

GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850_GMSK_Ch. 190_Port A ANT1/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

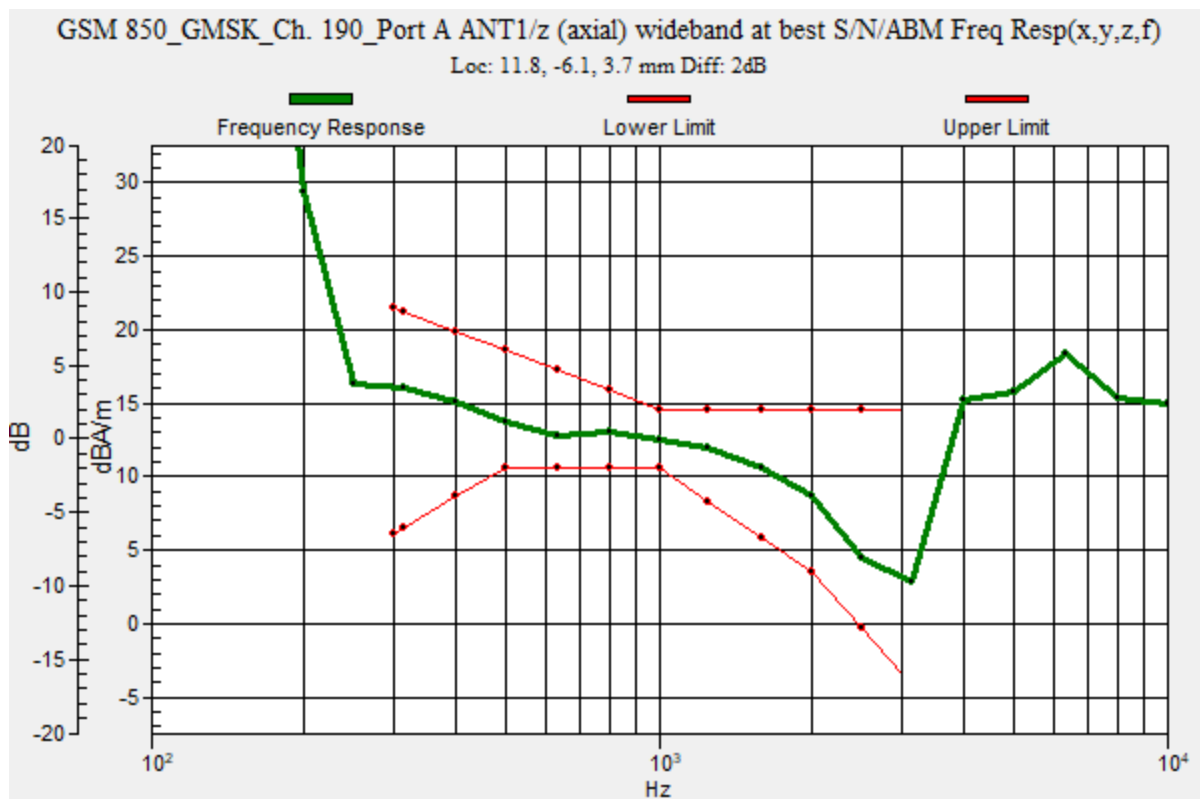
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 11.8, -6.1, 3.7 mm



GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850_GMSK_Ch. 190_Port A ANT1/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.35 dB

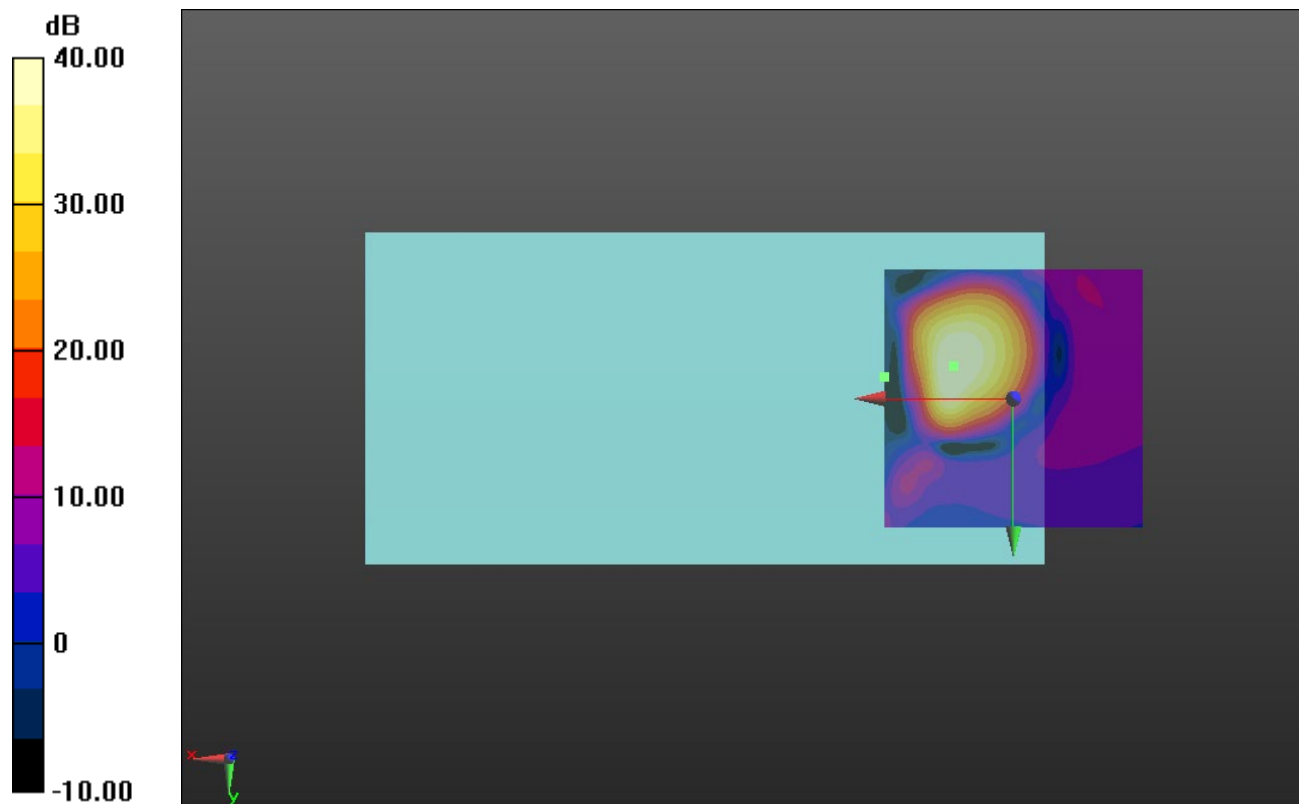
ABM1 comp = 11.44 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -6.3, 3.7 mm

ABM2 = -10.36 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850_GMSK_Ch. 190_Port A ANT1/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated

grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 37.28 dB

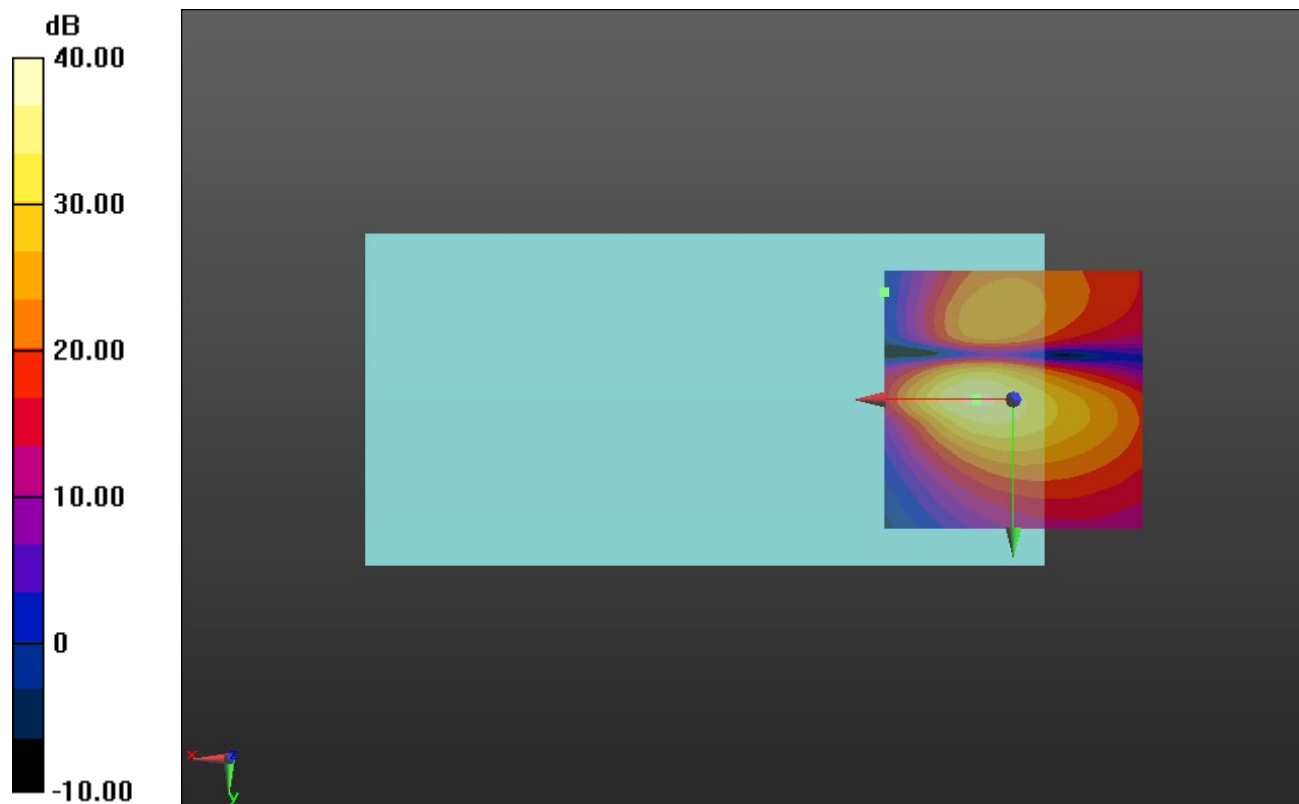
ABM1 comp = 4.46 dBA/m

BWC Factor = 0.16 dB

Location: 7.1, 0, 3.7 mm

ABM2 = -8.76 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 1900

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900_GMSK_Ch. 661_Port C ANT3/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

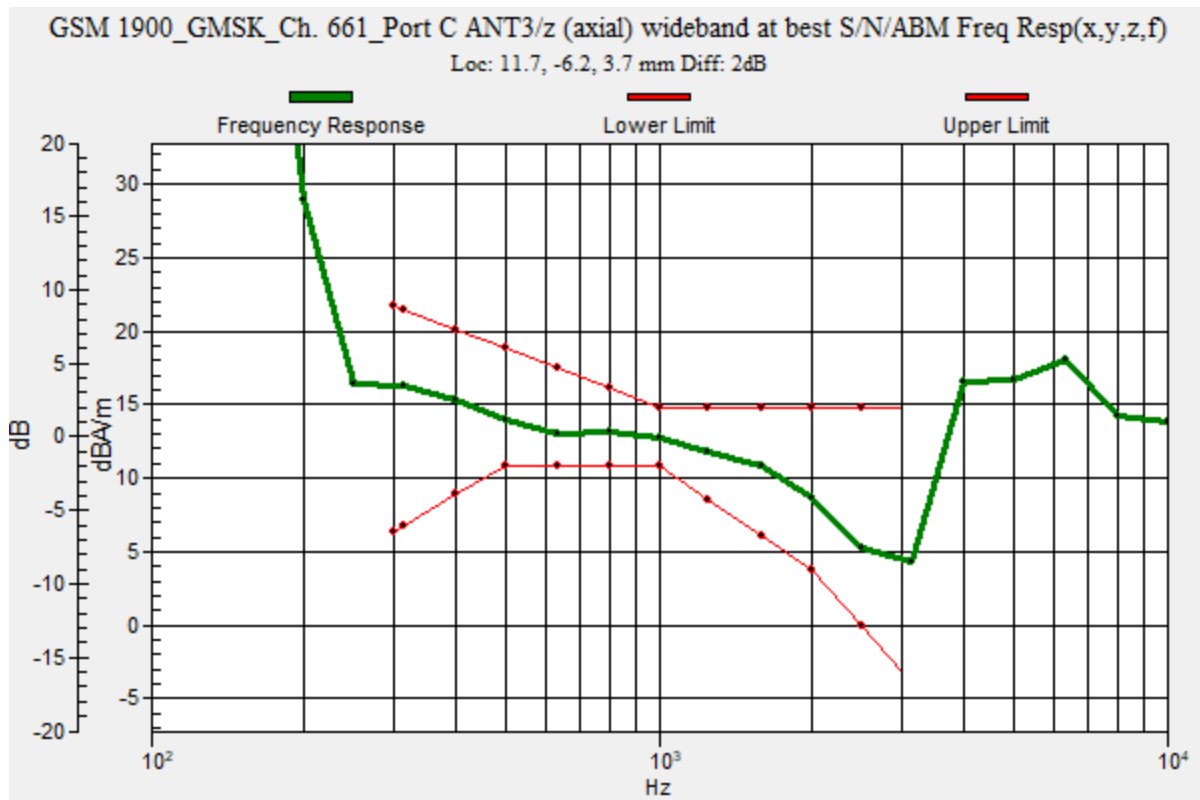
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 11.7, -6.2, 3.7 mm



GSM 1900

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900_GMSK_Ch. 661_Port C

ANT3/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.42 dB

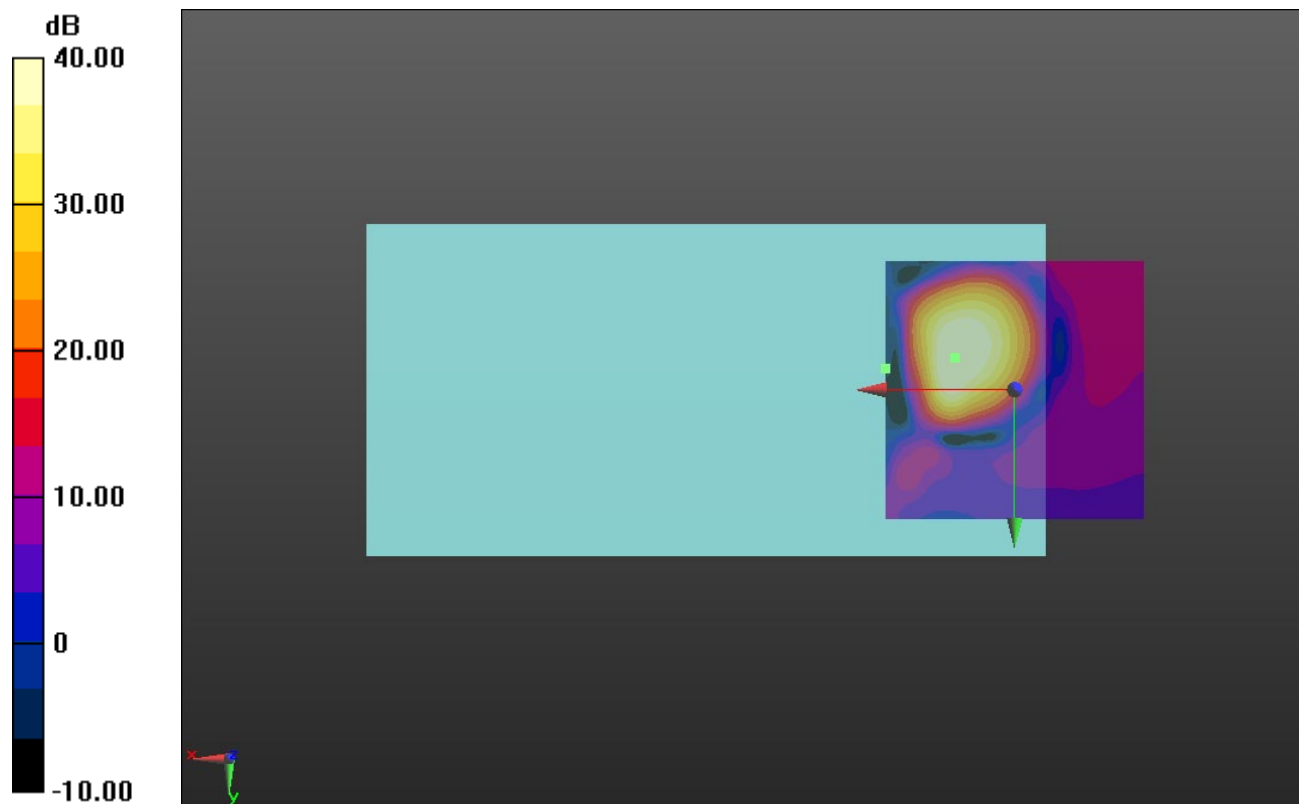
ABM1 comp = 11.43 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -6.3, 3.7 mm

ABM2 = -12.12 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 1900

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900_GMSK_Ch. 661_Port C ANT3/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated

grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.52 dB

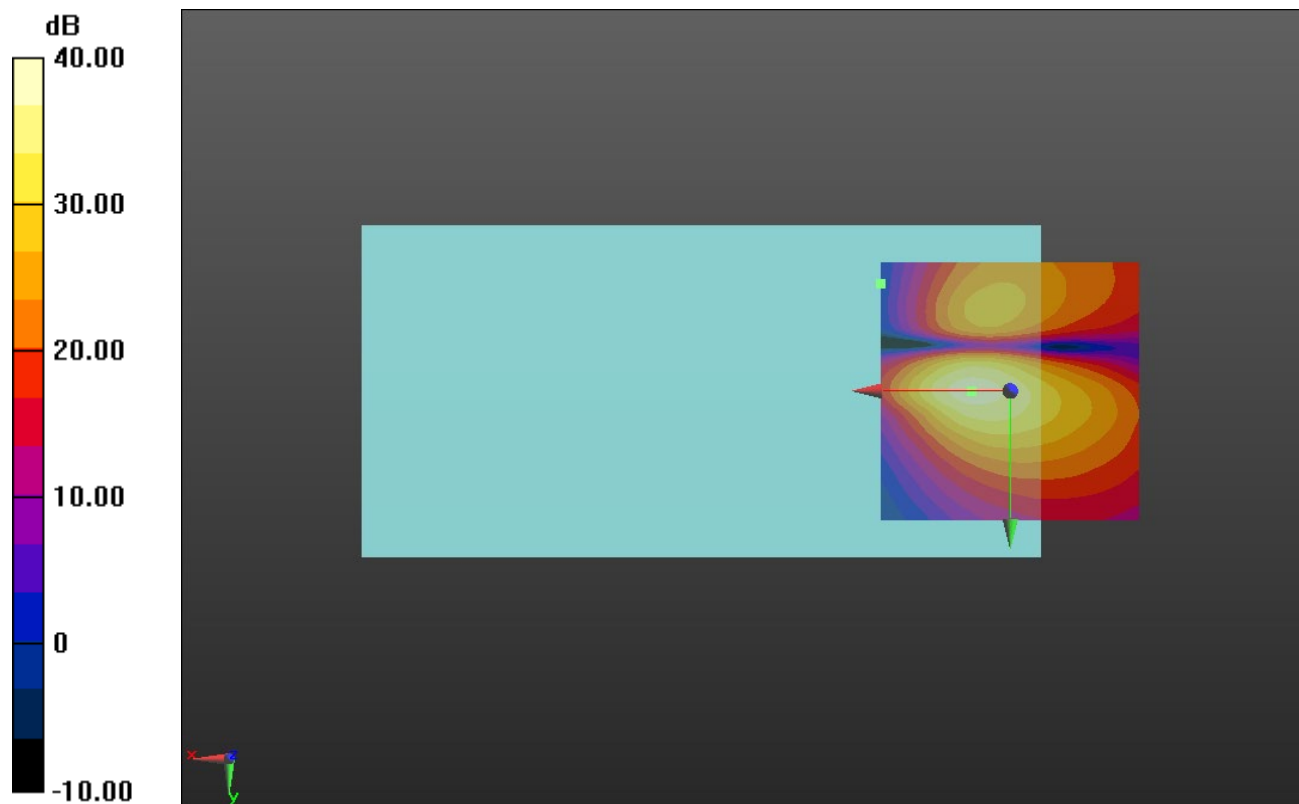
ABM1 comp = 4.76 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 0, 3.7 mm

ABM2 = -10.44 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA BII

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BII_Rel. 99_Ch. 9262_AMR-WB 6.6 kbps_Port C ANT3/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

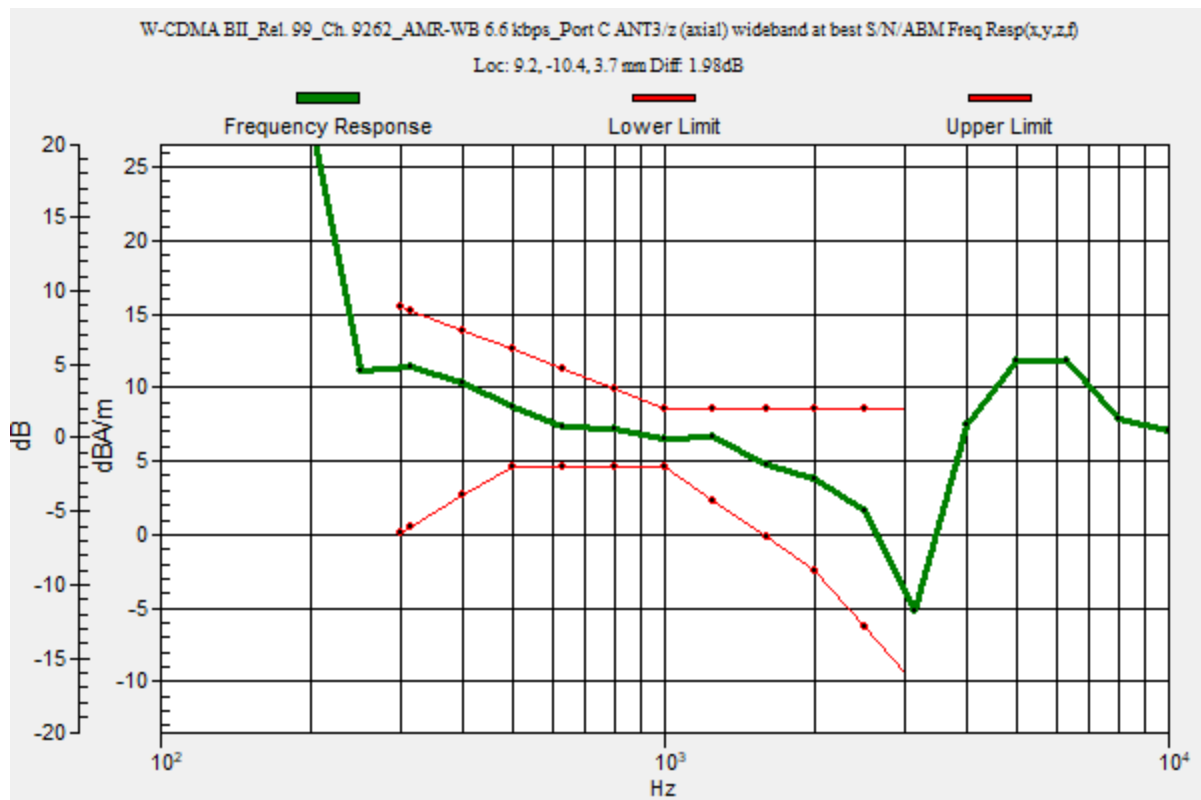
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.98 dB

BWC Factor = 10.80 dB

Location: 9.2, -10.4, 3.7 mm



W-CDMA BII

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BII_Rel. 99_Ch.

9262_AMR-WB 6.6 kbps_Port C ANT3/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.83 dB

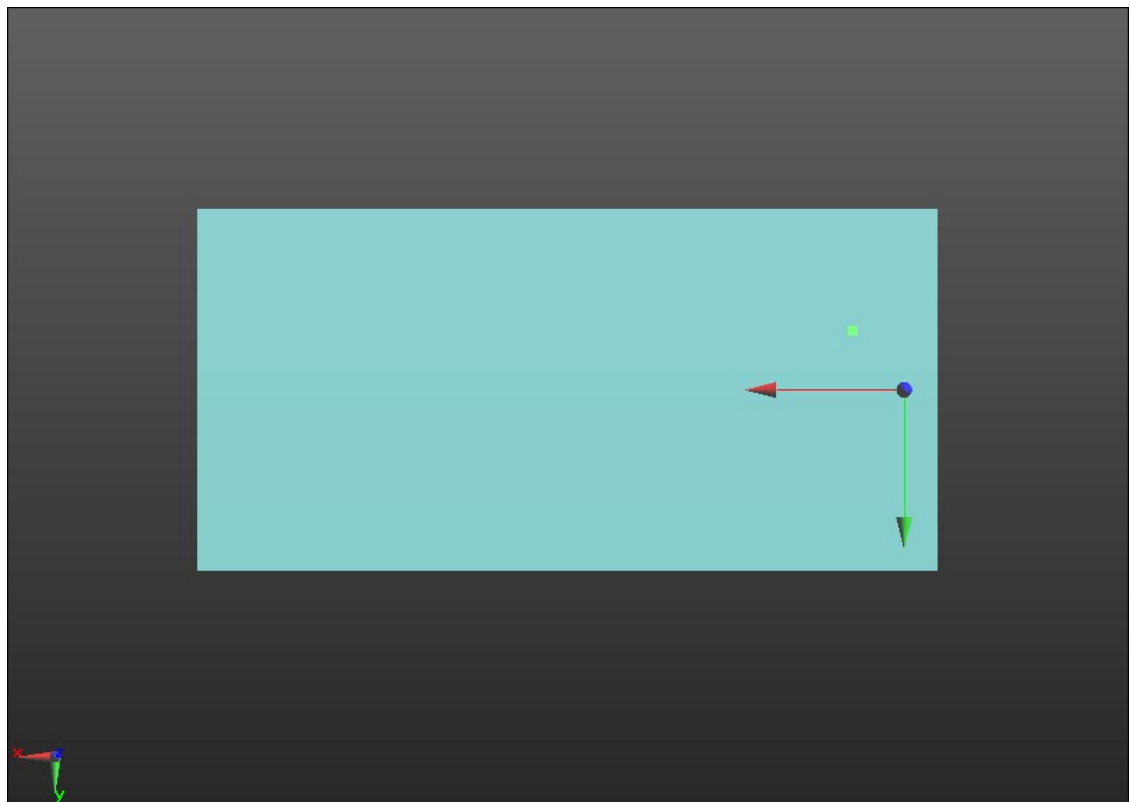
ABM1 comp = 5.42 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, -10.4, 3.7 mm

ABM2 = -37.41 dBA/m

Location: 9.2, -10.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA BII

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BII_Rel. 99_Ch. 9262_AMR-WB 6.6 kbps_Port C ANT3/y (transversal) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.55 dB

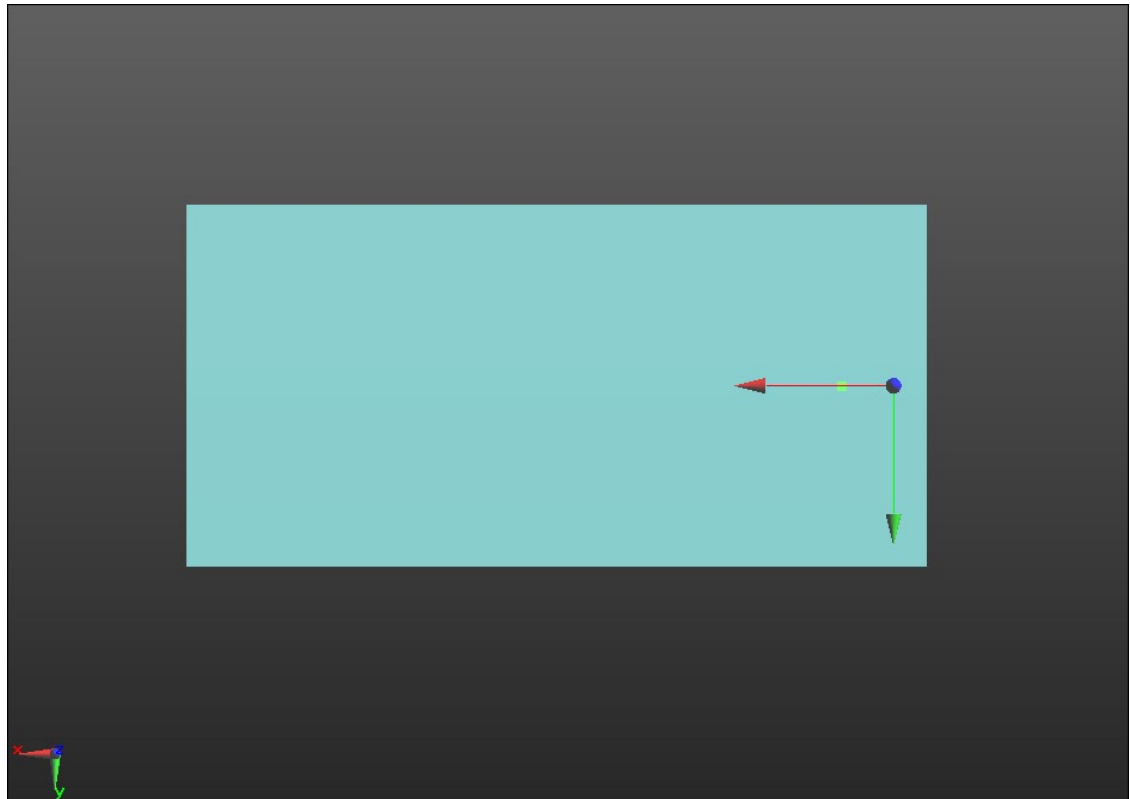
ABM1 comp = -2.72 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, 0.1, 3.7 mm

ABM2 = -45.27 dBA/m

Location: 9.2, 0.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA BIV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BIV_Rel. 99_Ch. 1312_AMR-WB 6.6 kbps_Port C ANT3/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

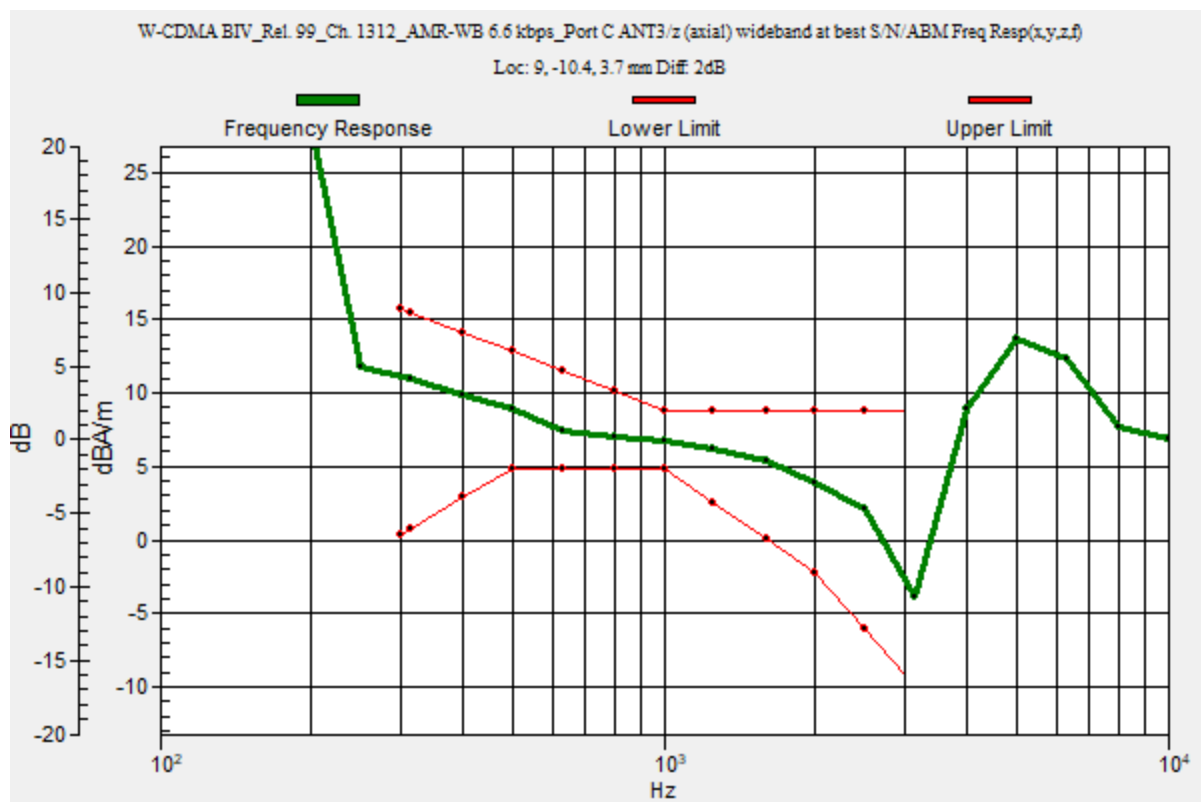
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 9, -10.4, 3.7 mm



W-CDMA BIV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BIV_Rel. 99_Ch. 1312_AMR-WB 6.6 kbps_Port C ANT3/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.01 dB

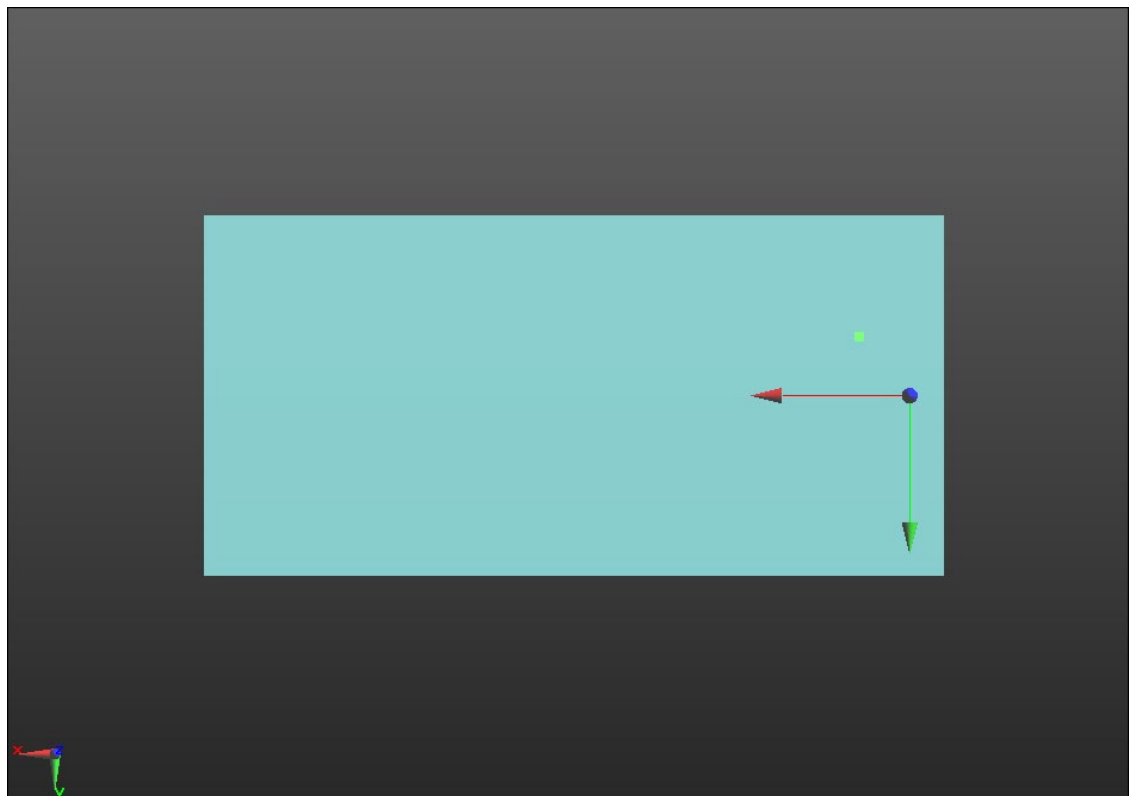
ABM1 comp = 5.52 dBA/m

BWC Factor = 0.16 dB

Location: 9, -10.4, 3.7 mm

ABM2 = -37.49 dBA/m

Location: 9, -10.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA BV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 826.4 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BV_Rel. 99_Ch. 4132_AMR-WB 6.6 kbps_Port C ANT3/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

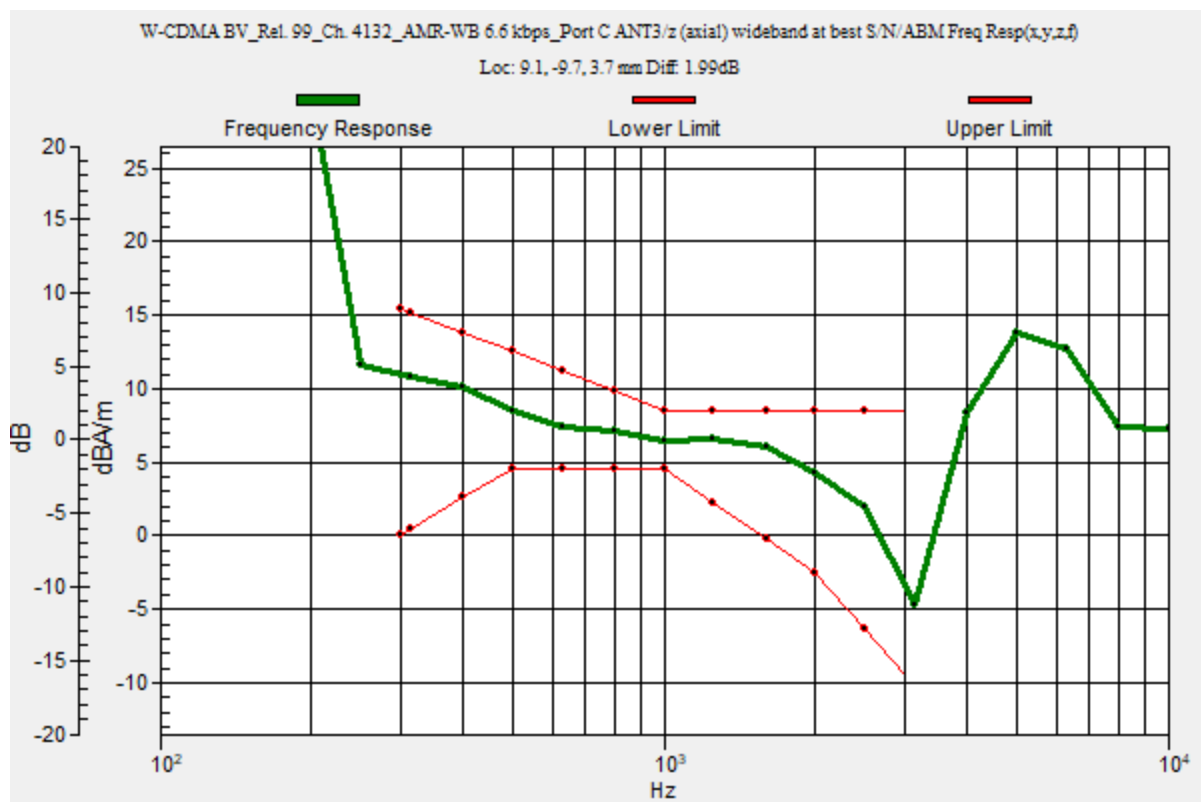
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.99 dB

BWC Factor = 10.80 dB

Location: 9.1, -9.7, 3.7 mm



W-CDMA BV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BV_Rel. 99_Ch. 4132_AMR-WB 6.6 kbps_Port C ANT3/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.80 dB

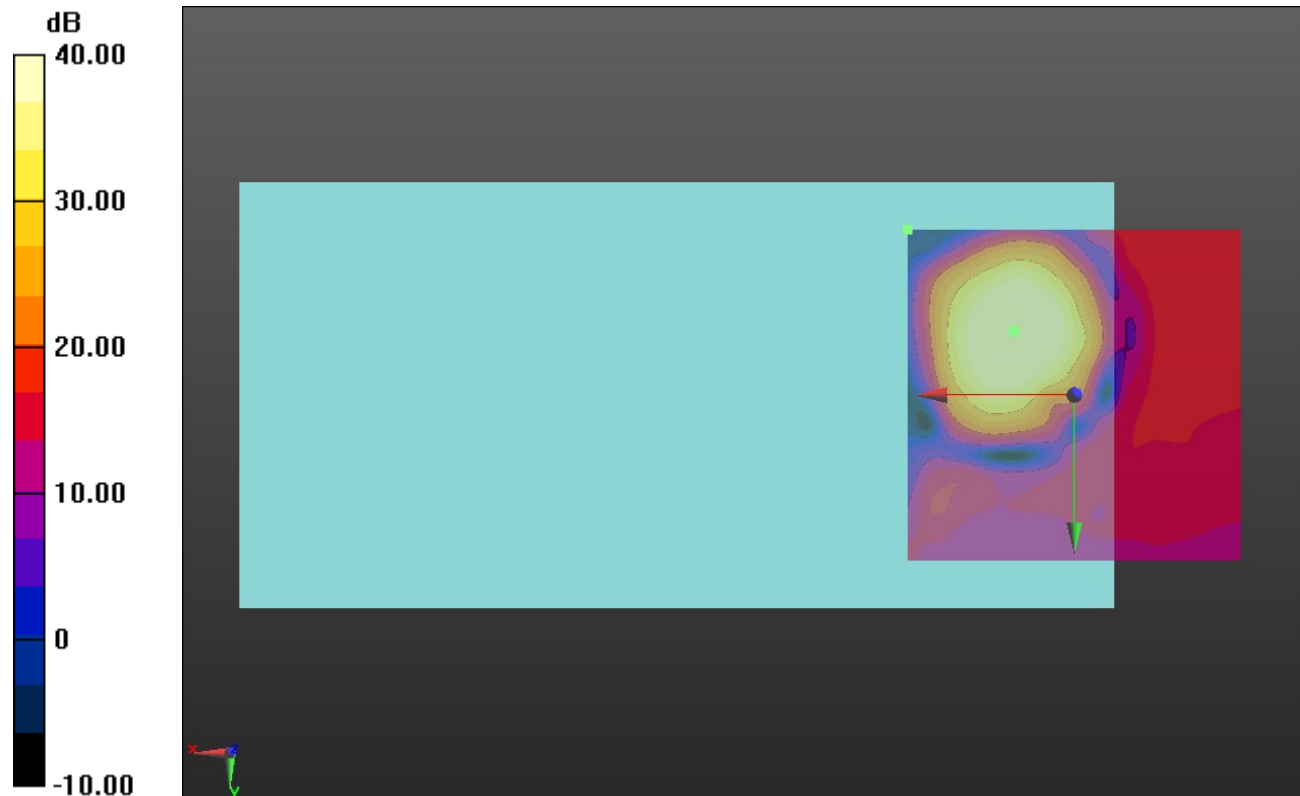
ABM1 comp = 5.32 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, -9.6, 3.7 mm

ABM2 = -26.97 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA BV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 826.4 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BV_Rel. 99_Ch.

4132_AMR-WB 6.6 kbps_Port C ANT3/y (transversal) 4.2mm 50 x 50/ABM Interpolated

SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.95 dB

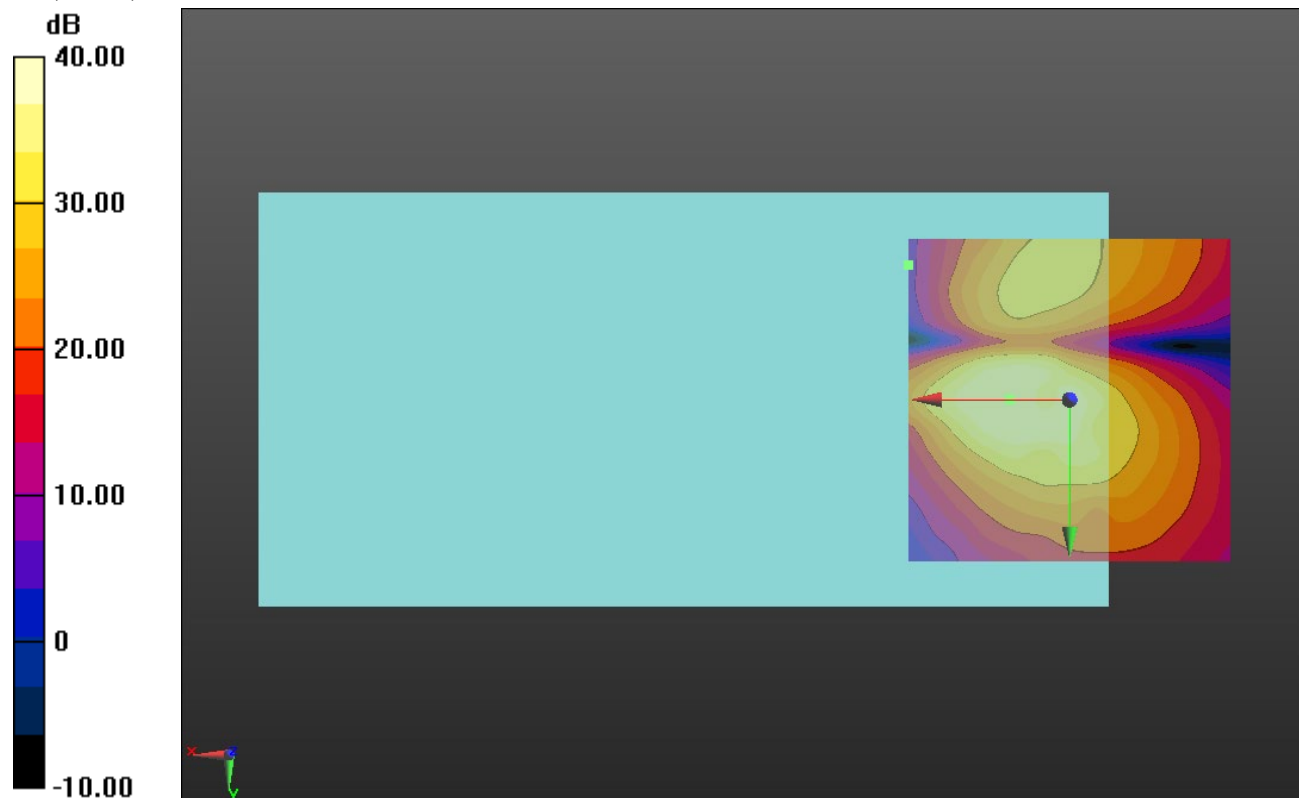
ABM1 comp = -2.74 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, 0, 3.7 mm

ABM2 = -24.05 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC0

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 836.52 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0_RC1 SO3_Ch 384_Port B_ANT2/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 37.5

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

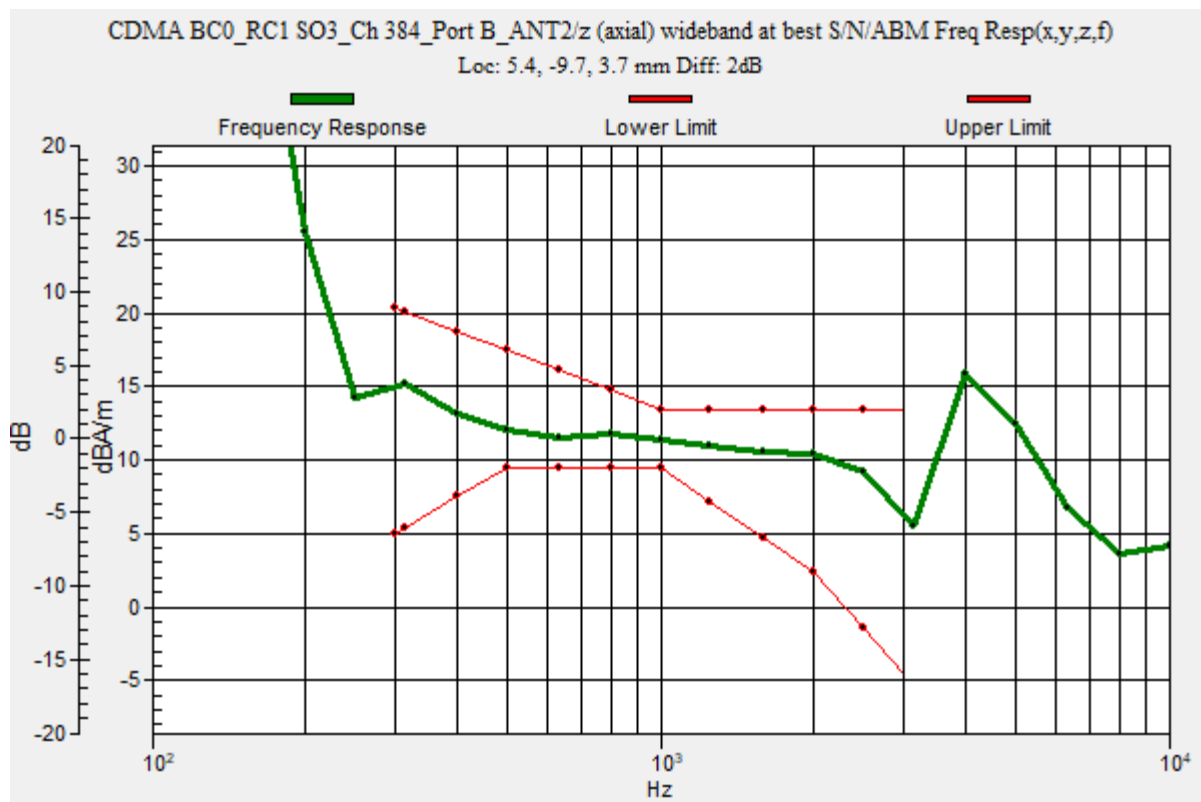
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 5.4, -9.7, 3.7 mm



CDMA BC0

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0_RC1 SO3_Ch 384_Port B_ANT2/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 19.12

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.45 dB

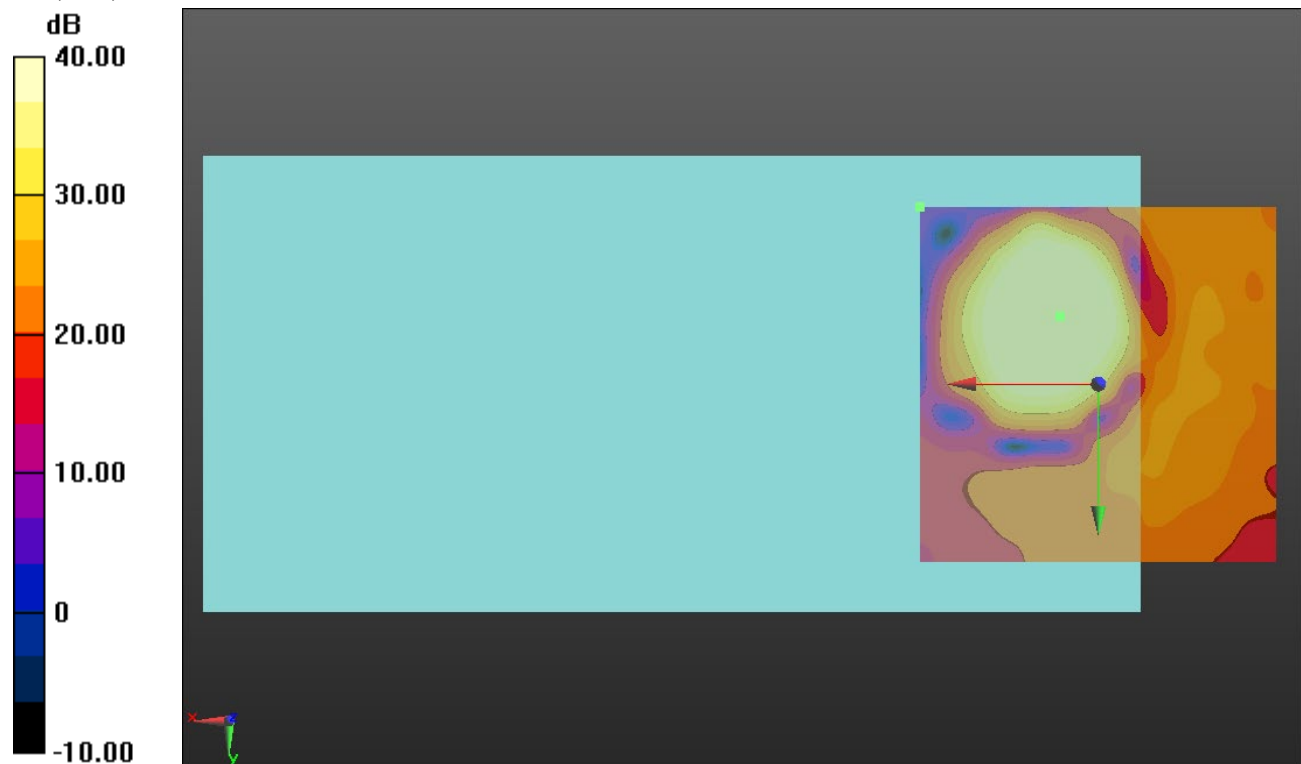
ABM1 comp = 8.12 dBA/m

BWC Factor = 0.16 dB

Location: 5.4, -9.6, 3.7 mm

ABM2 = -30.37 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC0

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0_RC1 SO3_Ch 384_Port B_ANT2/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 19.12

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 47.31 dB

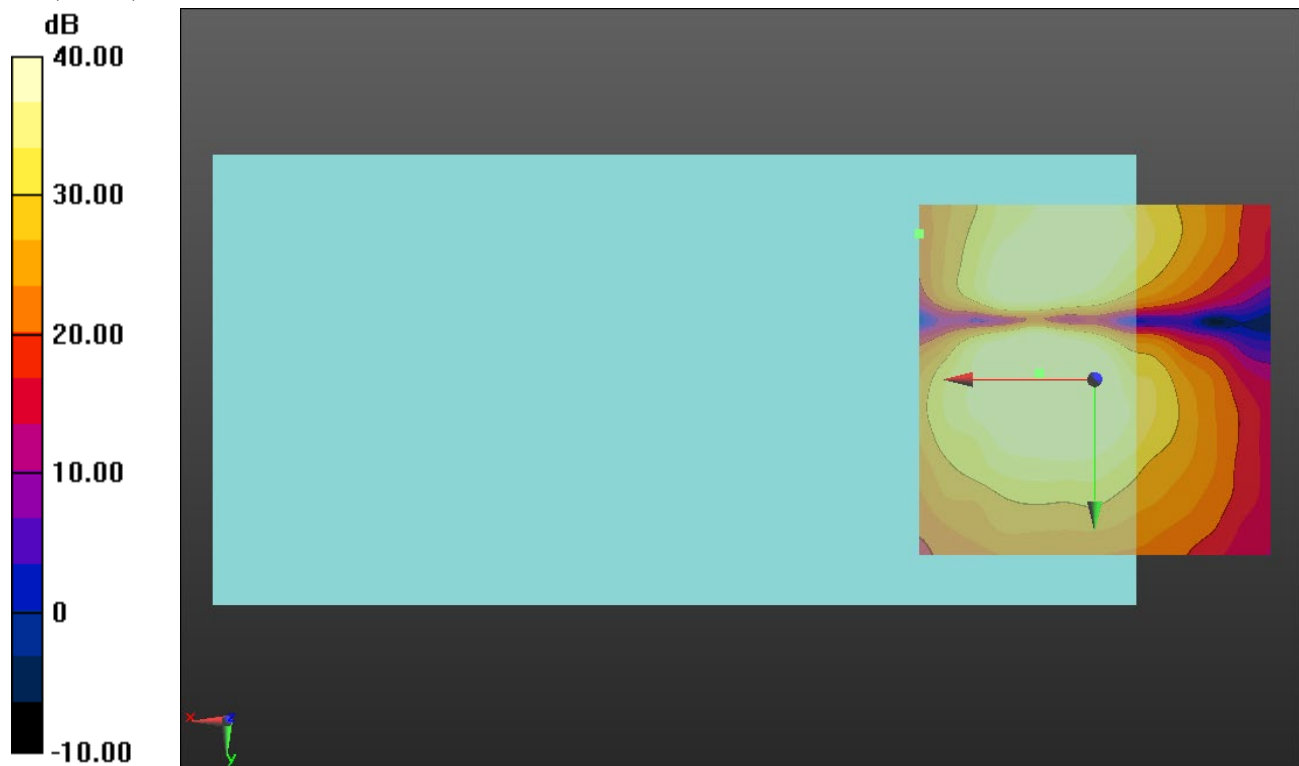
ABM1 comp = 2.10 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -0.8, 3.7 mm

ABM2 = -34.27 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC1

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA2000_8k EVRC_SO 3 RC 1/1_Ch 600_ Port B_ANT2/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 37.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

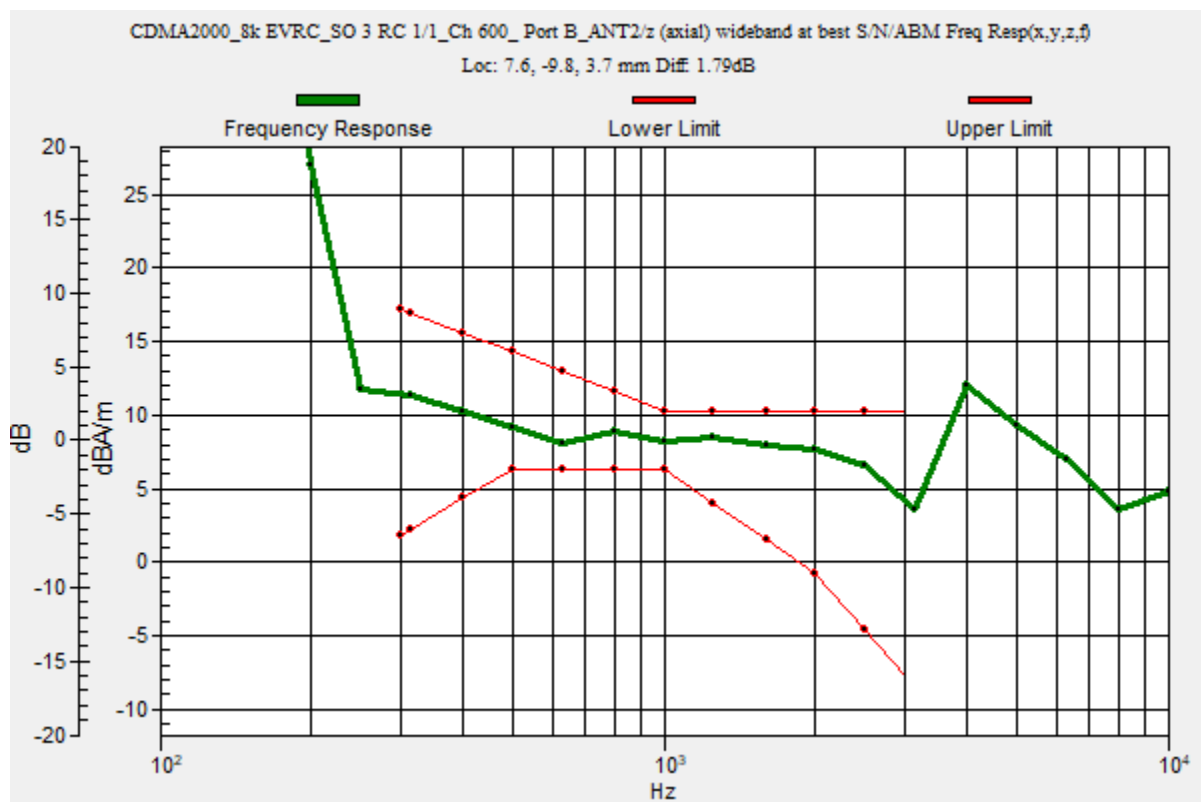
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.79 dB

BWC Factor = 10.80 dB

Location: 7.6, -9.8, 3.7 mm



CDMA2000 BC1

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA2000_8k EVRC_SO 3 RC 1/1_Ch 600_Port B_ANT2/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 19.08

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.55 dB

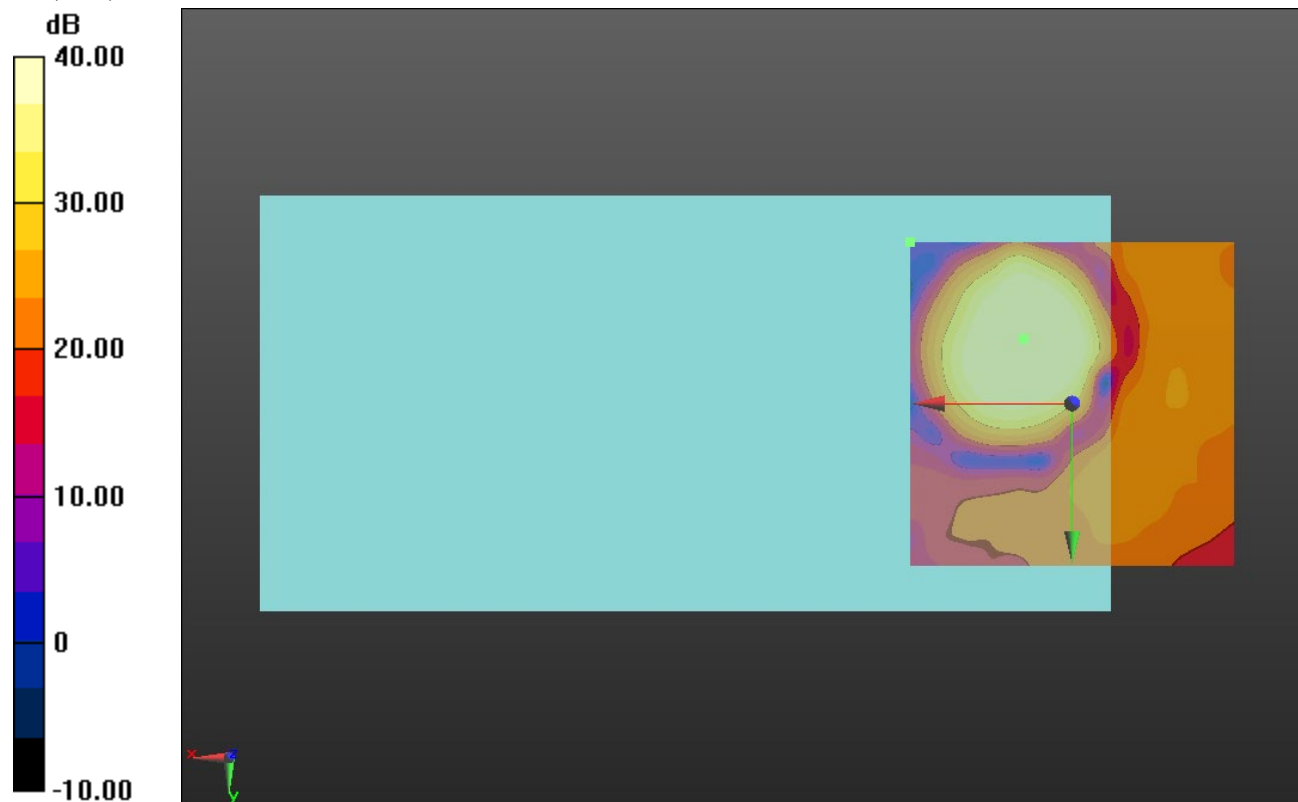
ABM1 comp = 6.75 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -10, 3.7 mm

ABM2 = -31.37 dBA/m

Location: 25, -25, 3.7 mm



CDMA2000 BC1

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA2000_8k EVRC_SO 3 RC 1/1_Ch 600_Port B_ANT2/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 19.08

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.62 dB

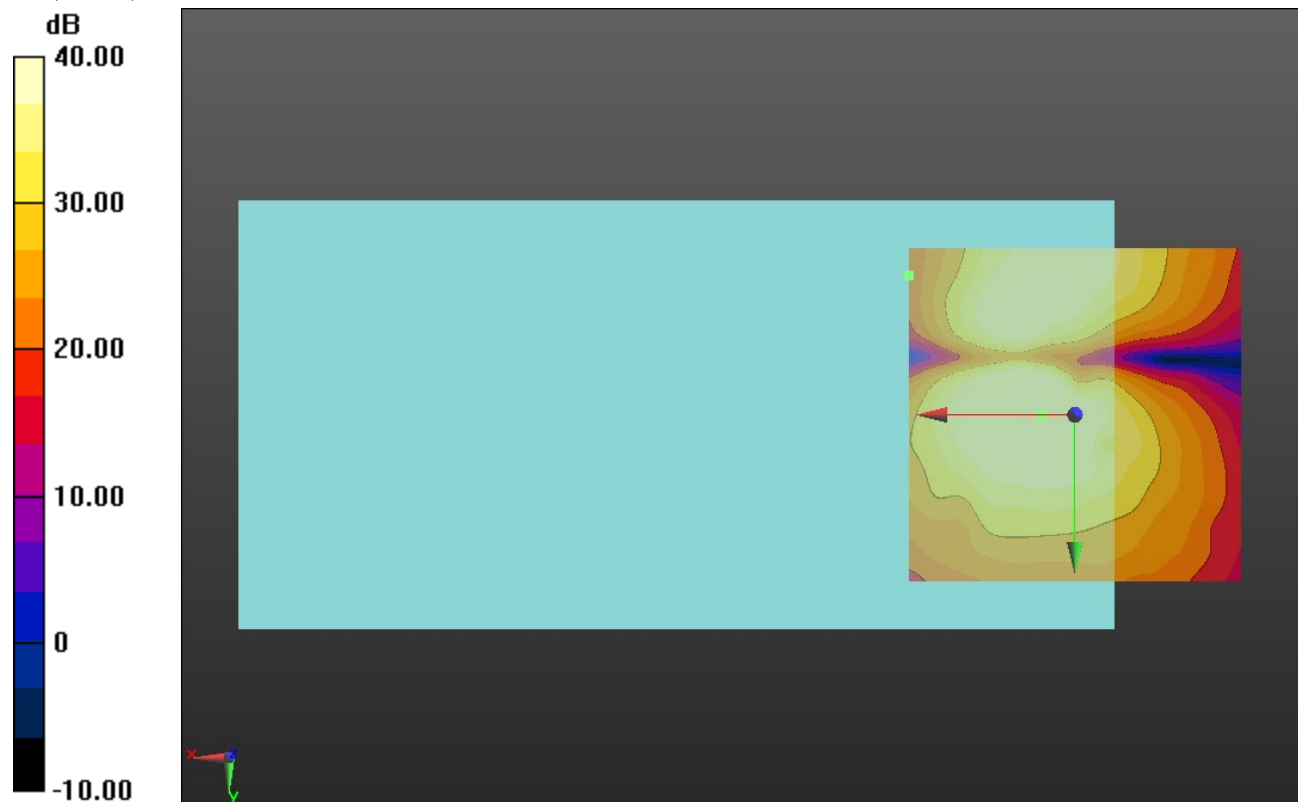
ABM1 comp = -2.28 dBA/m

BWC Factor = 0.16 dB

Location: 5, 0, 3.7 mm

ABM2 = -35.01 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC10

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 820.5 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10_RC1 SO3_Ch 580_Port B_ANT2/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 37.5

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

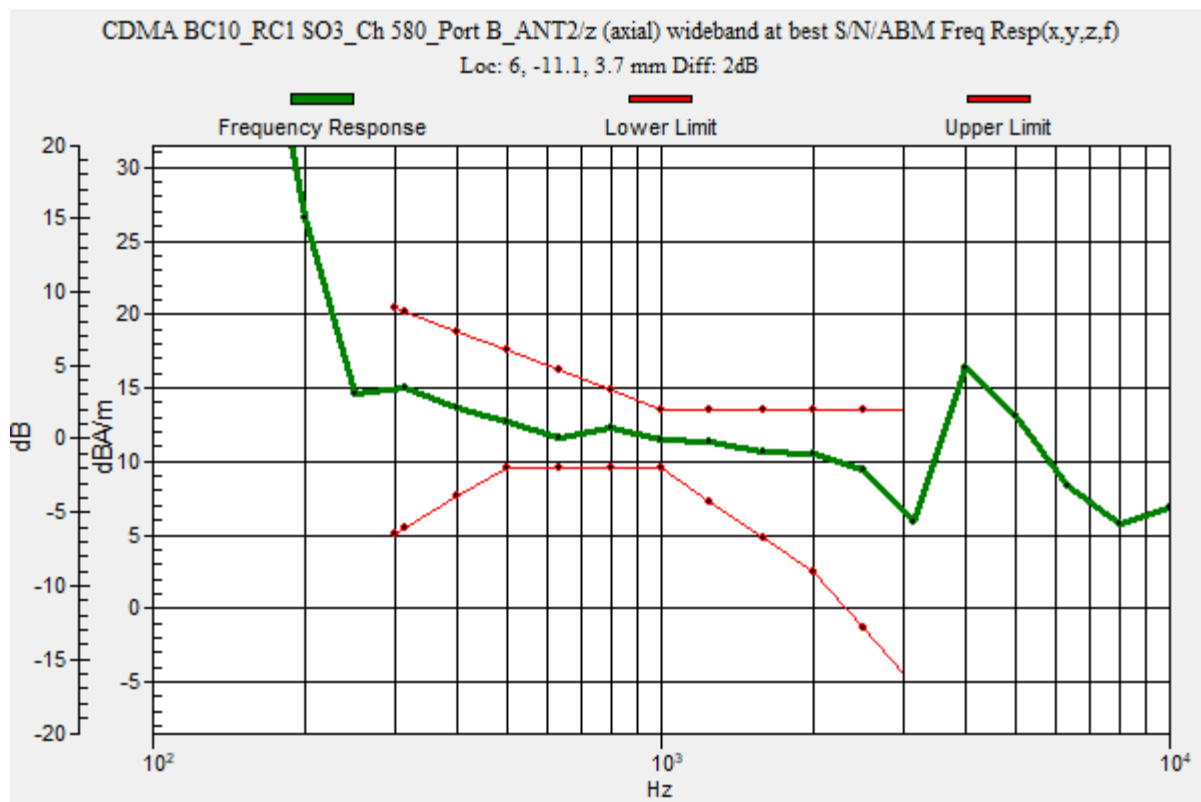
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 6, -11.1, 3.7 mm



CDMA BC10

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10_RC1 SO3_Ch 580_Port B_ANT2/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 19.12

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 47.39 dB

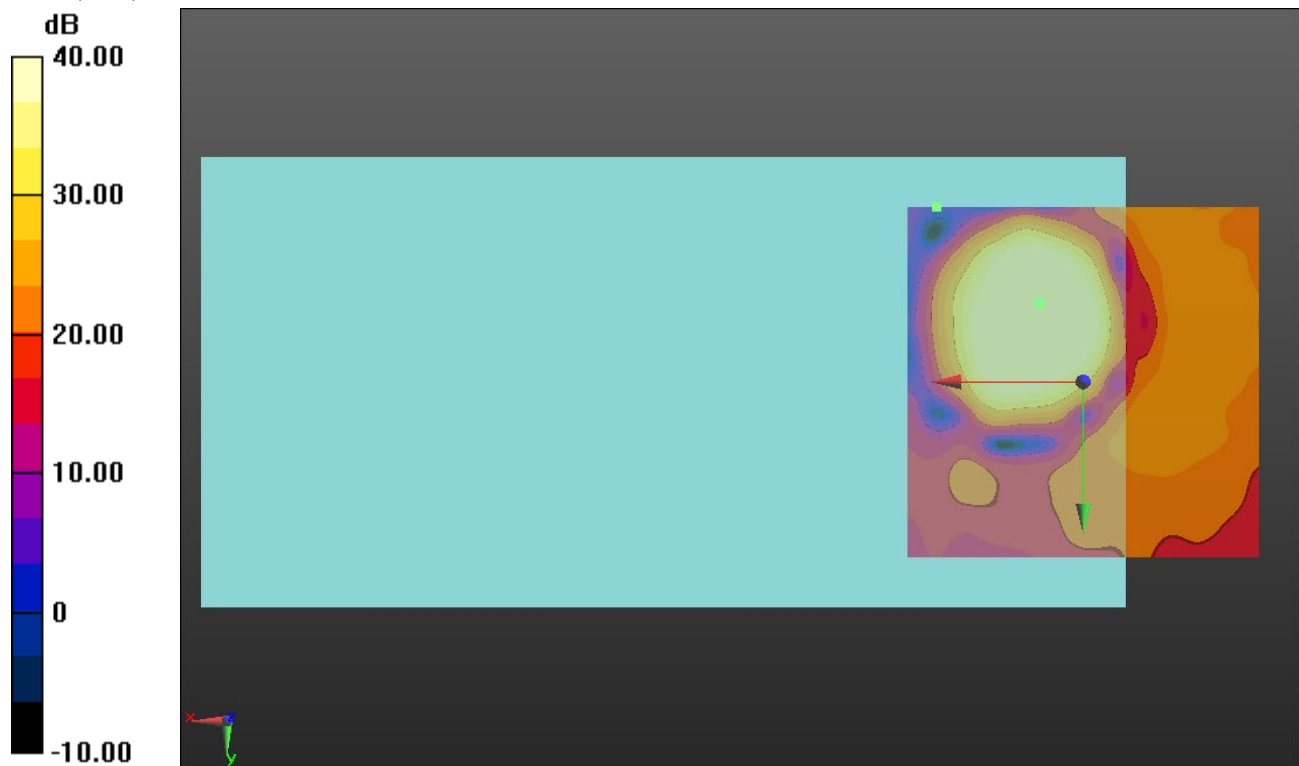
ABM1 comp = 8.41 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, -11.3, 3.7 mm

ABM2 = -28.21 dBA/m

Location: 20.8, -25, 3.7 mm



CDMA BC10

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10_RC1 SO3_Ch 580_Port B_ANT2/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 19.12

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.02 dB

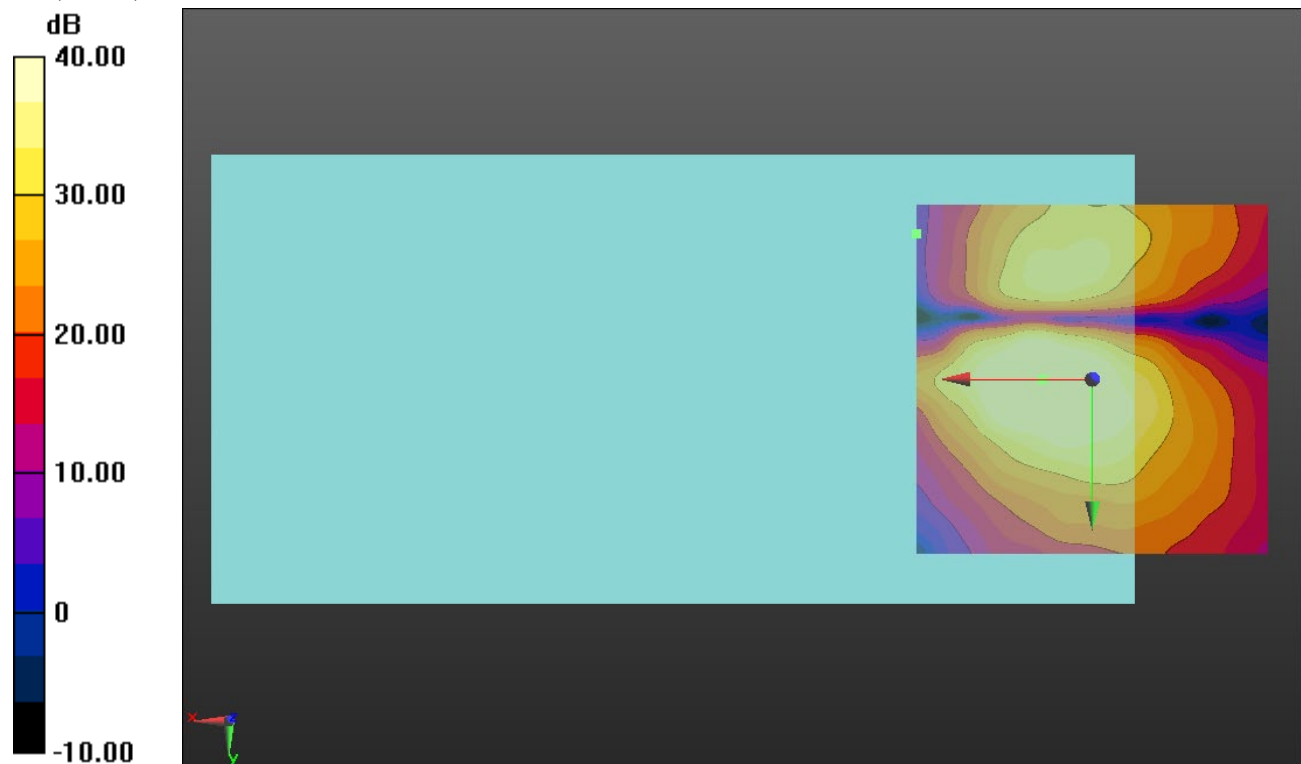
ABM1 comp = 0.68 dBA/m

BWC Factor = 0.16 dB

Location: 7.1, 0, 3.7 mm

ABM2 = -21.74 dBA/m

Location: 25, -20.8, 3.7 mm



LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2_QPSK_20MHz RB 50/49_Ch 18900_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

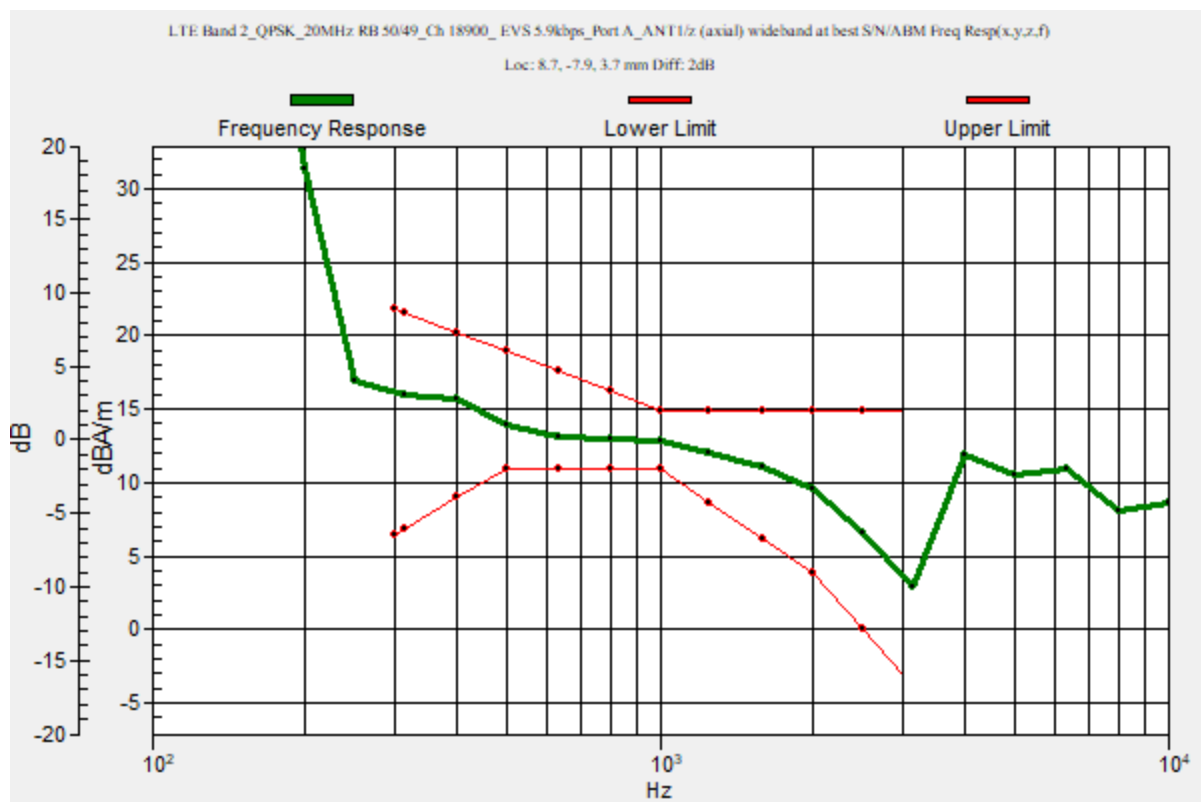
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.7, -7.9, 3.7 mm



LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2_QPSK_20MHz RB
50/49_Ch 18900_EVS 5.9kbps_Port A_ANT1/z (axial) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.93 dB

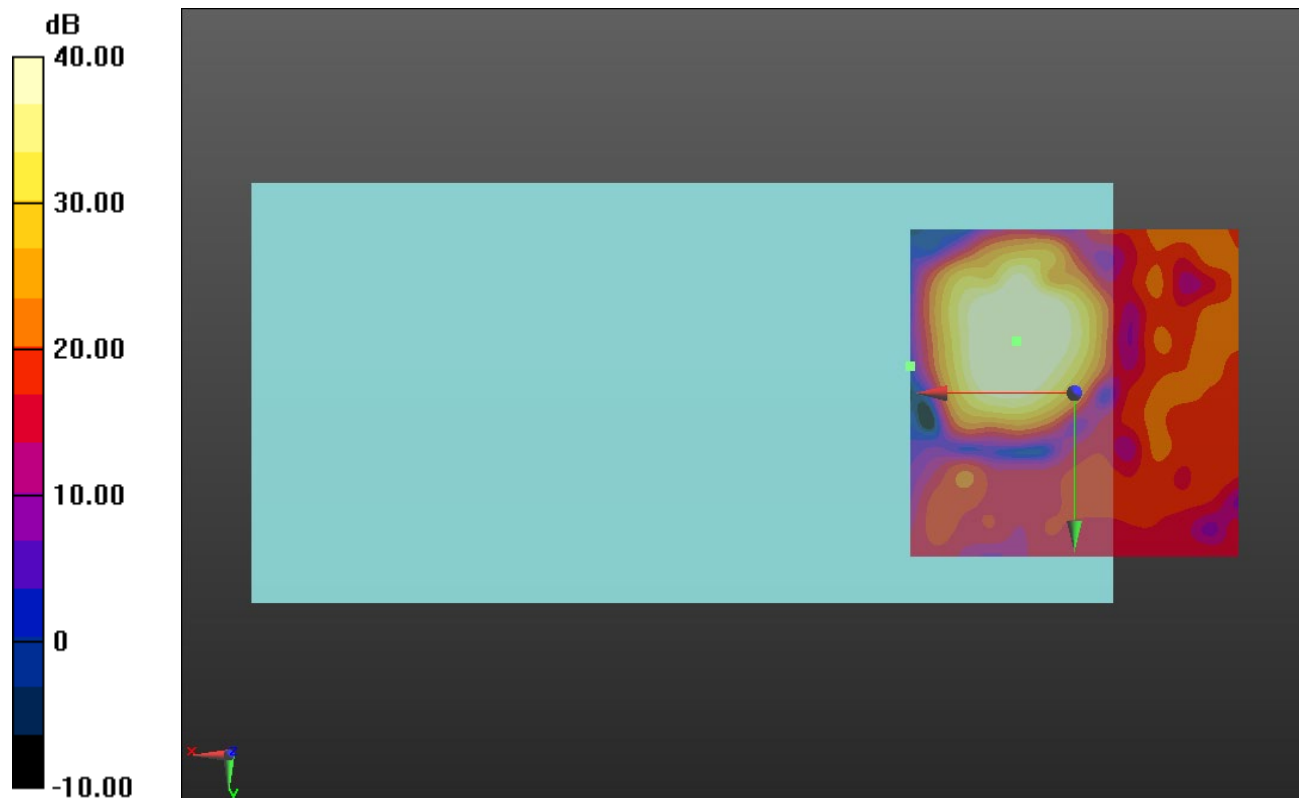
ABM1 comp = 8.58 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -7.9, 3.7 mm

ABM2 = -25.40 dBA/m

Location: 25, -4.2, 3.7 mm



LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2_QPSK_20MHz RB 50/49_Ch 18900_EVS 5.9kbps_Port A_ANT1/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.16 dB

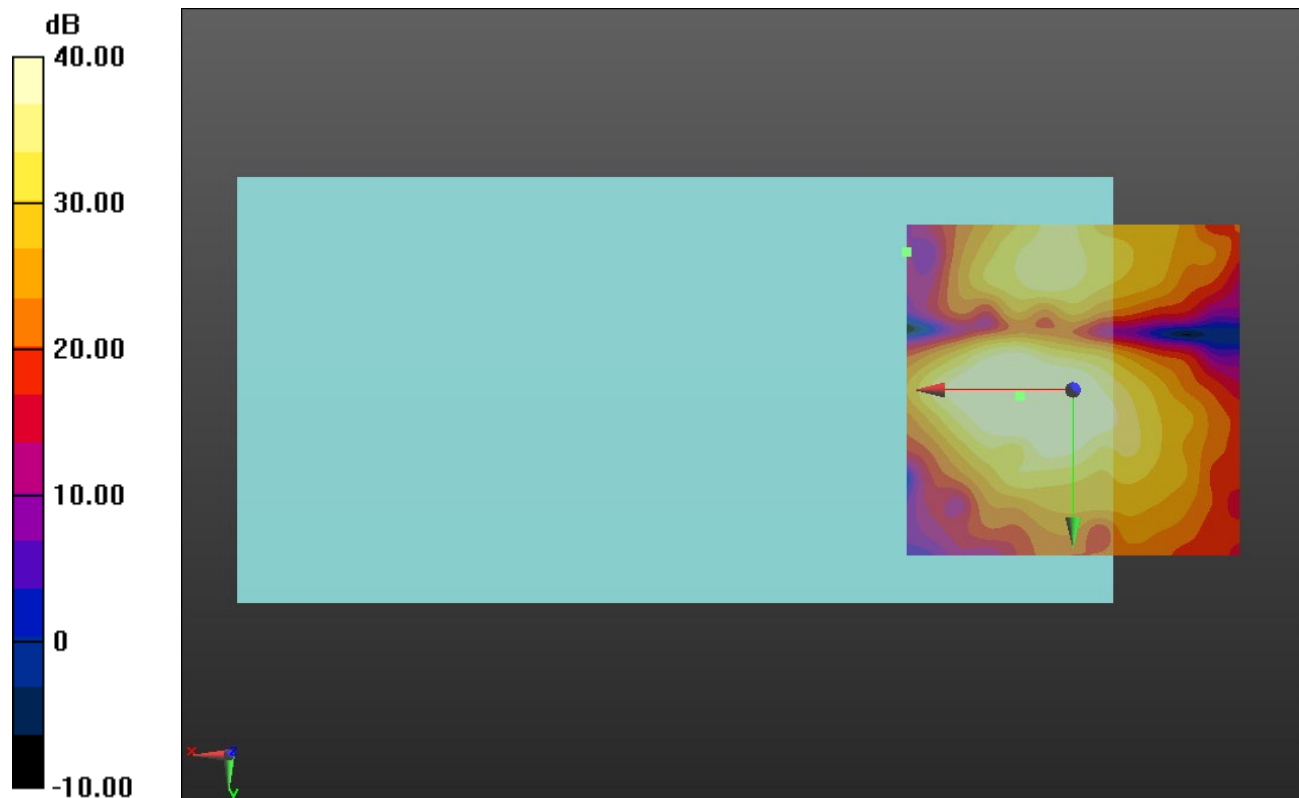
ABM1 comp = -0.12 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 0.8, 3.7 mm

ABM2 = -22.50 dBA/m

Location: 25, -20.8, 3.7 mm



LTE Band 4

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4_QPSK_20MHz RB 50/49_Ch 20175_ EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

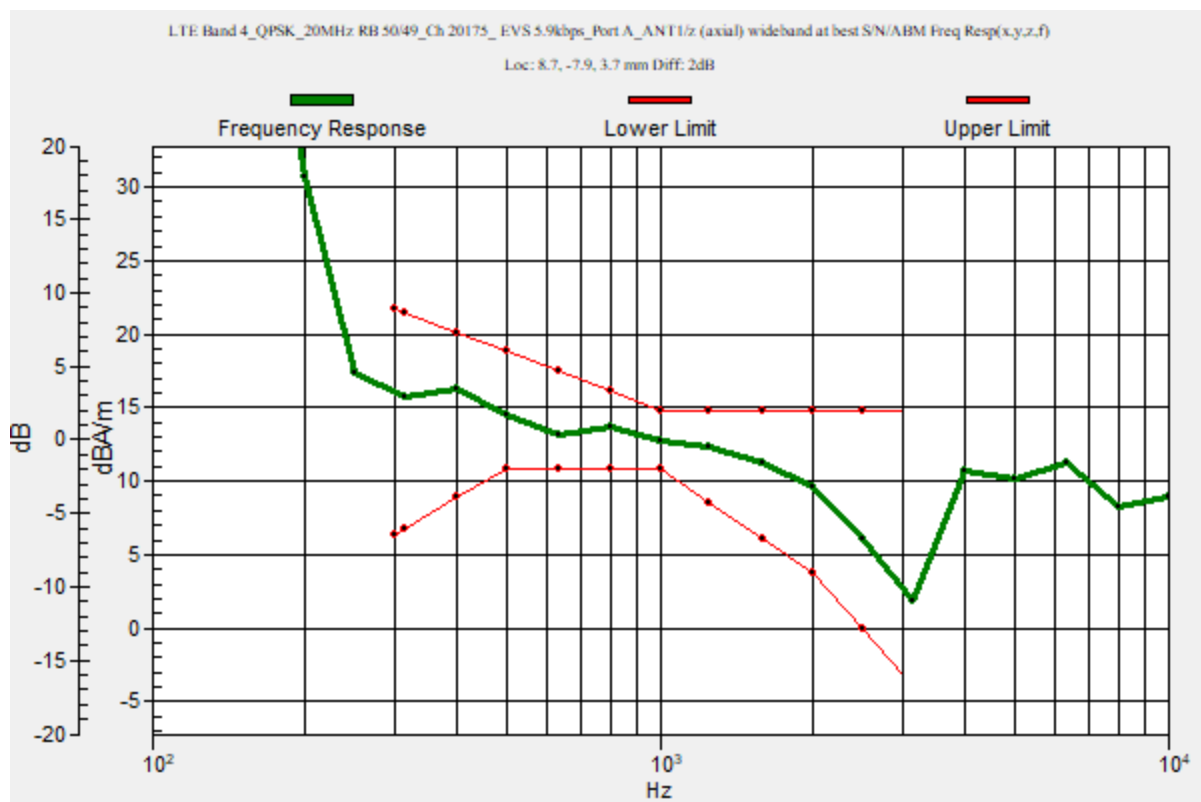
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.7, -7.9, 3.7 mm



LTE Band 4

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4_QPSK_20MHz RB 50/49_Ch 20175_EVS 5.9kbps_Port A_ANT1/z (axial) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.41 dB

ABM1 comp = 9.55 dBA/m

BWC Factor = 0.16 dB

Location: 8.7, -7.9, 3.7 mm

ABM2 = -36.86 dBA/m

Location: 8.7, -7.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4_QPSK_20MHz RB 50/49_Ch 20175_EVS 5.9kbps_Port A_ANT1/y (transversal) Single Point/ABM

SNR(x,y,z) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.98 dB

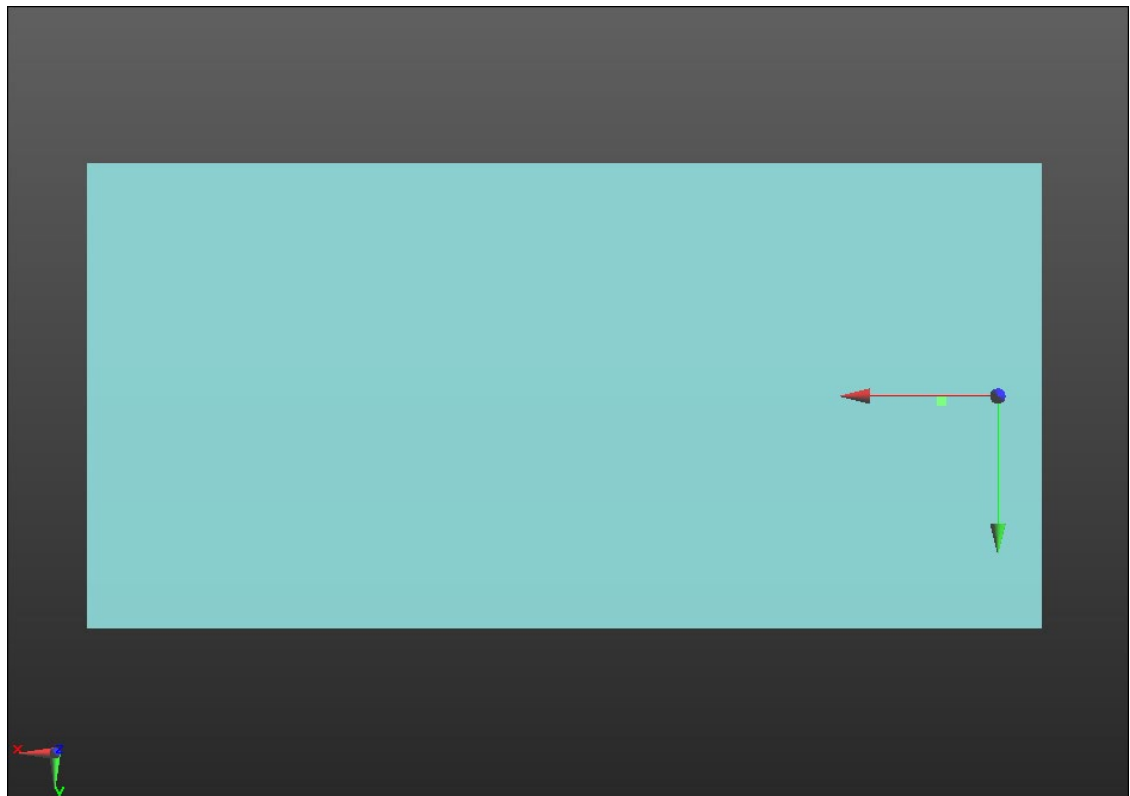
ABM1 comp = -0.75 dBA/m

BWC Factor = 0.16 dB

Location: 7.7, 0.7, 3.7 mm

ABM2 = -44.73 dBA/m

Location: 7.7, 0.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5_QPSK_10MHz RB 25/25_Ch 20525_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

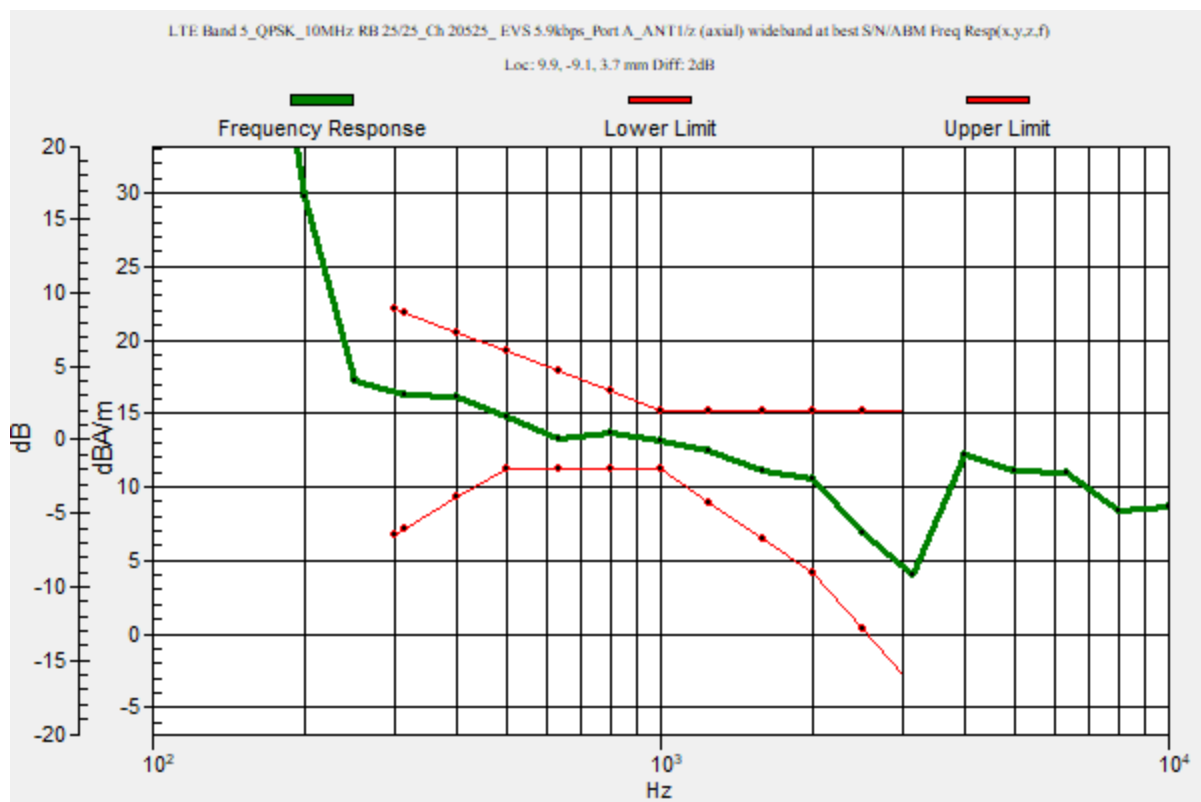
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 9.9, -9.1, 3.7 mm



LTE Band 5

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5_QPSK_10MHz RB
25/25_Ch 20525_EVS 5.9kbps_Port A_ANT1/z (axial) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.88 dB

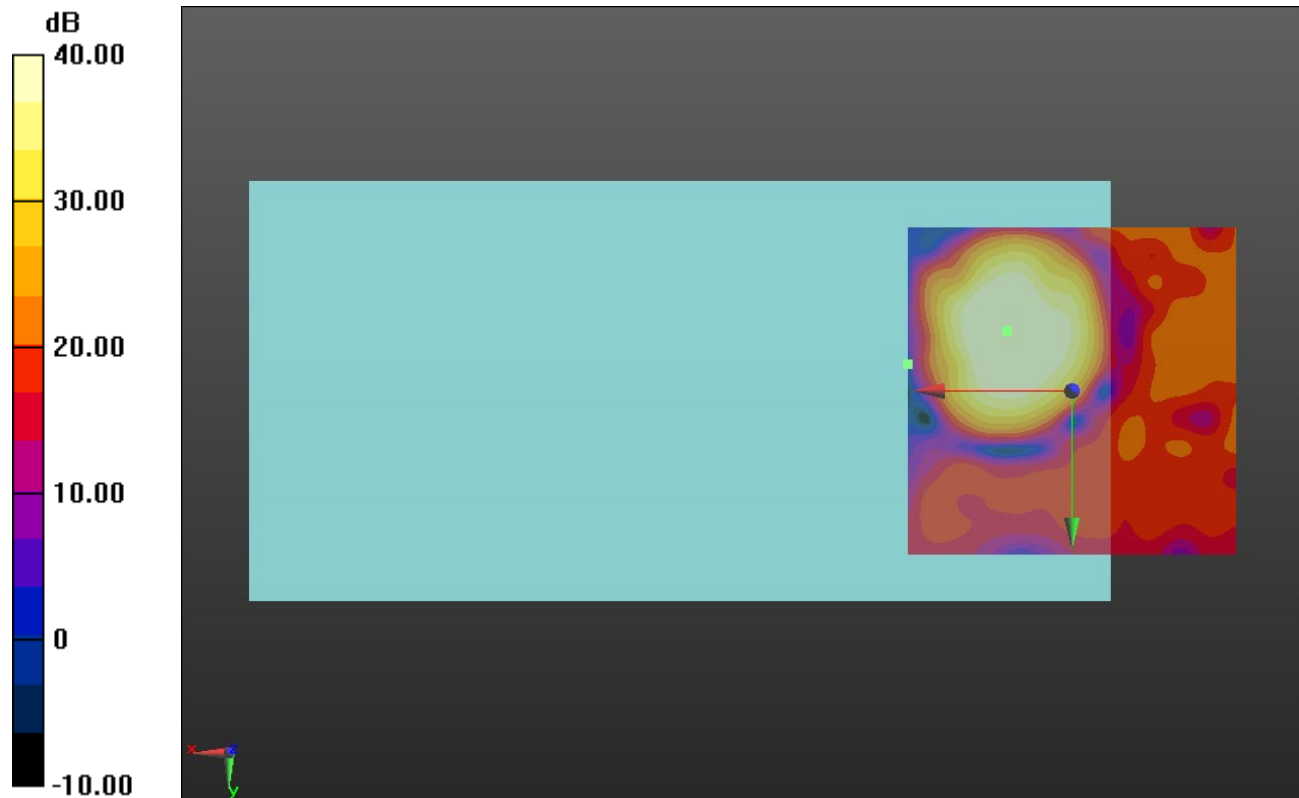
ABM1 comp = 8.63 dBA/m

BWC Factor = 0.16 dB

Location: 10, -9.2, 3.7 mm

ABM2 = -25.78 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5_QPSK_10MHz RB 25/25_Ch 20525_EVS 5.9kbps_Port A_ANT1/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.79 dB

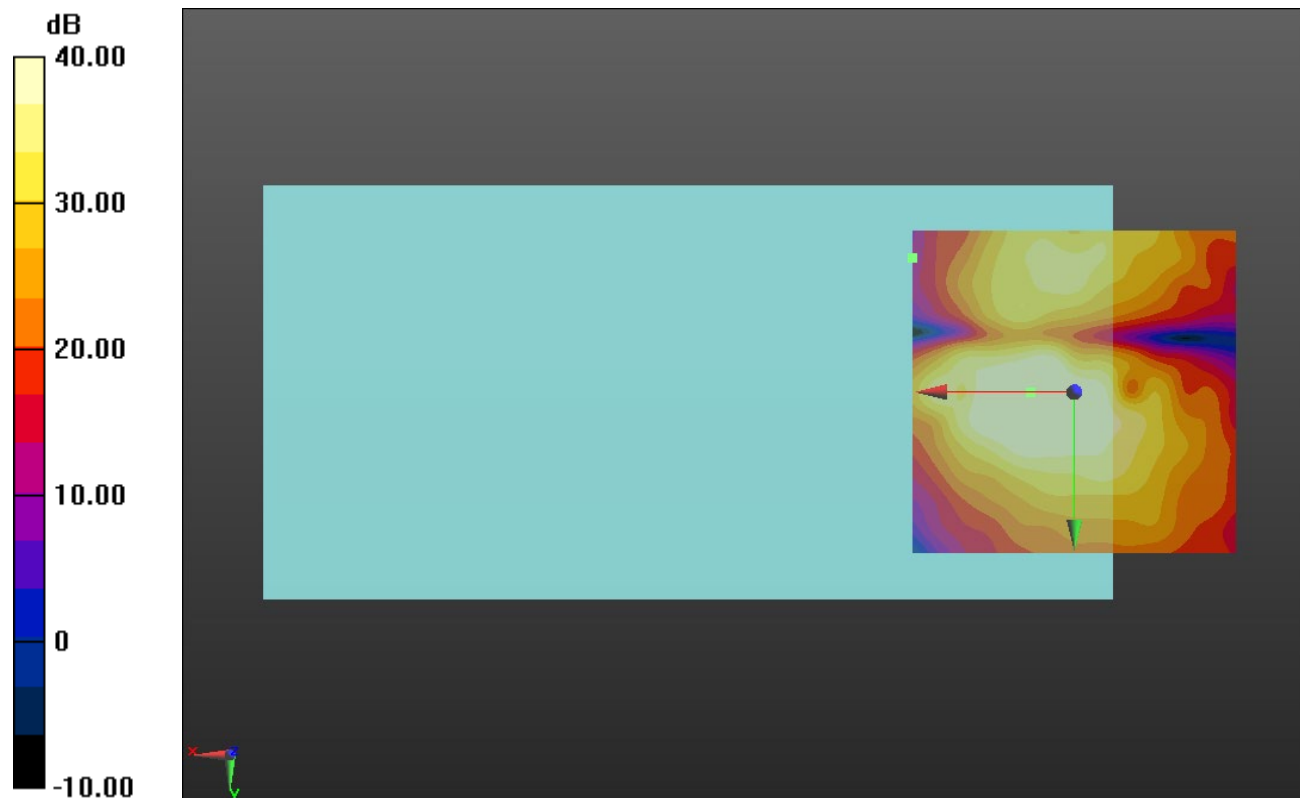
ABM1 comp = 0.65 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 0, 3.7 mm

ABM2 = -23.19 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7_QPSK_20MHz RB 50/49_Ch 21100_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

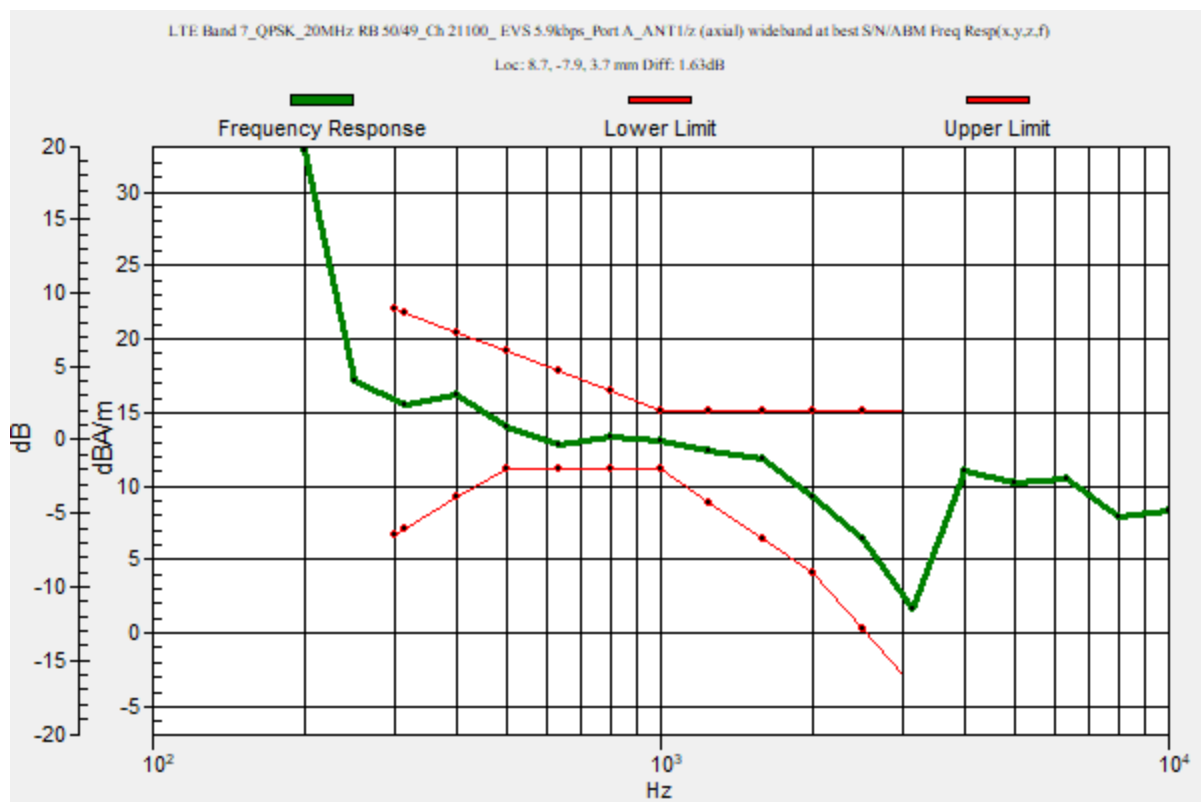
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.63 dB

BWC Factor = 10.80 dB

Location: 8.7, -7.9, 3.7 mm



LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7_QPSK_20MHz RB 50/49_Ch 21100_EVS 5.9kbps_Port A_ANT1/z (axial) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.39 dB

ABM1 comp = 7.63 dBA/m

BWC Factor = 0.16 dB

Location: 8.7, -7.9, 3.7 mm

ABM2 = -36.76 dBA/m

Location: 8.7, -7.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2535 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7_QPSK_20MHz RB 50/49_Ch 21100_EVS 5.9kbps_Port A_ANT1/y (transversal) Single Point/ABM

SNR(x,y,z) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.65 dB

ABM1 comp = -0.02 dBA/m

BWC Factor = 0.16 dB

Location: 7.7, 0.7, 3.7 mm

ABM2 = -44.67 dBA/m

Location: 7.7, 0.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12_QPSK_10MHz RB 25/25_Ch 23095_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

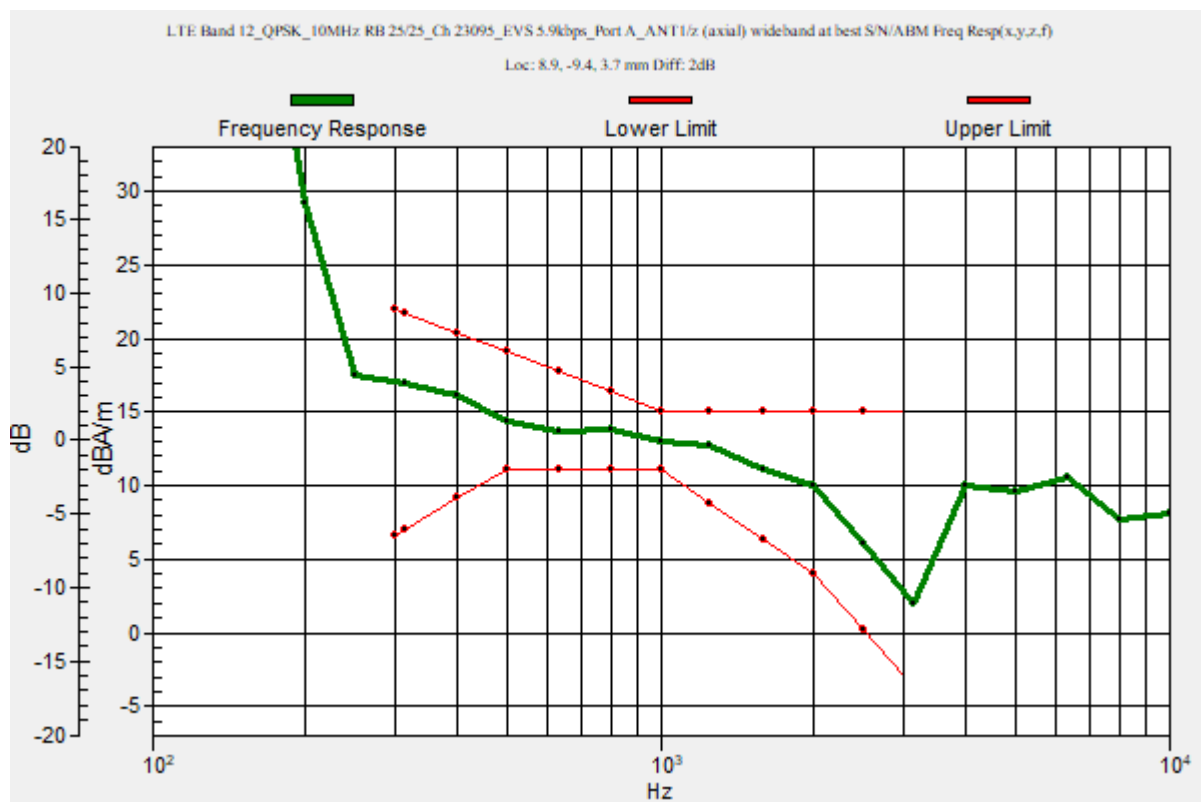
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.9, -9.4, 3.7 mm



LTE Band 12

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12_QPSK_10MHz RB 25/25_Ch 23095_EVS 5.9kbps_Port A_ANT1/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.64 dB

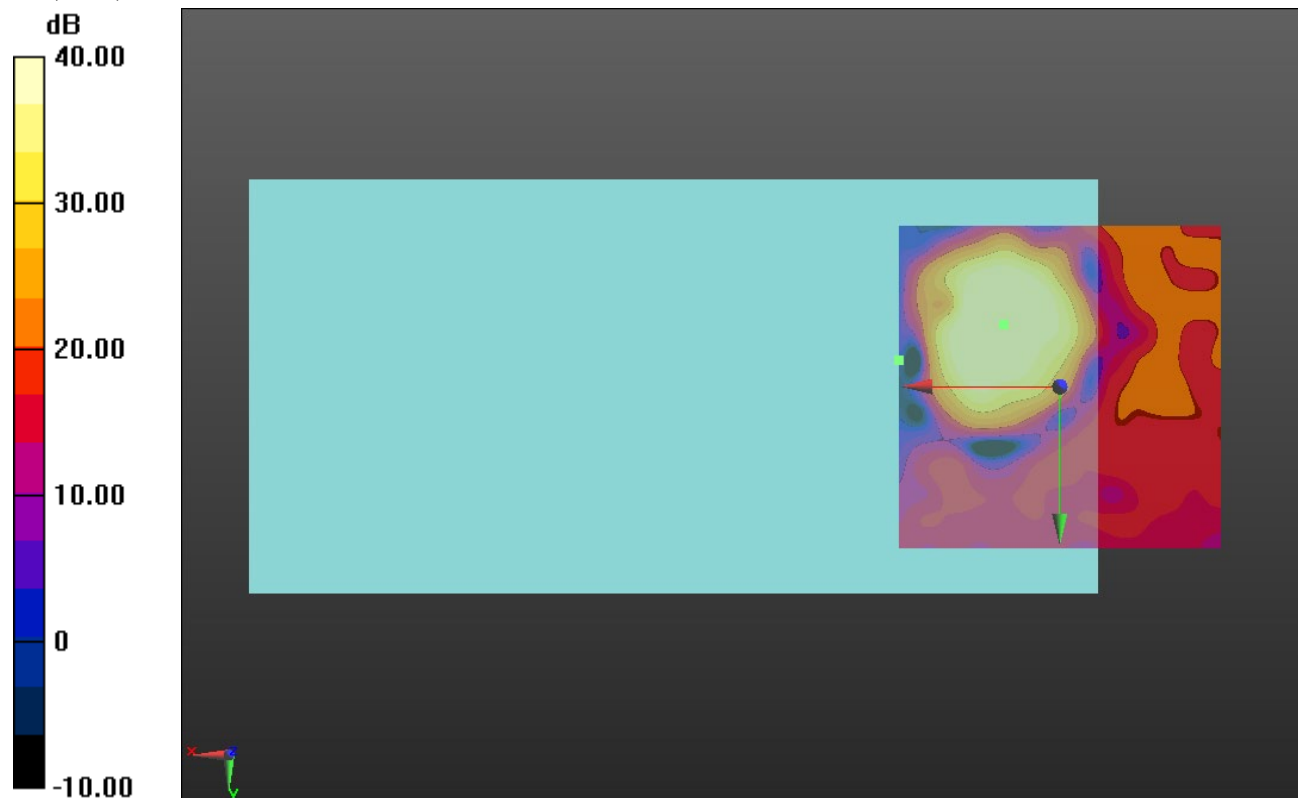
ABM1 comp = 9.39 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -9.6, 3.7 mm

ABM2 = -25.85 dBA/m

Location: 25, -4.2, 3.7 mm



LTE Band 12

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12_QPSK_10MHz RB 25/25_Ch 23095_EVS 5.9kbps_Port A_ANT1/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.86 dB

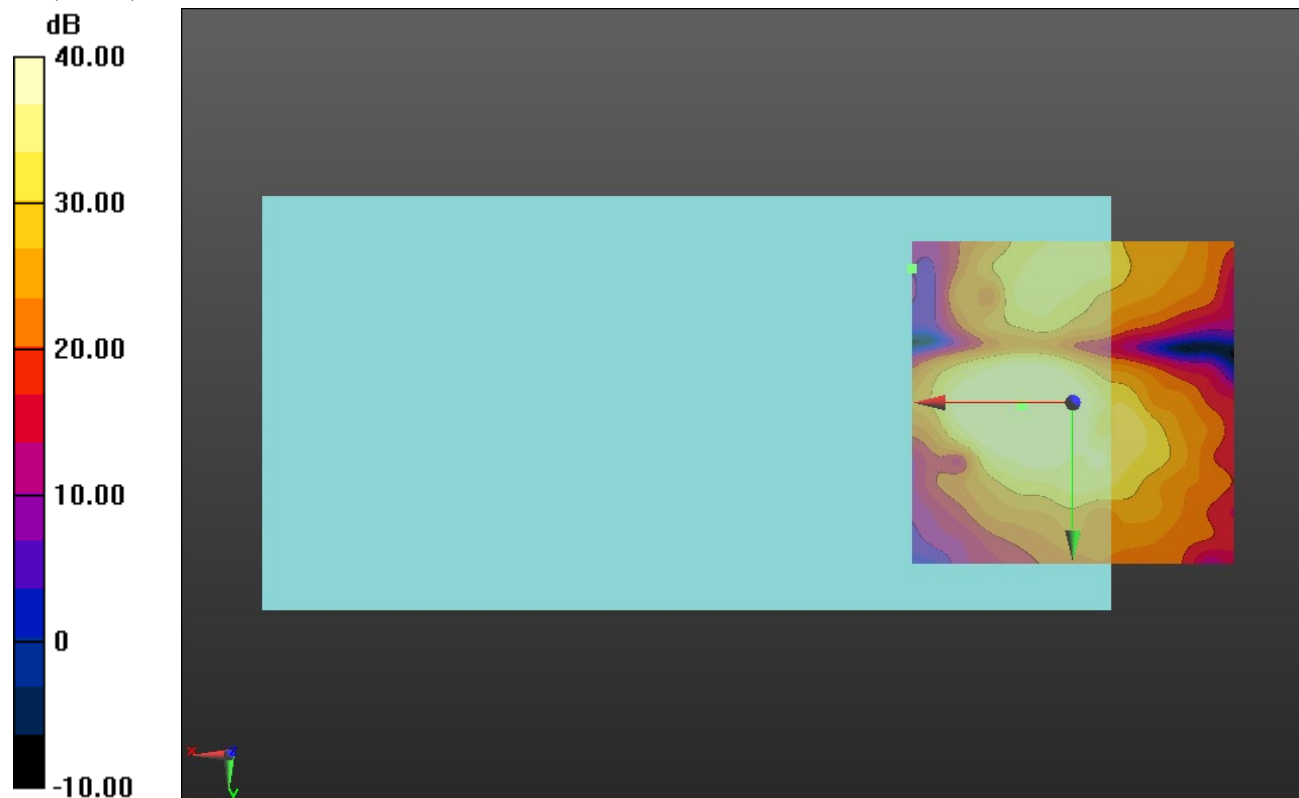
ABM1 comp = 0.90 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 0.4, 3.7 mm

ABM2 = -21.75 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 782 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13_QPSK_10MHz RB 25/25_Ch 23230_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

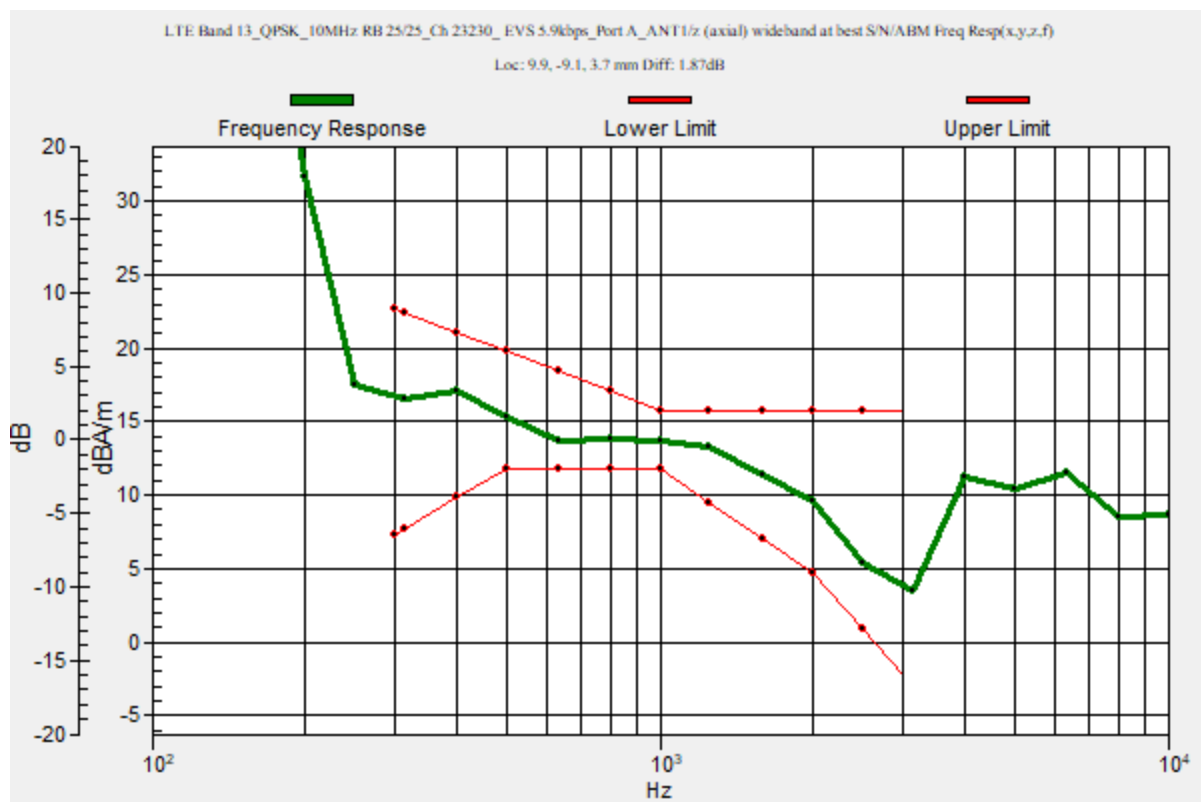
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.87 dB

BWC Factor = 10.80 dB

Location: 9.9, -9.1, 3.7 mm



LTE Band 13

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13_QPSK_10MHz RB 25/25_Ch 23230_EVS 5.9kbps_Port A_ANT1/z (axial) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.35 dB

ABM1 comp = 10.22 dBA/m

BWC Factor = 0.16 dB

Location: 9.9, -9.1, 3.7 mm

ABM2 = -36.14 dBA/m

Location: 9.9, -9.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 17

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 710 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17_QPSK_10MHz RB 25/25_Ch 23790_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

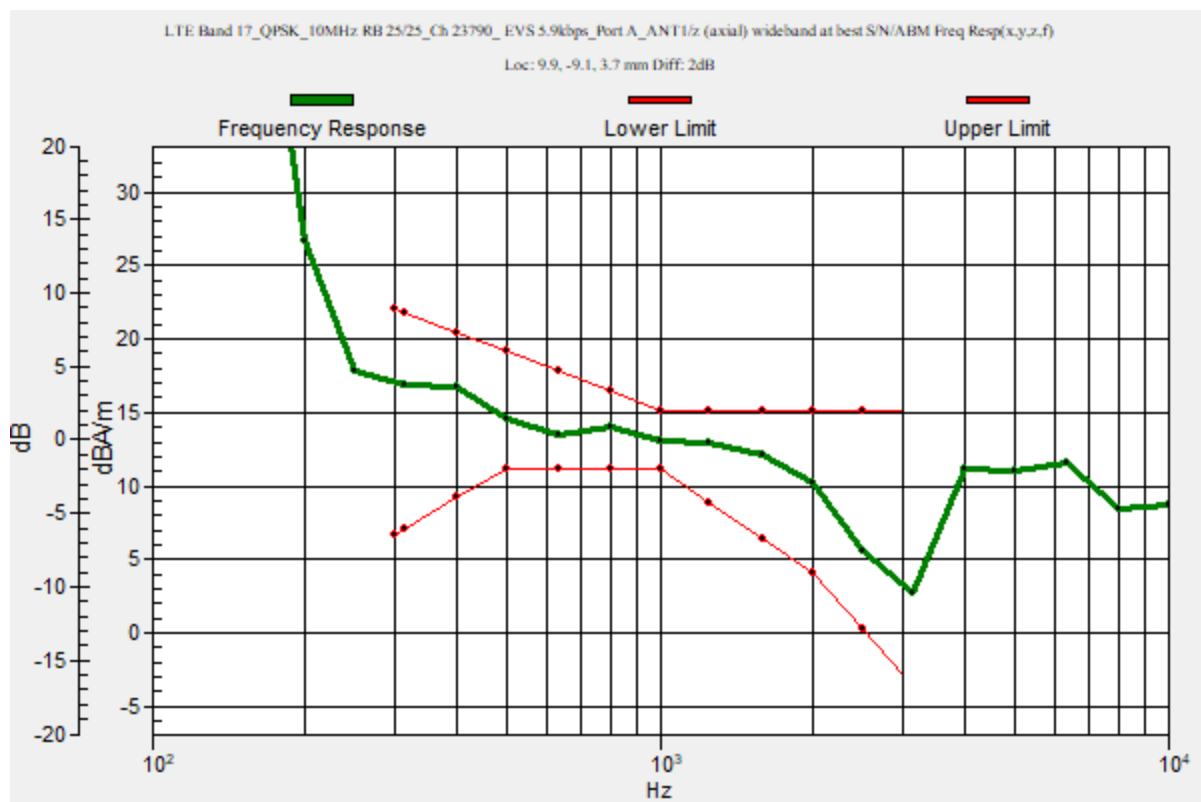
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 9.9, -9.1, 3.7 mm



LTE Band 17

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17_QPSK_10MHz RB 25/25_Ch 23790_EVS 5.9kbps_Port A_ANT1/z (axial) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.75 dB

ABM1 comp = 9.67 dBA/m

BWC Factor = 0.16 dB

Location: 9.9, -9.1, 3.7 mm

ABM2 = -36.07 dBA/m

Location: 9.9, -9.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 17

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17_QPSK_10MHz RB 25/25_Ch 23790_EVS 5.9kbps_Port A_ANT1/y (transversal) Single Point/ABM

SNR(x,y,z) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.32 dB

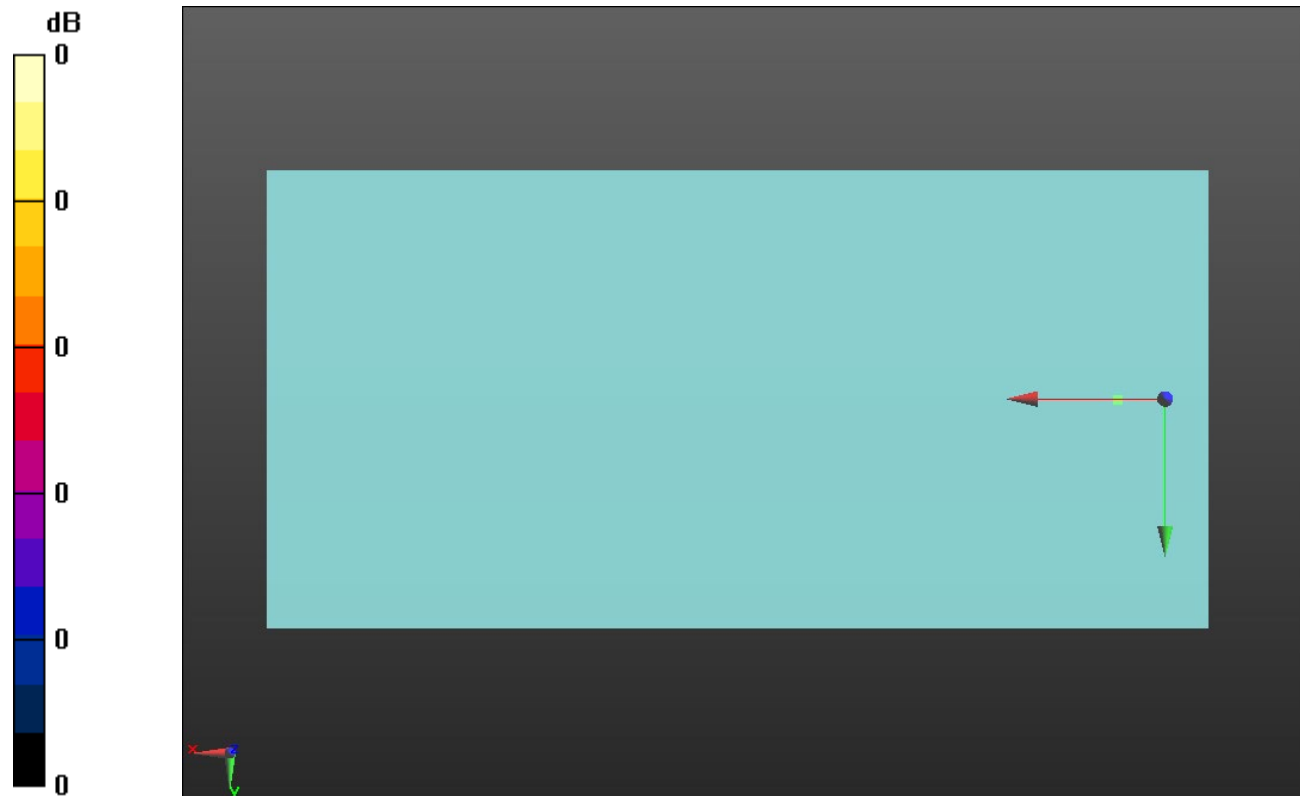
ABM1 comp = -2.92 dBA/m

BWC Factor = 0.16 dB

Location: 6.6, 0.1, 3.7 mm

ABM2 = -45.24 dBA/m

Location: 6.6, 0.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25

Communication System: UID 0, @LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25_QPSK RB 50/49_Ch 26365_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

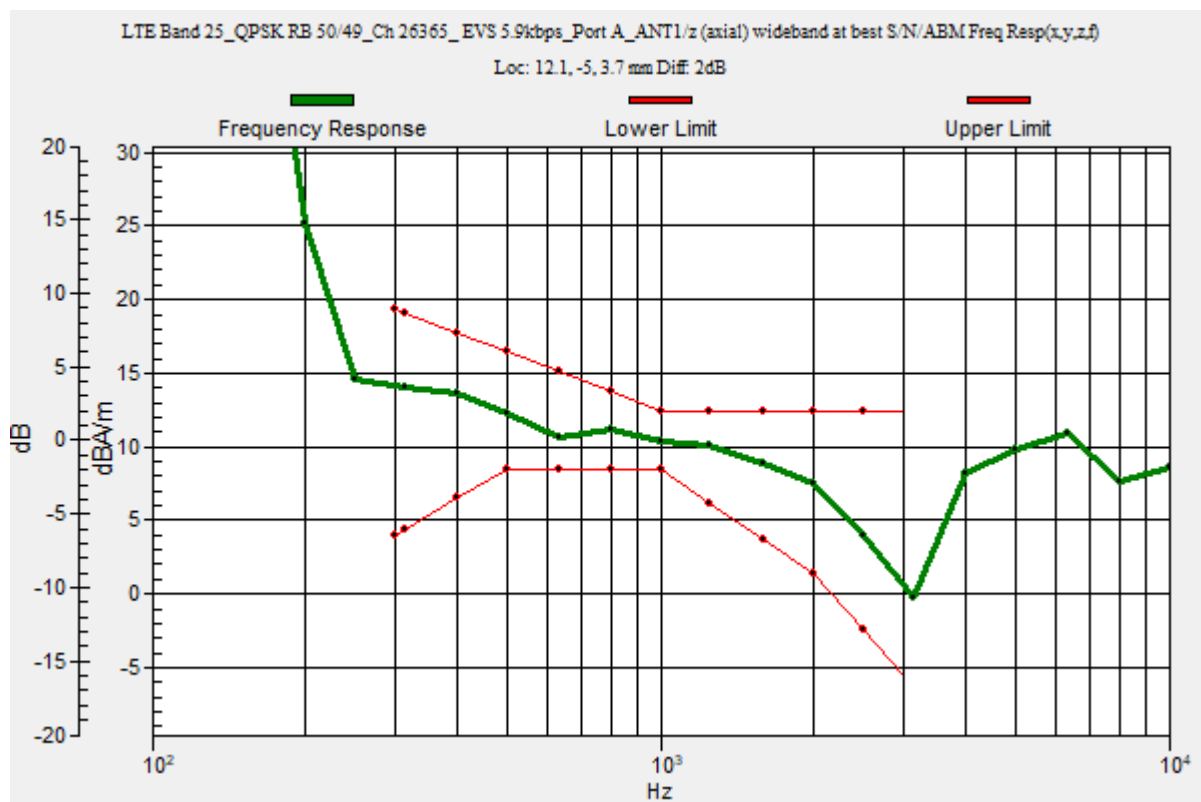
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 12.1, -5, 3.7 mm



LTE Band 25

Communication System: UID 0, @LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25_QPSK RB 50/49_Ch 26365_EVS 5.9kbps_Port A_ANT1/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.34 dB

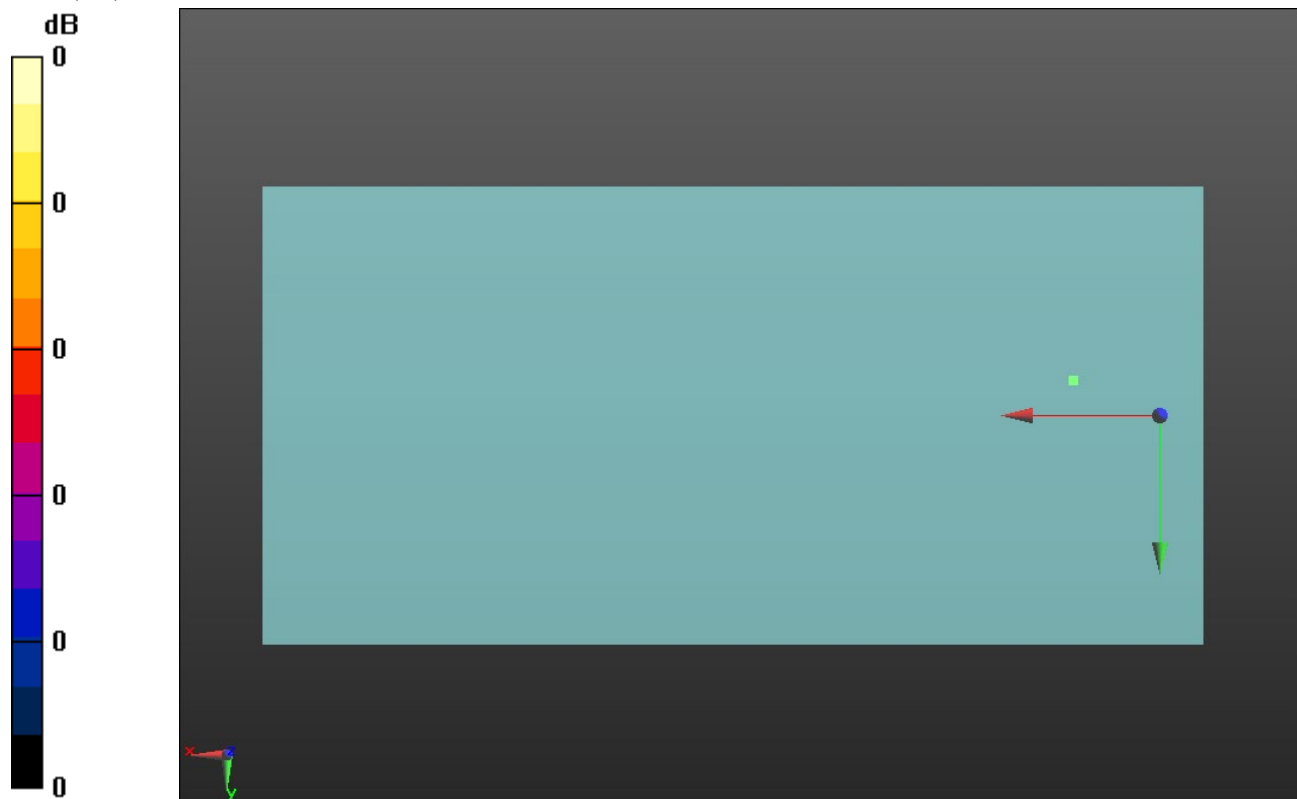
ABM1 comp = 4.66 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -5, 3.7 mm

ABM2 = -36.68 dBA/m

Location: 12.1, -5, 3.7 mm



LTE Band 25

Communication System: UID 0, @LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25_QPSK RB 50/49_Ch 26365_EVS 5.9kbps_Port A_ANT1/y (transversal) Single Point/ABM SNR(x,y,z) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.87 dB

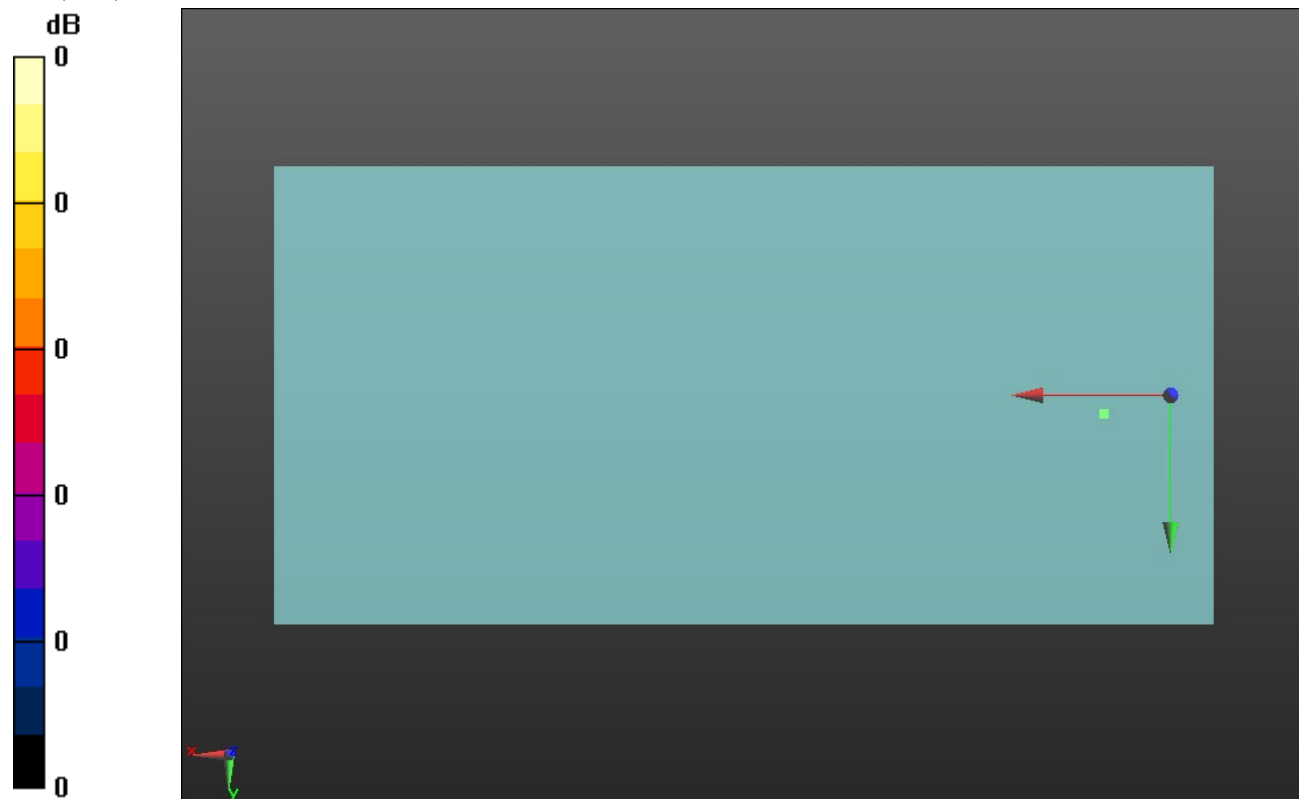
ABM1 comp = 0.57 dBA/m

BWC Factor = 0.16 dB

Location: 9.4, 2.6, 3.7 mm

ABM2 = -44.30 dBA/m

Location: 9.4, 2.6, 3.7 mm



LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26_QPSK_15MHz RB 36/39_Ch 26865_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

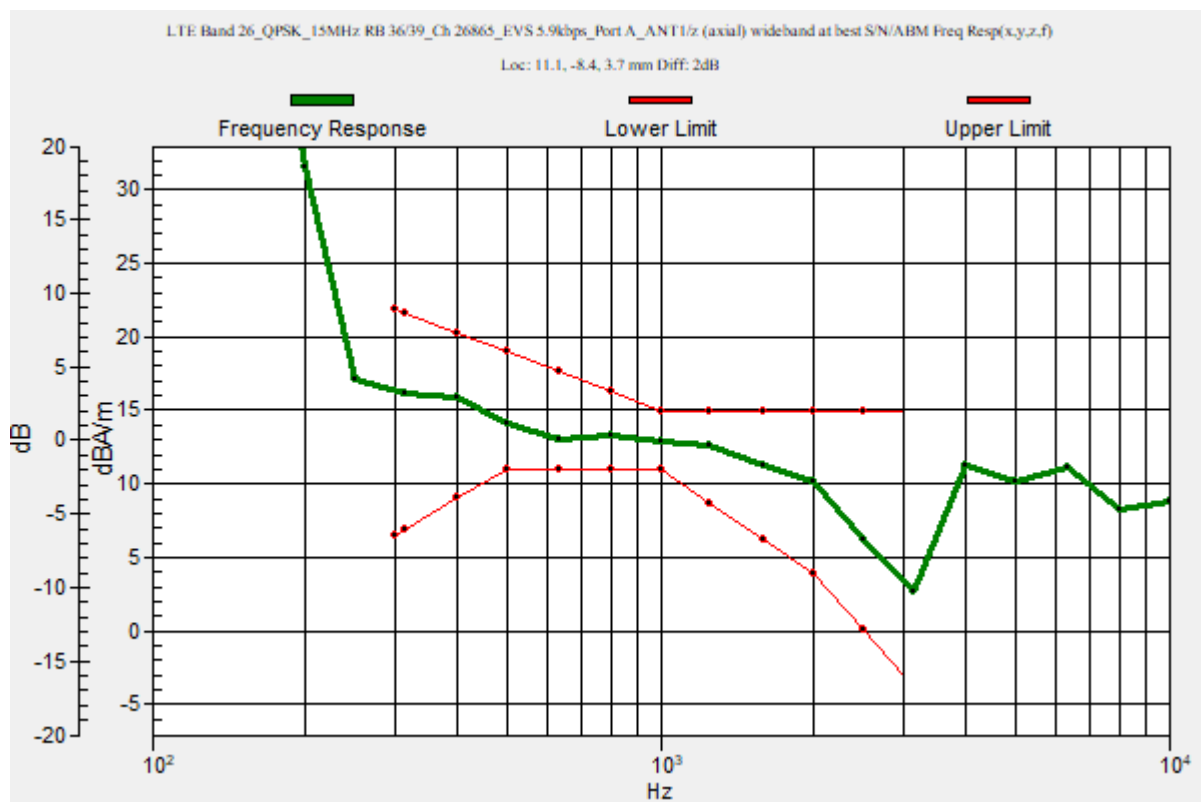
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 11.1, -8.4, 3.7 mm



LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26_QPSK_15MHz RB 36/39_Ch 26865_EVS 5.9kbps_Port A_ANT1/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.91 dB

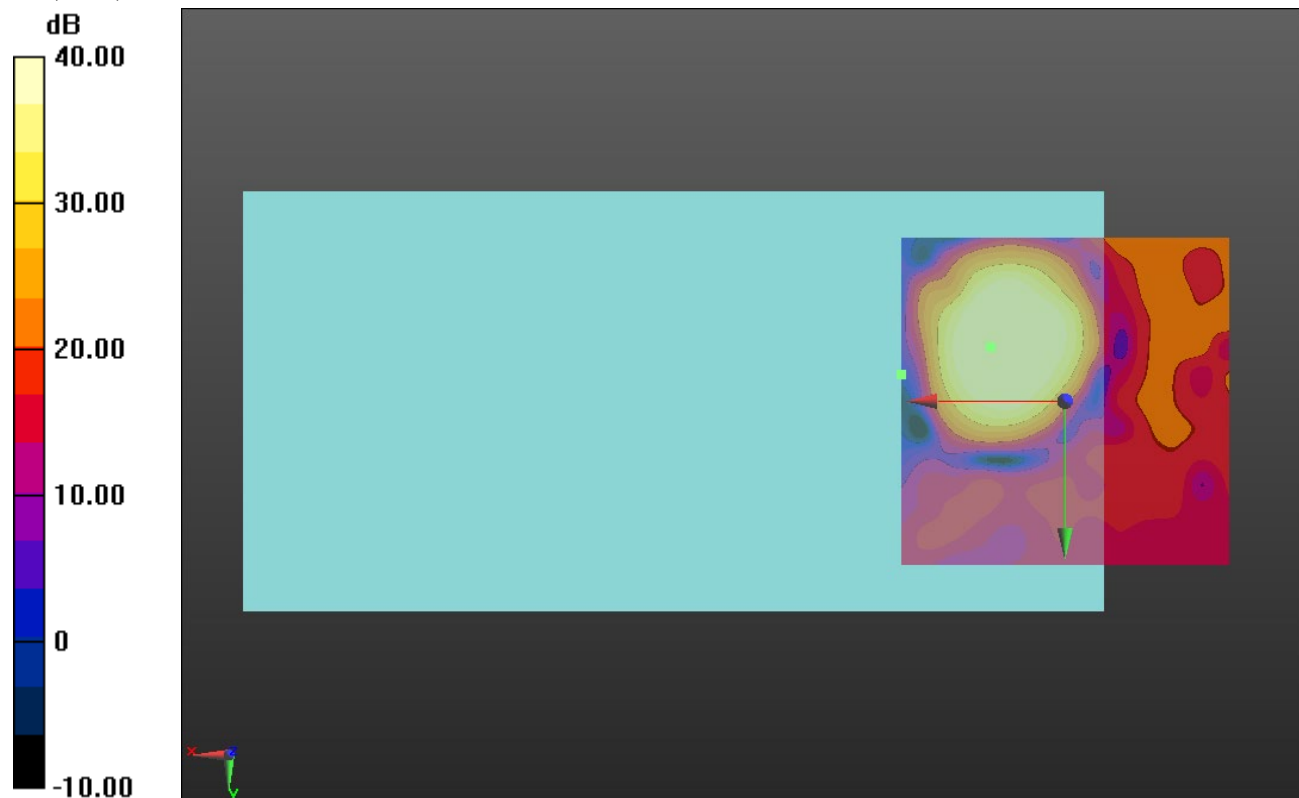
ABM1 comp = 9.48 dBA/m

BWC Factor = 0.16 dB

Location: 11.3, -8.3, 3.7 mm

ABM2 = -24.99 dBA/m

Location: 25, -4.2, 3.7 mm



LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26_QPSK_15MHz RB 36/39_Ch 26865_EVS 5.9kbps_Port A_ANT1/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.75 dB

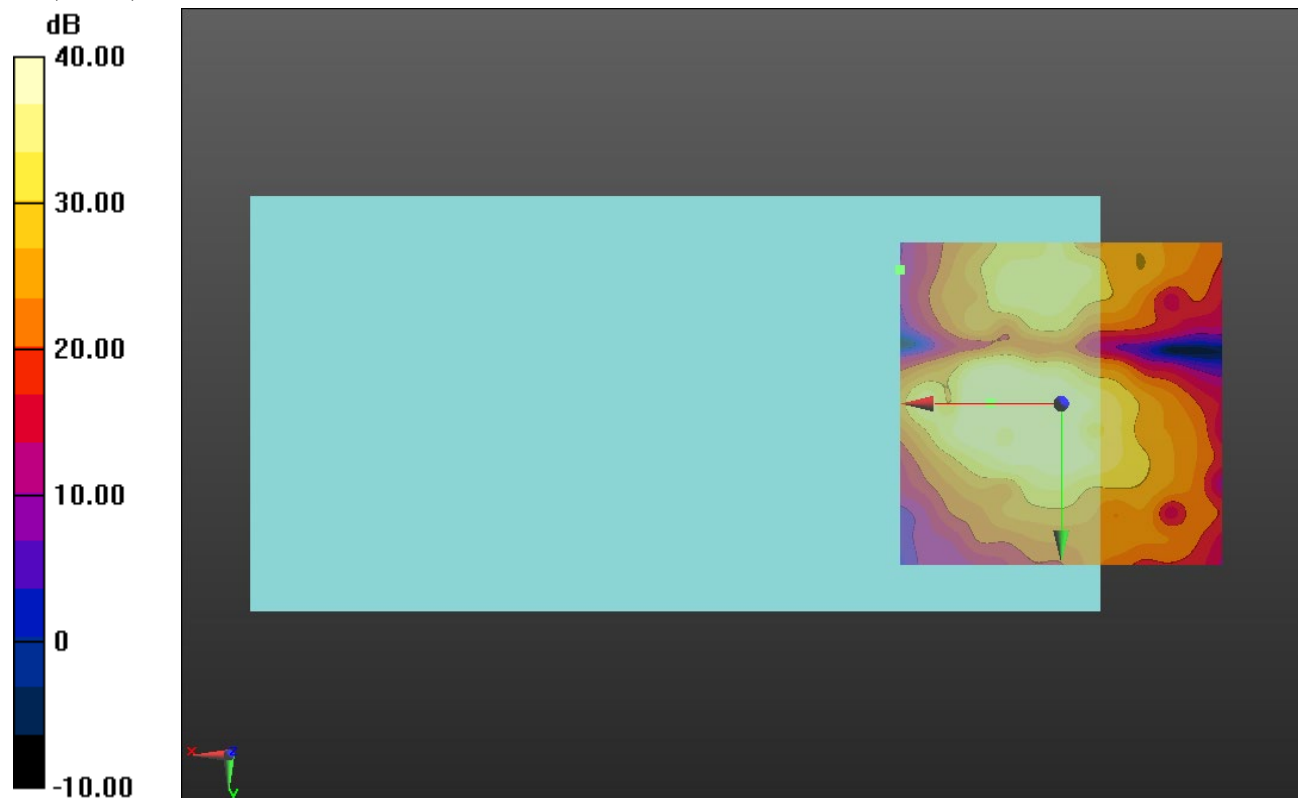
ABM1 comp = 2.15 dBA/m

BWC Factor = 0.16 dB

Location: 10.8, 0, 3.7 mm

ABM2 = -22.60 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2310 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30_QPSK_10MHz RB 25/25_Ch 27710_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

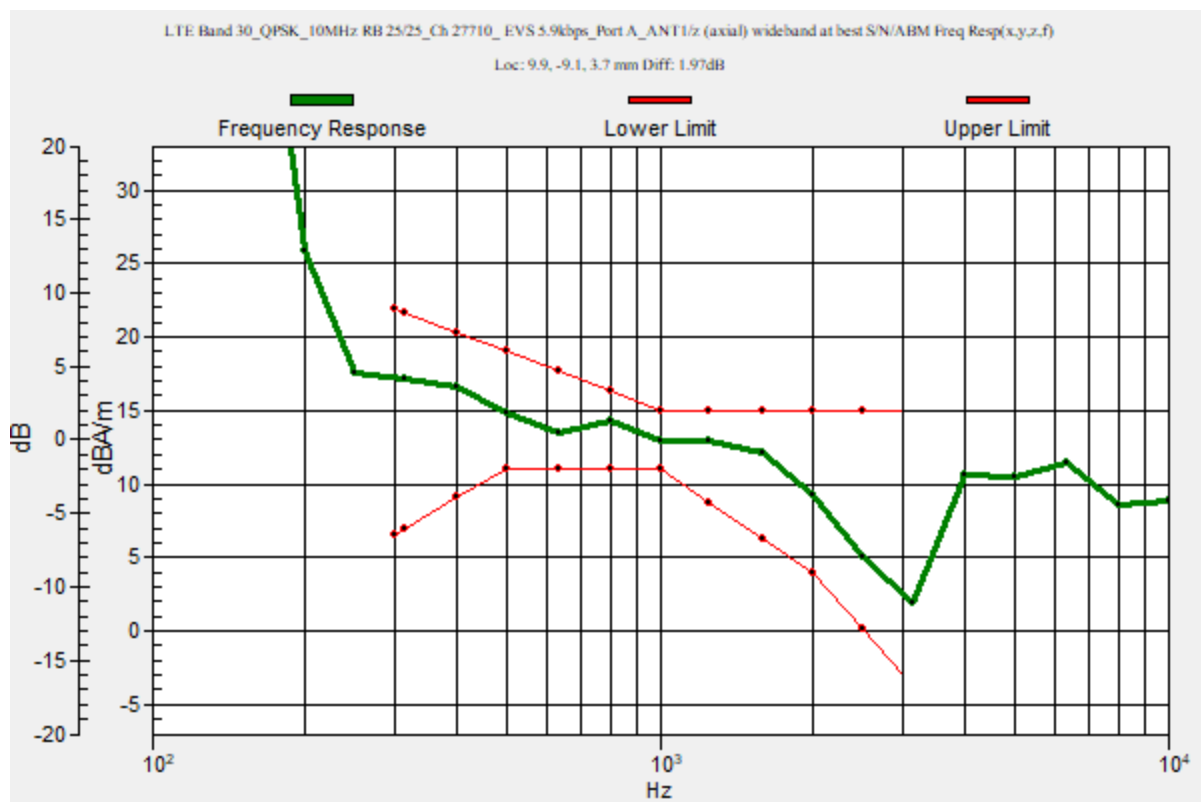
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.97 dB

BWC Factor = 10.80 dB

Location: 9.9, -9.1, 3.7 mm



LTE Band 30

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2310 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30_QPSK_10MHz RB 25/25_Ch 27710_EVS 5.9kbps_Port A_ANT1/y (transversal) Single Point/ABM

SNR(x,y,z) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.51 dB

ABM1 comp = 0.74 dBA/m

BWC Factor = 0.16 dB

Location: 6.6, 0.1, 3.7 mm

ABM2 = -44.77 dBA/m

Location: 6.6, 0.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59956

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20 MHz_64QAM RB 1/49_Ch 40620_AMR-WB 6.6 kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM

Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.21

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

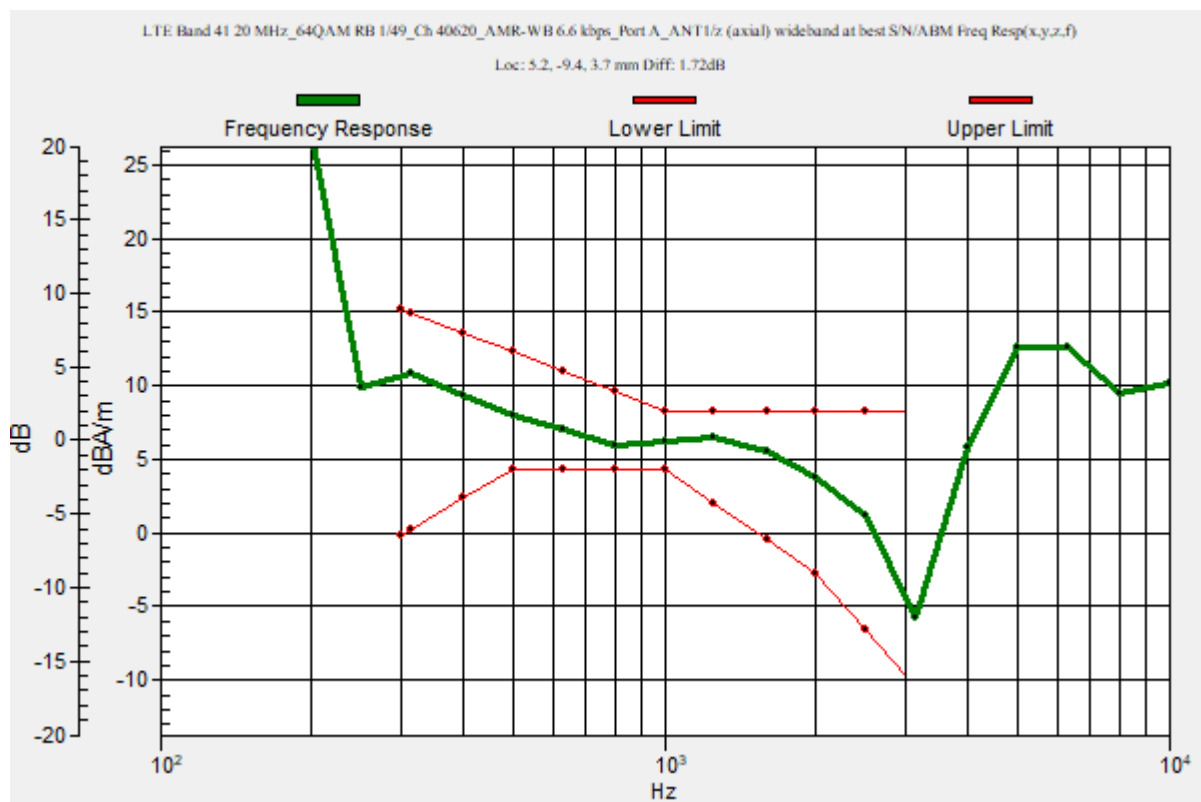
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.72 dB

BWC Factor = 10.80 dB

Location: 5.2, -9.4, 3.7 mm



LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20 MHz_64QAM RB 1/49_Ch 40620_AMR-WB 6.6 kbps_Port A_ANT1/z (axial) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.07

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.80 dB

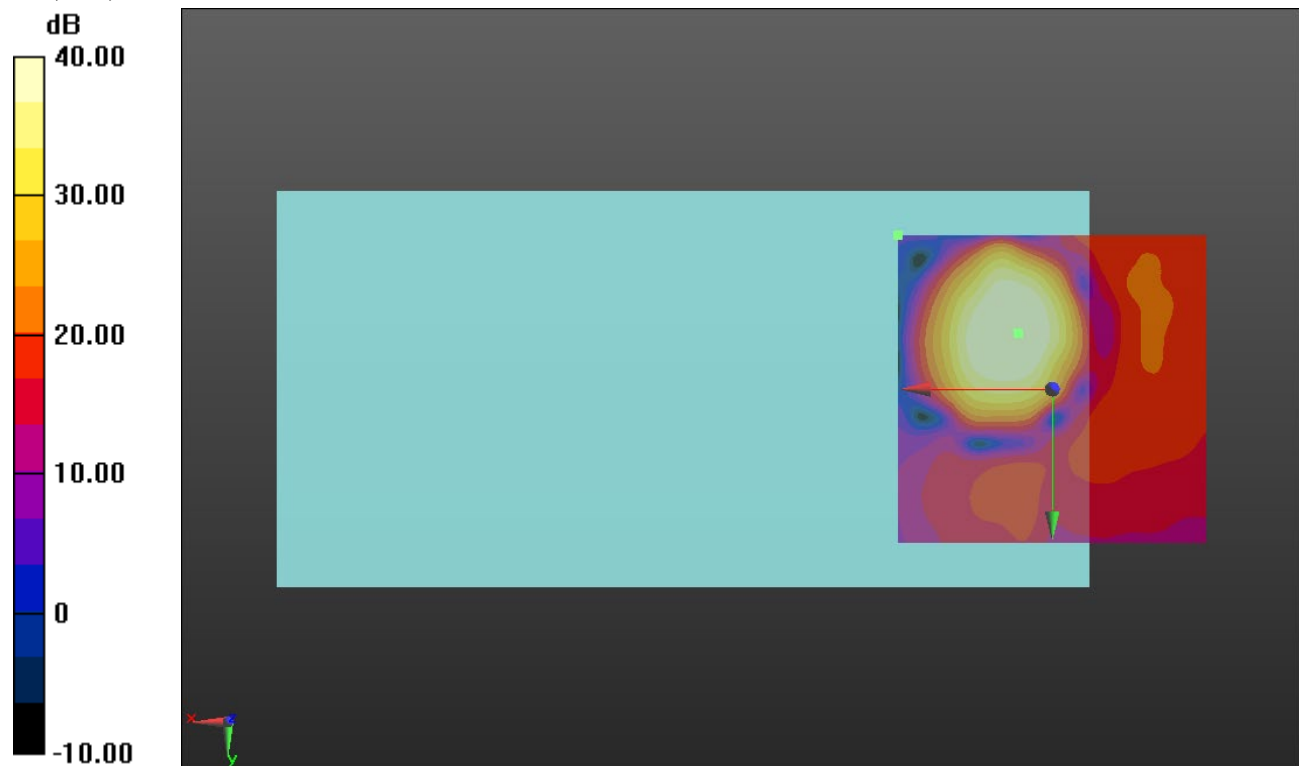
ABM1 comp = 4.33 dBA/m

BWC Factor = 0.16 dB

Location: 5.4, -9.2, 3.7 mm

ABM2 = -28.95 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20 MHz_64QAM RB 1/49_Ch 40620_AMR-WB 6.6 kbps_Port A_ANT1/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.07

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 39.02 dB

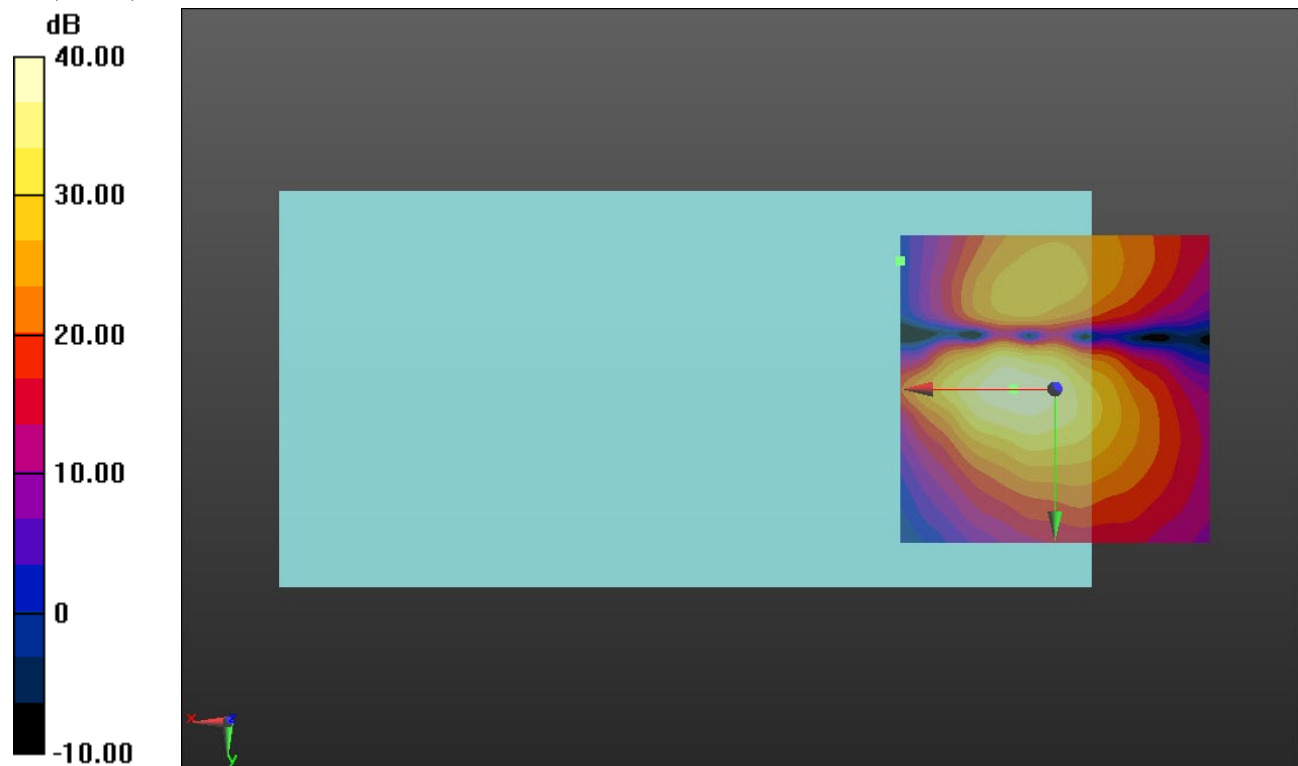
ABM1 comp = -2.89 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 0, 3.7 mm

ABM2 = -19.62 dBA/m

Location: 25, -20.8, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3625 MHz;Duty Cycle: 1:1.59956

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 20 MHz_64QAM RB 1/49_Ch 55990_AMR-WB 6.6 kbps_Port B_ANT4/z (axial) wideband at best S/N/ABM

Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.21

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

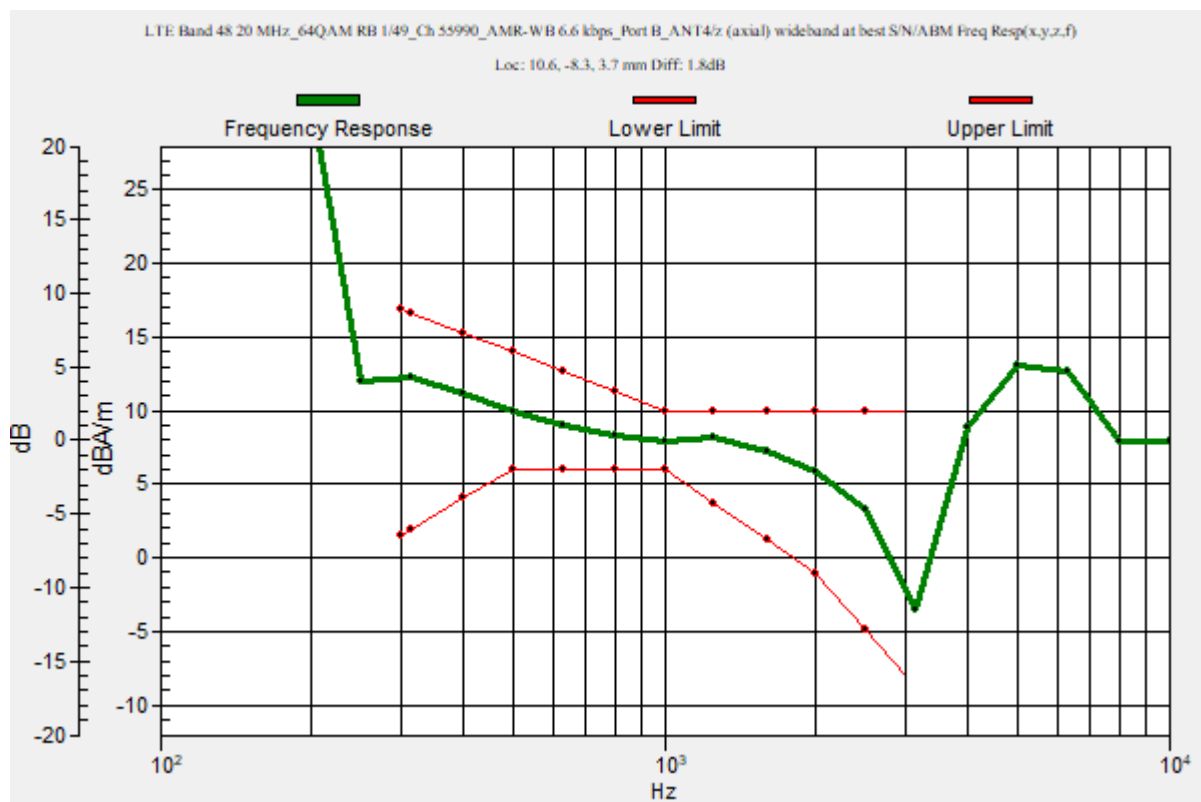
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.80 dB

BWC Factor = 10.80 dB

Location: 10.6, -8.3, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3625 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 20 MHz_64QAM RB 1/49_Ch 55990_AMR-WB 6.6 kbps_Port B_ANT4/z (axial) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.07

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.69 dB

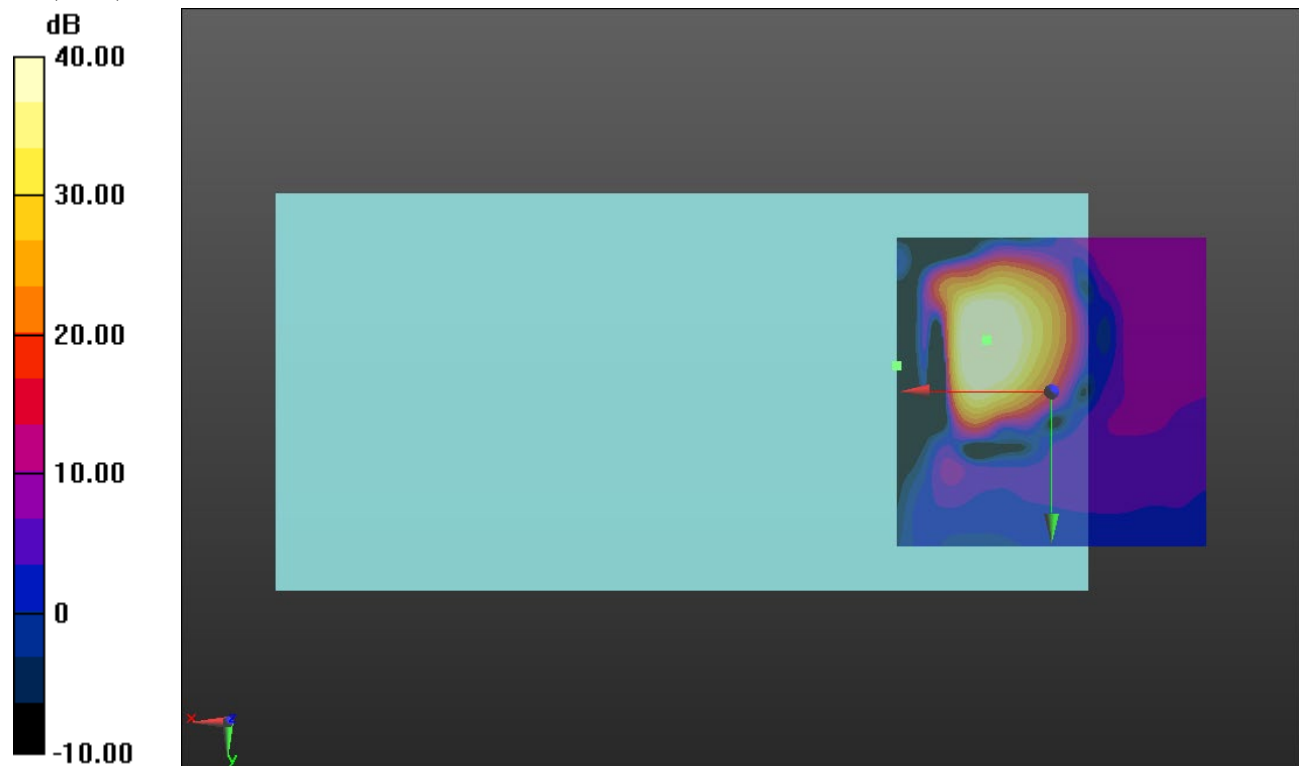
ABM1 comp = 6.35 dBA/m

BWC Factor = 0.16 dB

Location: 10.4, -8.3, 3.7 mm

ABM2 = -12.05 dBA/m

Location: 25, -4.2, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3625 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 20 MHz_64QAM RB 1/49_Ch 55990_AMR-WB 6.6 kbps_Port B_ANT4/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.07

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.21 dB

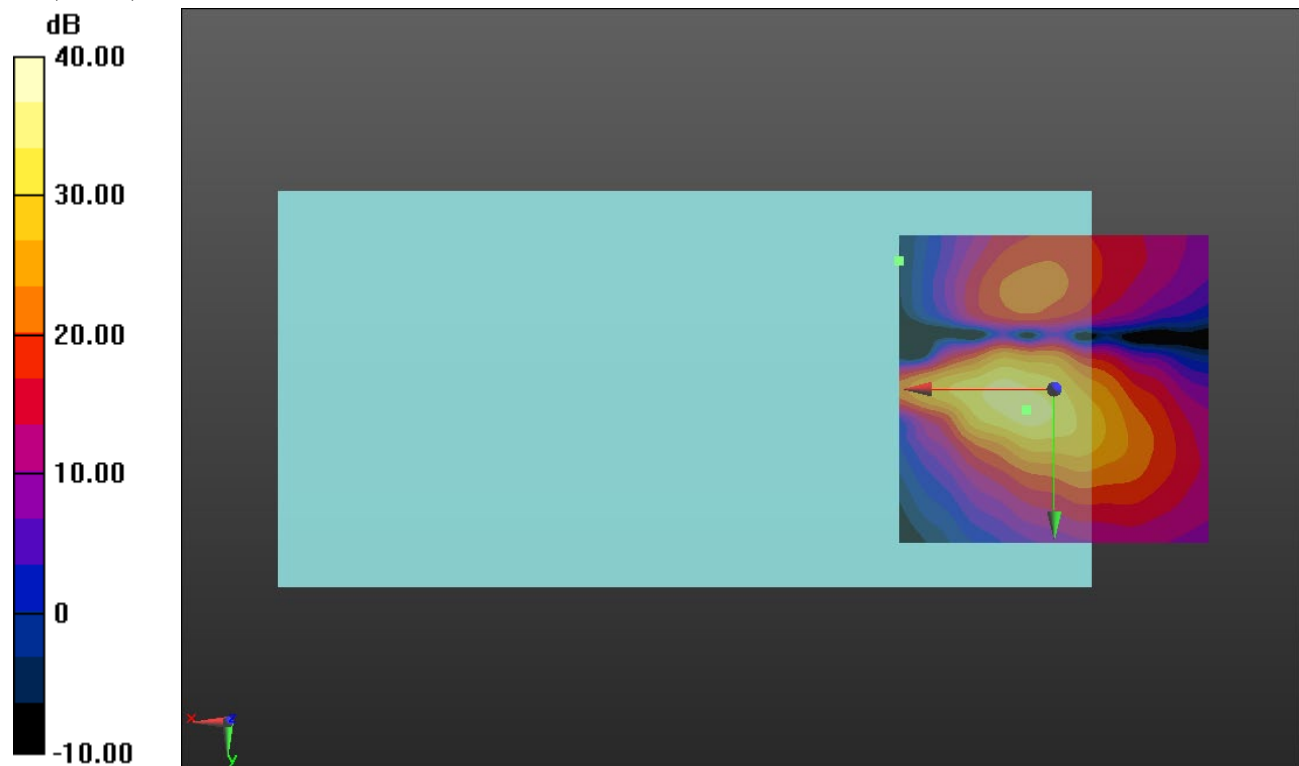
ABM1 comp = -5.35 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, 3.3, 3.7 mm

ABM2 = -11.22 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1745 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66_QPSK_20MHz RB 50/49_Ch 132322_EVS 5.9kbps_Port A_ANT1/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

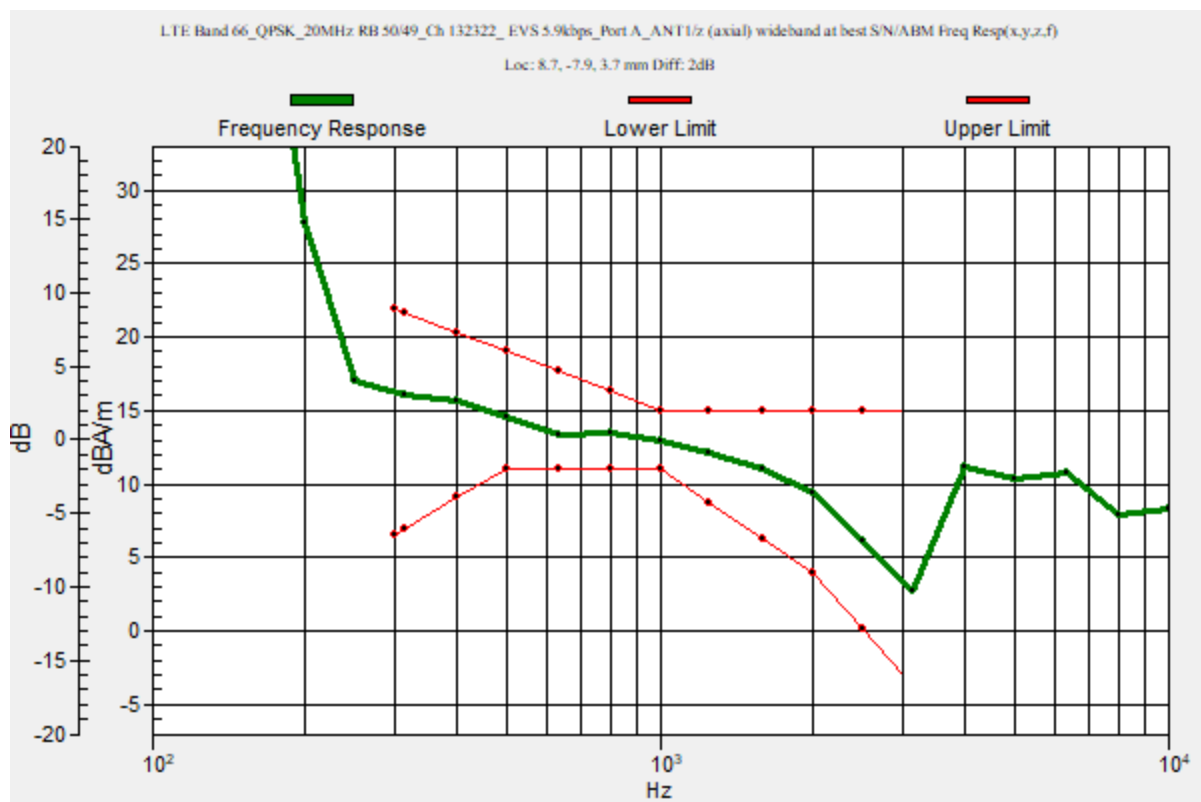
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.7, -7.9, 3.7 mm



LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66_QPSK_20MHz RB 50/49_Ch 132322_EVS 5.9kbps_Port A_ANT1/z (axial) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.04 dB

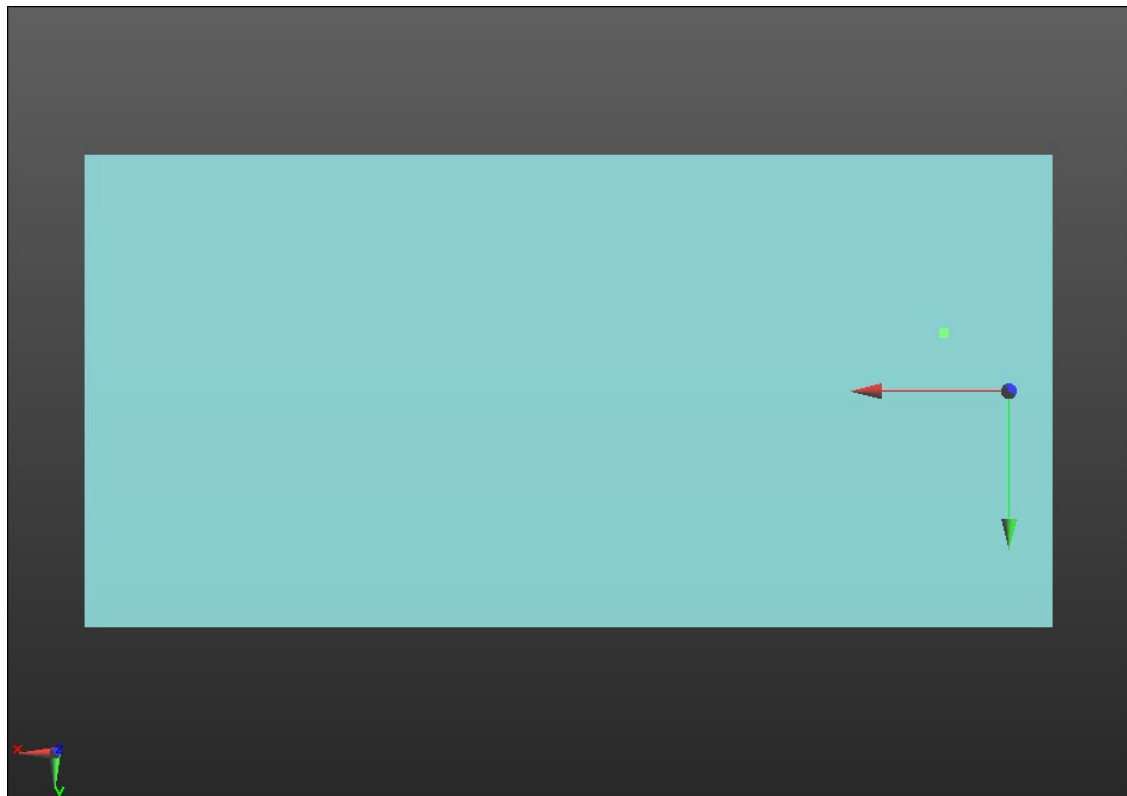
ABM1 comp = 6.10 dBA/m

BWC Factor = 0.16 dB

Location: 8.7, -7.9, 3.7 mm

ABM2 = -36.94 dBA/m

Location: 8.7, -7.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/16/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/21/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66_QPSK_20MHz RB 50/49_Ch 132322_EVS 5.9kbps_Port A_ANT1/y (transversal) Single Point/ABM

SNR(x,y,z) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.32 dB

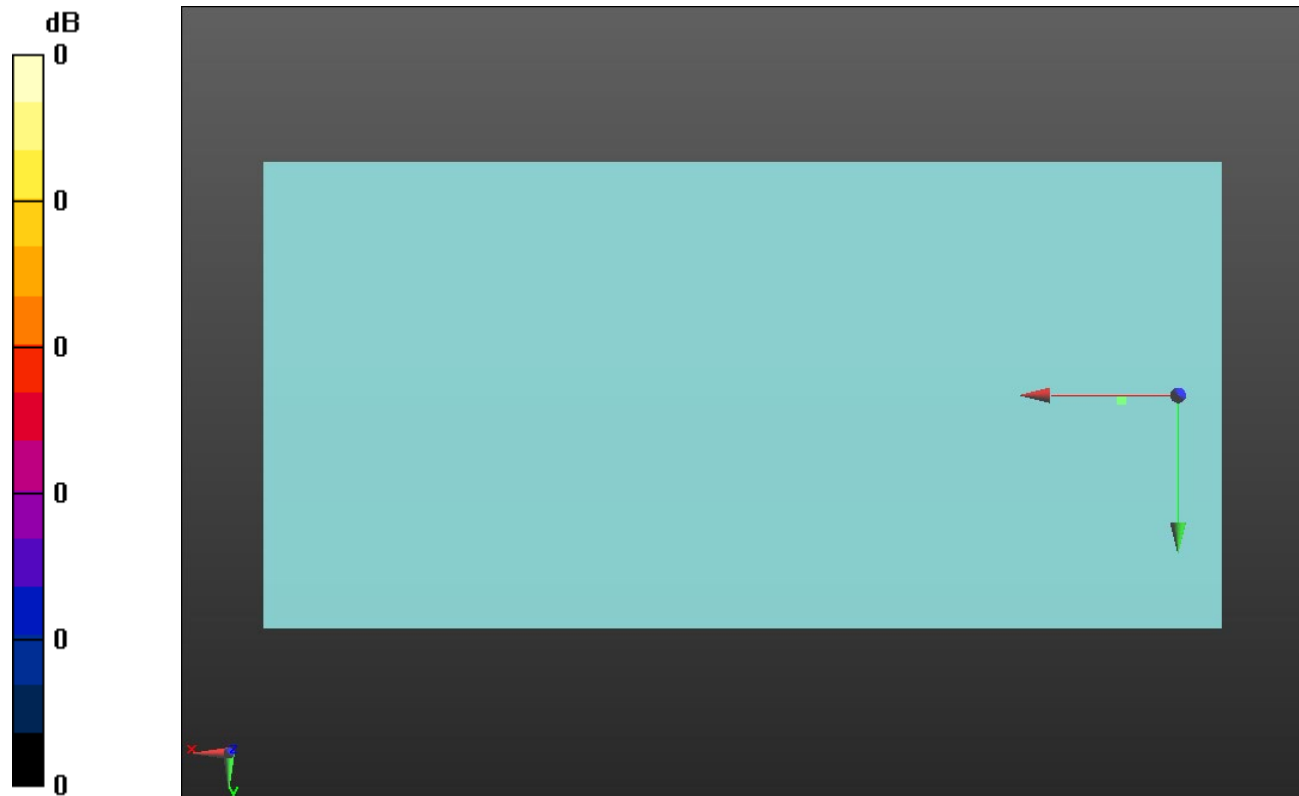
ABM1 comp = 1.49 dBA/m

BWC Factor = 0.16 dB

Location: 7.7, 0.7, 3.7 mm

ABM2 = -44.83 dBA/m

Location: 7.7, 0.7, 3.7 mm



802.11b

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b_DSSS 1 Mbps_Ch 6_EVS 9.6 kbps_Core 0_ANT4/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 29.79

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

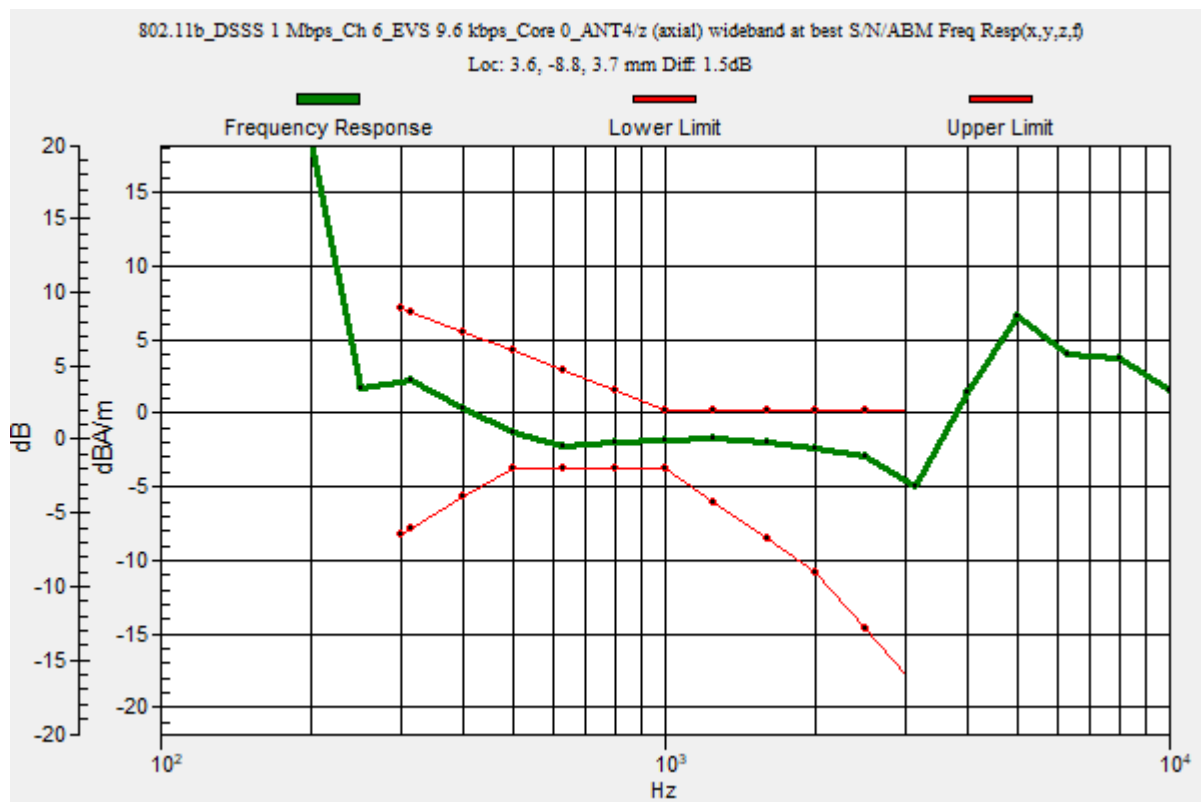
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.50 dB

BWC Factor = 10.80 dB

Location: 3.6, -8.8, 3.7 mm



802.11b

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b_DSSS 1 Mbps_Ch 6_EVS
9.6 kbps_Core 0_ANT4/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):** Measurement grid:

dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 39.16 dB

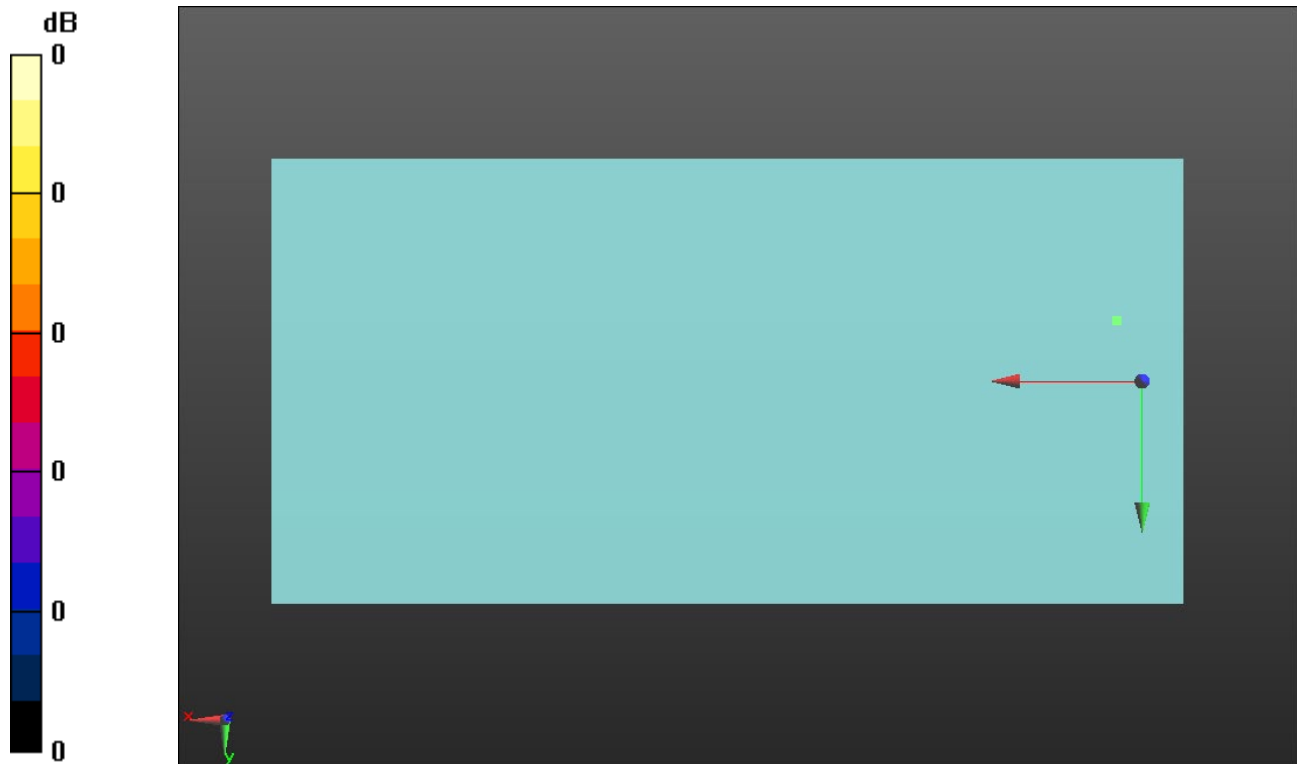
ABM1 comp = -1.54 dBA/m

BWC Factor = 0.16 dB

Location: 3.6, -8.8, 3.7 mm

ABM2 = -40.70 dBA/m

Location: 3.6, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11b

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b_DSSS 1 Mbps_Ch 6_EVS 9.6 kbps_Core 0_ANT4/y (transversal) Single Point/ABM SNR(x,y,z) (1x1x1): Measurement

grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 40.10 dB

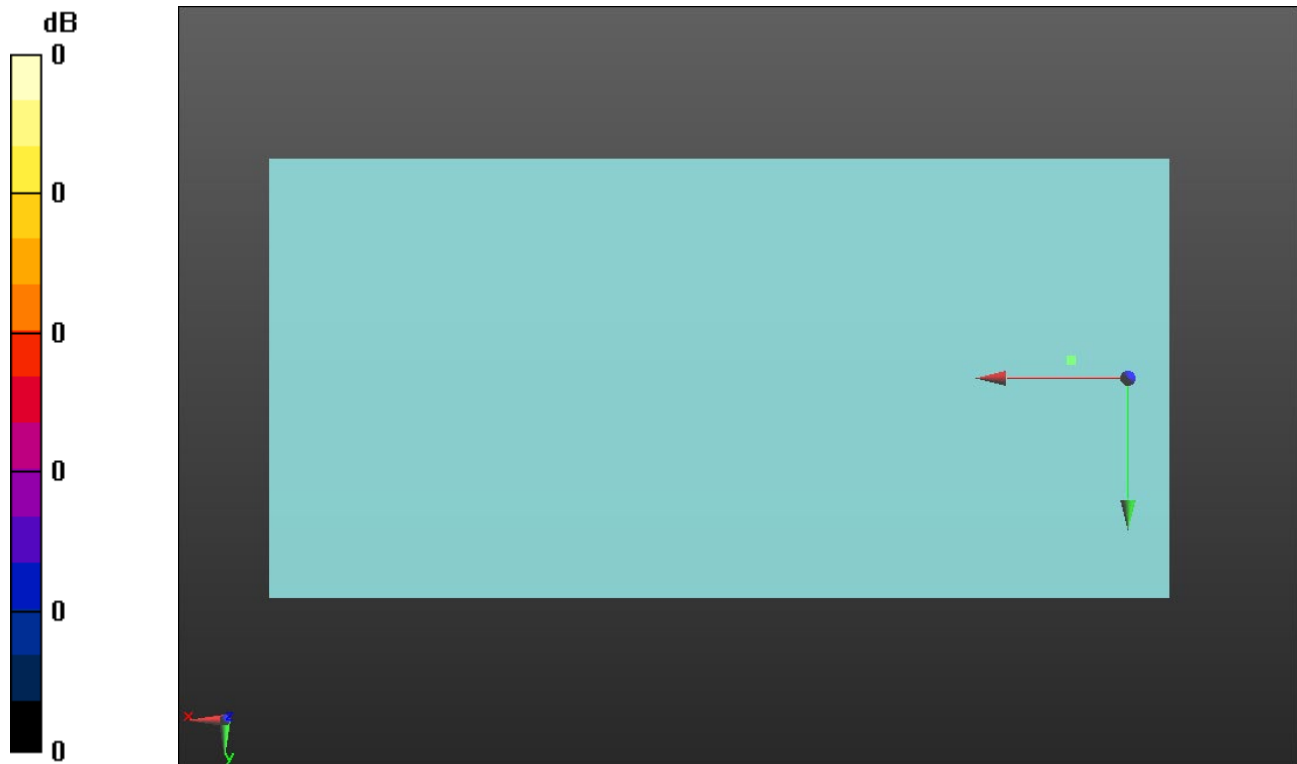
ABM1 comp = -5.46 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -2.6, 3.7 mm

ABM2 = -45.57 dBA/m

Location: 8.3, -2.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5190 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 38_EVS 5.9 kbps_Core 1_ANT5/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 29.79

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

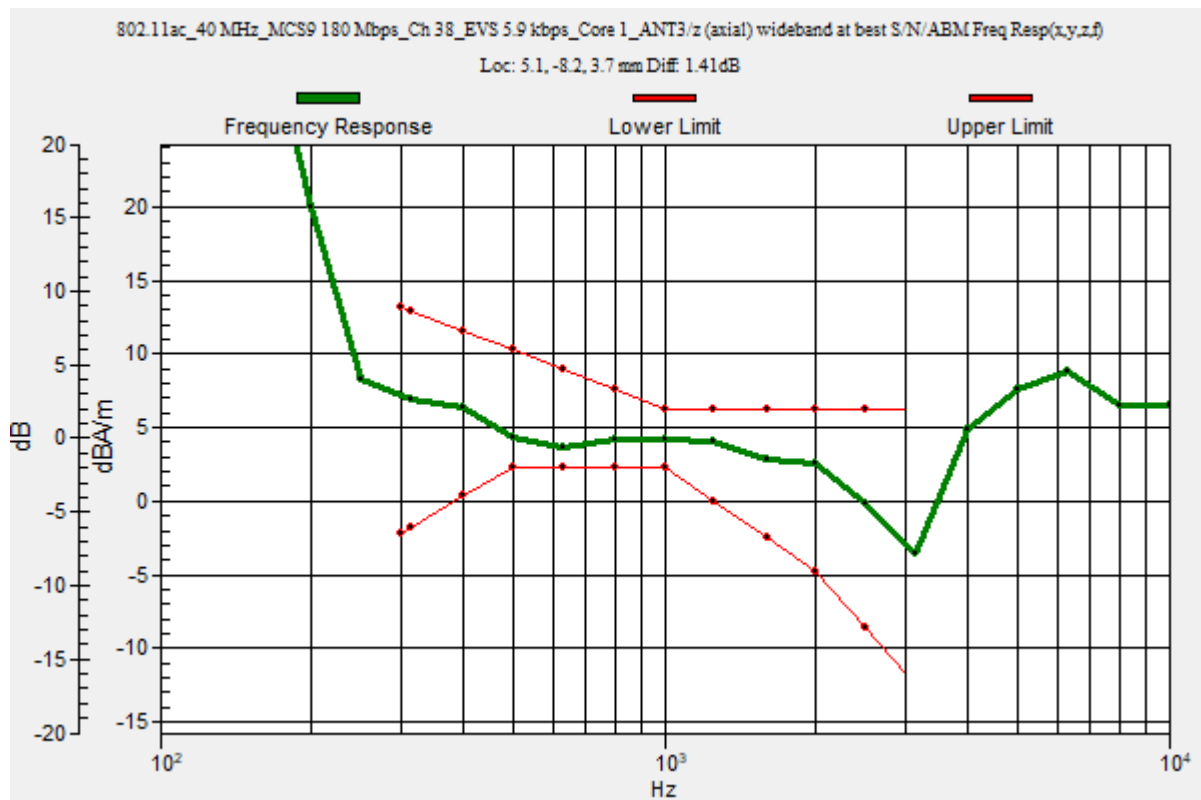
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.41 dB

BWC Factor = 10.80 dB

Location: 5.1, -8.2, 3.7 mm



802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5190 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 38_EVS 5.9 kbps_Core 1_ANT5/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 40.90 dB

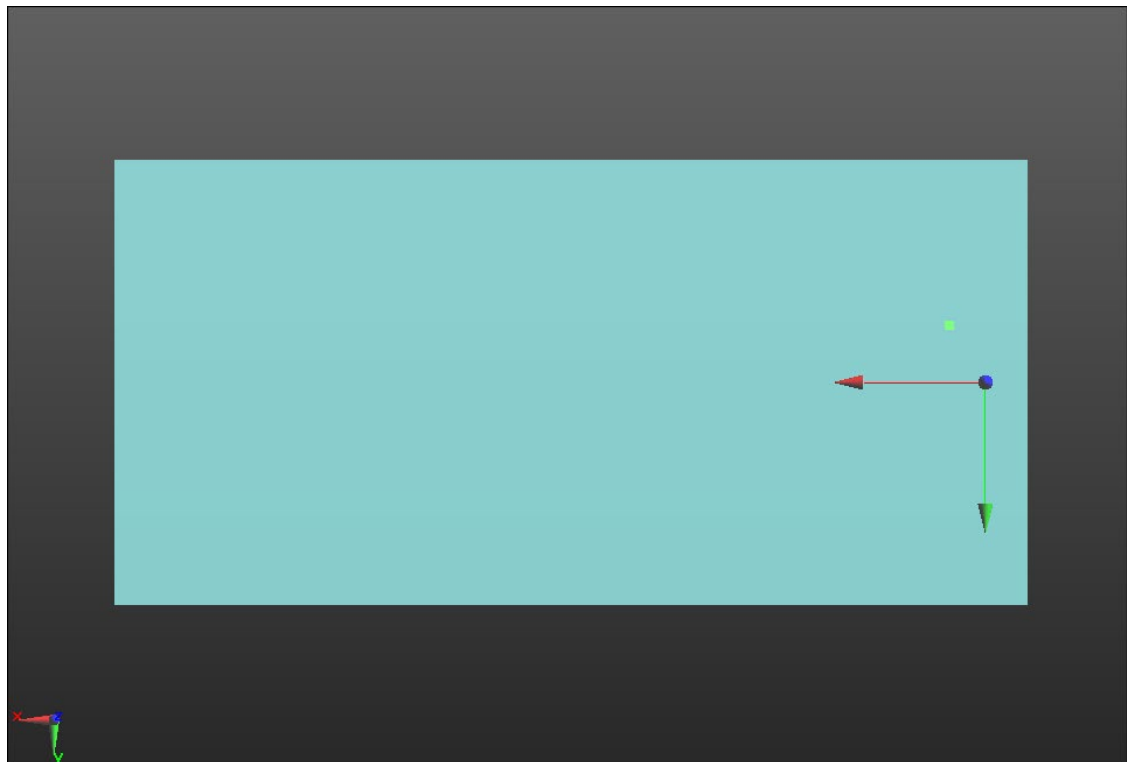
ABM1 comp = 1.35 dBA/m

BWC Factor = 0.16 dB

Location: 5.1, -8.2, 3.7 mm

ABM2 = -39.55 dBA/m

Location: 5.1, -8.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5190 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 38_EVS 5.9 kbps_Core 1_ANT5/y (transversal) Single Point/ABM SNR(x,y,z)

(1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 39.86 dB

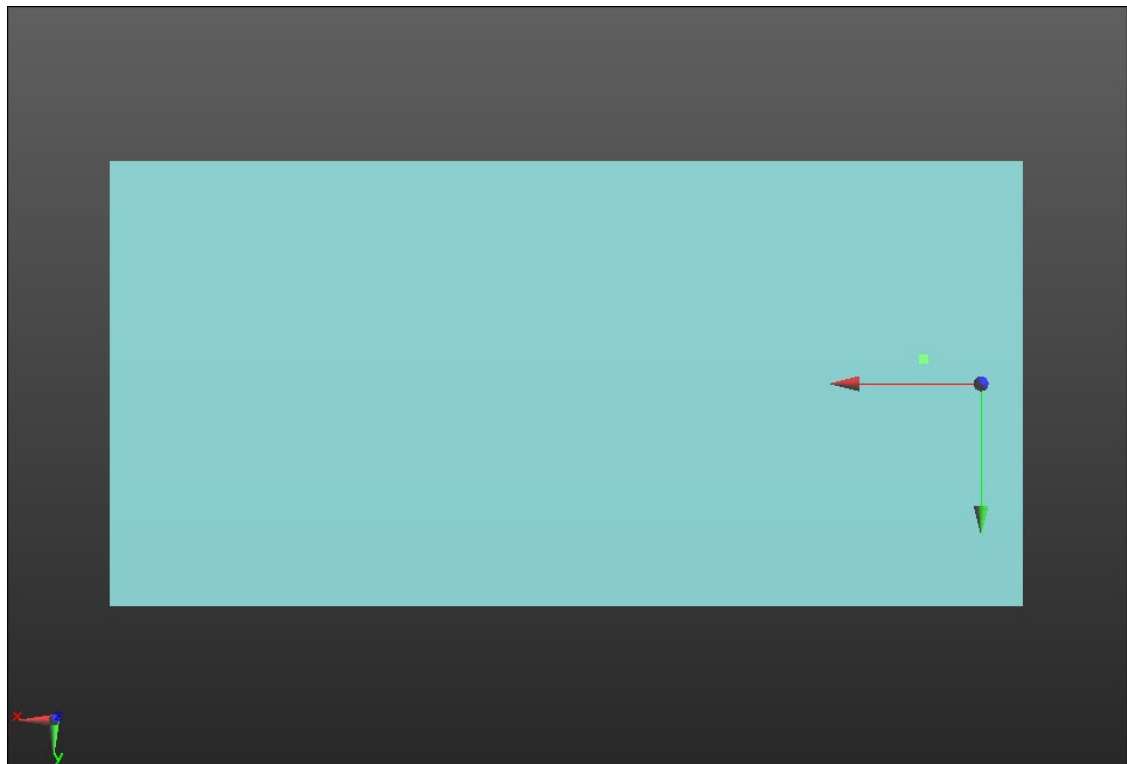
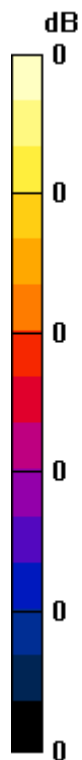
ABM1 comp = -6.76 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -3.6, 3.7 mm

ABM2 = -46.62 dBA/m

Location: 8.3, -3.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5270 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 54_EVS 5.9 kbps_Core 1_ANT5/z (axial) wideband at best S/N/ABM Freq

Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 29.79

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

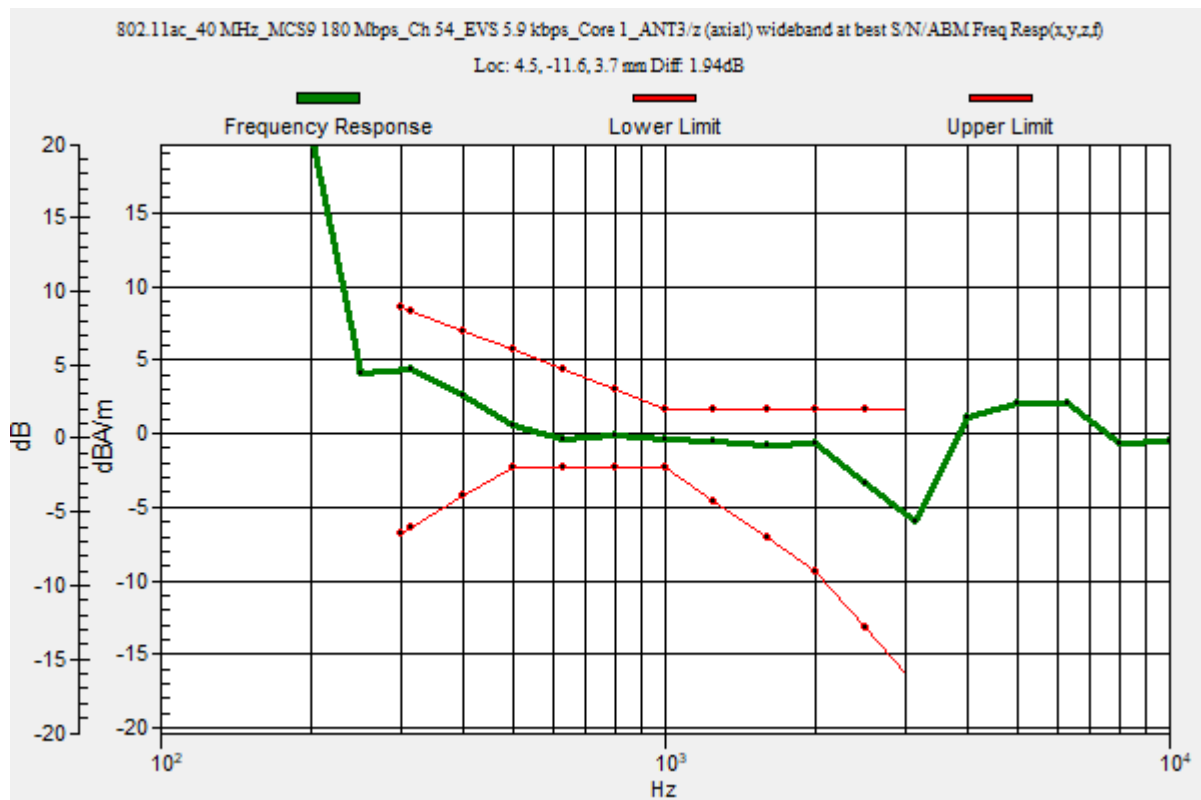
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.94 dB

BWC Factor = 10.80 dB

Location: 4.5, -11.6, 3.7 mm



802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 54_EVS 5.9 kbps_Core 1_ANT5/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.05 dB

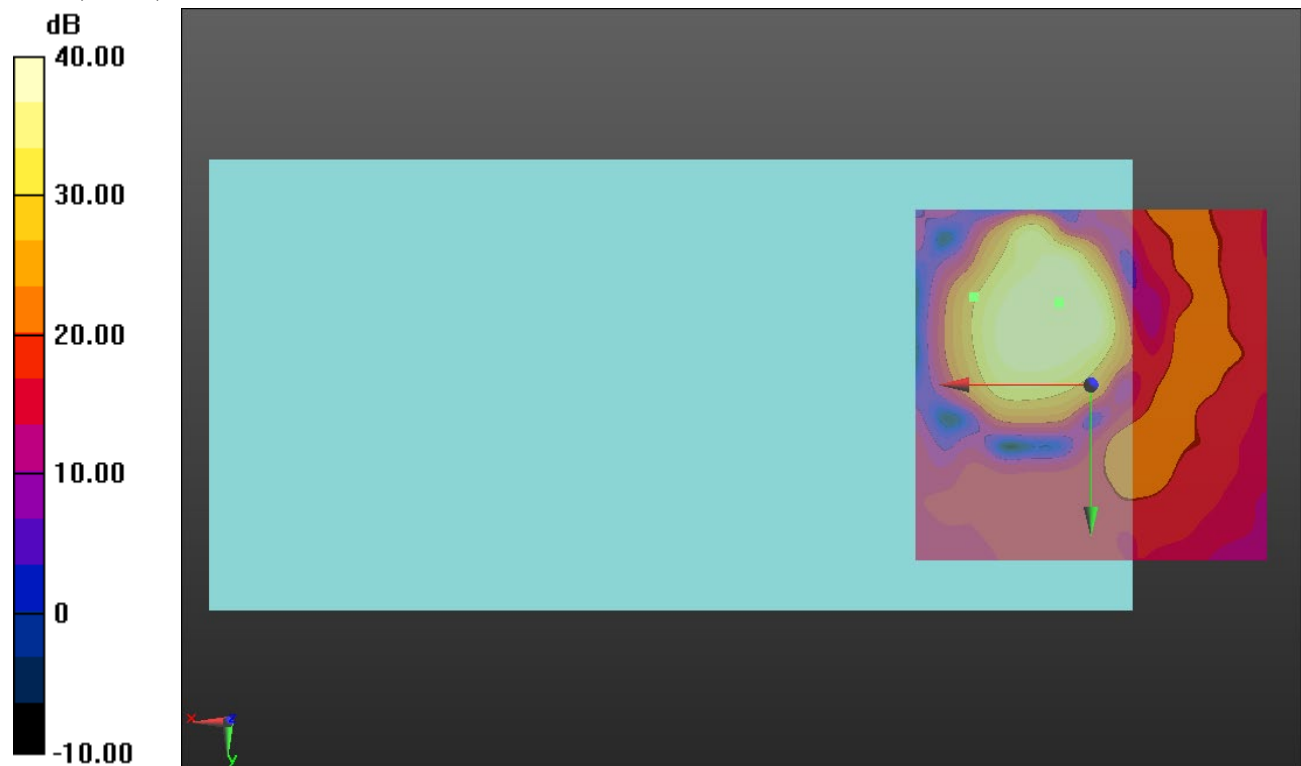
ABM1 comp = -1.14 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -11.7, 3.7 mm

ABM2 = -35.92 dBA/m

Location: 16.7, -12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 54_EVS 5.9 kbps_Core 1_ANT5/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.90 dB

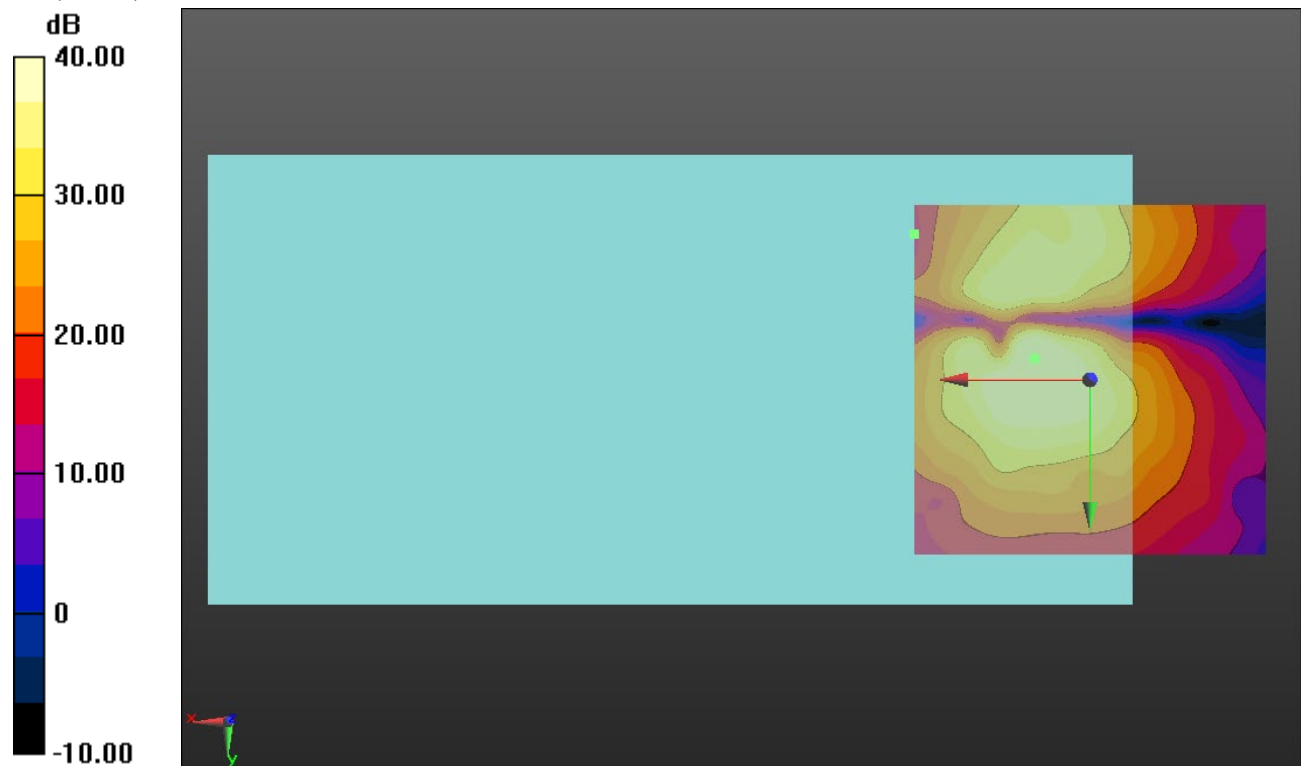
ABM1 comp = -5.14 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -2.9, 3.7 mm

ABM2 = -37.50 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5510 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 102_EVS 5.9 kbps_Core 1_ANT5/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 29.79

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

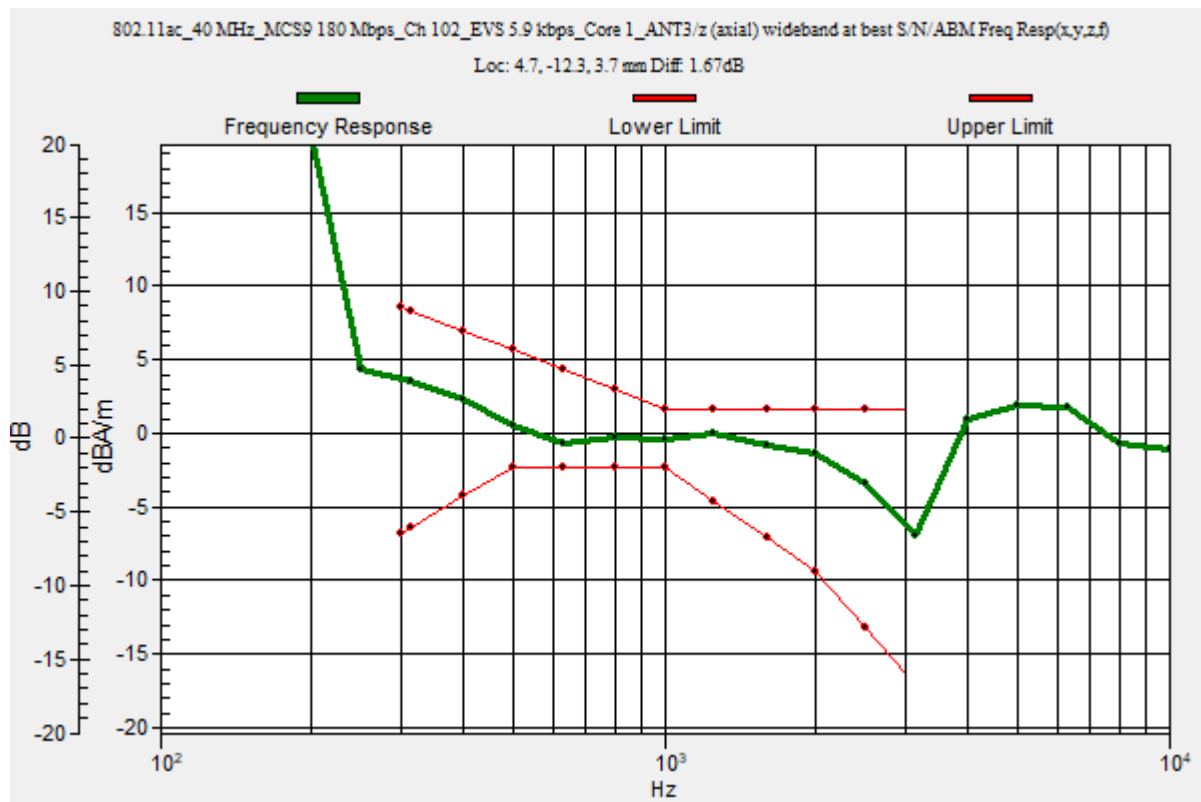
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.67 dB

BWC Factor = 10.80 dB

Location: 4.7, -12.3, 3.7 mm



802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5510 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 102_EVS 5.9 kbps_Core 1_ANT5/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.52 dB

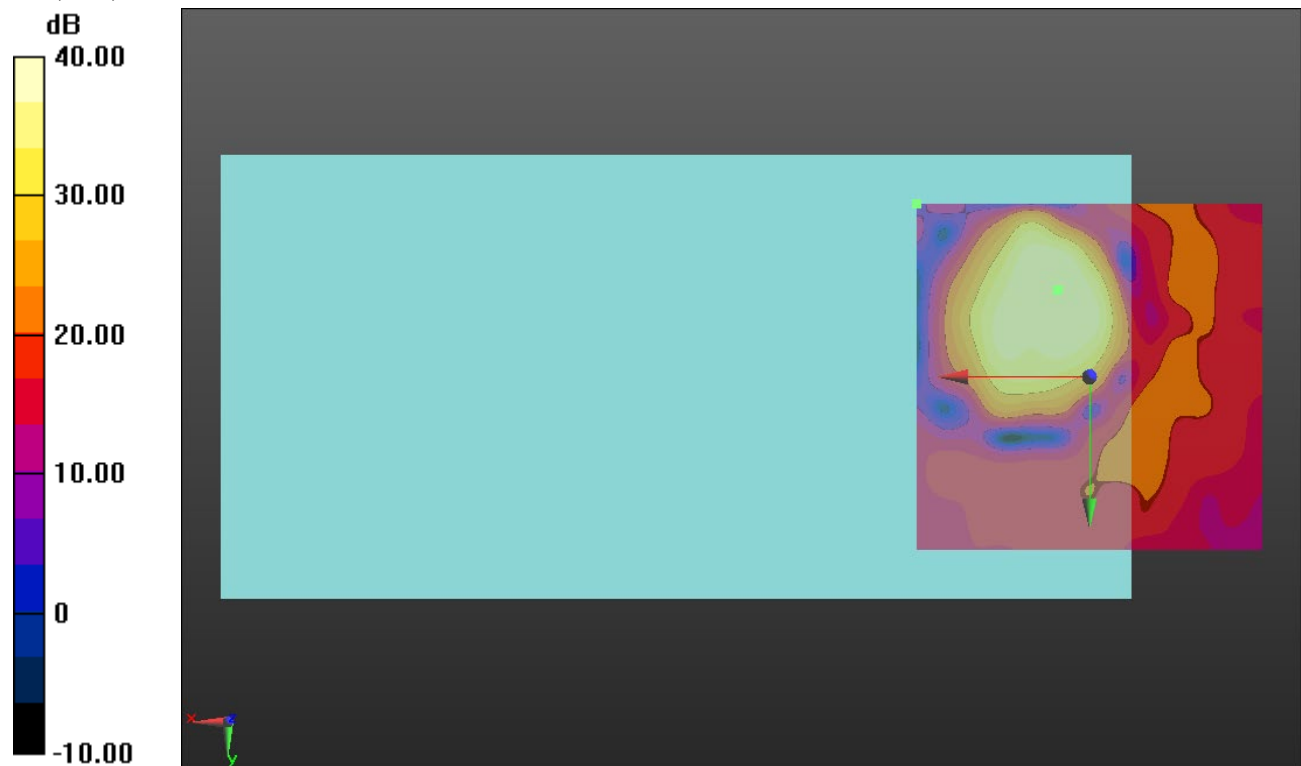
ABM1 comp = -1.99 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -12.5, 3.7 mm

ABM2 = -36.17 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5510 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 102_EVS 5.9 kbps_Core 1_ANT5/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.75 dB

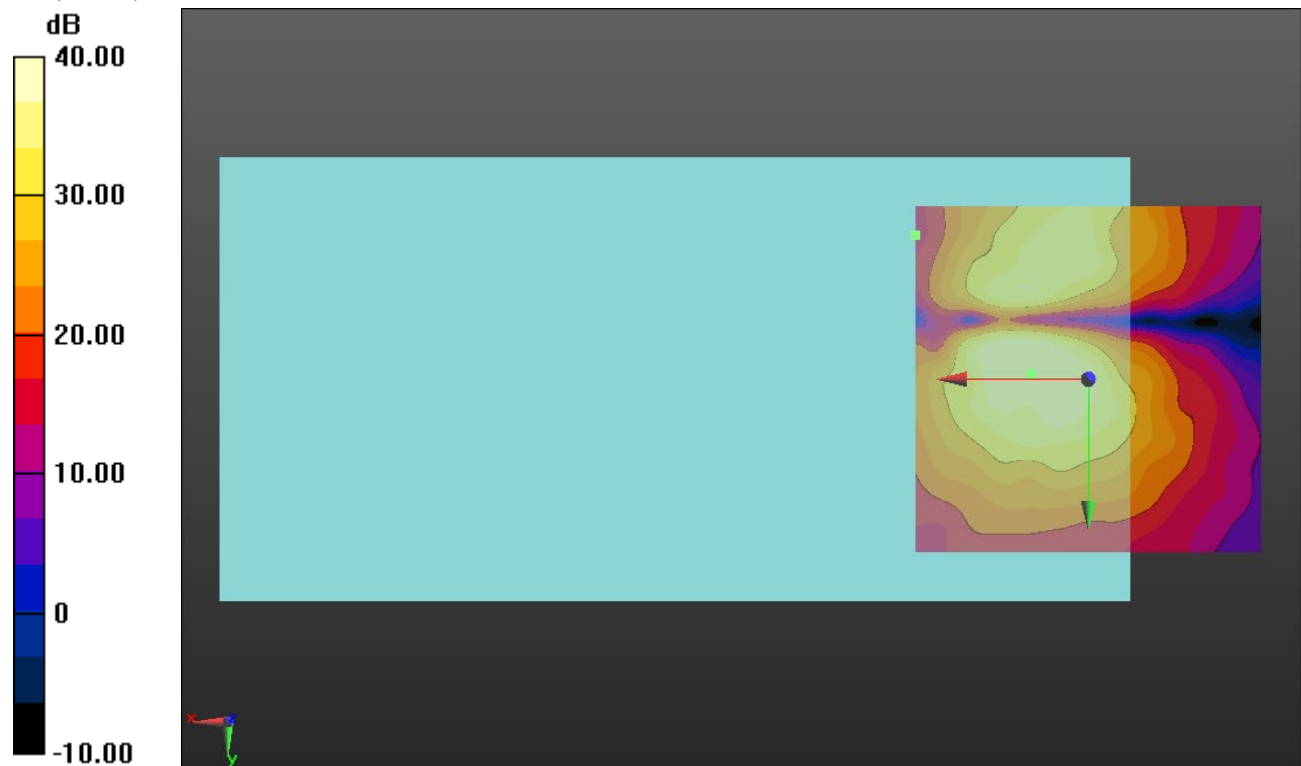
ABM1 comp = -4.76 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -0.8, 3.7 mm

ABM2 = -36.65 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5755 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 151_EVS 5.9 kbps_Core 1_ANT5/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 29.79

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

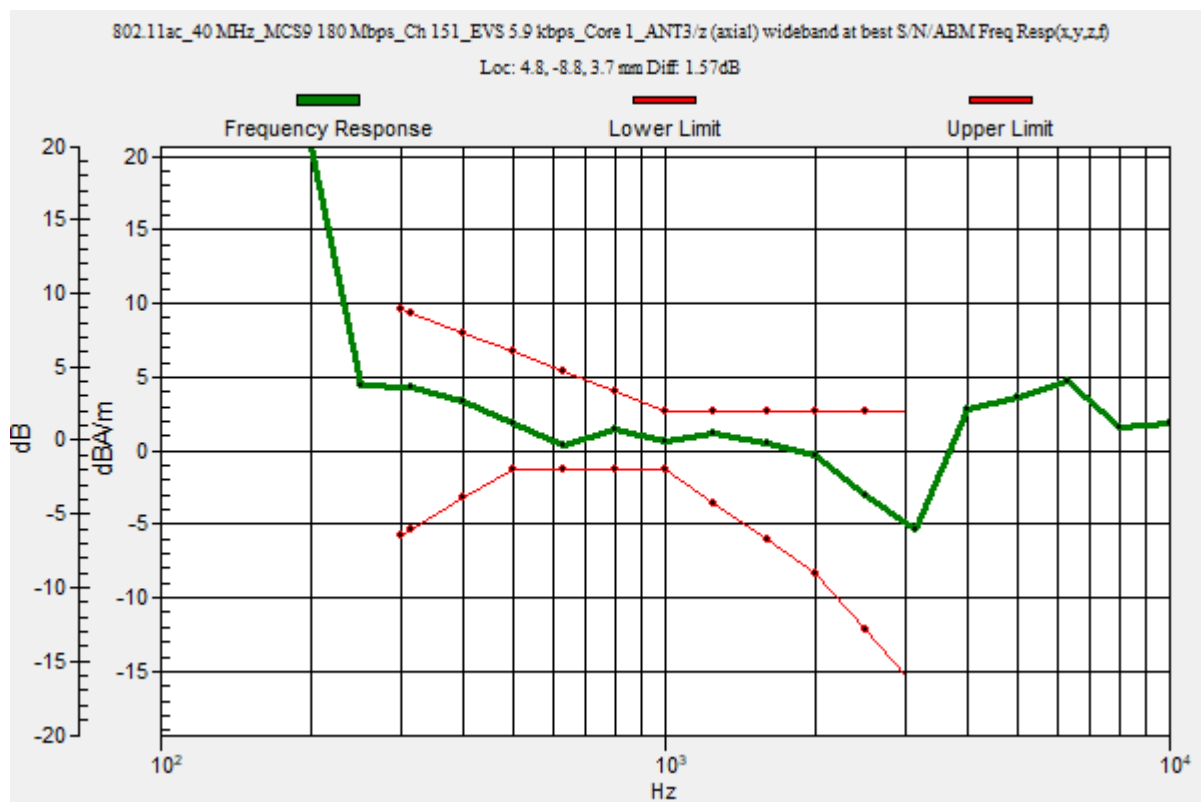
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.57 dB

BWC Factor = 10.80 dB

Location: 4.8, -8.8, 3.7 mm



802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5755 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 151_EVS 5.9 kbps_Core 1_ANT5/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.60 dB

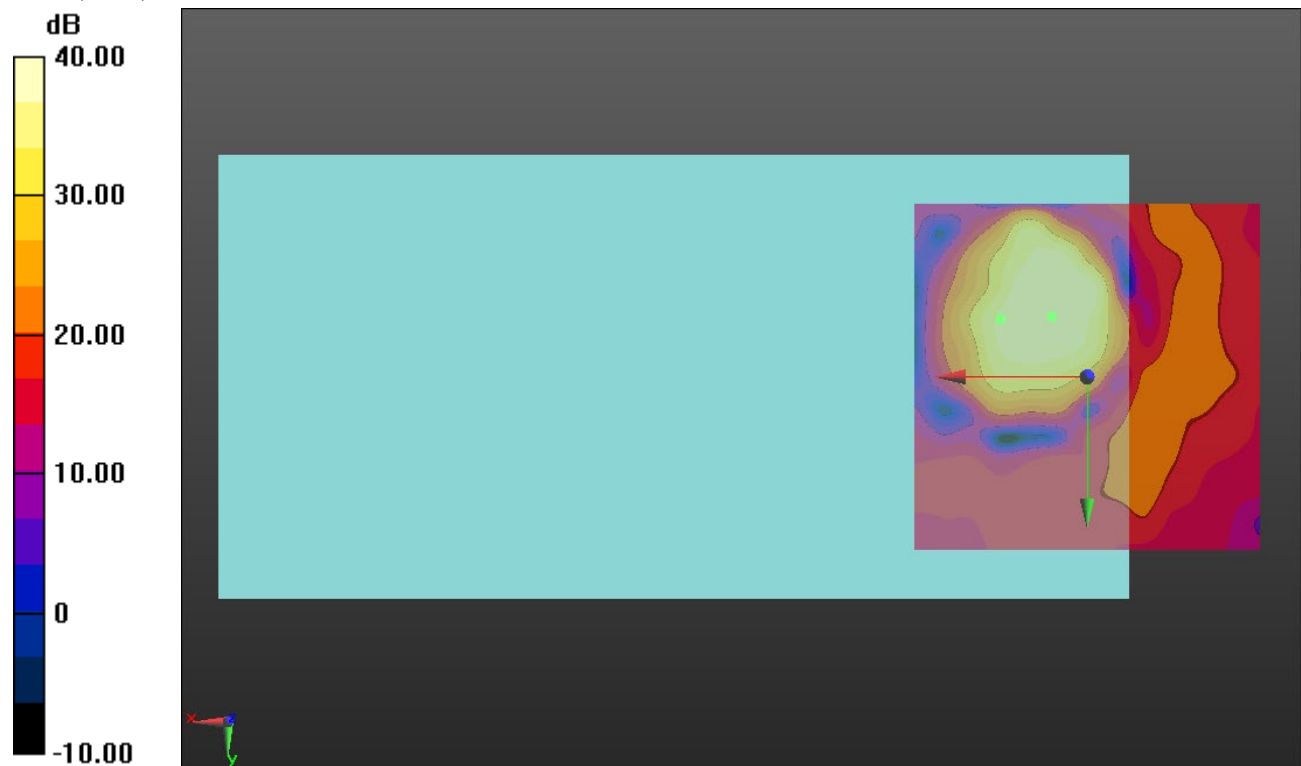
ABM1 comp = 0.73 dBA/m

BWC Factor = 0.16 dB

Location: 5, -8.8, 3.7 mm

ABM2 = -35.92 dBA/m

Location: 12.5, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11ac

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5755 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/20/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/20/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac_40 MHz_MCS9 180 Mbps_Ch 151_EVS 5.9 kbps_Core 1_ANT5/y (transversal) 4.2mm 50 x 50/ABM

Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 15.19

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.16 dB

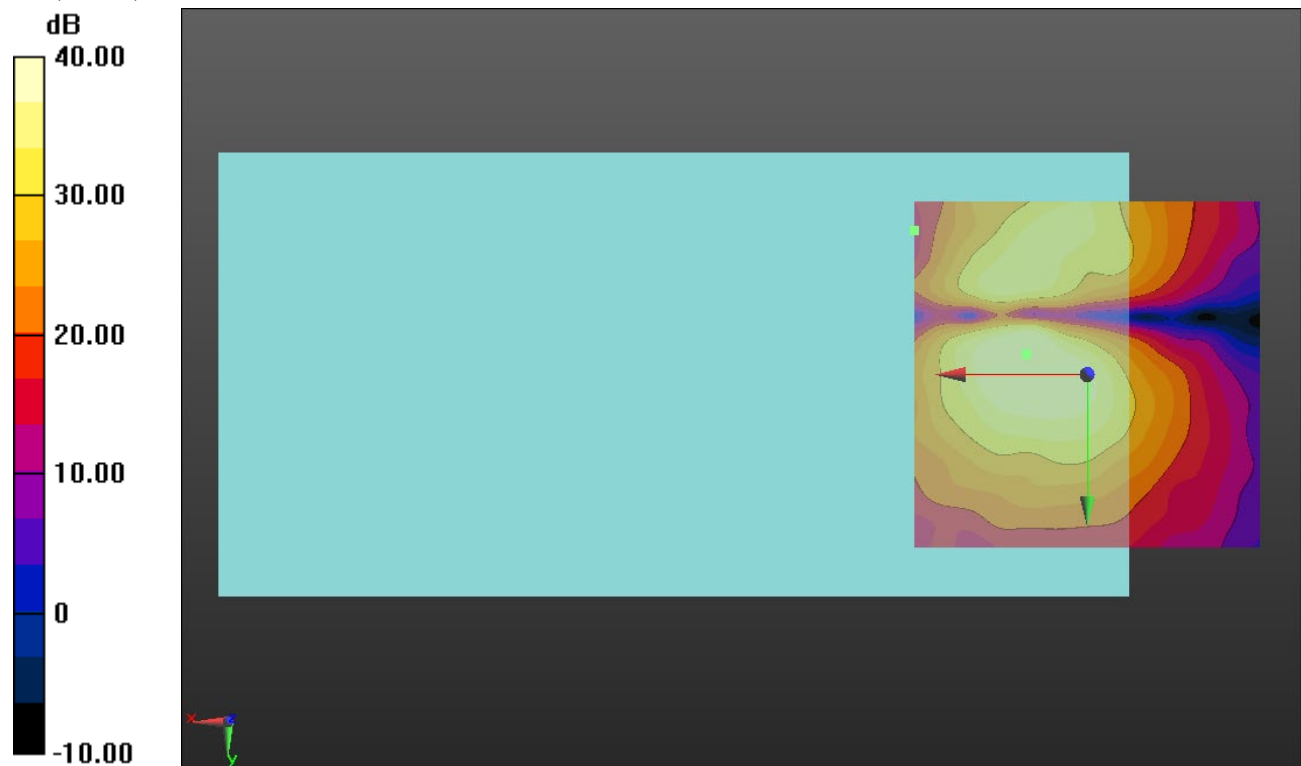
ABM1 comp = -5.11 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -2.9, 3.7 mm

ABM2 = -36.40 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB