



REPORT No.: SZ20100013S04

Annex C Plots of T-Coil Test Results

HAC_T-Coil_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 4.75Kbps_Ch6_Z

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);
Frequency: 2437 MHz; Duty Cycle: 1:1.53815

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

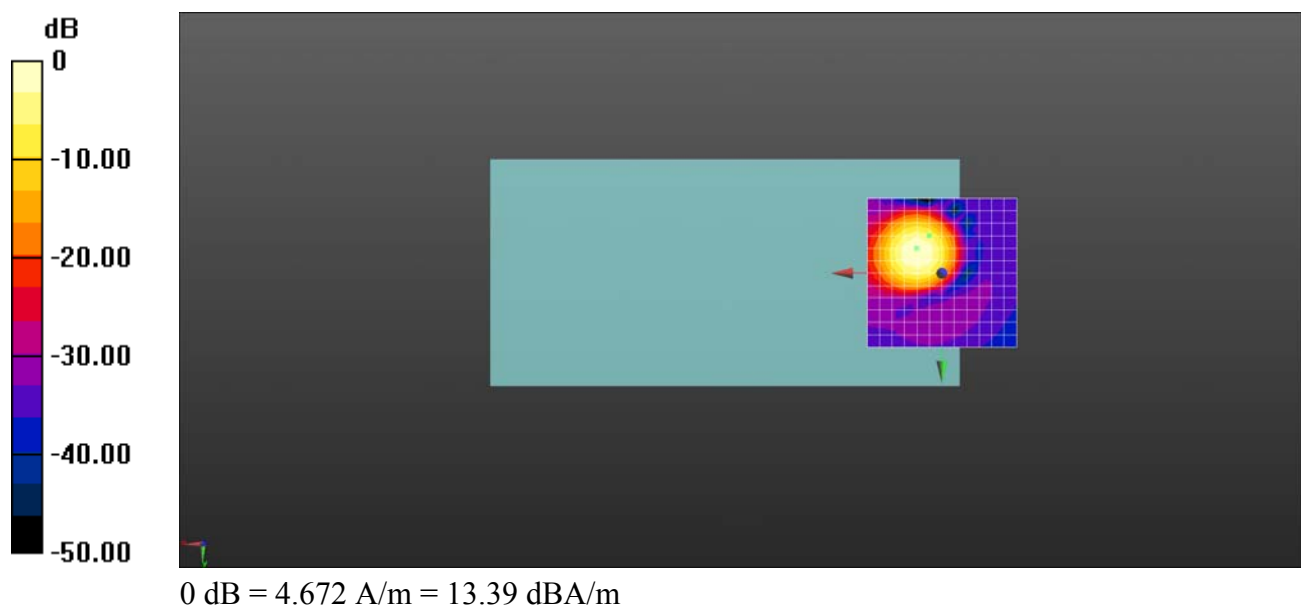
Ch6/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.13 dB

ABM1 comp = 7.87 dBA/m

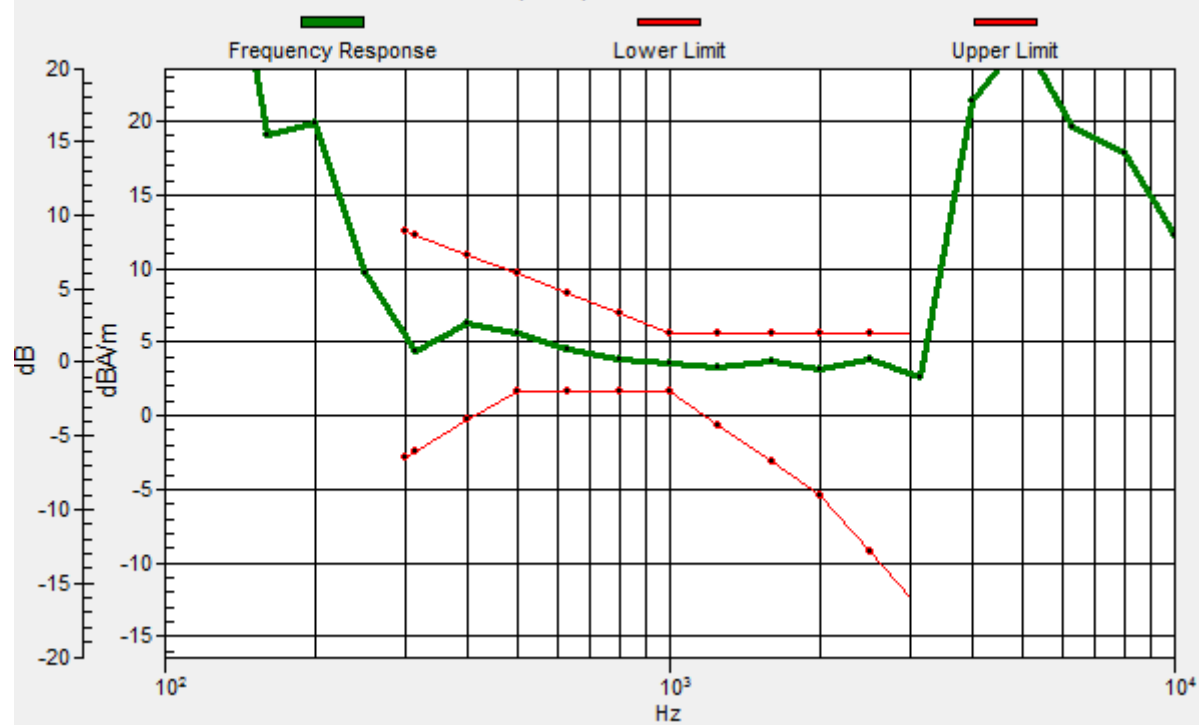
BWC Factor = -0.36 dB

Location: 4.2, -12.5, 3.7 mm



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

Loc: 4.2, -12.5, 3.7 mm Diff: 1.84dB



HAC_T-Coil_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 4.75Kbps_Ch6_y

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);
Frequency: 2437 MHz; Duty Cycle: 1:1.53815

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

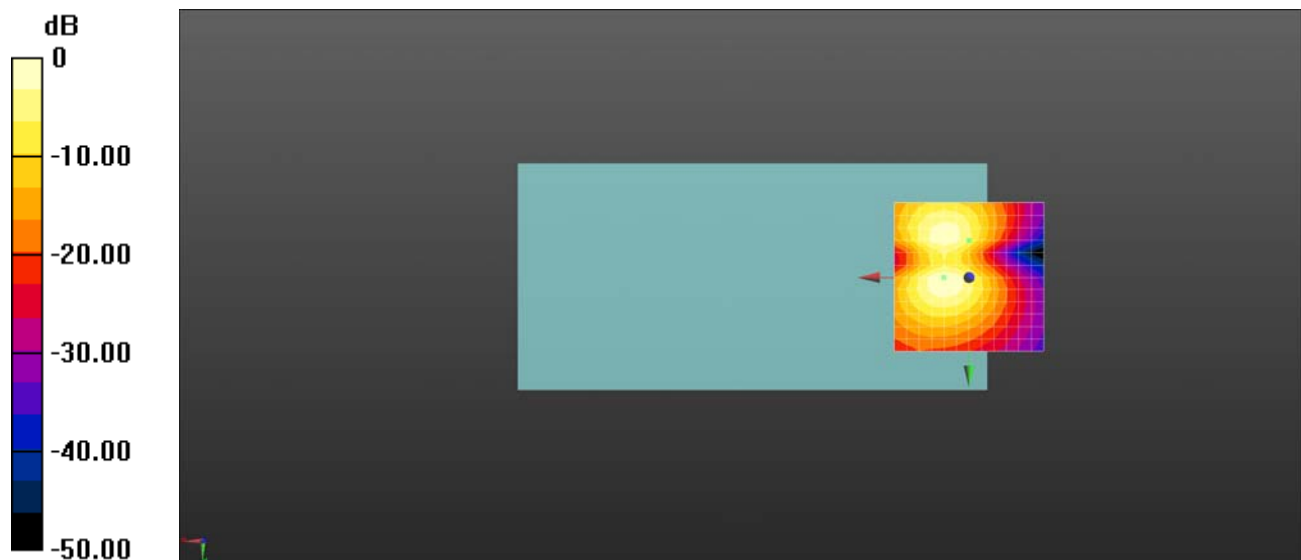
dx=10mm, dy=10mm

ABM1/ABM2 = 31.91 dB

ABM1 comp = 0.22 dBA/m

BWC Factor = -0.36 dB

Location: 0, -12.5, 3.7 mm



0 dB = 1.965 A/m = 5.87 dBA/m

HAC_T-Coil_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 4.75Kbps_Ch6_Z

Communication System: UID 10418 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble); Frequency: 2437 MHz; Duty Cycle: 1:6.51628

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

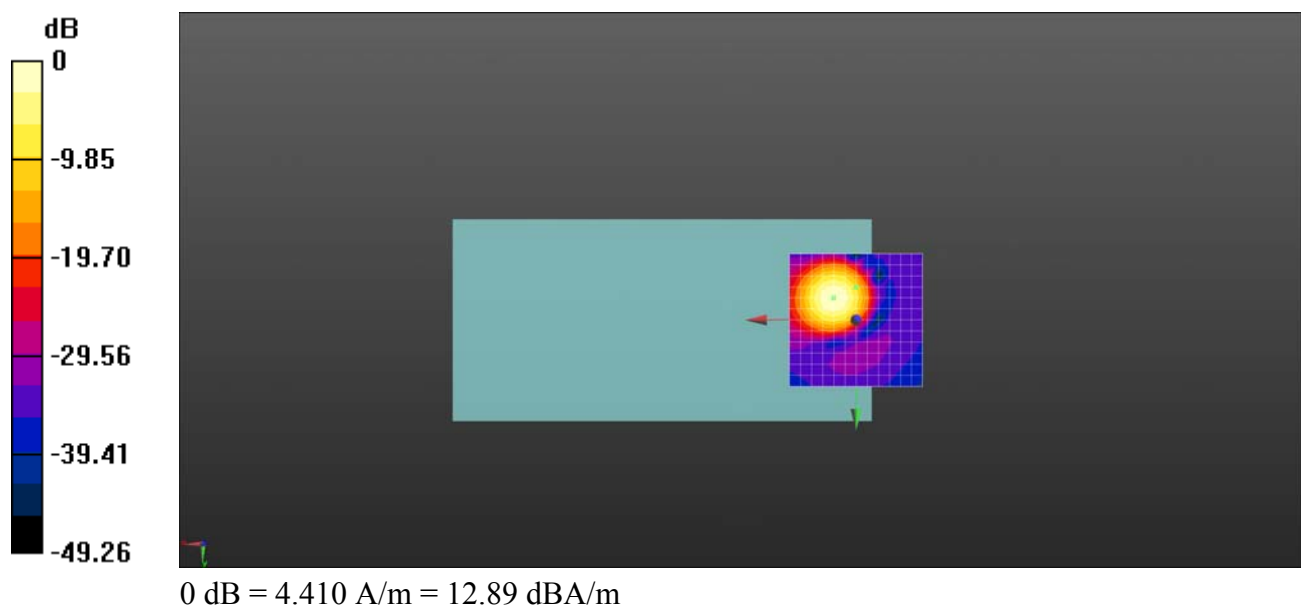
Ch6/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm

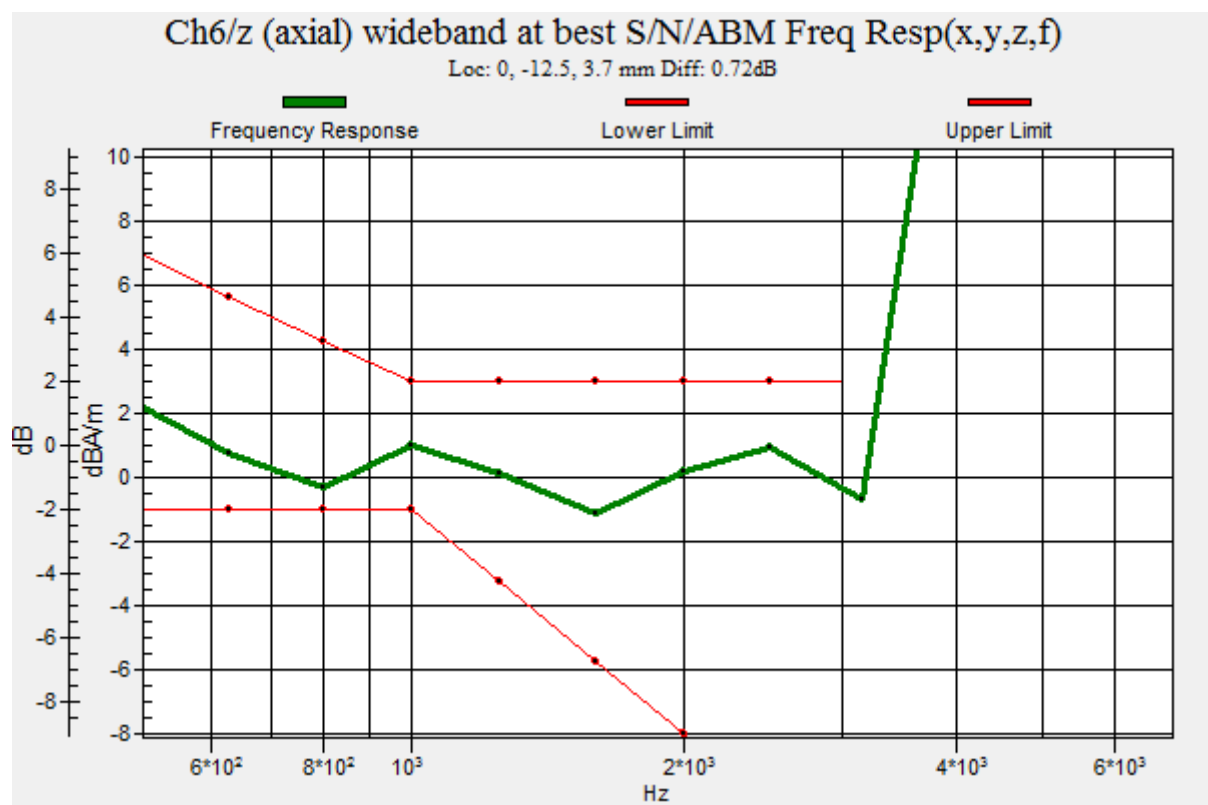
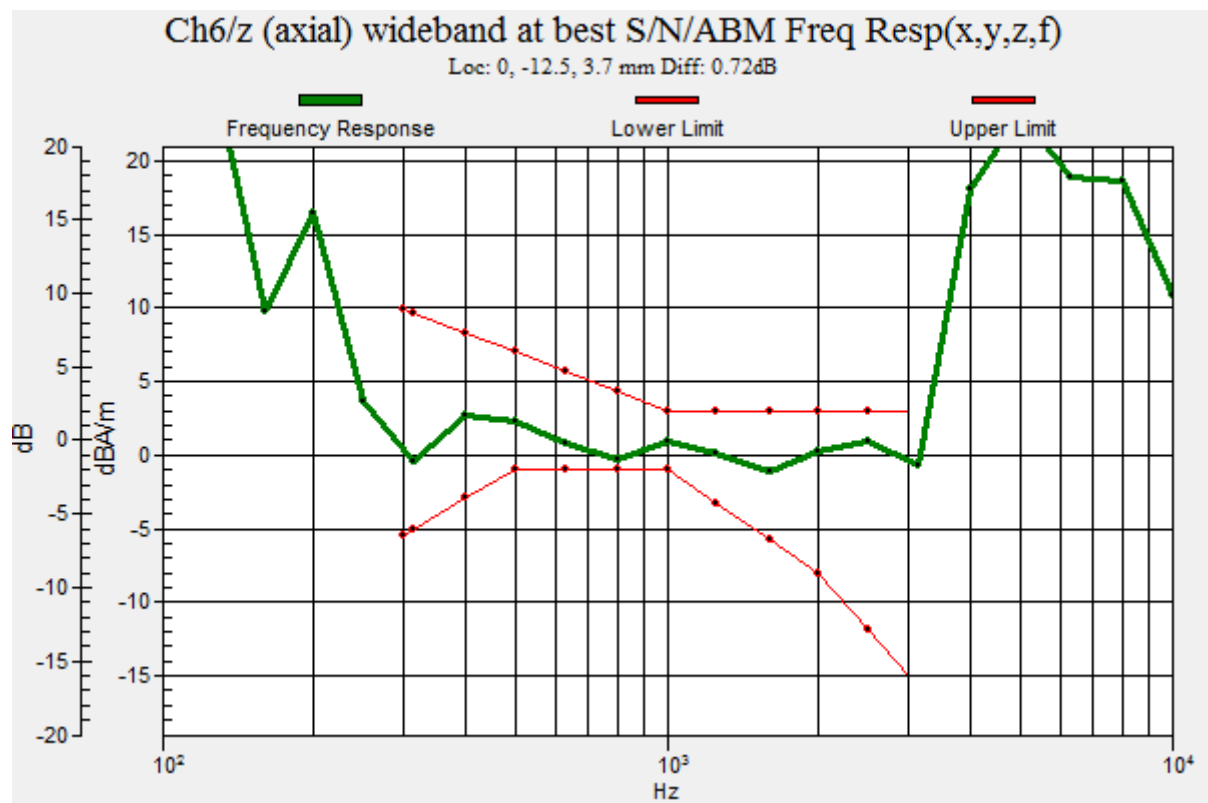
ABM1/ABM2 = 31.63 dB

ABM1 comp = 3.39 dBA/m

BWC Factor = 0.04 dB

Location: 0, -12.5, 3.7 mm





HAC_T-Coil_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 4.75Kbps_Ch6_Y

Communication System: UID 10418 - AAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble); Frequency: 2437 MHz; Duty Cycle: 1:6.51628

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

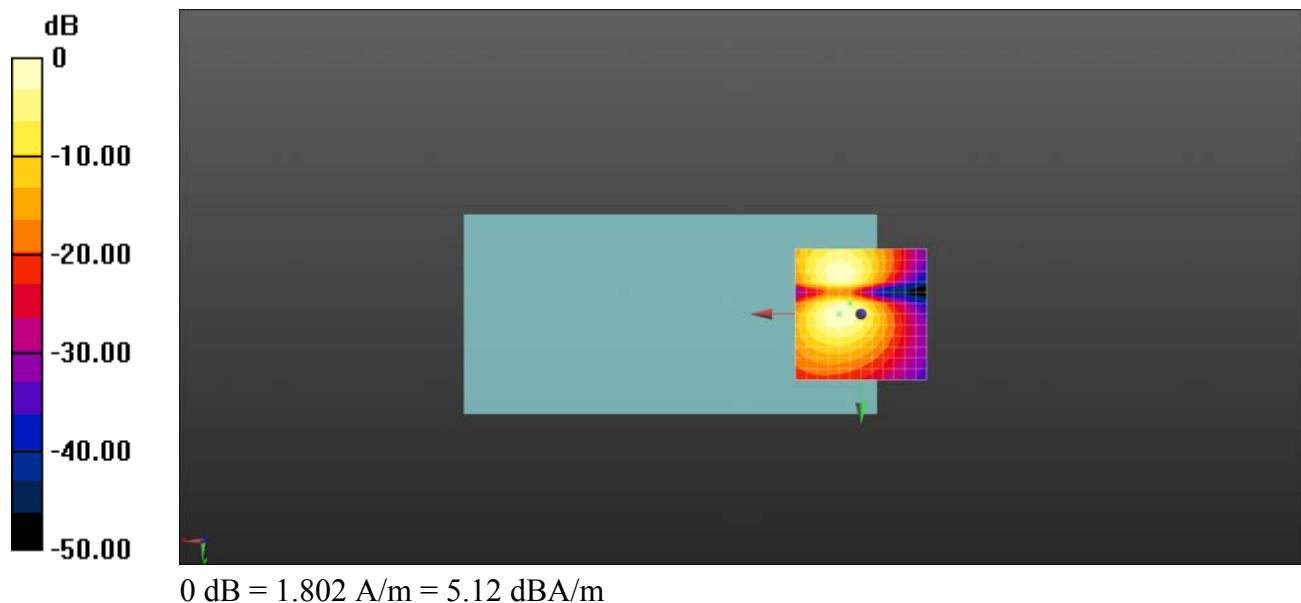
dx=10mm, dy=10mm

ABM1/ABM2 = 31.90 dB

ABM1 comp = 1.13 dBA/m

BWC Factor = 0.04 dB

Location: 4.2, -4.2, 3.7 mm



HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch6_Z

Communication System: UID 10196 - CAA, IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK);

Frequency: 2437 MHz; Duty Cycle: 1:6.45654

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: 2020.06.18

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

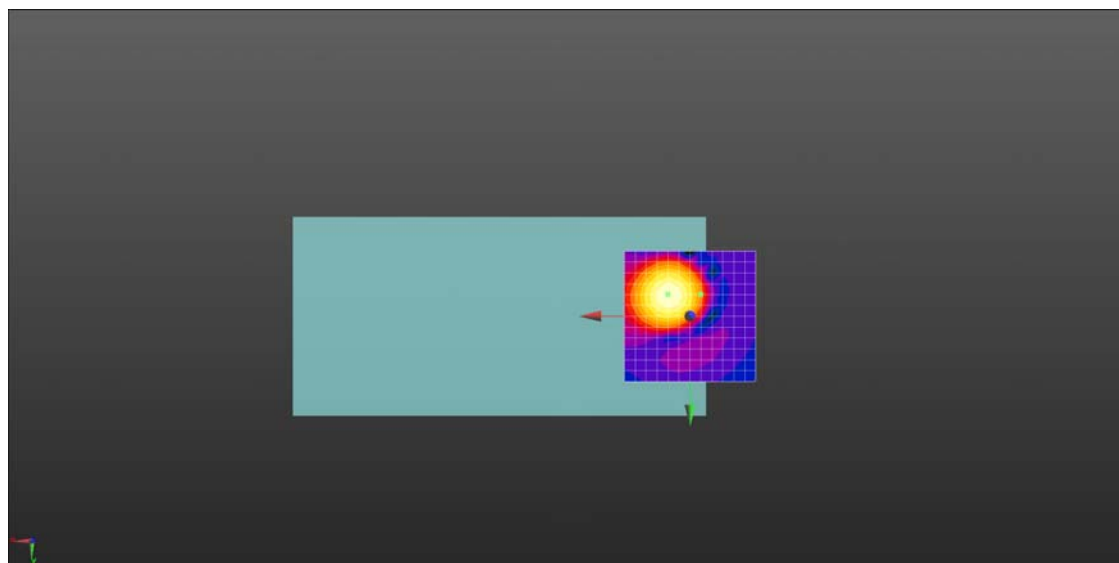
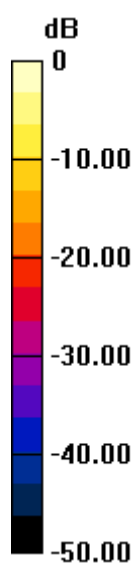
Ch6/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 31.92 dB

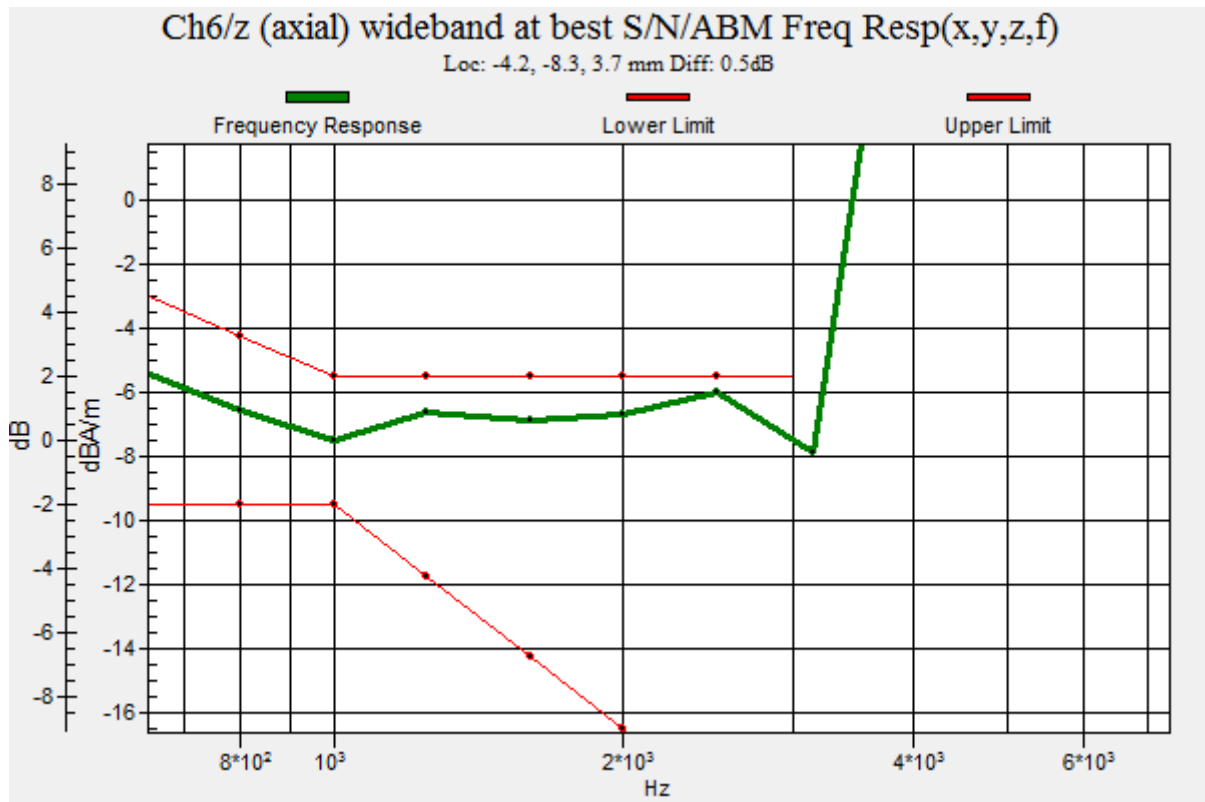
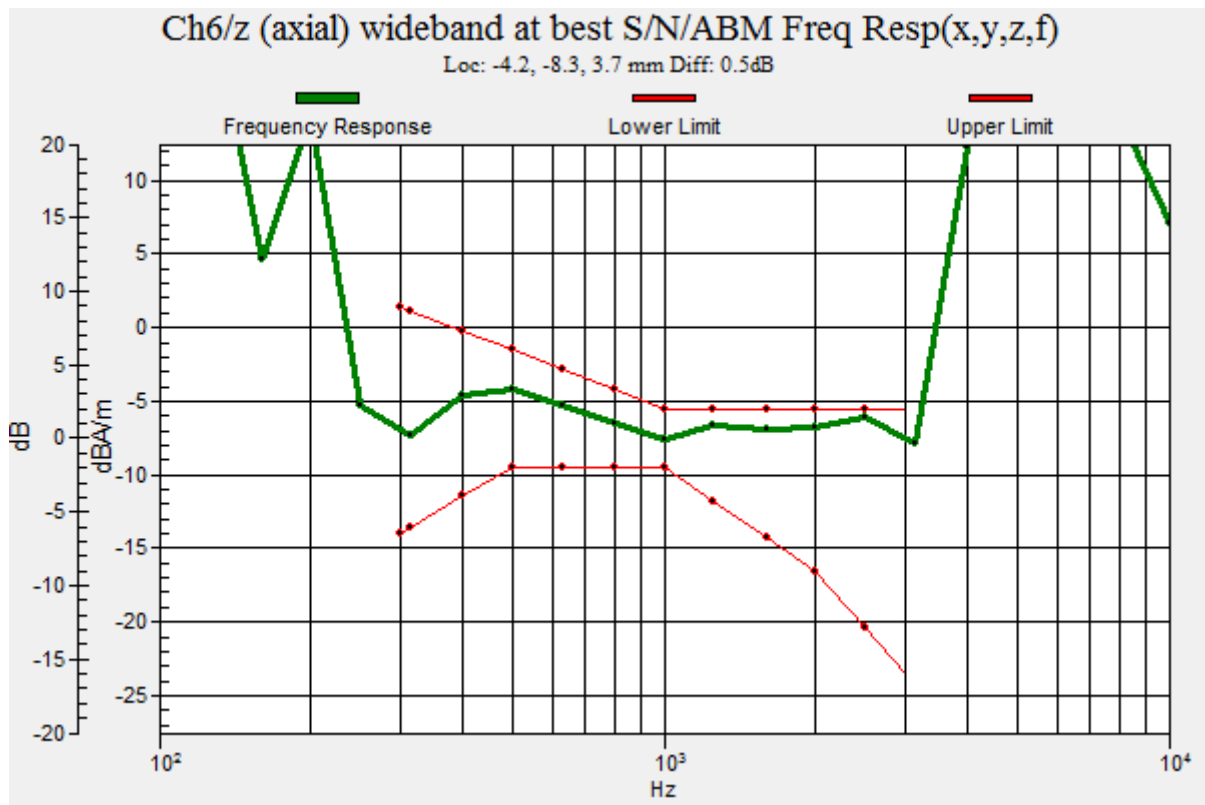
ABM1 comp = -3.26 dBA/m

BWC Factor = 0.04 dB

Location: -4.2, -8.3, 3.7 mm



0 dB = 4.691 A/m = 13.43 dBA/m



HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch6_Y

Communication System: UID 10196 - CAA, IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK);
Frequency: 2437 MHz; Duty Cycle: 1:6.45654

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

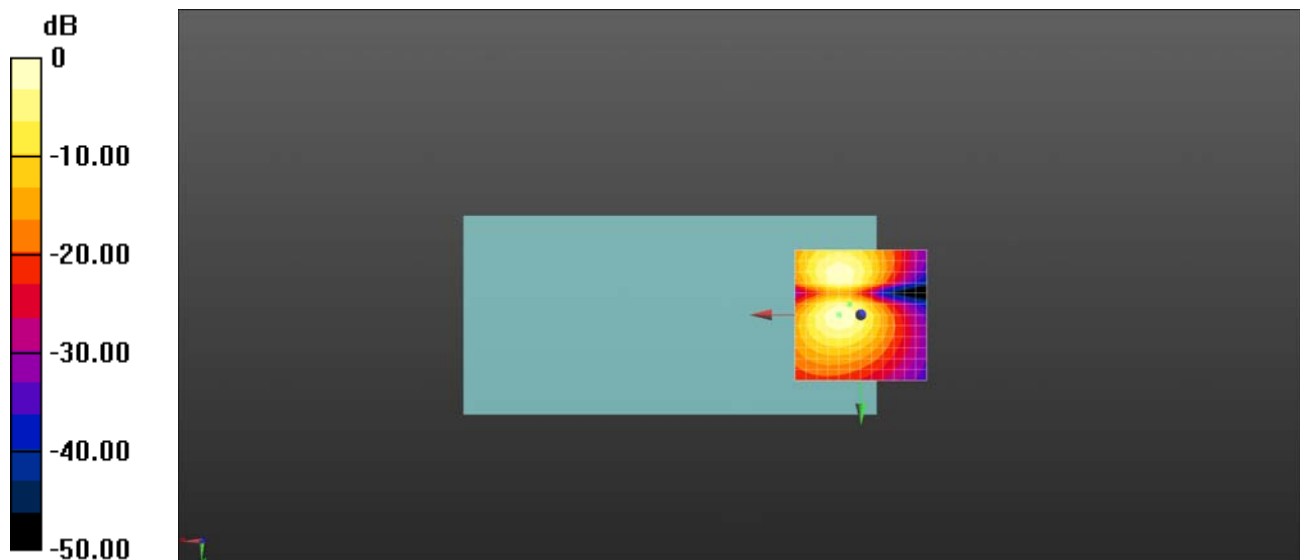
dx=10mm, dy=10mm

ABM1/ABM2 = 31.96 dB

ABM1 comp = 0.91 dBA/m

BWC Factor = 0.04 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 1.855 A/m = 5.37 dBA/m

HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT40 MCS0_AMR 4.75Kbps_Ch6_Z

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);
Frequency: 2437 MHz; Duty Cycle: 1:6.4121

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

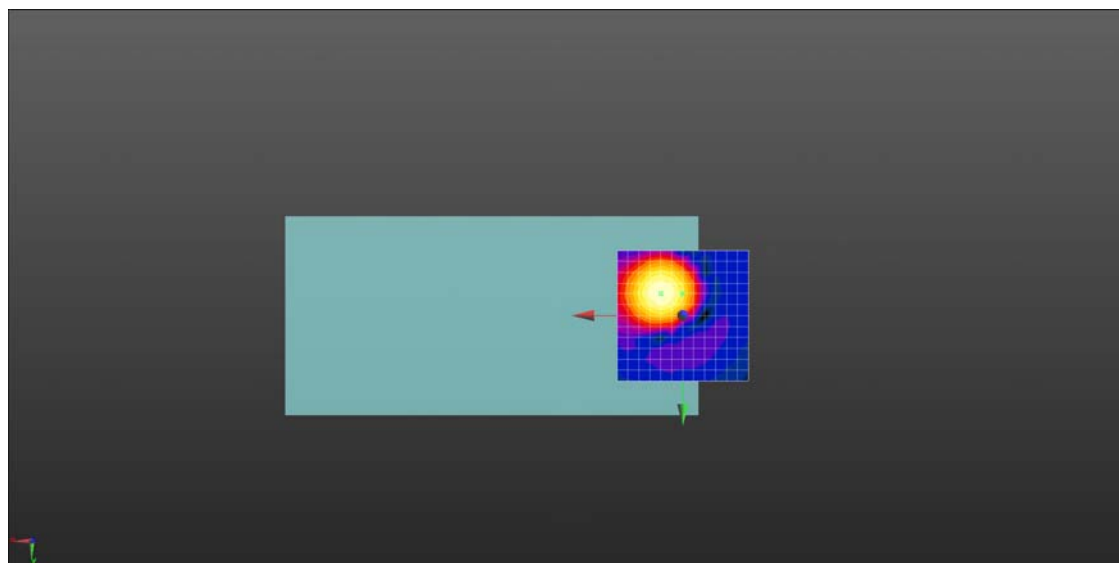
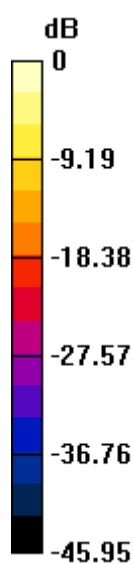
Ch6/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.34 dB

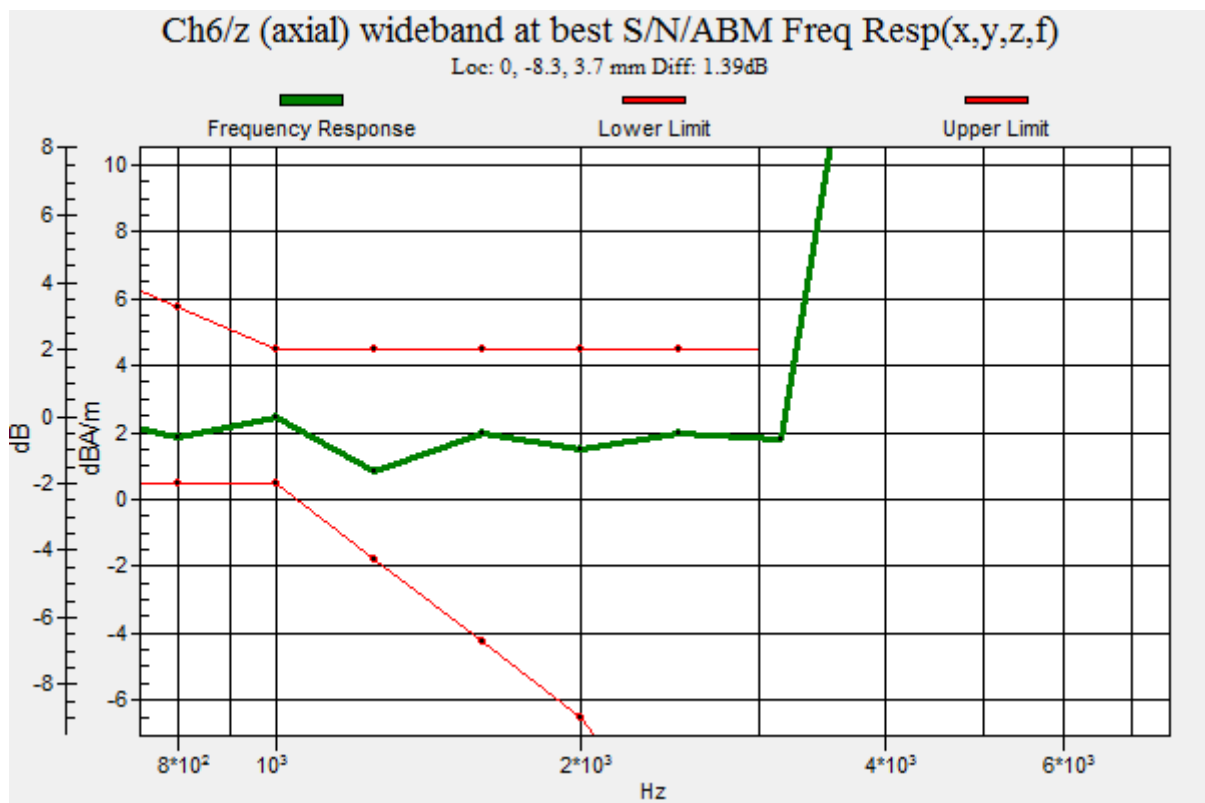
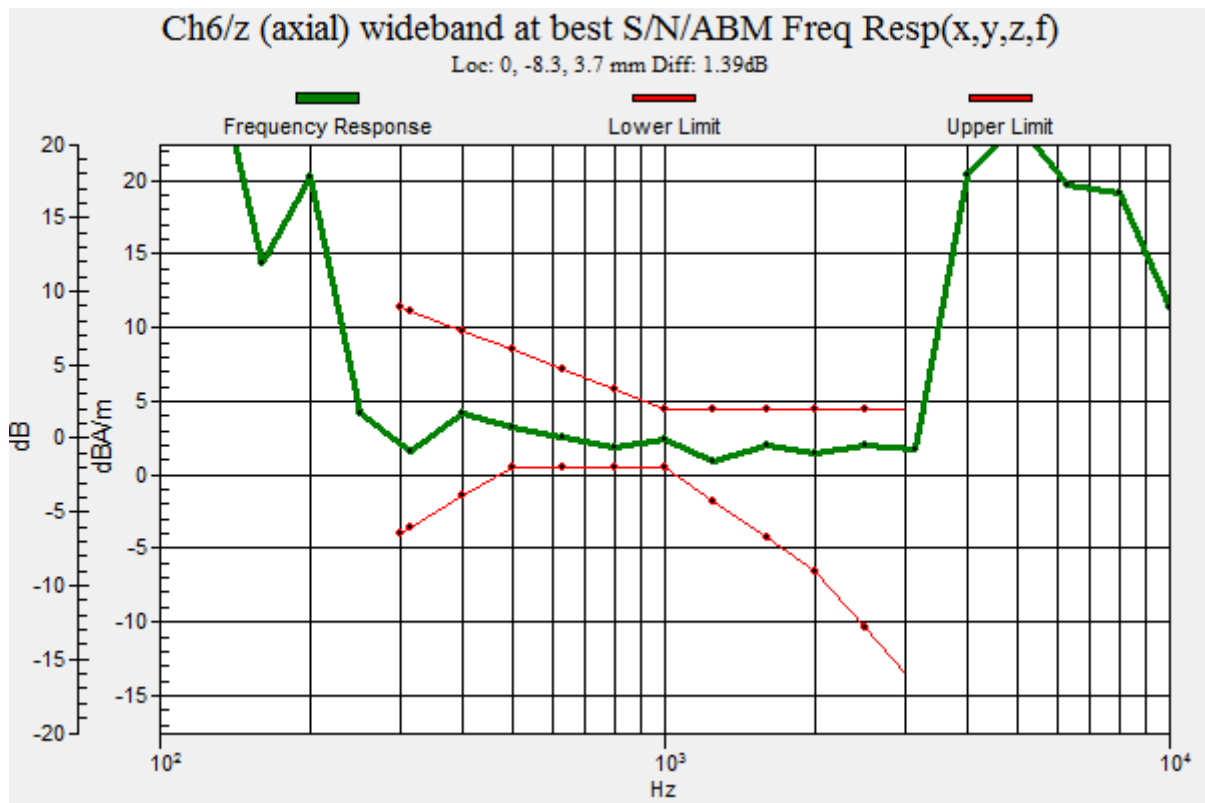
ABM1 comp = 5.87 dBA/m

BWC Factor = 0.04 dB

Location: 0, -8.3, 3.7 mm



0 dB = 4.481 A/m = 13.03 dBA/m



HAC_T-Coil_VoWiFi 2.4GHz_802.11n-HT40 MCS0_AMR 4.75Kbps_Ch6_Y

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);
Frequency: 2437 MHz; Duty Cycle: 1:6.4121

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

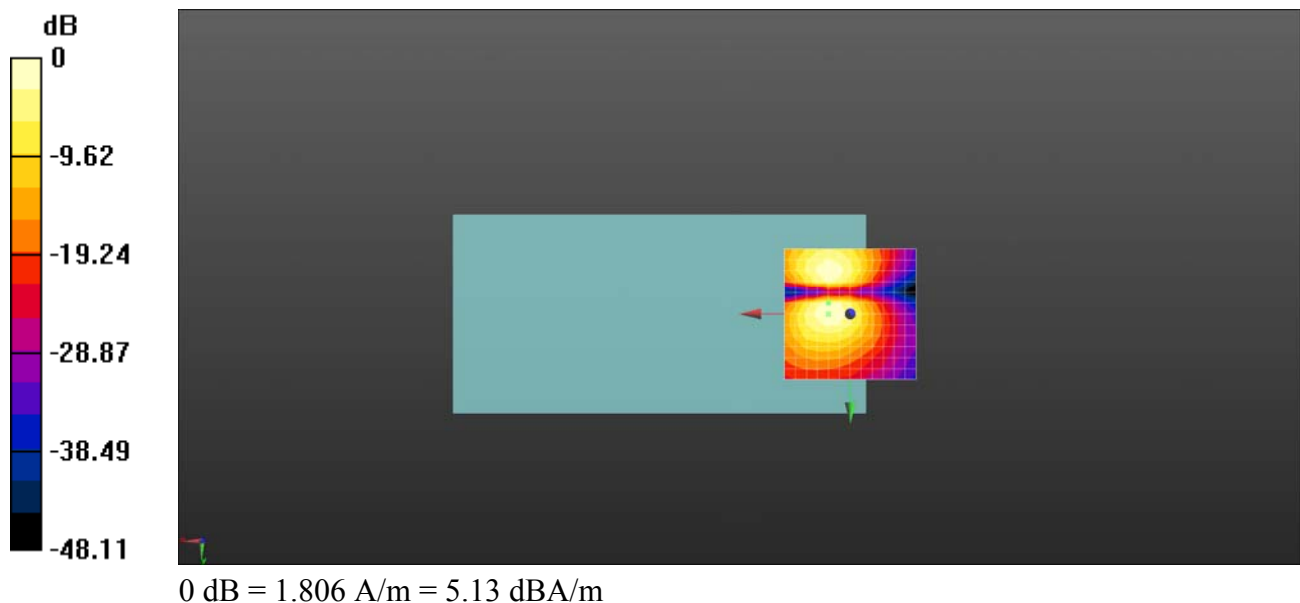
dx=10mm, dy=10mm

ABM1/ABM2 = 32.36 dB

ABM1 comp = 3.10 dBA/m

BWC Factor = 0.04 dB

Location: 8.3, -4.2, 3.7 mm



HAC_T-Coil_VoWiFi 5.2GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch44_Z

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5220 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch44/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

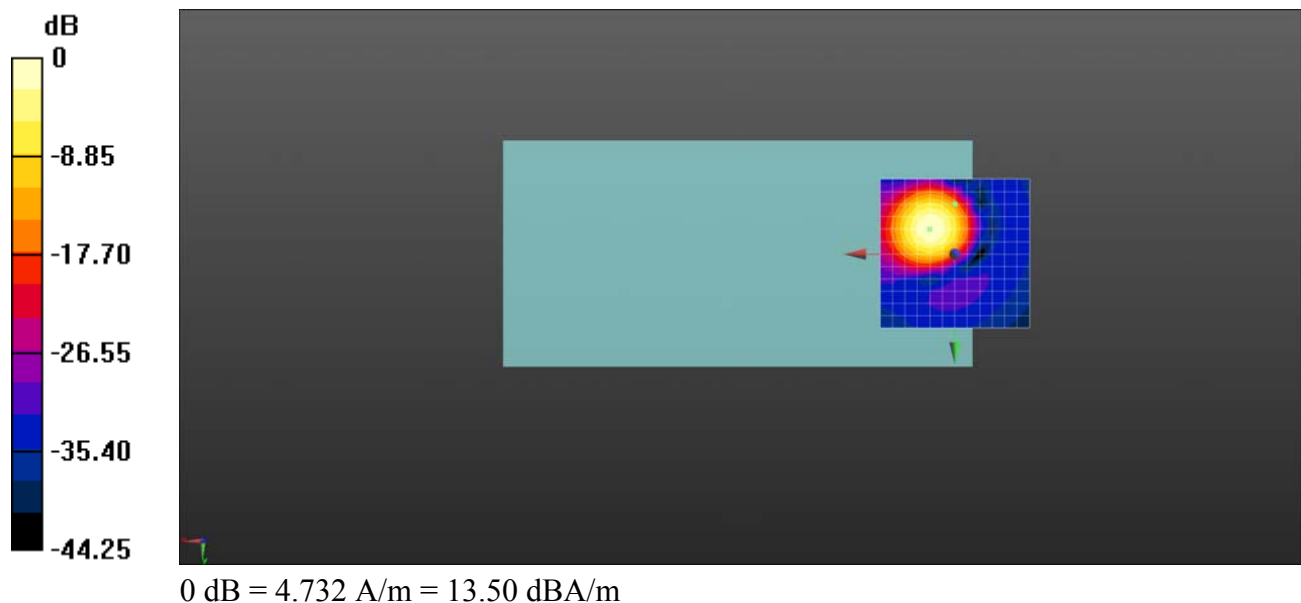
dx=10mm, dy=10mm

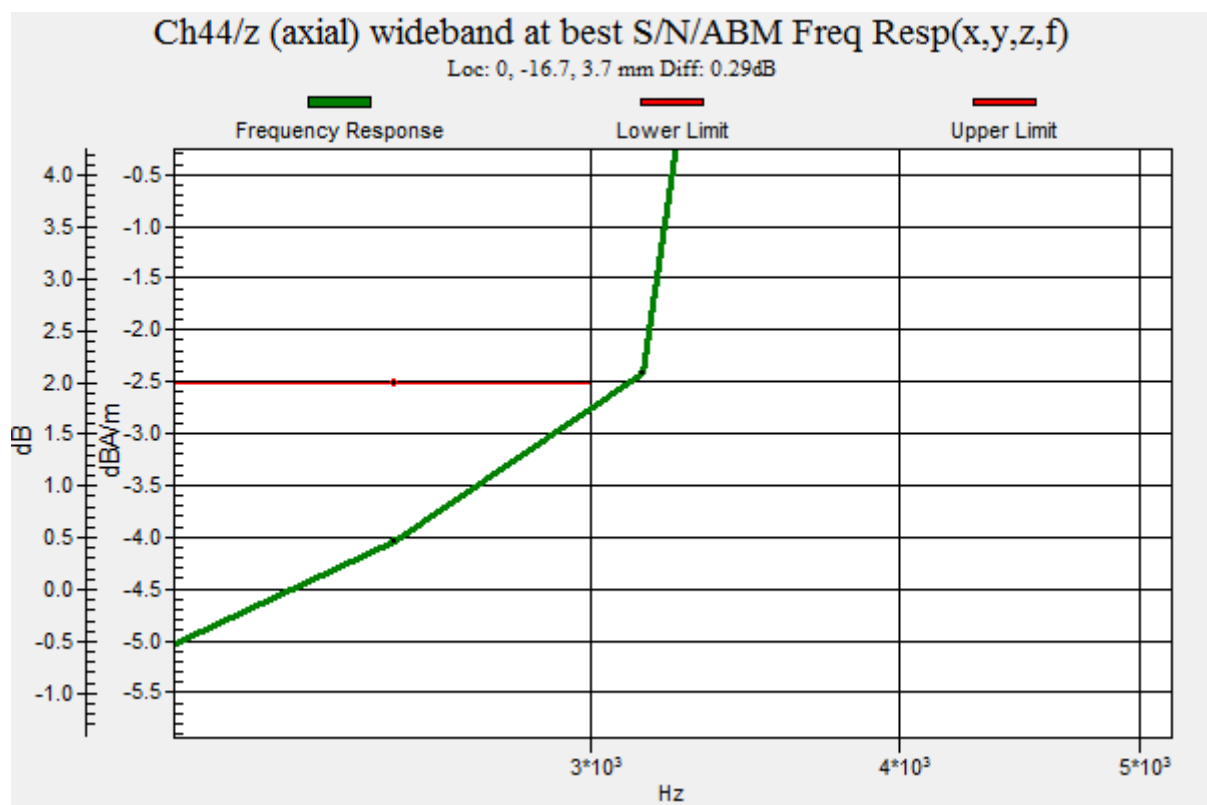
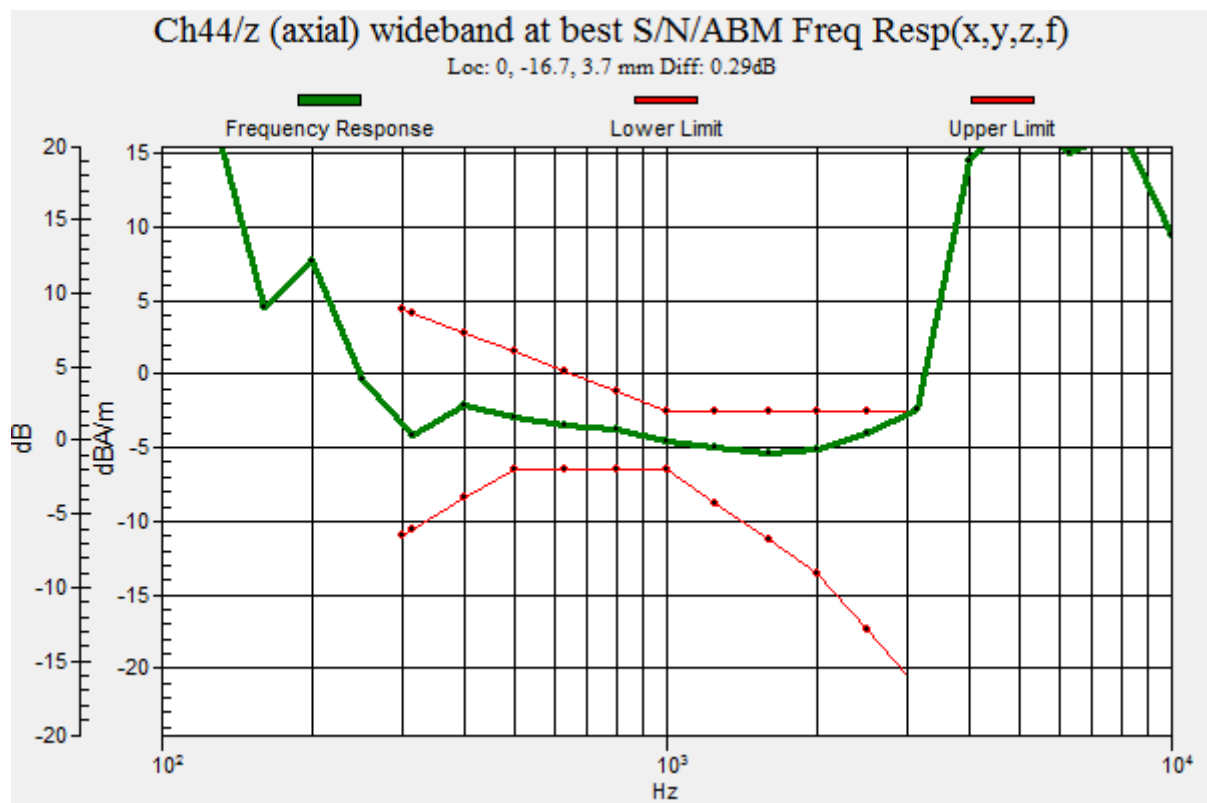
ABM1/ABM2 = 30.95 dB

ABM1 comp = -0.69 dBA/m

BWC Factor = 0.03 dB

Location: 0, -16.7, 3.7 mm





HAC_T-Coil_VoWiFi 5.2GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch44_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5220 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch44/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

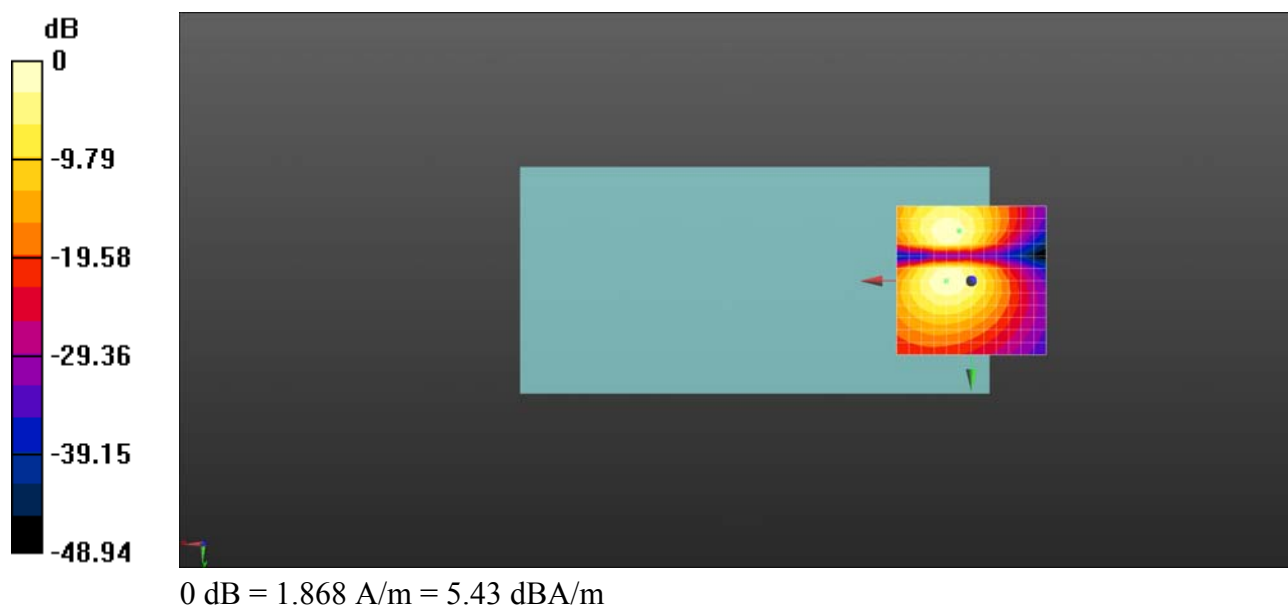
dx=10mm, dy=10mm

ABM1/ABM2 = 30.87 dB

ABM1 comp = 3.81 dBA/m

BWC Factor = 0.03 dB

Location: 4.2, -16.7, 3.7 mm



HAC_T-Coil_VoWiFi 5.3GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch60_Z

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5300 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

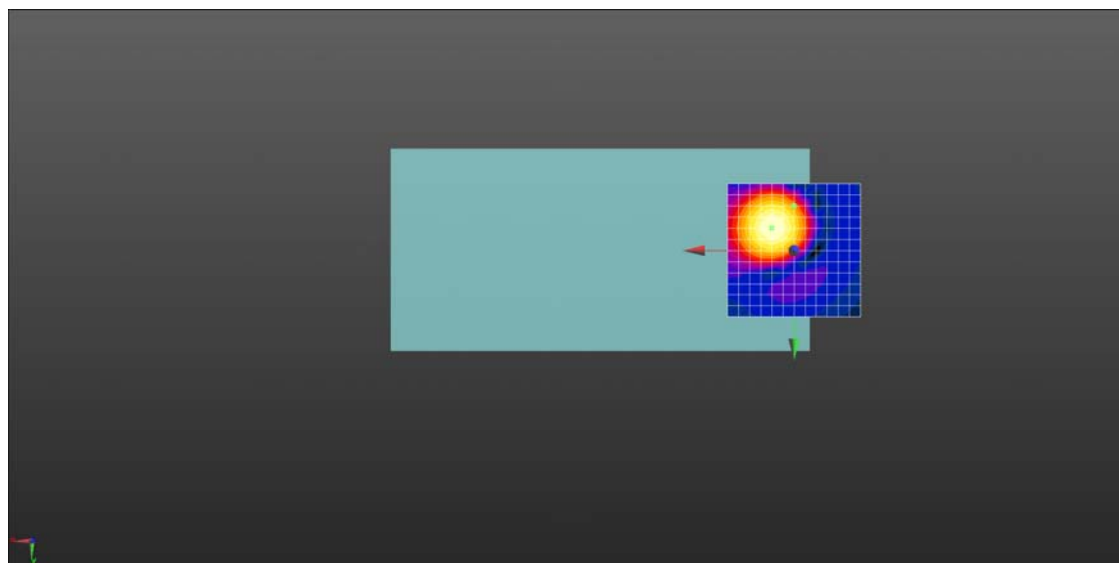
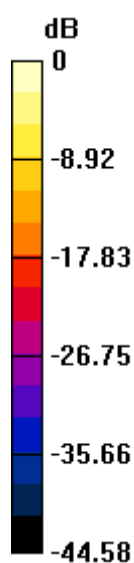
dx=10mm, dy=10mm

ABM1/ABM2 = 31.09 dB

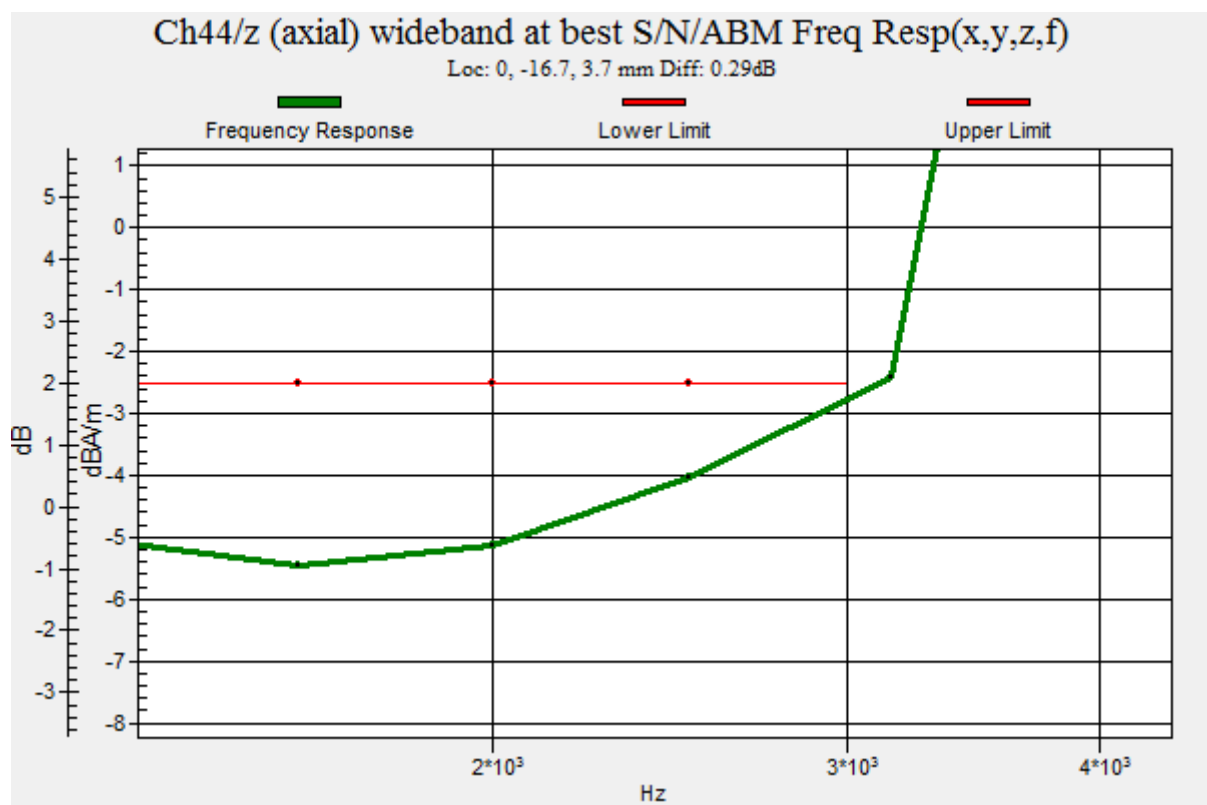
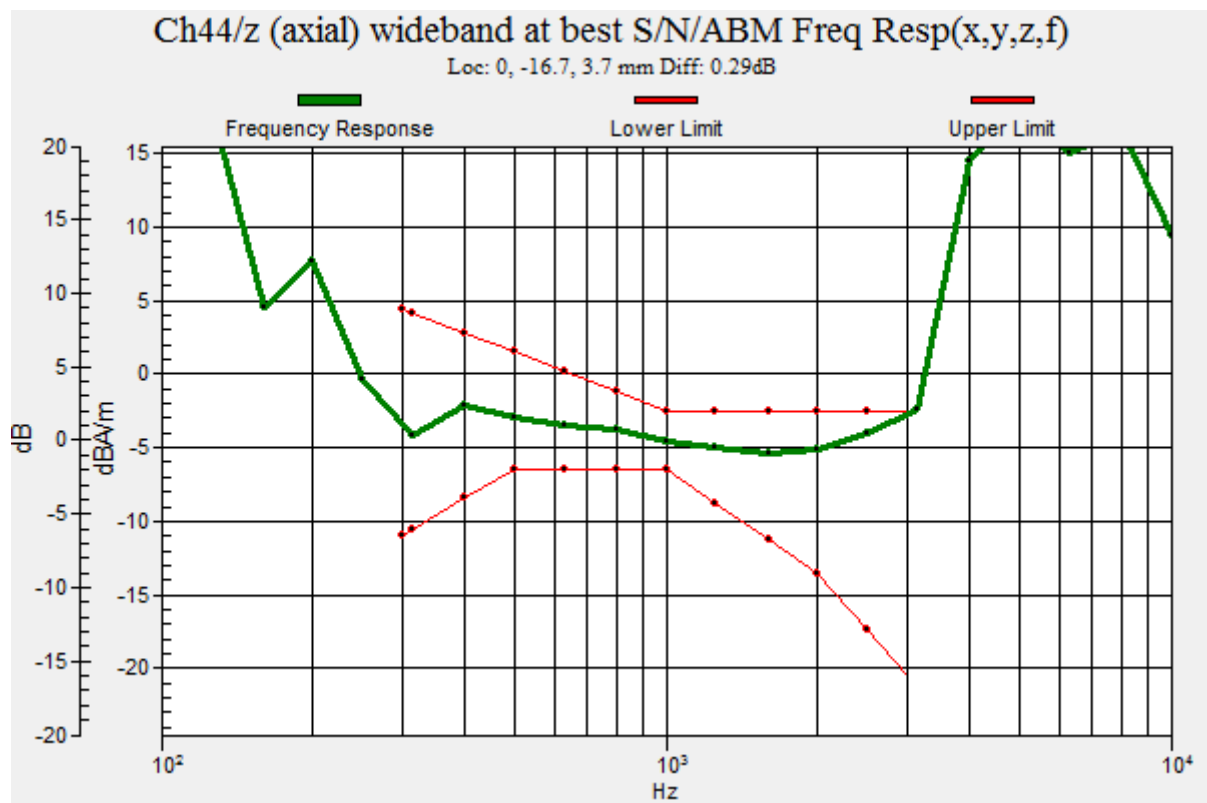
ABM1 comp = -0.58 dBA/m

BWC Factor = 0.04 dB

Location: 0, -16.7, 3.7 mm



0 dB = 4.763 A/m = 13.56 dBA/m



HAC_T-Coil_VoWiFi 5.3GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch60_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5300 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch60/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

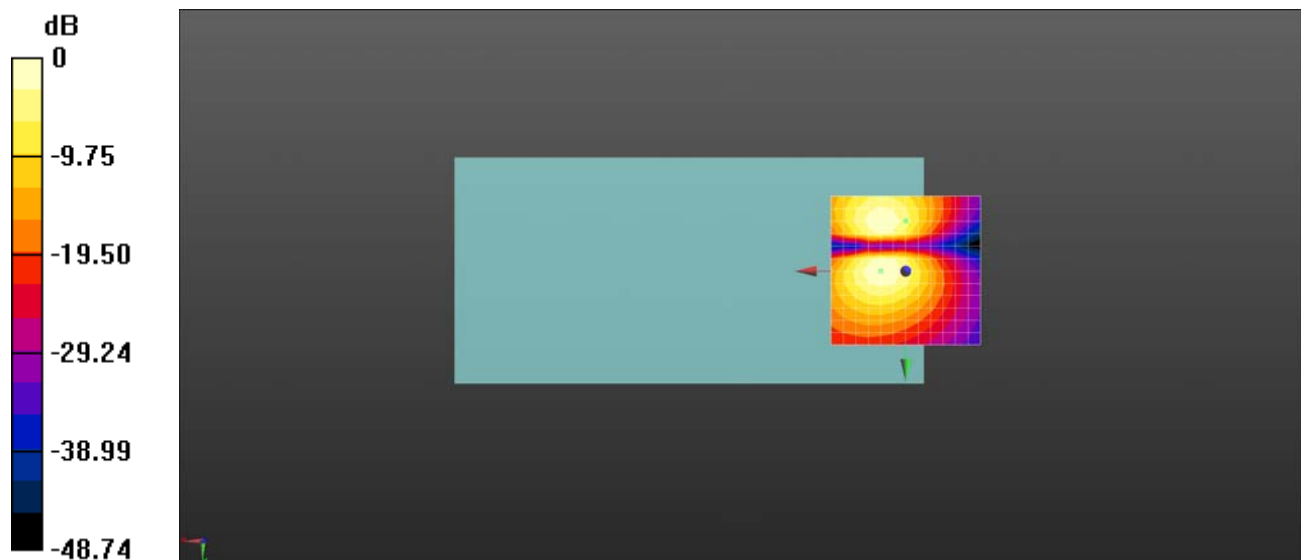
dx=10mm, dy=10mm

ABM1/ABM2 = 30.89 dB

ABM1 comp = 0.72 dBA/m

BWC Factor = 0.04 dB

Location: 0, -16.7, 3.7 mm



0 dB = 1.867 A/m = 5.42 dBA/m

HAC_T-Coil_VoWiFi 5.3GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch120_Z

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5600 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch120/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

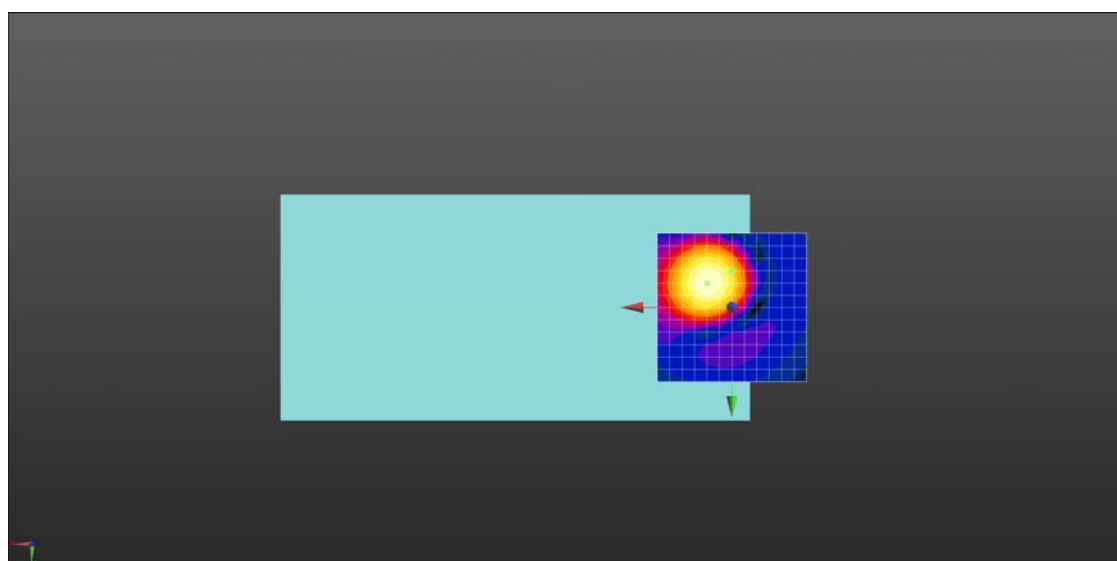
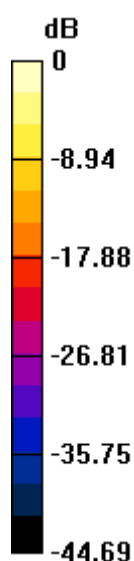
dx=10mm, dy=10mm

ABM1/ABM2 = 31.83 dB

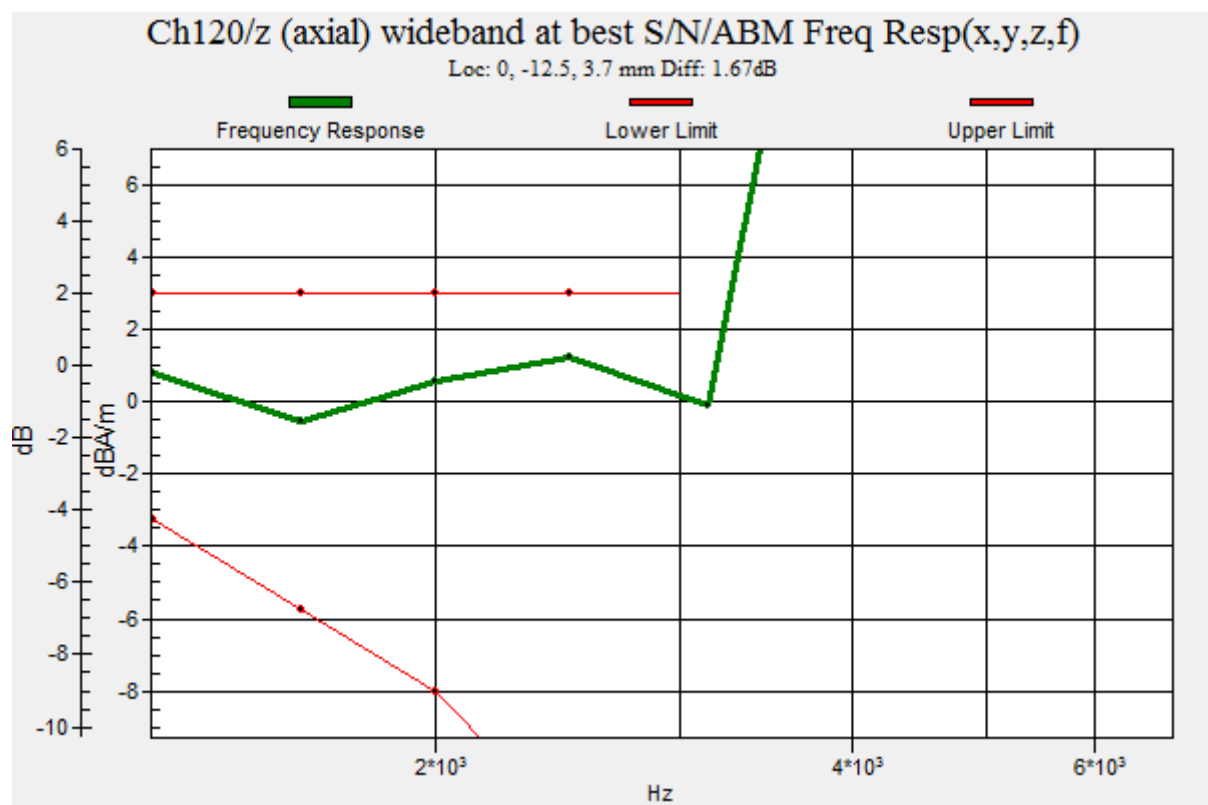
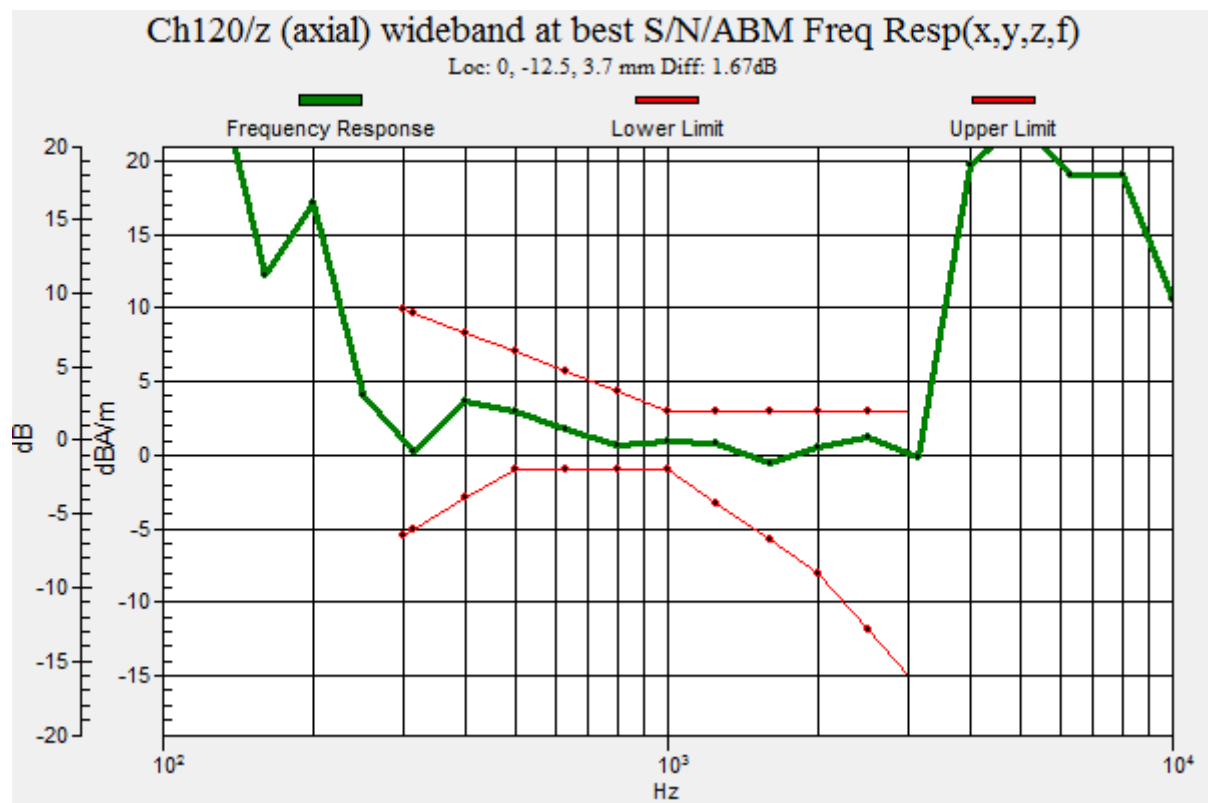
ABM1 comp = 4.30 dBA/m

BWC Factor = 0.04 dB

Location: 0, -12.5, 3.7 mm



0 dB = 4.476 A/m = 13.02 dBA/m



HAC_T-Coil_VoWiFi 5.3GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch120_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5600 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch120/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

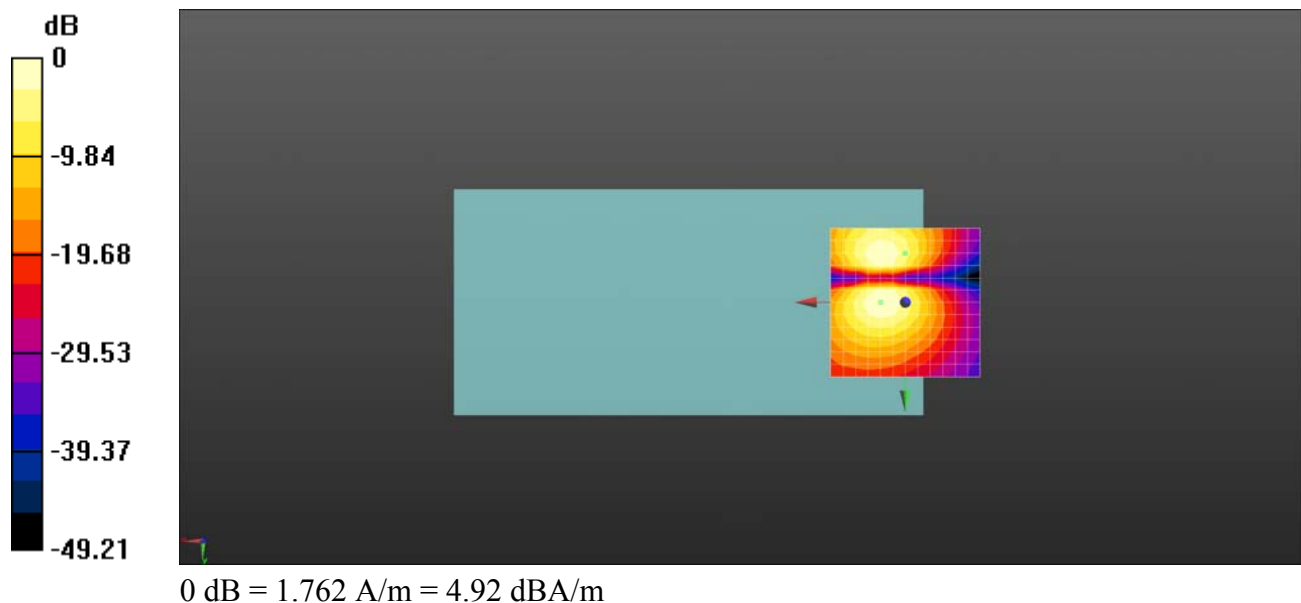
dx=10mm, dy=10mm

ABM1/ABM2 = 31.59 dB

ABM1 comp = 0.19 dBA/m

BWC Factor = 0.04 dB

Location: 0, -16.7, 3.7 mm



HAC_T-Coil_VoWiFi 5.8GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch157_Z

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

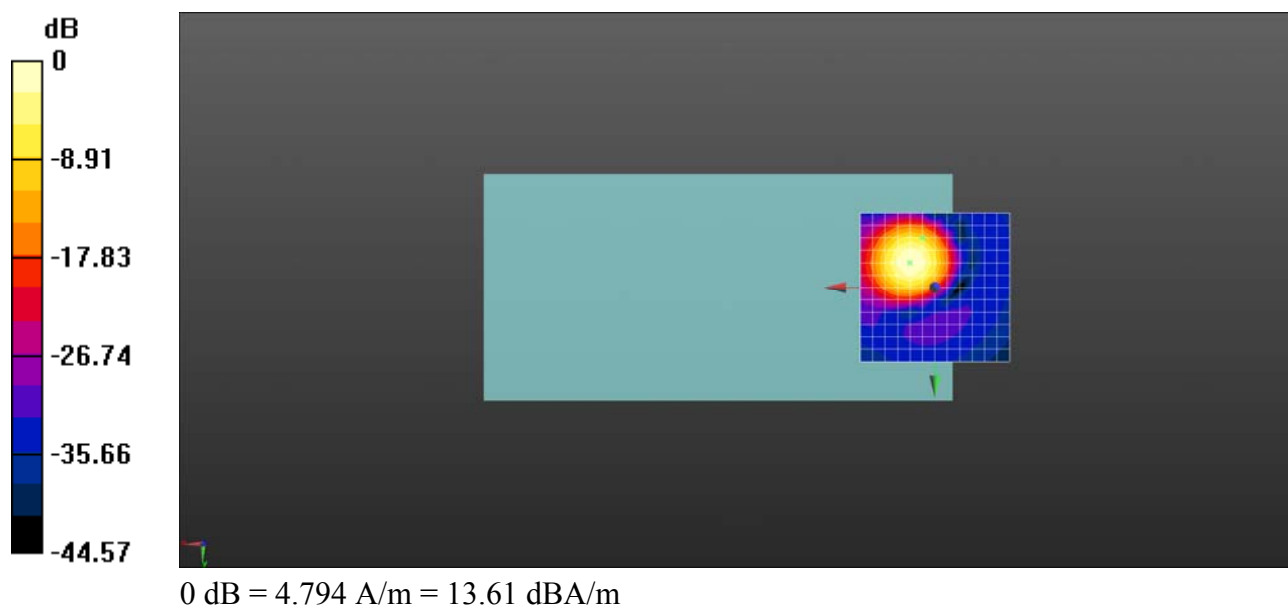
dx=10mm, dy=10mm

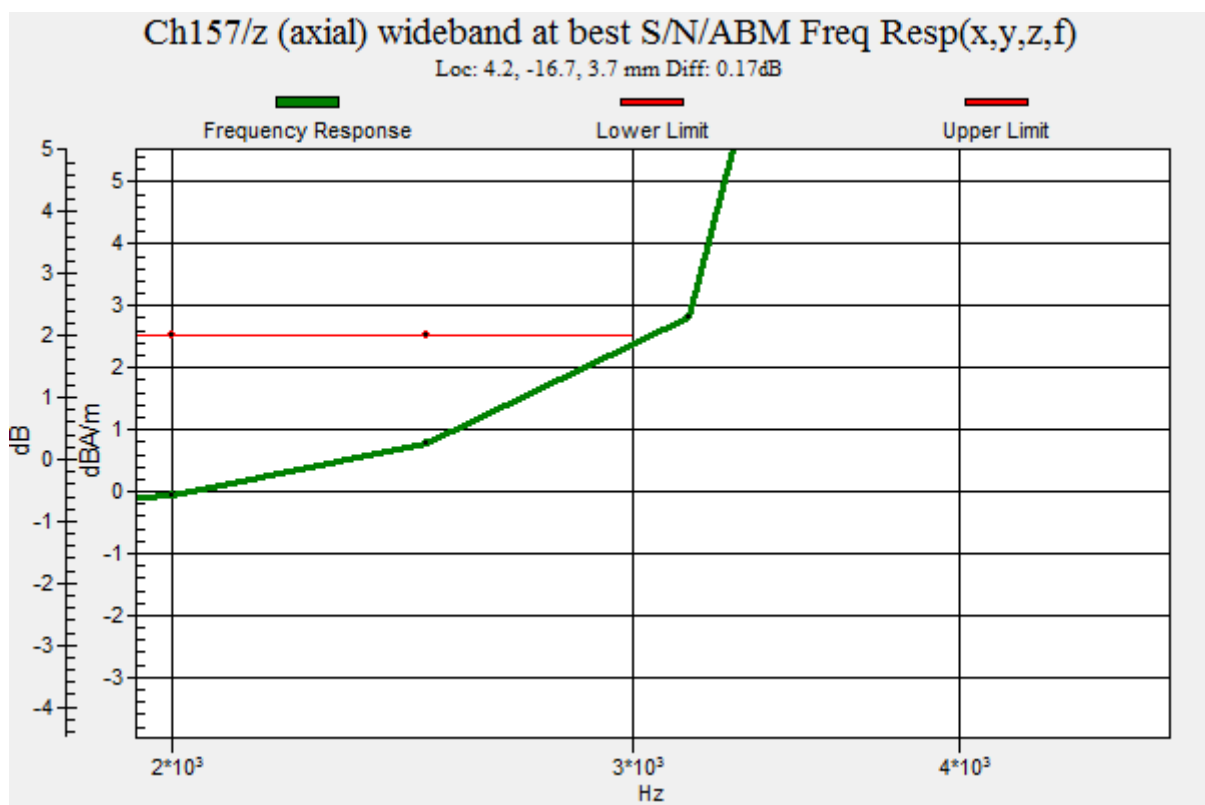
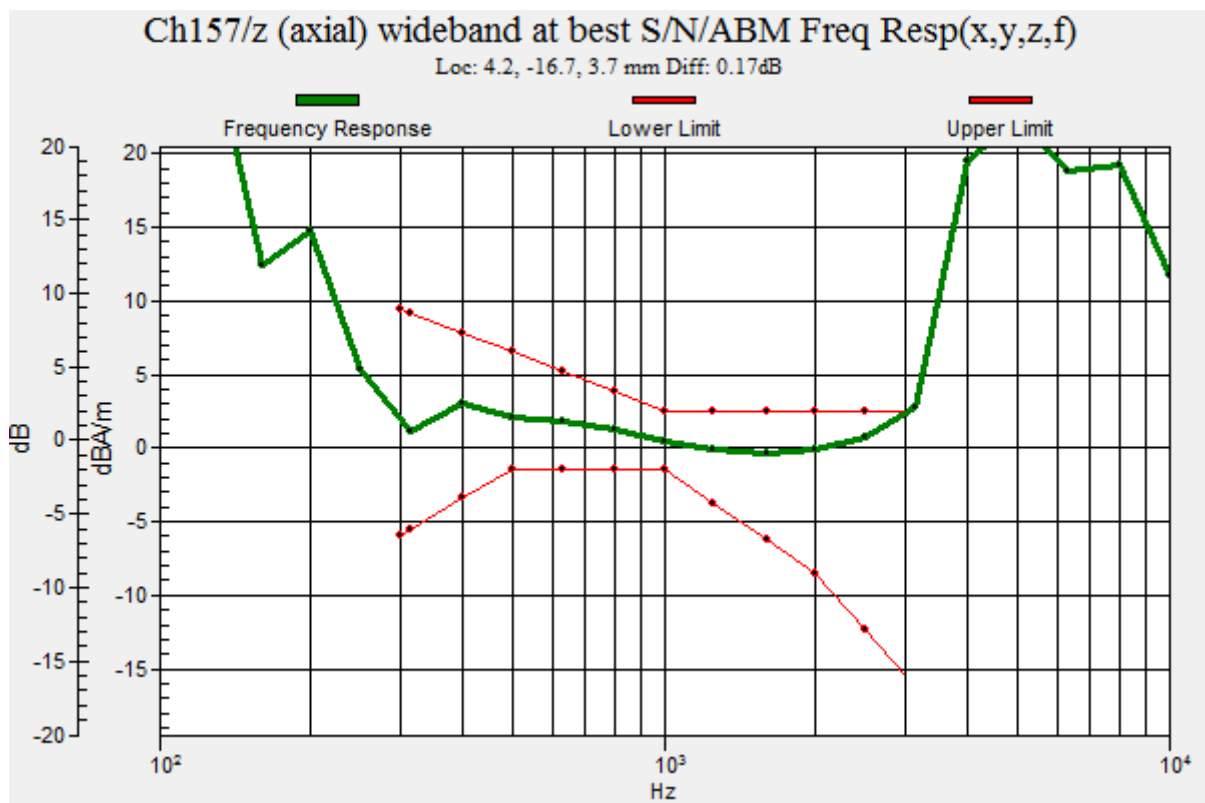
ABM1/ABM2 = 30.87 dB

ABM1 comp = 4.60 dBA/m

BWC Factor = 0.03 dB

Location: 4.2, -16.7, 3.7 mm





HAC_T-Coil_VoWiFi 5.8GHz_802.11a 6Mbps_AMR 4.75Kbps_Ch157_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

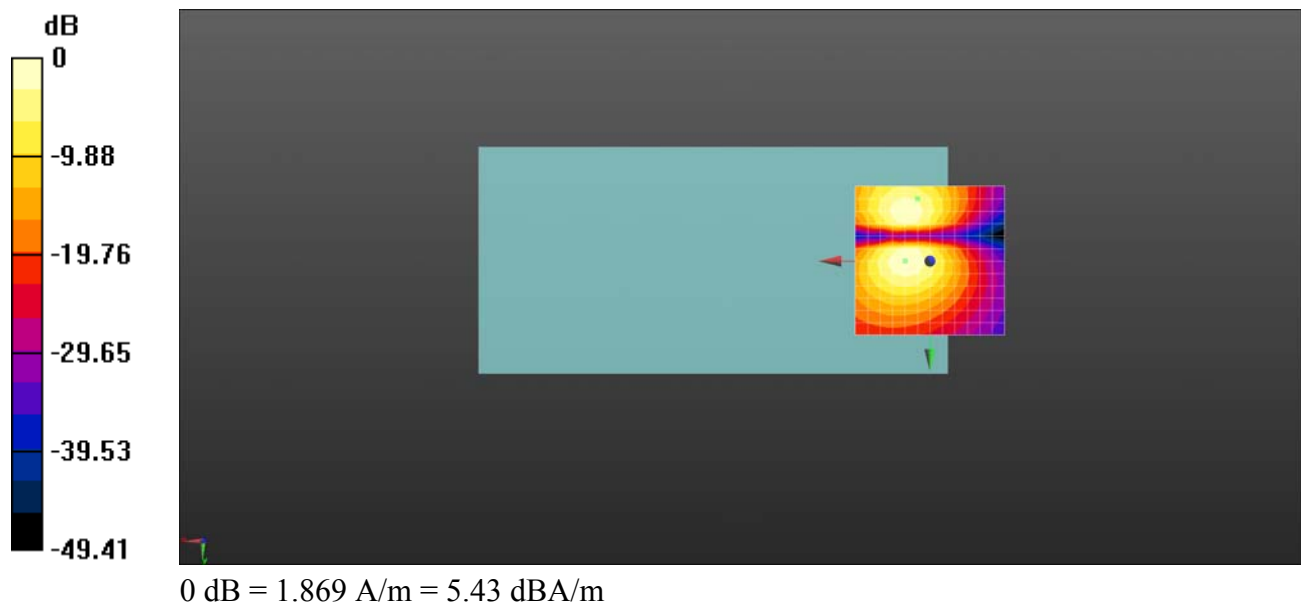
dx=10mm, dy=10mm

ABM1/ABM2 = 30.77 dB

ABM1 comp = 1.77 dBA/m

BWC Factor = 0.03 dB

Location: 4.2, -20.8, 3.7 mm



HAC_T-Coil_VoWiFi 5.8GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch157_Z

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);
Frequency: 5785 MHz; Duty Cycle: 1:6.44169

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

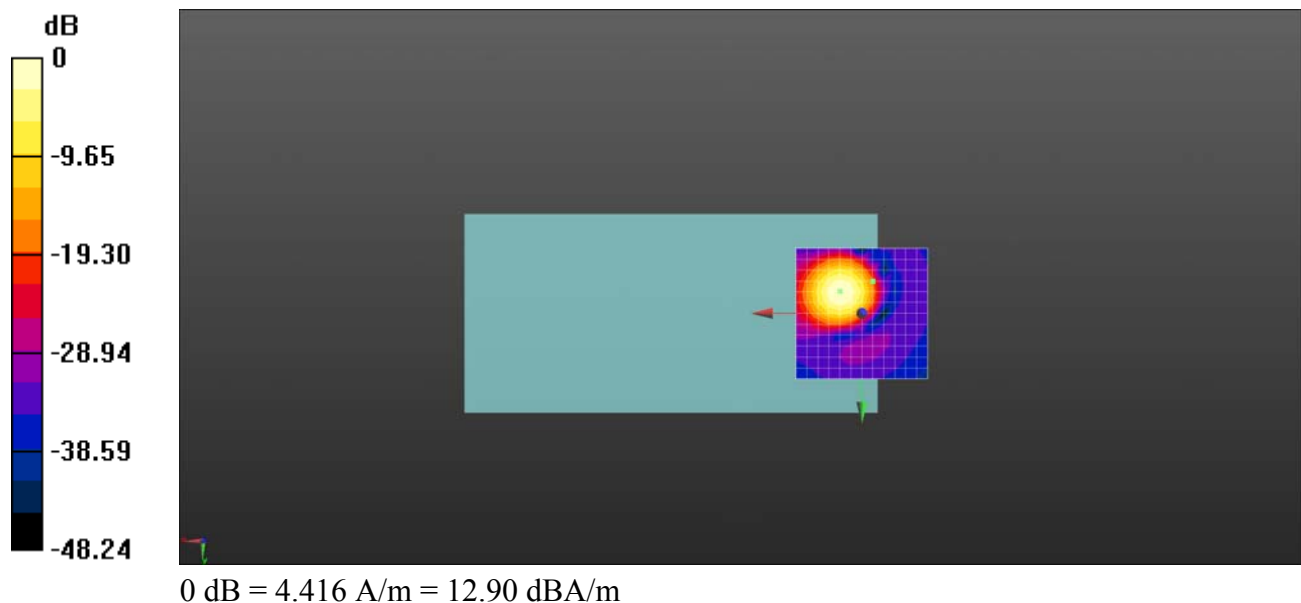
dx=10mm, dy=10mm

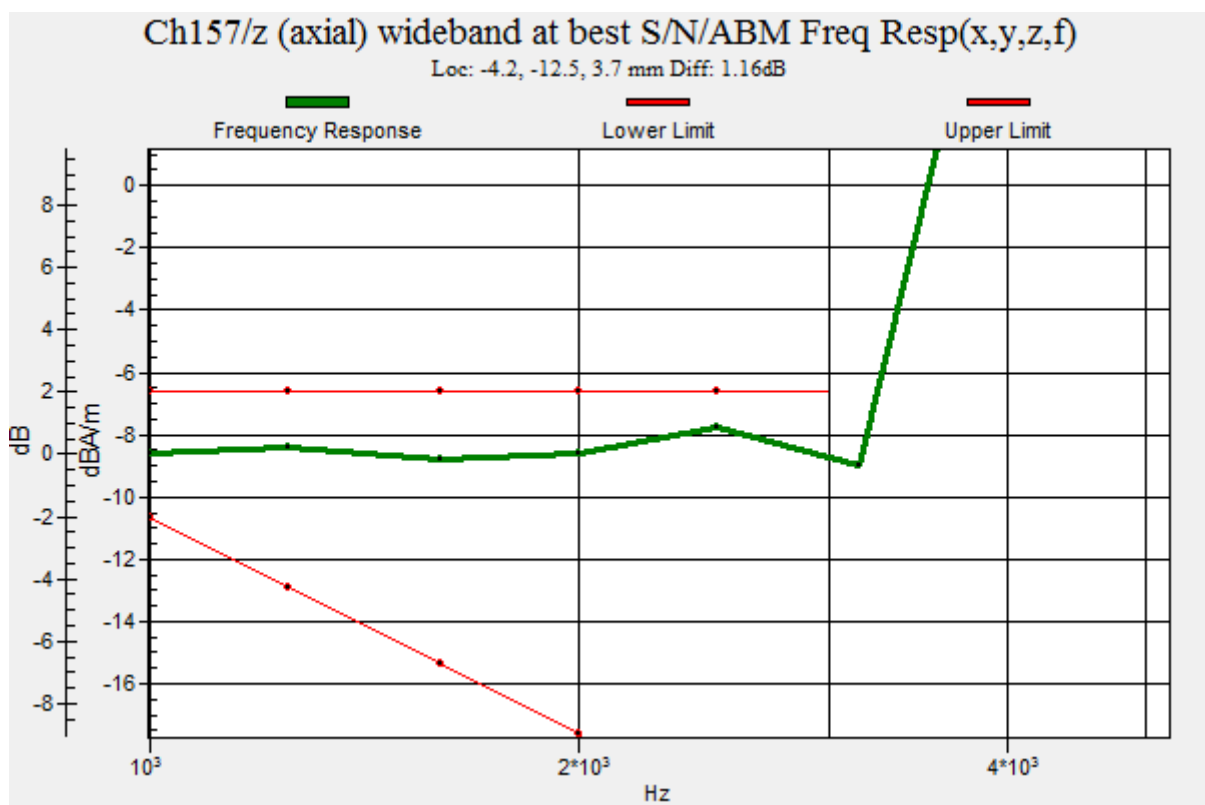
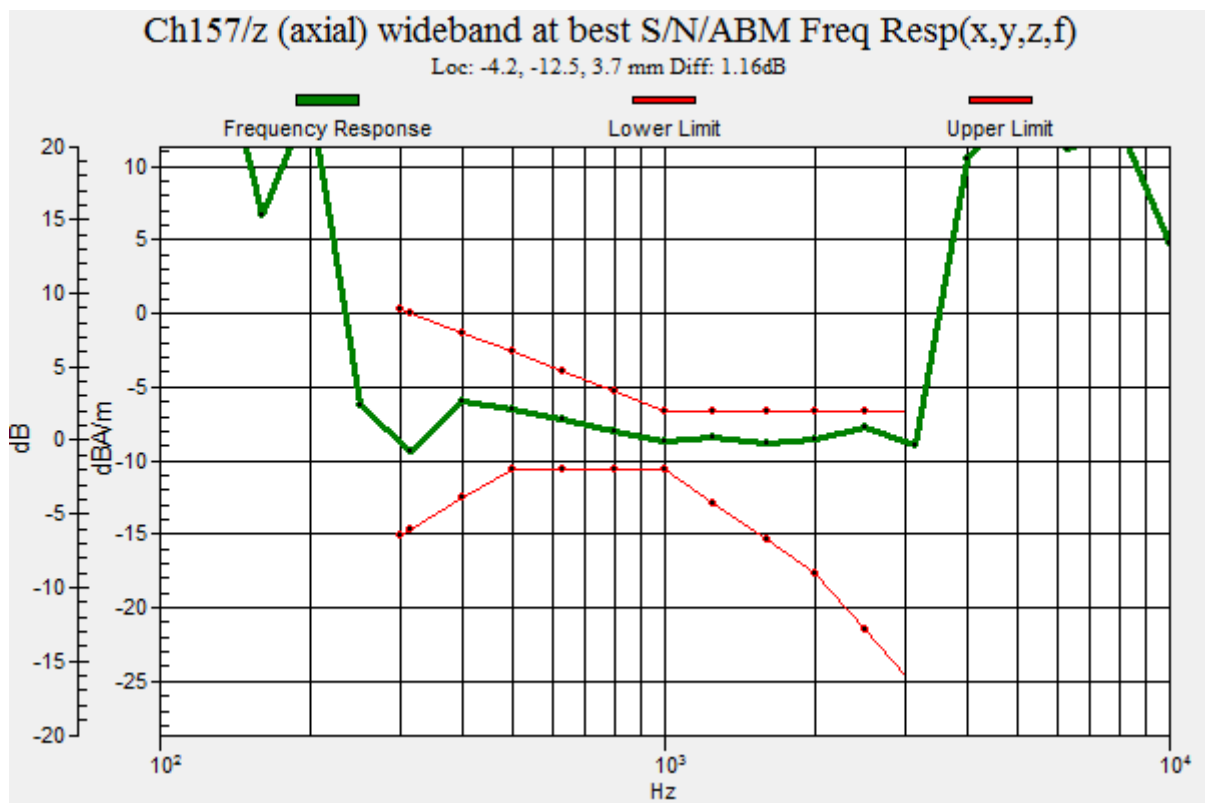
ABM1/ABM2 = 32.05 dB

ABM1 comp = -5.05 dBA/m

BWC Factor = 0.05 dB

Location: -4.2, -12.5, 3.7 mm





HAC_T-Coil_VoWiFi 5.8GHz_802.11n-HT20 MCS0_AMR 4.75Kbps_Ch157_Y

Communication System: UID 10193 - CAA, IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK);
Frequency: 5785 MHz; Duty Cycle: 1:6.44169

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

Ambient Temperature : 23.2

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

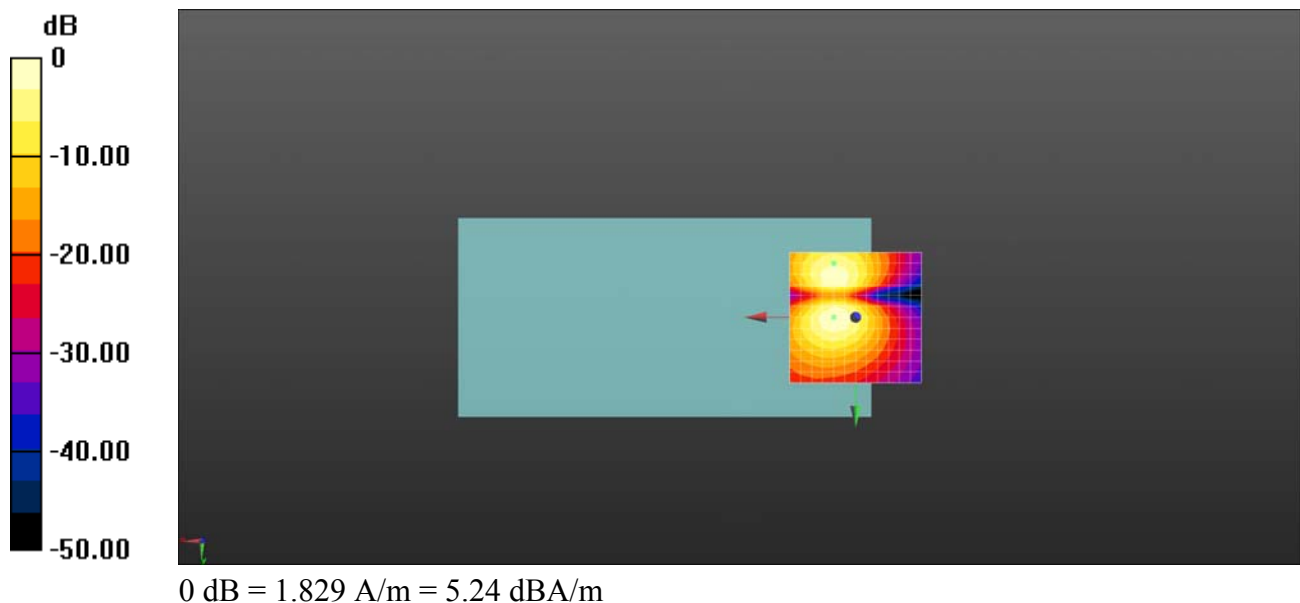
dx=10mm, dy=10mm

ABM1/ABM2 = 31.94 dB

ABM1 comp = 1.86 dBA/m

BWC Factor = 0.05 dB

Location: 8.3, -20.8, 3.7 mm



HAC_T-Coil_VoWiFi 5.8GHz_802.11n-HT40 MCS0_AMR 4.75Kbps_Ch159_Z

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);

Frequency: 5795 MHz; Duty Cycle: 1:6.4121

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: 2020.06.18

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

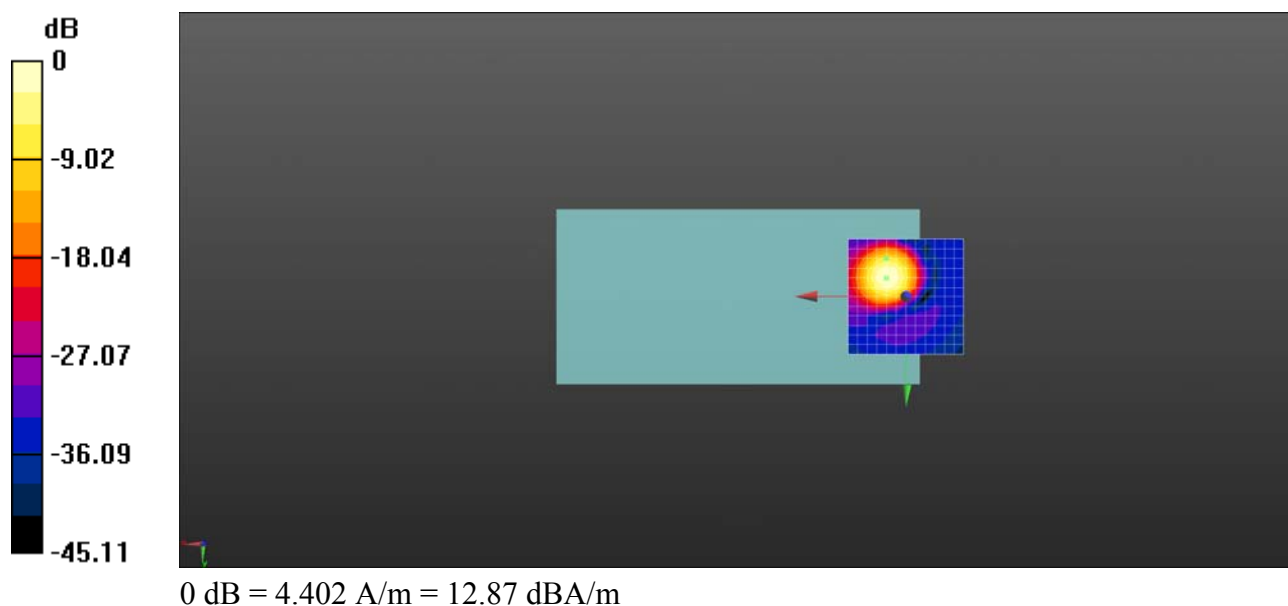
dx=10mm, dy=10mm

ABM1/ABM2 = 32.20 dB

ABM1 comp = 6.01 dBA/m

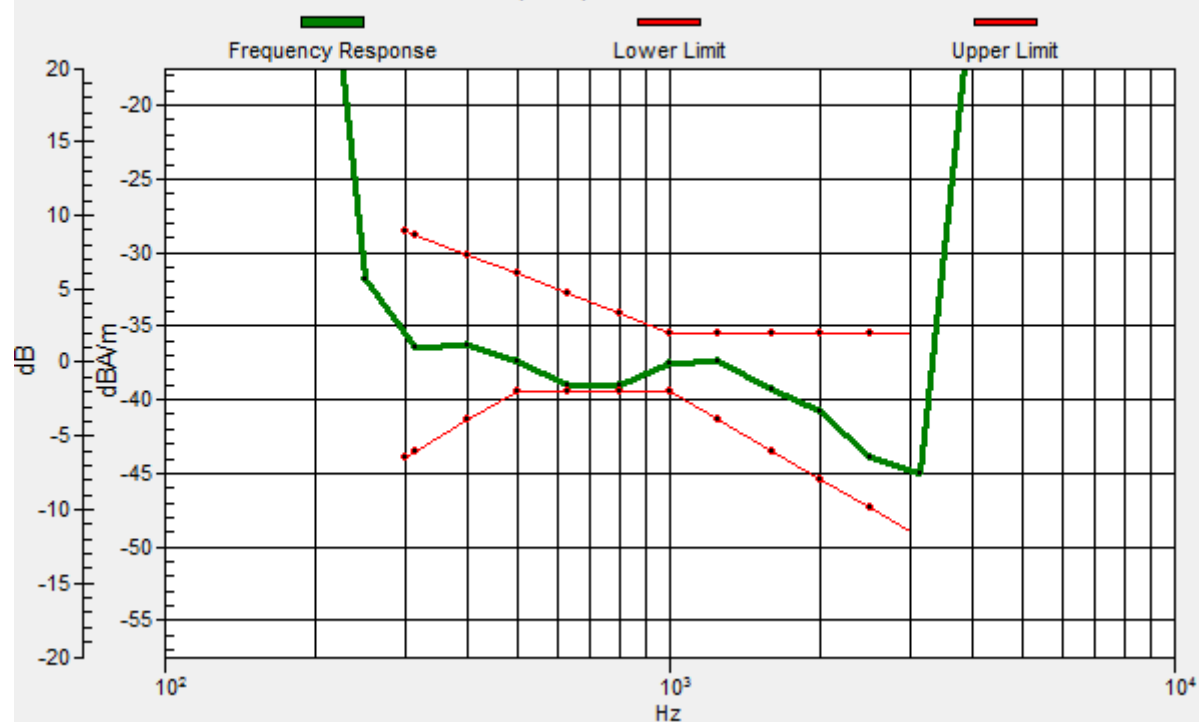
BWC Factor = 0.08 dB

Location: 8.3, -16.7, 3.7 mm



Ch159/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -16.7, 3.7 mm Diff: 0.39dB



HAC_T-Coil_VoWiFi 5.8GHz_802.11n-HT40 MCS0_AMR 4.75Kbps_Ch159_Y

Communication System: UID 10117 - CAA, IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK);
Frequency: 5795 MHz; Duty Cycle: 1:6.4121

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

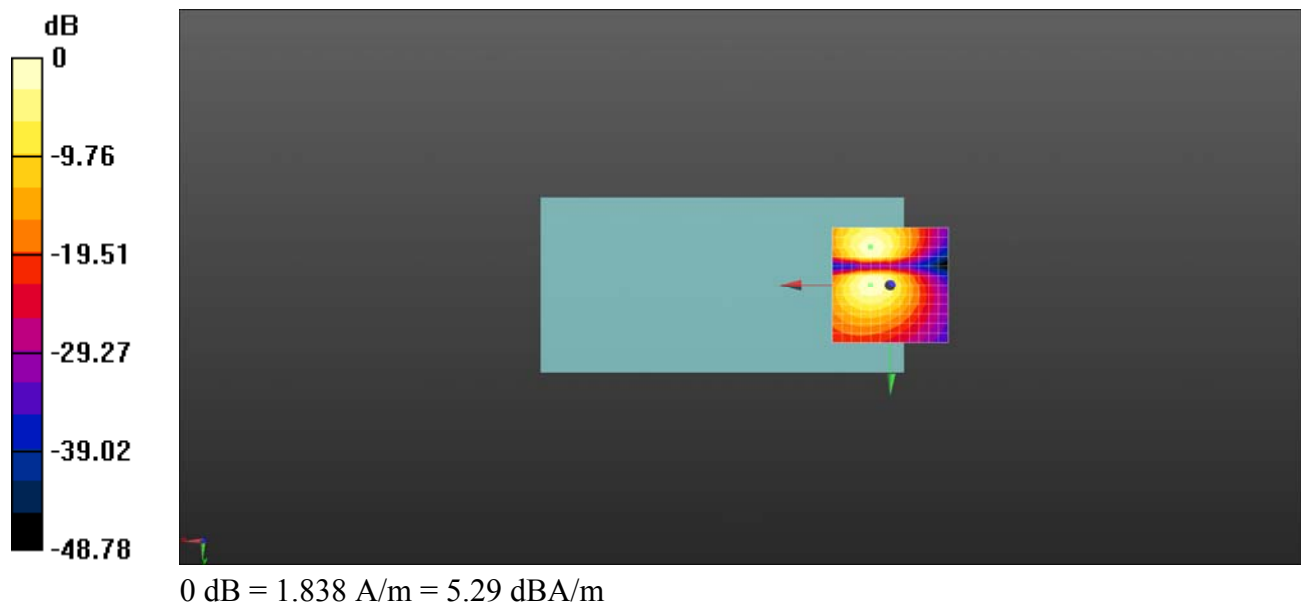
dx=10mm, dy=10mm

ABM1/ABM2 = 32.18 dB

ABM1 comp = 4.56 dBA/m

BWC Factor = 0.08 dB

Location: 8.3, -16.7, 3.7 mm



HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT20 MCS0_AMR 4.75Kbps_Ch157_Z

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:6.87068

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

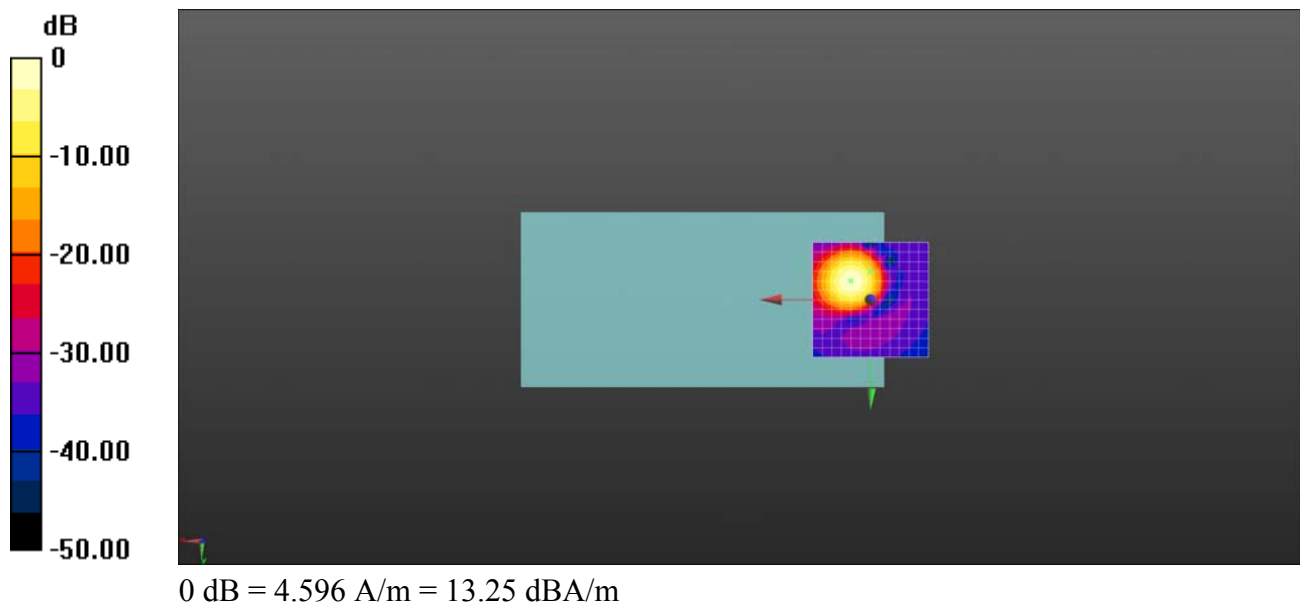
dx=10mm, dy=10mm

ABM1/ABM2 = 32.05 dB

ABM1 comp = 3.61 dBA/m

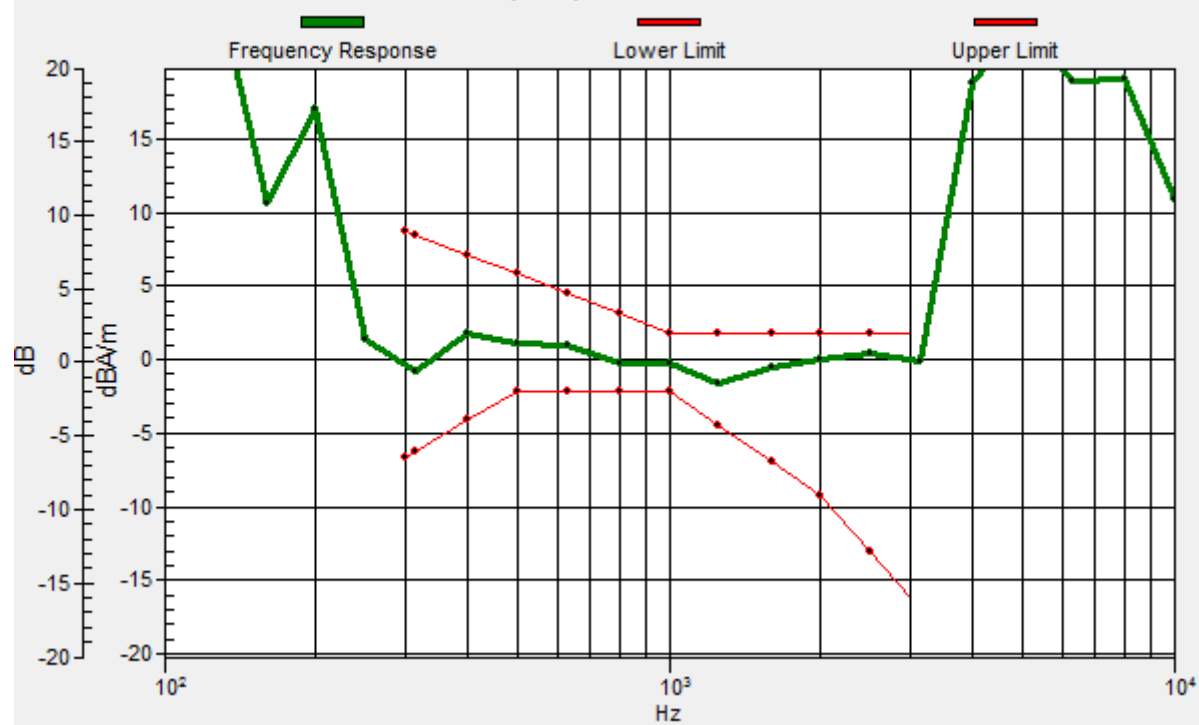
BWC Factor = 0.04 dB

Location: 0, -12.5, 3.7 mm



Ch157/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -12.5, 3.7 mm Diff: 1.41dB



HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT20 MCS0_AMR 4.75Kbps_Ch157_Y

Communication System: UID 10400 - AAA, IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:6.87068

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

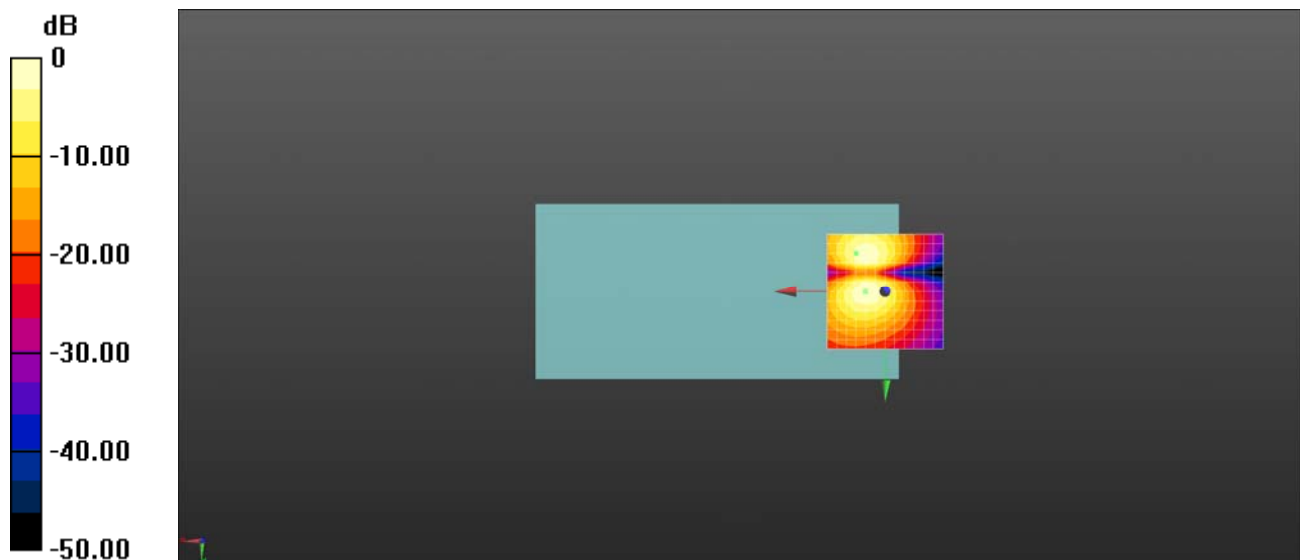
dx=10mm, dy=10mm

ABM1/ABM2 = 32.02 dB

ABM1 comp = 2.90 dBA/m

BWC Factor = 0.04 dB

Location: 12.5, -16.7, 3.7 mm



0 dB = 1.764 A/m = 4.93 dBA/m

HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT40 MCS0_AMR 4.75Kbps_Ch159_Z

Communication System: UID 10401 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5795 MHz; Duty Cycle: 1:7.24436

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

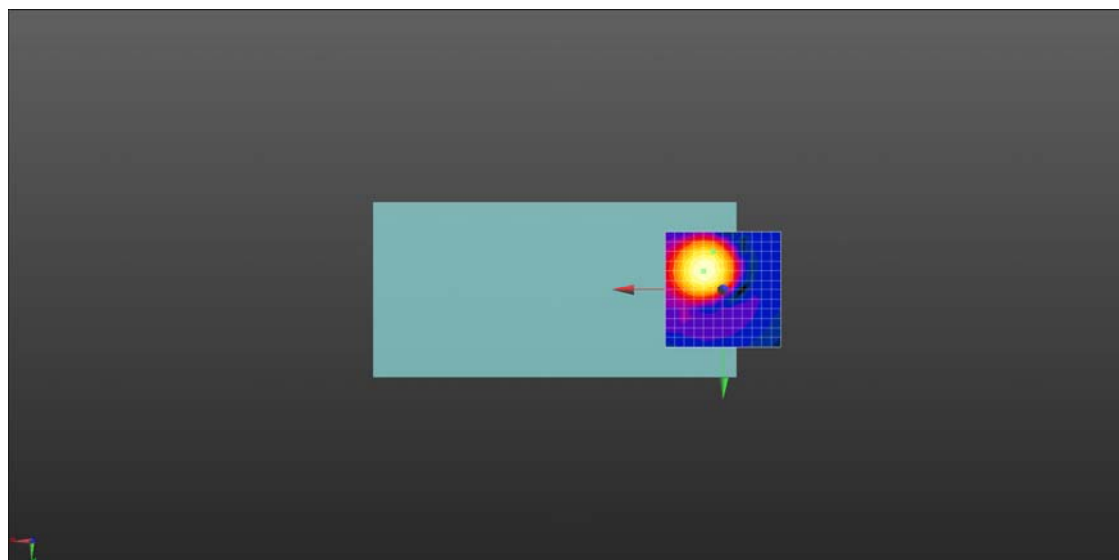
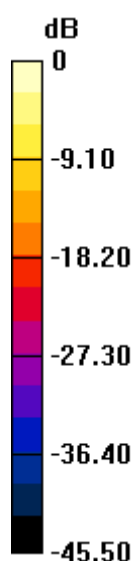
dx=10mm, dy=10mm

ABM1/ABM2 = 31.97 dB

ABM1 comp = 4.52 dBA/m

BWC Factor = 0.05 dB

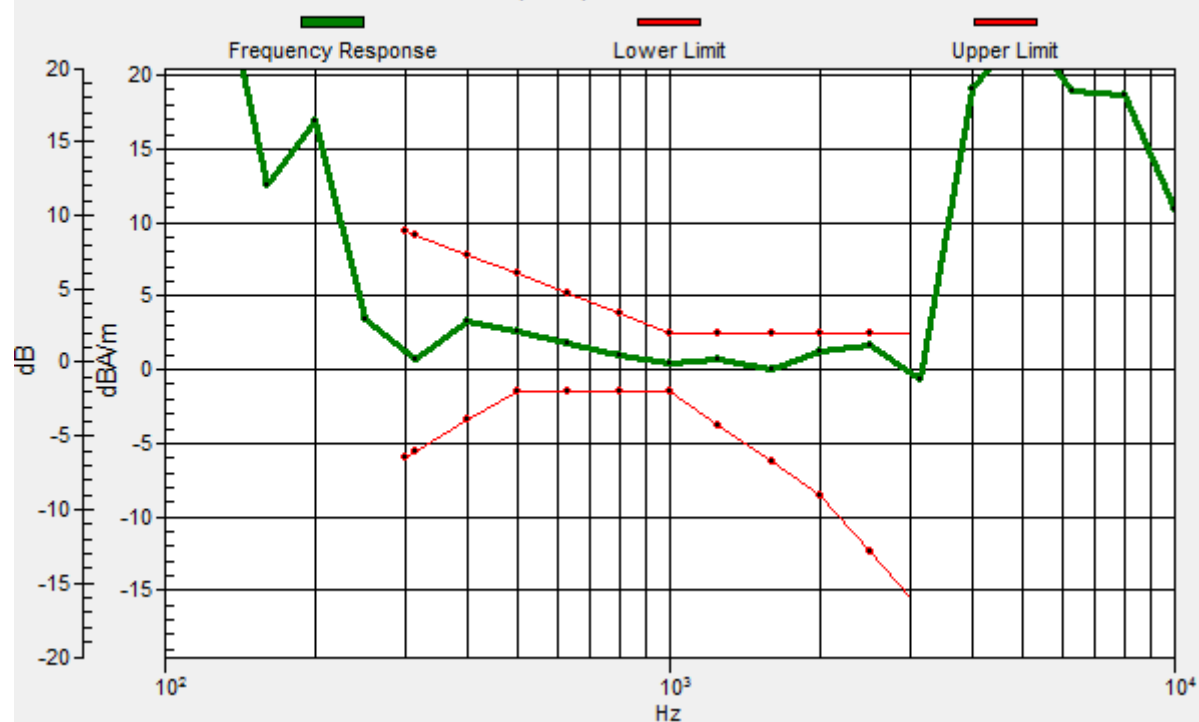
Location: 4.2, -16.7, 3.7 mm



0 dB = 4.613 A/m = 13.28 dBA/m

Ch159/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -16.7, 3.7 mm Diff: 0.79dB



HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT40 MCS0_AMR 4.75Kbps_Ch159_Y

Communication System: UID 10401 - AAA, IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle); Frequency: 5795 MHz; Duty Cycle: 1:7.24436

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch159/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

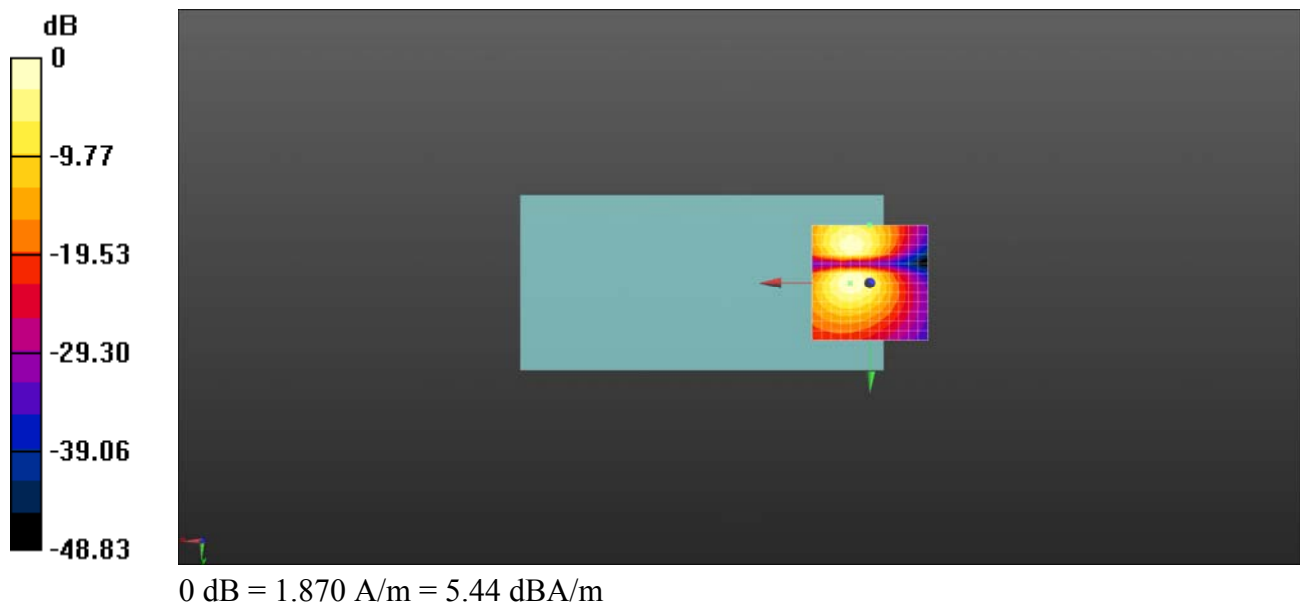
dx=10mm, dy=10mm

ABM1/ABM2 = 32.03 dB

ABM1 comp = -3.64 dBA/m

BWC Factor = 0.05 dB

Location: 0, -25, 3.7 mm



HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT80 MCS0_AMR 4.75Kbps_Ch155_Z

Communication System: UID 10402 - AAA, IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle); Frequency: 5775 MHz; Duty Cycle: 1:7.12853

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

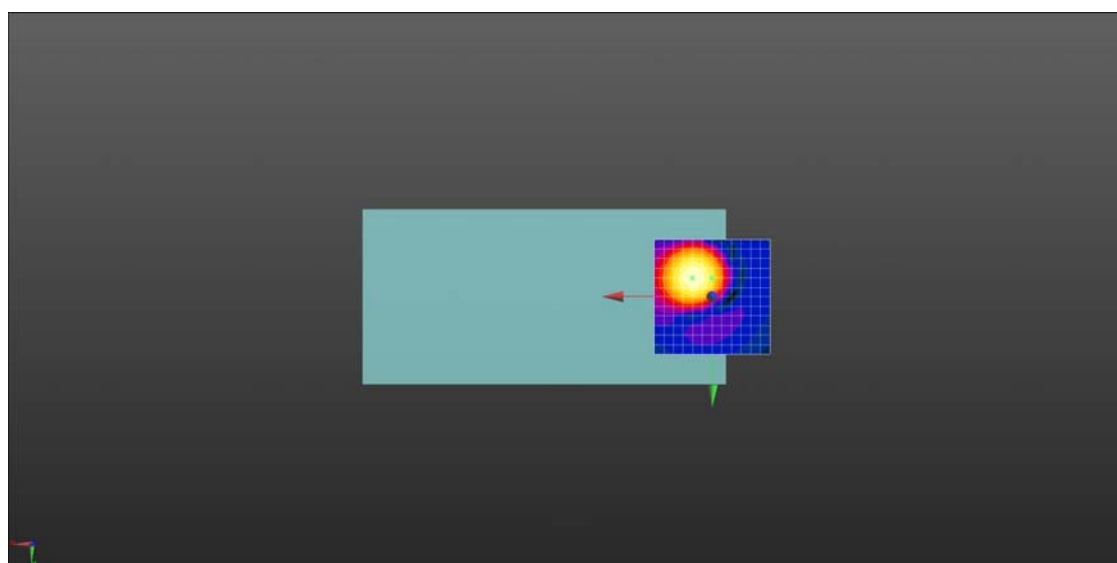
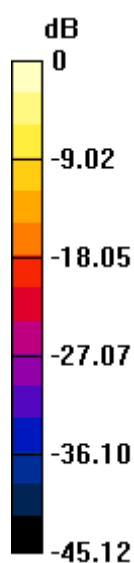
dx=10mm, dy=10mm

ABM1/ABM2 = 31.99 dB

ABM1 comp = 6.19 dBA/m

BWC Factor = 0.05 dB

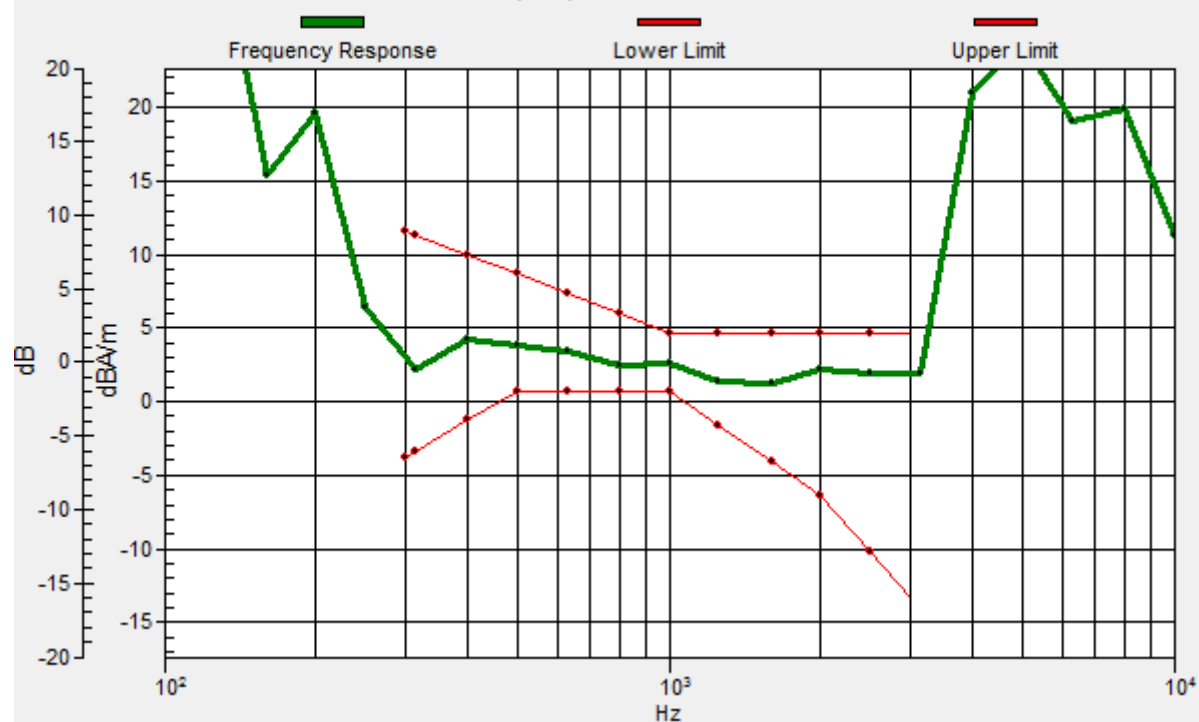
Location: 0, -8.3, 3.7 mm



0 dB = 4.572 A/m = 13.20 dBA/m

Ch155/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -8.3, 3.7 mm Diff: 1.84dB



HAC_T-Coil_VoWiFi 5.8GHz_802.11ac-VHT80 MCS0_AMR 4.75Kbps_Ch155_Y

Communication System: UID 10402 - AAA, IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle); Frequency: 5775 MHz; Duty Cycle: 1:7.12853

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch155/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

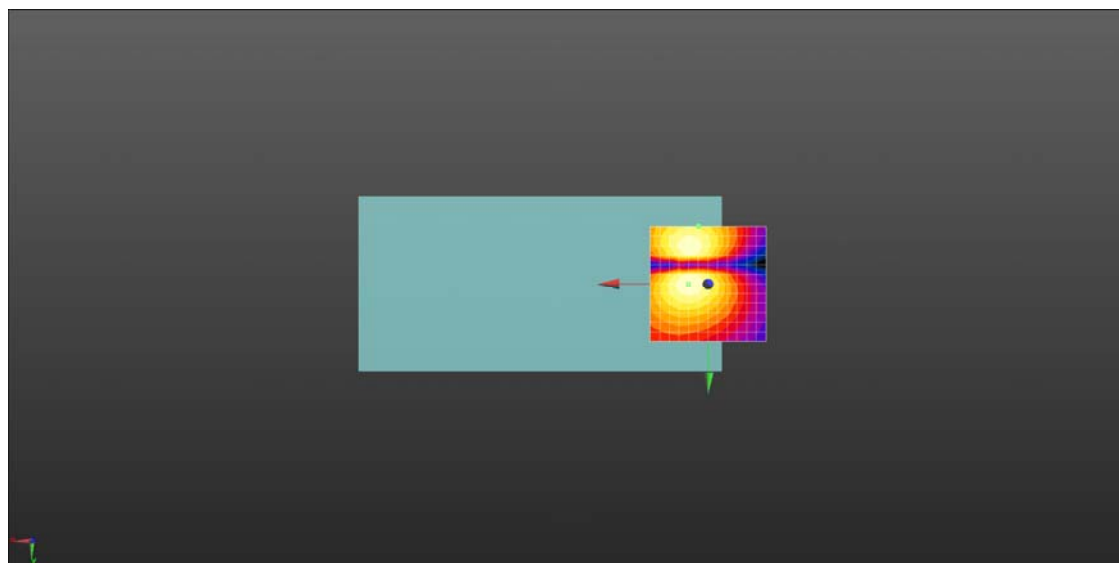
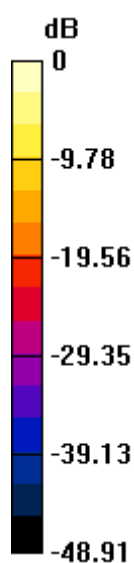
dx=10mm, dy=10mm

ABM1/ABM2 = 31.87 dB

ABM1 comp = -1.78 dBA/m

BWC Factor = 0.05 dB

Location: 4.2, -25, 3.7 mm



0 dB = 1.851 A/m = 5.35 dBA/m

HAC_T-Coil_OTT VoIP_GSM850_EDGE (4TX Slots)_Ch189_Z

Communication System: UID 10025 - DAB, EDGE-FDD (TDMA, 8PSK, TN 0); Frequency: 836.6 MHz; Duty Cycle: 1:18.281

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

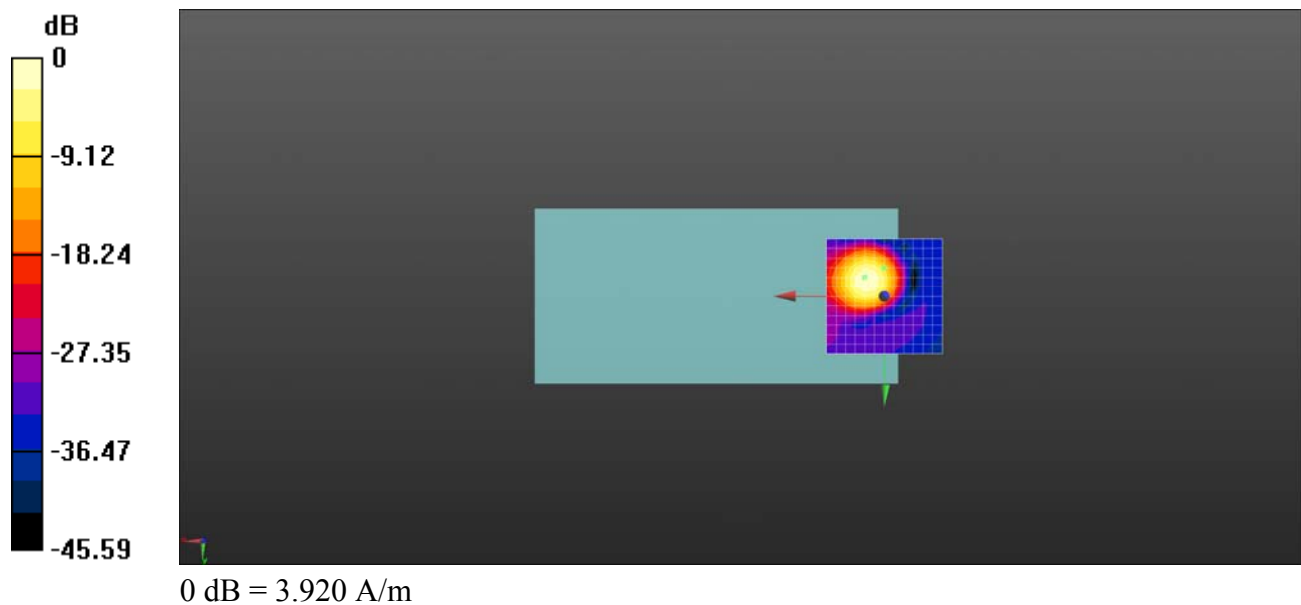
dx=10mm, dy=10mm

ABM1/ABM2 = 31.21 dB

ABM1 comp = 2.79.07 dBA/m

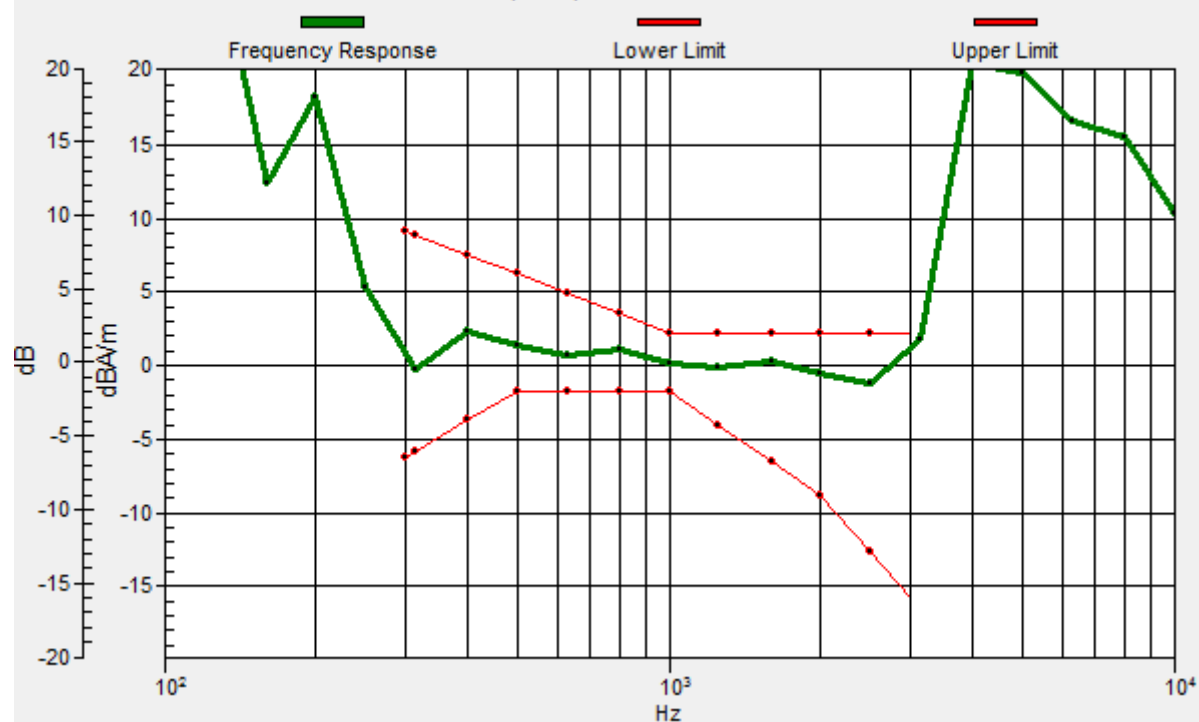
BWC Factor = 0.0086 dB

Location: 0, -12.5, 3.7 mm



Ch189/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -12.5, 3.7 mm Diff: 1.09dB



HAC_T-Coil_OTT VoIP_GSM850_EDGE (4TX Slots)_Ch189_Y

Communication System: UID 10025 - DAB, EDGE-FDD (TDMA, 8PSK, TN 0); Frequency: 836.6 MHz; Duty Cycle: 1:18.281

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

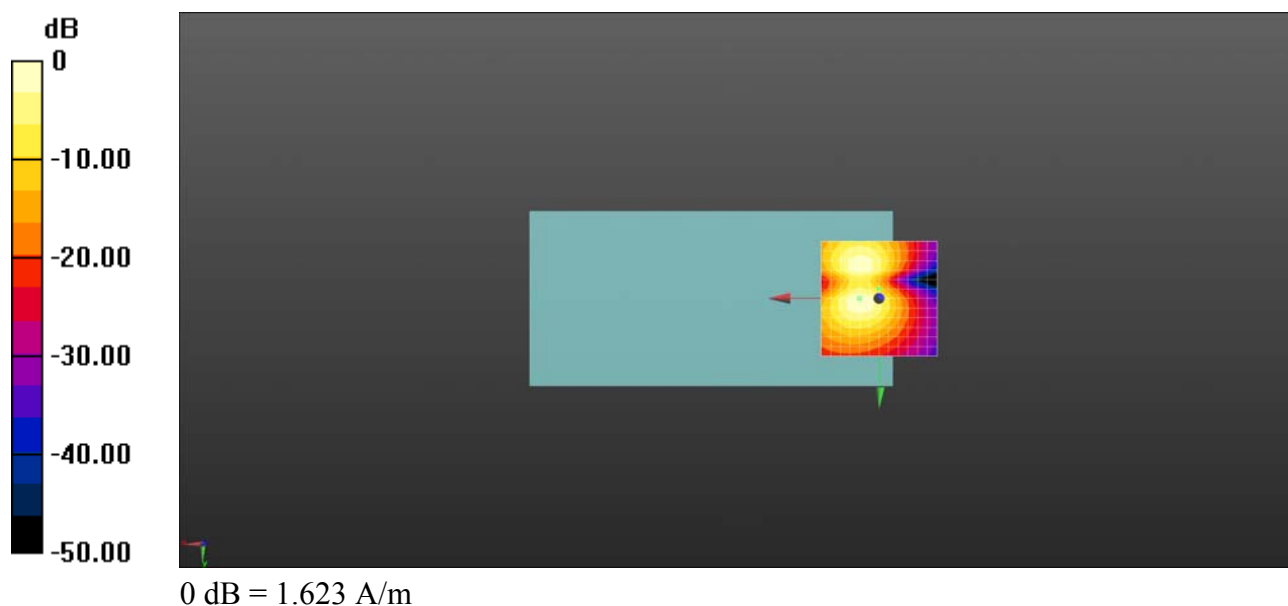
dx=10mm, dy=10mm

ABM1/ABM2 = 25.61 dB

ABM1 comp = -3.28 dBA/m

BWC Factor = 0.0086 dB

Location: 0, -4.2, 3.7 mm



HAC_T-Coil_OTT VoIP_GSM1900_EDGE (4TX Slots)_Ch661_Z

Communication System: UID 10025 - DAB, EDGE-FDD (TDMA, 8PSK, TN 0); Frequency: 1880 MHz; Duty Cycle: 1:18.281

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

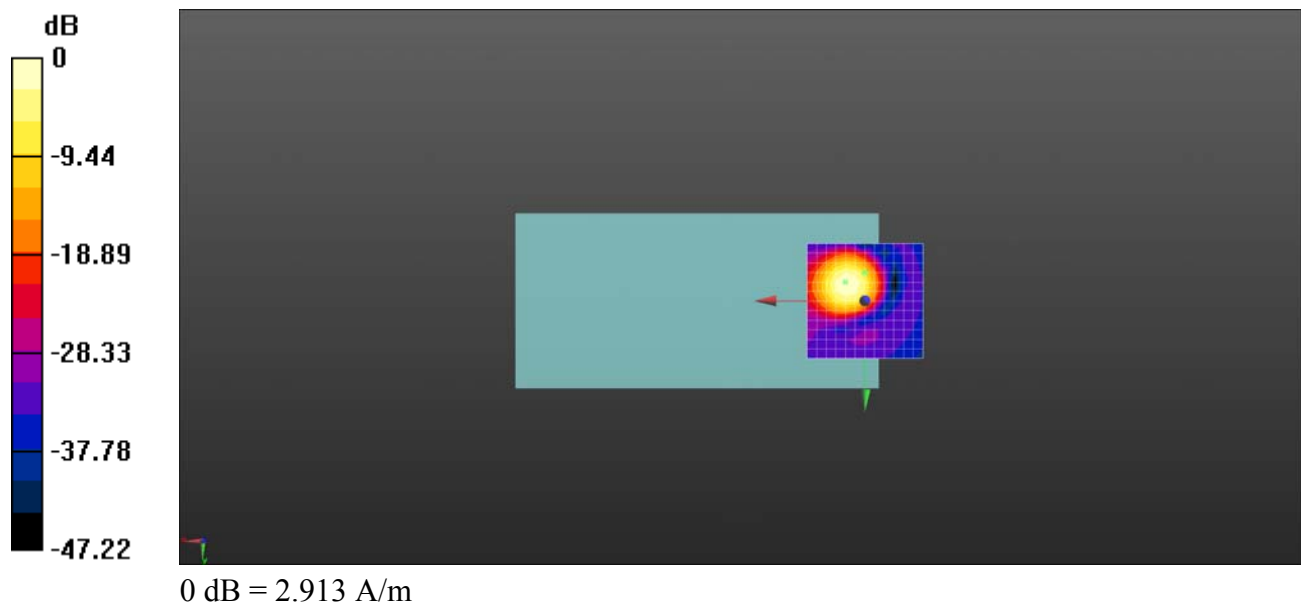
dx=10mm, dy=10mm

ABM1/ABM2 = 30.03 dB

ABM1 comp = 1.52 dBA/m

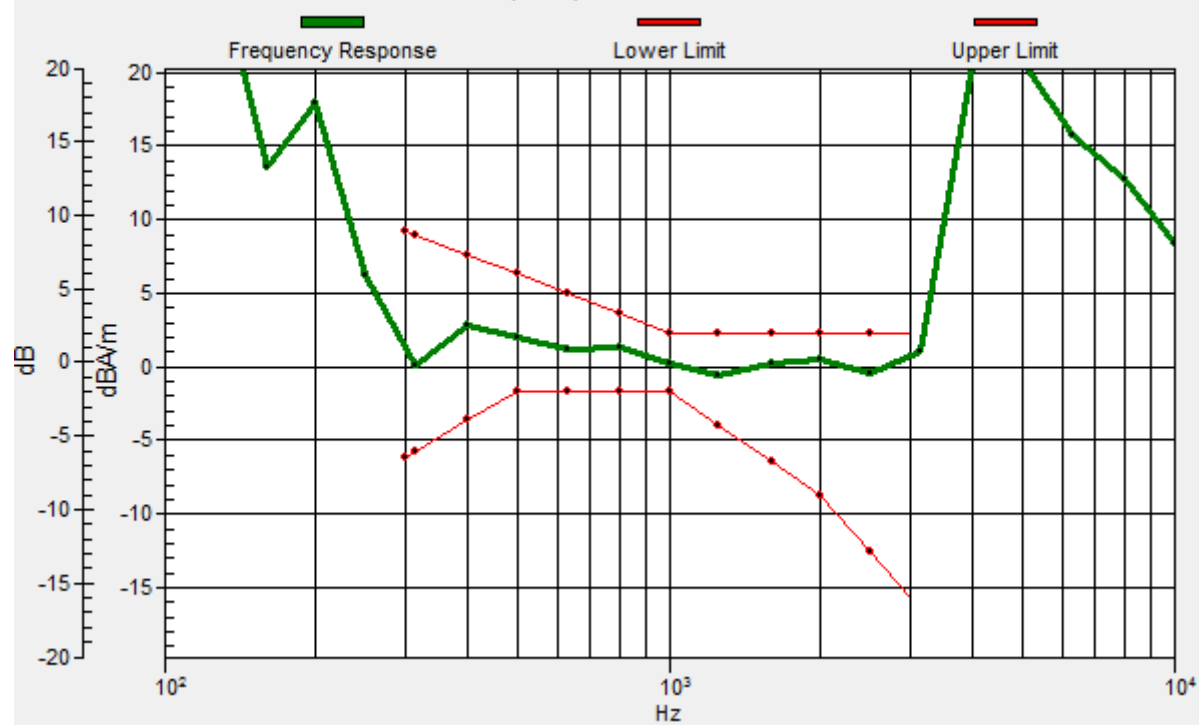
BWC Factor = 0.0089 dB

Location: 0, -12.5, 3.7 mm



Ch661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -12.5, 3.7 mm Diff: 1.64dB



HAC_T-Coil_OTT VoIP_GSM1900_EDGE (4TX Slots)_Ch661_Y

Communication System: UID 10025 - DAB, EDGE-FDD (TDMA, 8PSK, TN 0); Frequency: 1880 MHz; Duty Cycle: 1:18.281

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

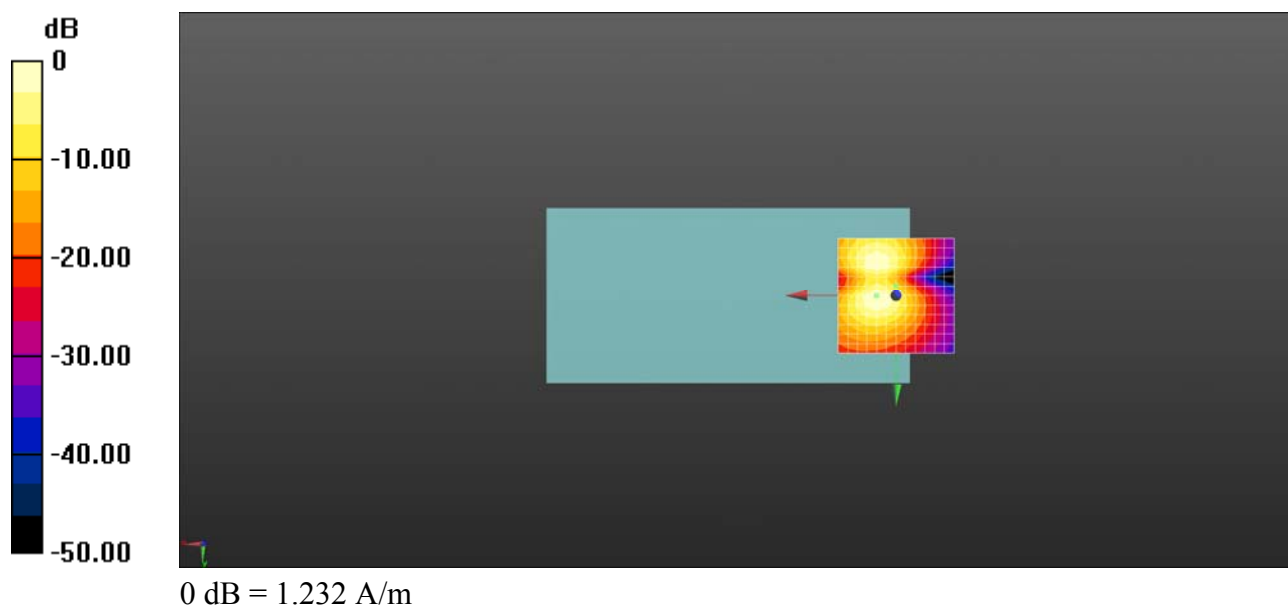
dx=10mm, dy=10mm

ABM1/ABM2 = 26.32 dB

ABM1 comp = -7.61 dBA/m

BWC Factor = 0.0089 dB

Location: 0, -4.2, 3.7 mm



HAC_T-Coil_OTT VoIP_WCDMA Band II_HSPA_Ch9400_Z

Communication System: UID 10225 - CAB, UMTS-FDD (HSPA+); Frequency: 1880 MHz; Duty Cycle: 1:3.95367

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

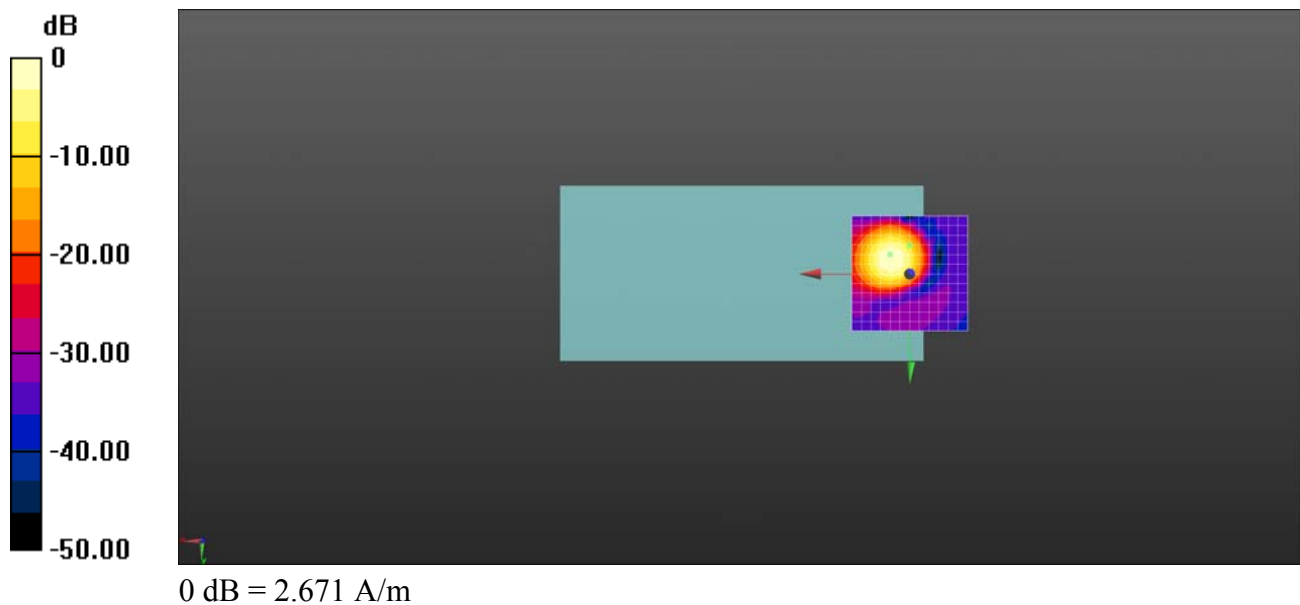
dx=10mm, dy=10mm

ABM1/ABM2 = 30.27 dB

ABM1 comp = 0.16 dBA/m

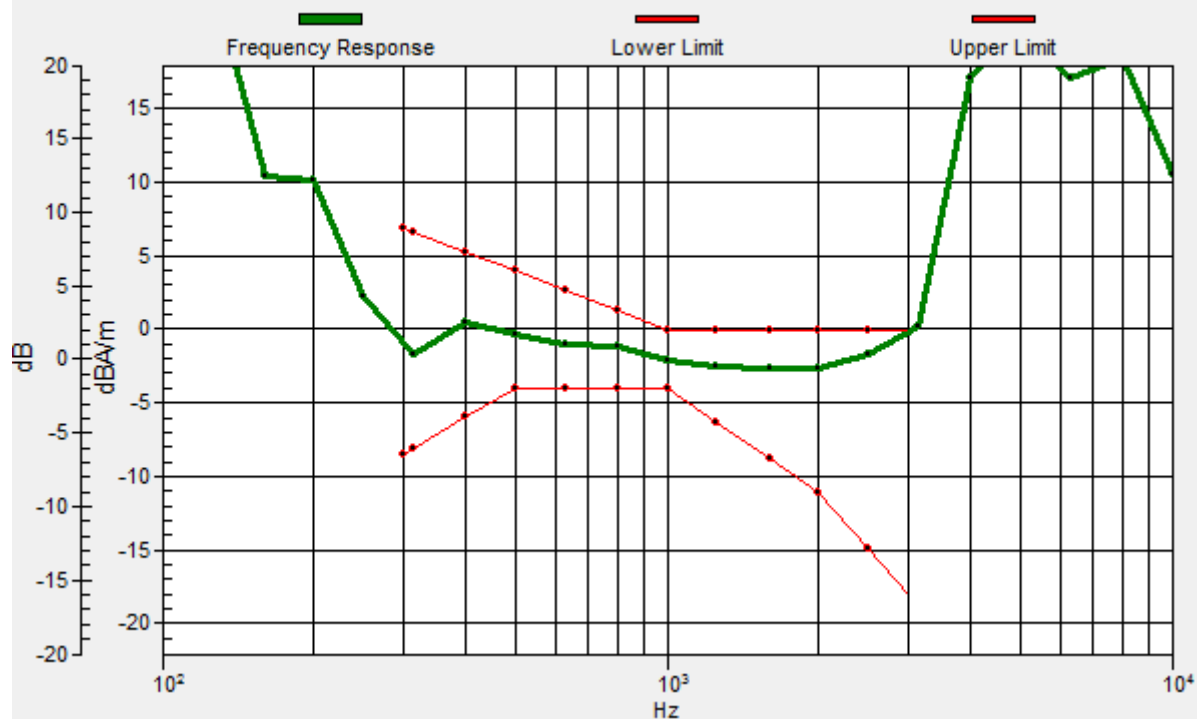
BWC Factor = 0.0076 dB

Location: 0, -13.2, 4.2 mm



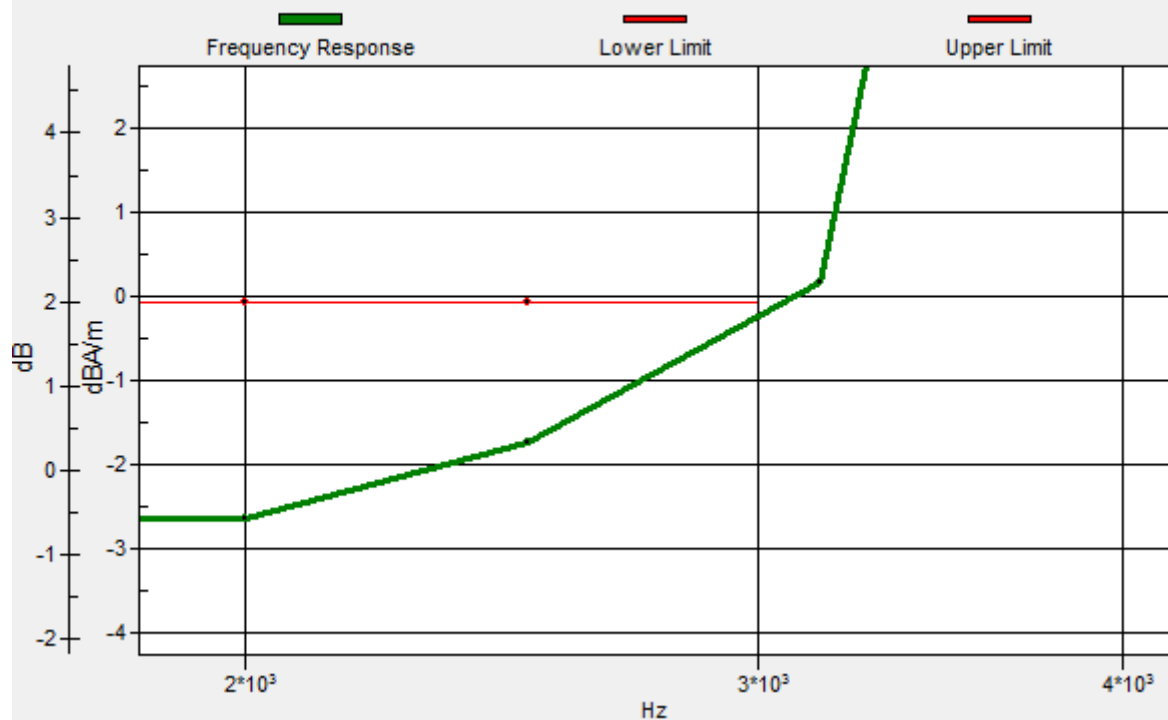
Ch9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -12.5, 3.7 mm Diff: 0.21dB



Ch9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -12.5, 3.7 mm Diff: 0.21dB



HAC_T-Coil_OTT VoIP_WCDMA Band II_HSPA_Ch9400_Y

Communication System: UID 10225 - CAB, UMTS-FDD (HSPA+); Frequency: 1880 MHz; Duty Cycle: 1:3.95367

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

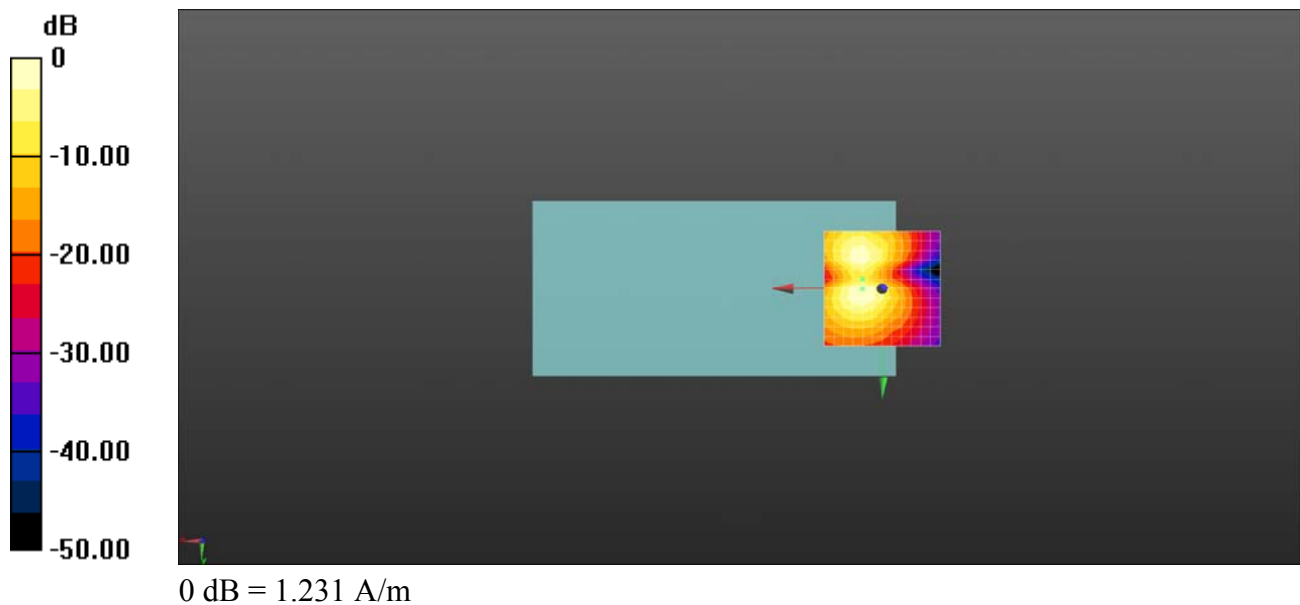
dx=10mm, dy=10mm

ABM1/ABM2 = 31.67 dB

ABM1 comp = -4.32 dBA/m

BWC Factor = 0.0076 dB

Location: 8.1, -4.7, 3.1 mm



HAC_T-Coil_OTT VoIP_WCDMA Band IV_HSPA_Ch1413

Communication System: UID 10225 - CAB, UMTS-FDD (HSPA+); Frequency: 1732.4 MHz; Duty Cycle: 1:3.95367

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

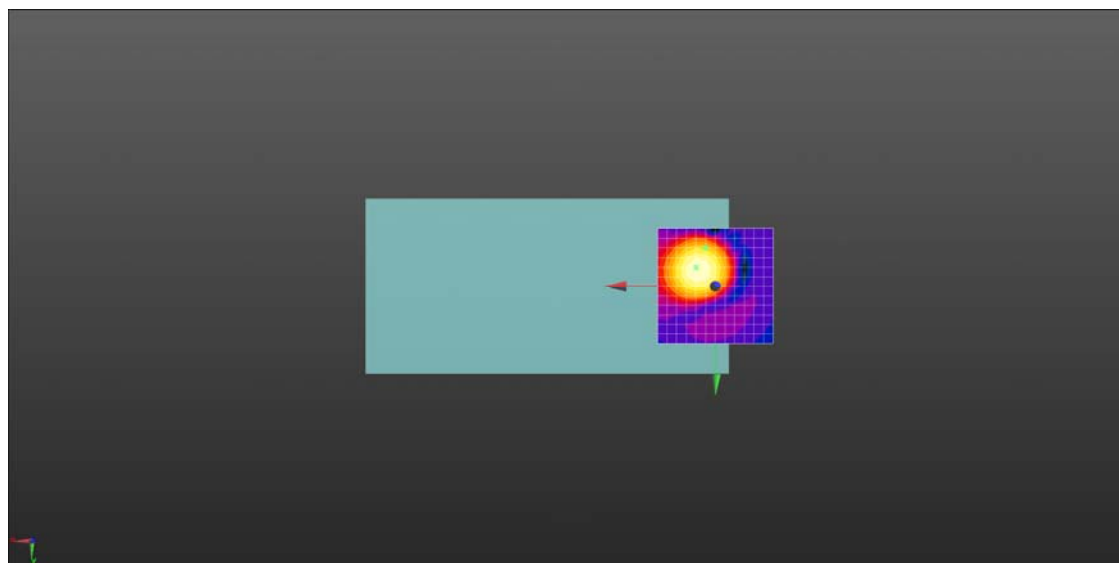
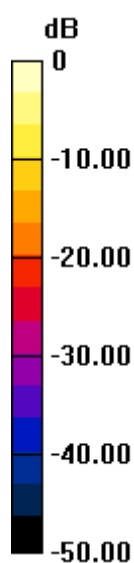
dx=10mm, dy=10mm

ABM1/ABM2 = 31.91 dB

ABM1 comp = 0.23 dBA/m

BWC Factor = 0.01 dB

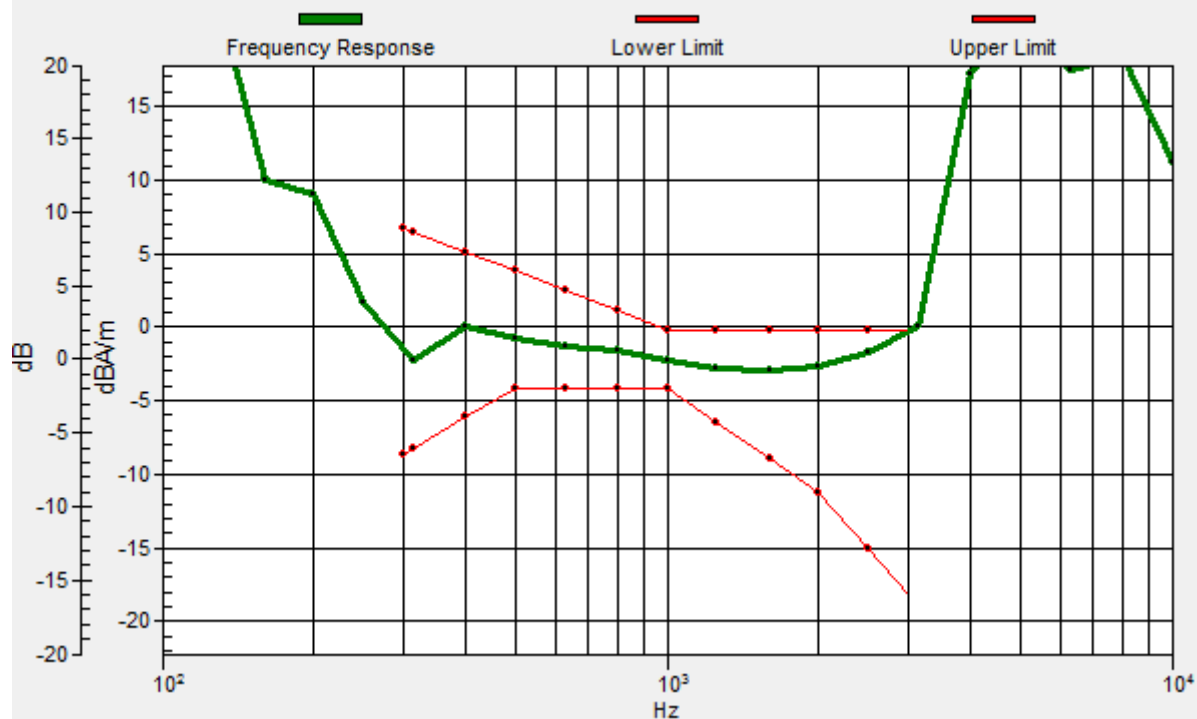
Location: 4.1, -18.1, 3.2 mm



0 dB = 3.927 A/m

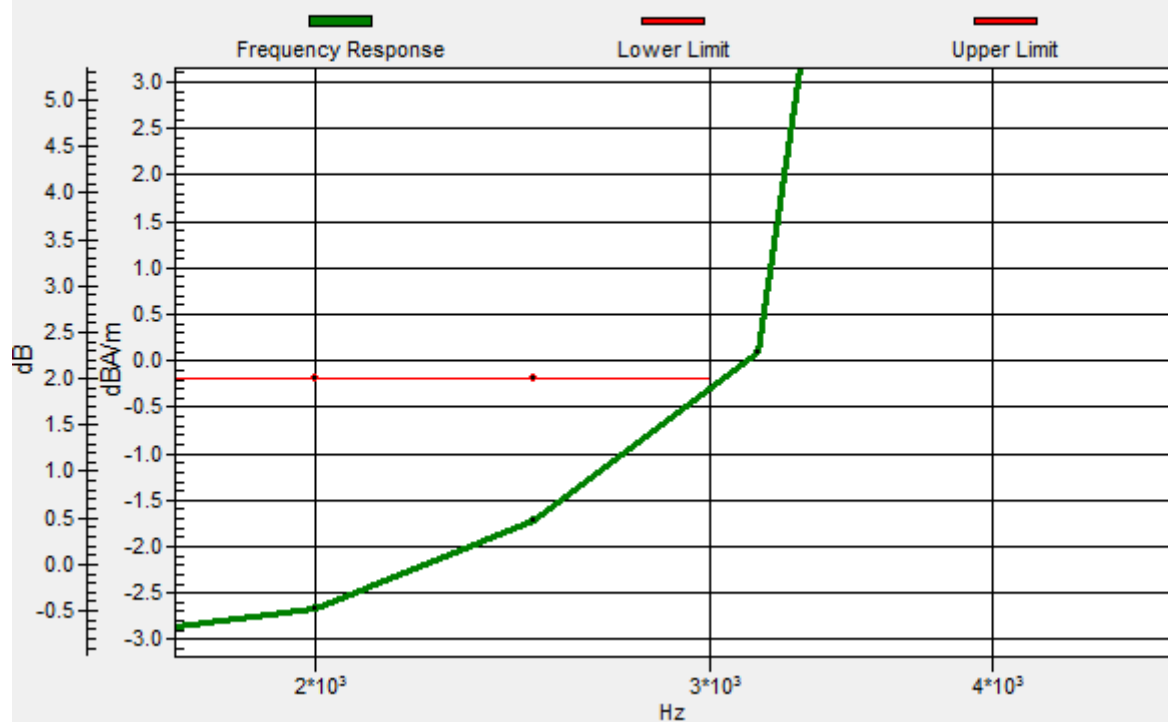
Ch1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -16.7, 3.7 mm Diff: 0.13dB



Ch1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -16.7, 3.7 mm Diff: 0.13dB



HAC_T-Coil_OTT VoIP_WCDMA Band IV_HSPA_Ch1413_Y

Communication System: UID 10225 - CAB, UMTS-FDD (HSPA+); Frequency: 1732.4 MHz; Duty Cycle: 1:3.95367

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

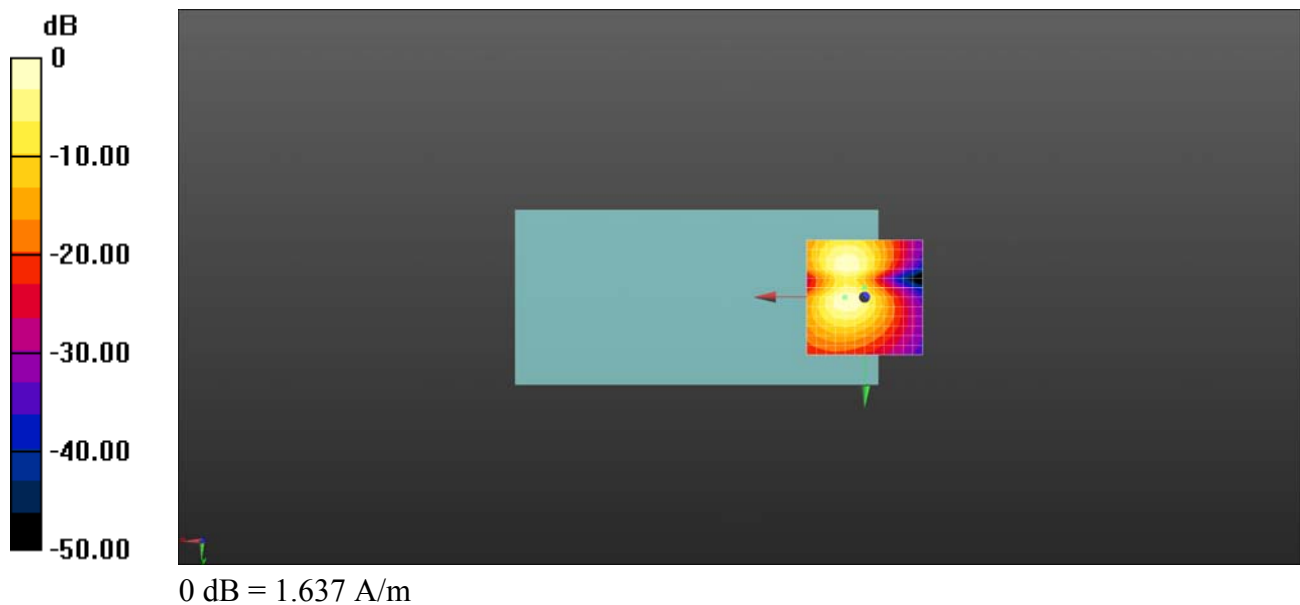
dx=10mm, dy=10mm

ABM1/ABM2 = 30.06 dB

ABM1 comp = -5.24 dBA/m

BWC Factor = 0.01 dB

Location: 0, -4.8, 3.2 mm



HAC_T-Coil_OTT VoIP_WCDMA Band V_HSPA_Ch4182_Z

Communication System: UID 10225 - CAB, UMTS-FDD (HSPA+); Frequency: 836.4 MHz; Duty Cycle: 1:3.95367

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

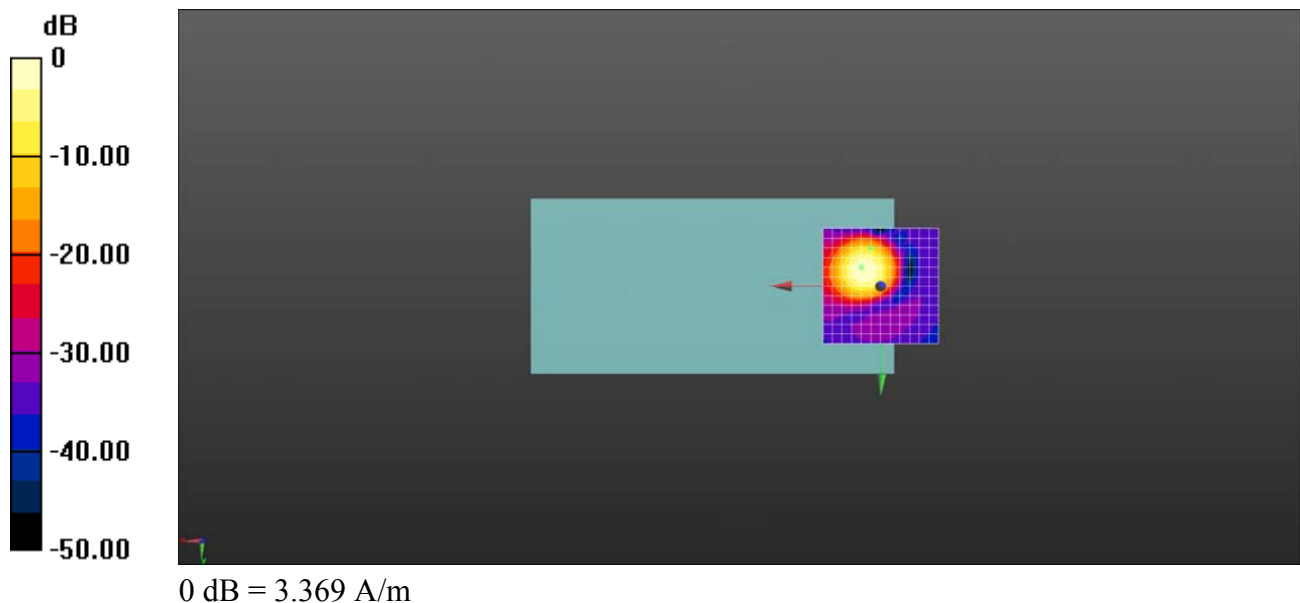
dx=10mm, dy=10mm

ABM1/ABM2 = 31.32 dB

ABM1 comp = 1.02 dBA/m

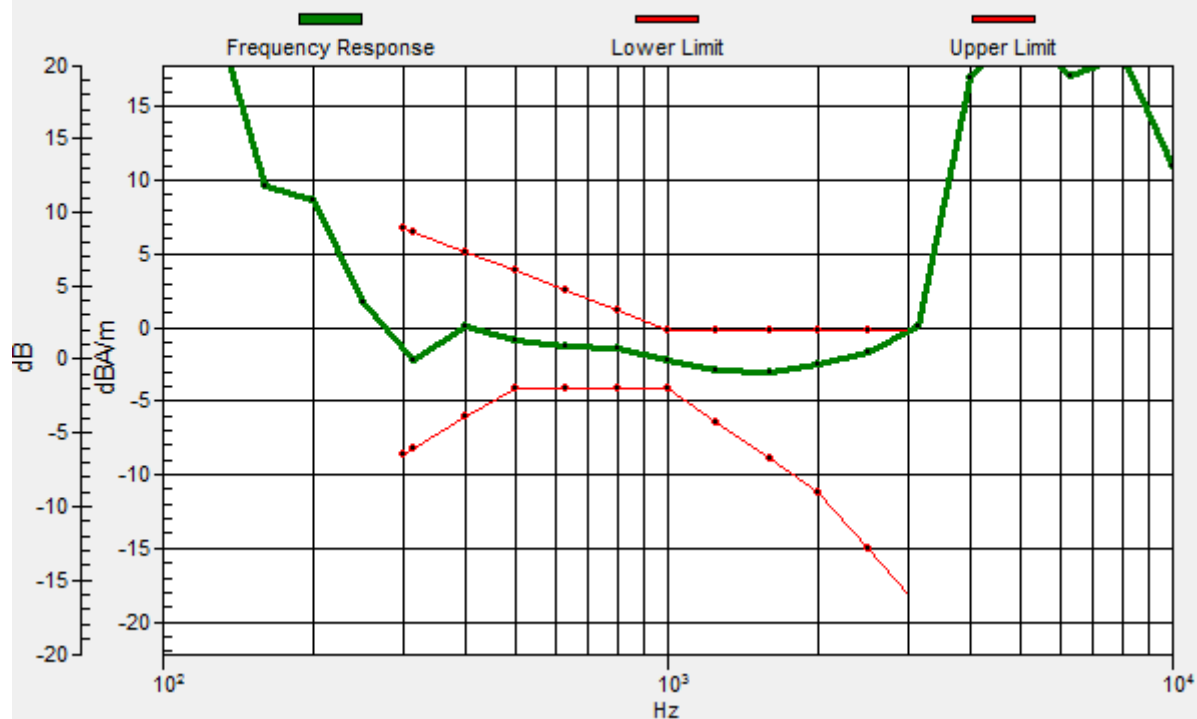
BWC Factor = 0.0076 dB

Location: 4.1, -16.9, 3.8 mm



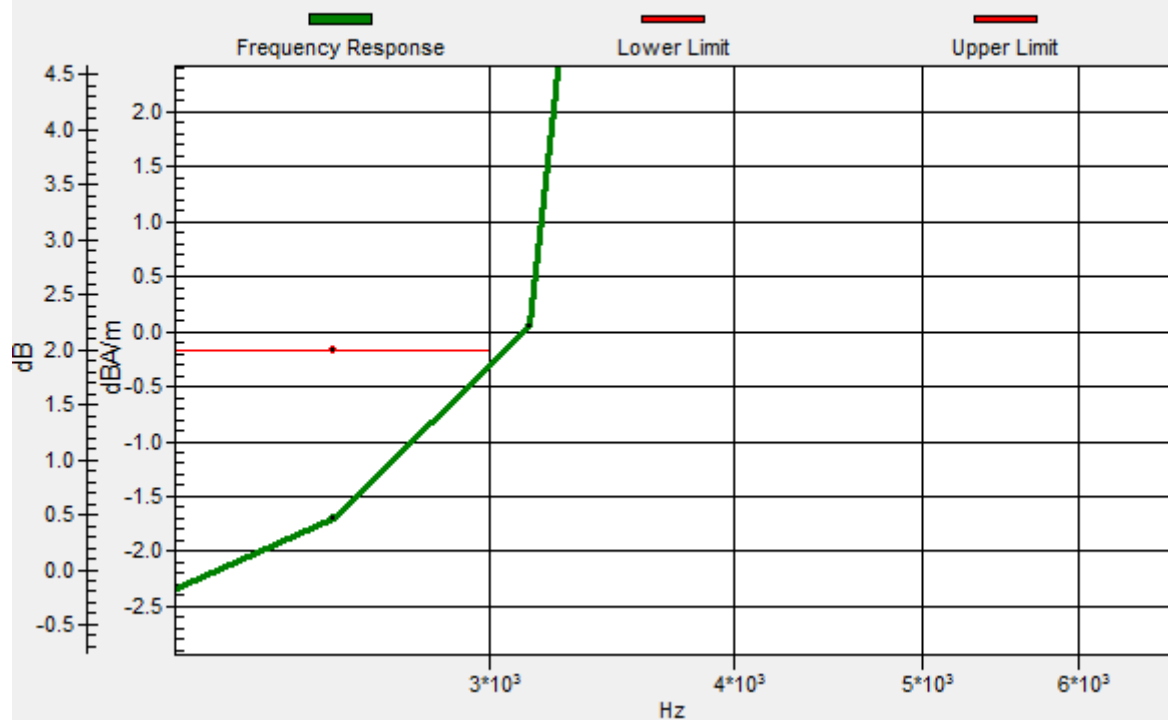
Ch4182/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -16.7, 3.7 mm Diff: 0.2dB



Ch4182/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -16.7, 3.7 mm Diff: 0.2dB



HAC_T-Coil_OTT VoIP_WCDMA Band V_HSPA_Ch4182_Y

Communication System: UID 10225 - CAB, UMTS-FDD (HSPA+); Frequency: 836.4 MHz; Duty Cycle: 1:3.95367

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4182/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

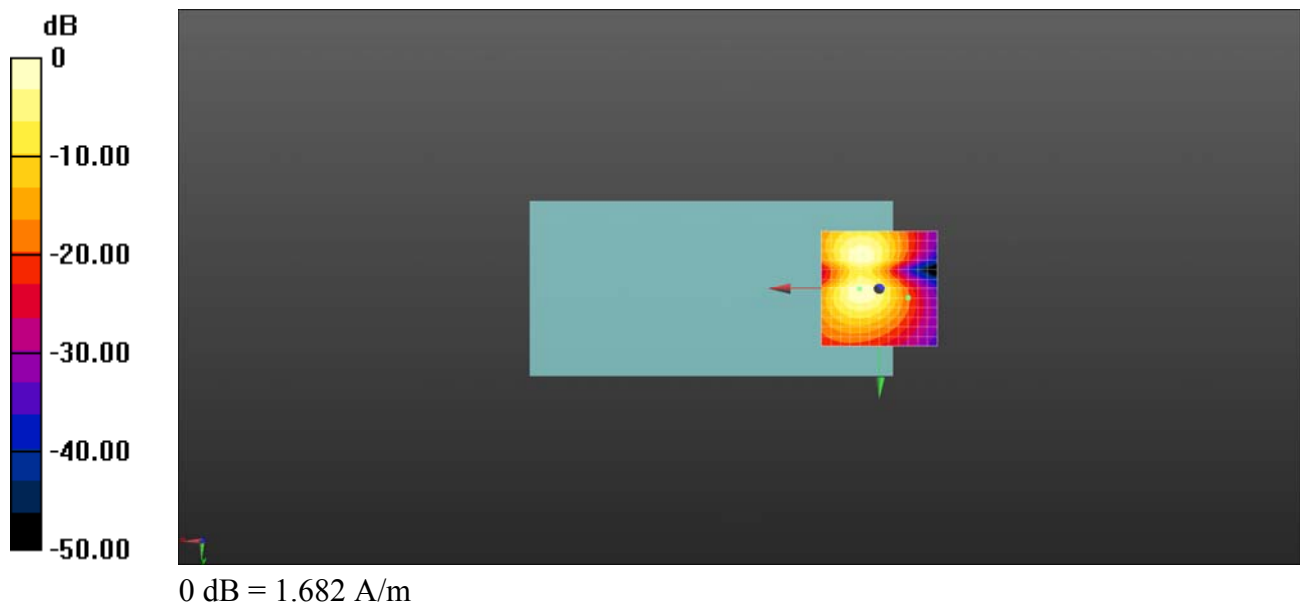
dx=10mm, dy=10mm

ABM1/ABM2 = 32.98 dB

ABM1 comp = -13.12 dBA/m

BWC Factor = 0.0076 dB

Location: -13.1, 4.8, 3.2 mm



HAC_T-Coil_OTT VoIP_LTE Band 2_20M_QPSK_1RB_0offset_Ch18900_Z

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
Frequency: 1880 MHz; Duty Cycle: 1:3.74111

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

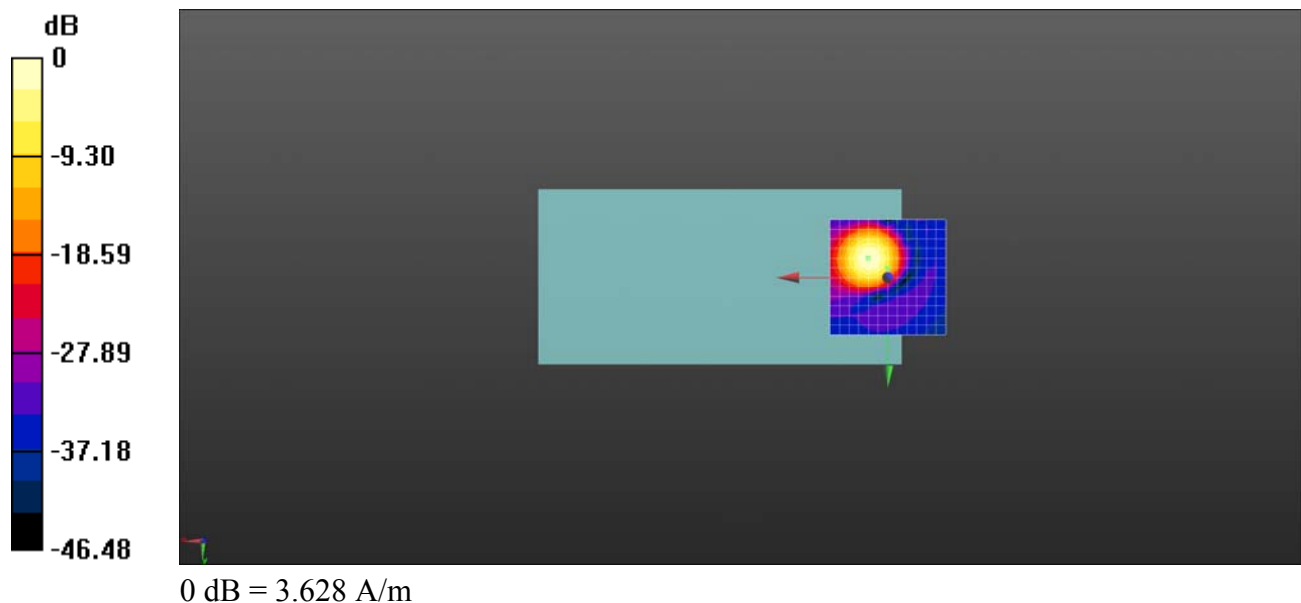
dx=10mm, dy=10mm

ABM1/ABM2 = 31.67 dB

ABM1 comp = 0.82 dBA/m

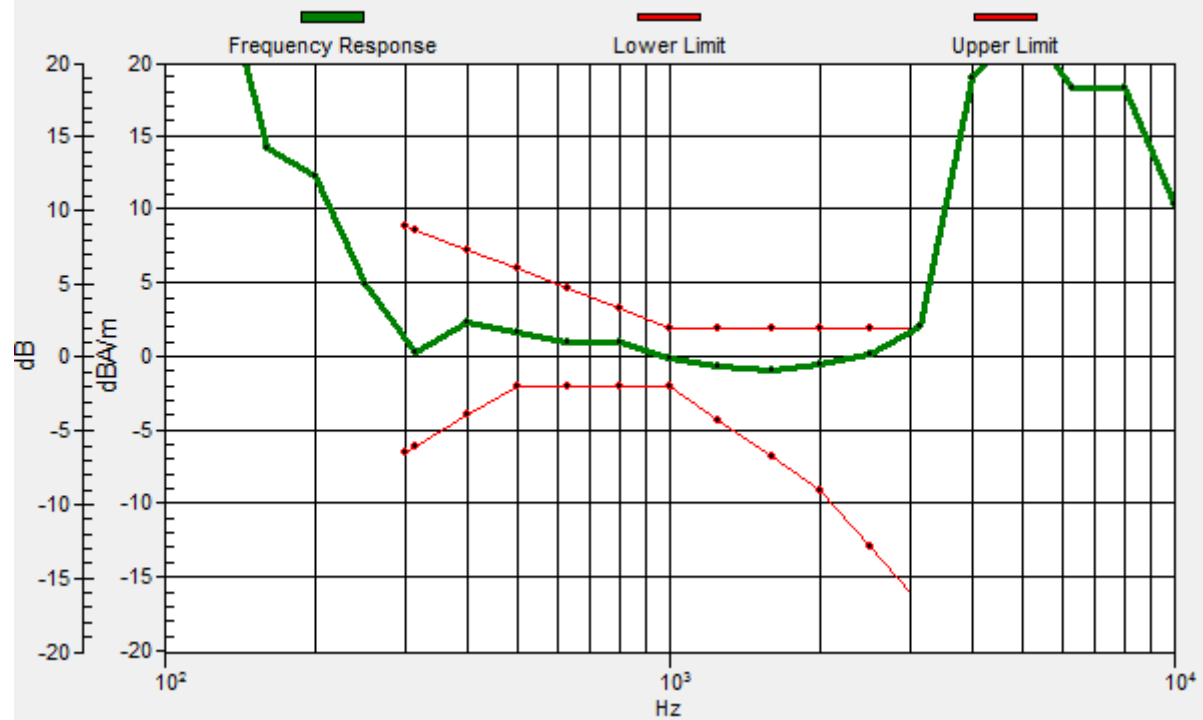
BWC Factor = 0.0034 dB

Location: 0, -3.6, 2.4 mm



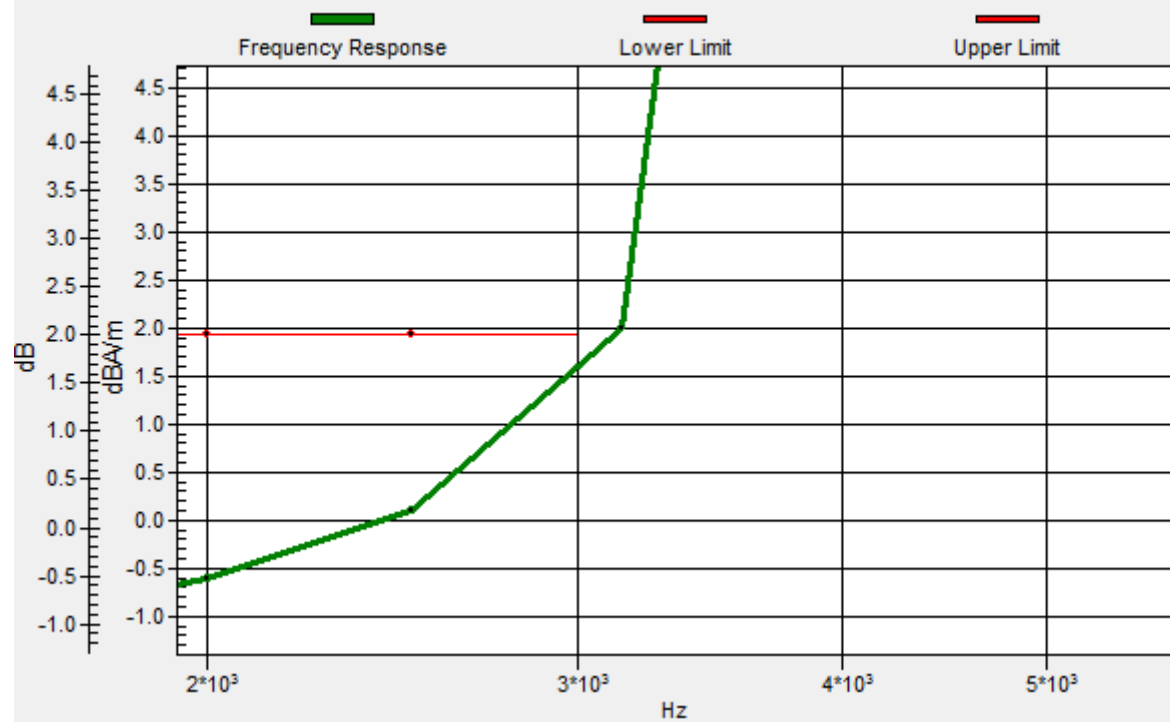
Ch18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -4.2, 3.7 mm Diff: 0.36dB



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

Loc: 0, -4.2, 3.7 mm Diff: 0.36dB



HAC_T-Coil_OTT VoIP_LTE Band 2_20M_QPSK_1RB_0offset_Ch18900_Y

Communication System: UID 10169 - CAB, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
Frequency: 1880 MHz; Duty Cycle: 1:3.74111

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch18900/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement

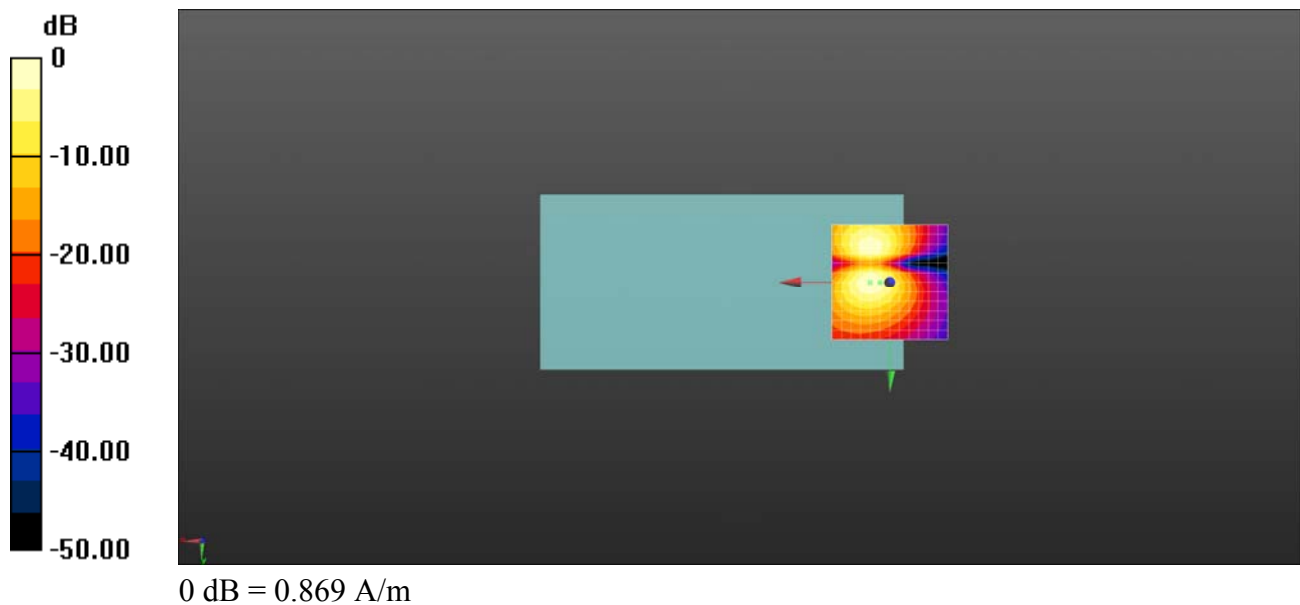
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 33.24 dB

ABM1 comp = 2.28 dBA/m

BWC Factor = 0.0034 dB

Location: 3.8, 0, 2.9 mm



HAC_T-Coil_OTT VoIP_LTE Band 41_20M_QPSK_1RB_0offset_Ch40620_Z

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

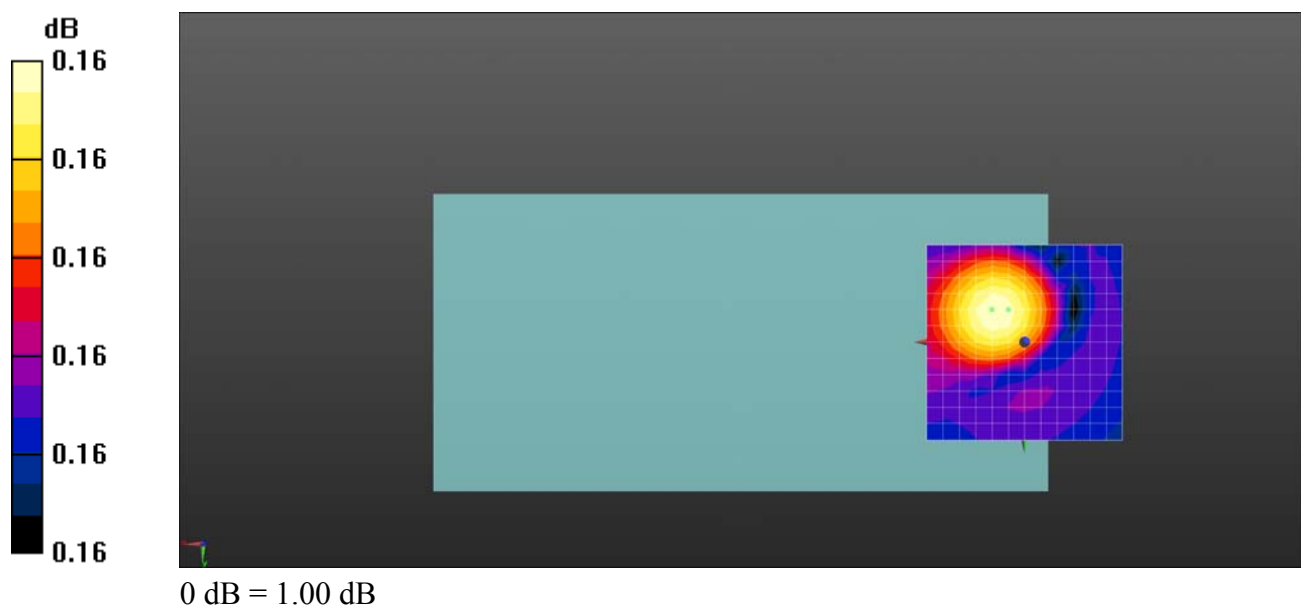
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 30.90 dB

ABM1 comp = 11.63 dBA/m

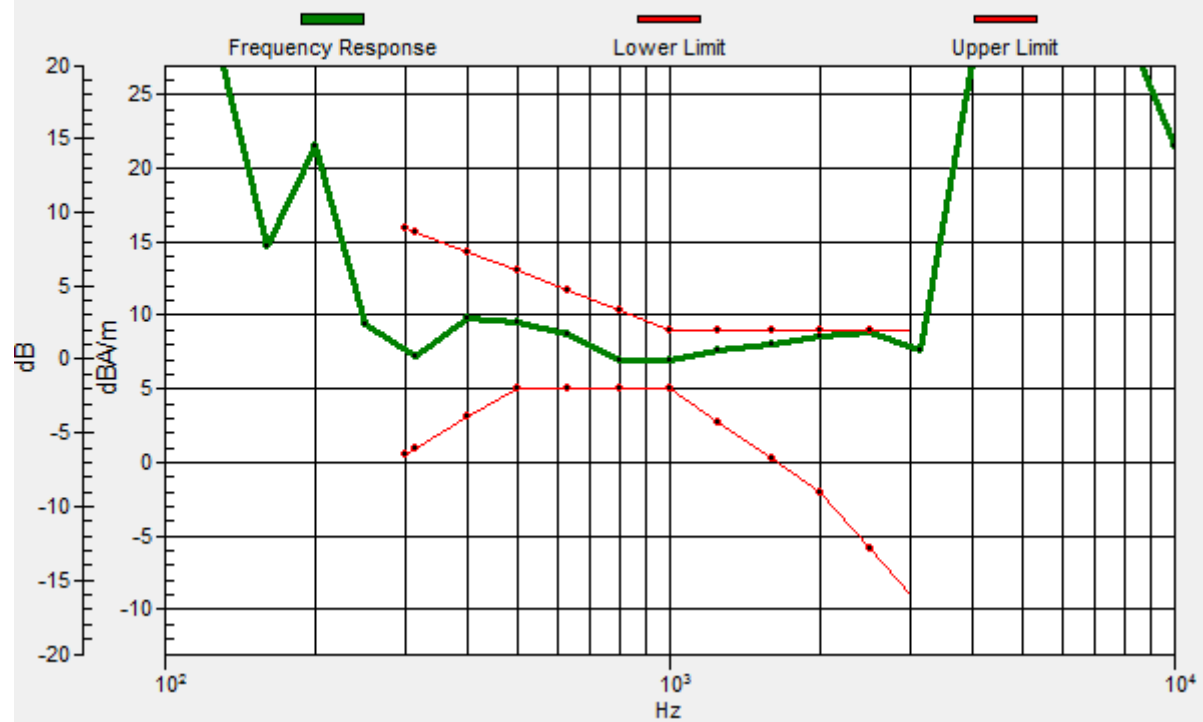
BWC Factor = 0.16 dB

Location: 4.2, -8.3, 3.7 mm



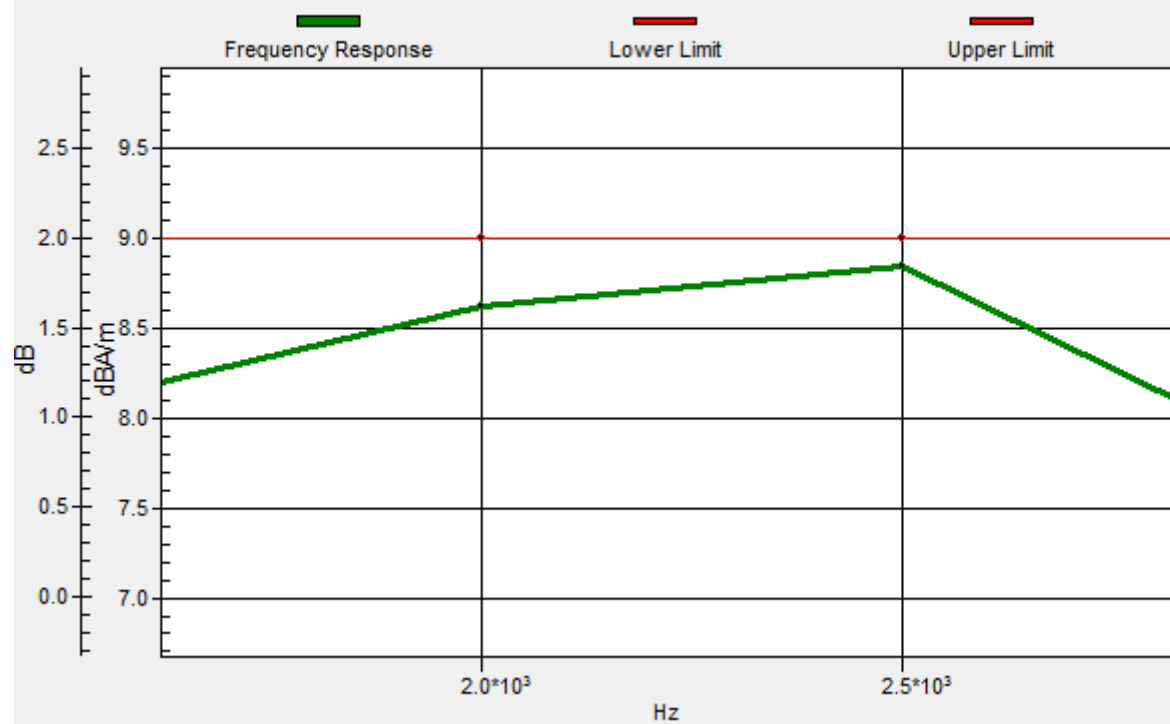
Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.3, 3.7 mm Diff: 0.16dB



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

Loc: 4.2, -8.3, 3.7 mm Diff: 0.16dB



HAC_T-Coil_OTT VoIP_LTE Band 41_20M_QPSK_1RB_0offset_Ch40620_Y

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

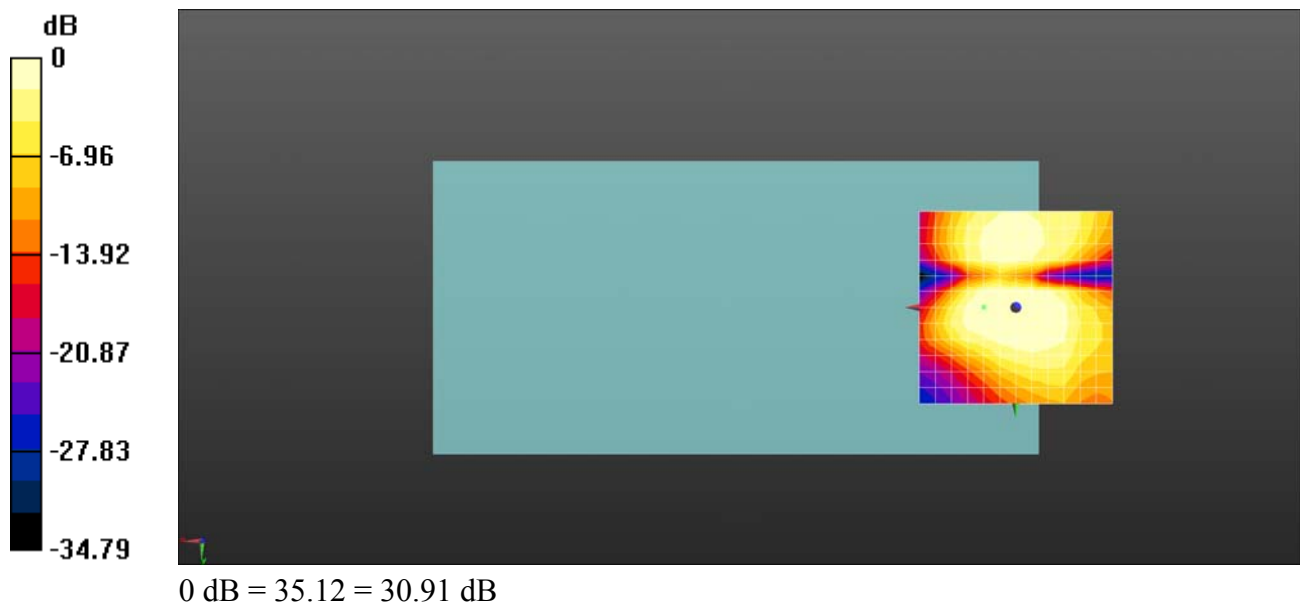
dx=10mm, dy=10mm

ABM1/ABM2 = 30.91 dB

ABM1 comp = 1.73 dBA/m

BWC Factor = 0.16 dB

Location: 0, 0, 3.7 mm



HAC_T-Coil_OTT VoIP_WLAN 2.4GHz_802.11b 1Mbps_Ch6_Z

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 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: 2020.06.18

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

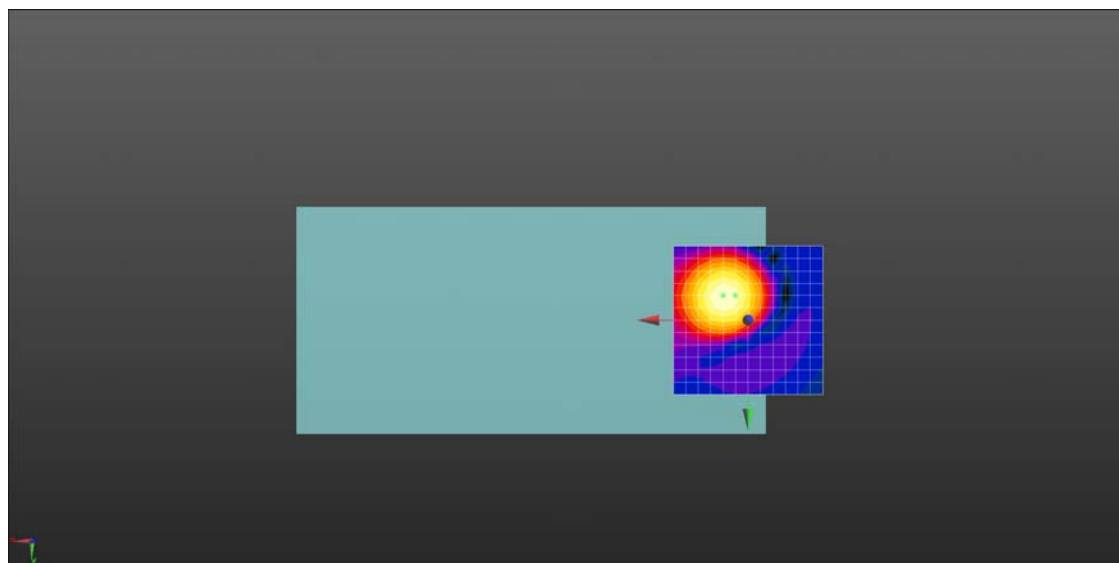
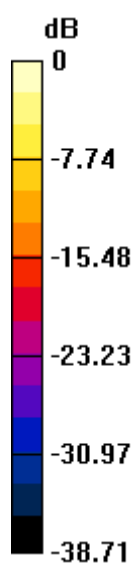
Ch6/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.30 dB

ABM1 comp = 11.02 dBA/m

BWC Factor = 0.16 dB

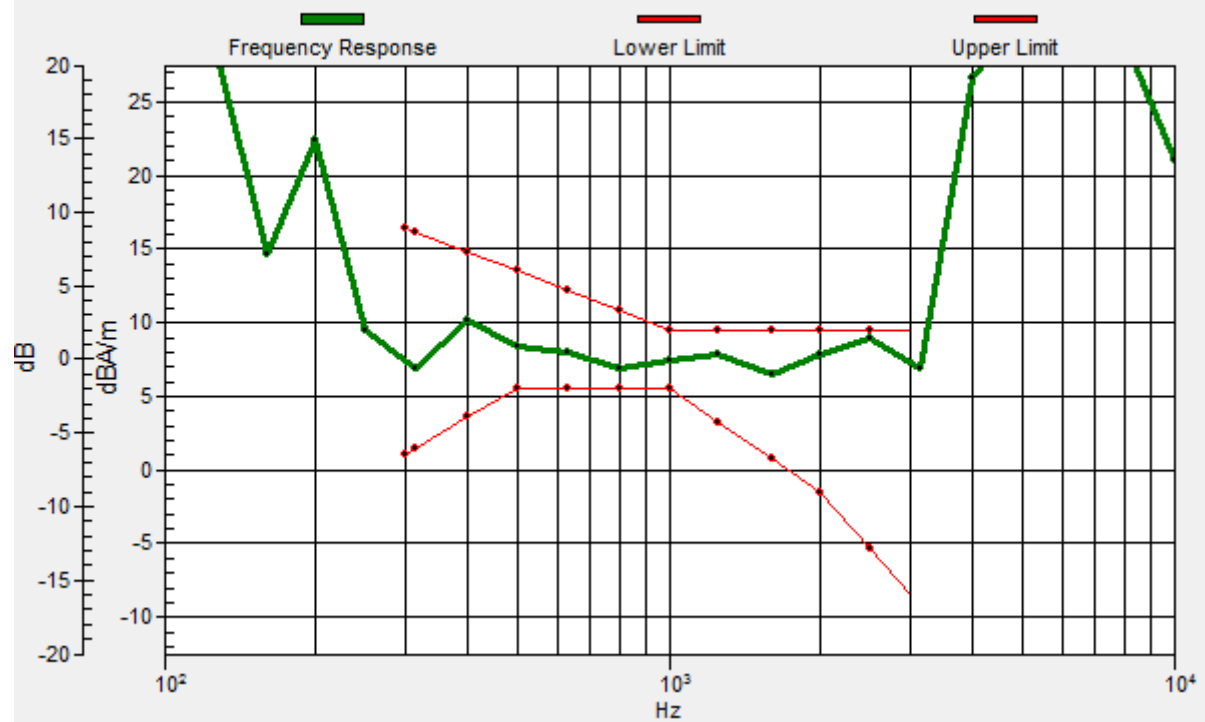
Location: 4.2, -8.3, 3.7 mm



0 dB = 41.22 = 32.30 dB

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

Loc: 4.2, -8.3, 3.7 mm Diff: 0.56dB



HAC_T-Coil_VoIP_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 4.75Kbps_Ch6_Y

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);
Frequency: 2437 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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

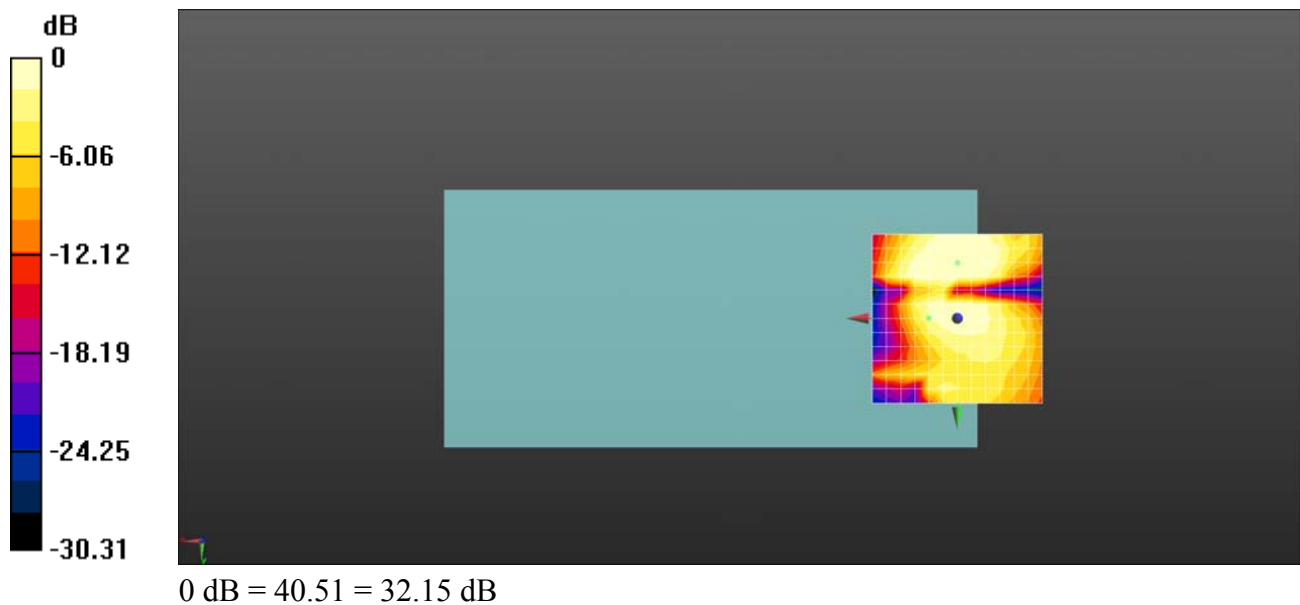
dx=10mm, dy=10mm

ABM1/ABM2 = 32.15 dB

ABM1 comp = 0.20 dBA/m

BWC Factor = 0.16 dB

Location: 0, -16.7, 3.7 mm



HAC_T-Coil_OTT VoIP_WLAN 5.8GHz_802.11a 6Mbps_Ch157_Z

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

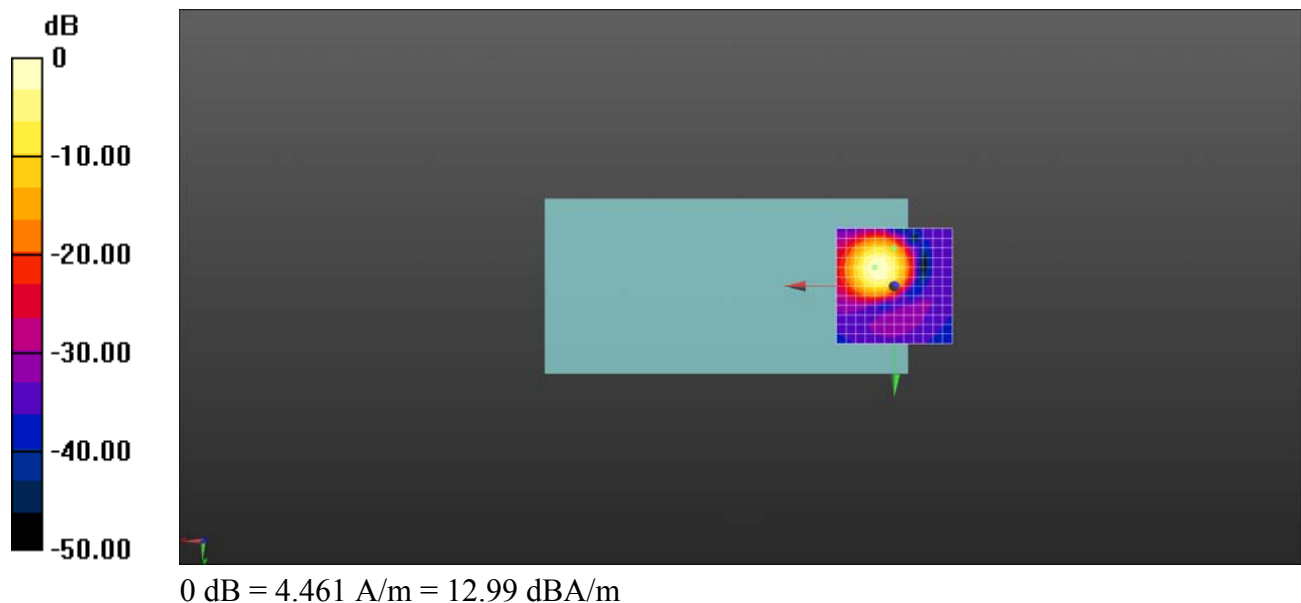
dx=10mm, dy=10mm

ABM1/ABM2 = 32.43 dB

ABM1 comp = -1.10 dBA/m

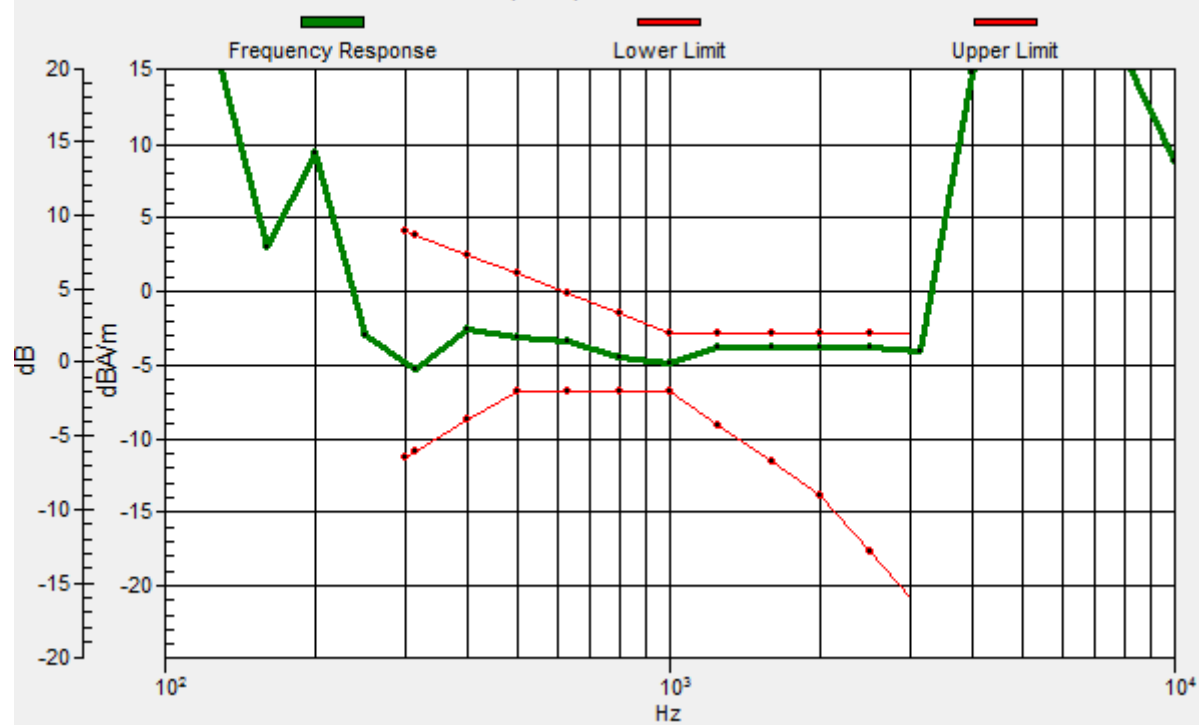
BWC Factor = 0.16 dB

Location: 0, -16.7, 3.7 mm



Ch157/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0, -16.7, 3.7 mm Diff: 0.94dB



HAC_T-Coil_OTT VoIP_WLAN 5.8GHz_802.11a 6Mbps_Ch157_Y

Communication System: UID 10317 - AAA, IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle); Frequency: 5785 MHz; Duty Cycle: 1:6.85488

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: 2020.06.18
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch157/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1): Measurement grid:

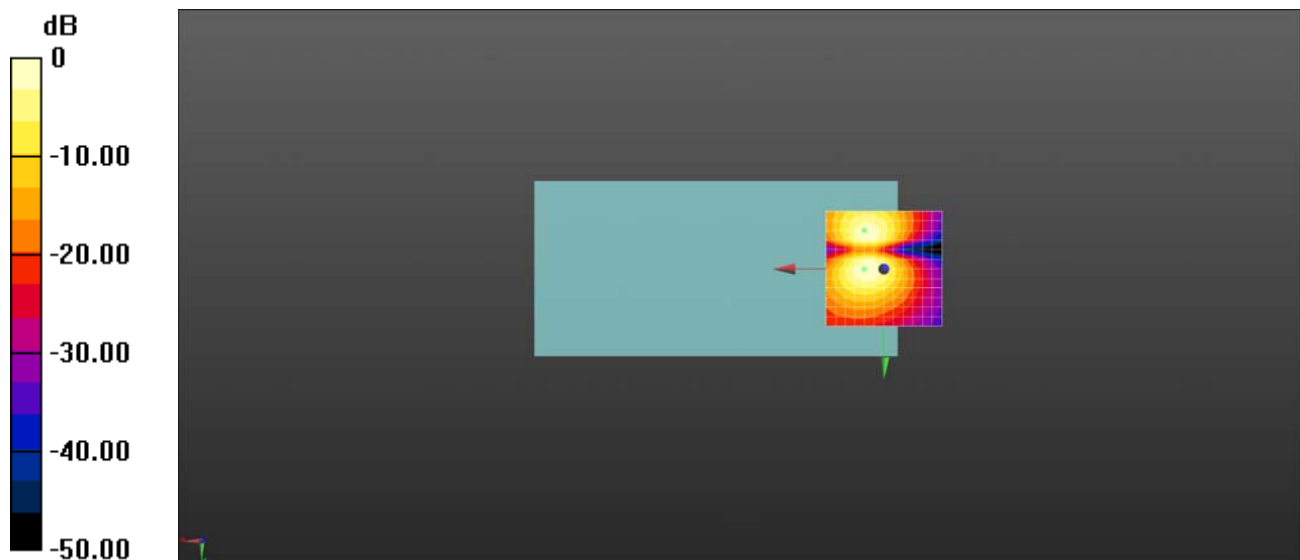
dx=10mm, dy=10mm

ABM1/ABM2 = 32.49 dB

ABM1 comp = 5.03 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -16.7, 3.7 mm



0 dB = 1.978 A/m = 5.92 dBA/m