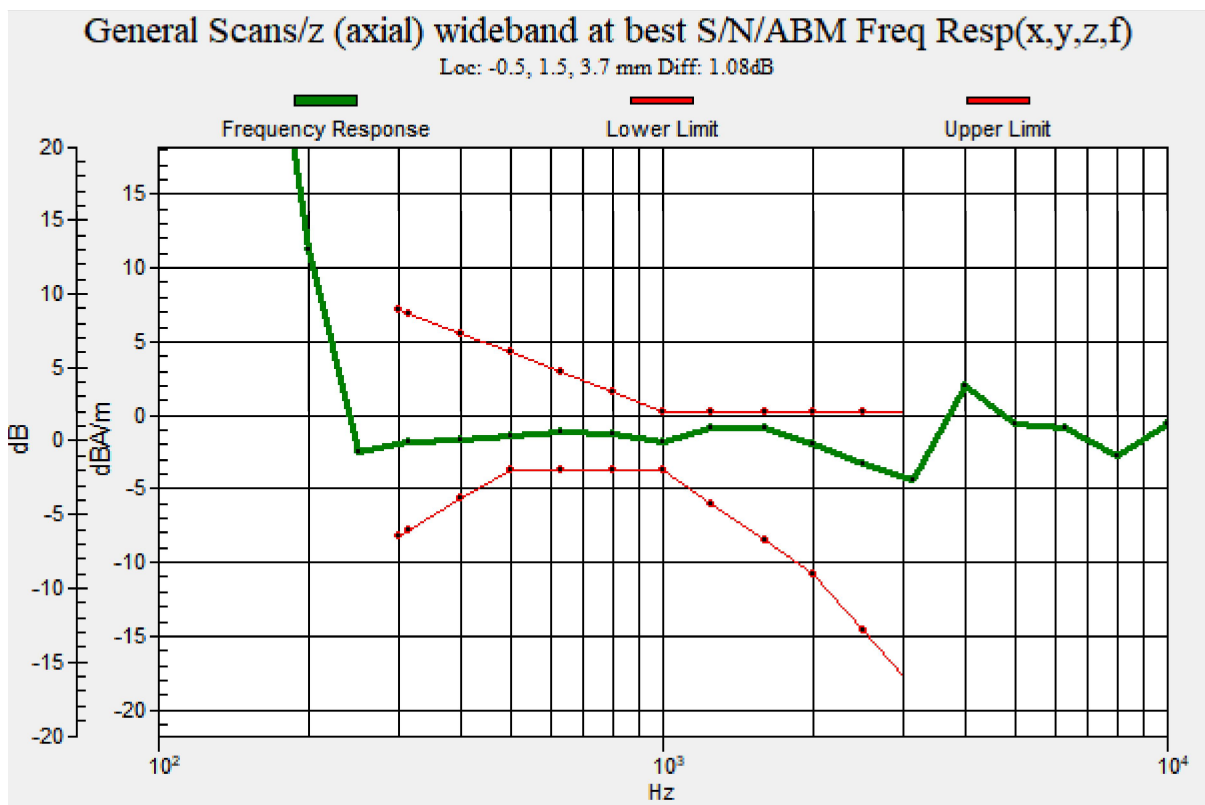
Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



P07 T-Coil_LTE 4_QPSK20M_Ch20175_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

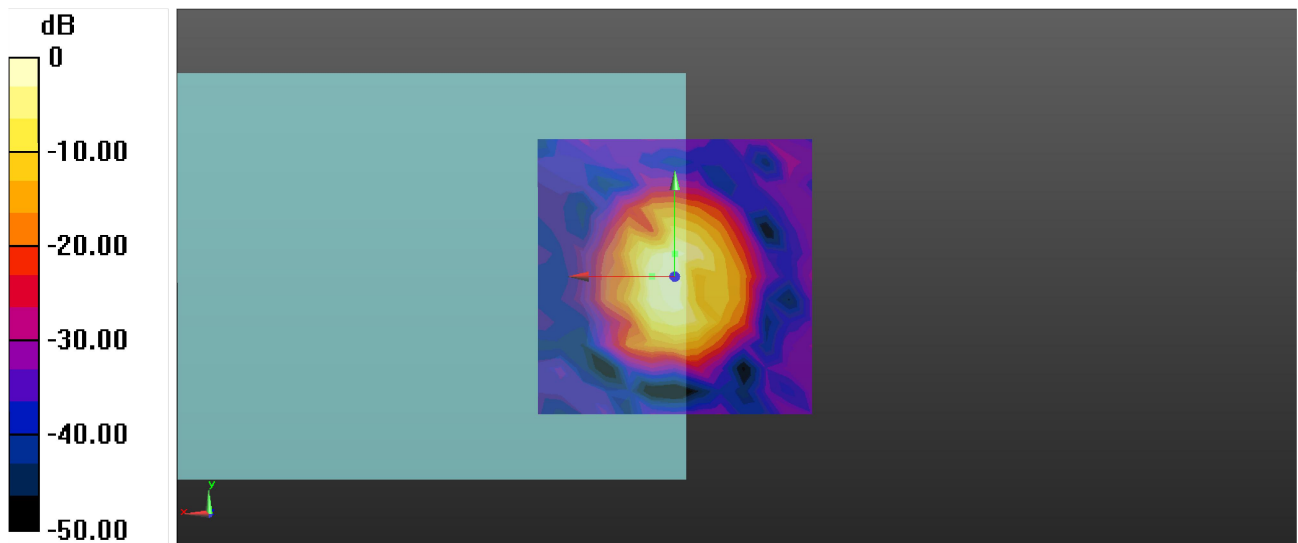
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 50.60 dB

ABM1 comp = 1.45 dBA/m

Location: 0, 4.2, 3.7 mm



0 dB = 338.8 = 50.60 dB

P07 T-Coil_LTE 4_QPSK20M_Ch20175_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; 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 : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

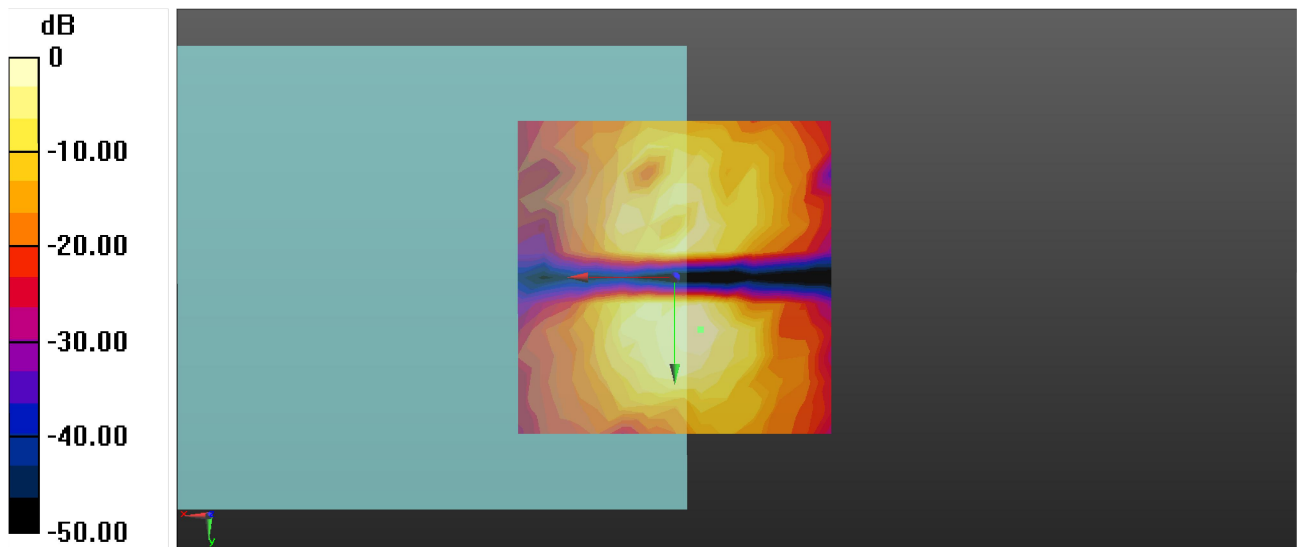
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.28 dB

ABM1 comp = -6.04 dBA/m

Location: -4.2, 8.3, 3.7 mm



0 dB = 206.0 = 46.28 dB

P07 T-Coil_LTE 4_QPSK20M_Ch20175_1RB_OS0_EVS NB 5.9kbps_Freq Resp

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

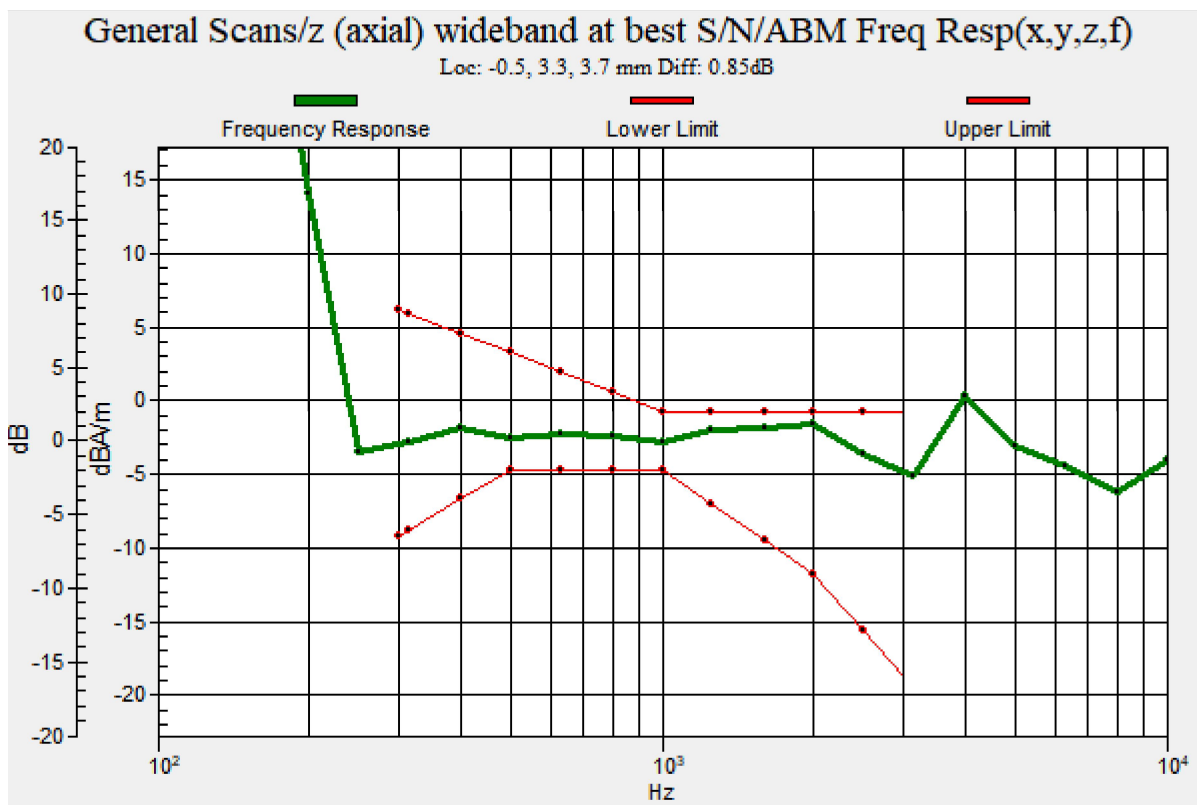
Ambient Temperature : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



P08 T-Coil_LTE 5_QPSK10M_Ch20525_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; 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 : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

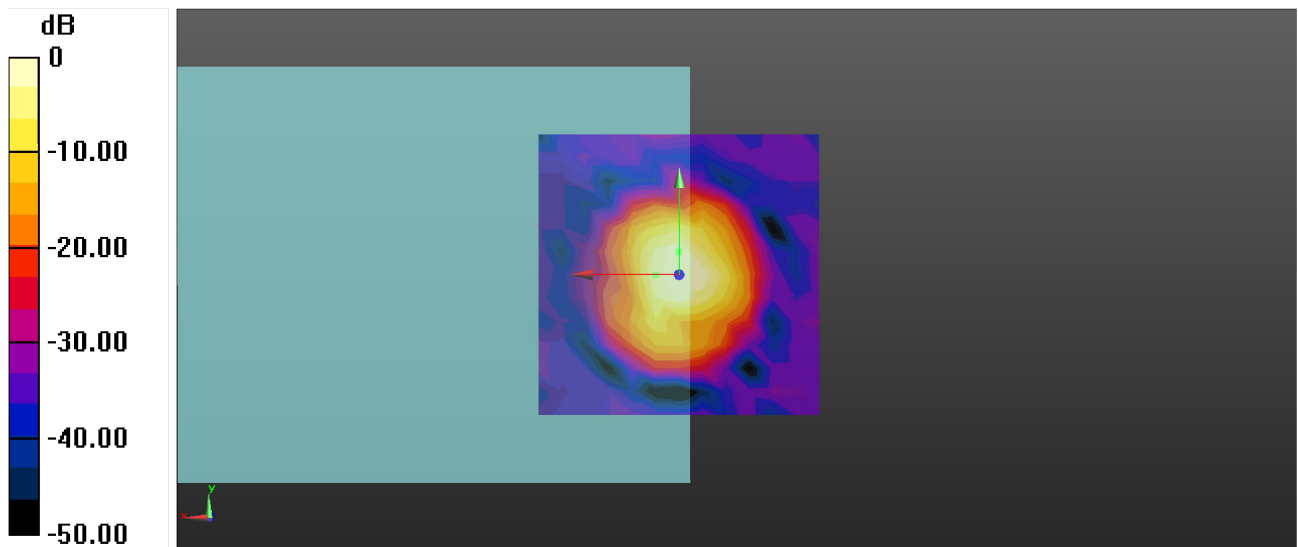
General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 50.99 dB

ABM1 comp = 2.04 dBA/m

Location: 0, 4.2, 3.7 mm



0 dB = 354.5 = 50.99 dB

P08 T-Coil_LTE 5_QPSK10M_Ch20525_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; 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 : 23.6°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- 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)

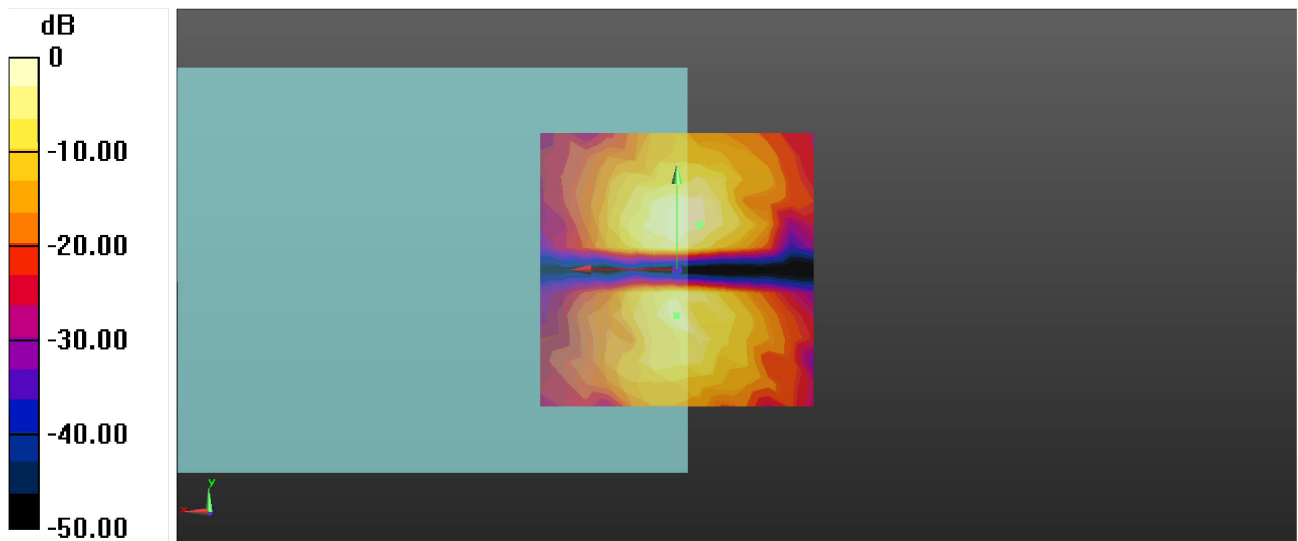
General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.16 dB

ABM1 comp = -6.11 dBA/m

Location: -4.2, 8.3, 3.7 mm



0 dB = 203.2 = 46.16 dB