

GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850_Voice 1 Slot_Ch 190_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: 47.21

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

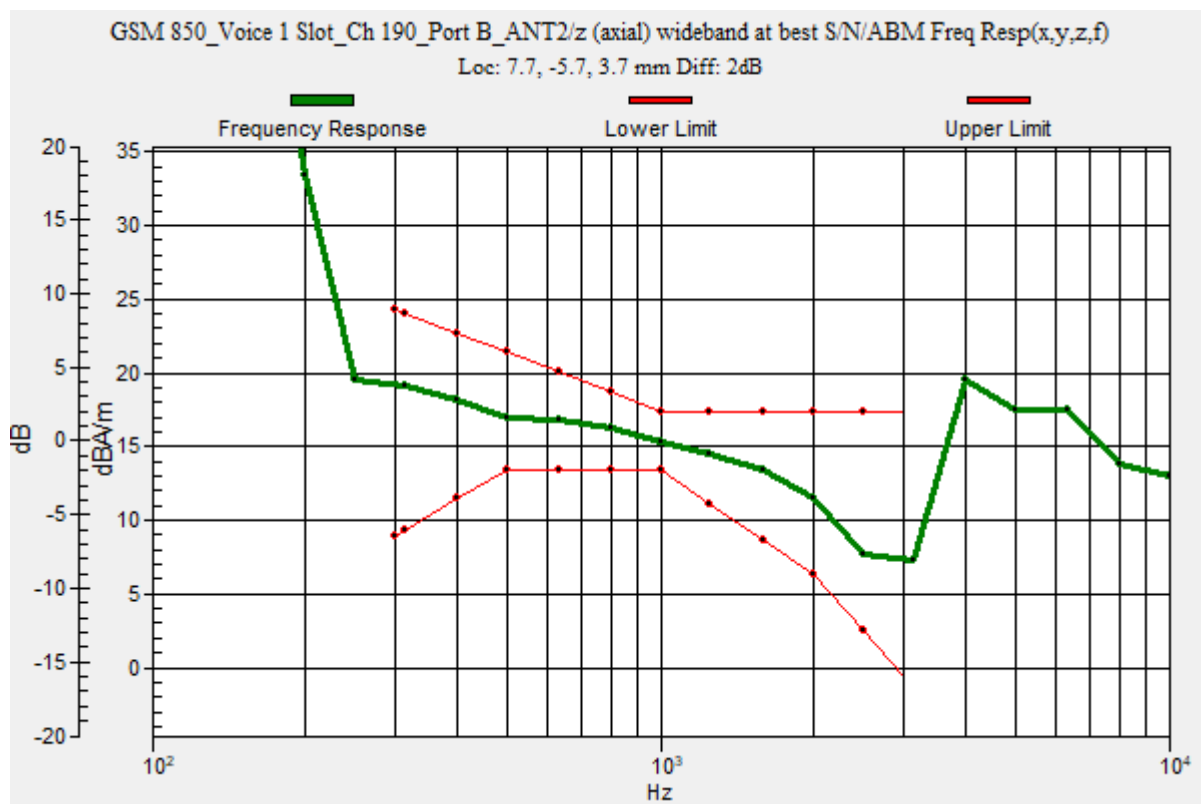
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 7.7, -5.7, 3.7 mm



GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.00018

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)/GSM 850_Voice 1 Slot_Ch 190_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: 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 = 41.26 dB

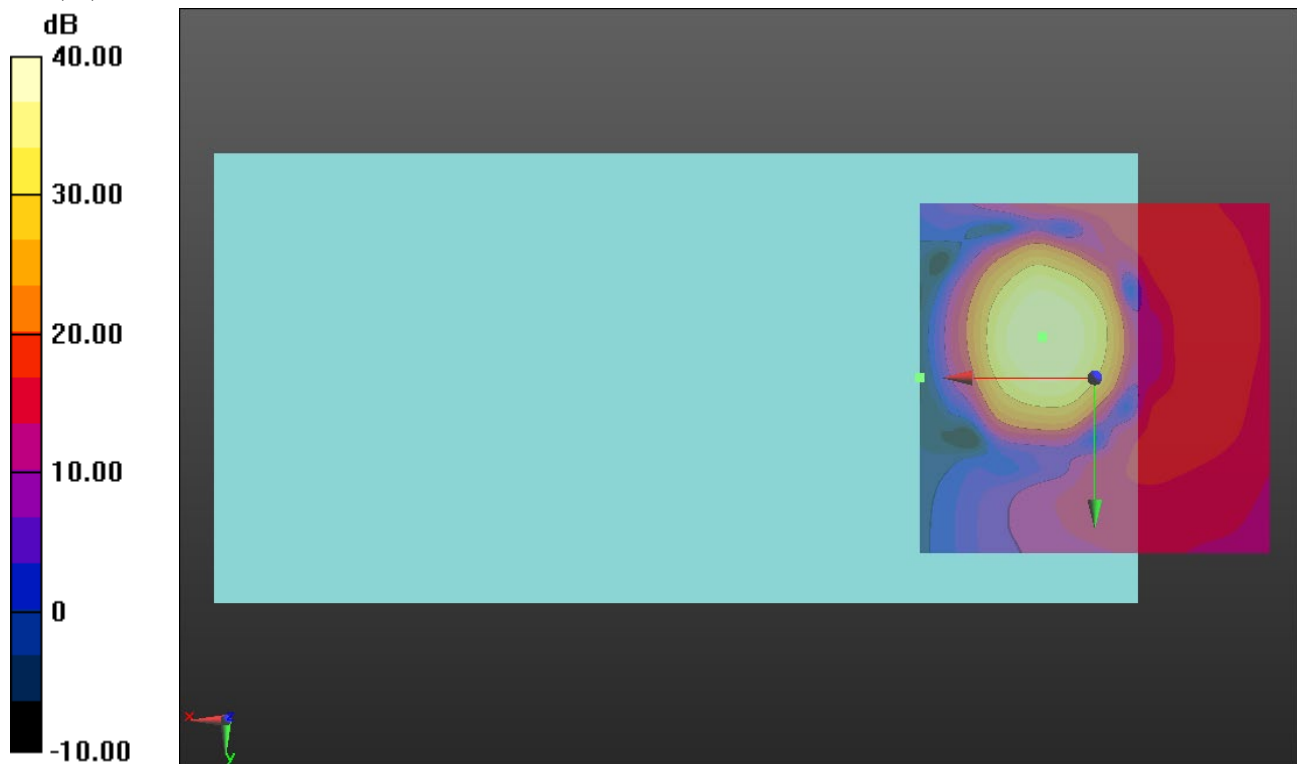
ABM1 comp = 13.81 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -5.8, 3.7 mm

ABM2 = -15.55 dBA/m

Location: 25, 0, 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: 836.6 MHz; Duty Cycle: 1:8.00018

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)/GSM 850_Voice 1 Slot_Ch 190_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: 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 = 33.01 dB

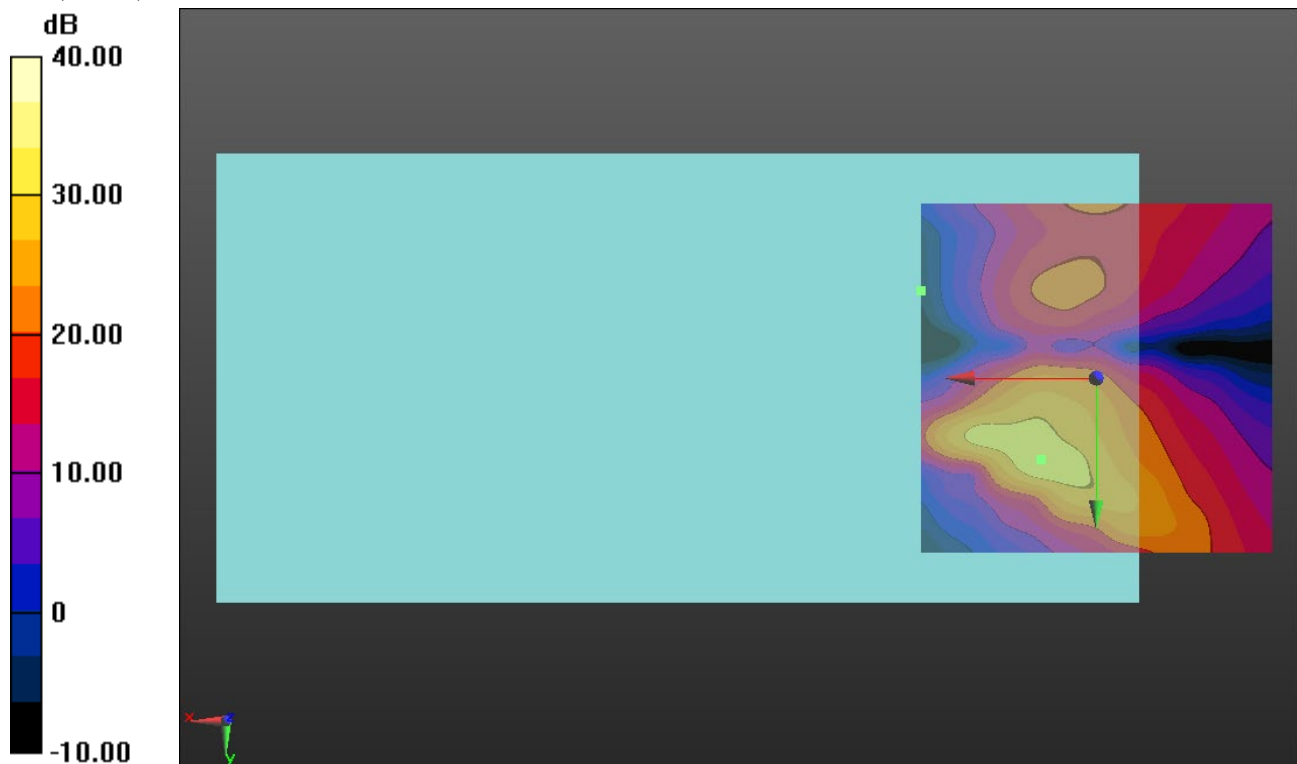
ABM1 comp = -2.21 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 11.7, 3.7 mm

ABM2 = -6.50 dBA/m

Location: 25, -12.5, 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_Voice 1 Slot_Ch 661_Port D_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

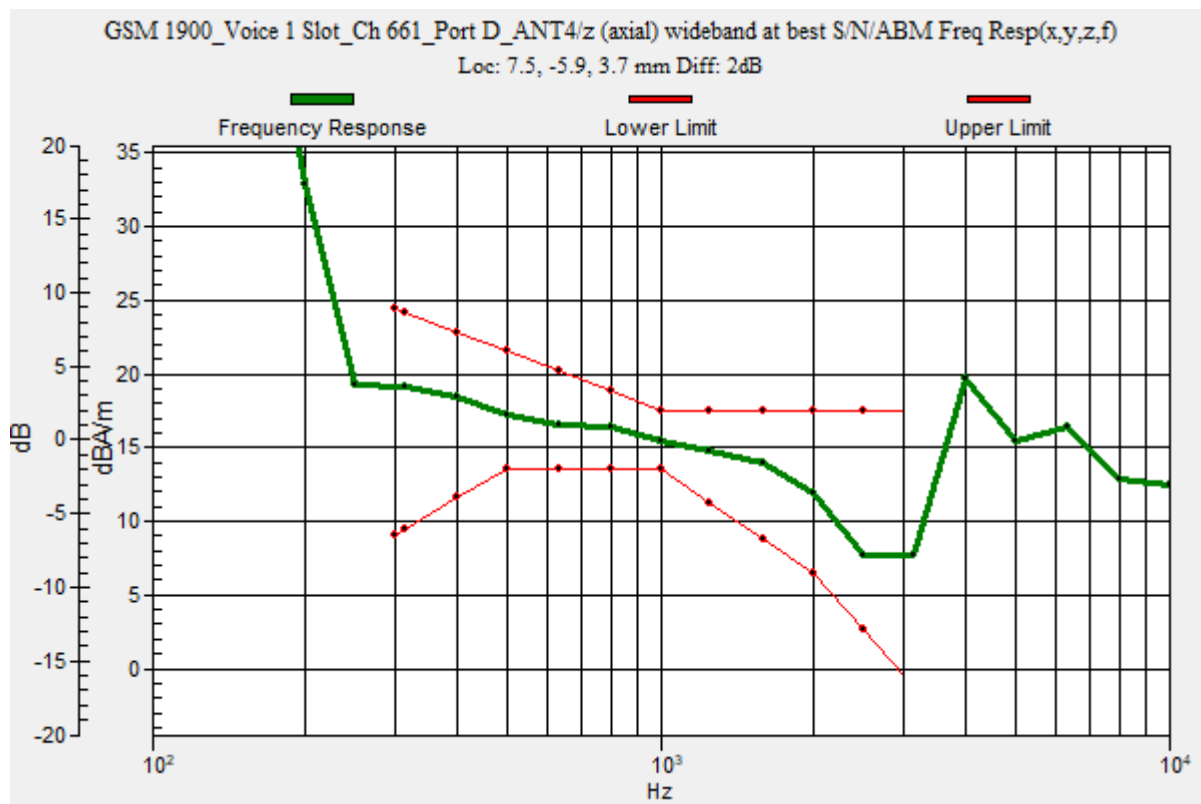
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 7.5, -5.9, 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 - 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)/GSM 1900_Voice 1 Slot_Ch 661_Port D_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 = 44.57 dB

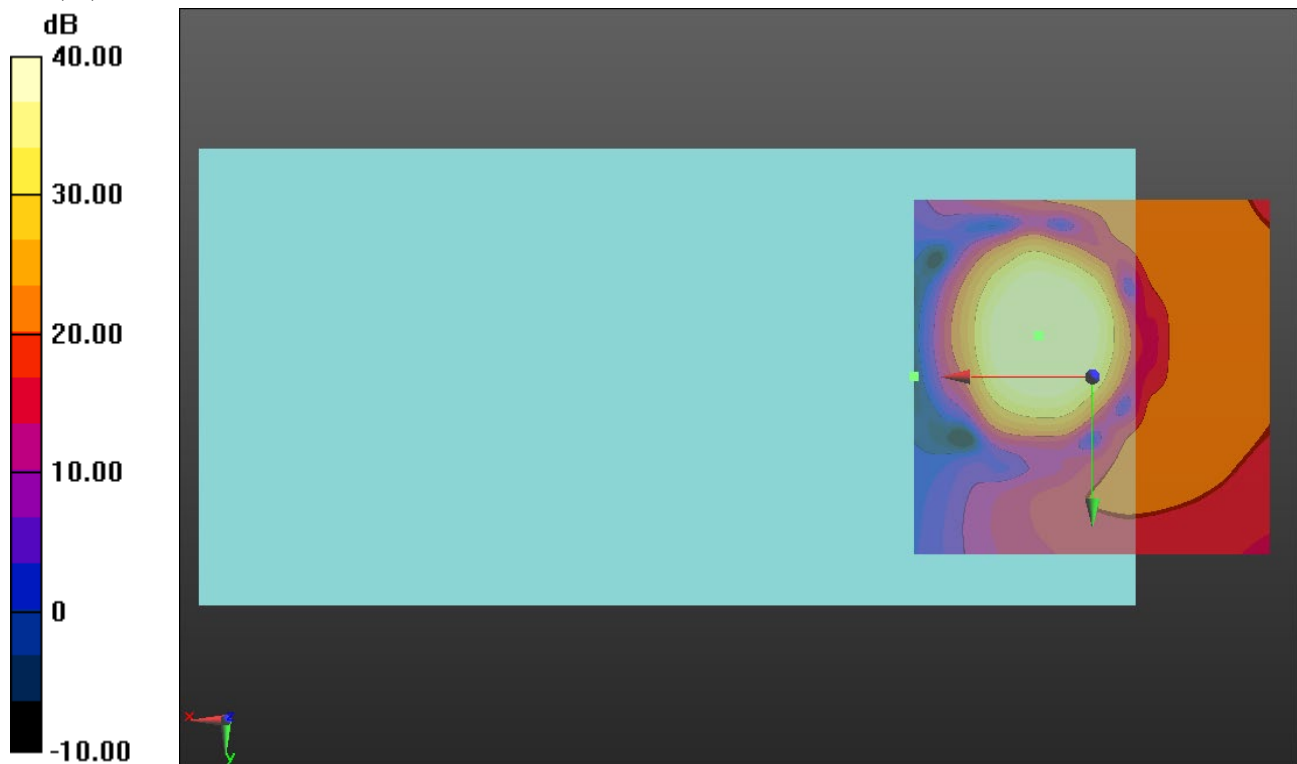
ABM1 comp = 13.98 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -5.8, 3.7 mm

ABM2 = -19.67 dBA/m

Location: 25, 0, 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 - 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)/GSM 1900_Voice 1 Slot_Ch 661_Port D_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 = 45.64 dB

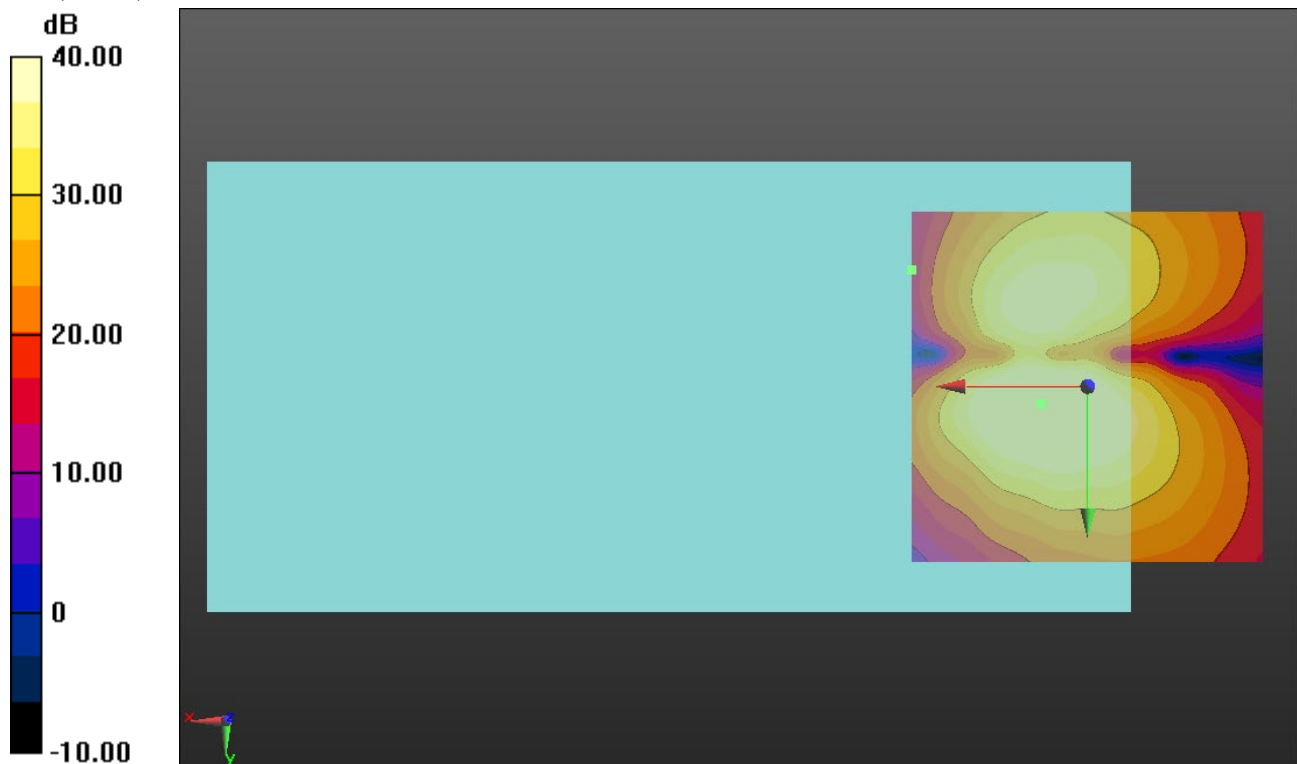
ABM1 comp = 4.90 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 2.5, 3.7 mm

ABM2 = -25.54 dBA/m

Location: 25, -16.7, 3.7 mm



W-CDMA Band II

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band II_Rel. 99_Ch 9538_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

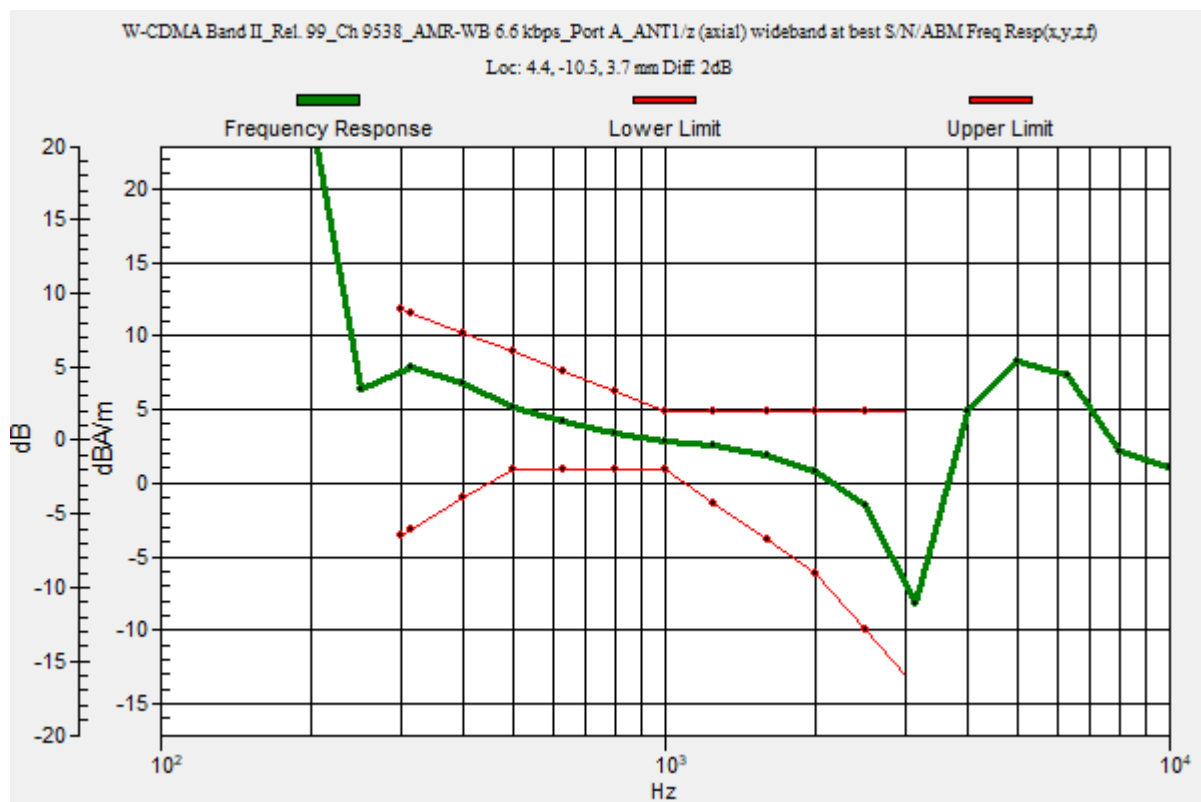
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 4.4, -10.5, 3.7 mm



W-CDMA Band II

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1907.6 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)/W-CDMA Band II_Rel. 99_Ch 9538_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 = 43.92 dB

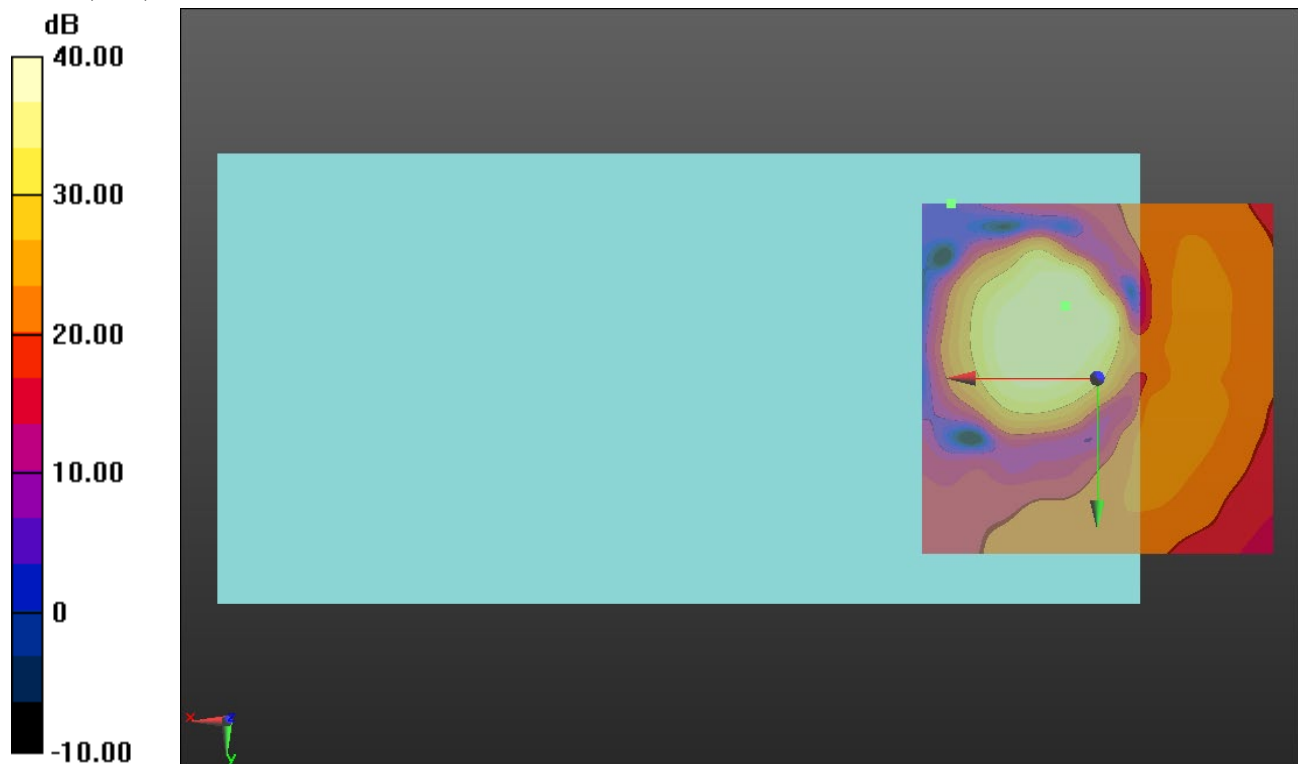
ABM1 comp = 0.34 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -10.4, 3.7 mm

ABM2 = -31.56 dBA/m

Location: 20.8, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1907.6 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)/W-CDMA Band II_Rel. 99_Ch 9538_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 = 44.70 dB

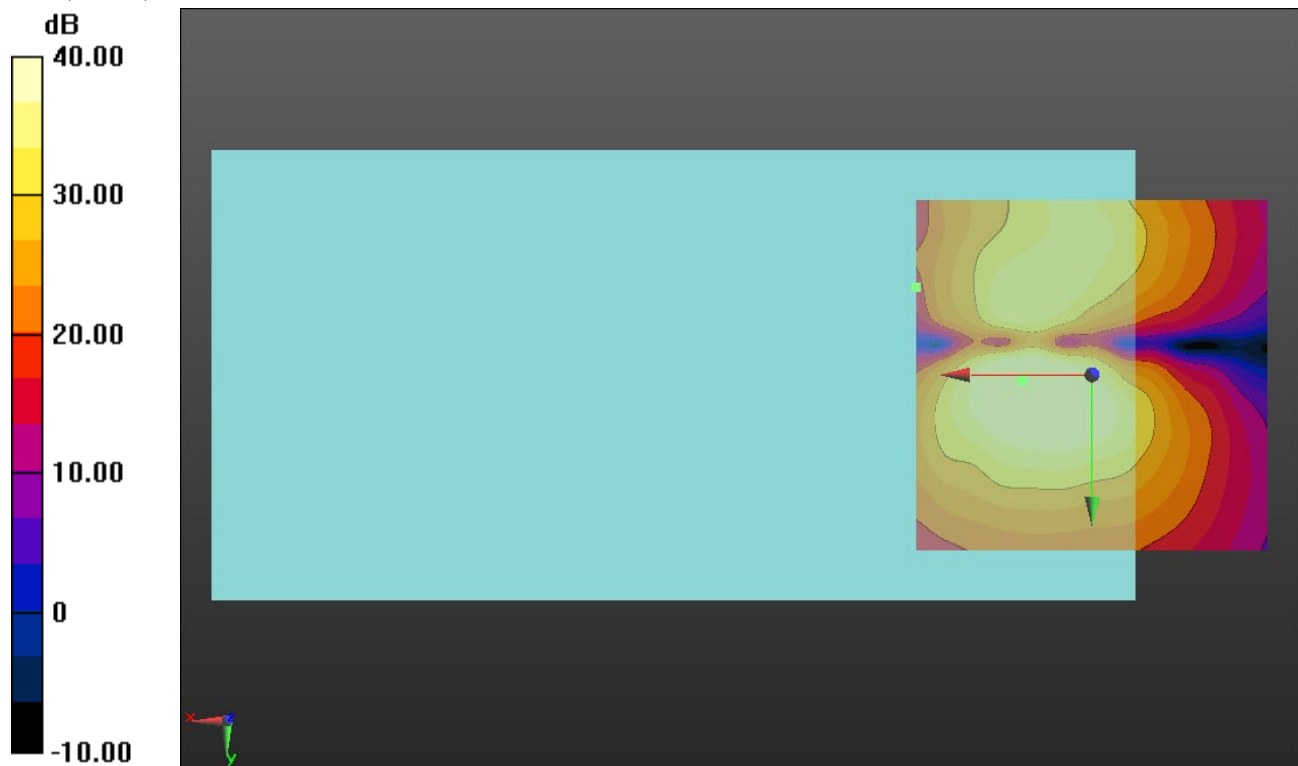
ABM1 comp = -2.71 dBA/m

BWC Factor = 0.16 dB

Location: 10, 0.8, 3.7 mm

ABM2 = -36.81 dBA/m

Location: 25, -12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band IV_Rel. 99_Ch 1413_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

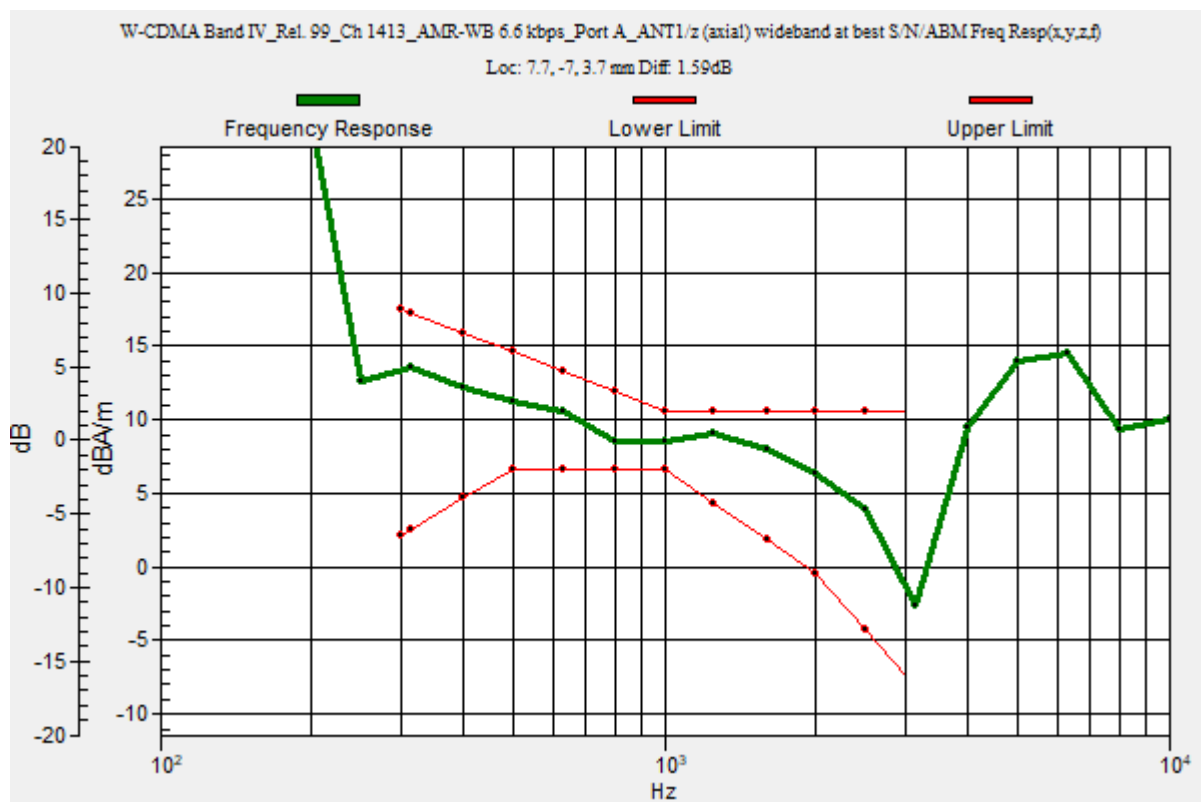
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.59 dB

BWC Factor = 10.80 dB

Location: 7.7, -7, 3.7 mm



W-CDMA Band IV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1732.6 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)/W-CDMA Band IV_Rel. 99_Ch 1413_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 = 42.47 dB

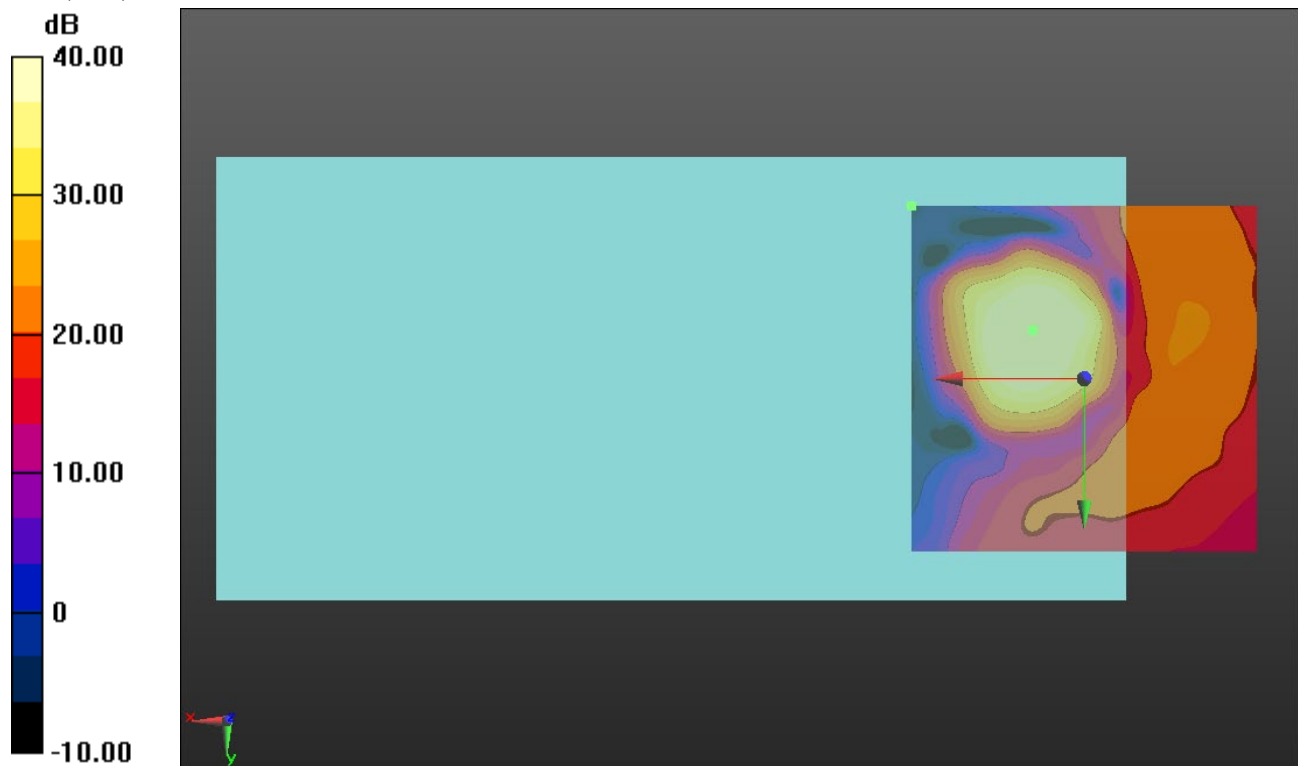
ABM1 comp = 7.00 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -7.1, 3.7 mm

ABM2 = -21.21 dBA/m

Location: 25, -25, 3.7 mm



W-CDMA Band IV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1732.6 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)/W-CDMA Band IV_Rel. 99_Ch 1413_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 = 37.98 dB

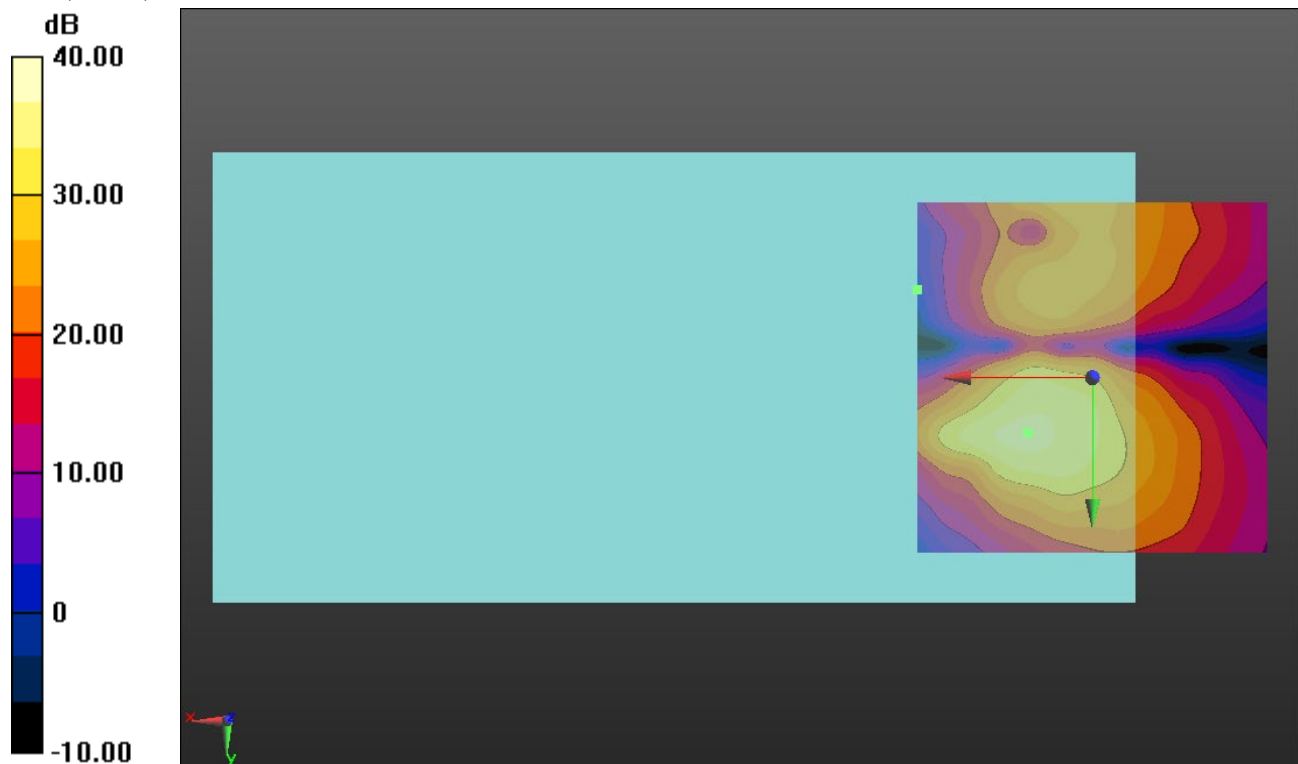
ABM1 comp = -4.64 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, 7.9, 3.7 mm

ABM2 = -19.70 dBA/m

Location: 25, -12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 846.6 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band V_Rel. 99_Ch 4233_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

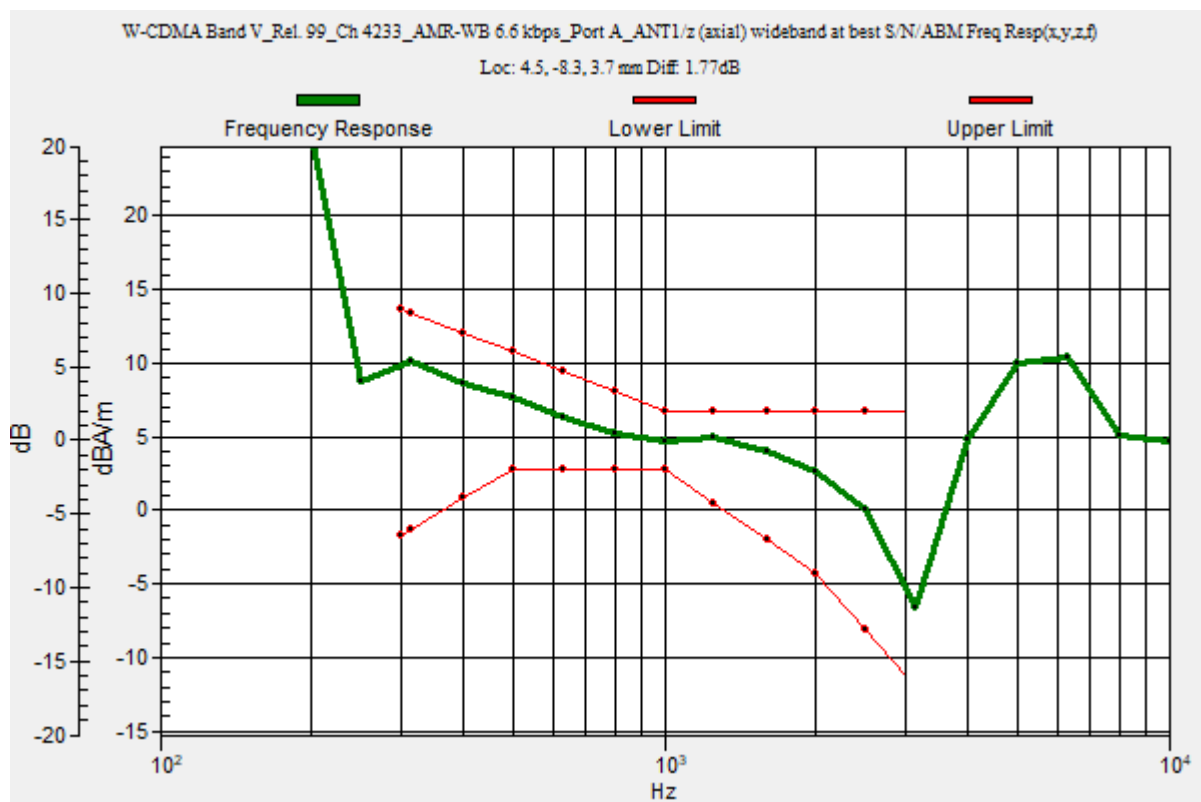
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.77 dB

BWC Factor = 10.80 dB

Location: 4.5, -8.3, 3.7 mm



W-CDMA Band V

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 846.6 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)/W-CDMA Band V_Rel. 99_Ch 4233_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 = 43.30 dB

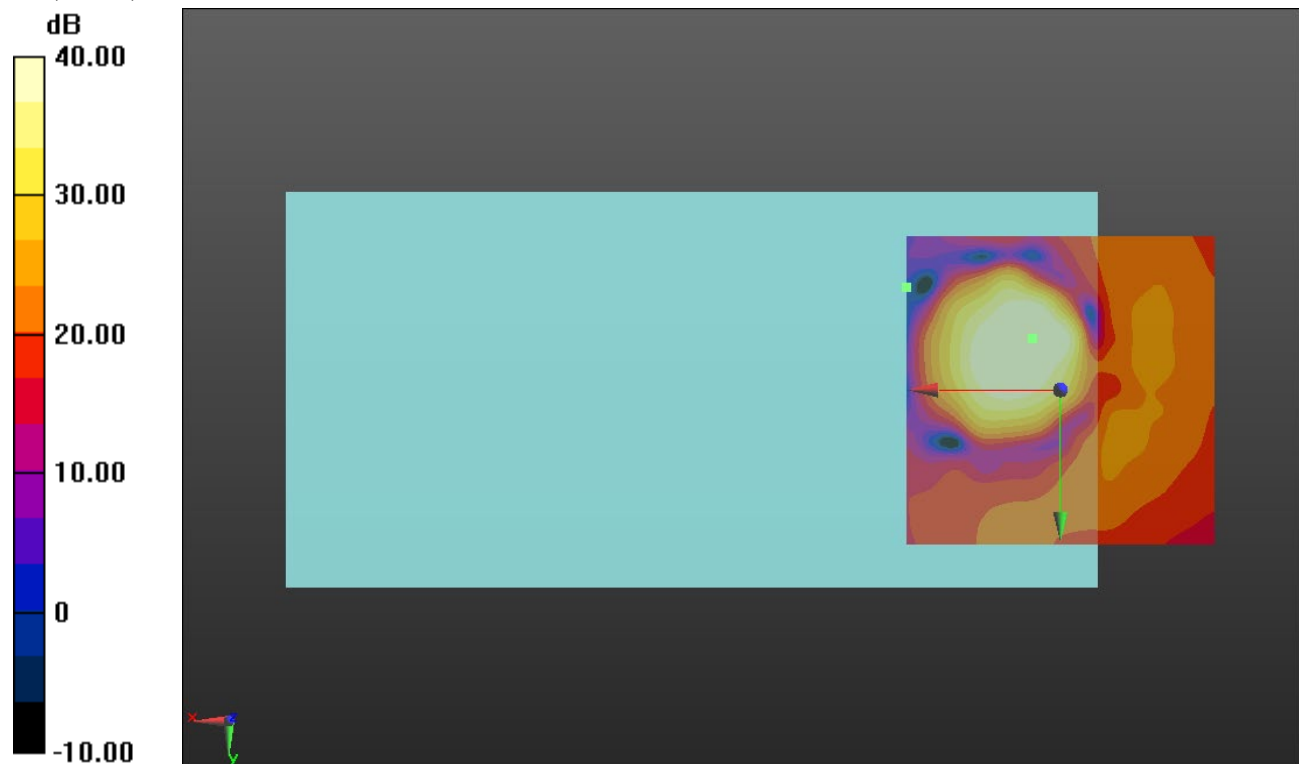
ABM1 comp = 2.79 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -8.3, 3.7 mm

ABM2 = -32.05 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 846.6 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)/W-CDMA Band V_Rel. 99_Ch 4233_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 = 38.95 dB

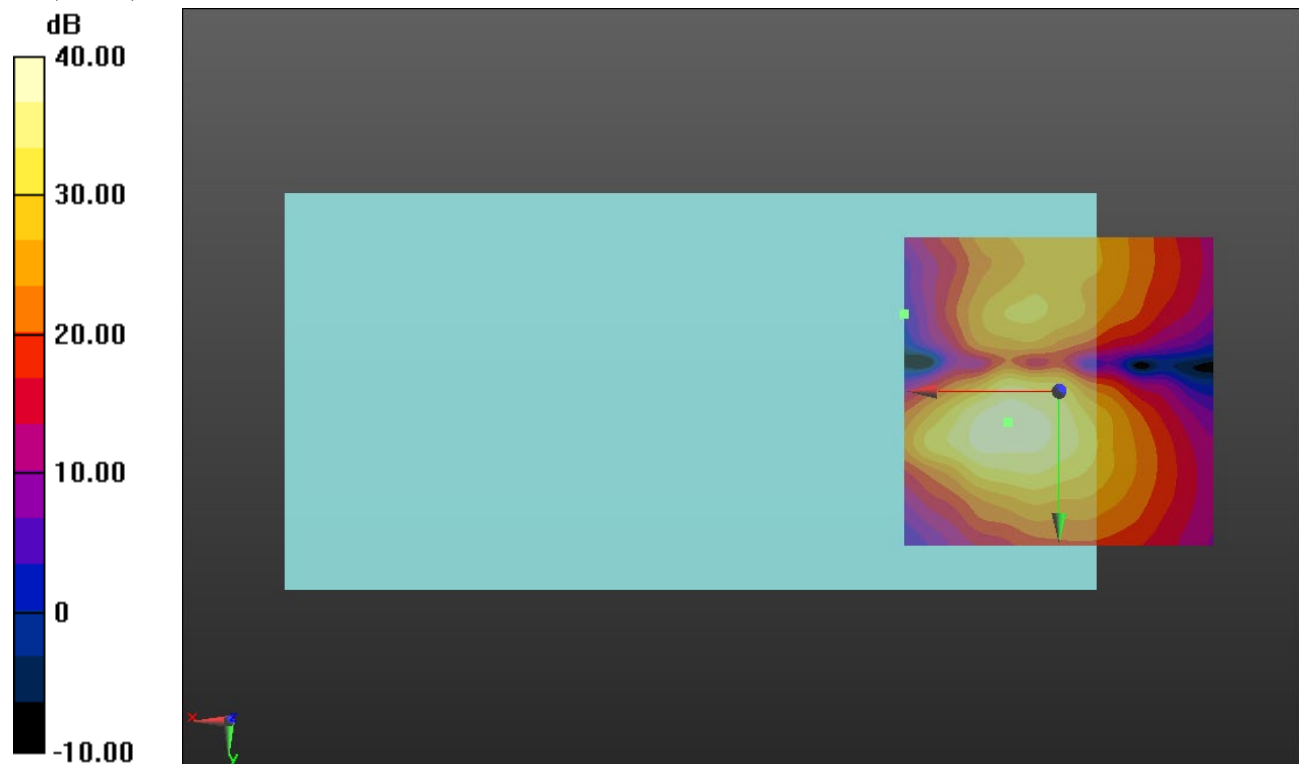
ABM1 comp = -1.84 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 5, 3.7 mm

ABM2 = -22.66 dBA/m

Location: 25, -12.5, 3.7 mm



CDMA2000 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)/CDMA2000 BC0_RC 1/1 SO3_Ch 384_8K EVRC Low_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: 37.5

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

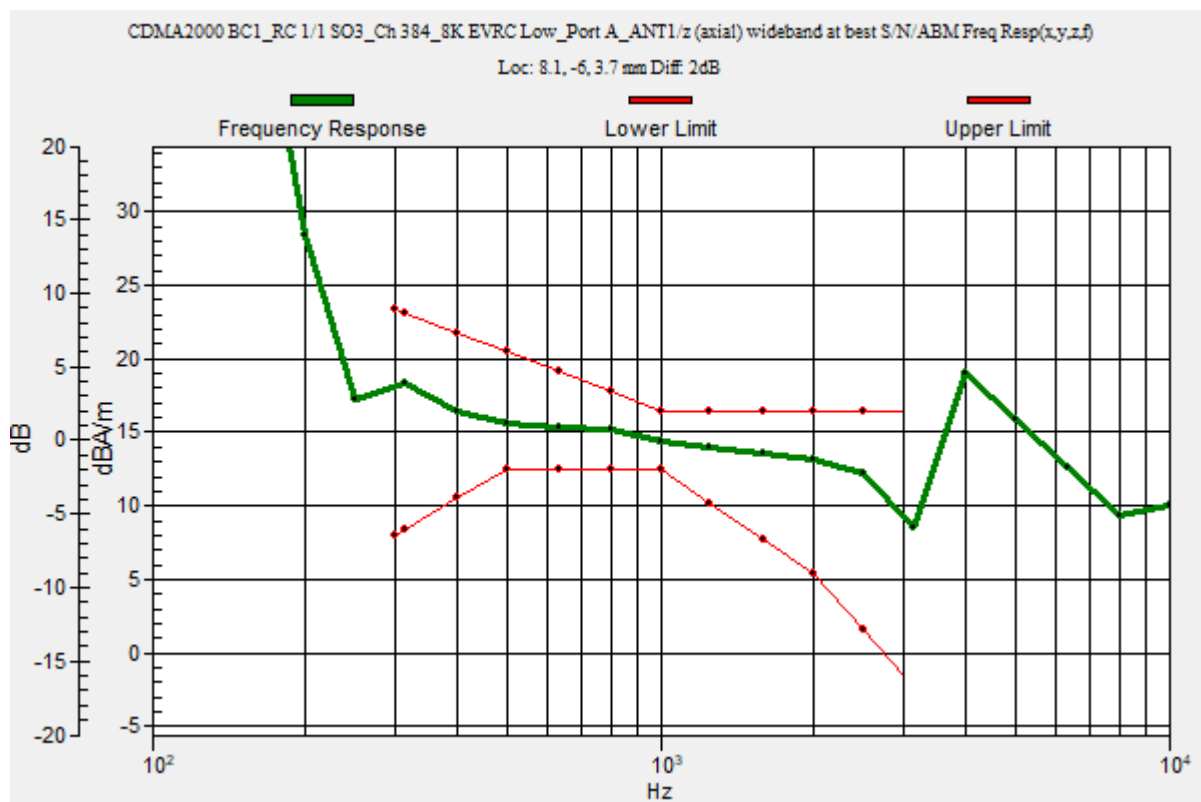
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.1, -6, 3.7 mm



CDMA2000 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)/CDMA2000 BC0_RC 1/1 SO3_Ch 384_8K EVRC Low_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: 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 = 46.88 dB

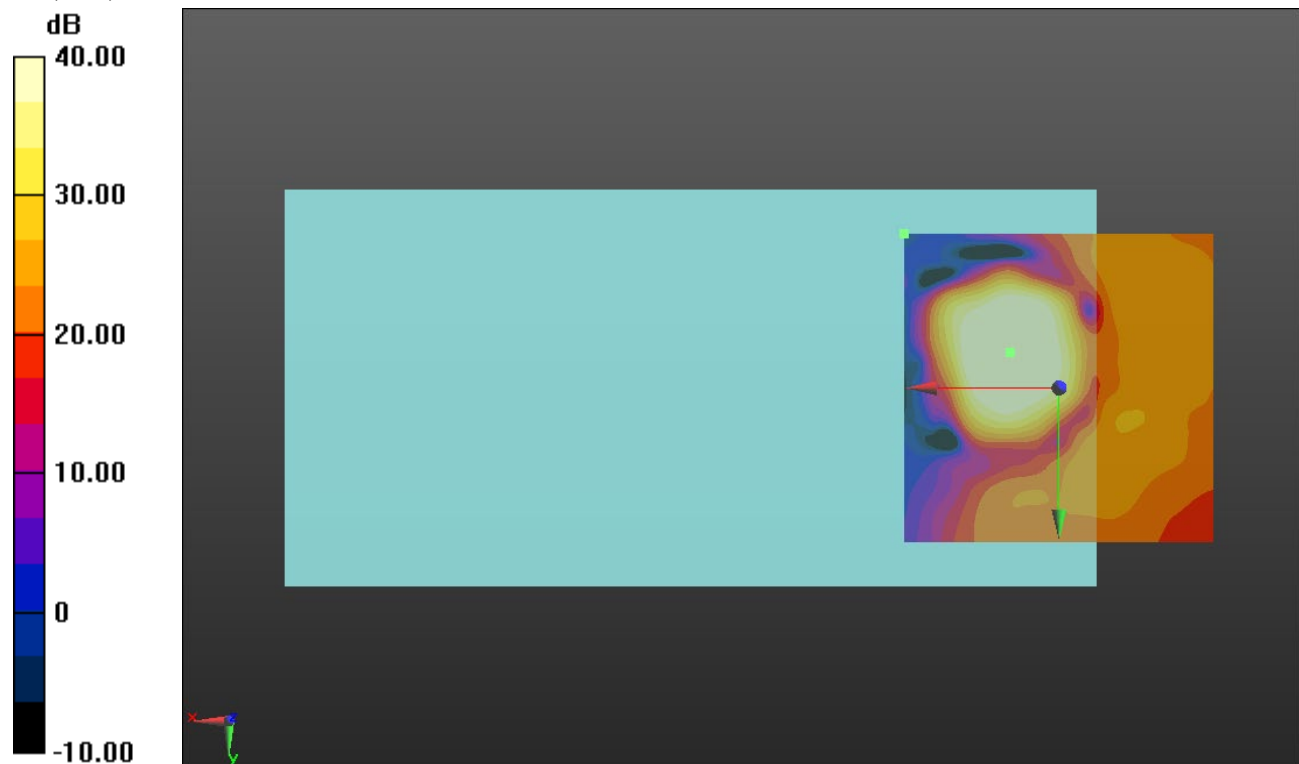
ABM1 comp = 11.55 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -5.8, 3.7 mm

ABM2 = -20.53 dBA/m

Location: 25, -25, 3.7 mm



CDMA2000 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)/CDMA2000 BC0_RC 1/1 SO3_Ch 384_8K EVRC Low_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: 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 = 41.94 dB

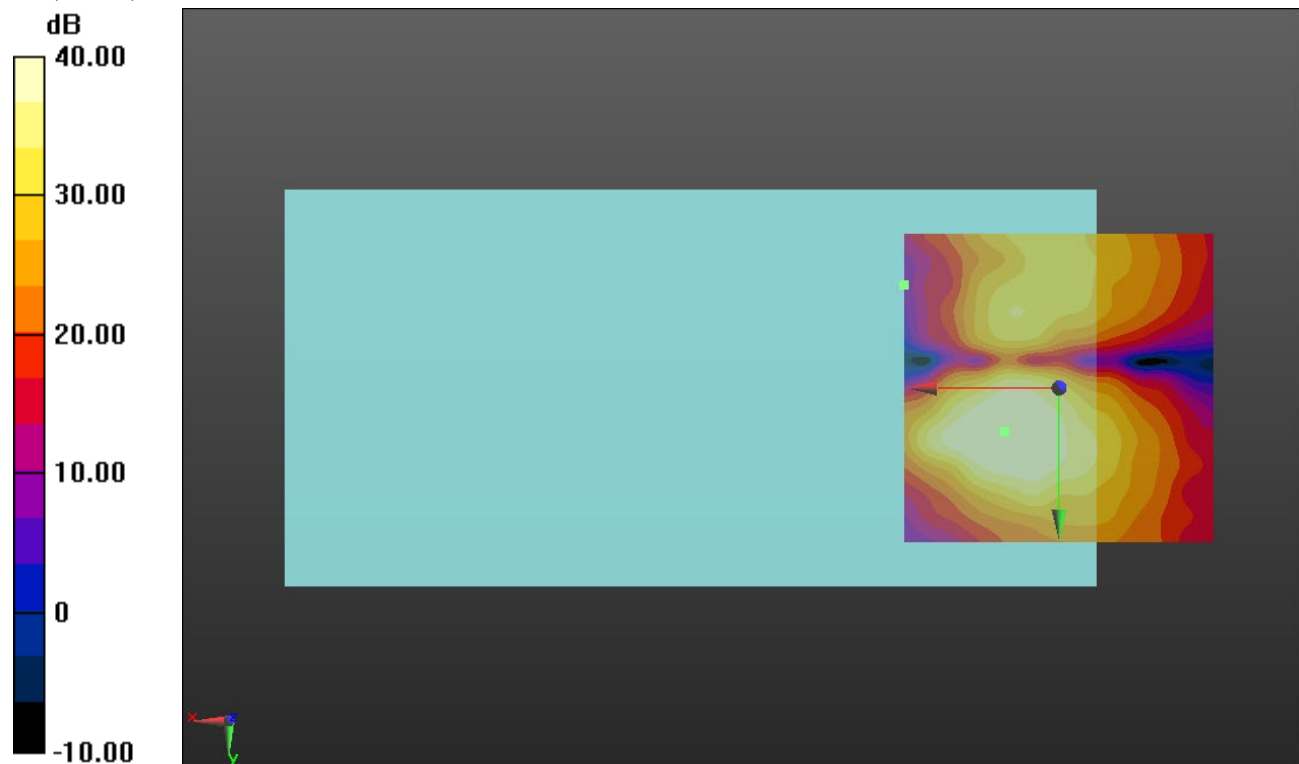
ABM1 comp = 0.43 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, 7.1, 3.7 mm

ABM2 = -21.04 dBA/m

Location: 25, -16.7, 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 BC1_RC 1/1 SO3_Ch 600_8K EVRC Low_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: 37.5

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

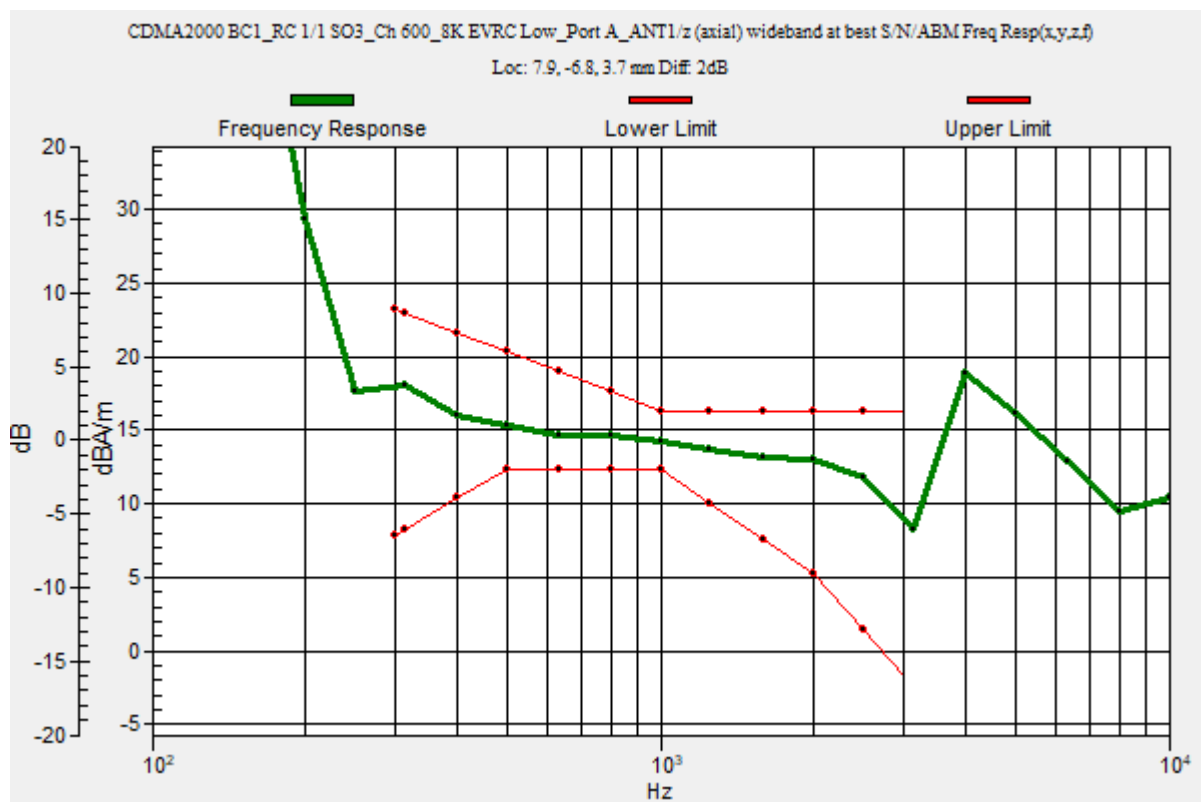
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 7.9, -6.8, 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 - 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)/CDMA2000 BC1_RC 1/1 SO3_Ch 600_8K EVRC Low_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: 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 = 46.09 dB

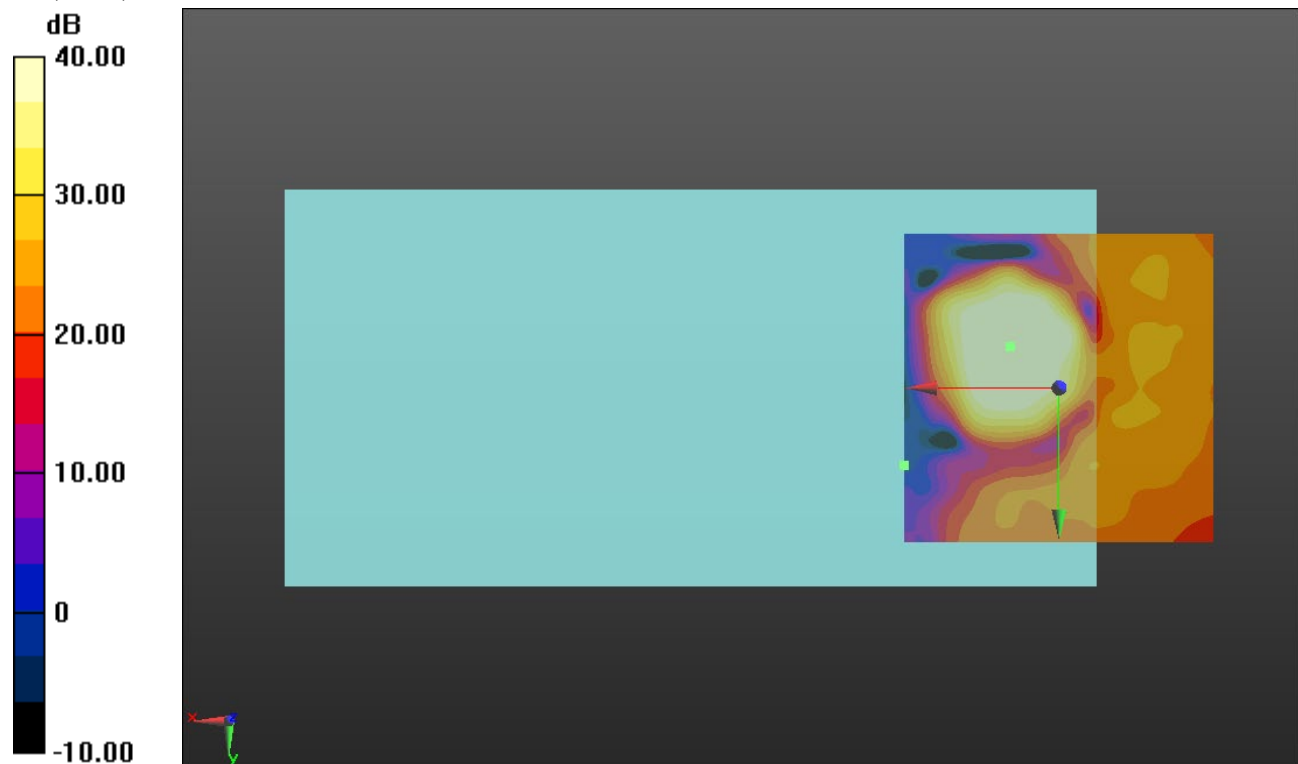
ABM1 comp = 11.07 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -6.7, 3.7 mm

ABM2 = -22.79 dBA/m

Location: 25, 12.5, 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 - 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)/CDMA2000 BC1_RC 1/1 SO3_Ch 600_8K EVRC Low_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: 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 = 42.14 dB

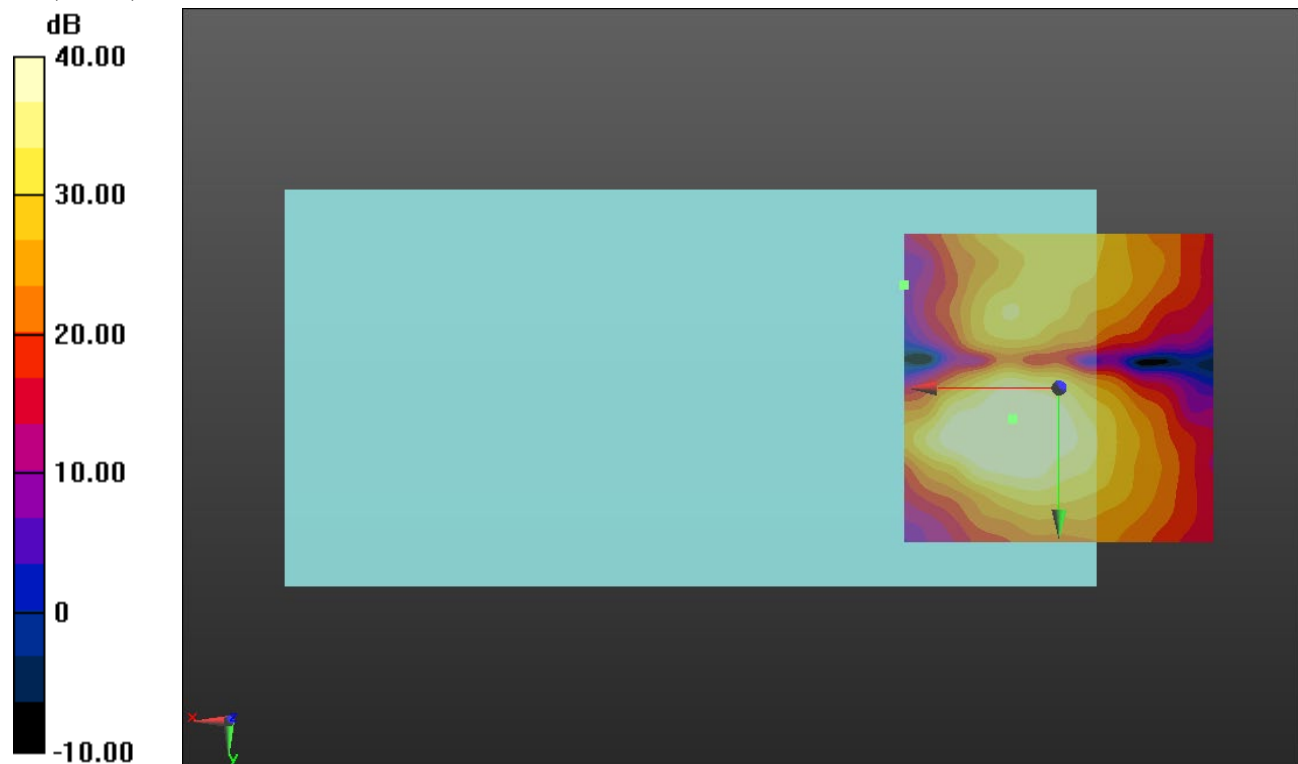
ABM1 comp = 1.53 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 5, 3.7 mm

ABM2 = -21.91 dBA/m

Location: 25, -16.7, 3.7 mm



CDMA2000 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)/CDMA2000 BC10_RC 1/1 SO3_Ch 580_8K EVRC Low_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: 37.5

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

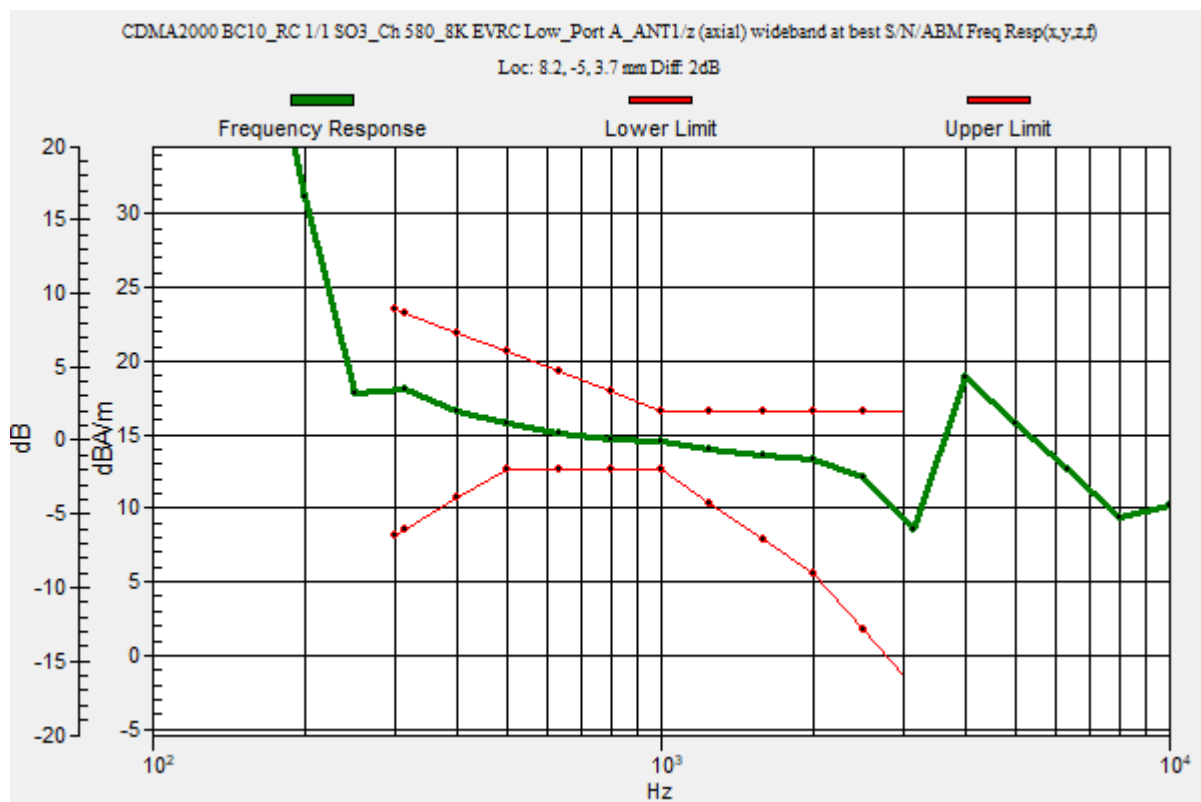
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.2, -5, 3.7 mm



CDMA2000 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)/CDMA2000 BC10_RC 1/1 SO3_Ch 580_8K EVRC Low_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: 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 = 47.44 dB

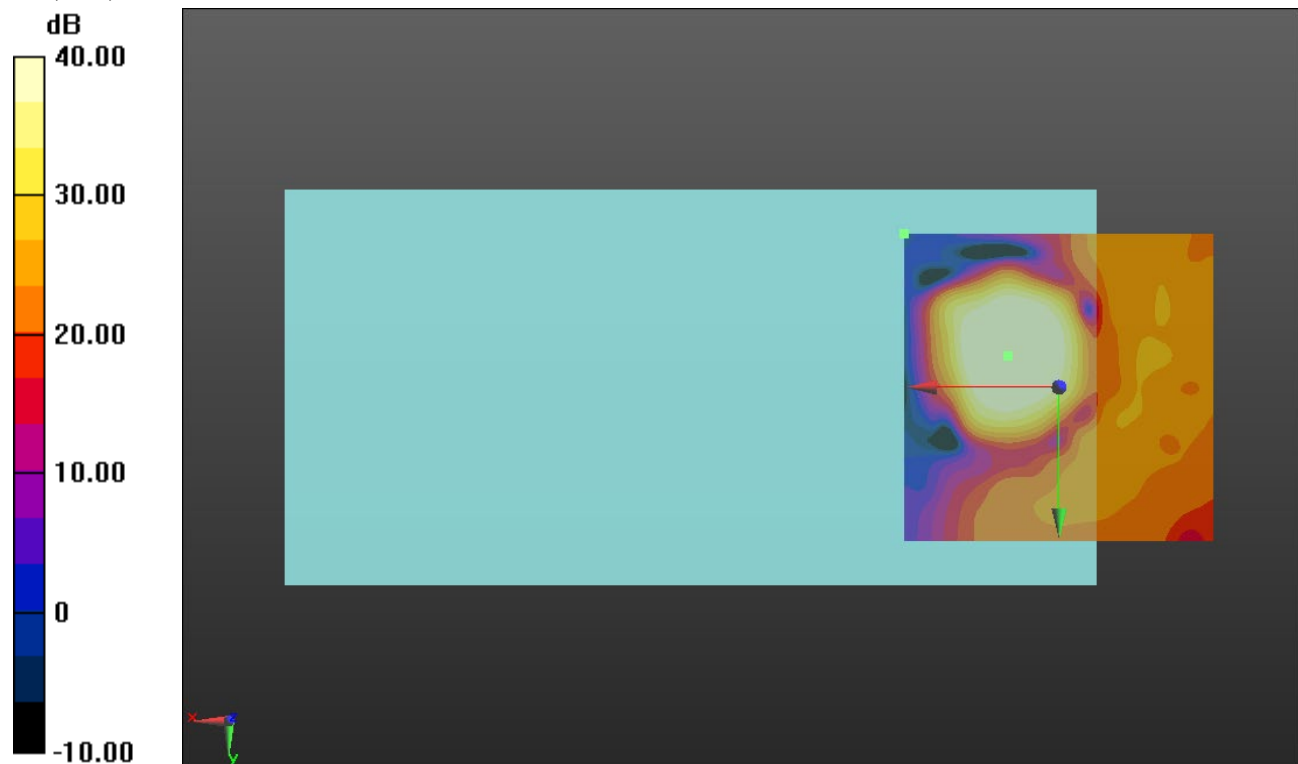
ABM1 comp = 12.29 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -5, 3.7 mm

ABM2 = -21.55 dBA/m

Location: 25, -25, 3.7 mm



CDMA2000 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)/CDMA2000 BC10_RC 1/1 SO3_Ch 580_8K EVRC Low_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: 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 = 41.78 dB

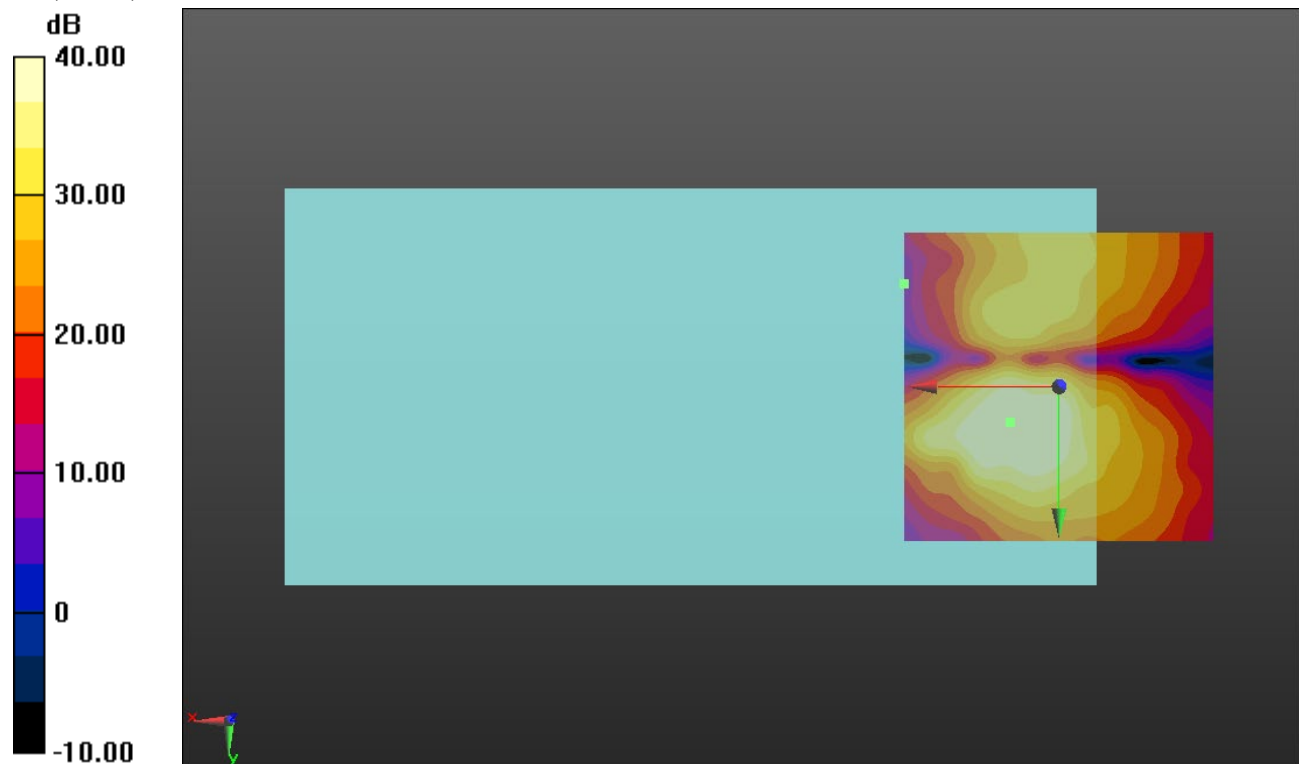
ABM1 comp = 1.39 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 5.8, 3.7 mm

ABM2 = -21.07 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

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_RB 1/99_20 MHz_Ch 18900_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

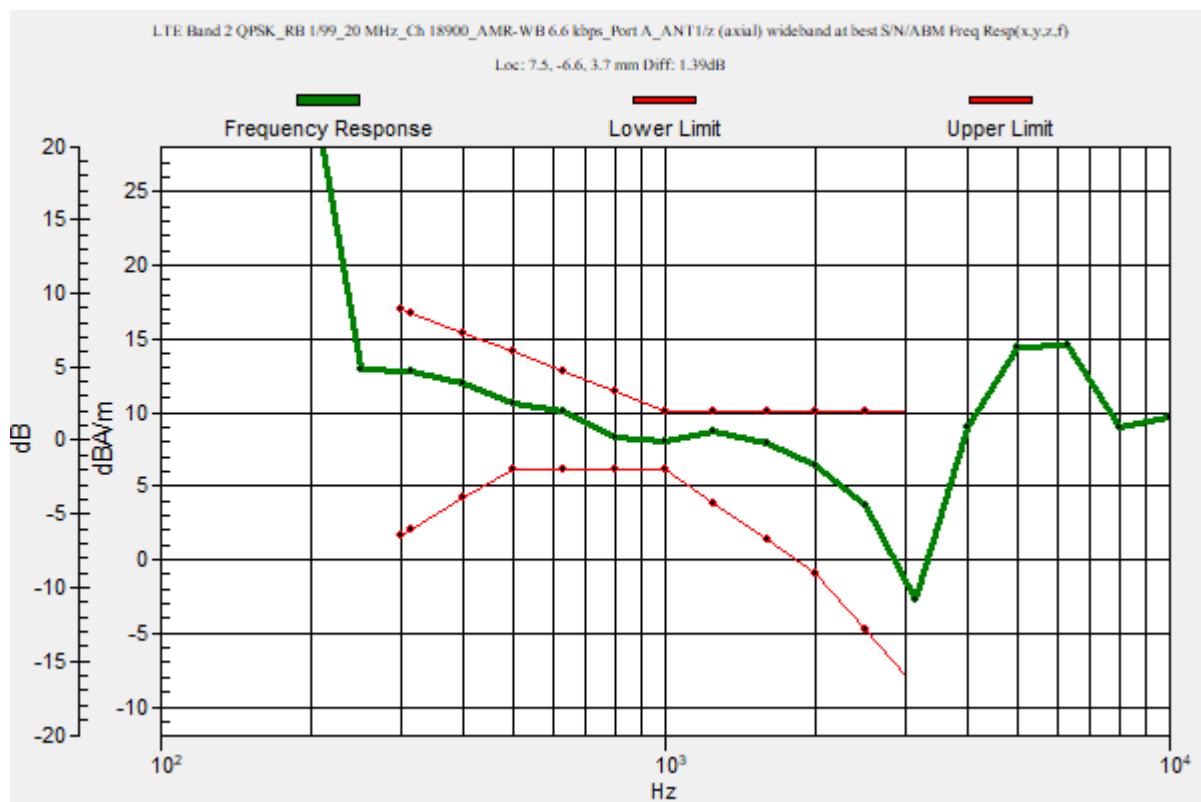
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.39 dB

BWC Factor = 10.80 dB

Location: 7.5, -6.6, 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 - 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 2 QPSK_RB 1/99_20 MHz_Ch 18900_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 = 42.07 dB

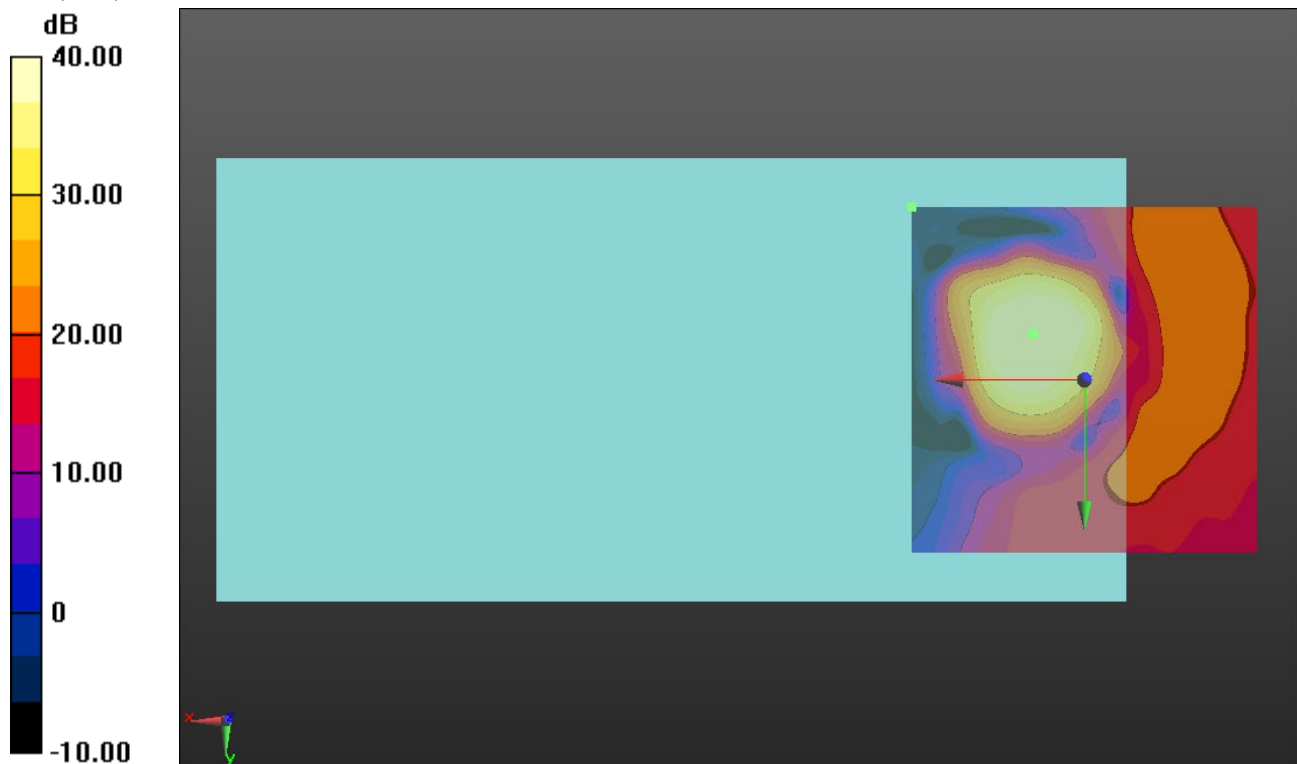
ABM1 comp = 6.70 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -6.7, 3.7 mm

ABM2 = -20.02 dBA/m

Location: 25, -25, 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 - 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 2 QPSK_RB 1/99_20 MHz_Ch 18900_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 = 37.00 dB

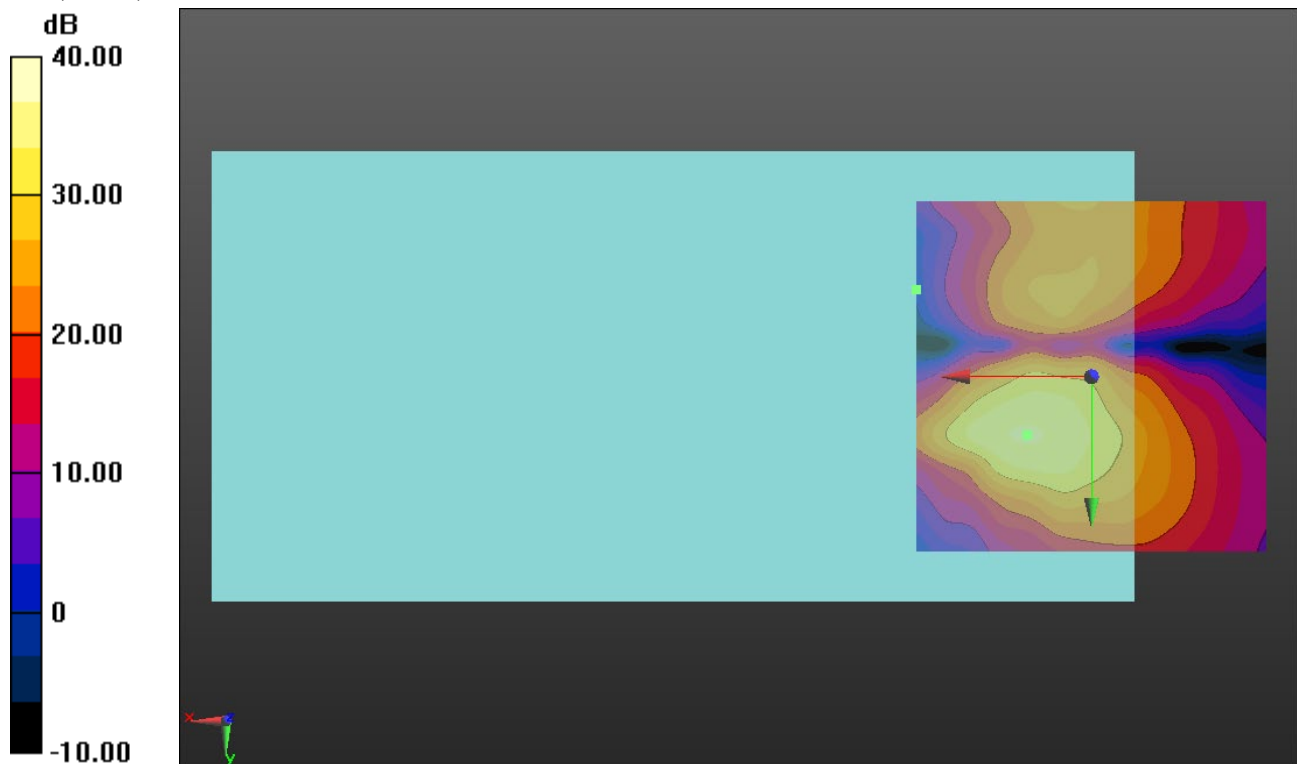
ABM1 comp = -5.03 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, 8.3, 3.7 mm

ABM2 = -19.28 dBA/m

Location: 25, -12.5, 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_RB 1/99_20 MHz_Ch 20175_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

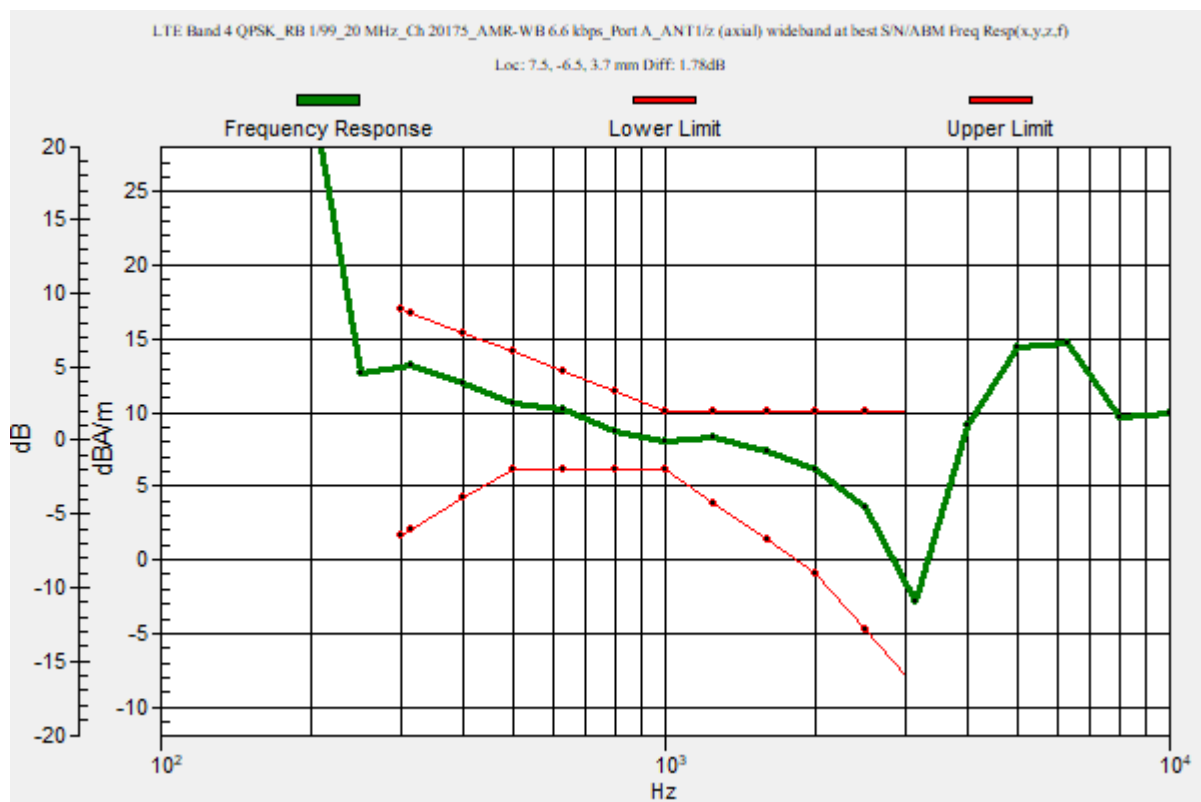
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.78 dB

BWC Factor = 10.80 dB

Location: 7.5, -6.5, 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 - 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 4 QPSK_RB 1/99_20 MHz_Ch 20175_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 = 41.78 dB

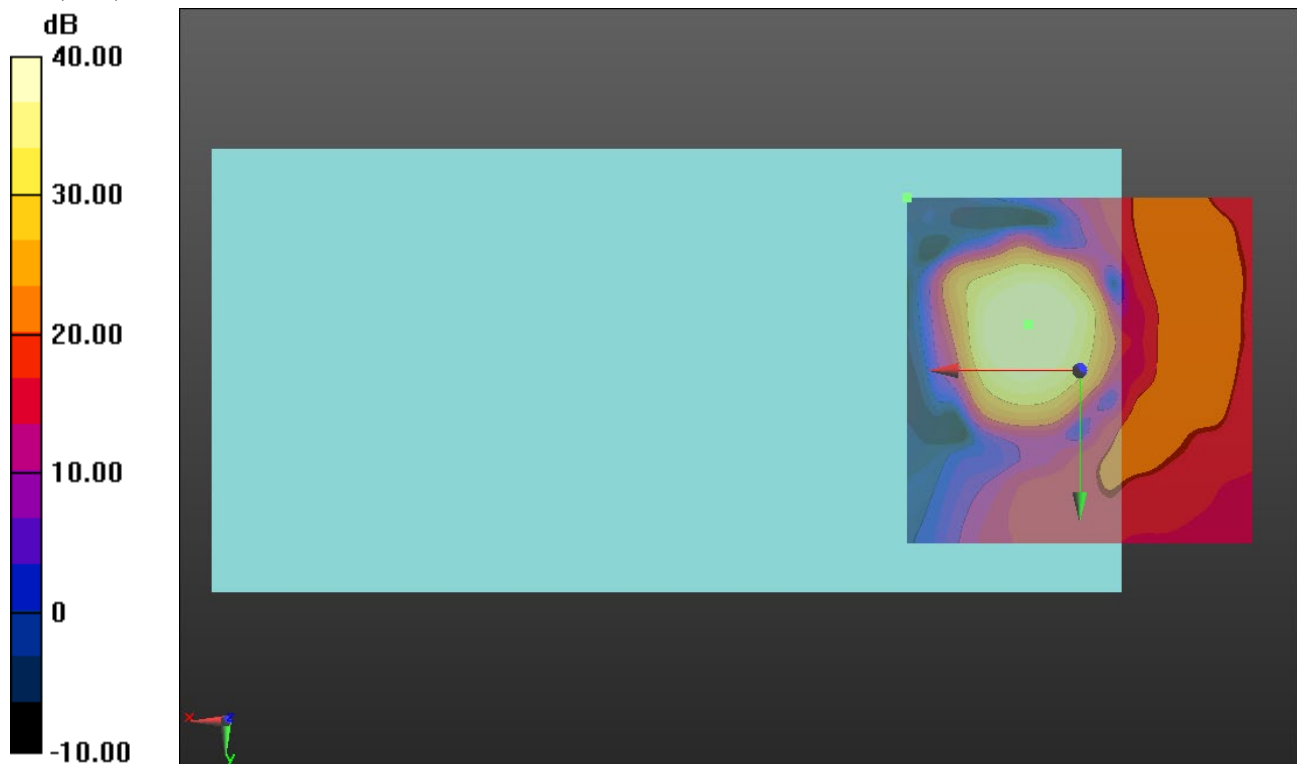
ABM1 comp = 6.49 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -6.7, 3.7 mm

ABM2 = -19.97 dBA/m

Location: 25, -25, 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 - 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 4 QPSK_RB 1/99_20 MHz_Ch 20175_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 = 36.60 dB

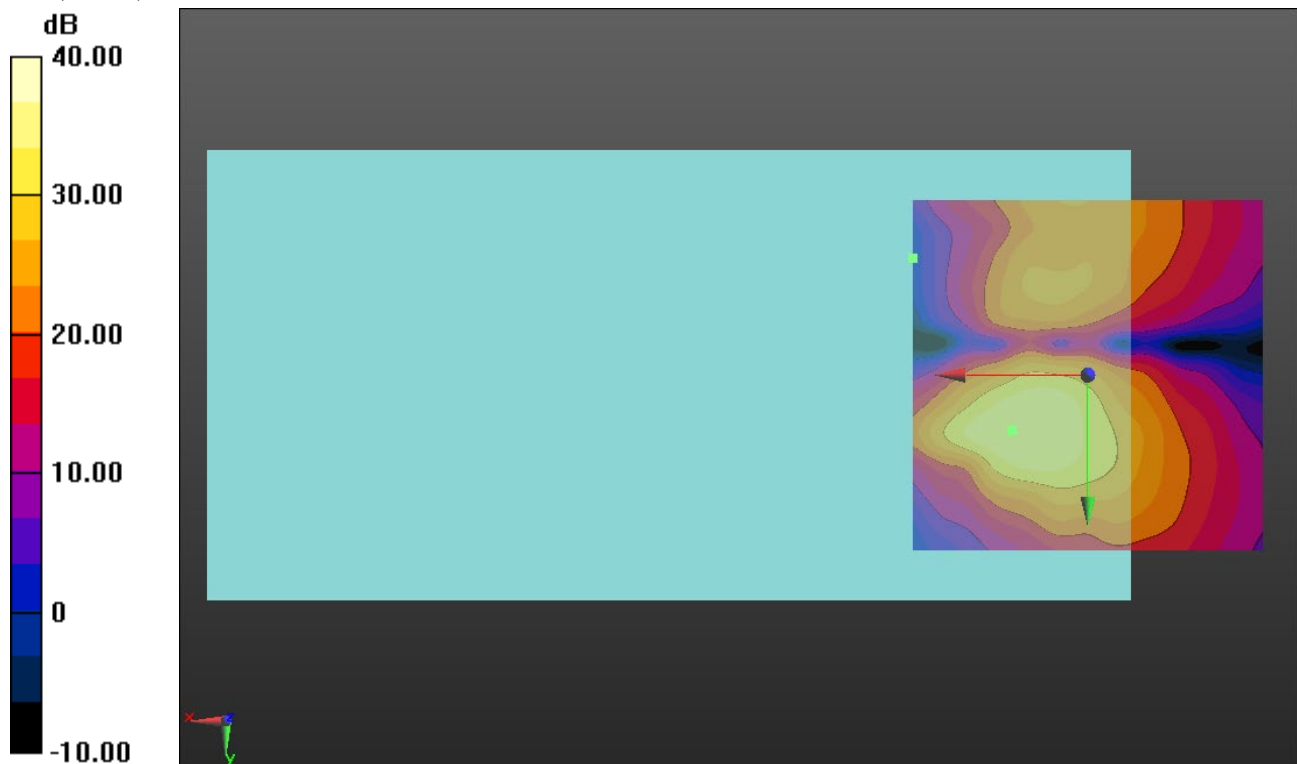
ABM1 comp = -4.53 dBA/m

BWC Factor = 0.16 dB

Location: 10.8, 7.9, 3.7 mm

ABM2 = -19.37 dBA/m

Location: 25, -16.7, 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_RB 1/49_10 MHz_Ch 20525_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

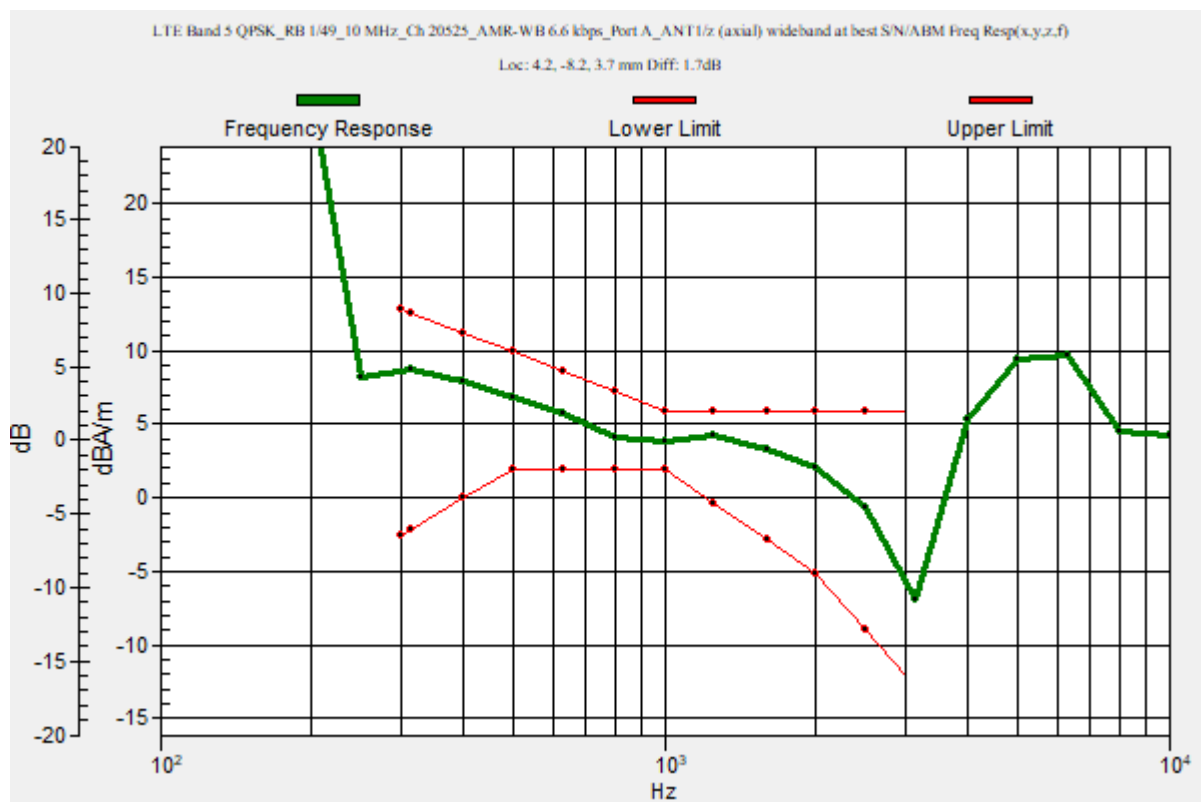
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.70 dB

BWC Factor = 10.80 dB

Location: 4.2, -8.2, 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 - 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 5 QPSK_RB 1/49_10 MHz_Ch 20525_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 = 42.57 dB

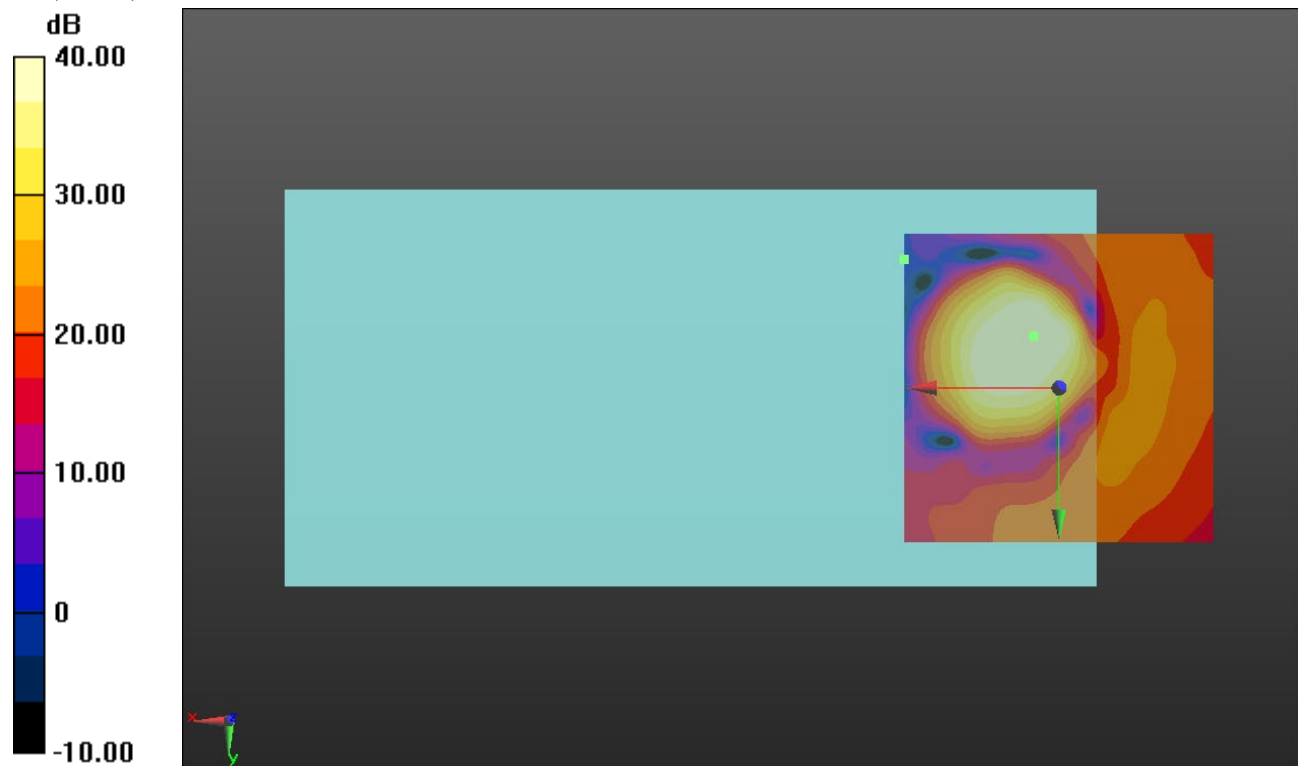
ABM1 comp = 1.46 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -8.3, 3.7 mm

ABM2 = -29.51 dBA/m

Location: 25, -20.8, 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 - 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 5 QPSK_RB 1/49_10 MHz_Ch 20525_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 = 43.16 dB

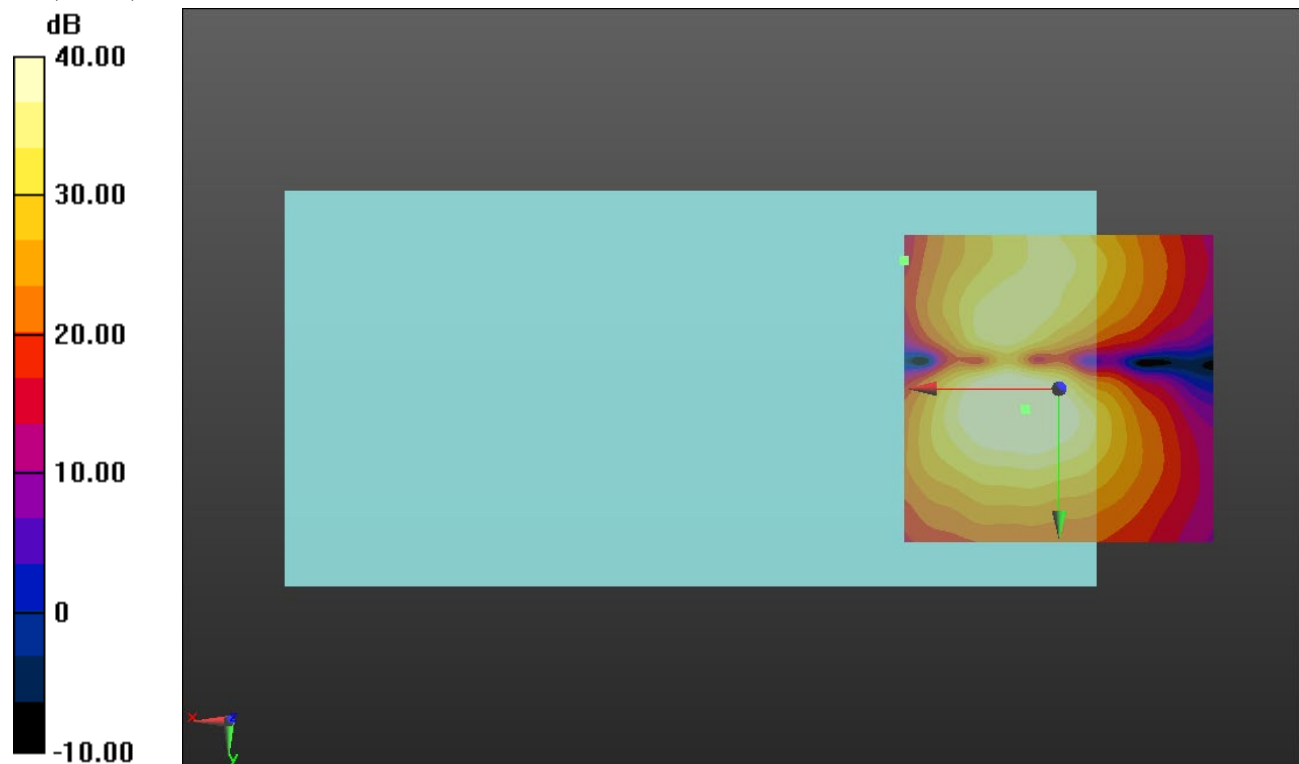
ABM1 comp = -3.20 dBA/m

BWC Factor = 0.16 dB

Location: 5.4, 3.3, 3.7 mm

ABM2 = -34.12 dBA/m

Location: 25, -20.8, 3.7 mm



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_RB 1/99_20 MHz_Ch 21100_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

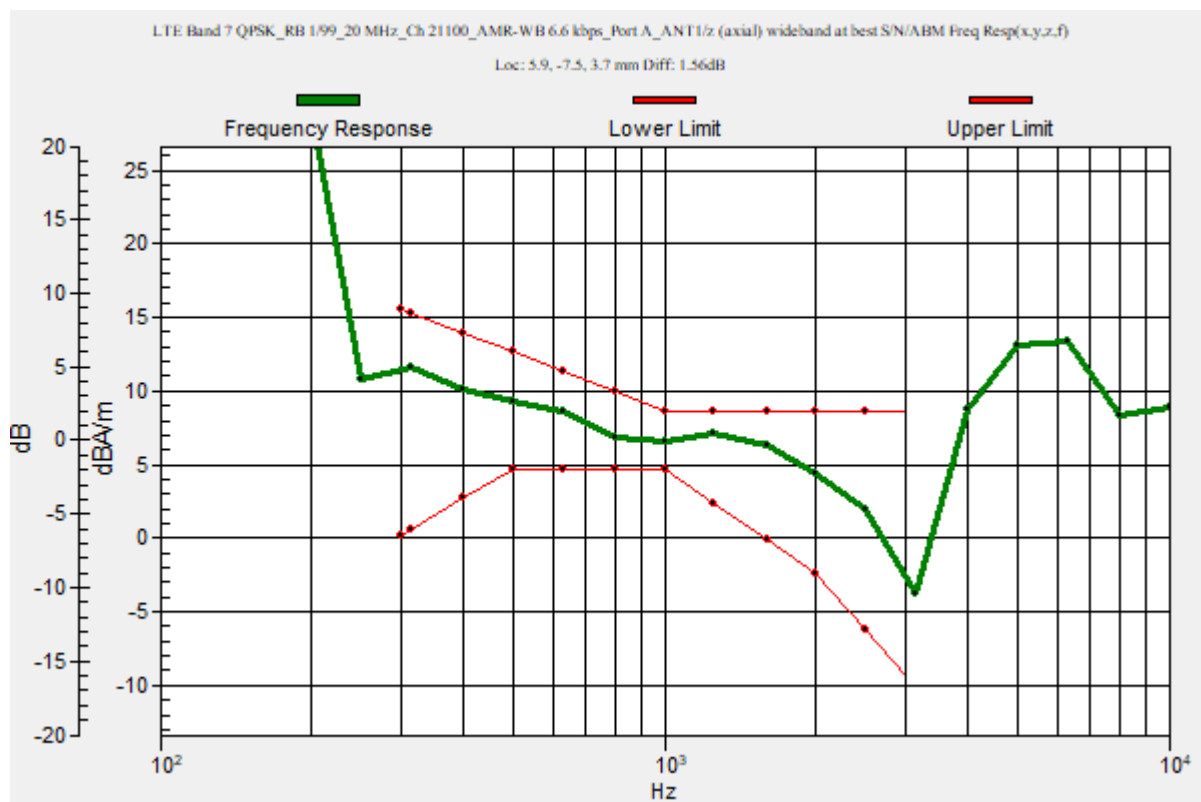
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.56 dB

BWC Factor = 10.80 dB

Location: 5.9, -7.5, 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 - 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 7 QPSK_RB 1/99_20 MHz_Ch 21100_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 = 41.55 dB

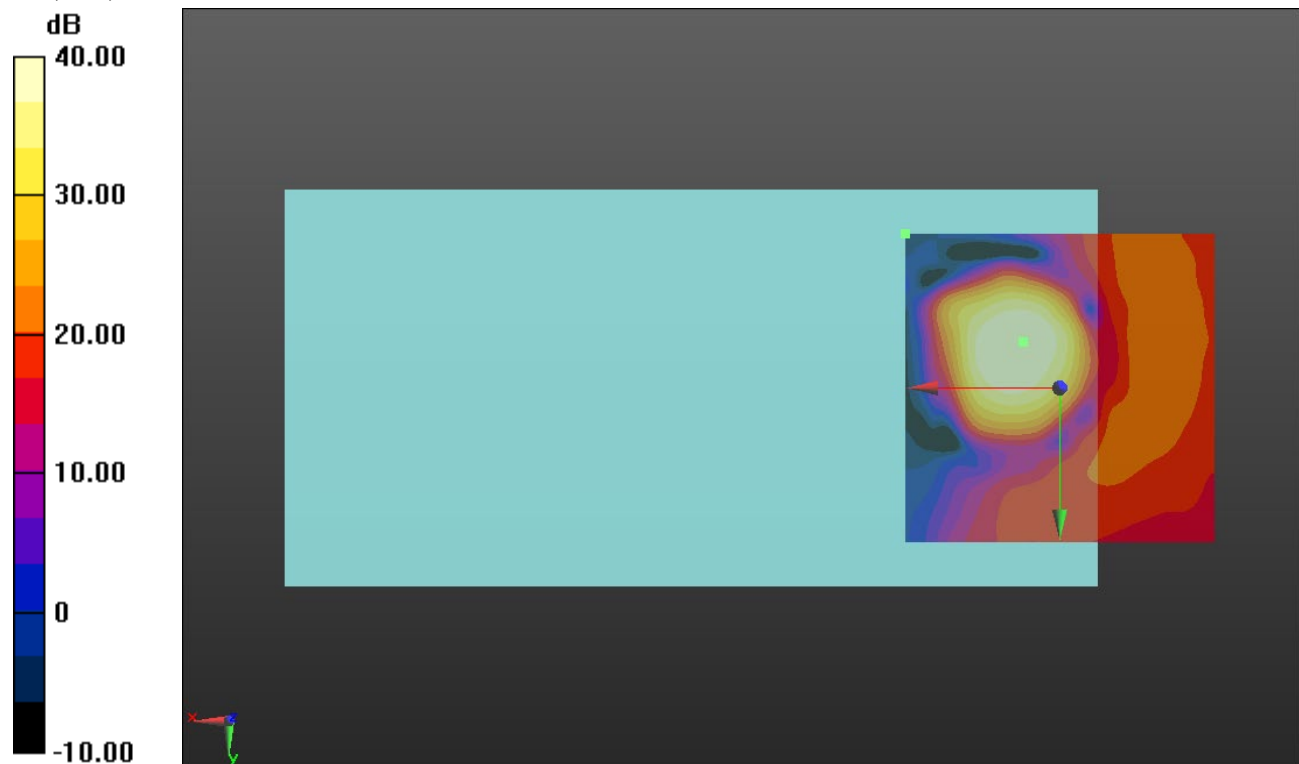
ABM1 comp = 4.44 dBA/m

BWC Factor = 0.16 dB

Location: 5.8, -7.5, 3.7 mm

ABM2 = -19.57 dBA/m

Location: 25, -25, 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 - 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 7 QPSK_RB 1/99_20 MHz_Ch 21100_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 = 36.54 dB

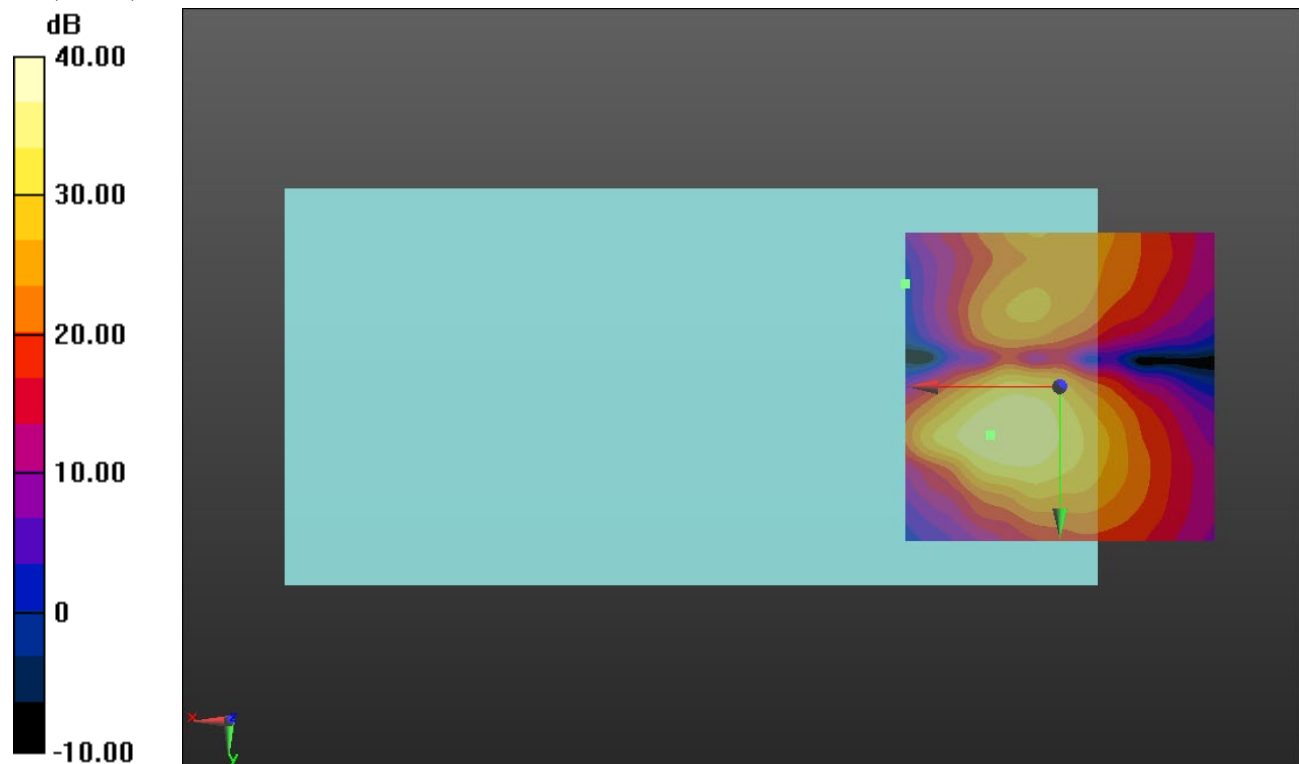
ABM1 comp = -4.96 dBA/m

BWC Factor = 0.16 dB

Location: 11.3, 7.9, 3.7 mm

ABM2 = -19.41 dBA/m

Location: 25, -16.7, 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_RB 1/49_10 MHz_Ch 23095_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

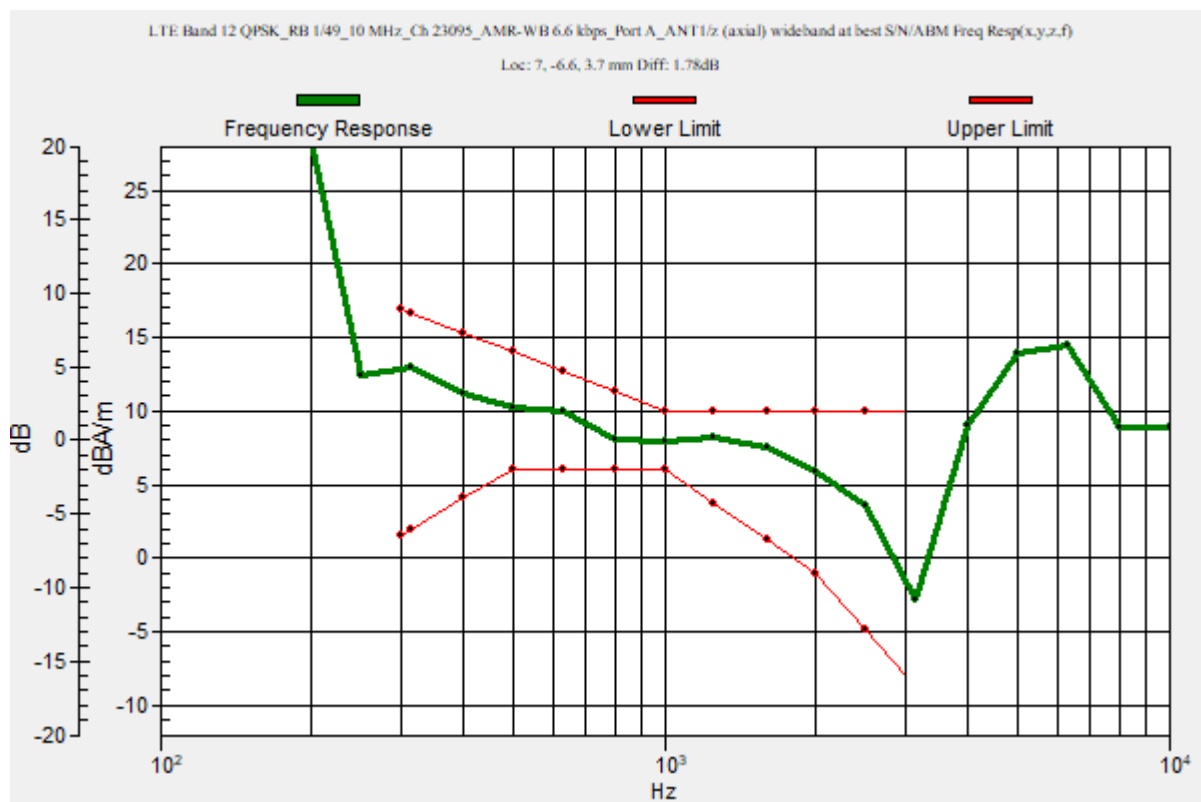
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.78 dB

BWC Factor = 10.80 dB

Location: 7, -6.6, 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 - 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 12 QPSK_RB 1/49_10 MHz_Ch 23095_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 = 41.86 dB

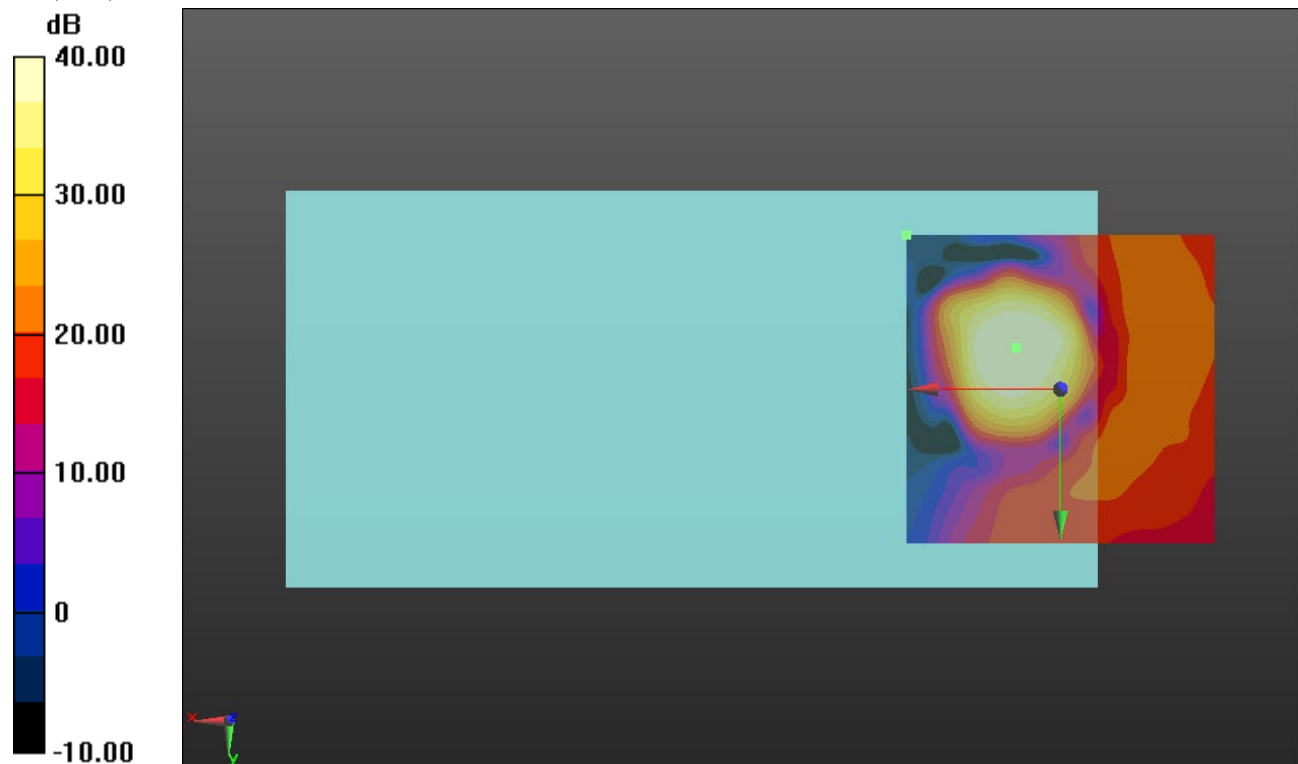
ABM1 comp = 6.28 dBA/m

BWC Factor = 0.16 dB

Location: 7.1, -6.7, 3.7 mm

ABM2 = -19.91 dBA/m

Location: 25, -25, 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

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 12 QPSK_RB 1/49_10 MHz_Ch 23095_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 = 36.88 dB

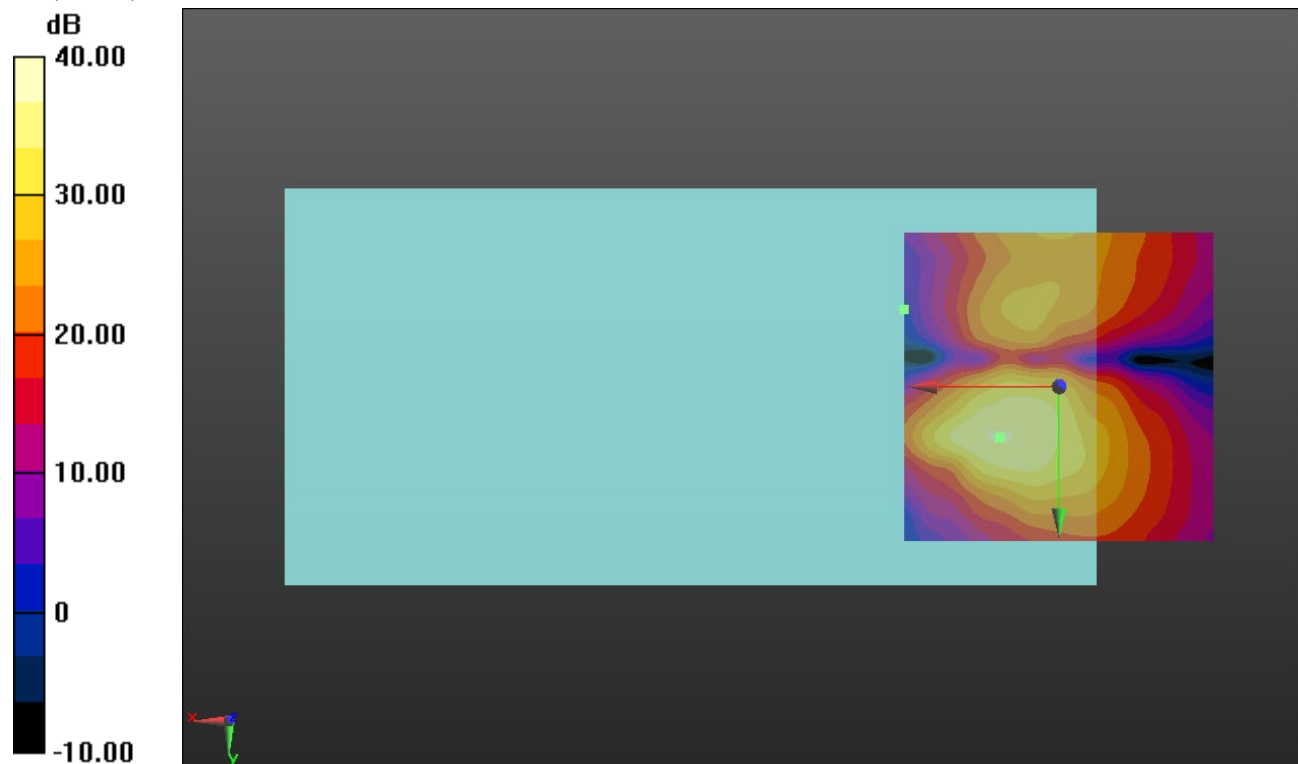
ABM1 comp = -5.24 dBA/m

BWC Factor = 0.16 dB

Location: 9.6, 8.3, 3.7 mm

ABM2 = -20.66 dBA/m

Location: 25, -12.5, 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_RB 1/49_10 MHz_Ch 23230_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

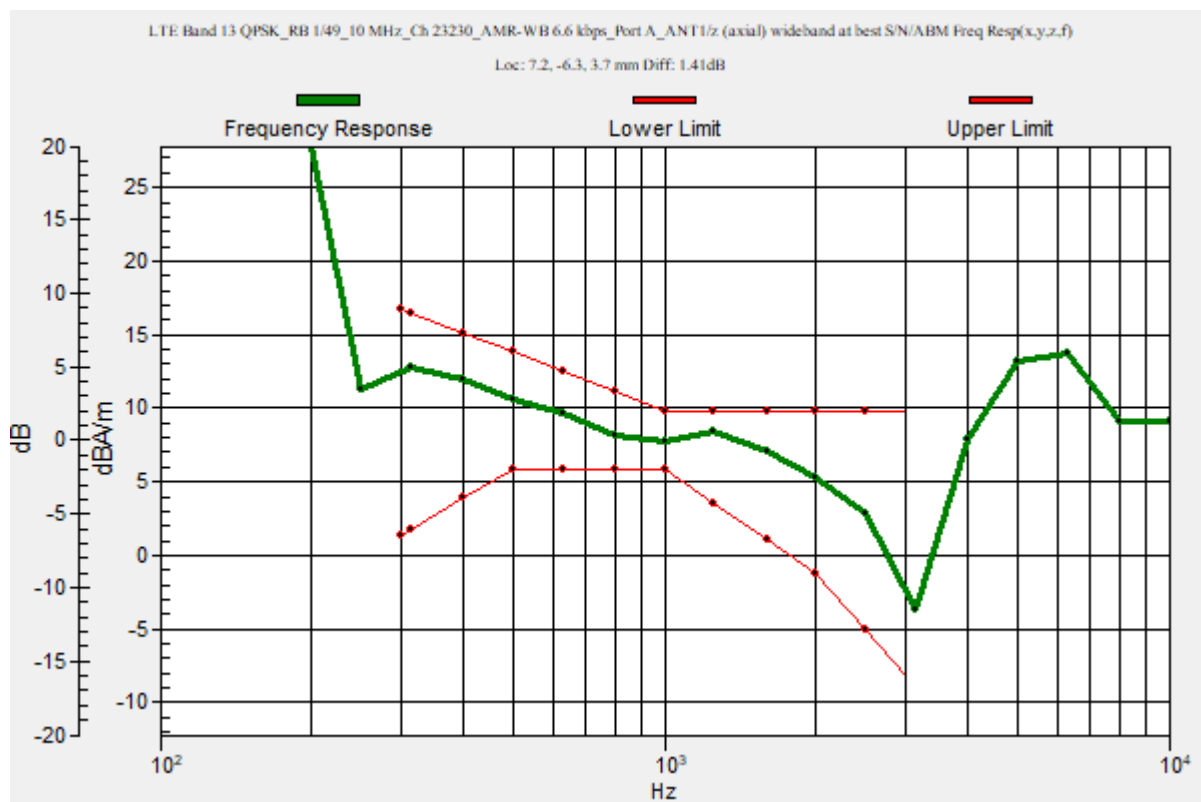
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.41 dB

BWC Factor = 10.80 dB

Location: 7.2, -6.3, 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 - 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 13 QPSK_RB 1/49_10 MHz_Ch 23230_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 = 41.87 dB

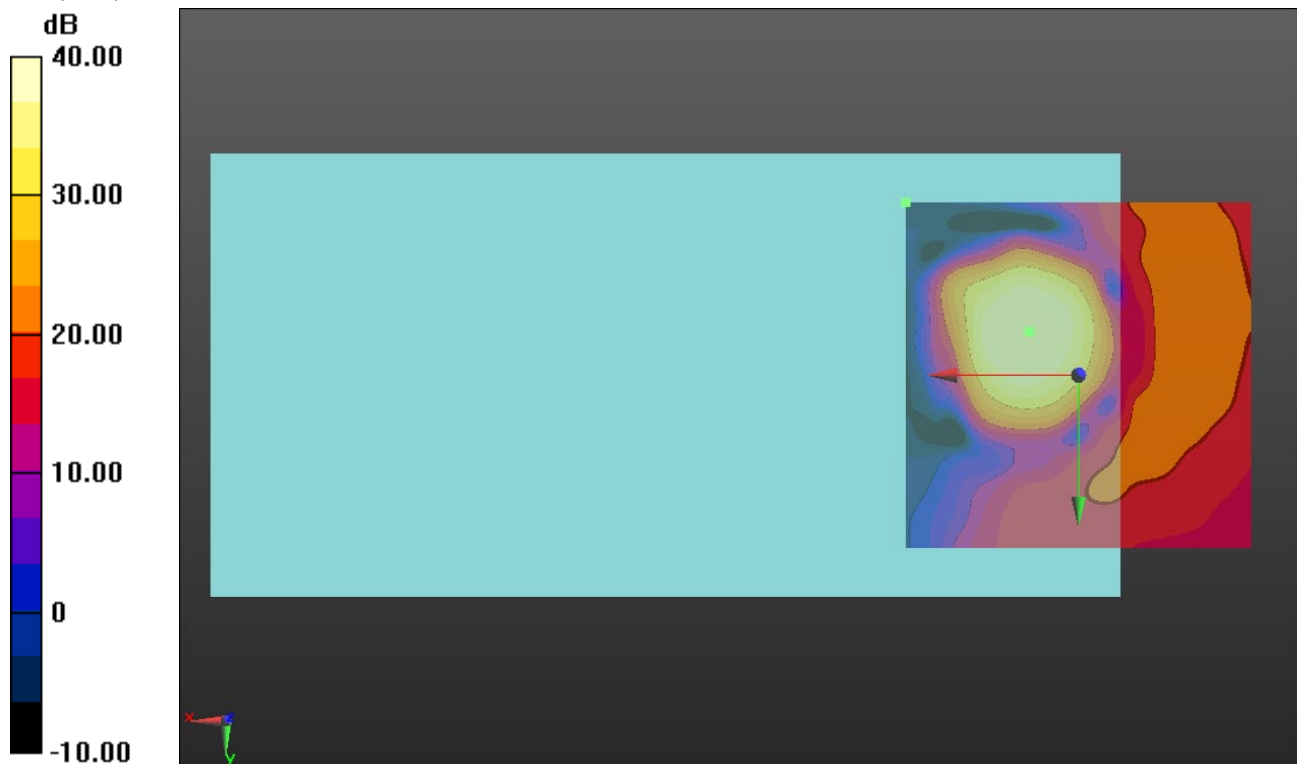
ABM1 comp = 6.37 dBA/m

BWC Factor = 0.16 dB

Location: 7.1, -6.3, 3.7 mm

ABM2 = -19.21 dBA/m

Location: 25, -25, 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 - 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 13 QPSK_RB 1/49_10 MHz_Ch 23230_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 = 36.94 dB

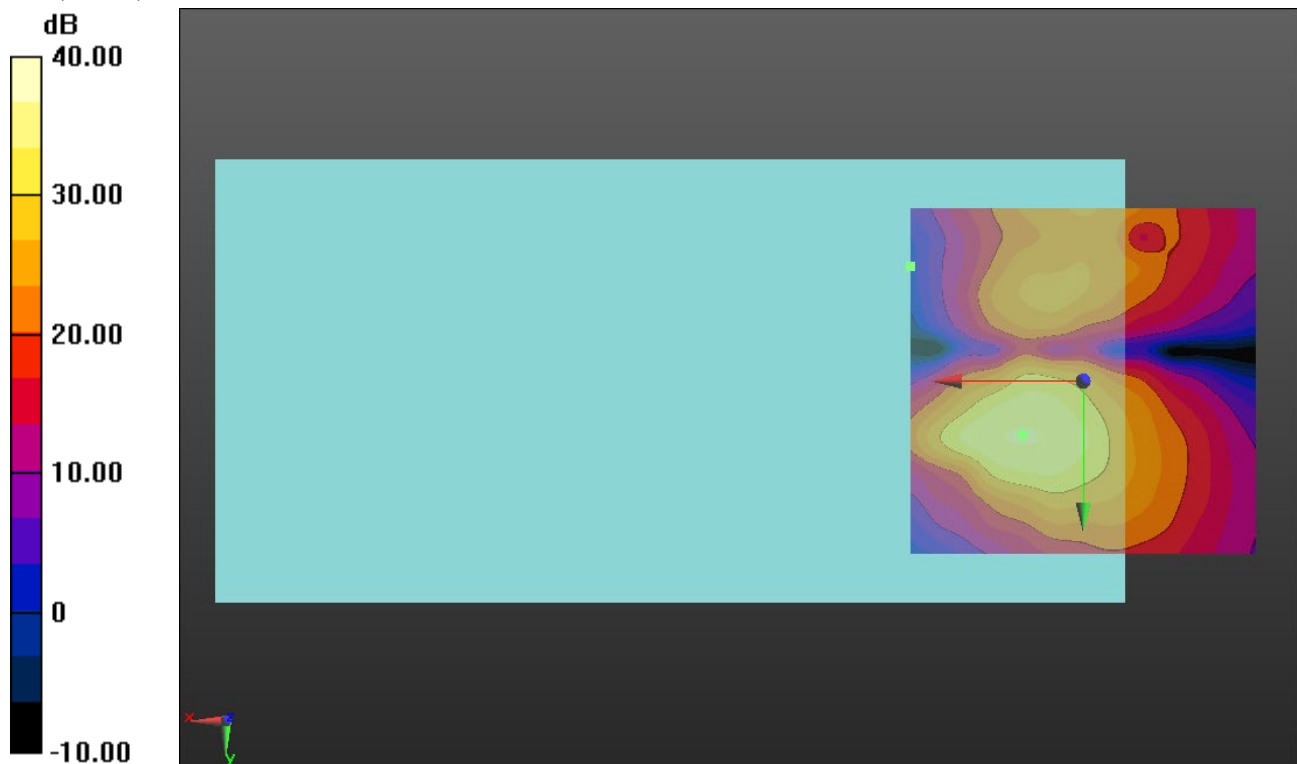
ABM1 comp = -4.85 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, 7.9, 3.7 mm

ABM2 = -19.83 dBA/m

Location: 25, -16.7, 3.7 mm



LTE Band 14

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 793 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 QPSK_RB 1/49_10 MHz_Ch 23330_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

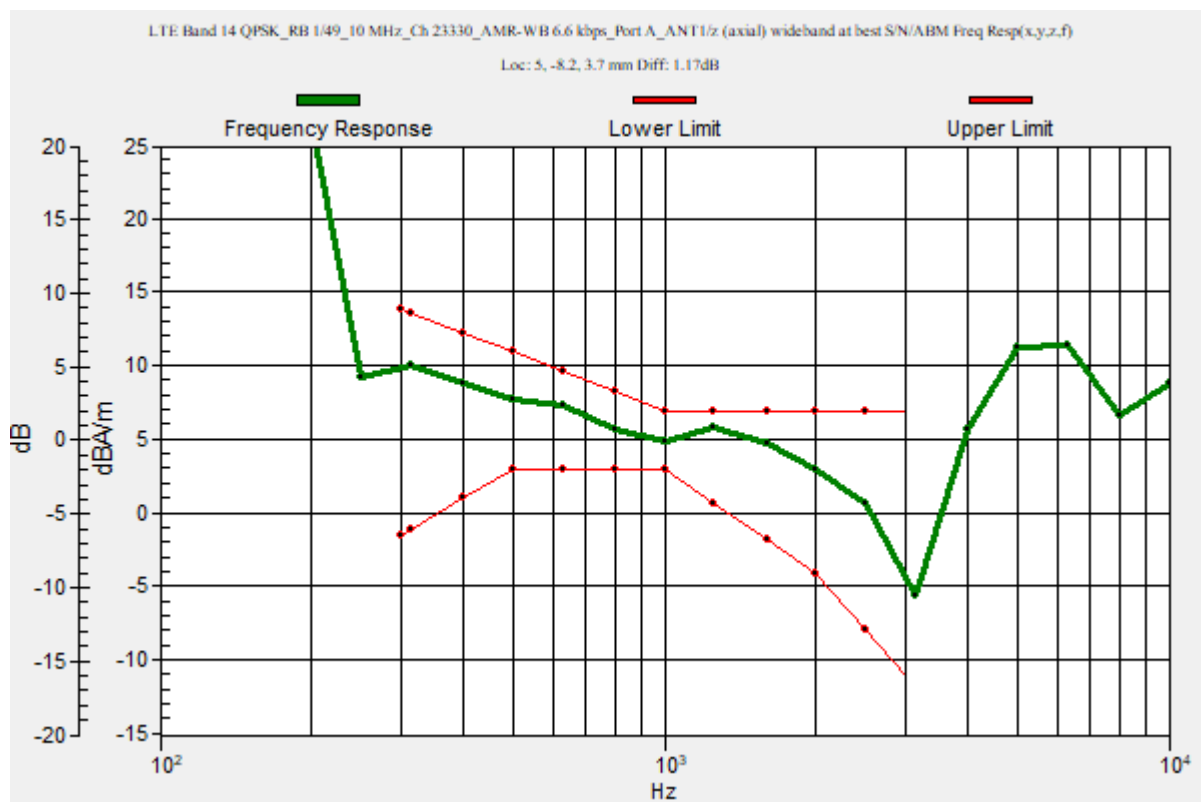
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.17 dB

BWC Factor = 10.80 dB

Location: 5, -8.2, 3.7 mm



LTE Band 14

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 793 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)/LTE Band 14 QPSK_RB 1/49_10 MHz_Ch 23330_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 = 42.68 dB

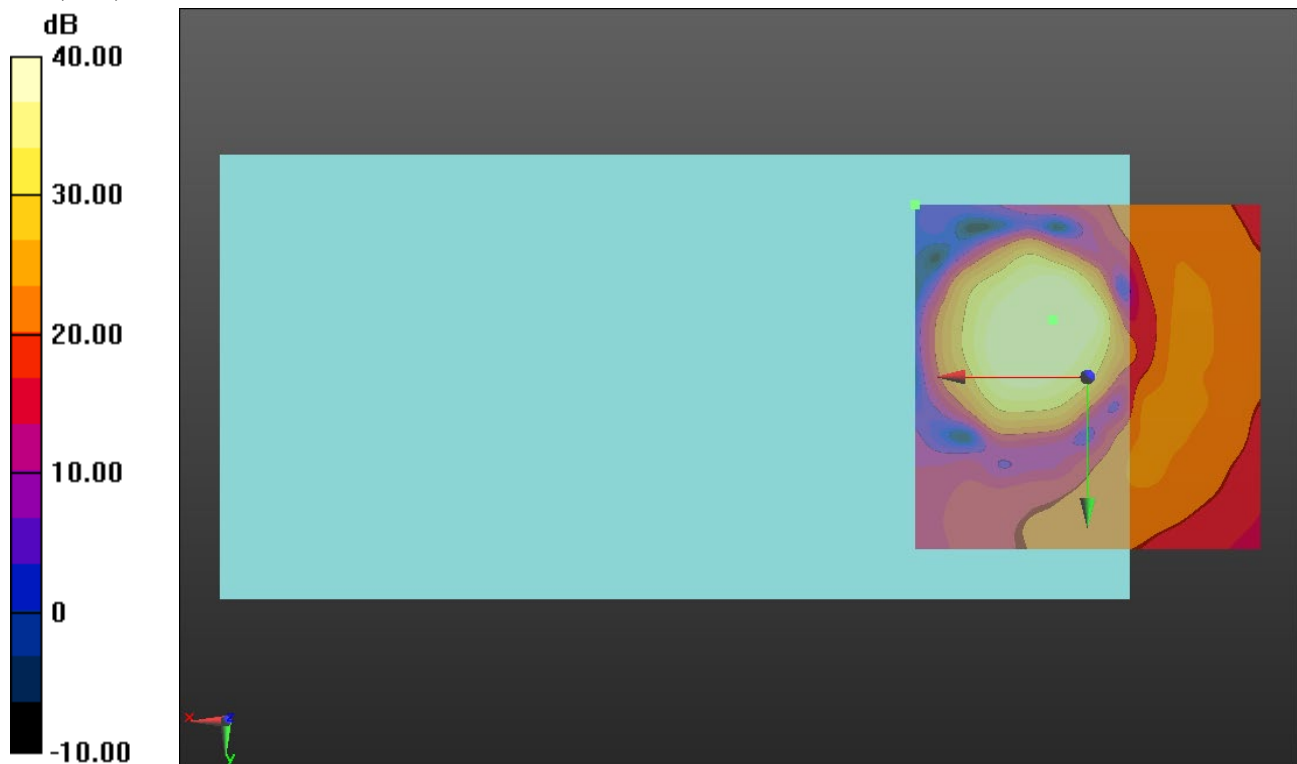
ABM1 comp = 2.64 dBA/m

BWC Factor = 0.16 dB

Location: 5, -8.3, 3.7 mm

ABM2 = -30.14 dBA/m

Location: 25, -25, 3.7 mm



LTE Band 14

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 793 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)/LTE Band 14 QPSK_RB 1/49_10 MHz_Ch 23330_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 = 43.48 dB

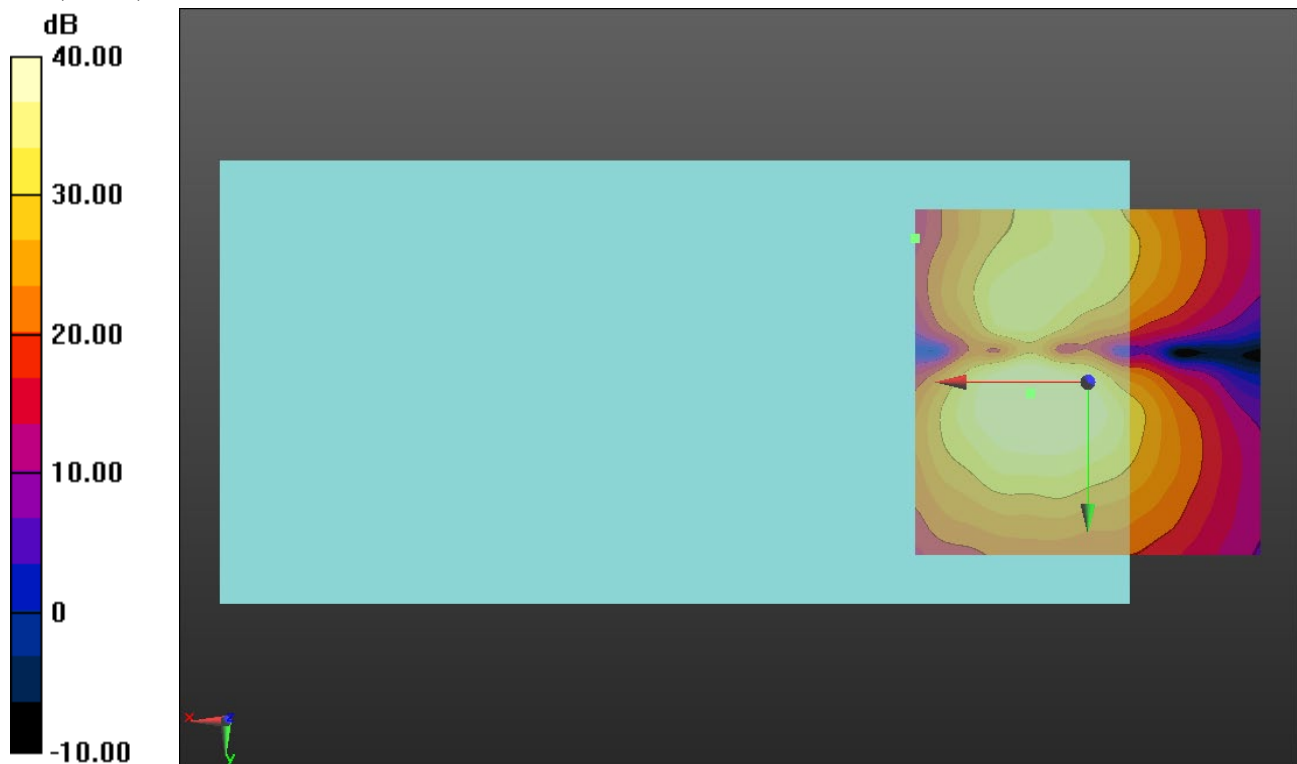
ABM1 comp = -2.24 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 1.7, 3.7 mm

ABM2 = -33.91 dBA/m

Location: 25, -20.8, 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_RB 1/49_10 MHz_Ch 23790_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

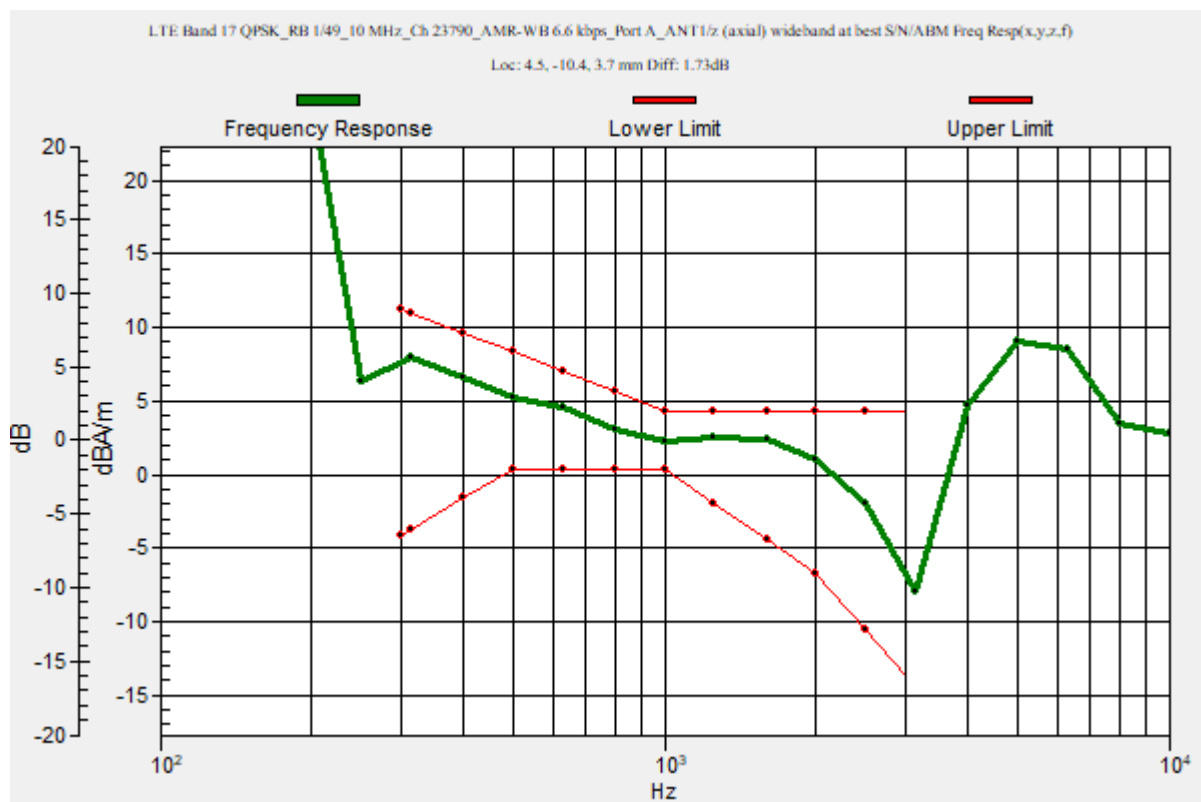
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.73 dB

BWC Factor = 10.80 dB

Location: 4.5, -10.4, 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 - 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 17 QPSK_RB 1/49_10 MHz_Ch 23790_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 = 42.46 dB

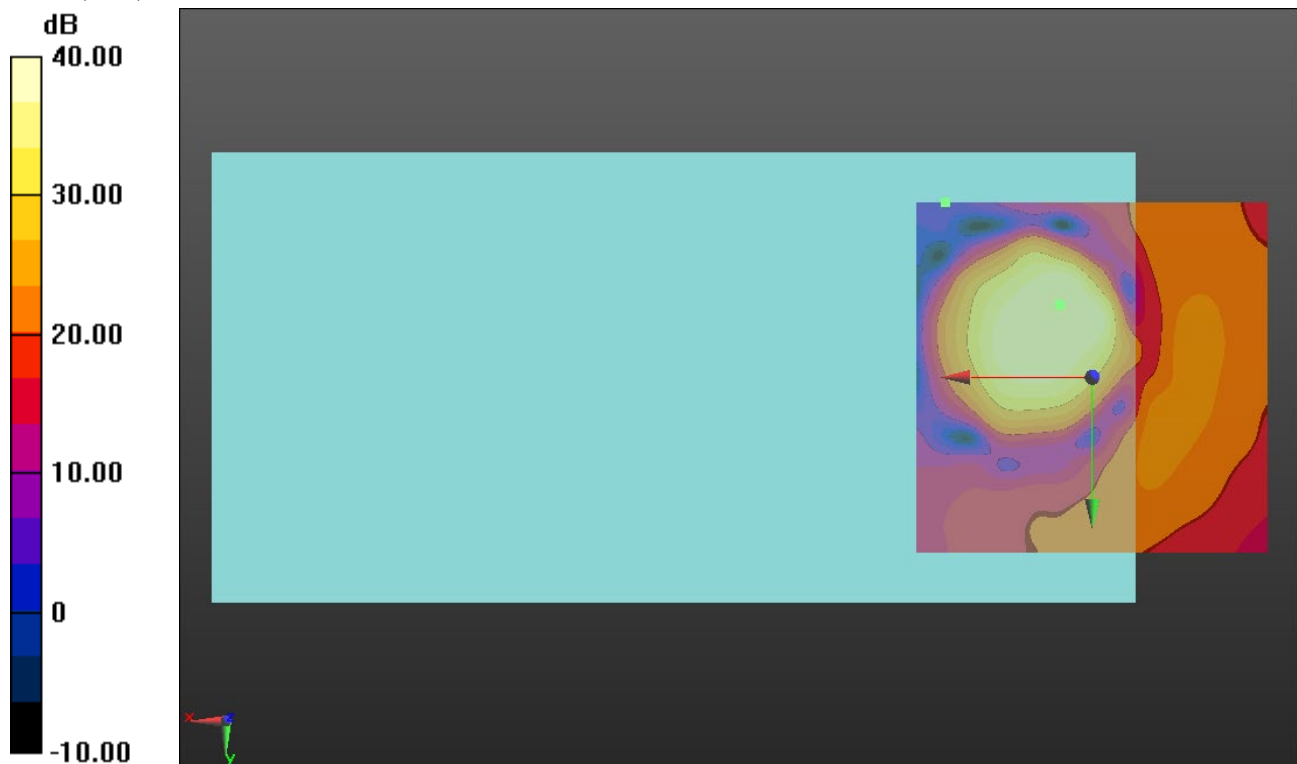
ABM1 comp = 0.29 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -10.4, 3.7 mm

ABM2 = -30.38 dBA/m

Location: 20.8, -25, 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 - 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 17 QPSK_RB 1/49_10 MHz_Ch 23790_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 = 43.73 dB

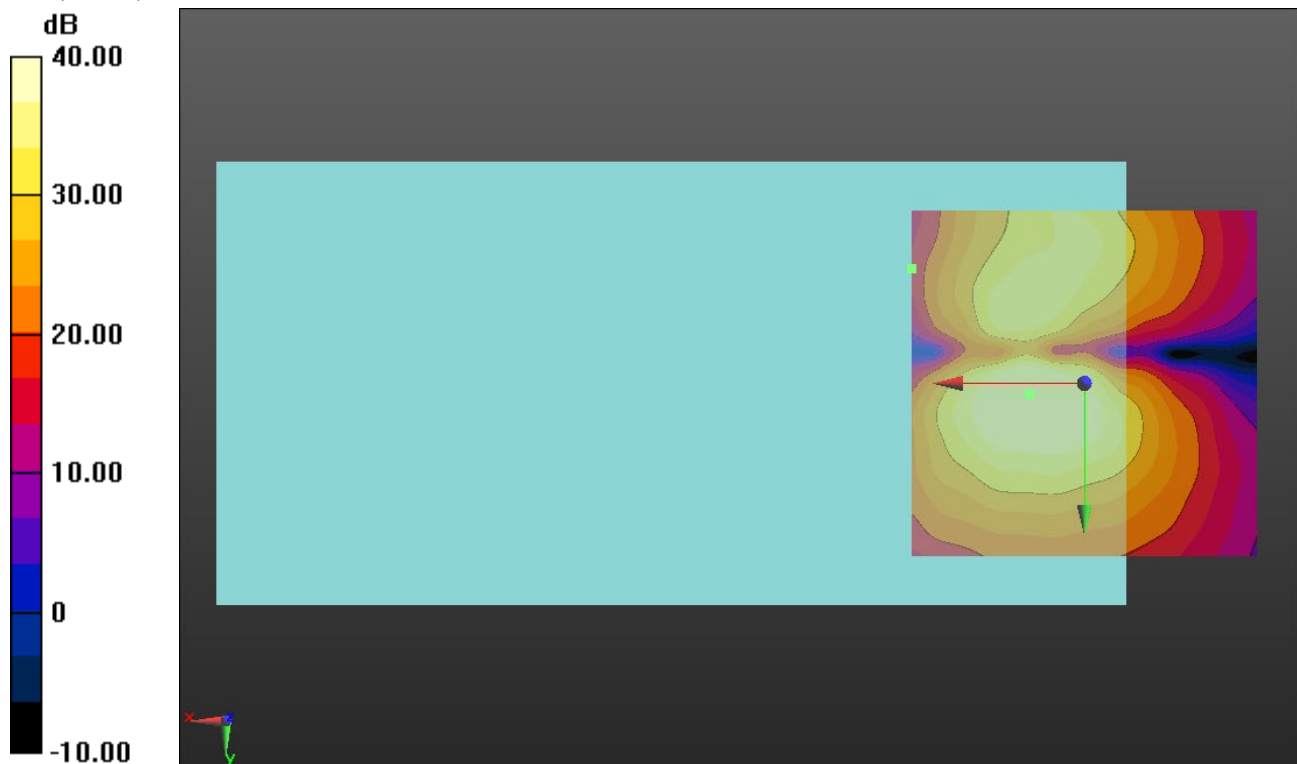
ABM1 comp = -1.96 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 1.7, 3.7 mm

ABM2 = -34.85 dBA/m

Location: 25, -16.7, 3.7 mm



LTE Band 25

Communication System: UID 0, 1@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 1/99_20 MHz_Ch 26365_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

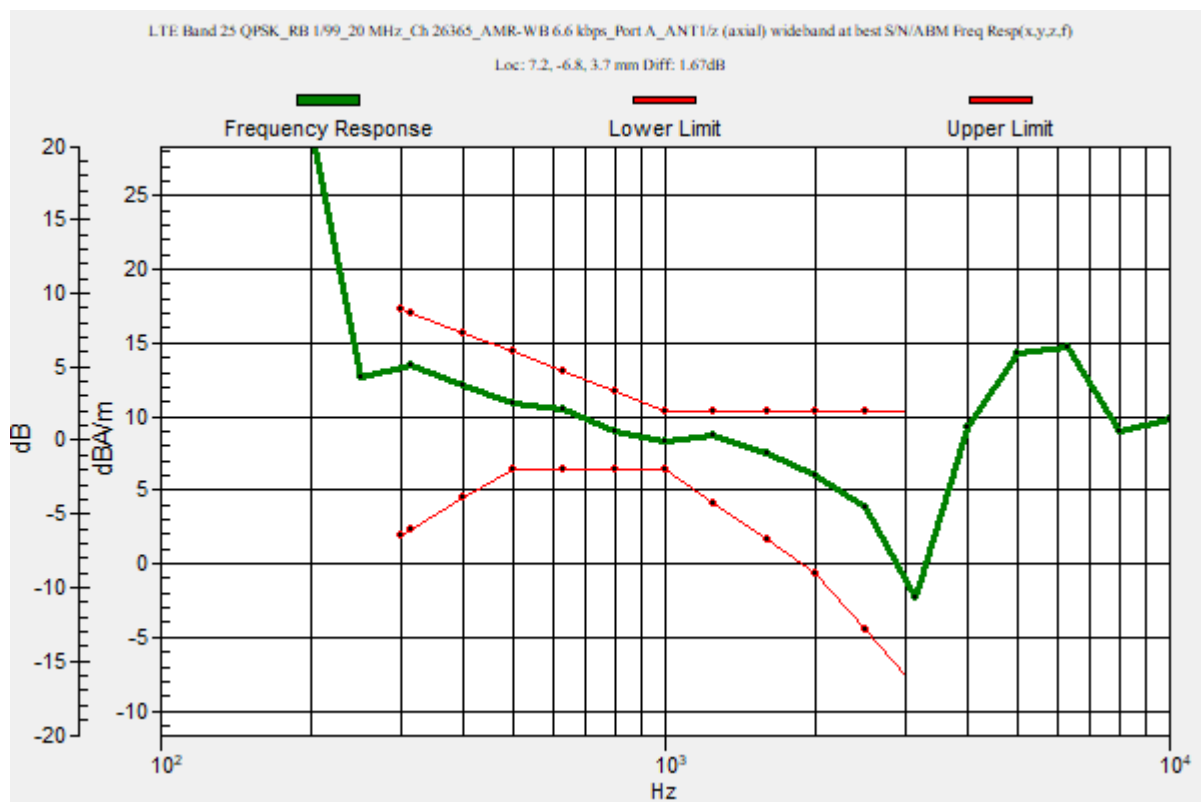
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.67 dB

BWC Factor = 10.80 dB

Location: 7.2, -6.8, 3.7 mm



LTE Band 25

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1882.5 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)/LTE Band 25 QPSK_RB 1/99_20 MHz_Ch 26365_AMR-WB 6.6 kbps_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: 24.07

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.00 dB

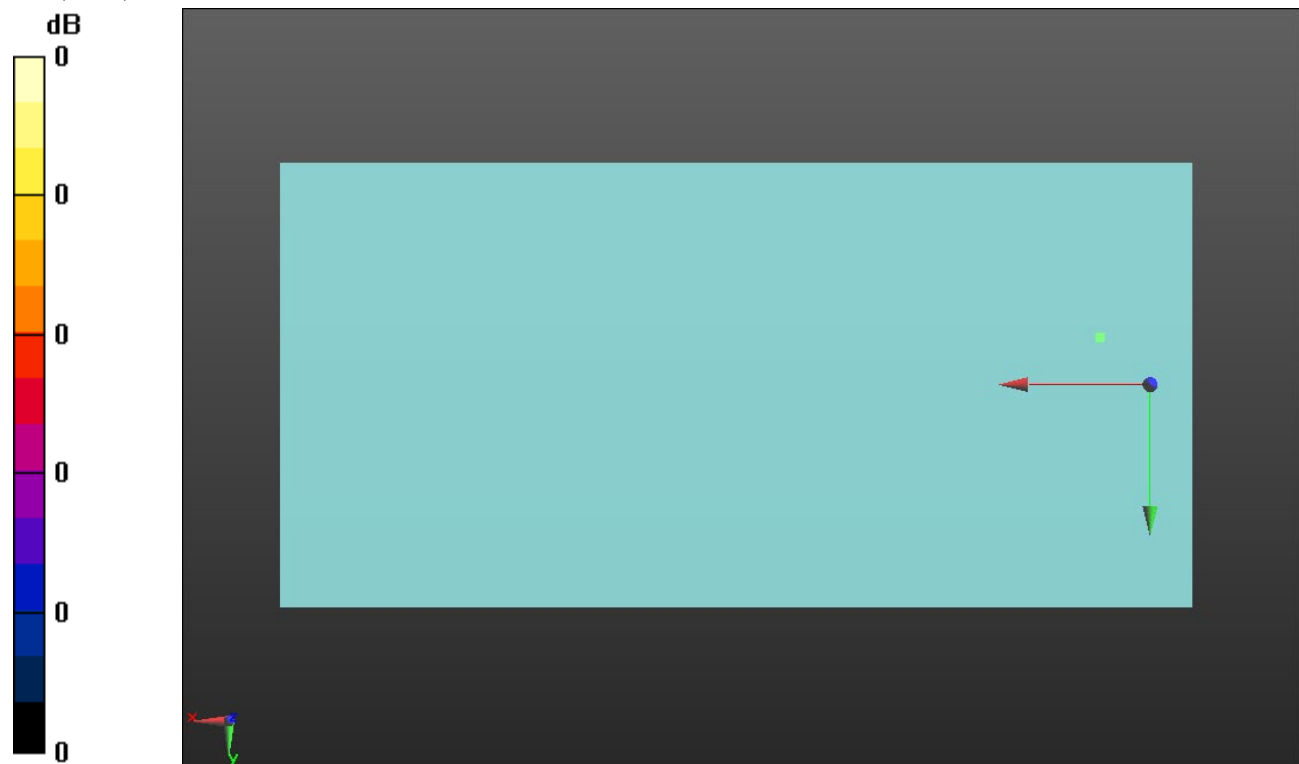
ABM1 comp = 6.91 dBA/m

BWC Factor = 0.16 dB

Location: 7.2, -6.8, 3.7 mm

ABM2 = -35.08 dBA/m

Location: 7.2, -6.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

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_RB 1/37_15 MHz_Ch 26865_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

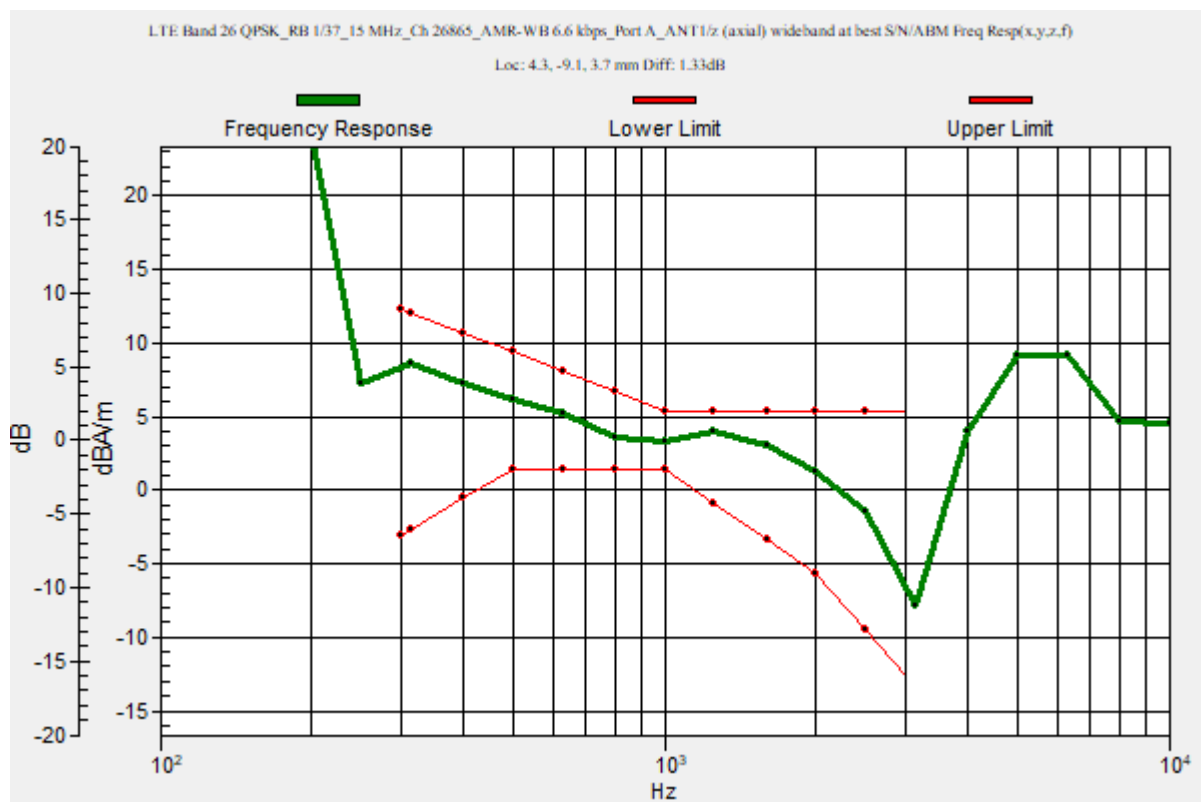
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.33 dB

BWC Factor = 10.80 dB

Location: 4.3, -9.1, 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 - 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 26 QPSK_RB 1/37_15 MHz_Ch 26865_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 = 42.37 dB

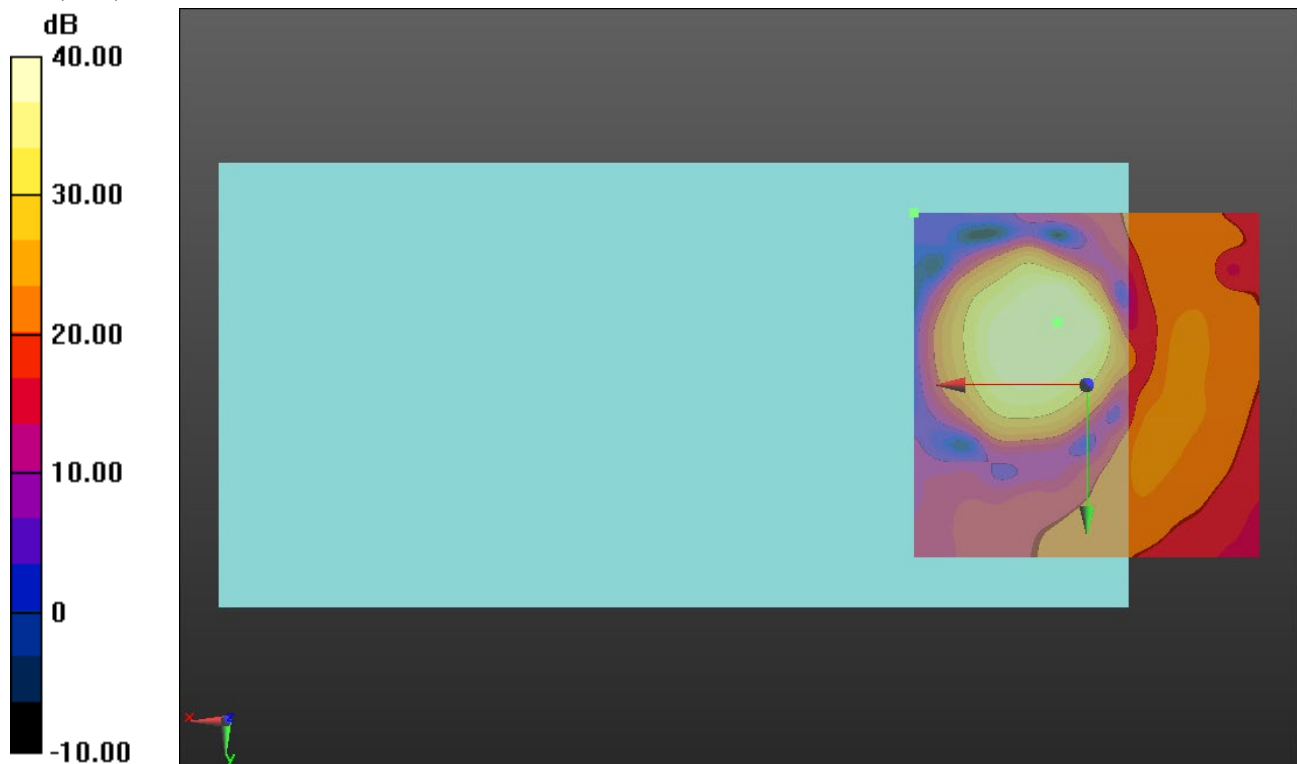
ABM1 comp = 0.69 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -9.2, 3.7 mm

ABM2 = -30.23 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

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 - 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 26 QPSK_RB 1/37_15 MHz_Ch 26865_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 = 42.08 dB

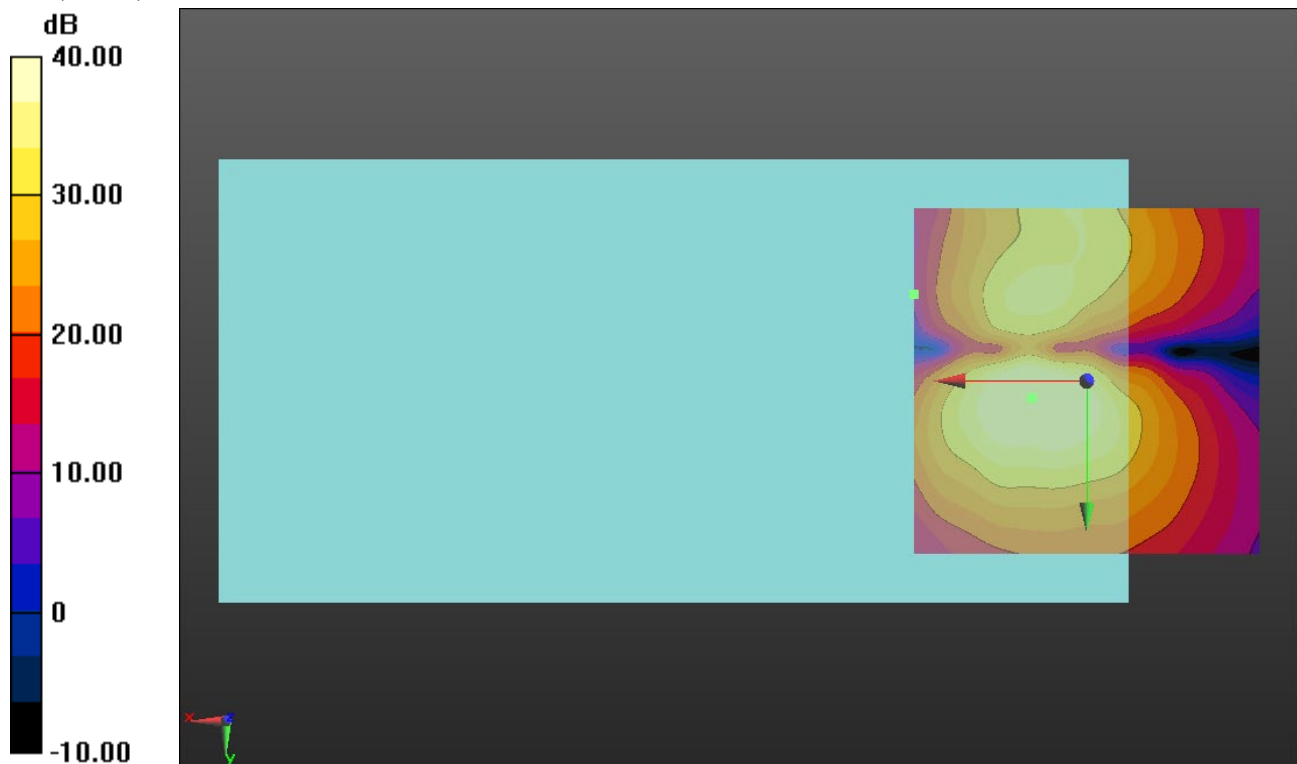
ABM1 comp = -2.41 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 2.5, 3.7 mm

ABM2 = -30.19 dBA/m

Location: 25, -12.5, 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_RB 1/49_10 MHz_Ch 27710_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

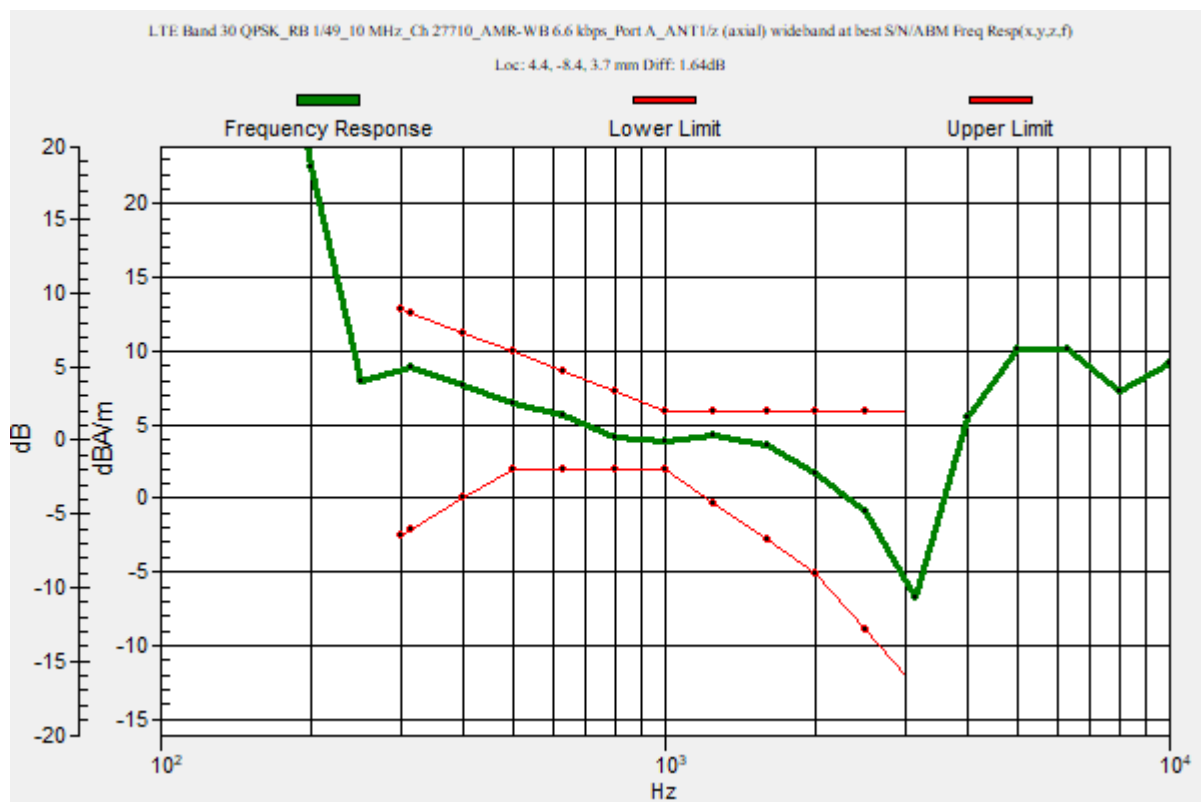
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.64 dB

BWC Factor = 10.80 dB

Location: 4.4, -8.4, 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 - 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 30 QPSK_RB 1/49_10 MHz_Ch 27710_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 = 42.13 dB

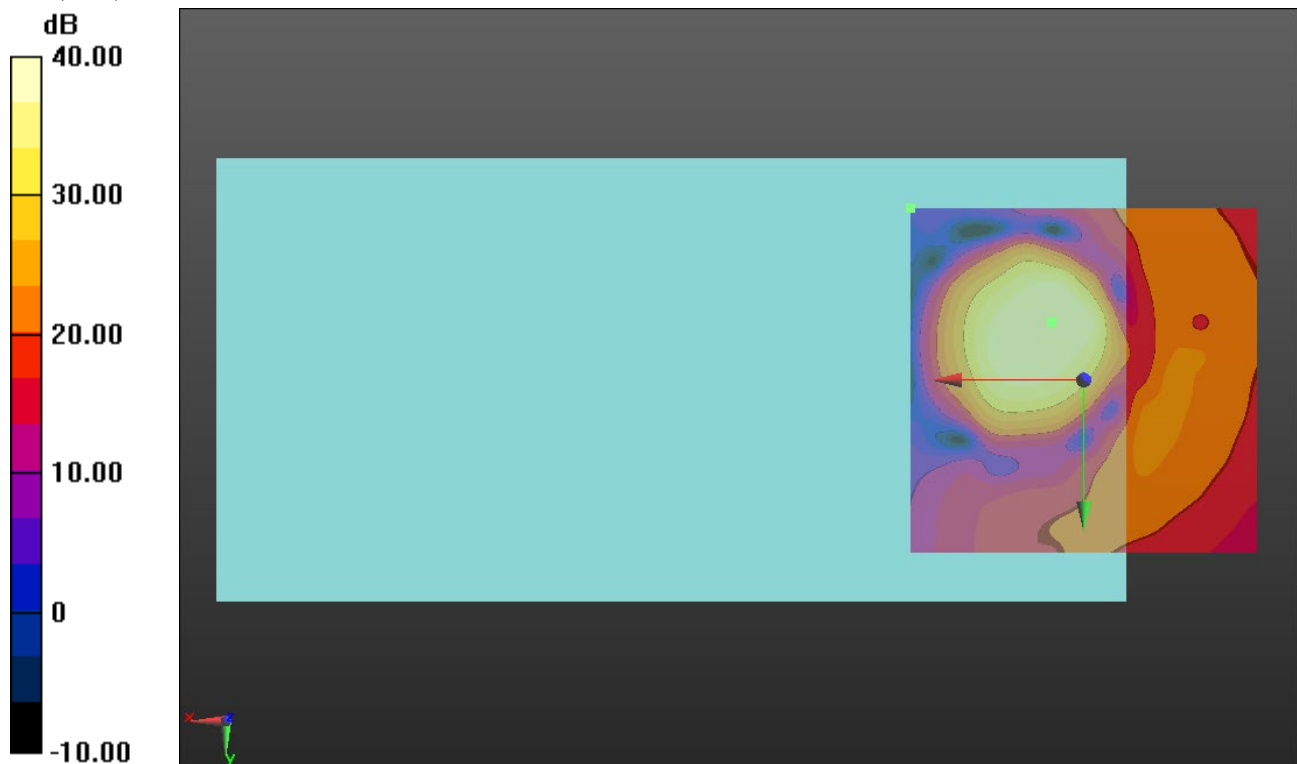
ABM1 comp = 1.89 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -8.3, 3.7 mm

ABM2 = -30.10 dBA/m

Location: 25, -25, 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 - 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 30 QPSK_RB 1/49_10 MHz_Ch 27710_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 = 43.99 dB

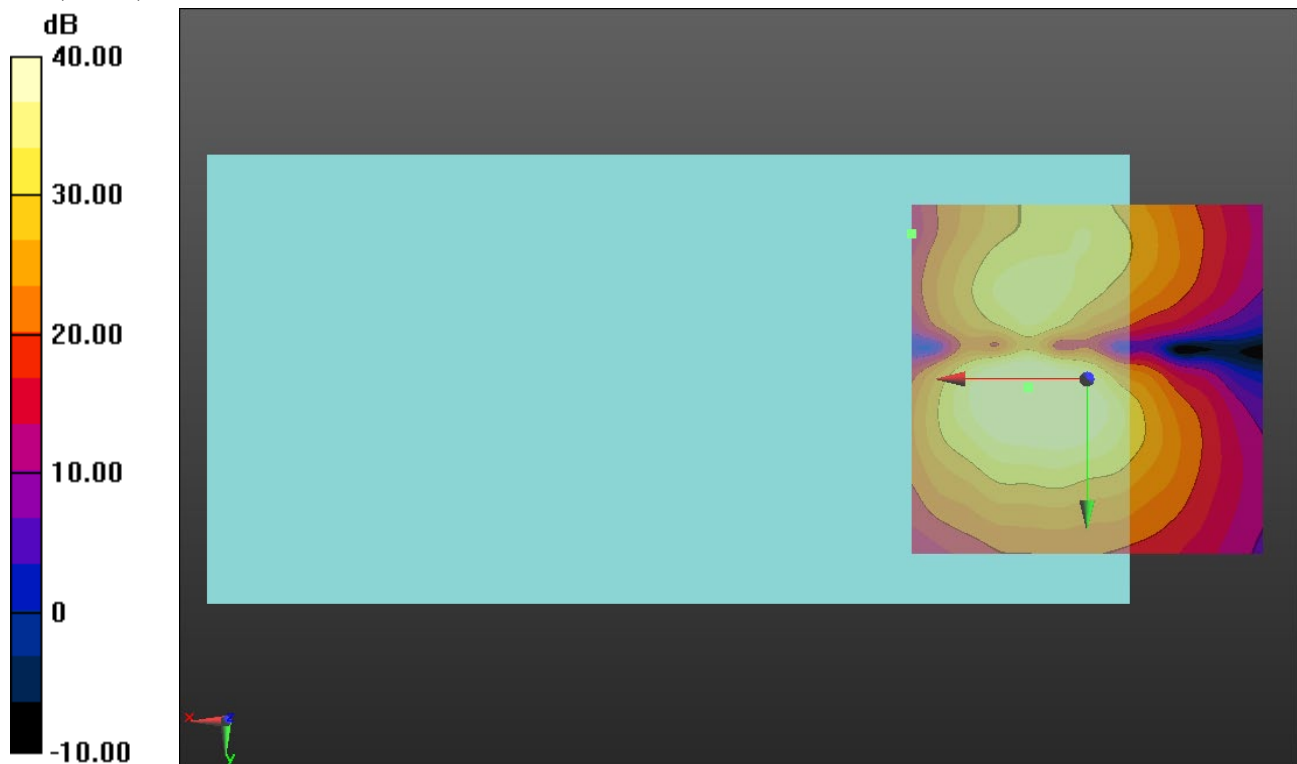
ABM1 comp = -2.79 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 1.2, 3.7 mm

ABM2 = -33.60 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2636.5 MHz;Duty Cycle: 1:1.59956

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 QPSK_RB 1/49_20 MHz_Ch 41055_AMR-NB 4.75 kbps_Port D_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

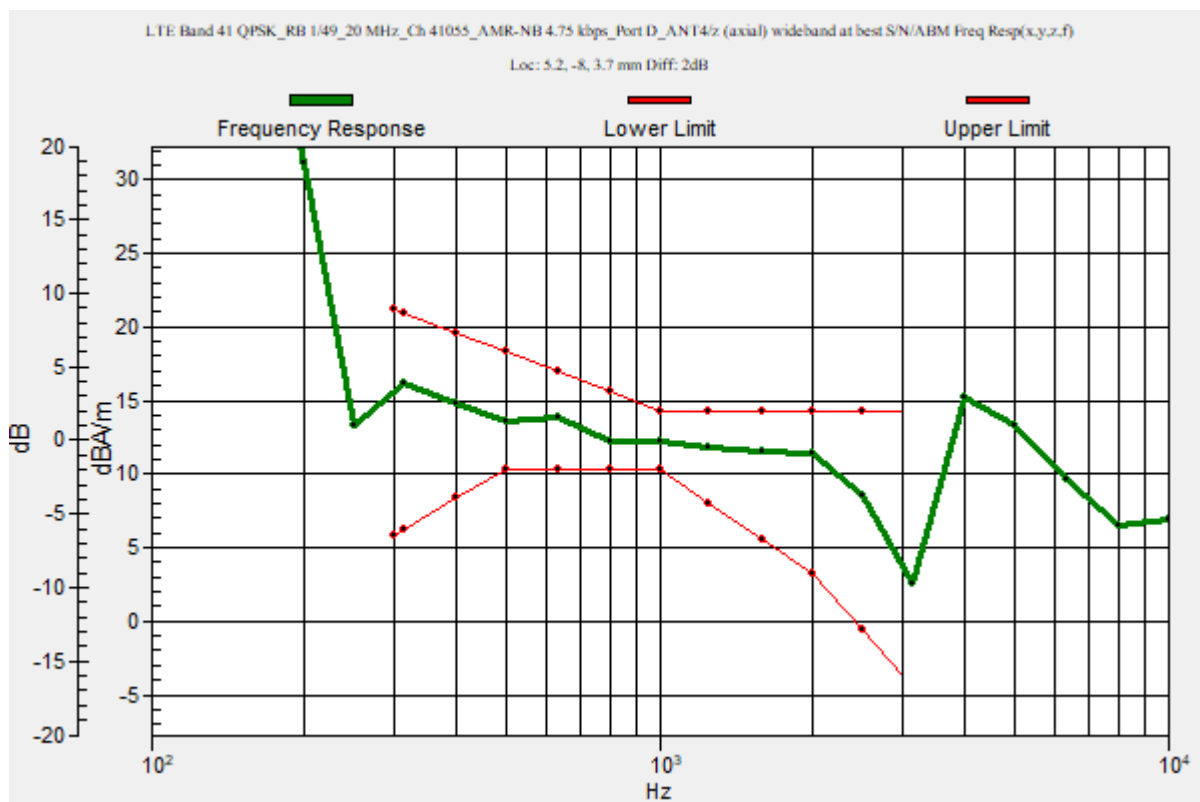
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 5.2, -8, 3.7 mm



LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2636.5 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 QPSK_RB 1/49_20 MHz_Ch 41055_AMR-NB 4.75 kbps_Port D_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: 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 = 46.35 dB

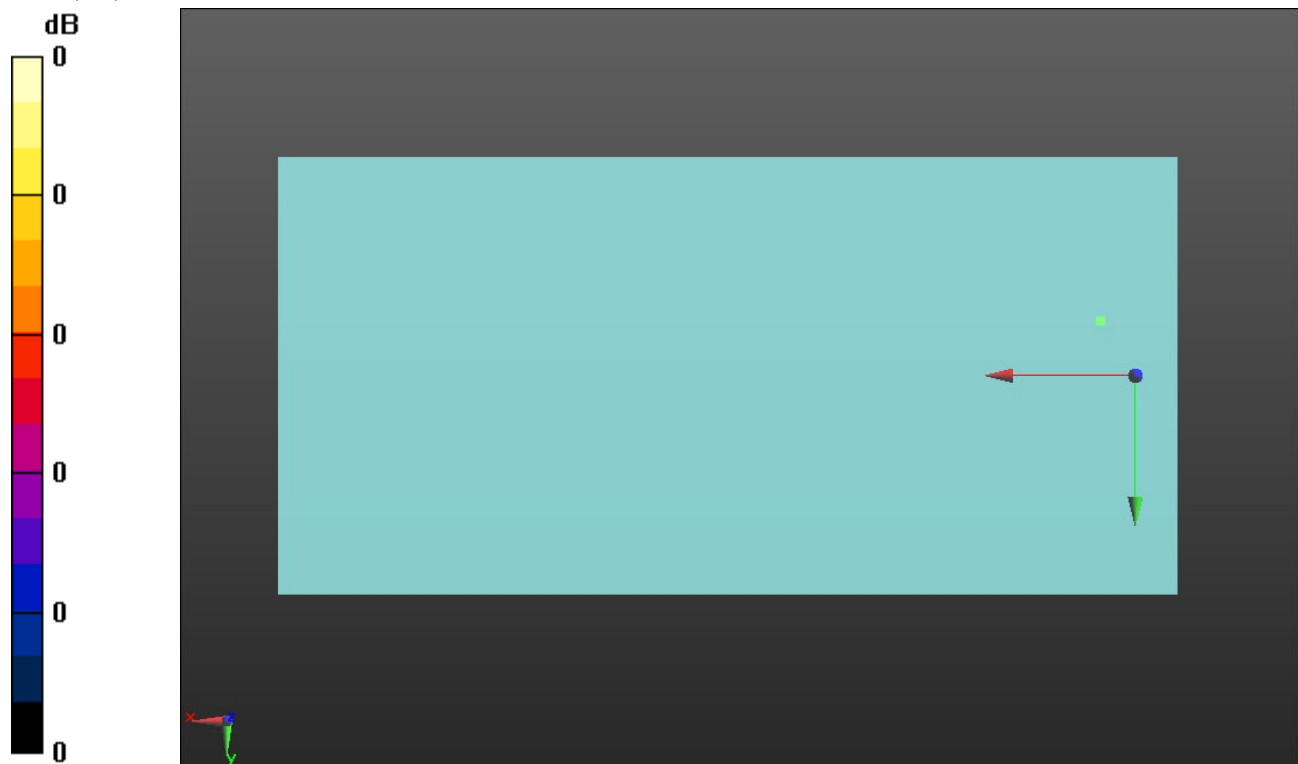
ABM1 comp = 11.43 dBA/m

BWC Factor = 0.16 dB

Location: 5.2, -8, 3.7 mm

ABM2 = -34.92 dBA/m

Location: 5.2, -8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2636.5 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 QPSK_RB 1/49_20 MHz_Ch 41055_AMR-NB 4.75 kbps_Port D_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: 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 = 39.31 dB

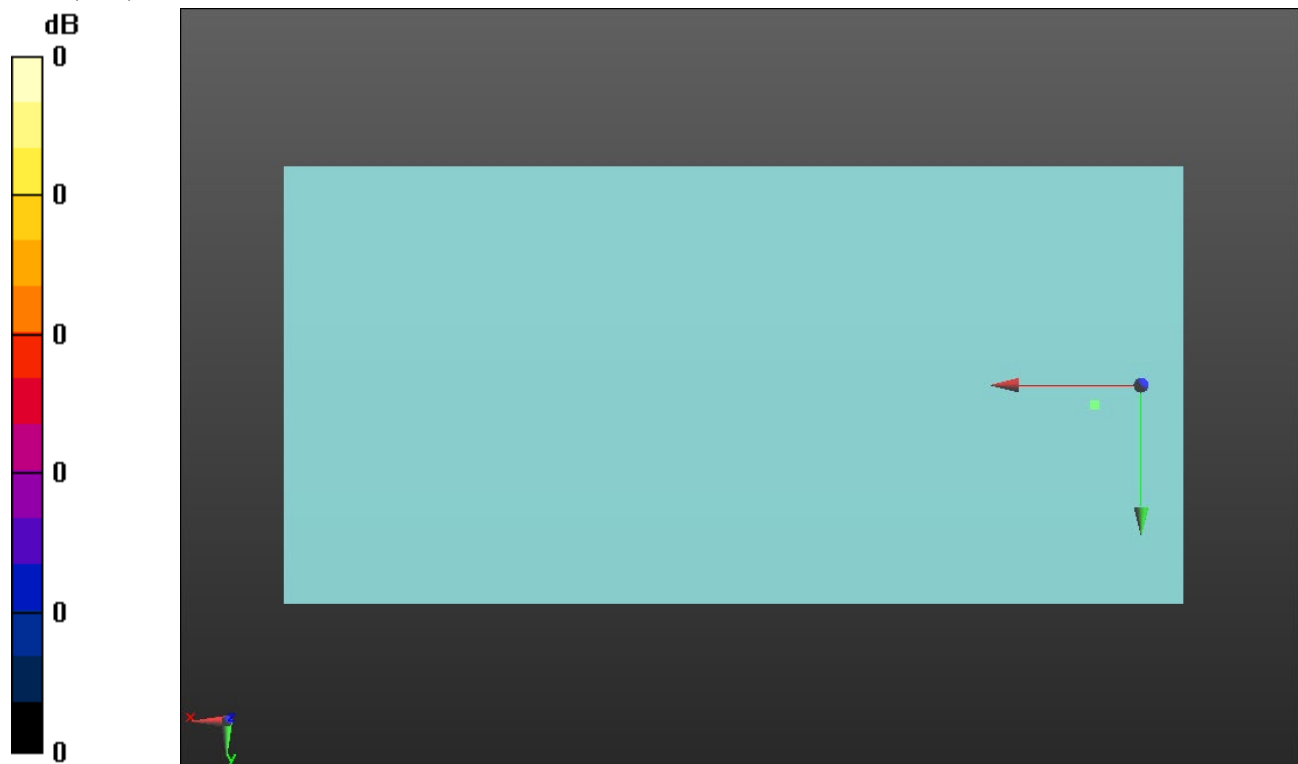
ABM1 comp = 5.46 dBA/m

BWC Factor = 0.16 dB

Location: 6.8, 2.9, 3.7 mm

ABM2 = -33.85 dBA/m

Location: 6.8, 2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3690 MHz;Duty Cycle: 1:1.59956

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 QPSK_RB 1/49_20 MHz_Ch 56640_AMR-NB 4.75 kbps_Port D_ANT8/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

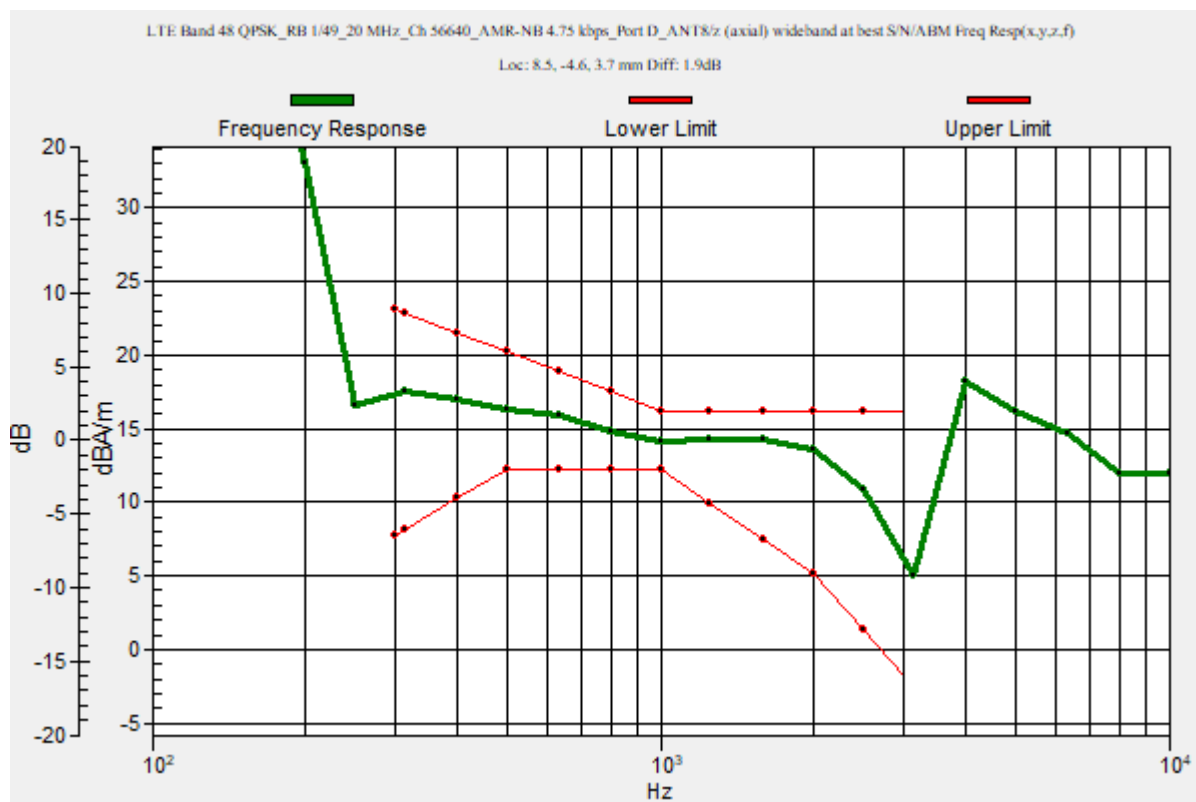
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.90 dB

BWC Factor = 10.80 dB

Location: 8.5, -4.6, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3690 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 QPSK_RB 1/49_20 MHz_Ch 56640_AMR-NB 4.75 kbps_Port D_ANT8/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 = 45.90 dB

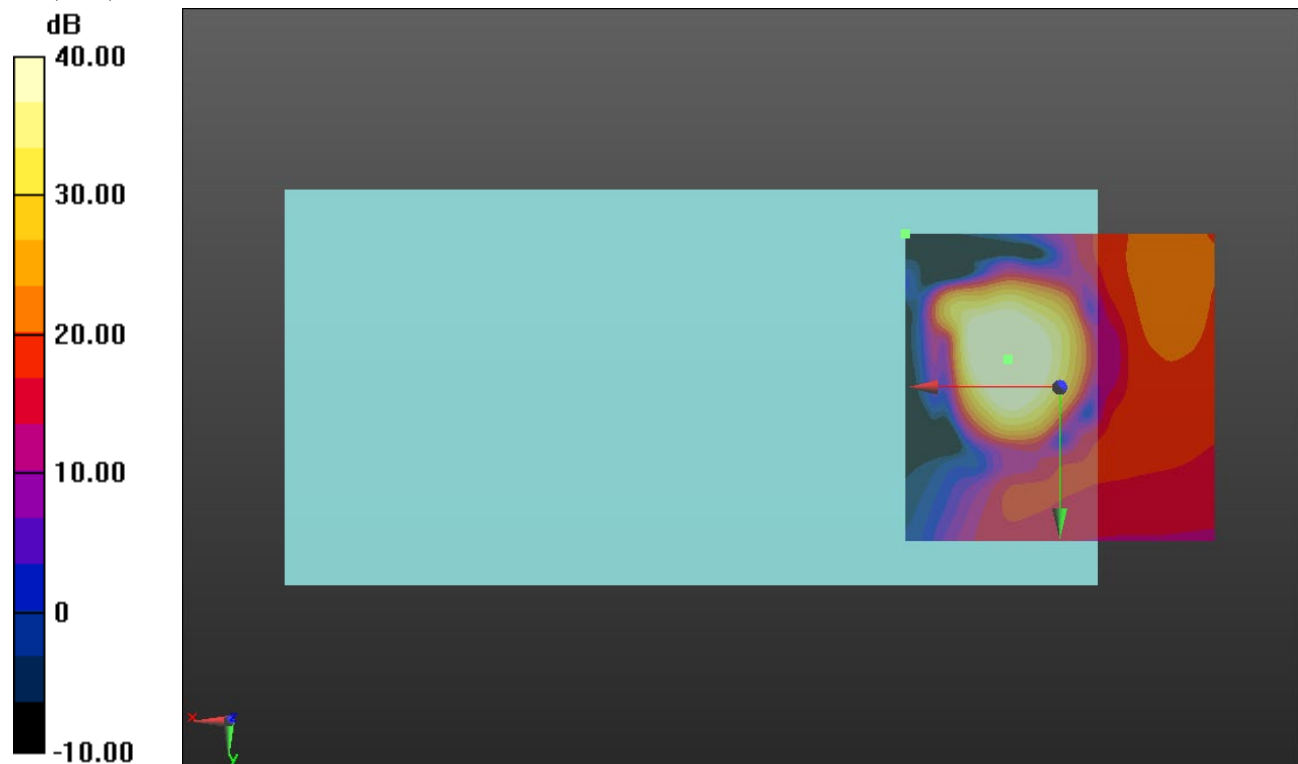
ABM1 comp = 13.57 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -4.6, 3.7 mm

ABM2 = -10.14 dBA/m

Location: 25, -25, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3690 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 QPSK_RB 1/49_20 MHz_Ch 56640_AMR-NB 4.75 kbps_Port D_ANT8/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 = 40.08 dB

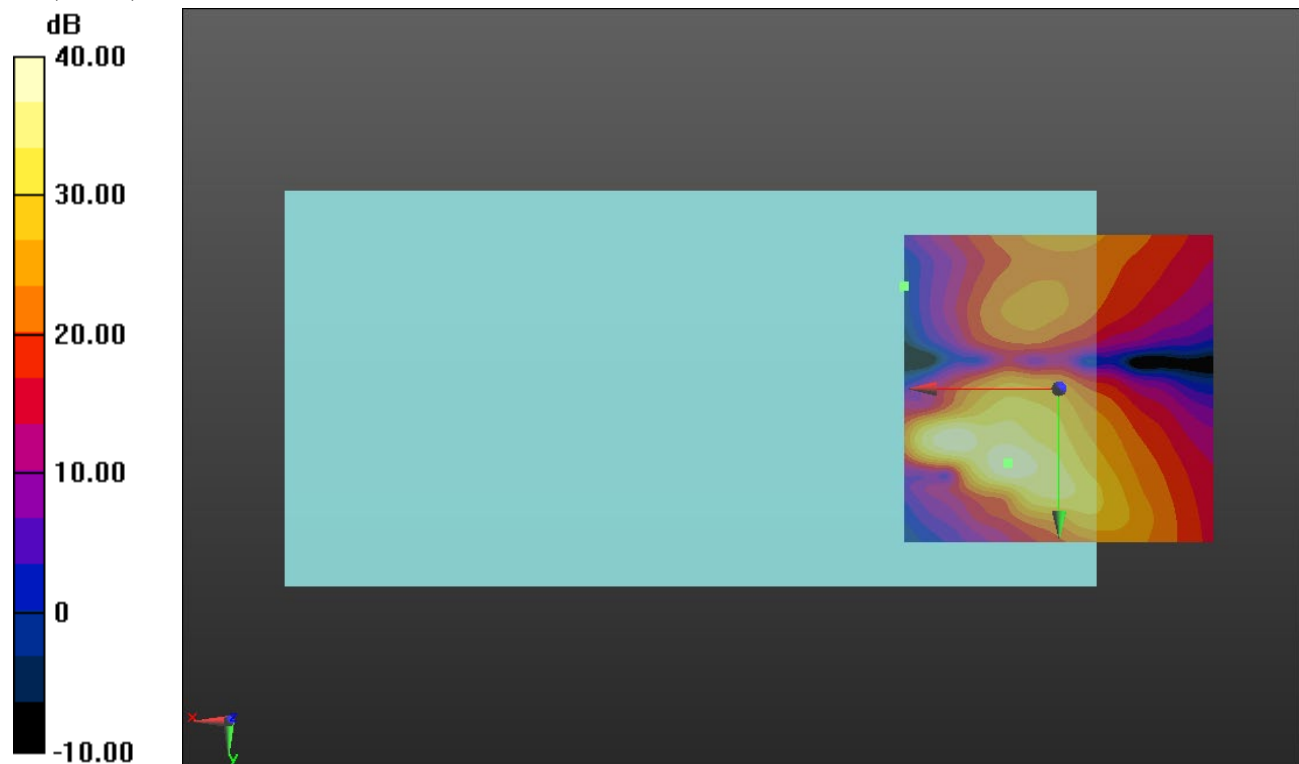
ABM1 comp = -2.76 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 12.1, 3.7 mm

ABM2 = -9.79 dBA/m

Location: 25, -16.7, 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_RB 1/99_20 MHz_Ch 132322_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

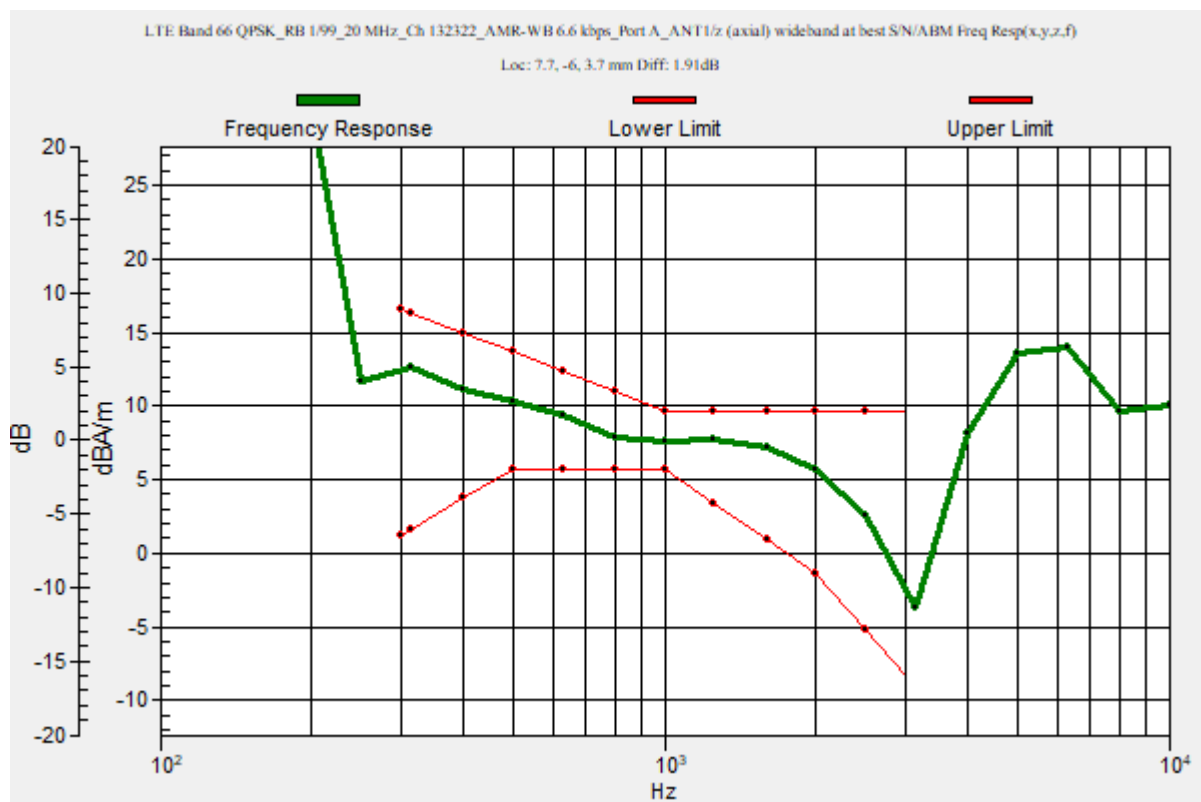
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.91 dB

BWC Factor = 10.80 dB

Location: 7.7, -6, 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 - 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 66 QPSK_RB 1/99_20 MHz_Ch 132322_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 = 41.78 dB

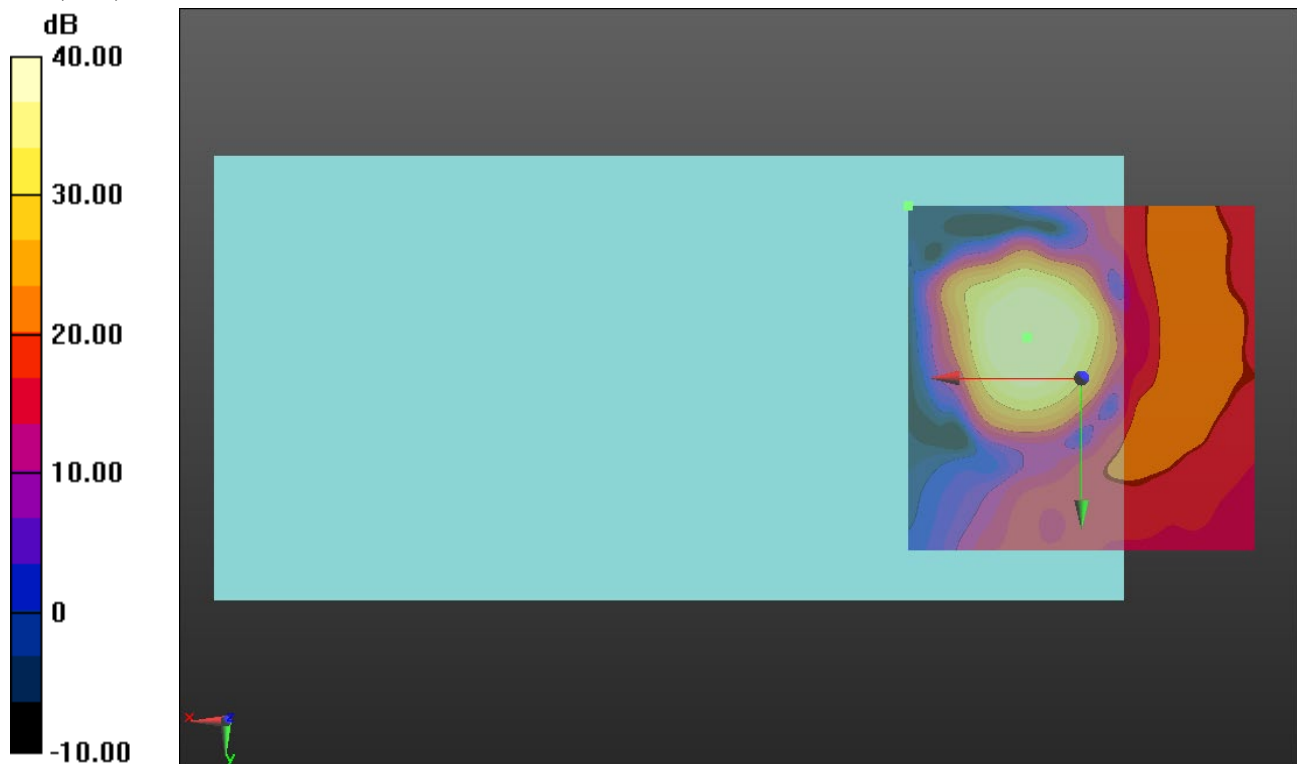
ABM1 comp = 6.47 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -5.8, 3.7 mm

ABM2 = -20.79 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 71

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 QPSK_RB 1/99_20 MHz_Ch 133297_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

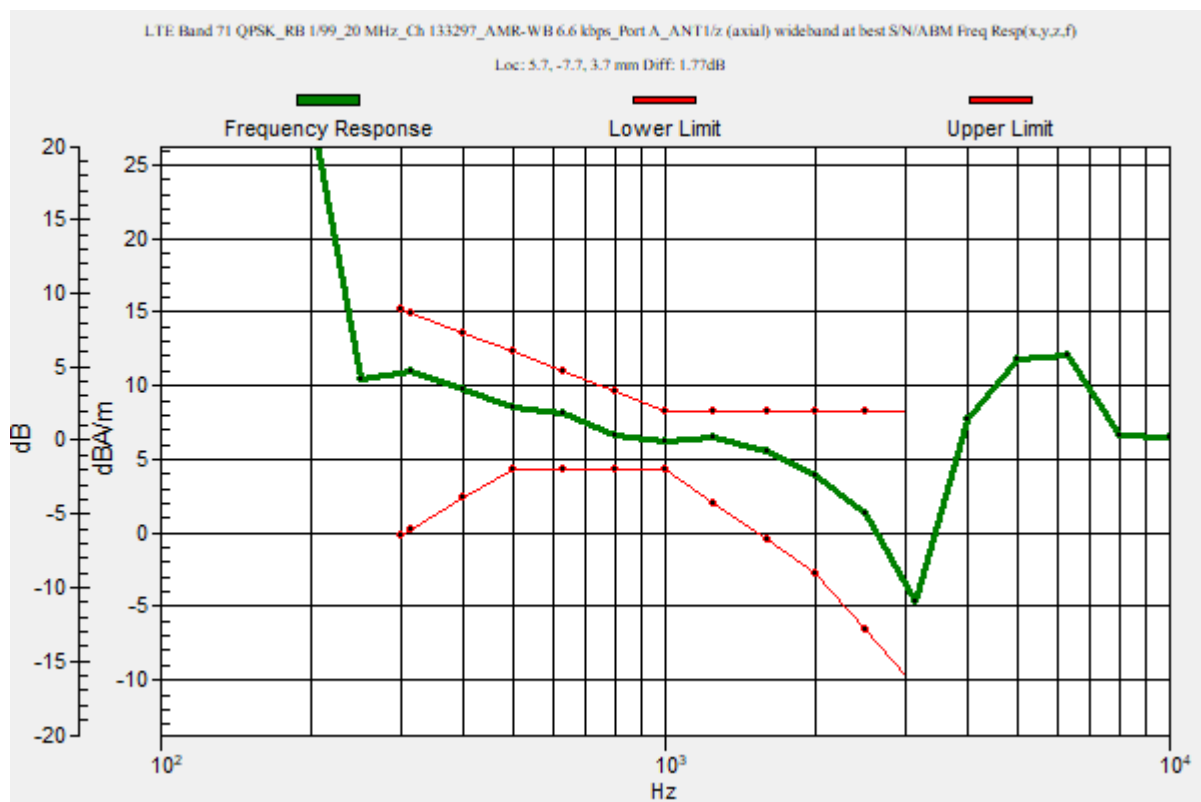
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.77 dB

BWC Factor = 10.80 dB

Location: 5.7, -7.7, 3.7 mm



LTE Band 71

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 680.5 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)/LTE Band 71 QPSK_RB 1/99_20 MHz_Ch 133297_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 = 41.44 dB

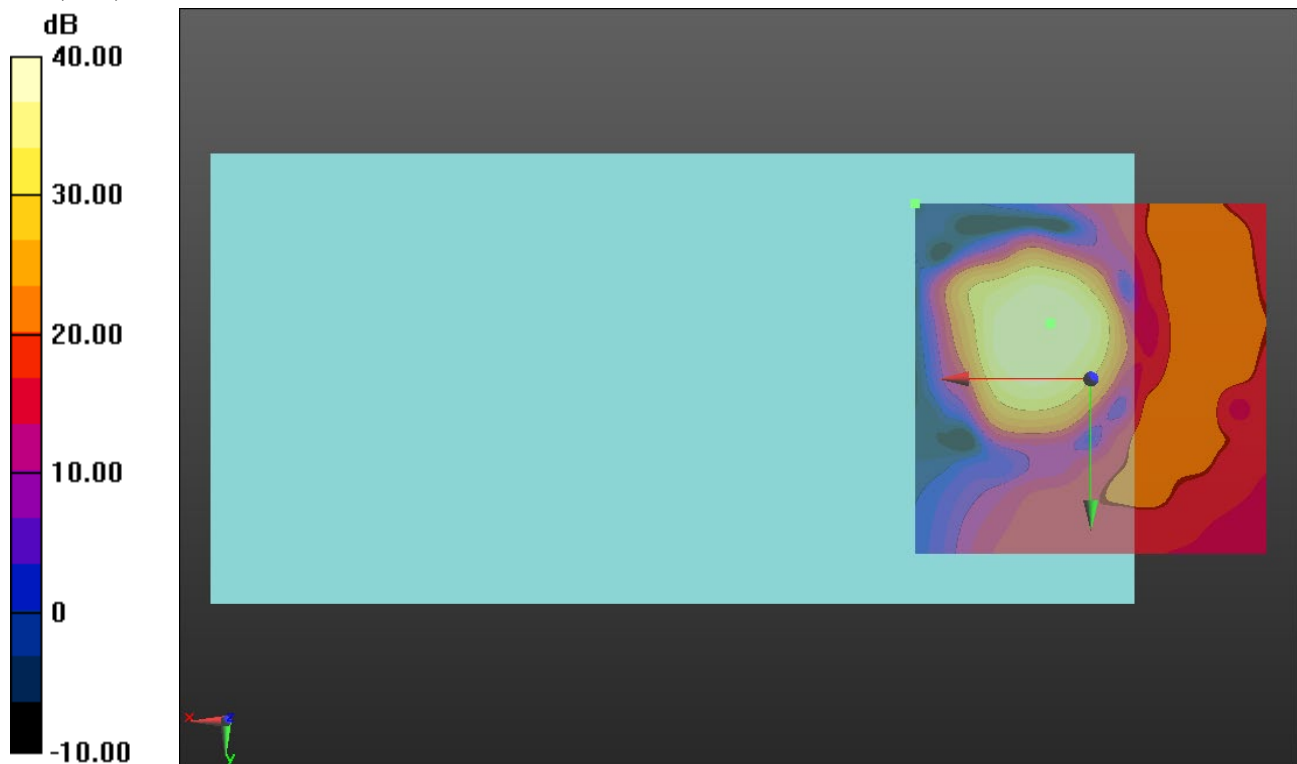
ABM1 comp = 3.75 dBA/m

BWC Factor = 0.16 dB

Location: 5.8, -7.9, 3.7 mm

ABM2 = -21.72 dBA/m

Location: 25, -25, 3.7 mm



LTE Band 71

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 680.5 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)/LTE Band 71 QPSK_RB 1/99_20 MHz_Ch 133297_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 = 37.76 dB

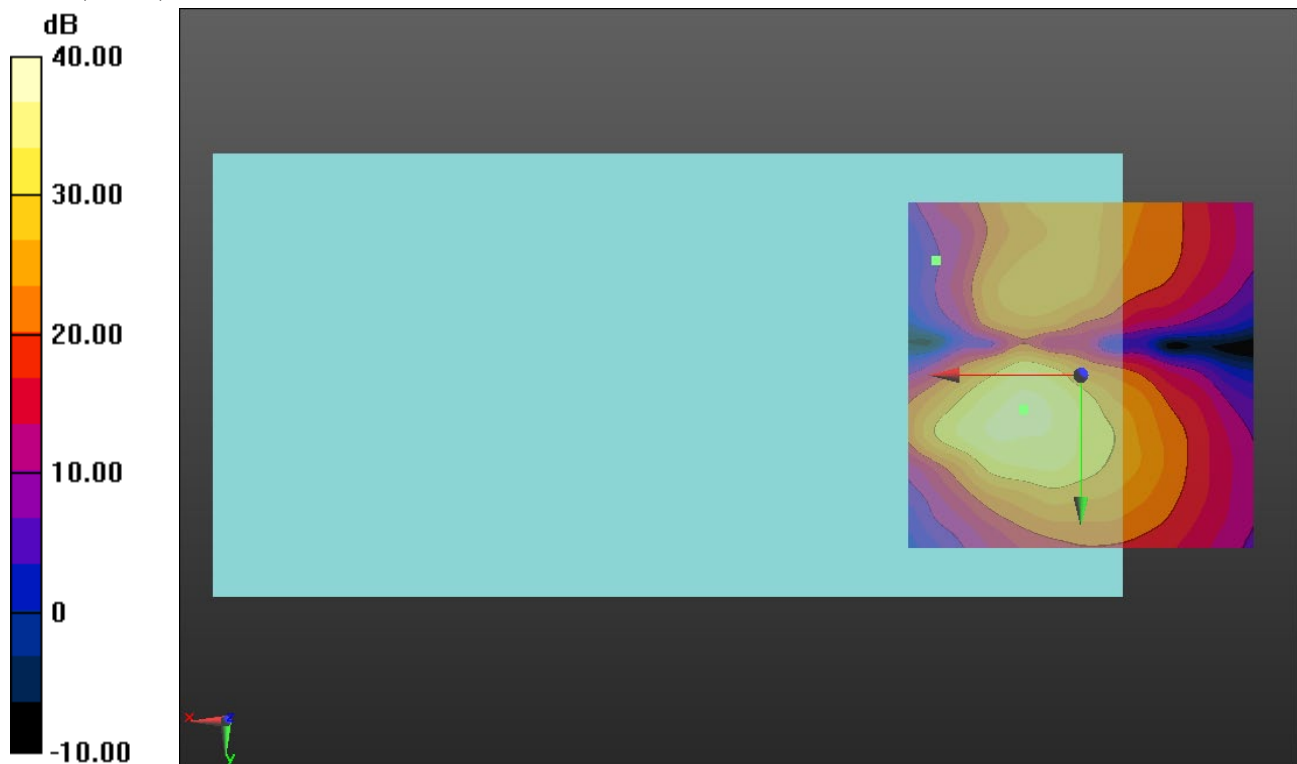
ABM1 comp = -2.80 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 5, 3.7 mm

ABM2 = -21.41 dBA/m

Location: 20.8, -16.7, 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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b_CCK 11 Mbps_Ch 6_AMR-WB: 23.85 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

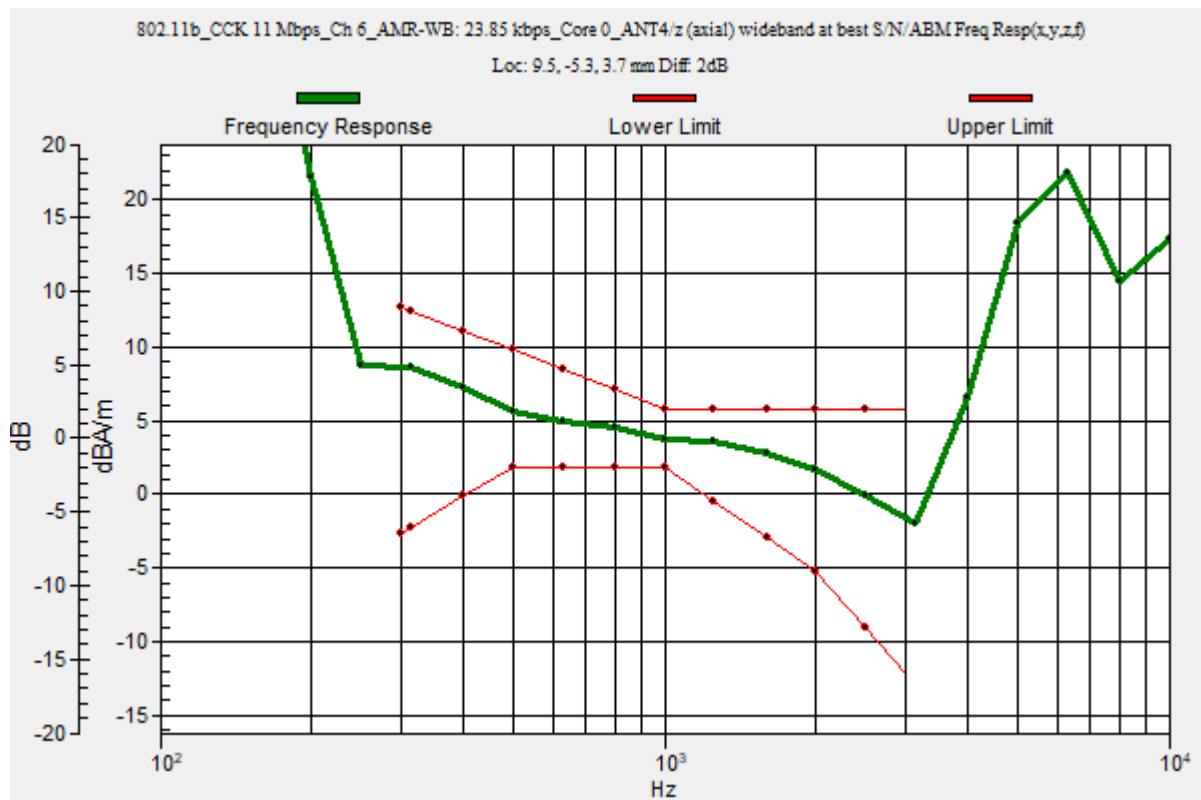
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 9.5, -5.3, 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_CCK 11 Mbps_Ch 6_AMR-WB: 23.85 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 = 32.35 dB

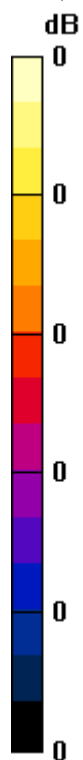
ABM1 comp = 4.08 dBA/m

BWC Factor = 0.16 dB

Location: 9.5, -5.3, 3.7 mm

ABM2 = -28.27 dBA/m

Location: 9.5, -5.3, 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_CCK 11 Mbps_Ch 6_AMR-WB: 23.85 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 = 41.24 dB

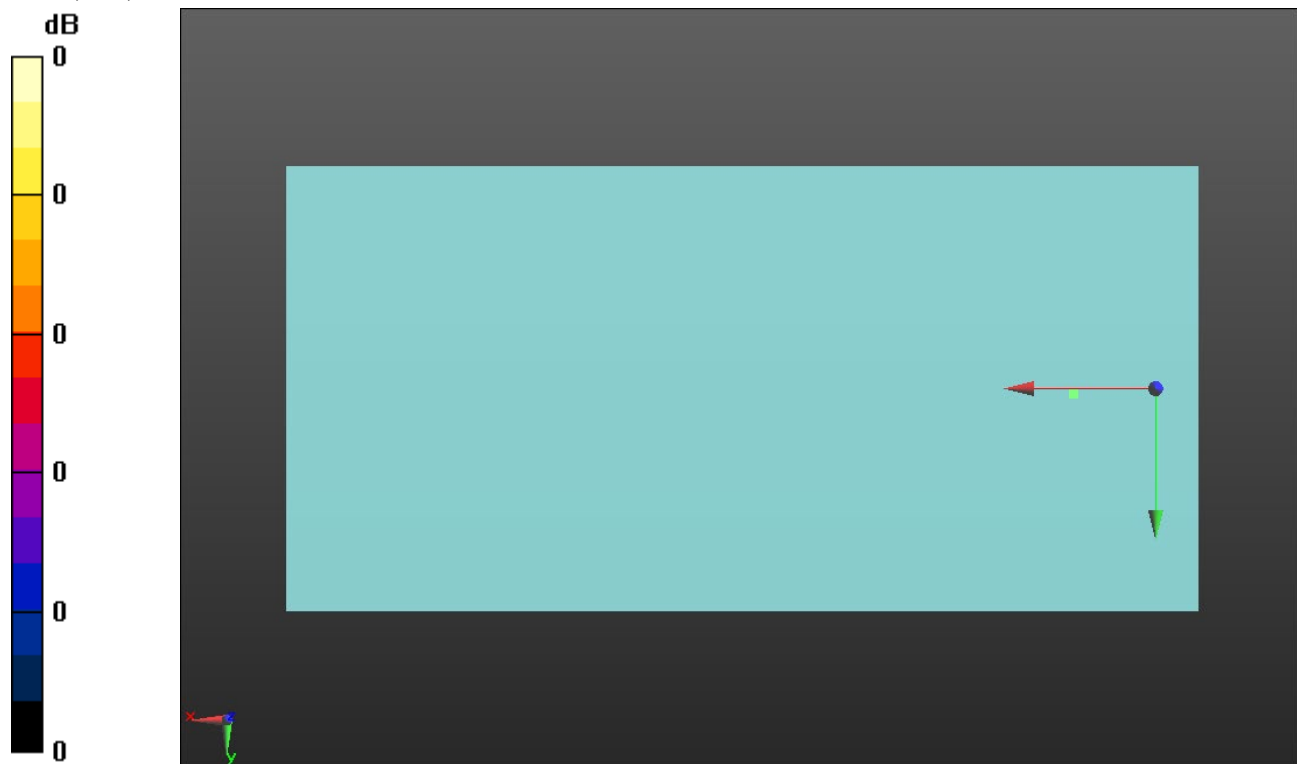
ABM1 comp = -7.10 dBA/m

BWC Factor = 0.16 dB

Location: 11.8, 0.8, 3.7 mm

ABM2 = -48.33 dBA/m

Location: 11.8, 0.8, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 38_EVS: 9.6 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

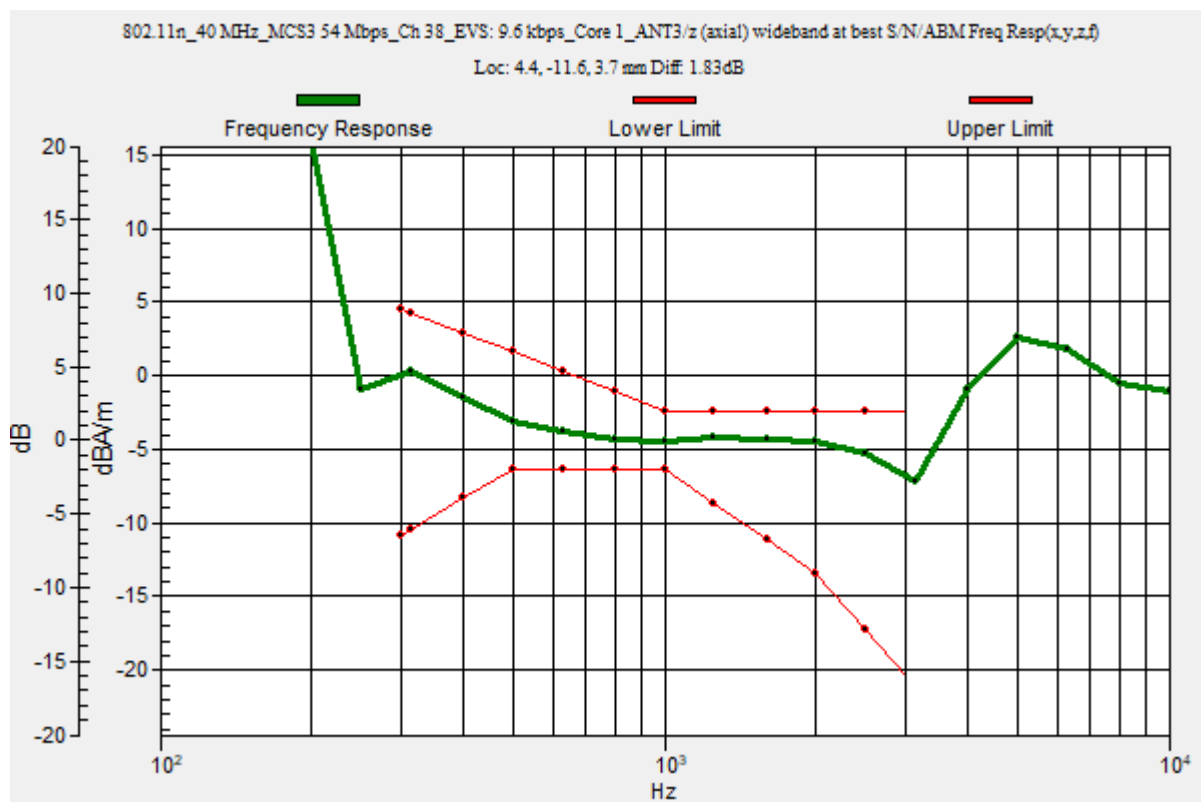
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.83 dB

BWC Factor = 10.80 dB

Location: 4.4, -11.6, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 38_EVS: 9.6 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 = 41.34 dB

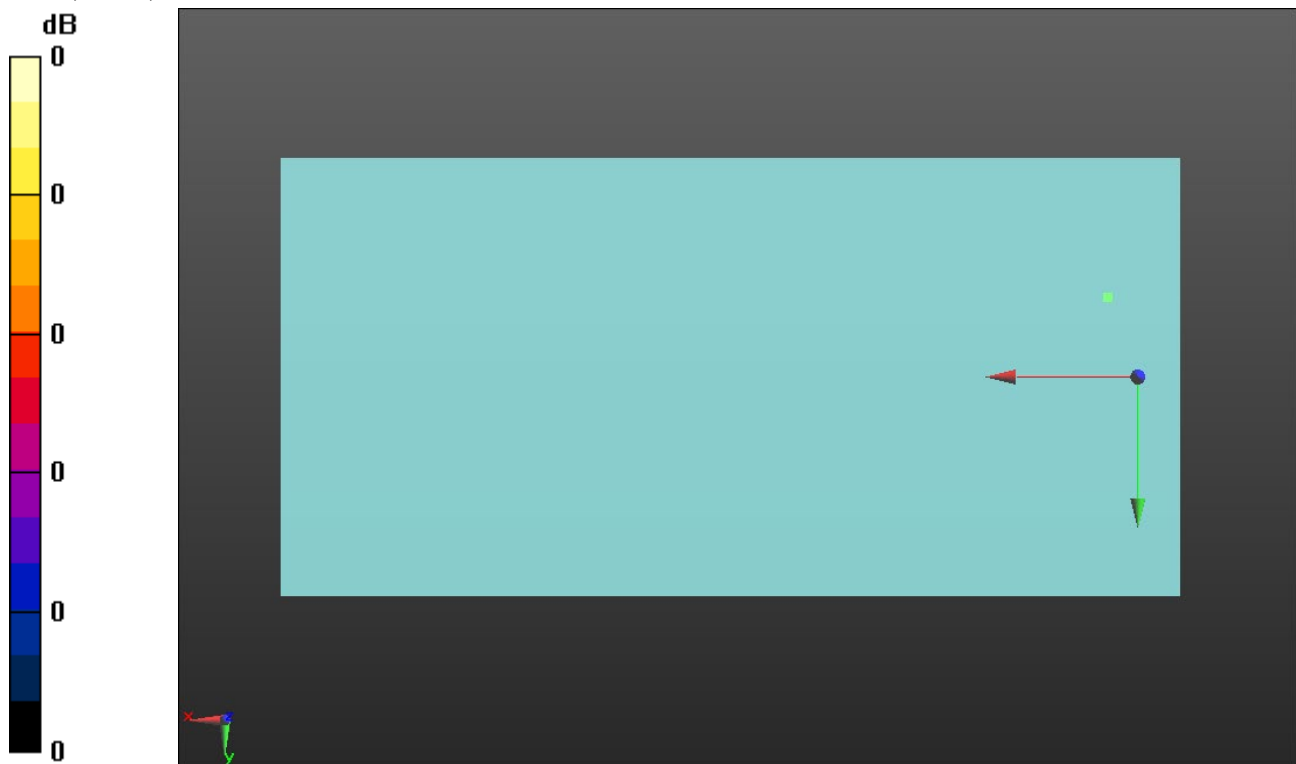
ABM1 comp = -3.76 dBA/m

BWC Factor = 0.16 dB

Location: 4.4, -11.6, 3.7 mm

ABM2 = -45.10 dBA/m

Location: 4.4, -11.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 54_EVS: 9.6 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

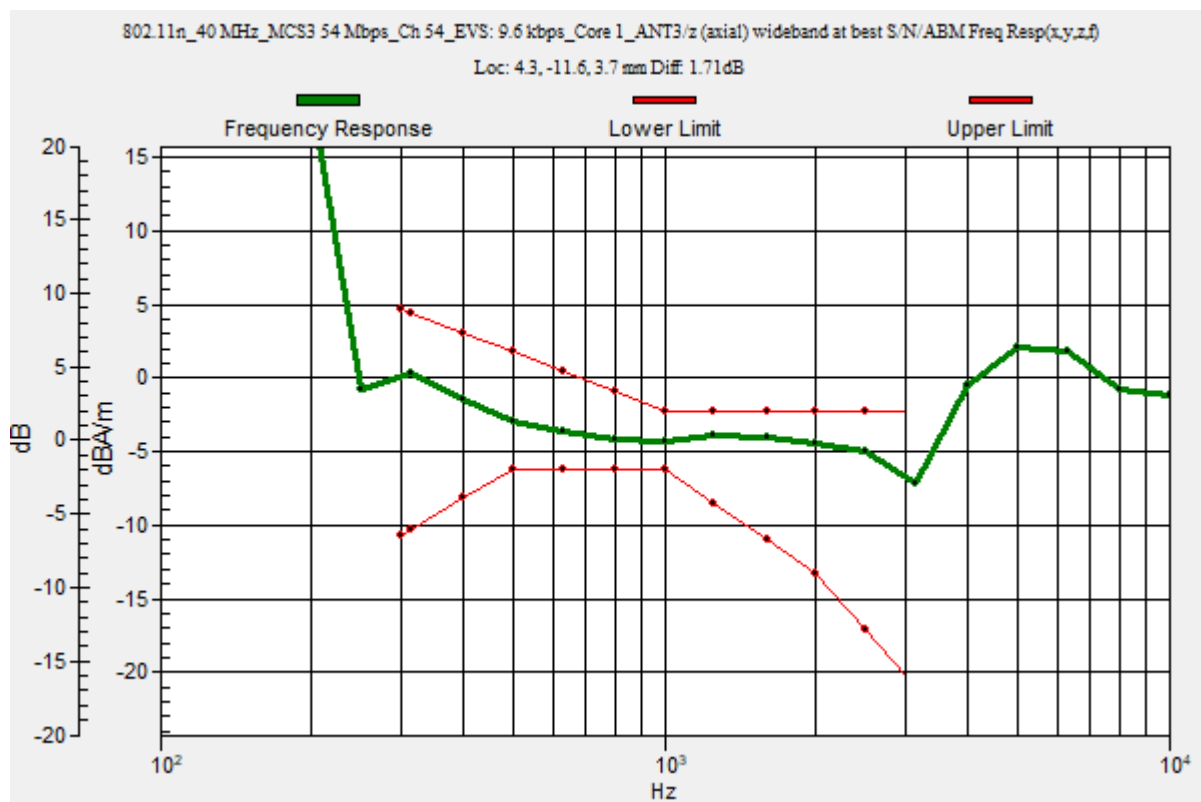
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.71 dB

BWC Factor = 10.80 dB

Location: 4.3, -11.6, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 54_EVS: 9.6 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 = 41.85 dB

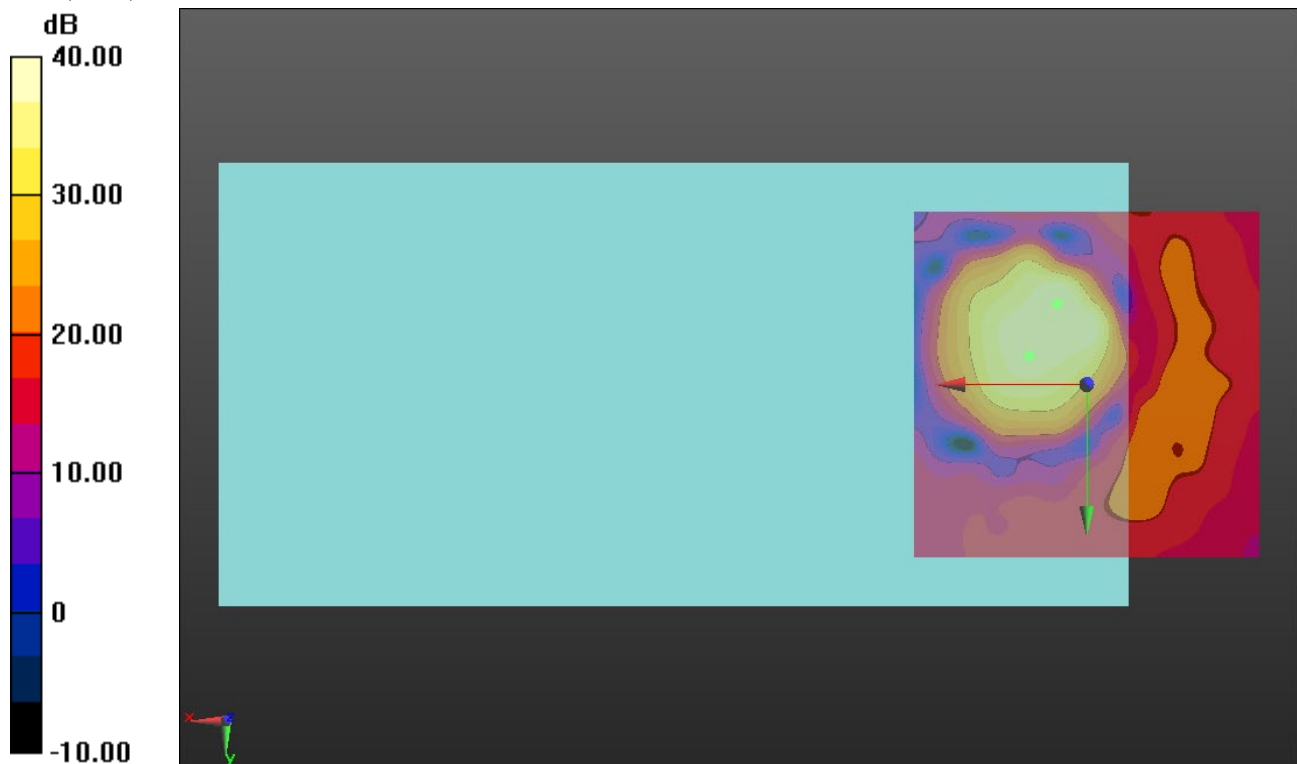
ABM1 comp = -5.34 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -11.7, 3.7 mm

ABM2 = -35.00 dBA/m

Location: 8.3, -4.2, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 54_EVS: 9.6 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 = 43.75 dB

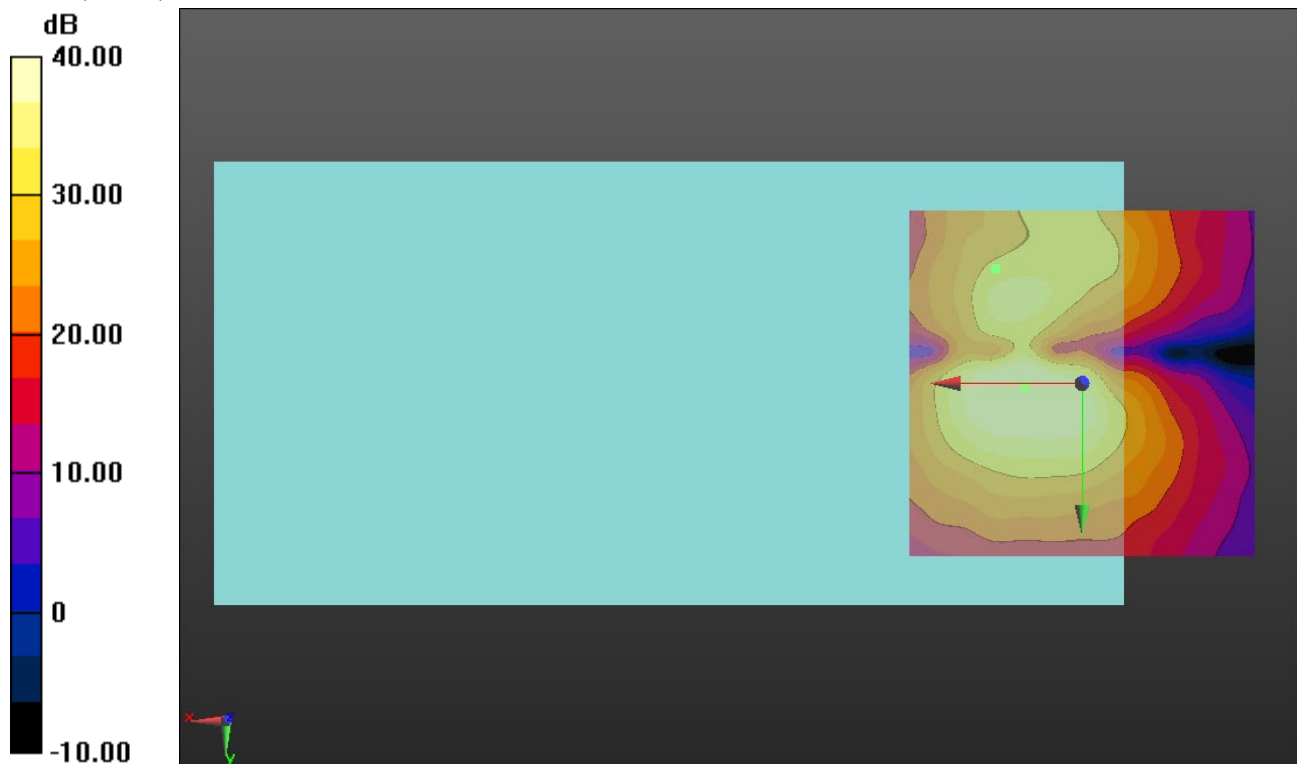
ABM1 comp = -5.20 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0.4, 3.7 mm

ABM2 = -38.73 dBA/m

Location: 12.5, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 102_EVS: 9.6 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

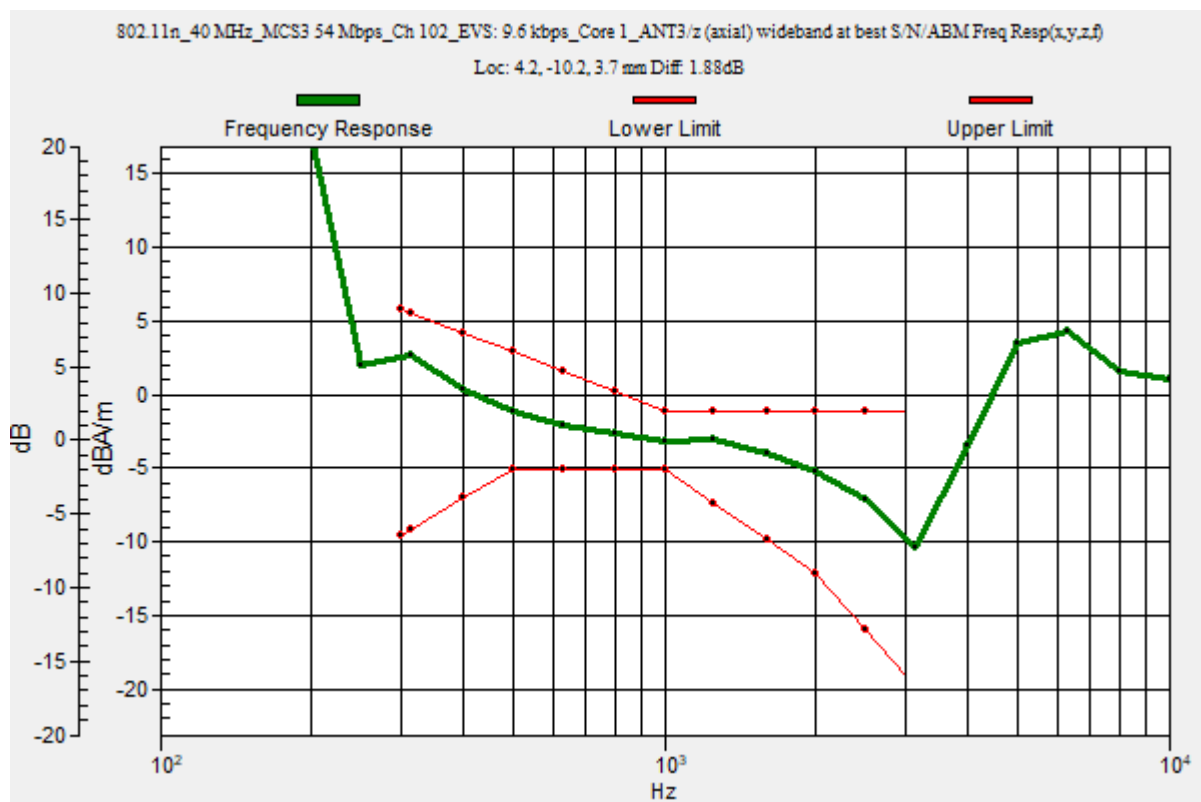
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.88 dB

BWC Factor = 10.80 dB

Location: 4.2, -10.2, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 102_EVS: 9.6 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 = 40.67 dB

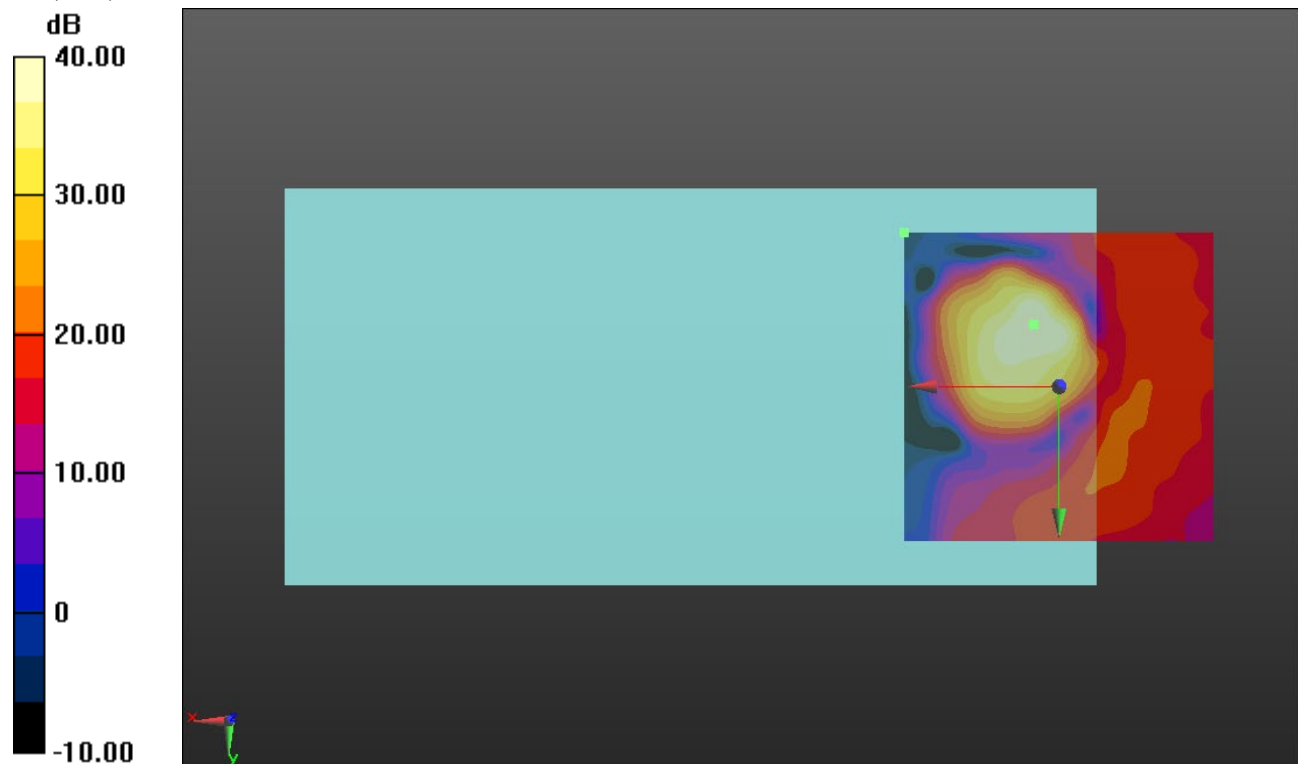
ABM1 comp = -2.45 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -10, 3.7 mm

ABM2 = -24.19 dBA/m

Location: 25, -25, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 102_EVS: 9.6 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 = 40.03 dB

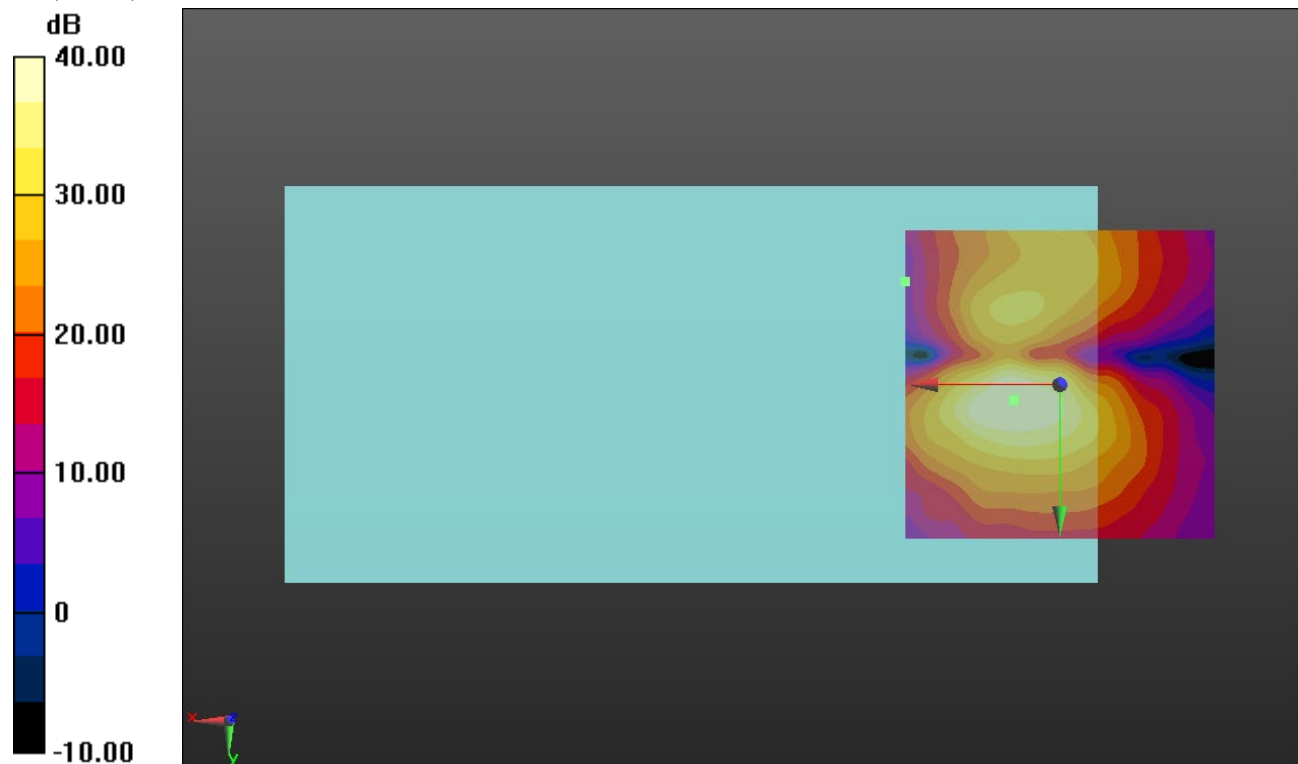
ABM1 comp = -5.70 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 2.5, 3.7 mm

ABM2 = -31.65 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 151_EVS: 9.6 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

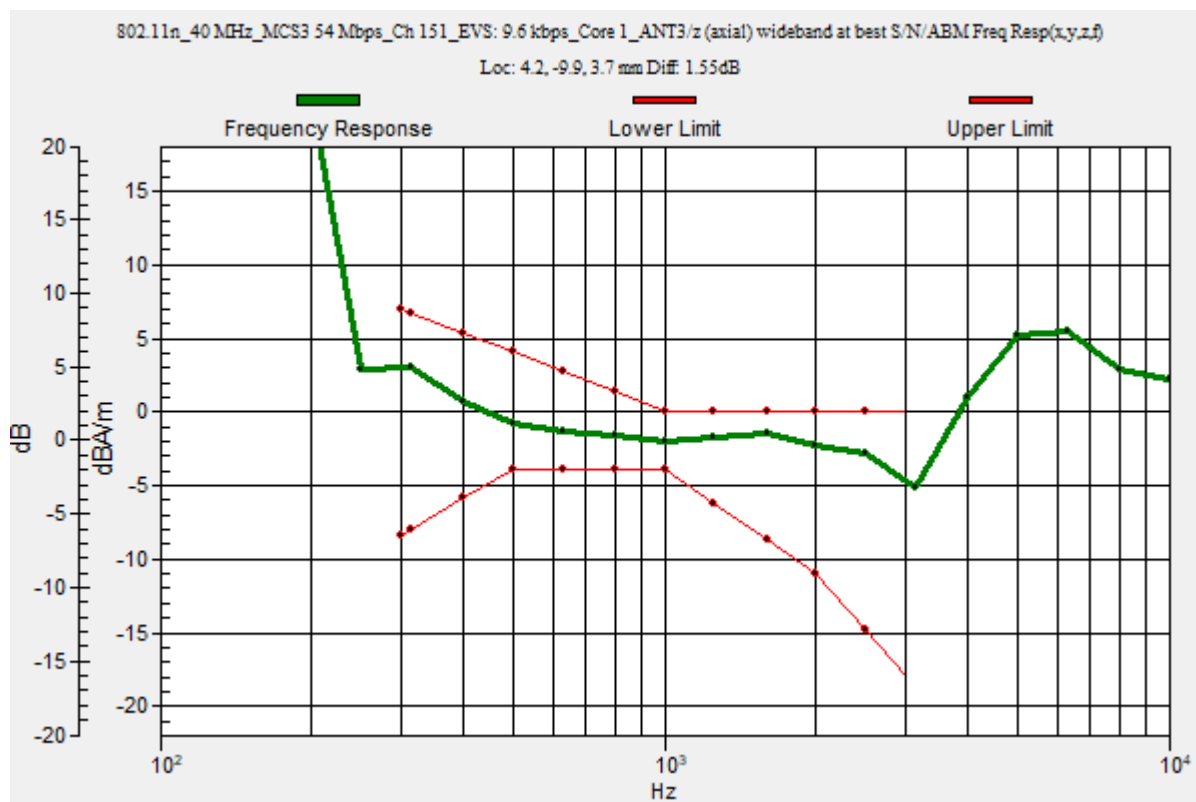
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.55 dB

BWC Factor = 10.80 dB

Location: 4.2, -9.9, 3.7 mm



802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 151_EVS: 9.6 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 = 41.61 dB

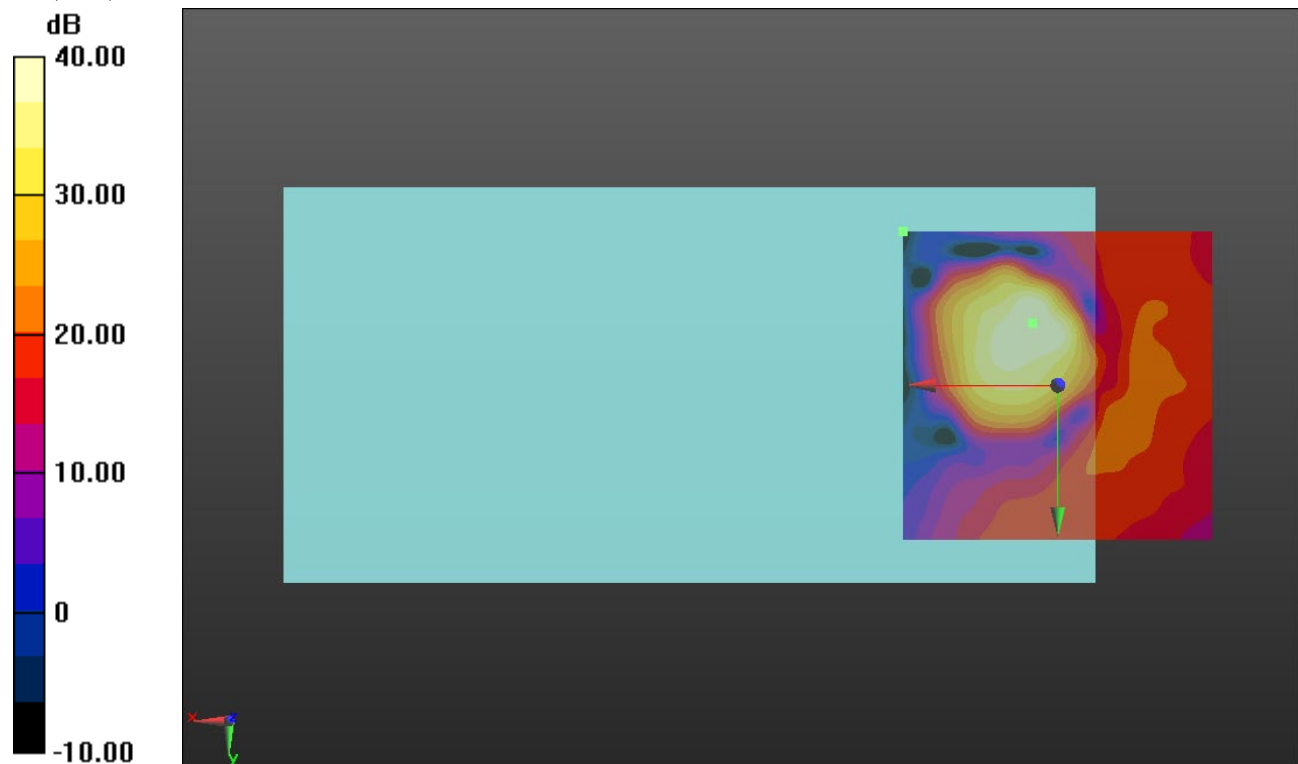
ABM1 comp = -1.49 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -10, 3.7 mm

ABM2 = -18.07 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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)/802.11n_40 MHz_MCS3 54 Mbps_Ch 151_EVS: 9.6 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 = 40.76 dB

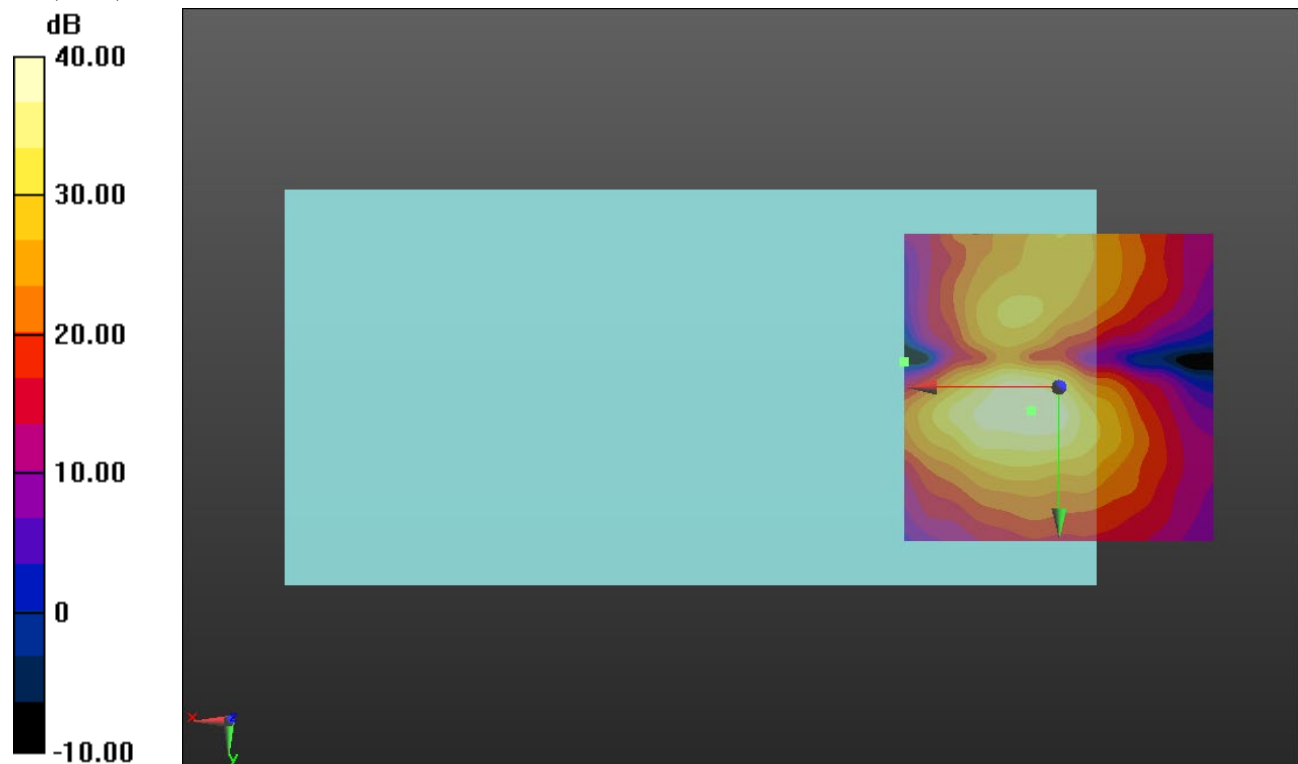
ABM1 comp = -5.94 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, 3.7, 3.7 mm

ABM2 = -24.76 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB