

GSM 850

Communication System: UID 0, 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 ch 190 LAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

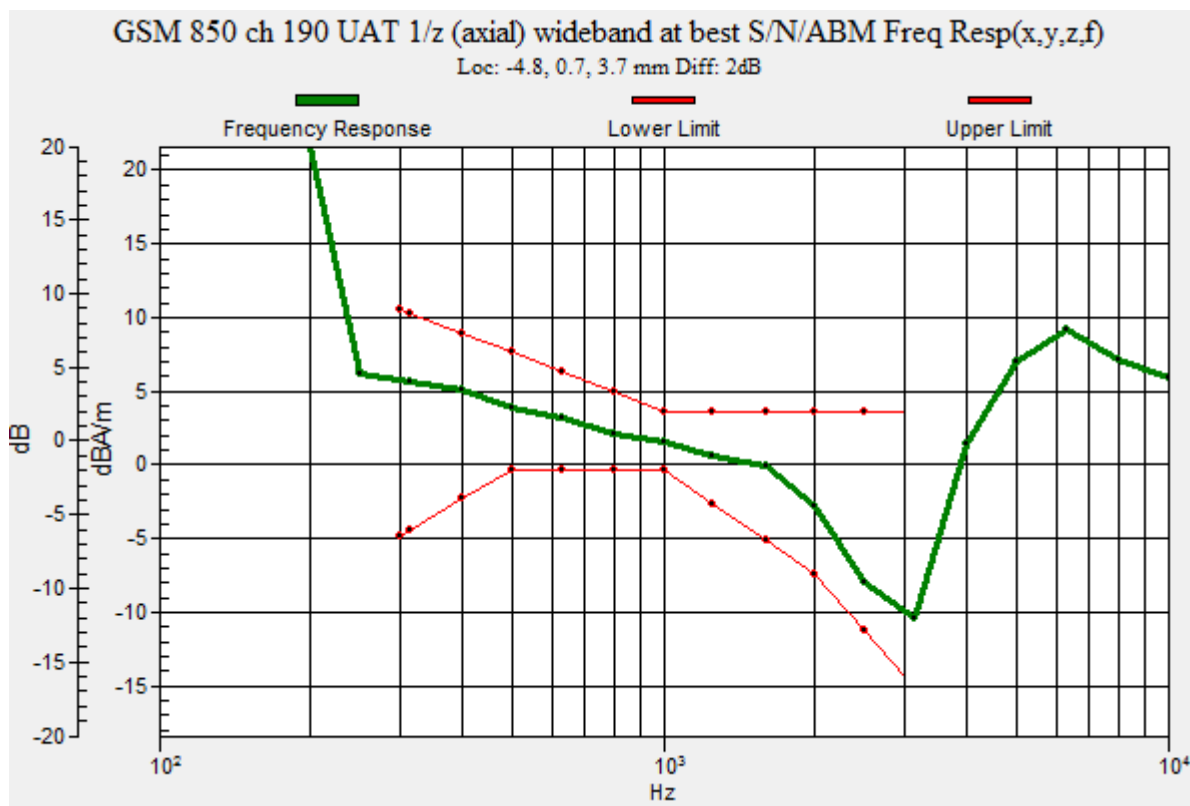
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.8, 0.7, 3.7 mm



GSM 850

Communication System: UID 0, 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: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850 ch 190 LAT 1/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 = 38.86 dB

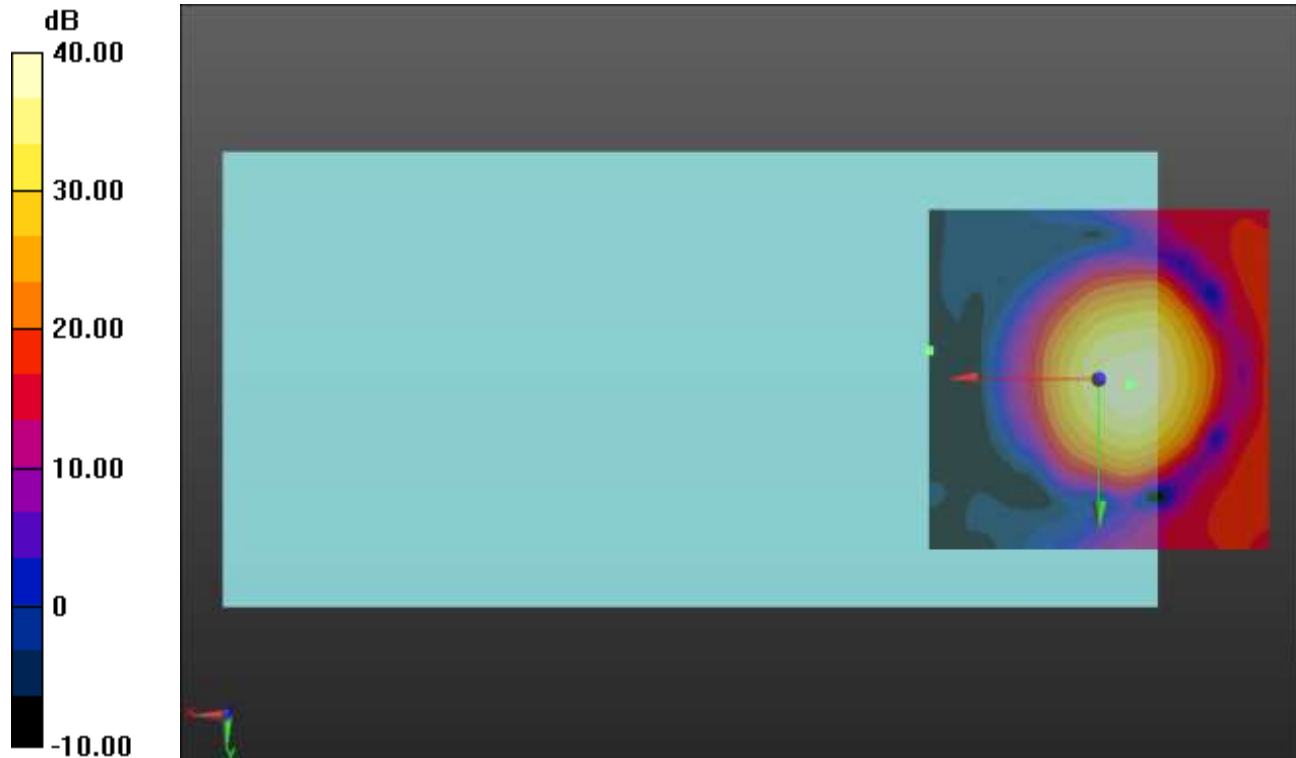
ABM1 comp = 0.57 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, 0.8, 3.7 mm

ABM2 = -17.56 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 850

Communication System: UID 0, 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: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850 ch 190 LAT 1/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 = 34.05 dB

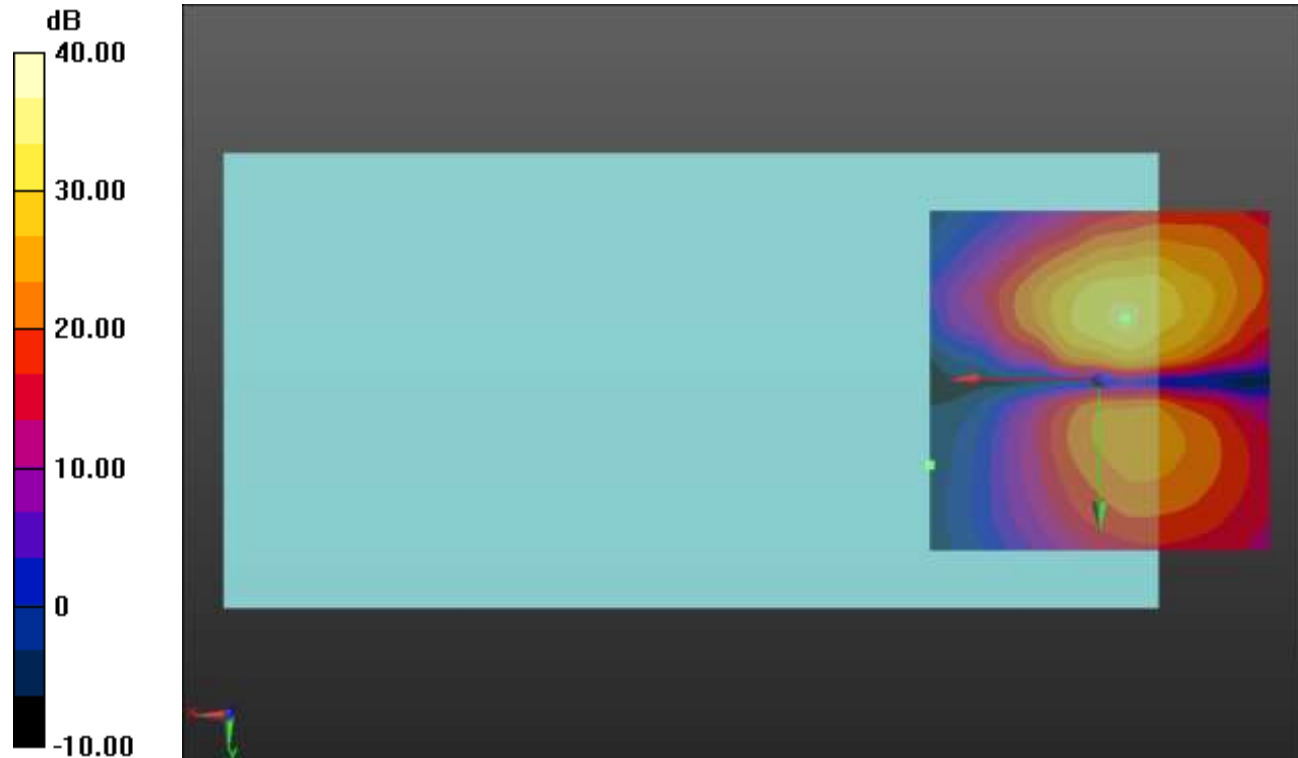
ABM1 comp = -6.99 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 3.7 mm

ABM2 = -19.39 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 1900

Communication System: UID 0, @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 ch 661 LAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

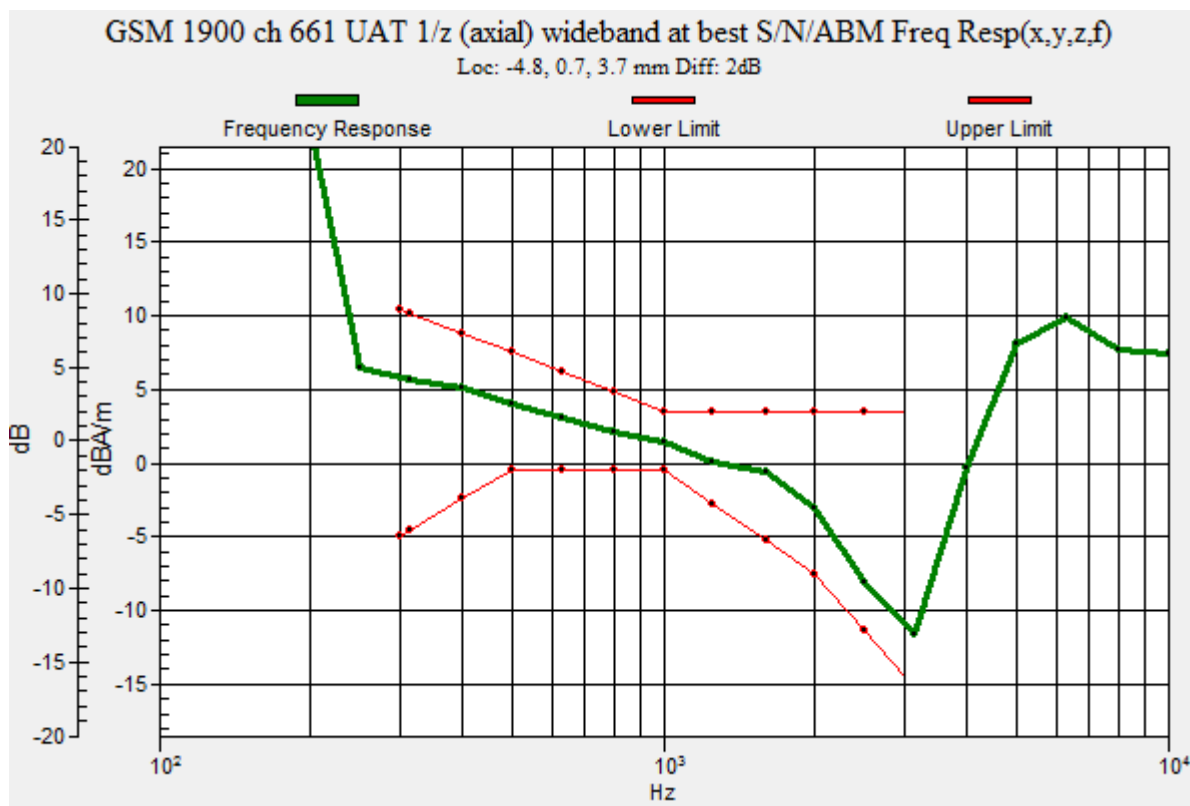
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.8, 0.7, 3.7 mm



GSM 1900

Communication System: UID 0, @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: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900 ch 661 LAT 1/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 = 39.85 dB

ABM1 comp = 0.60 dBA/m

BWC Factor = 0.16 dB

Location: -4.8, 0.7, 3.7 mm

ABM2 = -39.26 dBA/m

Location: -4.8, 0.7, 3.7 mm



GSM 1900

Communication System: UID 0, @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: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900 ch 661 LAT 1/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 = 34.69 dB

ABM1 comp = -6.73 dBA/m

BWC Factor = 0.16 dB

Location: -3.8, -9.1, 3.7 mm

ABM2 = -41.42 dBA/m

Location: -3.8, -9.1, 3.7 mm



WCDMA Band II

Communication System: UID 0, @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 CH 9538 LAT 1_WB 6.6kbps/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

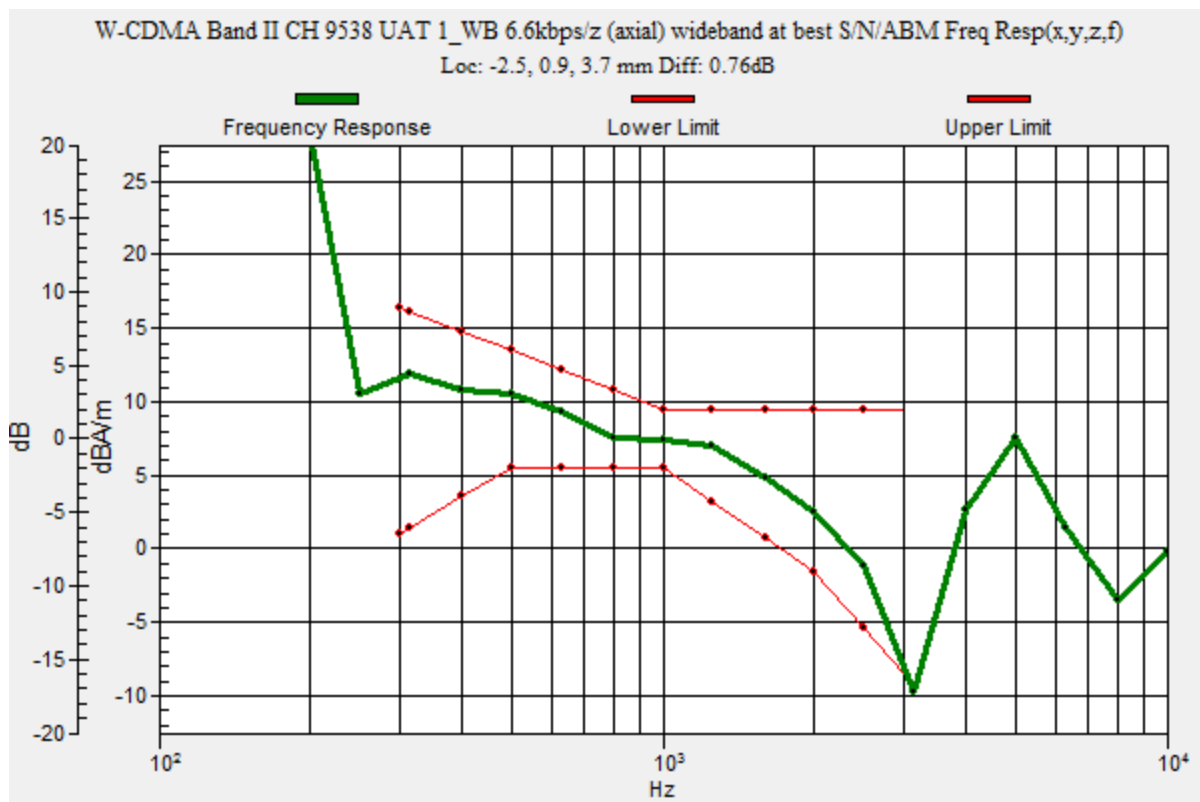
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.76 dB

BWC Factor = 10.80 dB

Location: -2.5, 0.9, 3.7 mm



WCDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band II CH 9538 LAT

1_WB 6.6kbps/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: 2000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 49.50 dB

ABM1 comp = 5.53 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, 0.9, 3.7 mm

ABM2 = -43.96 dBA/m

Location: -2.5, 0.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA Band IV

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band IV CH 1513 LAT 1_WB 6.6kbps/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

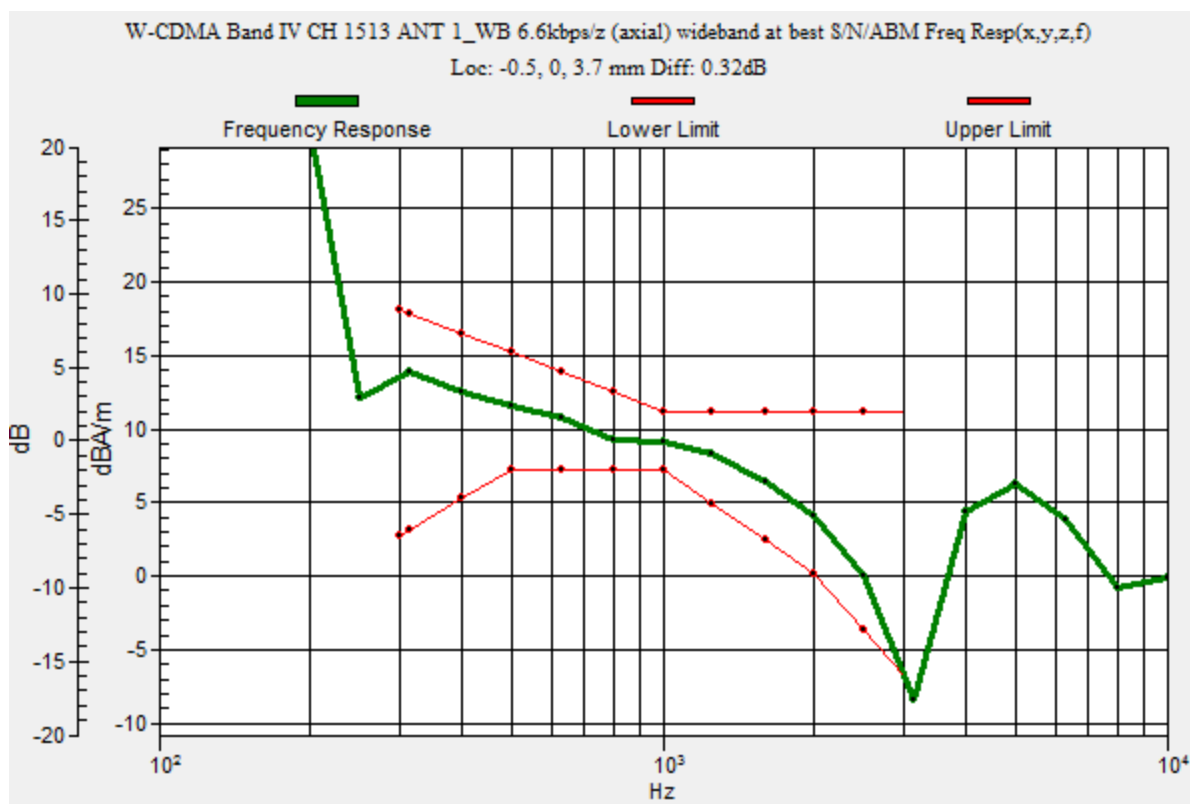
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.32 dB

BWC Factor = 10.80 dB

Location: -0.5, 0, 3.7 mm



WCDMA Band IV

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 1752.6 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band IV CH 1513 LAT 1_WB 6.6kbps/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 = 39.09 dB

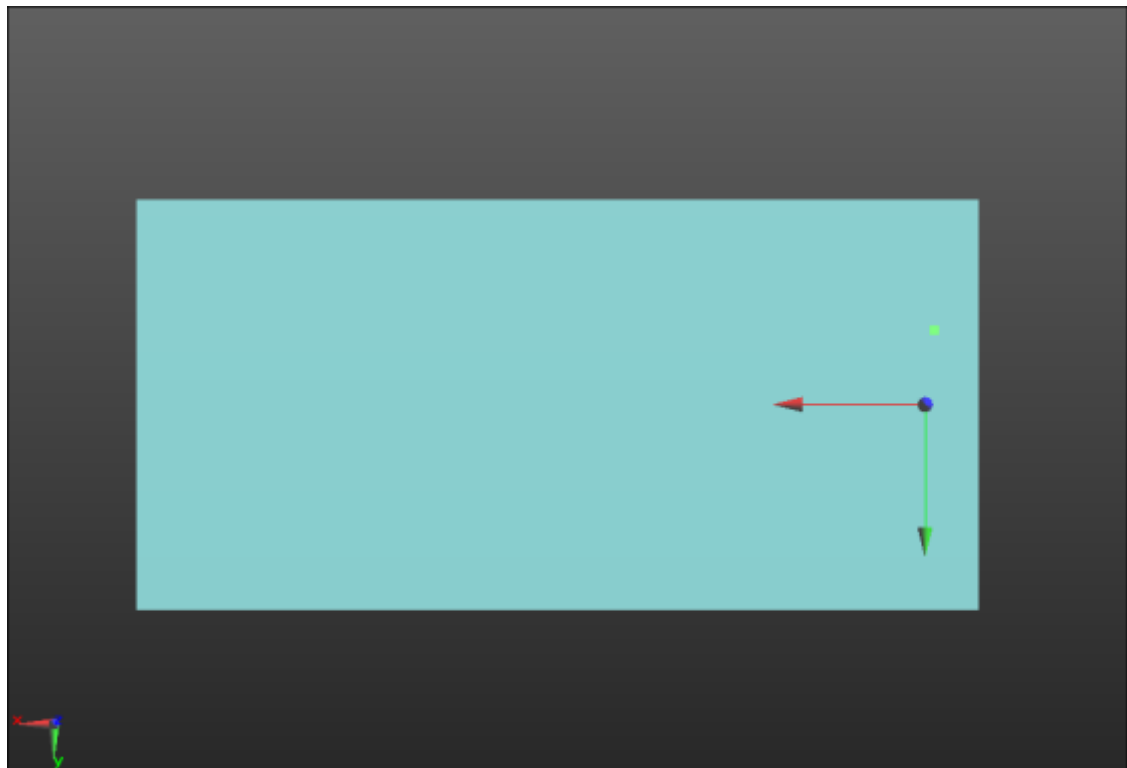
ABM1 comp = -4.85 dBA/m

BWC Factor = 0.16 dB

Location: -1.4, -12.2, 3.7 mm

ABM2 = -43.94 dBA/m

Location: -1.4, -12.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA Band V

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band V CH 4132 LAT
1_WB 6.6kbps/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

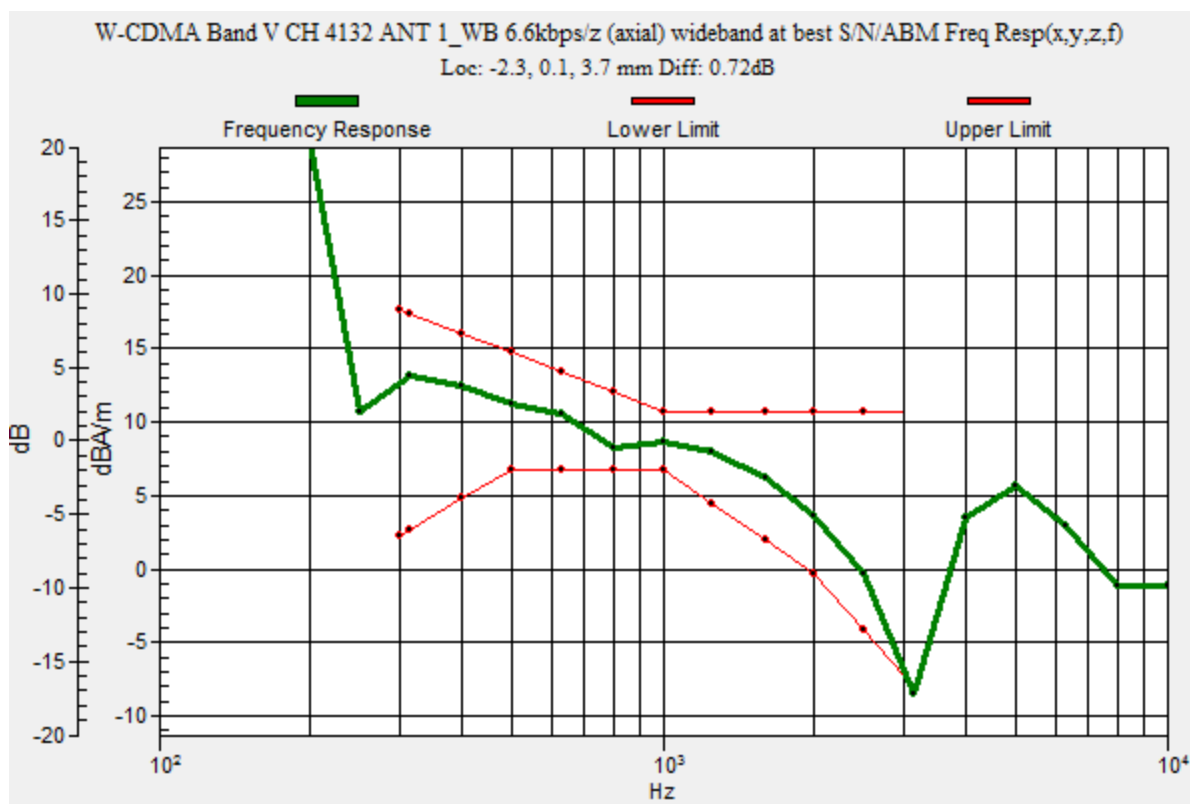
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.72 dB

BWC Factor = 10.80 dB

Location: -2.3, 0.1, 3.7 mm



WCDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band V CH 4132 LAT

1_WB 6.6kbps/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 = 48.81 dB

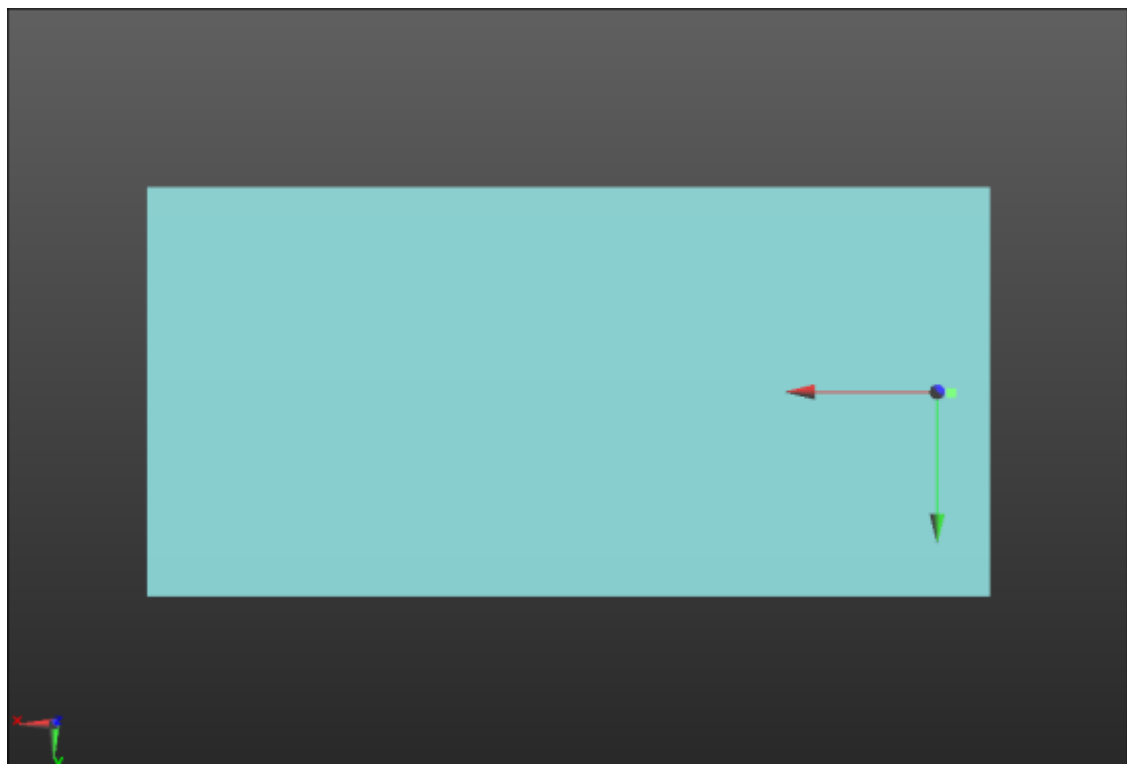
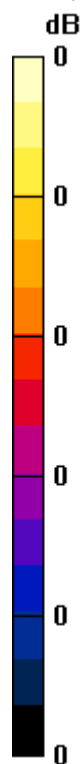
ABM1 comp = 6.52 dBA/m

BWC Factor = 0.16 dB

Location: -2.3, 0.1, 3.7 mm

ABM2 = -42.29 dBA/m

Location: -2.3, 0.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA 2000 BC0

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC0 RC1/SO3 Ch 384_LAT 1/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

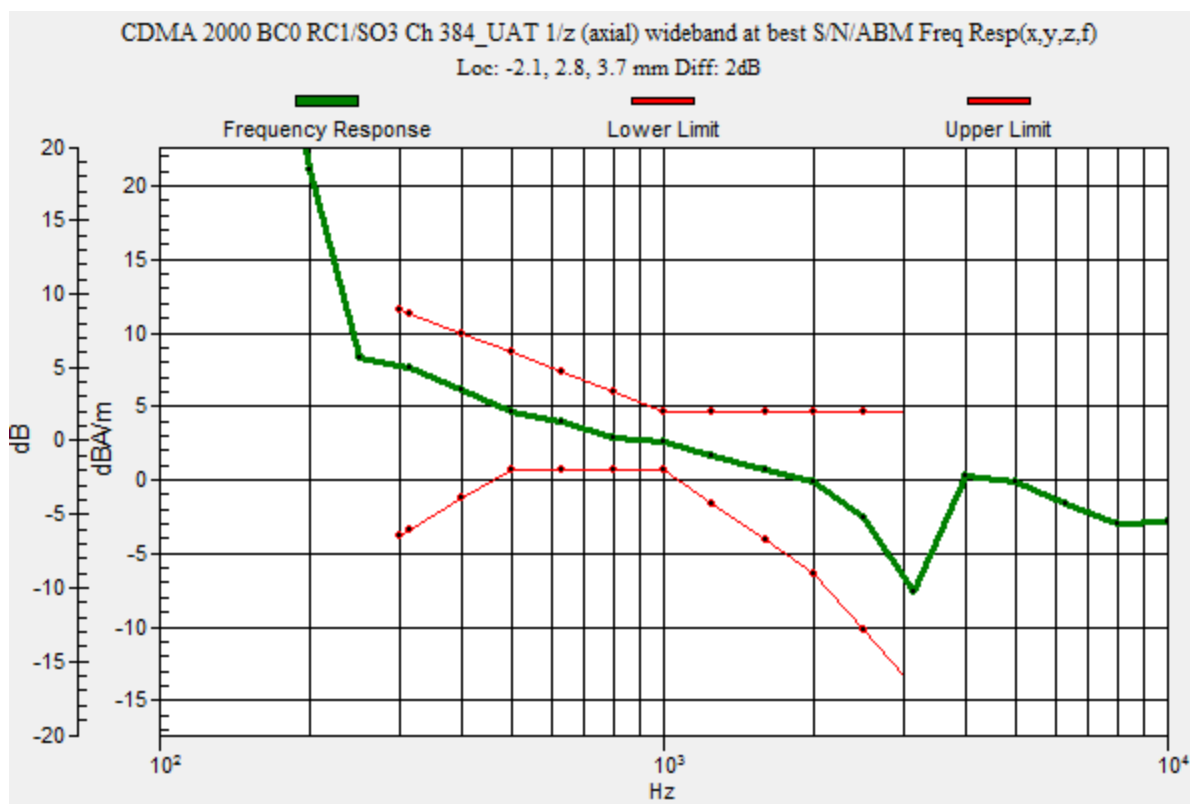
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -2.1, 2.8, 3.7 mm



CDMA 2000 BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC0 RC1/SO3 Ch 384_LAT 1/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 = 47.63 dB

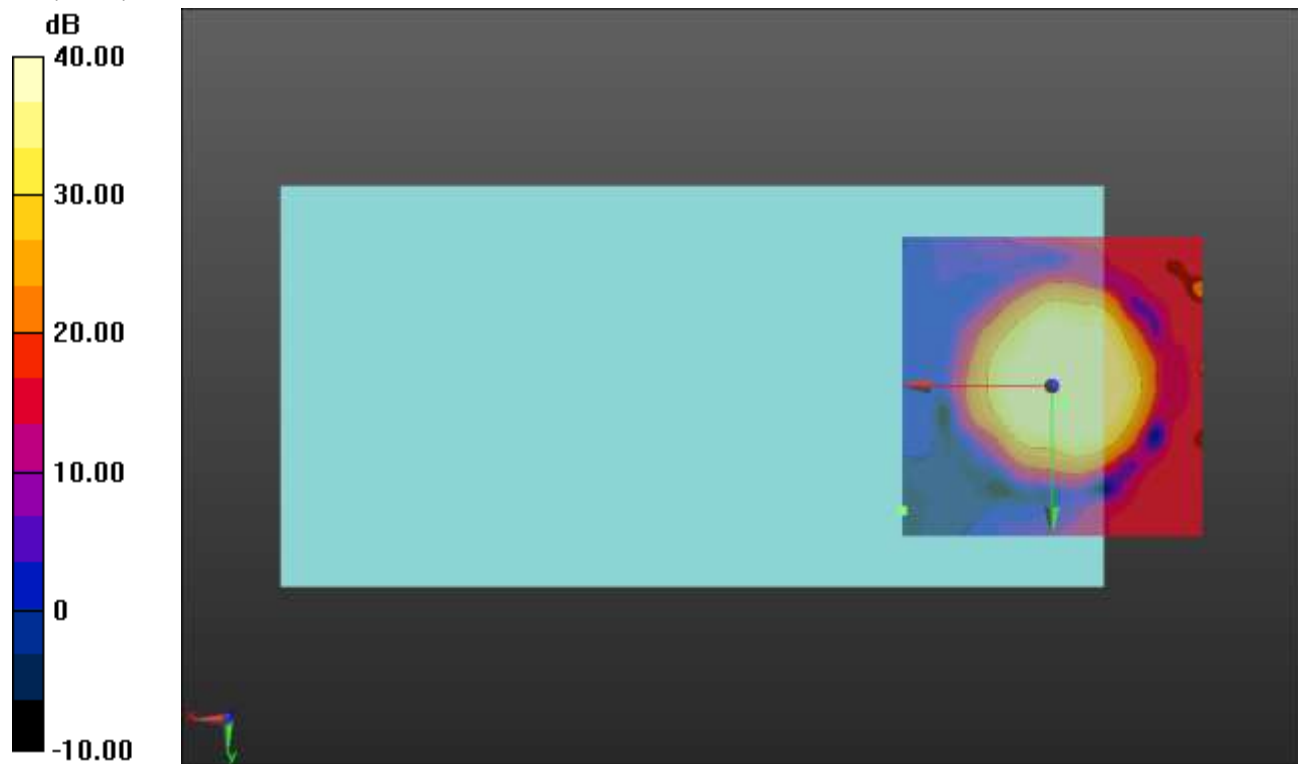
ABM1 comp = 0.88 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, 2.9, 3.7 mm

ABM2 = -26.01 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA 2000 BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC0 RC1/SO3 Ch 384_LAT 1/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 = 37.11 dB

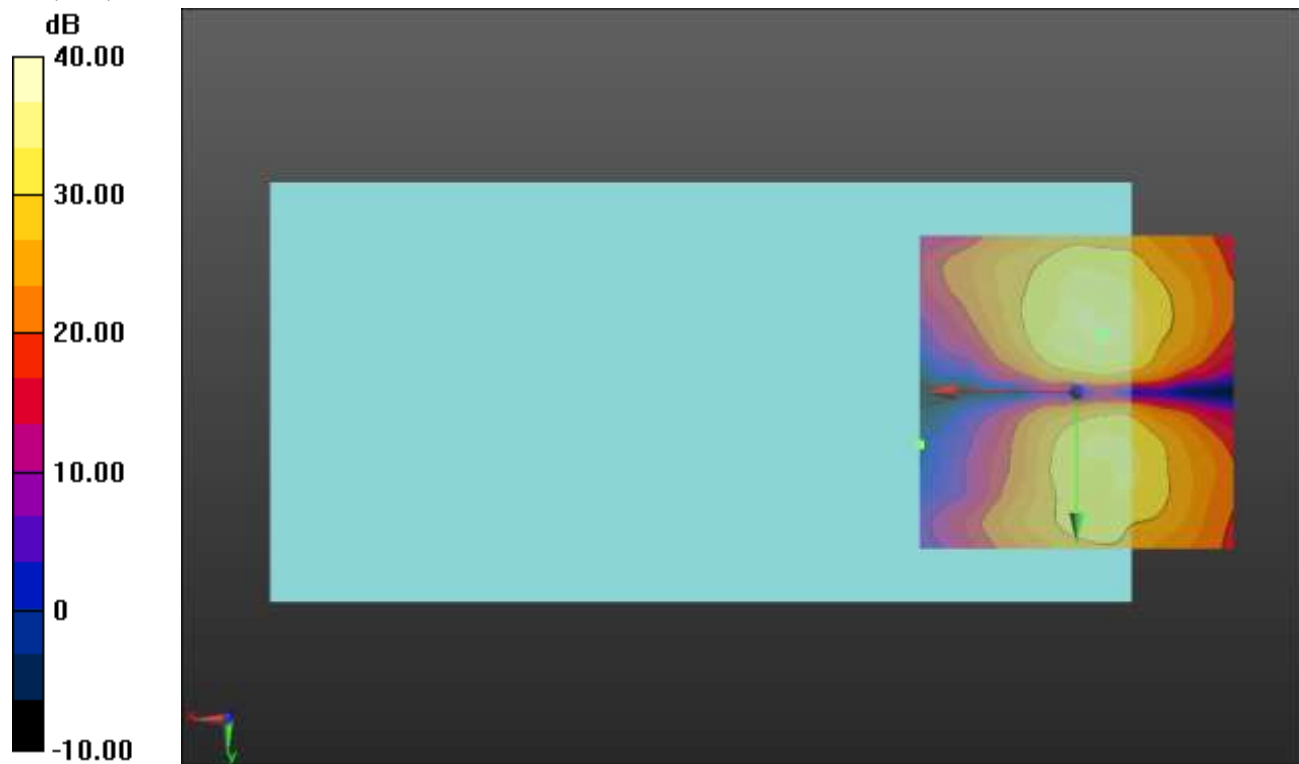
ABM1 comp = -7.89 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.2, 3.7 mm

ABM2 = -28.74 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA 2000 BC1

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC1 RC1/SO3 Ch 600_LAT 1/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

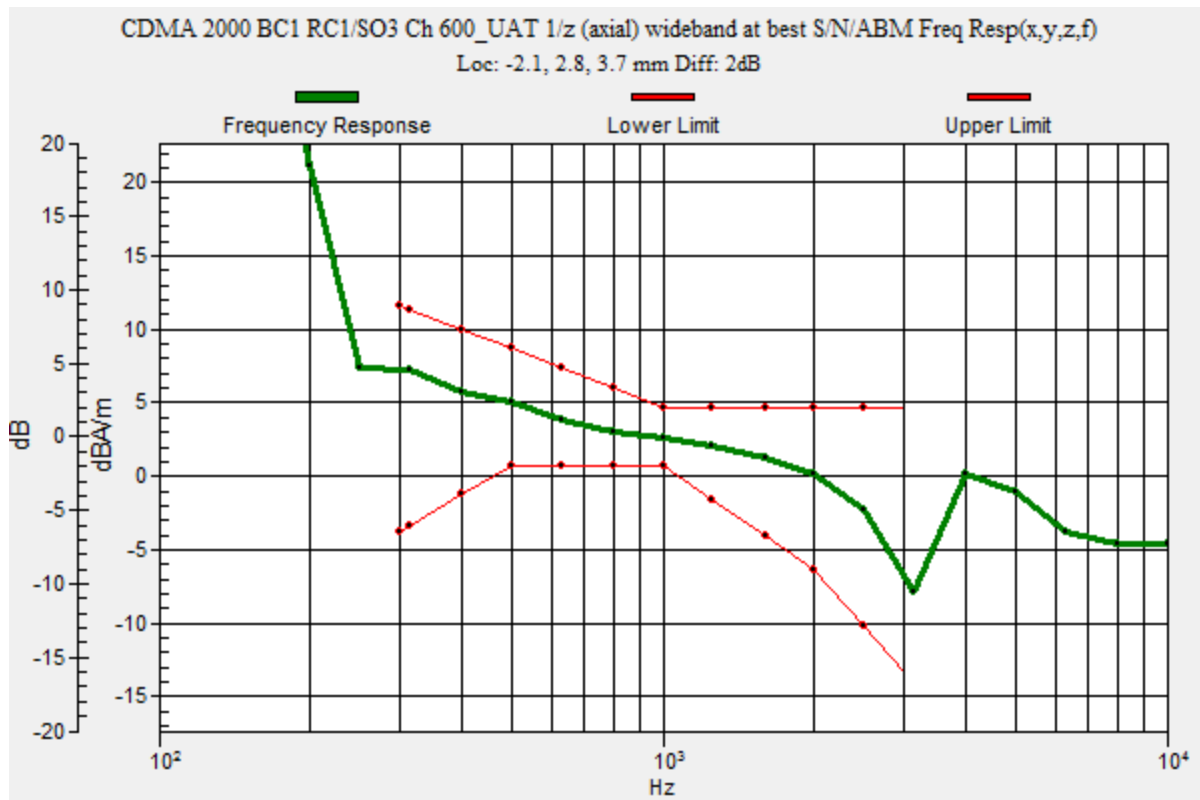
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -2.1, 2.8, 3.7 mm



CDMA 2000 BC10

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC10 RC1/SO3 Ch 580_LAT 1/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

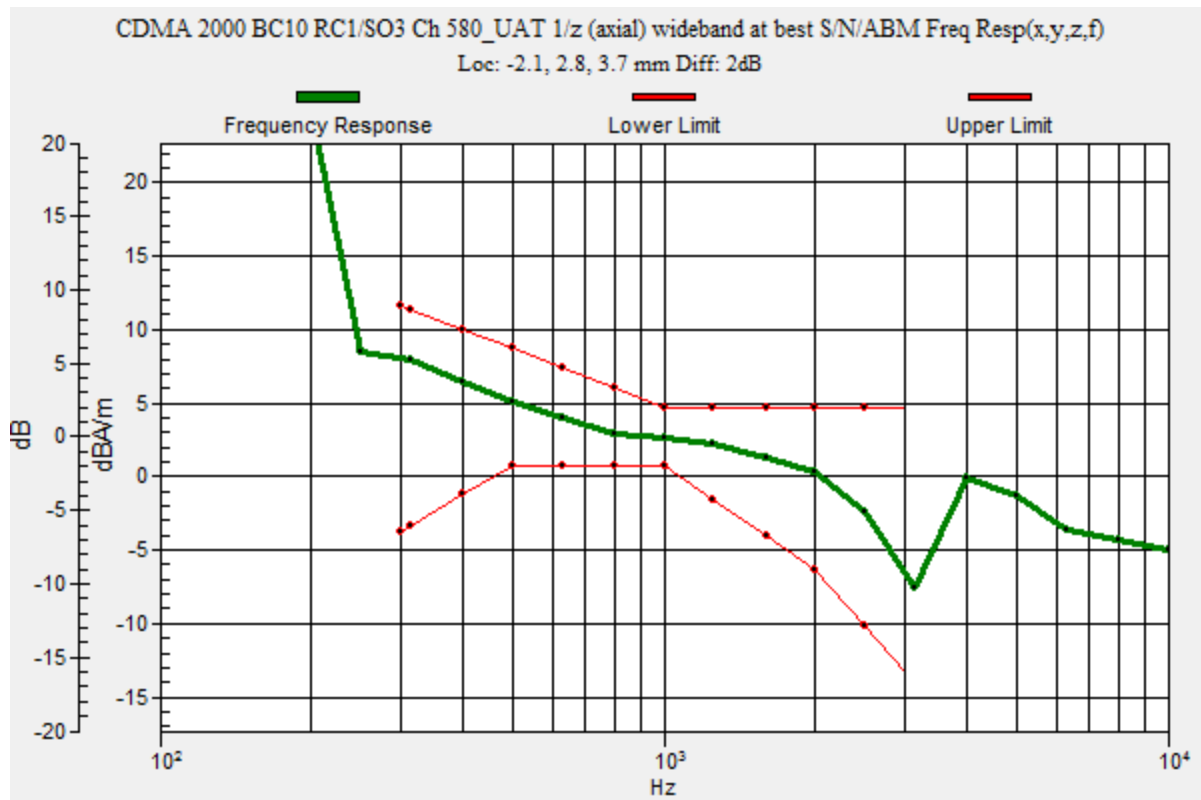
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -2.1, 2.8, 3.7 mm



CDMA 2000 BC10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC10 RC1/SO3 Ch

580_LAT 1/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: 19.12

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.75 dB

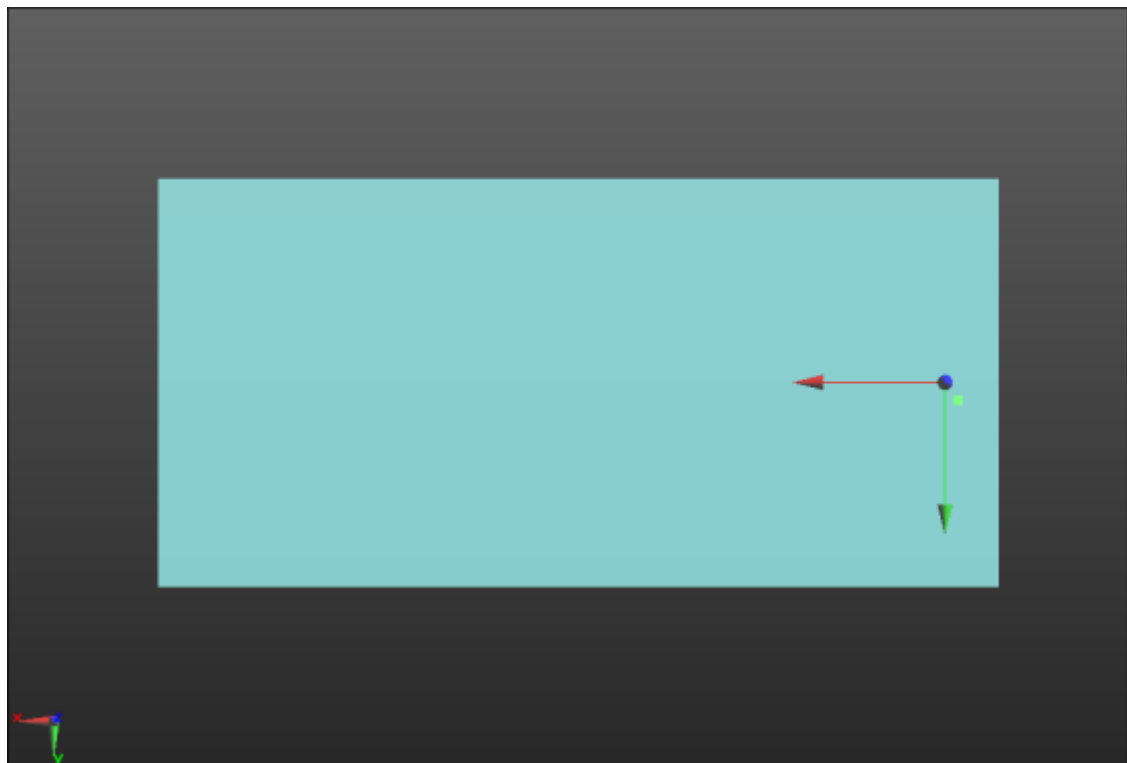
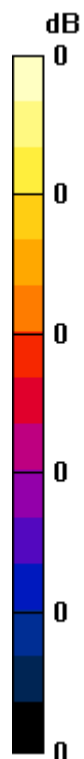
ABM1 comp = 0.82 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, 2.8, 3.7 mm

ABM2 = -47.93 dBA/m

Location: -2.1, 2.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA 2000 BC10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA 2000 BC10 RC1/SO3 Ch 580_LAT 1/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: 19.12

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.35 dB

ABM1 comp = -7.60 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.1, 3.7 mm

ABM2 = -45.95 dBA/m

Location: -4.2, -9.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 QPSK 20 MHz BW Ch. 21100 RB 100/0 EVS 5.9 kbps UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

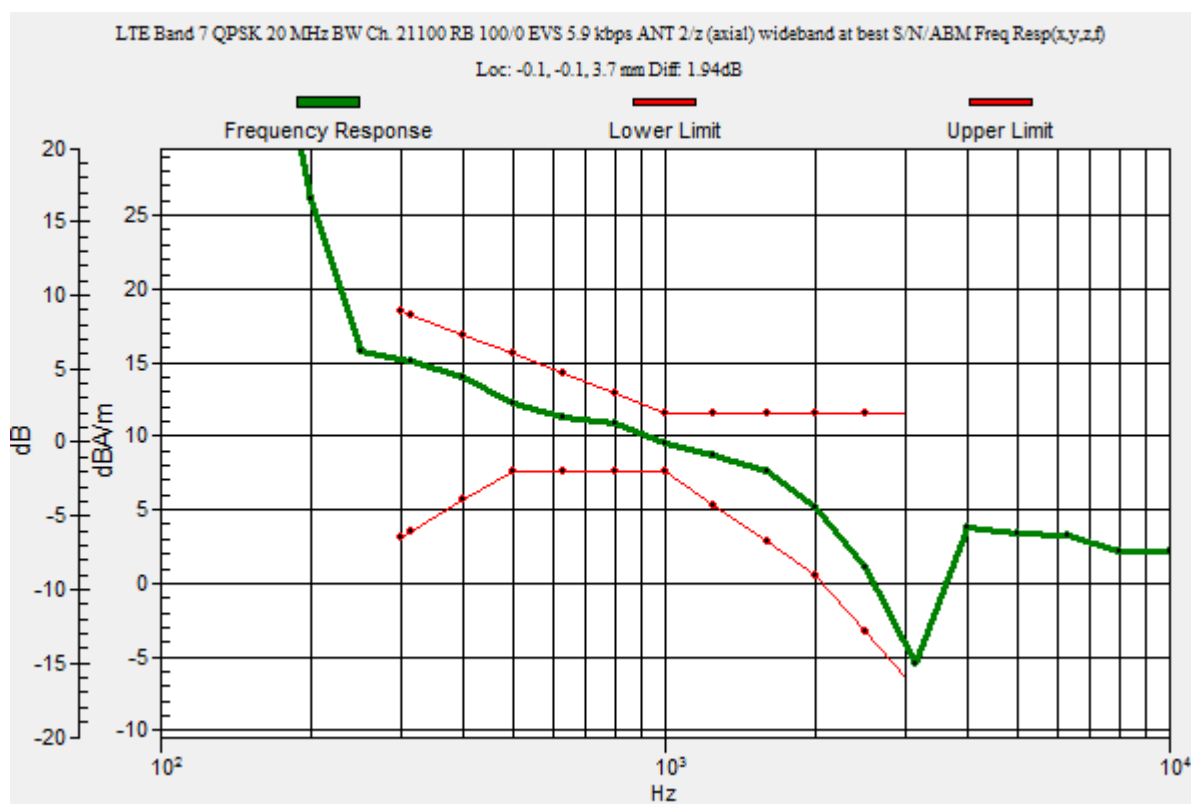
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.94 dB

BWC Factor = 10.80 dB

Location: -0.1, -0.1, 3.7 mm



LTE Band 7

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 QPSK 20 MHz BW Ch. 21100 RB 100/0 EVS 5.9 kbps UAT 1/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 = 46.91 dB

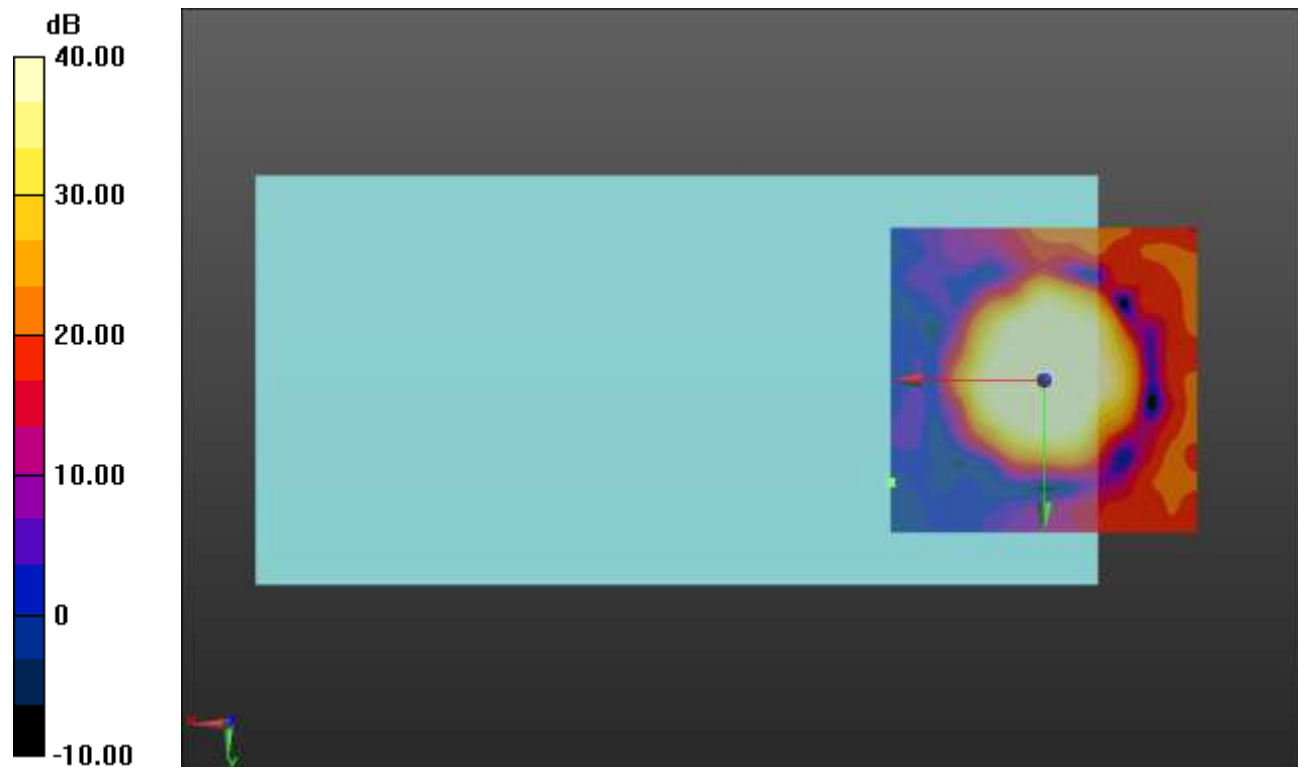
ABM1 comp = 8.26 dBA/m

BWC Factor = 0.16 dB

Location: 0, 0, 3.7 mm

ABM2 = -21.85 dBA/m

Location: 25, 16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 QPSK 20 MHz BW Ch. 21100 RB 100/0 EVS 5.9 kbps UAT 1/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 = 36.55 dB

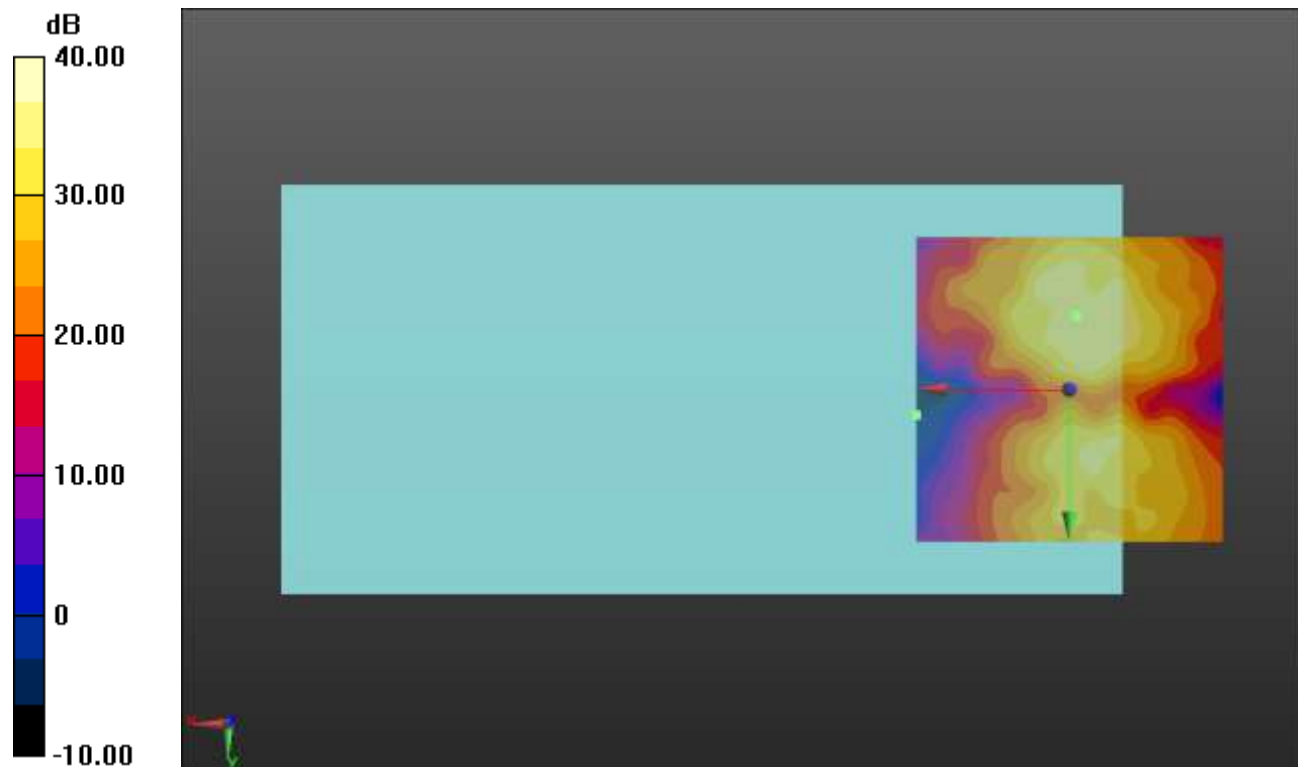
ABM1 comp = -5.67 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -12.1, 3.7 mm

ABM2 = -25.32 dBA/m

Location: 25, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz BW QPSK 50/0 RB_Ch 23095_EVS 5.9 kbps_ UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

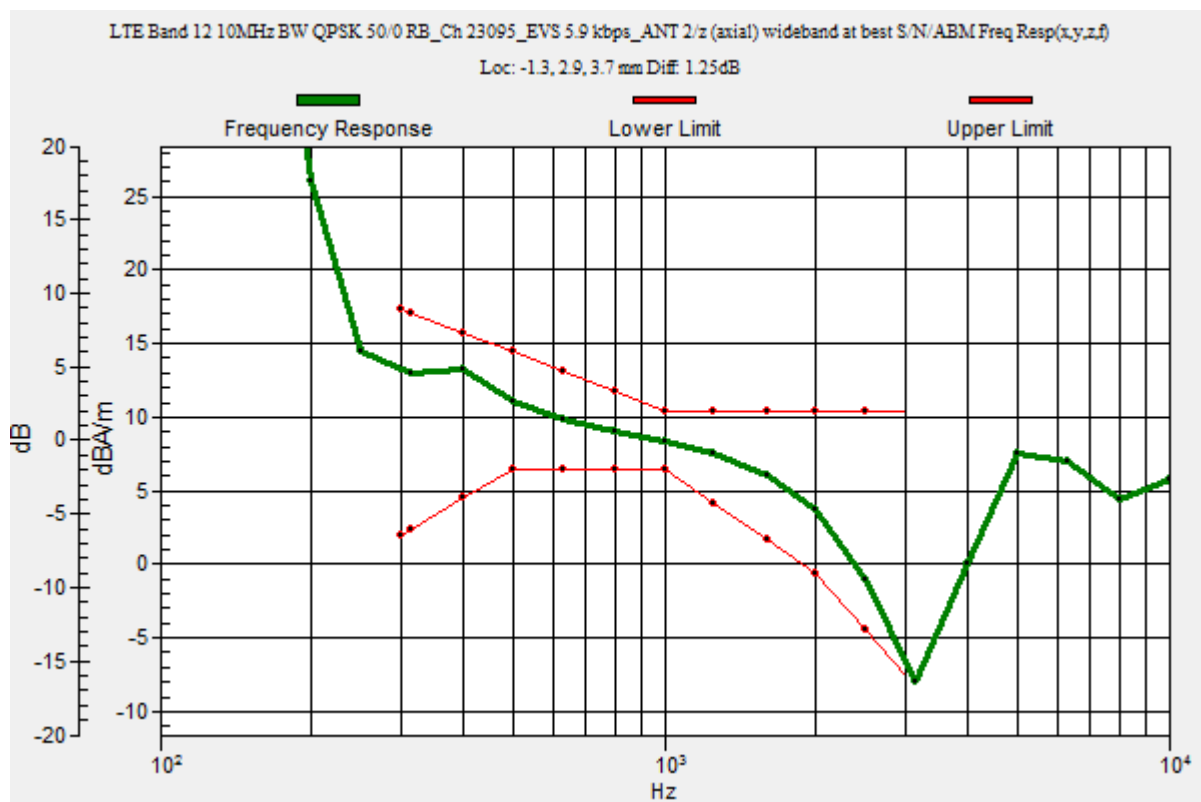
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.25 dB

BWC Factor = 10.80 dB

Location: -1.3, 2.9, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz BW QPSK 50/0 RB_Ch 23095_EVS 5.9 kbps_UAT 1/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 = 45.02 dB

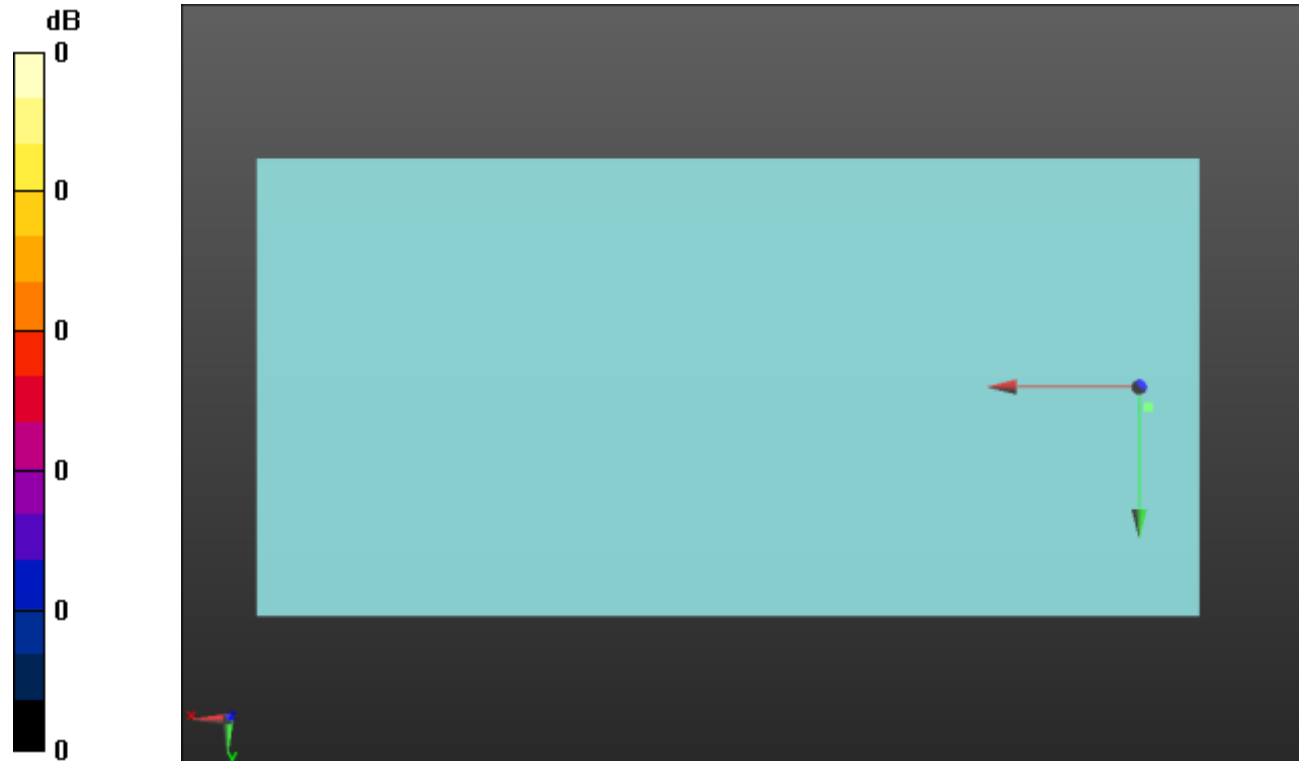
ABM1 comp = 6.40 dBA/m

BWC Factor = 0.16 dB

Location: -1.3, 2.9, 3.7 mm

ABM2 = -38.62 dBA/m

Location: -1.3, 2.9, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz BW QPSK 50/0 RB_Ch 23095_EVS 5.9 kbps_ UAT 1/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 = 34.72 dB

ABM1 comp = -7.17 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -9.7, 3.7 mm

ABM2 = -41.89 dBA/m

Location: -4.6, -9.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 14

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 QPSK 10 MHz BW Ch. 23330 RB 50/0 EVS 5.9 kbps UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

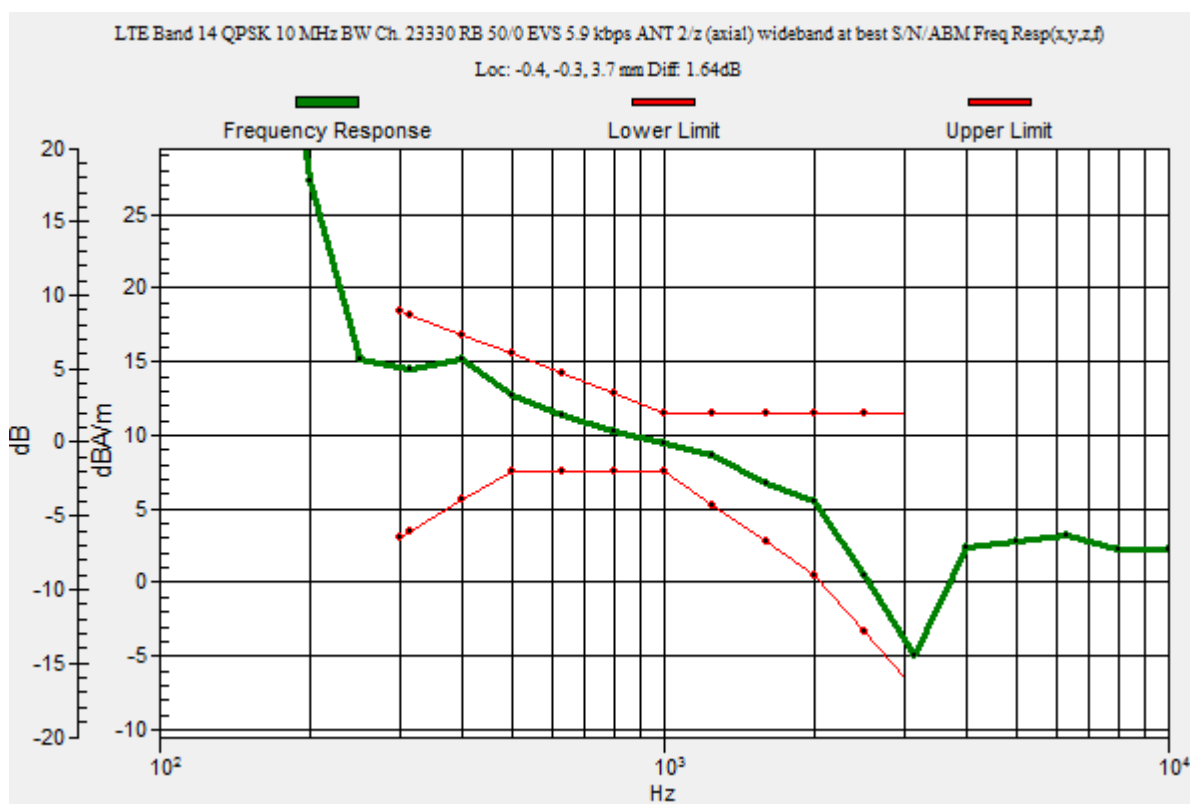
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.64 dB

BWC Factor = 10.80 dB

Location: -0.4, -0.3, 3.7 mm



LTE Band 14

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 QPSK 10 MHz BW Ch. 23330 RB 50/0 EVS 5.9 kbps UAT 1/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 = 46.87 dB

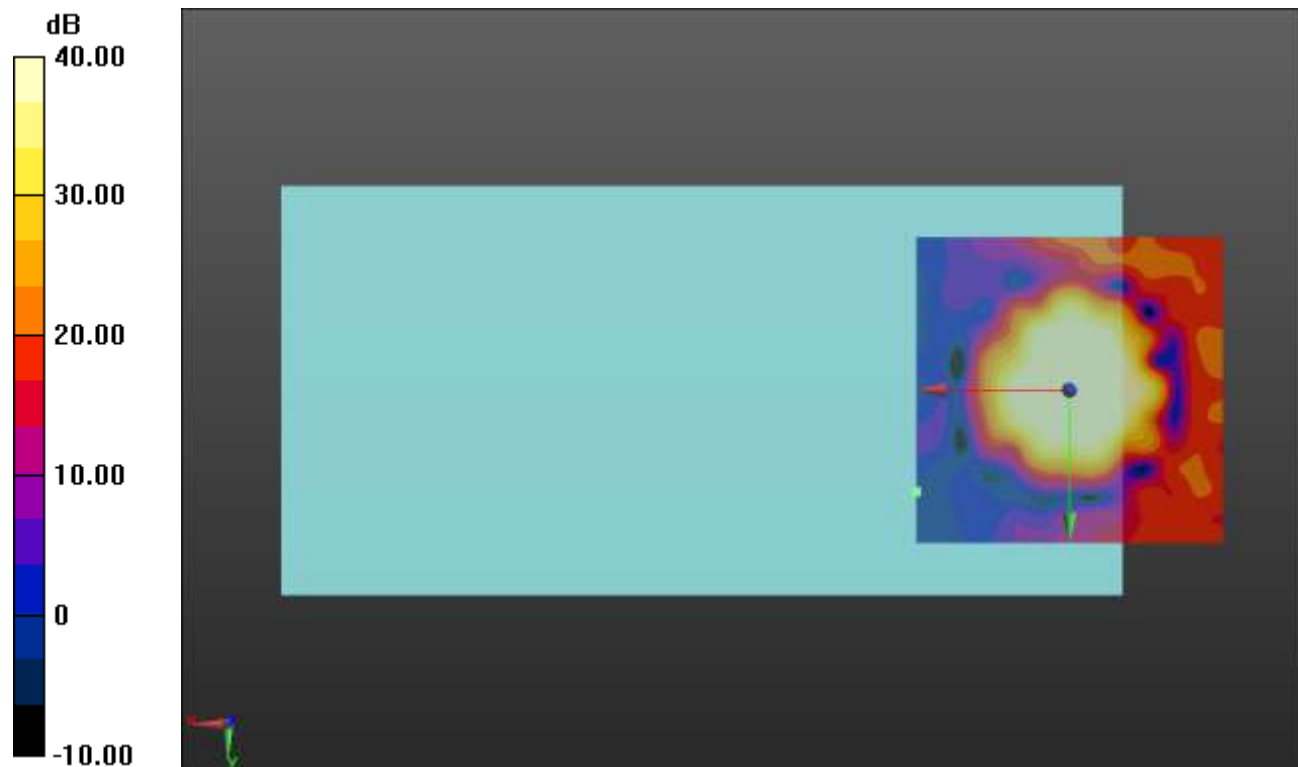
ABM1 comp = 8.04 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -0.4, 3.7 mm

ABM2 = -23.13 dBA/m

Location: 25, 16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 14

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 QPSK 10 MHz BW Ch. 23330 RB 50/0 EVS 5.9 kbps UAT 1/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 = 38.14 dB

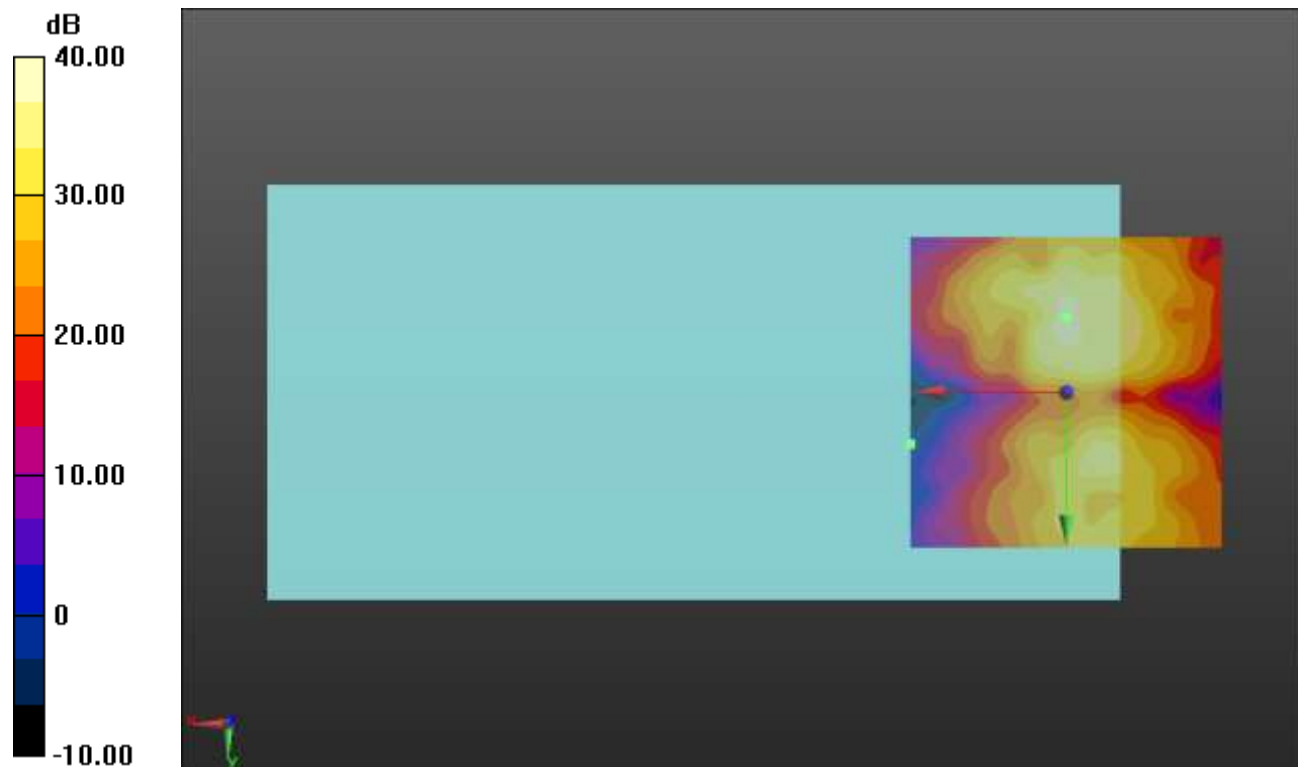
ABM1 comp = -5.11 dBA/m

BWC Factor = 0.16 dB

Location: 0, -12.1, 3.7 mm

ABM2 = -25.60 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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 100/0 RB_Ch 26365_EVS 5.9 kbps_ UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

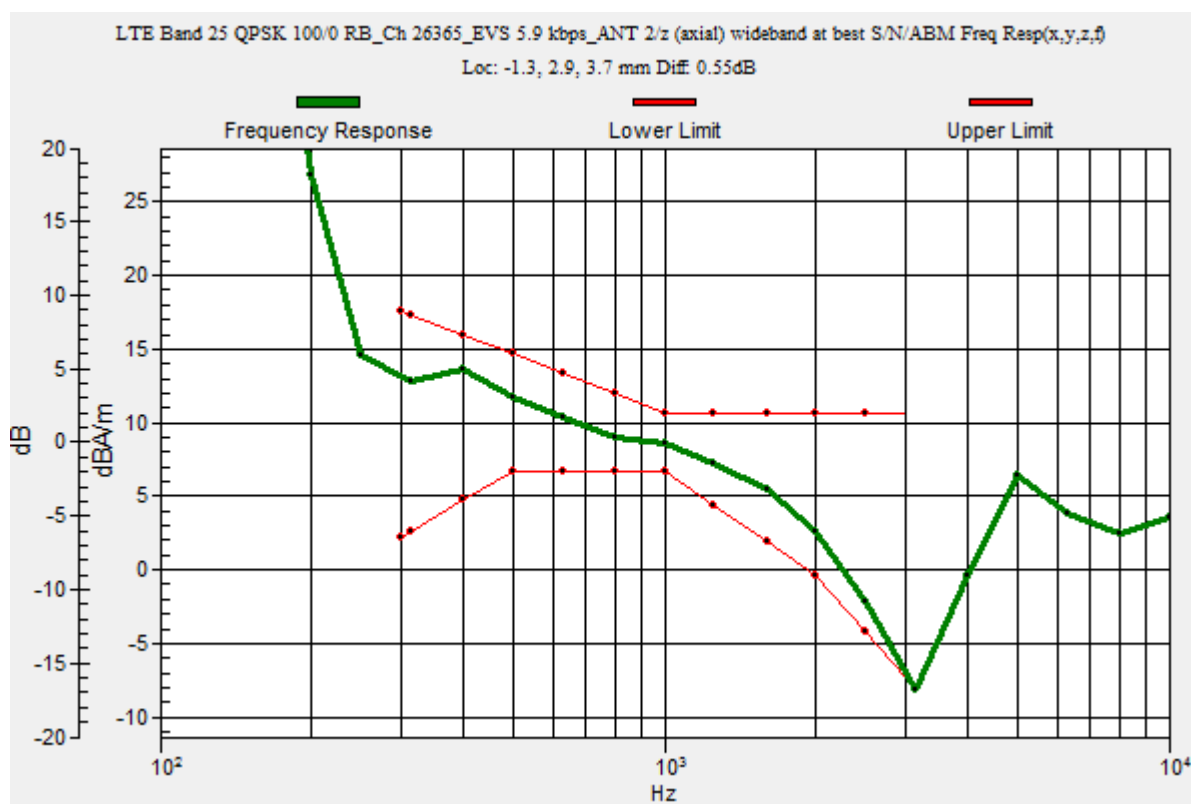
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.55 dB

BWC Factor = 10.80 dB

Location: -1.3, 2.9, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 QPSK 100/0 RB_Ch 26365_EVS 5.9 kbps_ UAT 1/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 = 45.42 dB

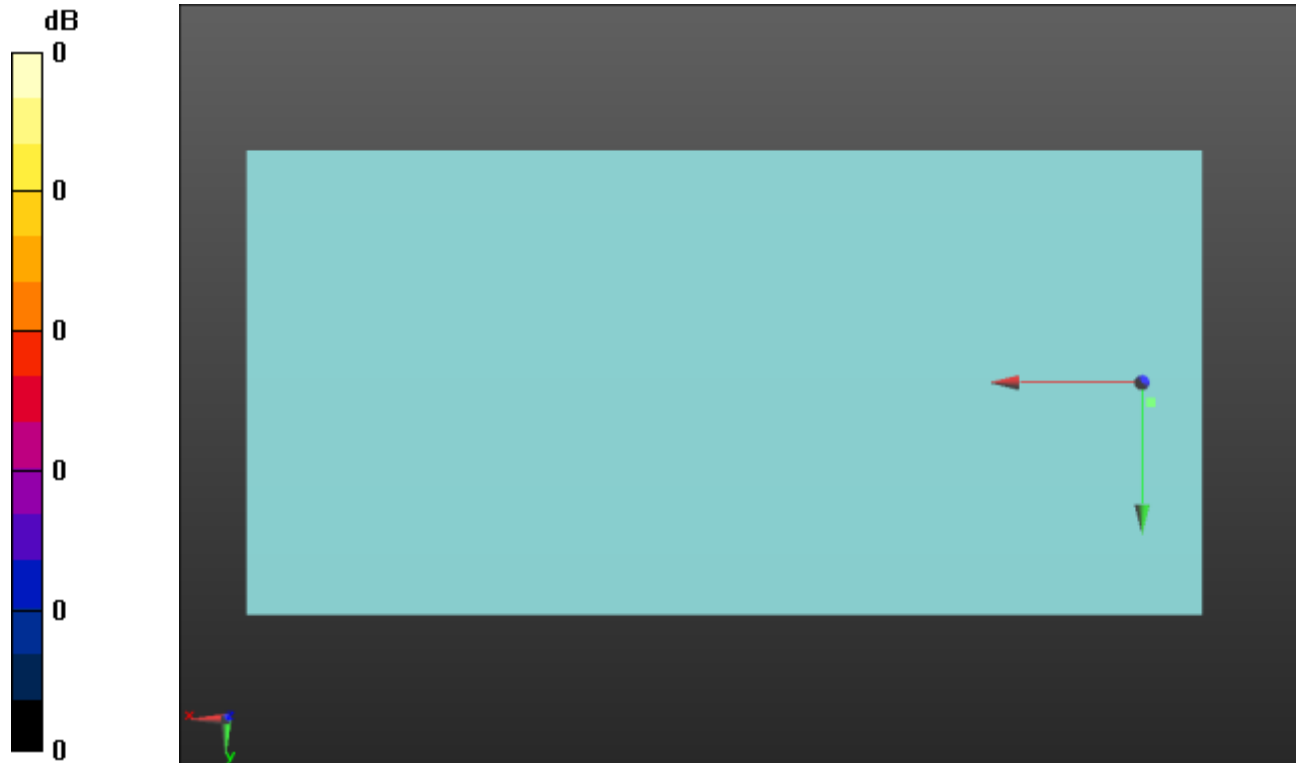
ABM1 comp = 6.81 dBA/m

BWC Factor = 0.16 dB

Location: -1.3, 2.9, 3.7 mm

ABM2 = -38.60 dBA/m

Location: -1.3, 2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 QPSK 100/0 RB_Ch 26365_EVS 5.9 kbps_ UAT 1/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 = 32.97 dB

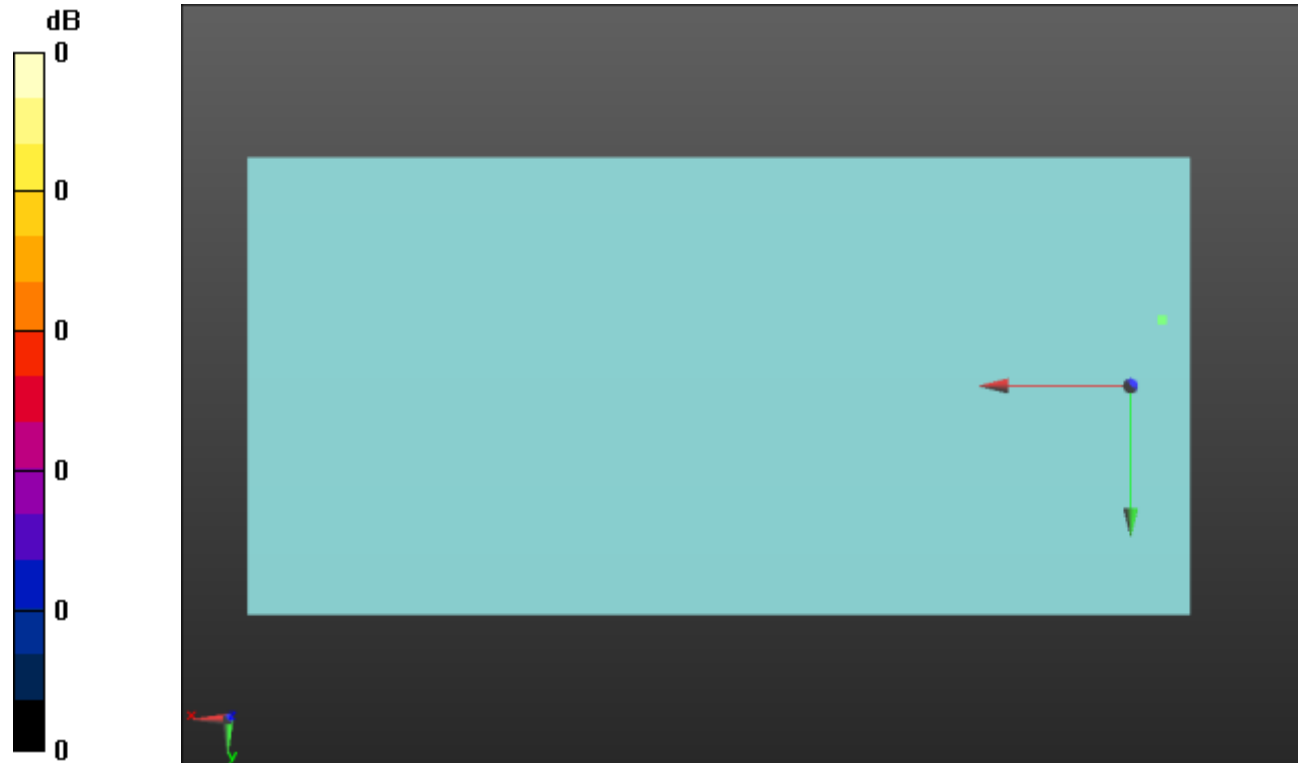
ABM1 comp = -8.79 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -9.7, 3.7 mm

ABM2 = -41.76 dBA/m

Location: -4.6, -9.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz BW QPSK 75/0 RB_Ch 26865_EVS 5.9 kbps_ UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

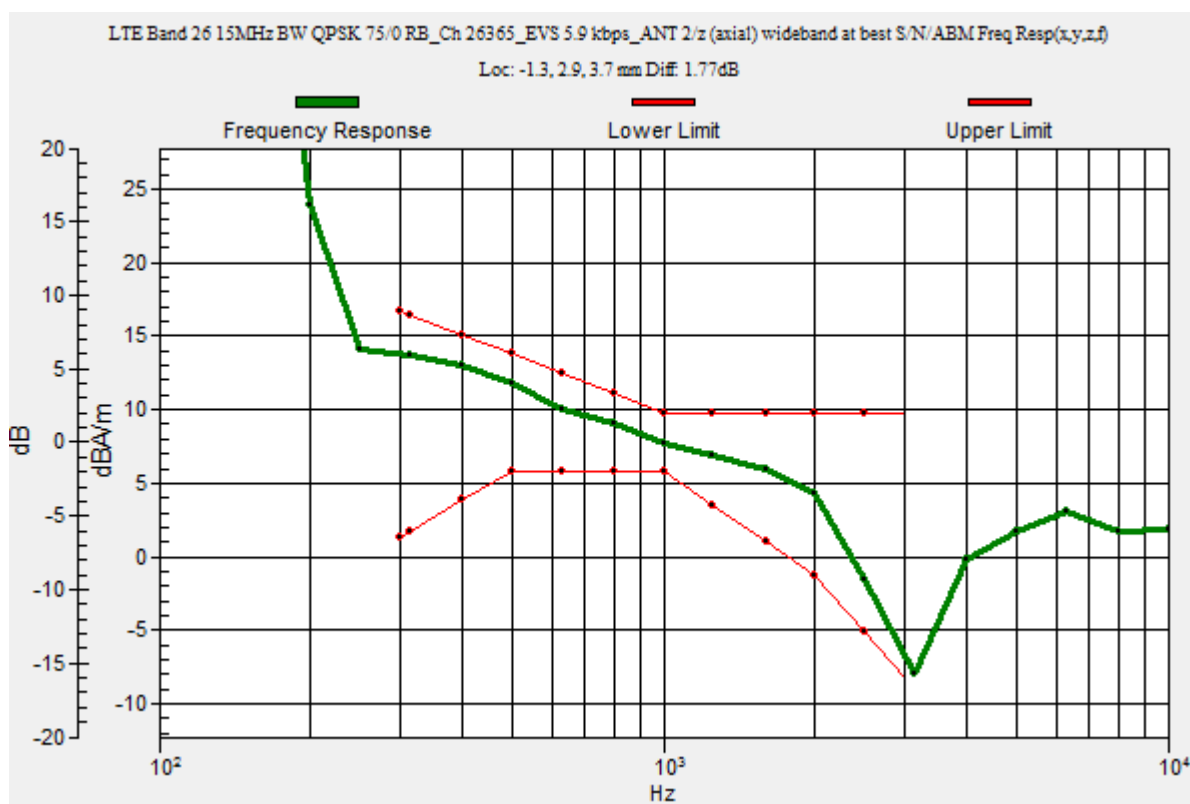
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.77 dB

BWC Factor = 10.80 dB

Location: -1.3, 2.9, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz BW QPSK 75/0 RB_Ch 26865_EVS 5.9 kbps_UAT 1/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 = 40.55 dB

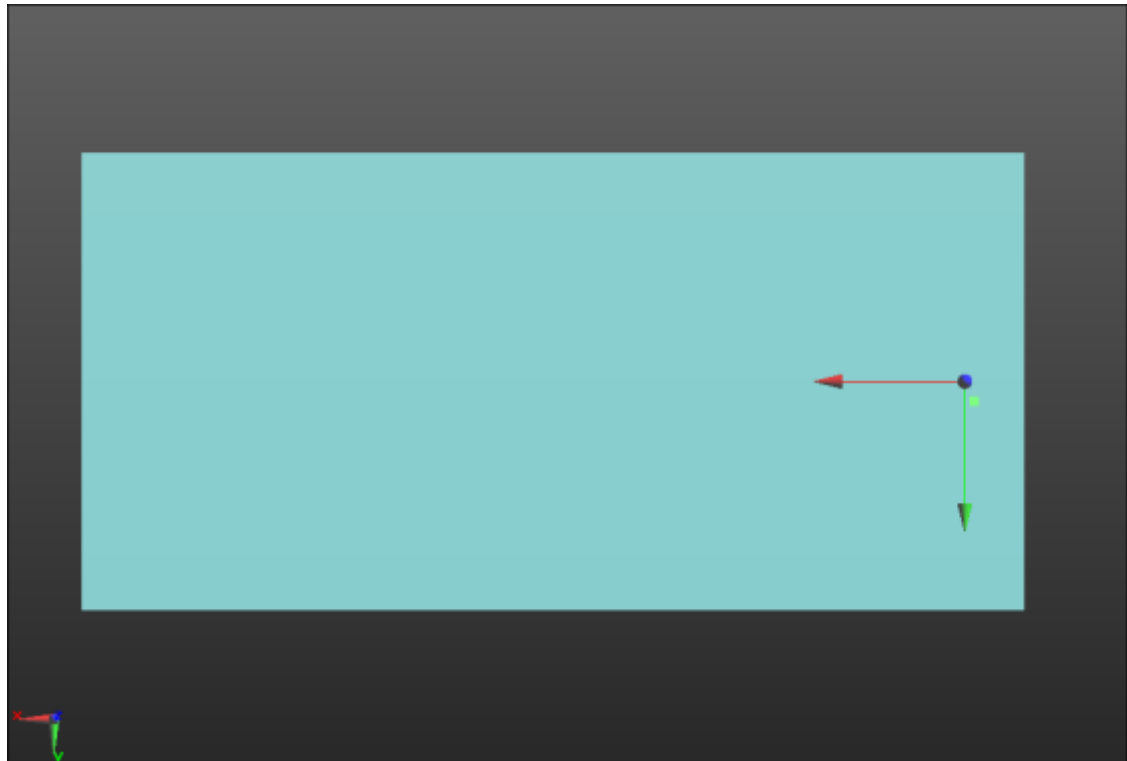
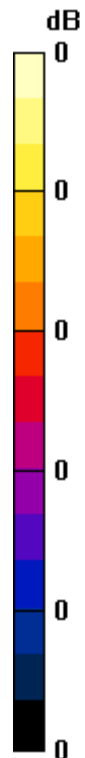
ABM1 comp = 2.11 dBA/m

BWC Factor = 0.16 dB

Location: -1.3, 2.9, 3.7 mm

ABM2 = -38.44 dBA/m

Location: -1.3, 2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz BW QPSK 75/0 RB_Ch 26865_EVS 5.9 kbps_ UAT 1/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 = 36.09 dB

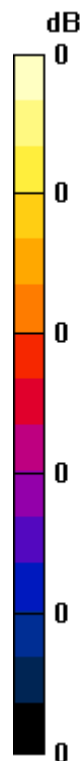
ABM1 comp = -5.92 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -9.7, 3.7 mm

ABM2 = -42.01 dBA/m

Location: -4.6, -9.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 QPSK 10 MHz BW Ch. 27710 RB 50/0 EVS 5.9 kbps UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

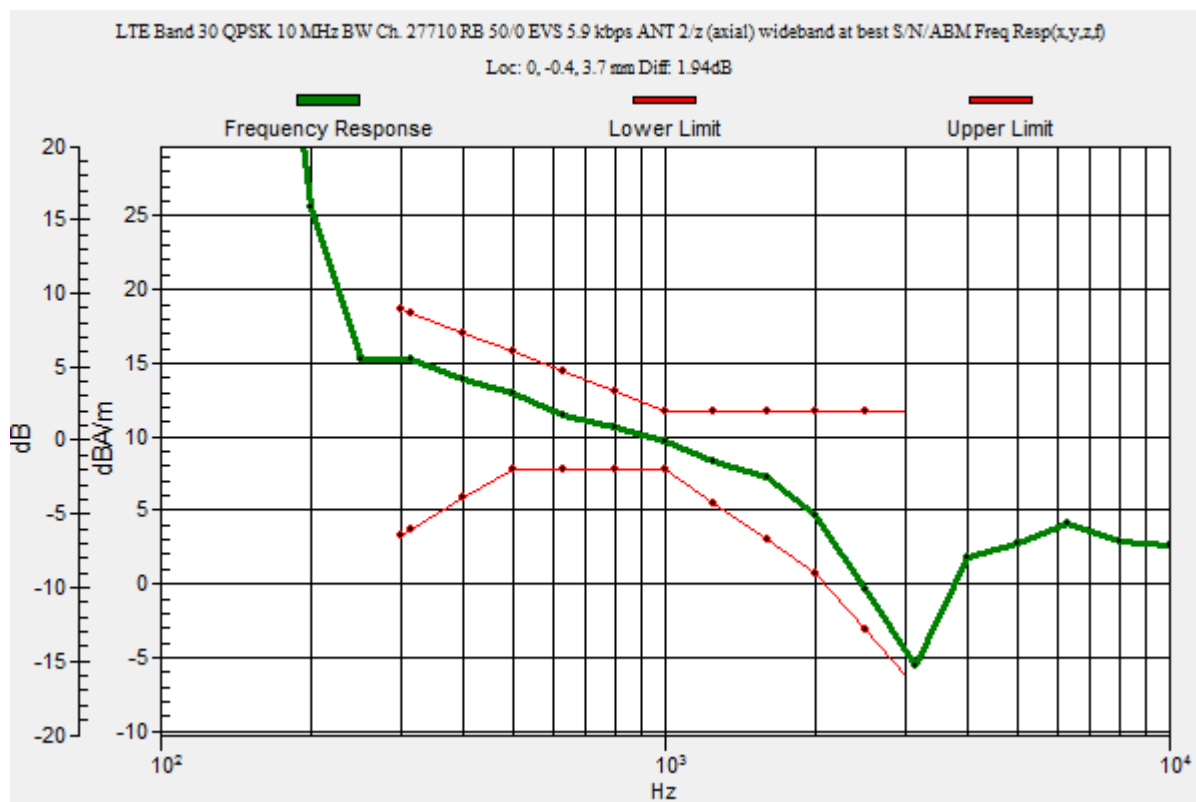
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.94 dB

BWC Factor = 10.80 dB

Location: 0, -0.4, 3.7 mm



LTE Band 30

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 QPSK 10 MHz BW Ch. 27710 RB 50/0 EVS 5.9 kbps UAT 1/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 = 47.36 dB

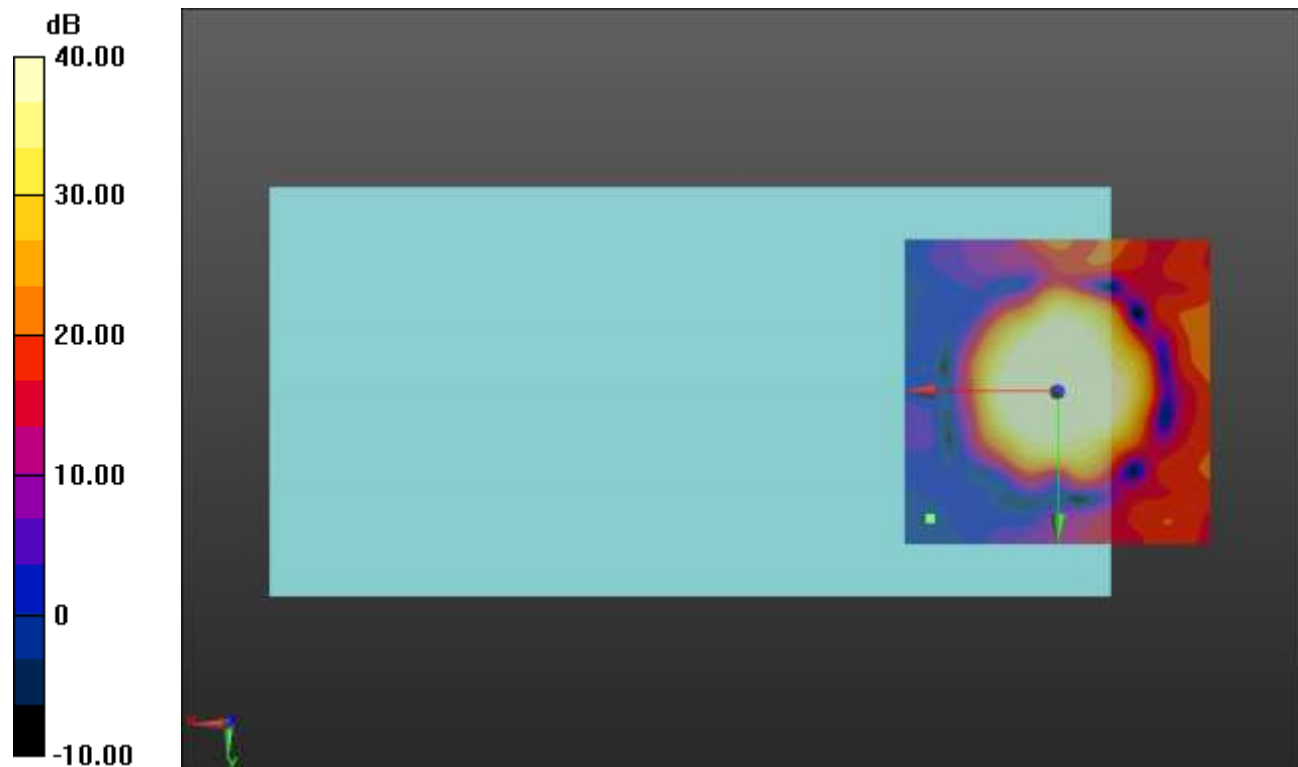
ABM1 comp = 8.45 dBA/m

BWC Factor = 0.16 dB

Location: 0, -0.4, 3.7 mm

ABM2 = -21.60 dBA/m

Location: 20.8, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 QPSK 10 MHz BW Ch. 27710 RB 50/0 EVS 5.9 kbps UAT 1/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 = 36.85 dB

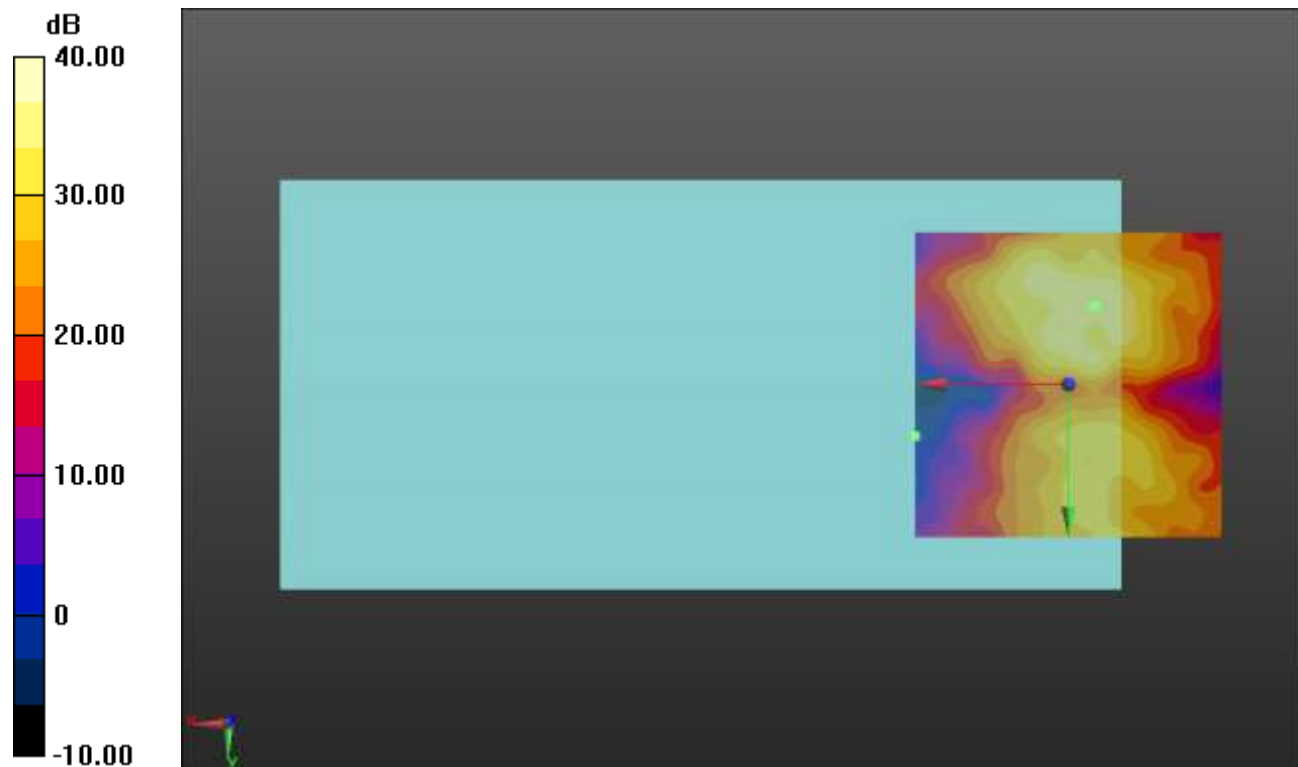
ABM1 comp = -6.39 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -12.9, 3.7 mm

ABM2 = -24.60 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE TDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 64QAM 50/0 RB_Ch 40620_EVS 5.90 kbps_ UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

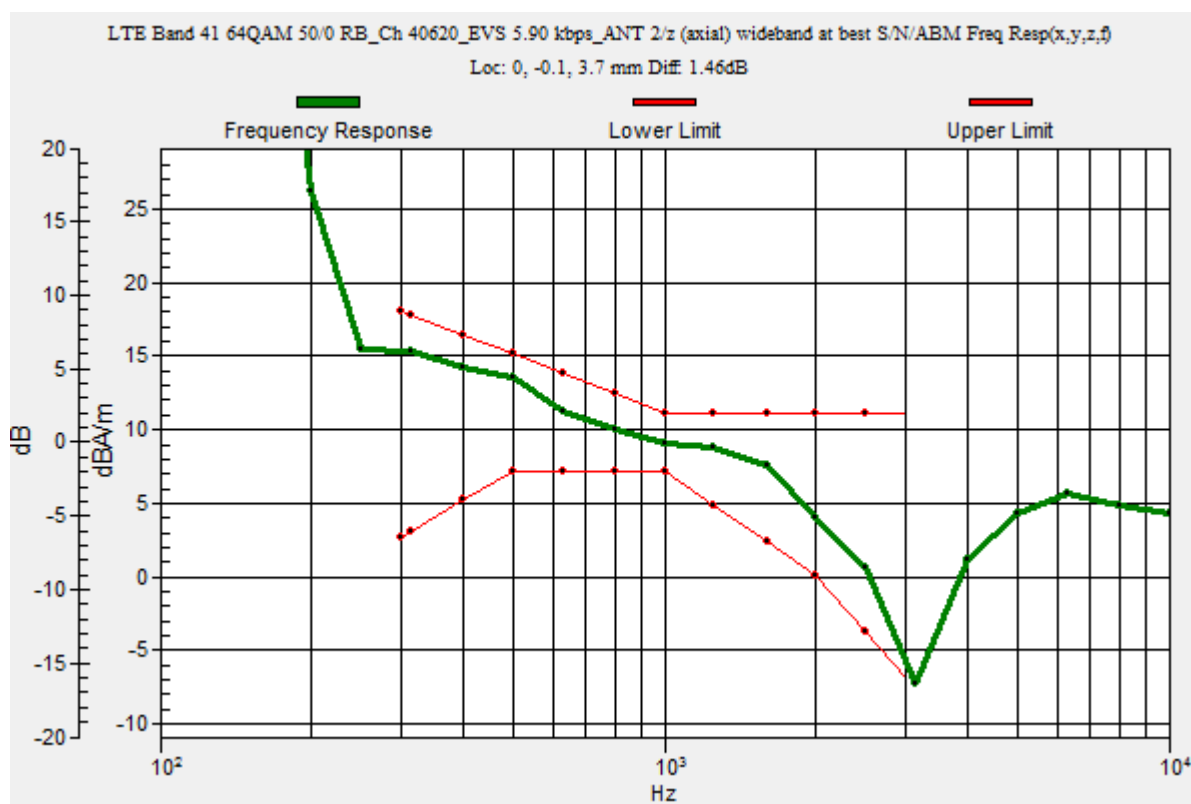
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.46 dB

BWC Factor = 10.80 dB

Location: 0, -0.1, 3.7 mm



LTE TDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 64QAM 50/0 RB_Ch 40620_EVS 5.90 kbps_ UAT 1/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 = 41.97 dB

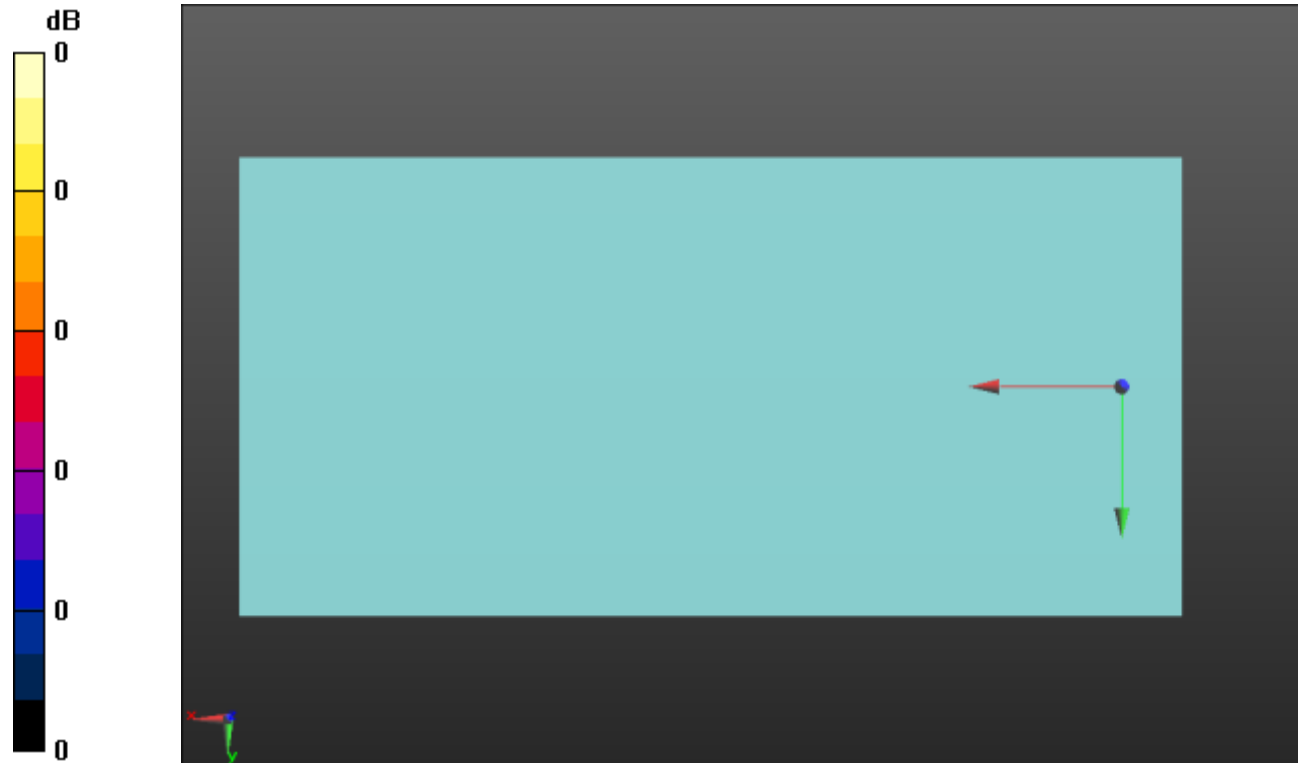
ABM1 comp = 7.85 dBA/m

BWC Factor = 0.16 dB

Location: 0, -0.1, 3.7 mm

ABM2 = -34.13 dBA/m

Location: 0, -0.1, 3.7 mm



LTE TDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 64QAM 50/0 RB_Ch 40620_EVS 5.90 kbps_ UAT 1/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 = 31.83 dB

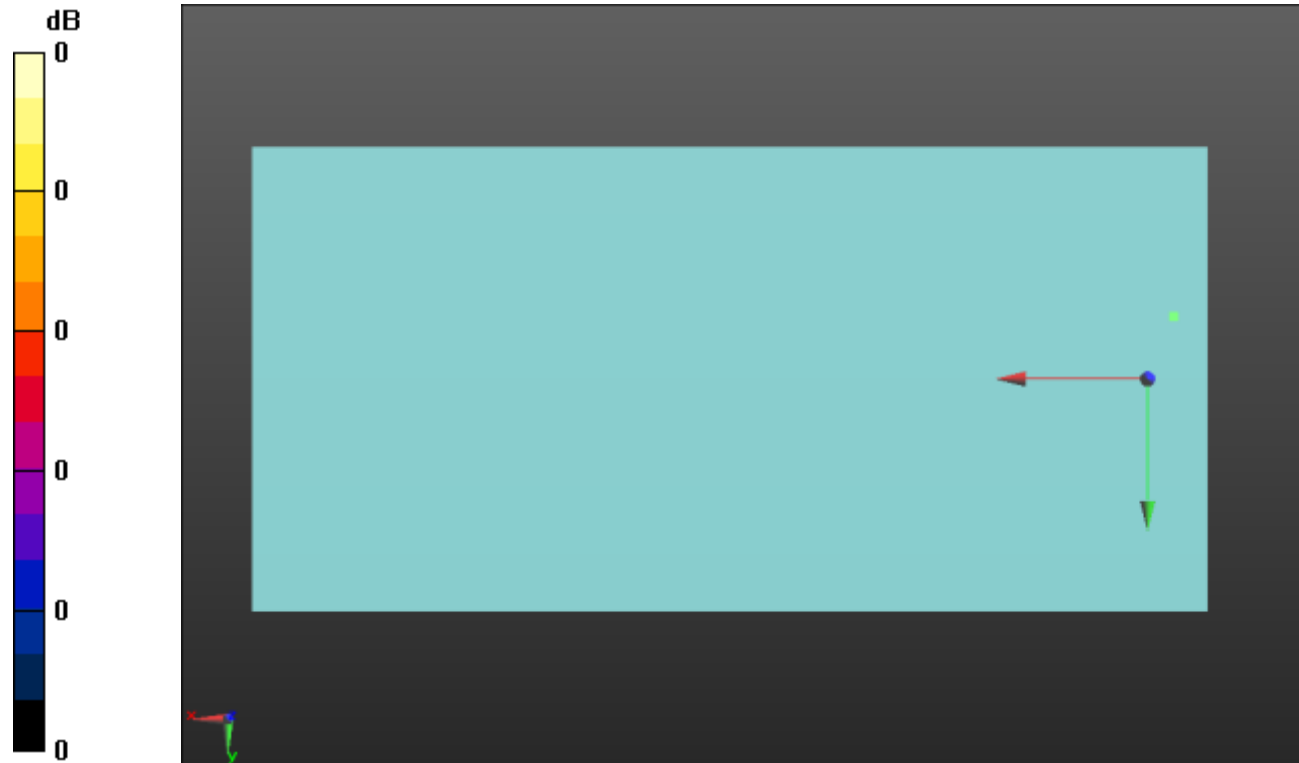
ABM1 comp = -9.28 dBA/m

BWC Factor = 0.16 dB

Location: -3.8, -9, 3.7 mm

ABM2 = -41.12 dBA/m

Location: -3.8, -9, 3.7 mm



LTE Band 48

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 64QAM 20 MHz BW Ch. 55990 RB 50/0 EVS 5.9 kbps LAT 3/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

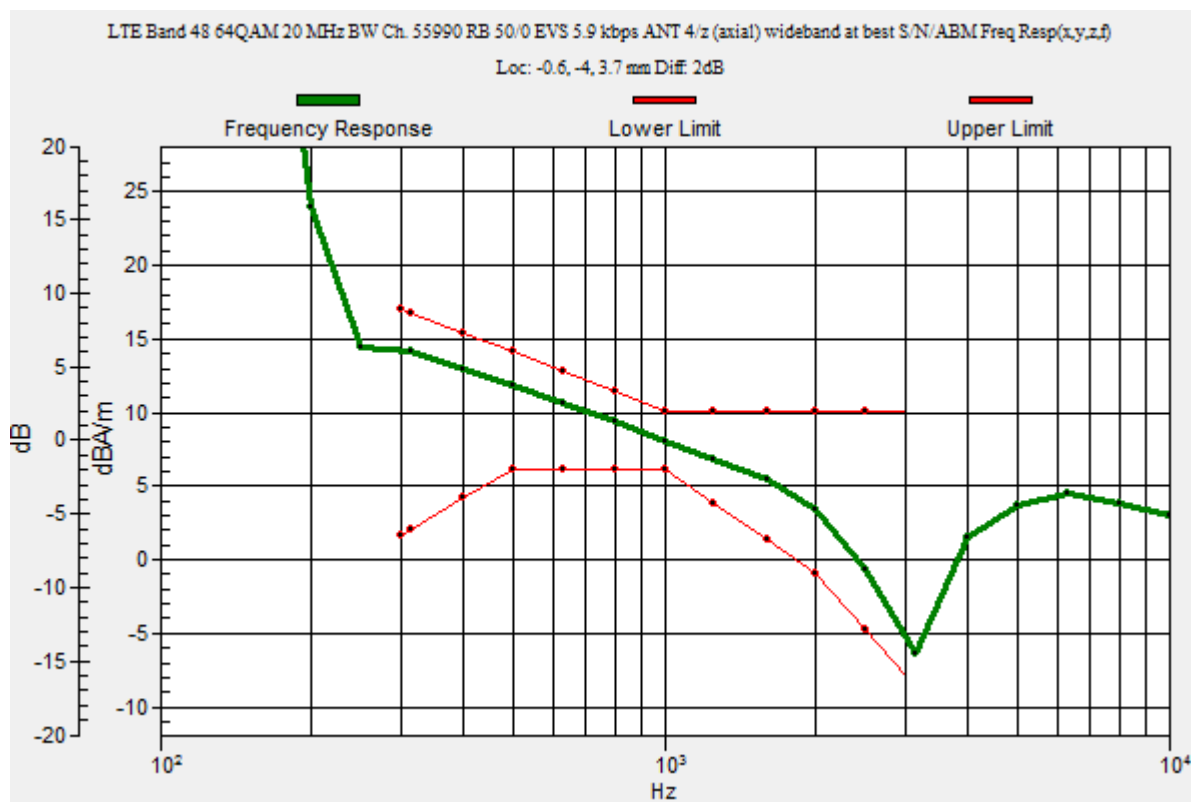
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -0.6, -4, 3.7 mm



LTE Band 48

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 64QAM 20 MHz BW Ch. 55990 RB 50/0 EVS 5.9 kbps LAT 3/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 = 43.90 dB

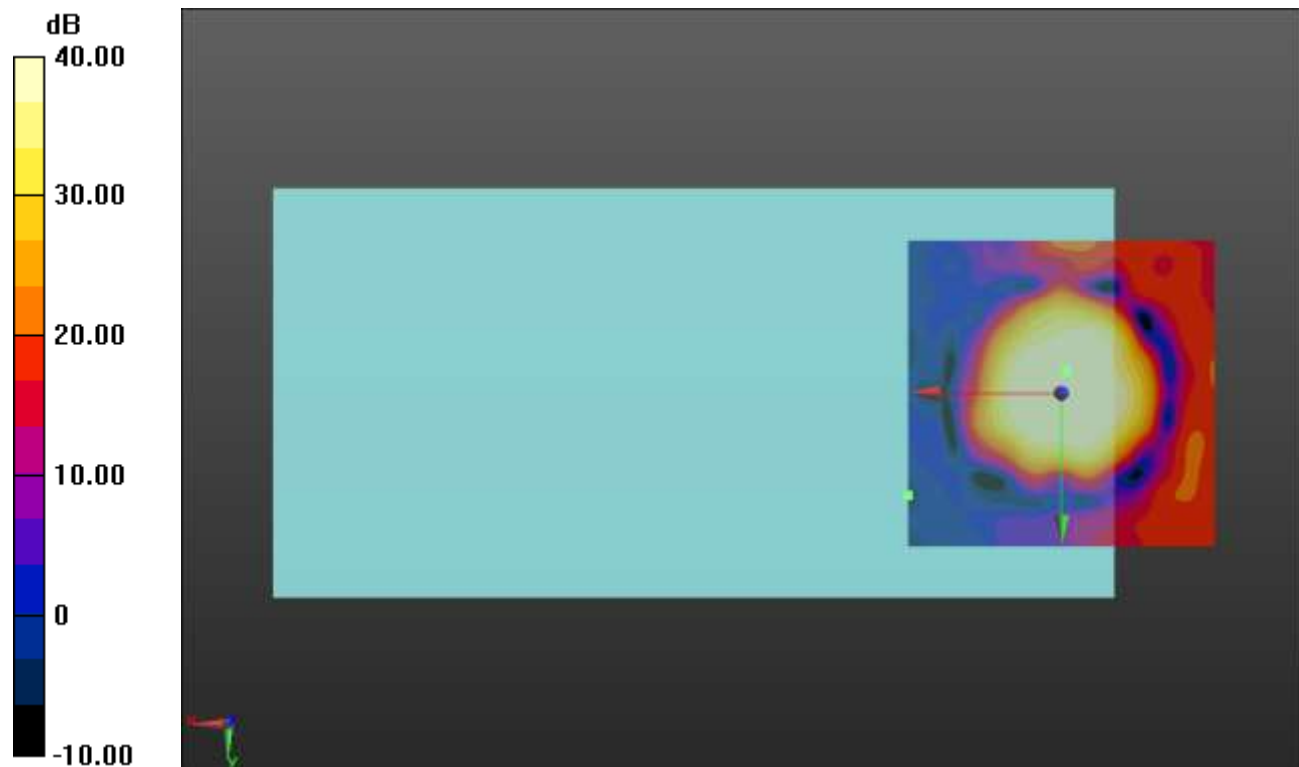
ABM1 comp = 6.30 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -3.8, 3.7 mm

ABM2 = -22.01 dBA/m

Location: 25, 16.7, 3.7 mm



LTE Band 48

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48 64QAM 20 MHz BW
Ch. 55990 RB 50/0 EVS 5.9 kbps LAT 3/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 = 37.48 dB

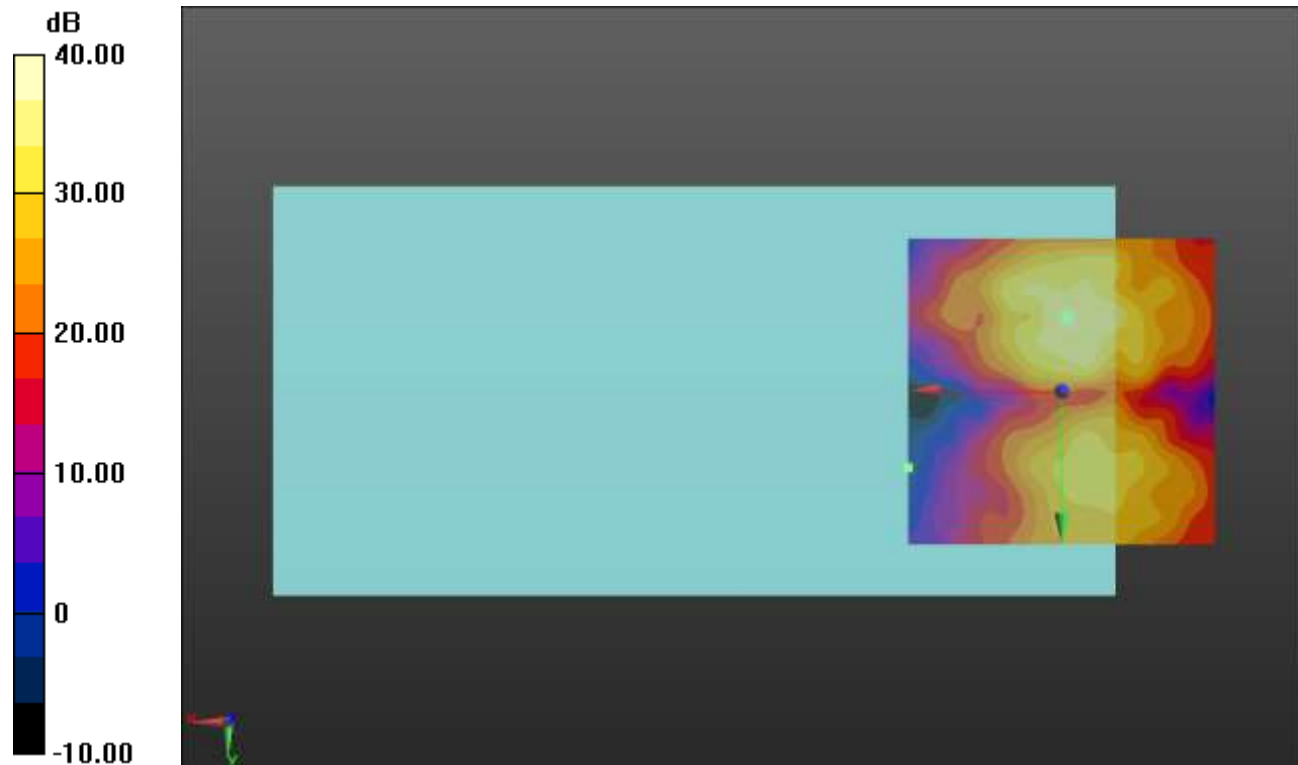
ABM1 comp = -5.06 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -12.1, 3.7 mm

ABM2 = -23.47 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 66

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 QPSK 20 MHz BW Ch. 132322 RB 100/0 EVS 5.9 kbps UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

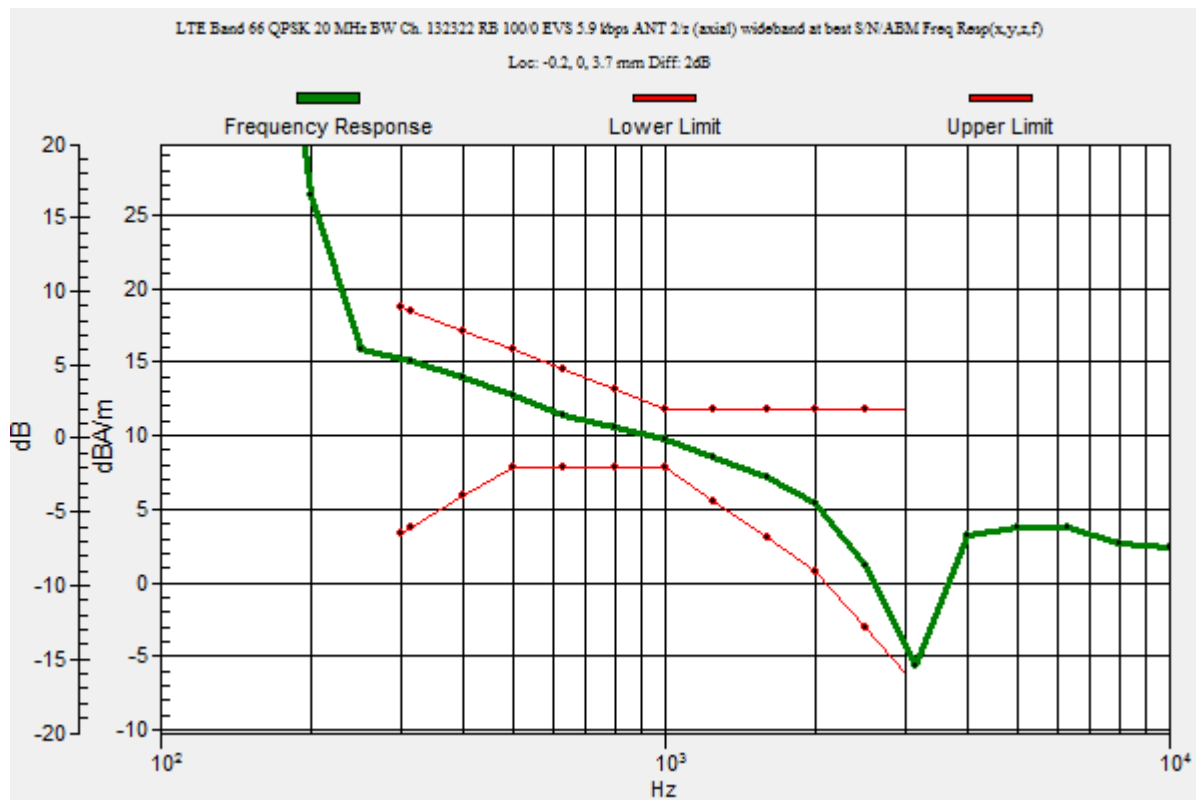
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -0.2, 0, 3.7 mm



LTE Band 66

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 QPSK 20 MHz BW Ch. 132322 RB 100/0 EVS 5.9 kbps UAT 1/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 = 46.43 dB

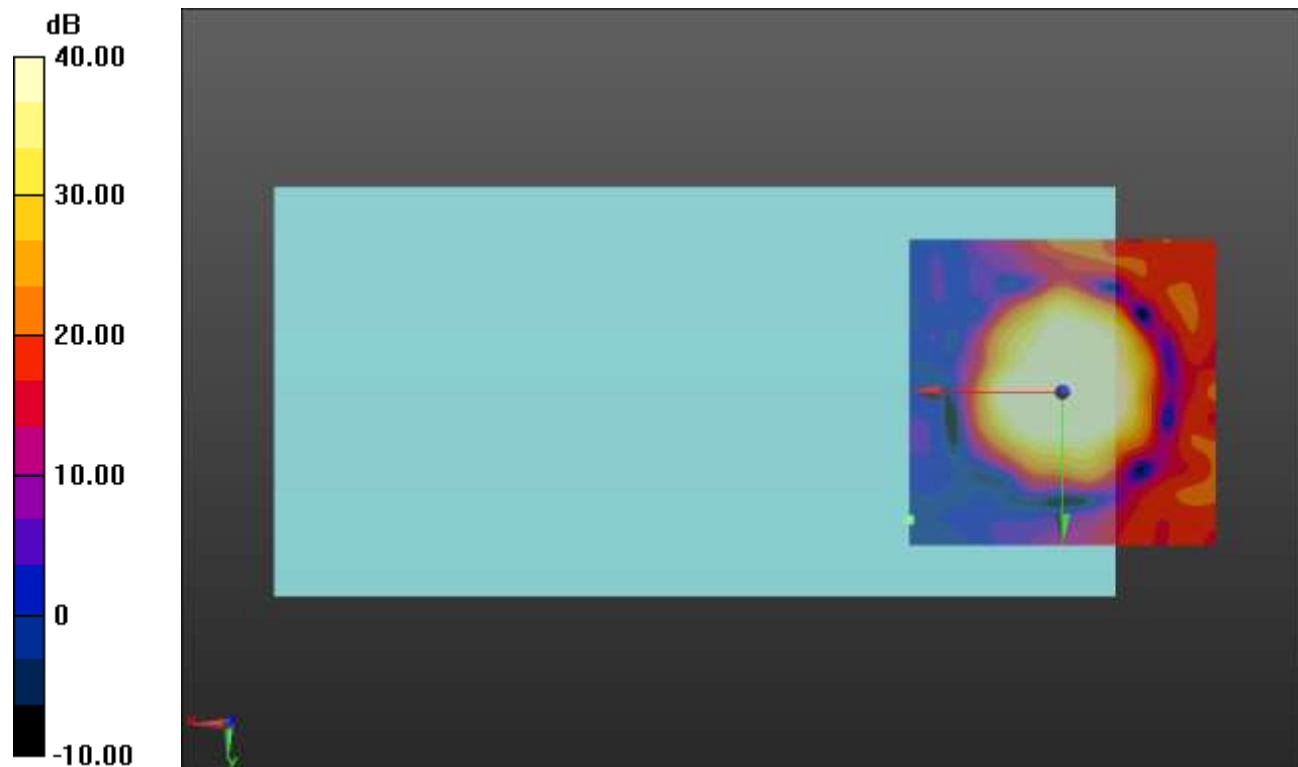
ABM1 comp = 8.36 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 0, 3.7 mm

ABM2 = -24.15 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 66

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 QPSK 20 MHz BW Ch. 132322 RB 100/0 EVS 5.9 kbps UAT 1/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 = 36.52 dB

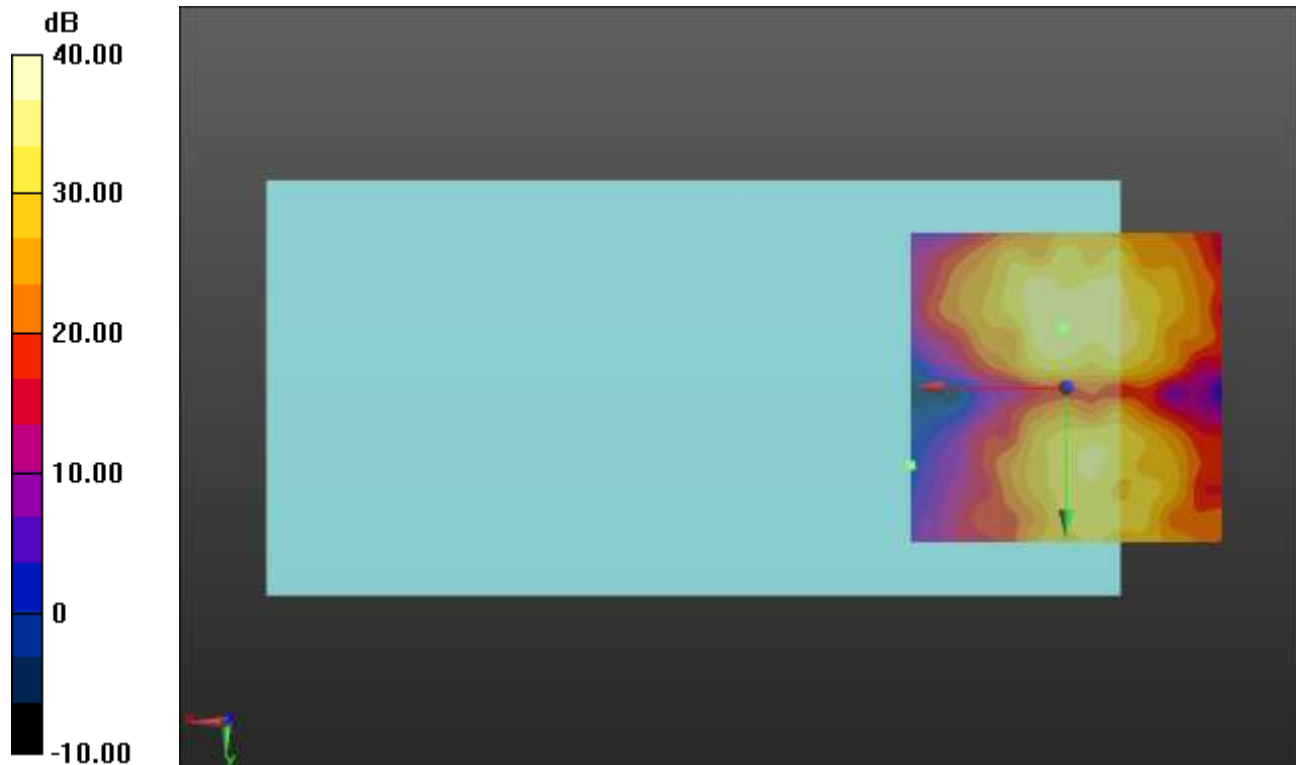
ABM1 comp = -3.61 dBA/m

BWC Factor = 0.16 dB

Location: 0.4, -9.6, 3.7 mm

ABM2 = -25.42 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 71

Communication System: UID 0, @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 20 MHz BW Ch. 133297 RB 100/0 EVS 5.9 kbps UAT 1/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: 47.2

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

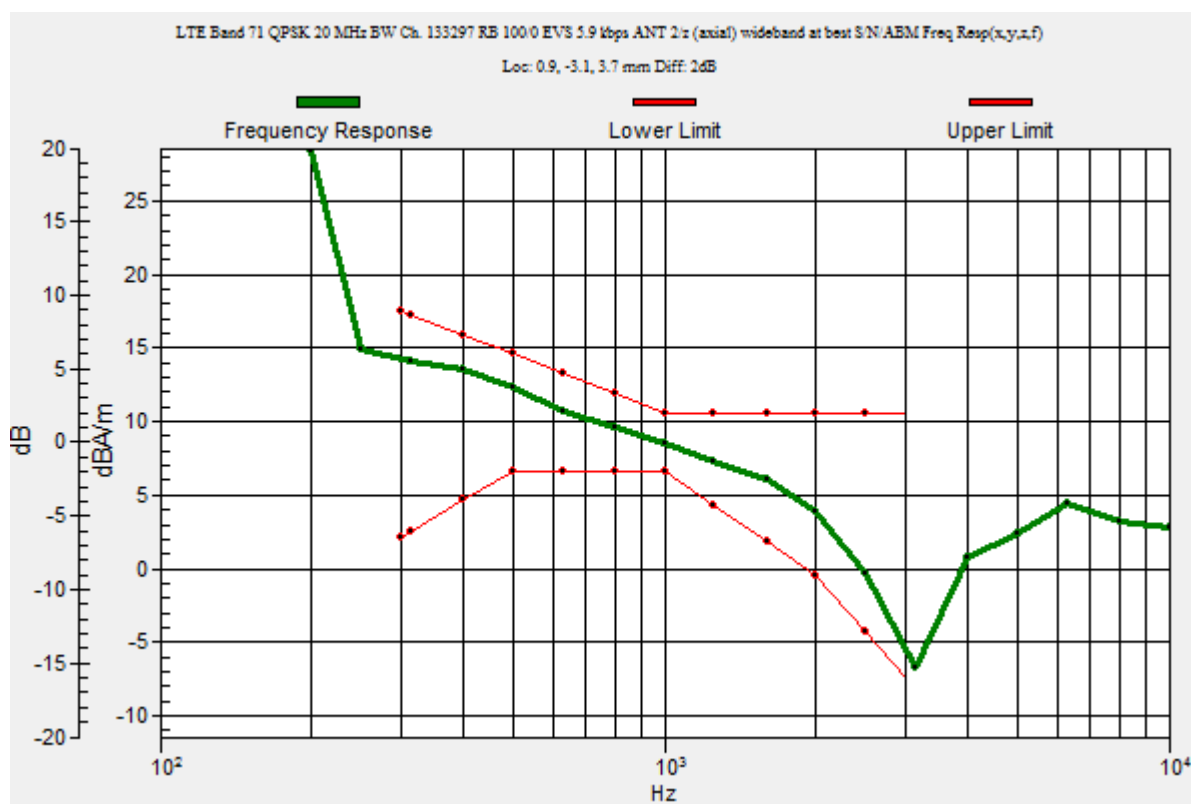
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 0.9, -3.1, 3.7 mm



LTE Band 71

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 QPSK 20 MHz BW Ch. 133297 RB 100/0 EVS 5.9 kbps UAT 1/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 = 45.47 dB

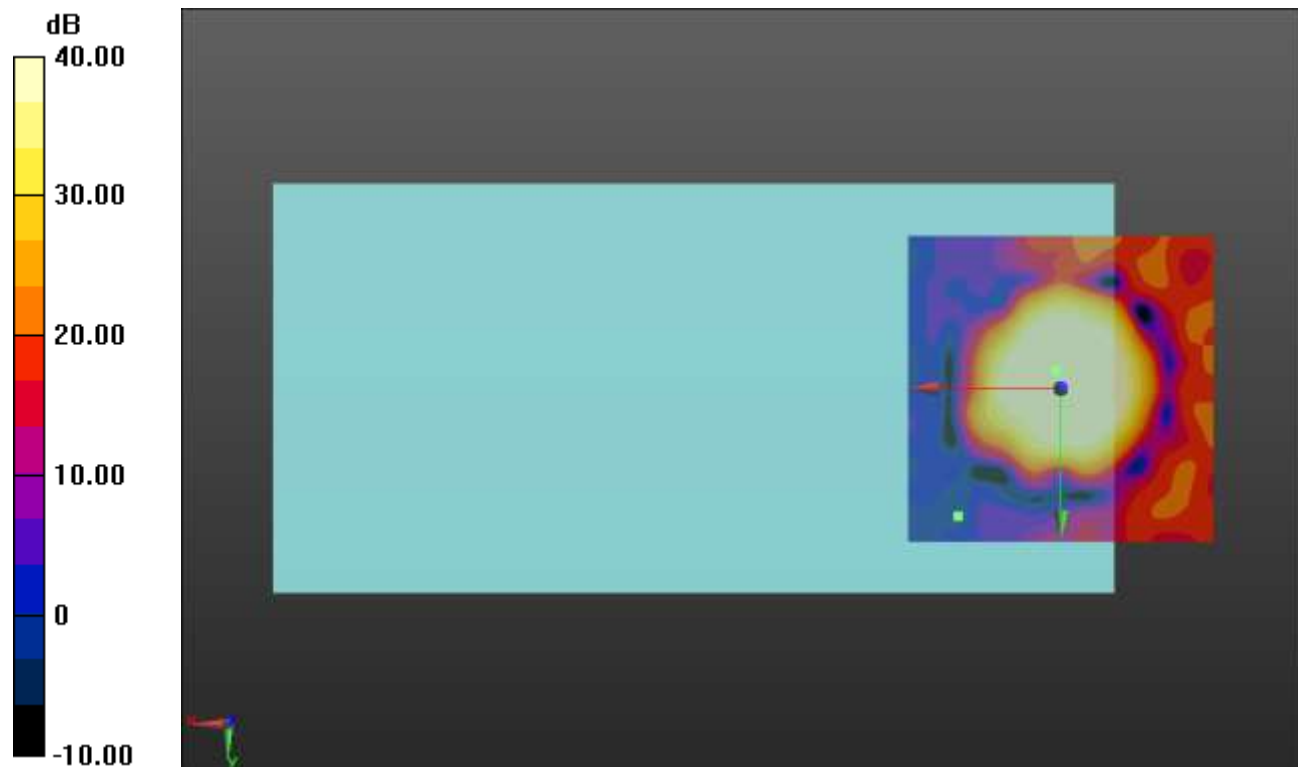
ABM1 comp = 7.94 dBA/m

BWC Factor = 0.16 dB

Location: 0.8, -2.9, 3.7 mm

ABM2 = -24.04 dBA/m

Location: 16.7, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 71

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 QPSK 20 MHz BW Ch. 133297 RB 100/0 EVS 5.9 kbps UAT 1/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 = 37.83 dB

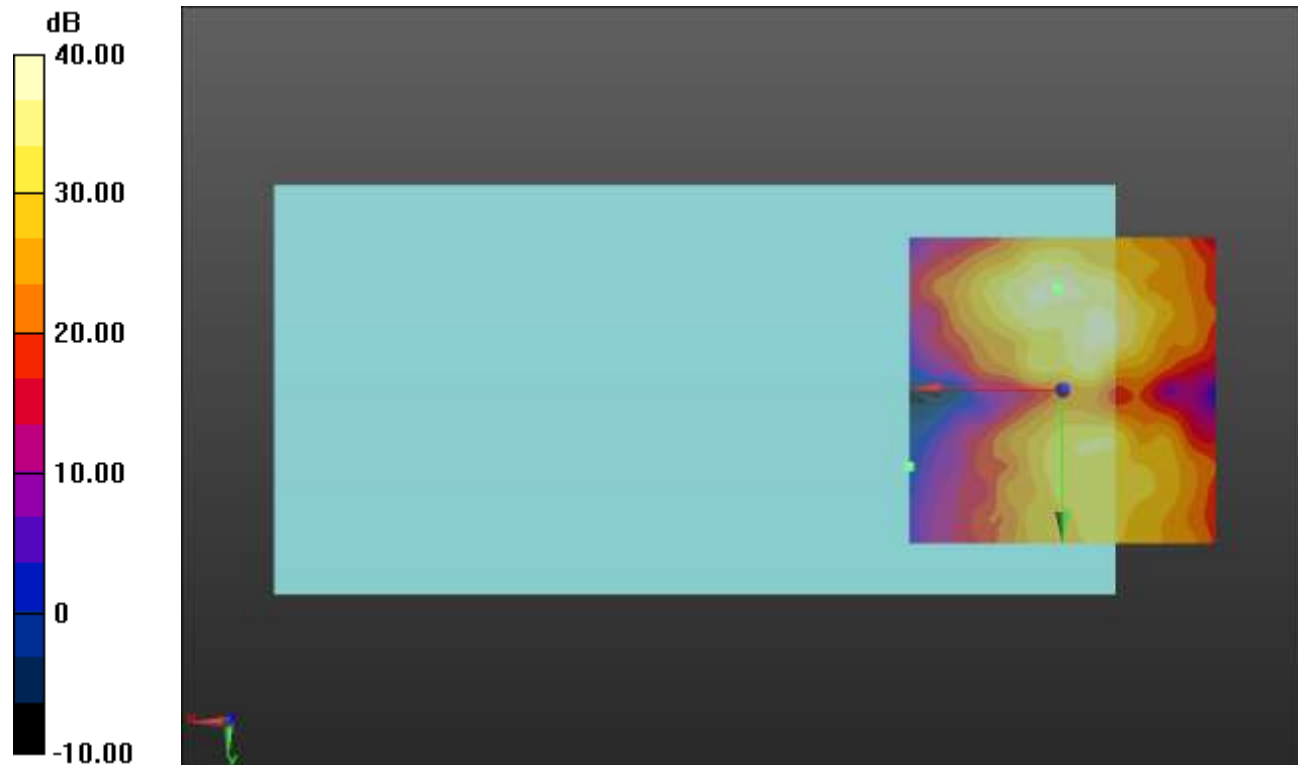
ABM1 comp = -8.86 dBA/m

BWC Factor = 0.16 dB

Location: 0.8, -16.7, 3.7 mm

ABM2 = -25.91 dBA/m

Location: 25, 12.5, 3.7 mm



WiFi 802.11n

Communication System: UID 0, @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)/802.11n MCS3 26 Mbps_Ch_6_EVS 9.6 kbps_UAT 1/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: 29.78

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

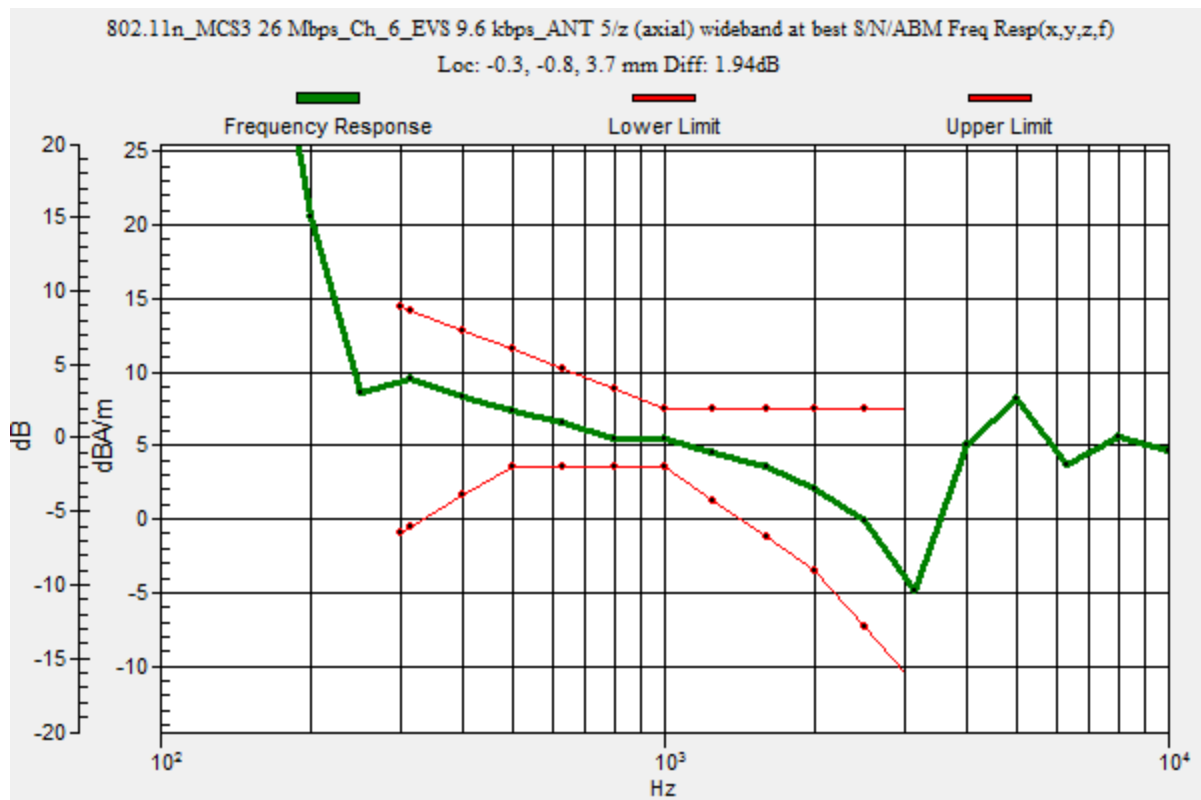
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.94 dB

BWC Factor = 10.80 dB

Location: -0.3, -0.8, 3.7 mm



WiFi 802.11n

Communication System: UID 0, @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: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n_MCS3 26

Mbps_Ch_6_EVS 9.6 kbps_UAT 1/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 = 45.96 dB

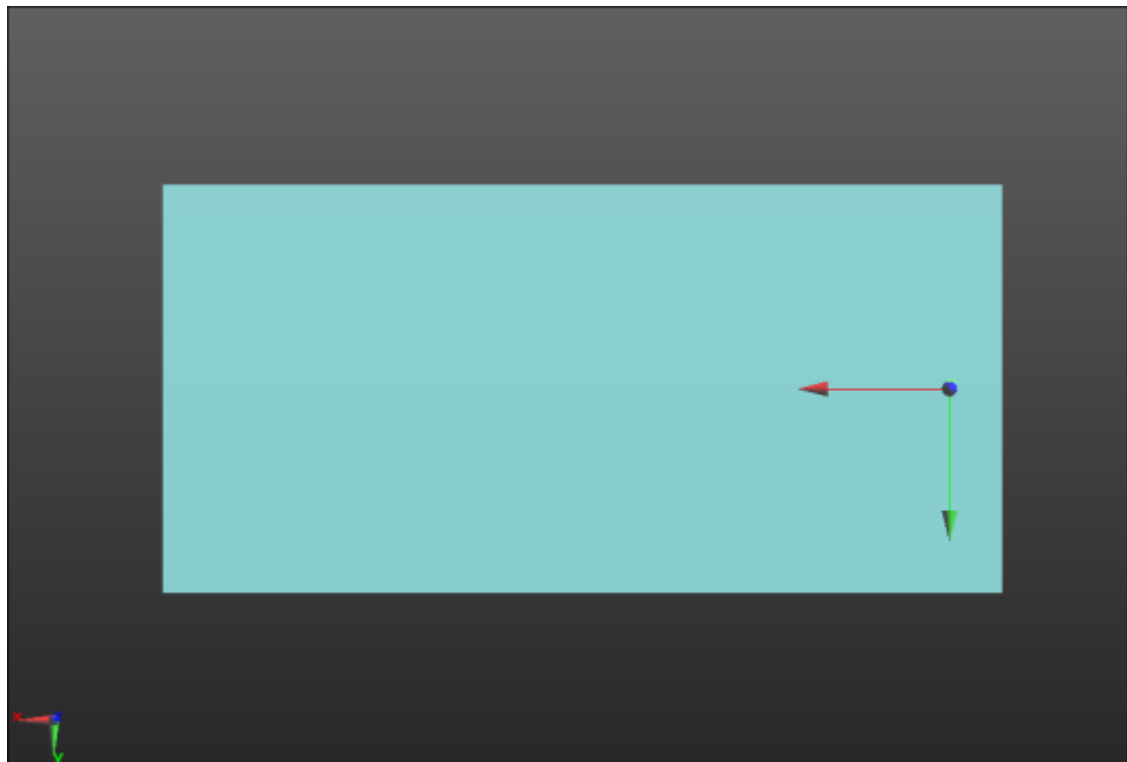
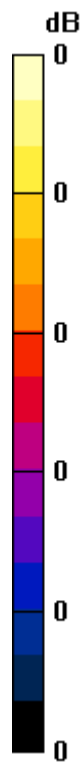
ABM1 comp = 5.85 dBA/m

BWC Factor = 0.16 dB

Location: -0.3, -0.8, 3.7 mm

ABM2 = -40.10 dBA/m

Location: -0.3, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

WiFi 802.11n

Communication System: UID 0, @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: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n_MCS3 26

Mbps_Ch_6_EVS 9.6 kbps_ UAT 1/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 = 34.02 dB

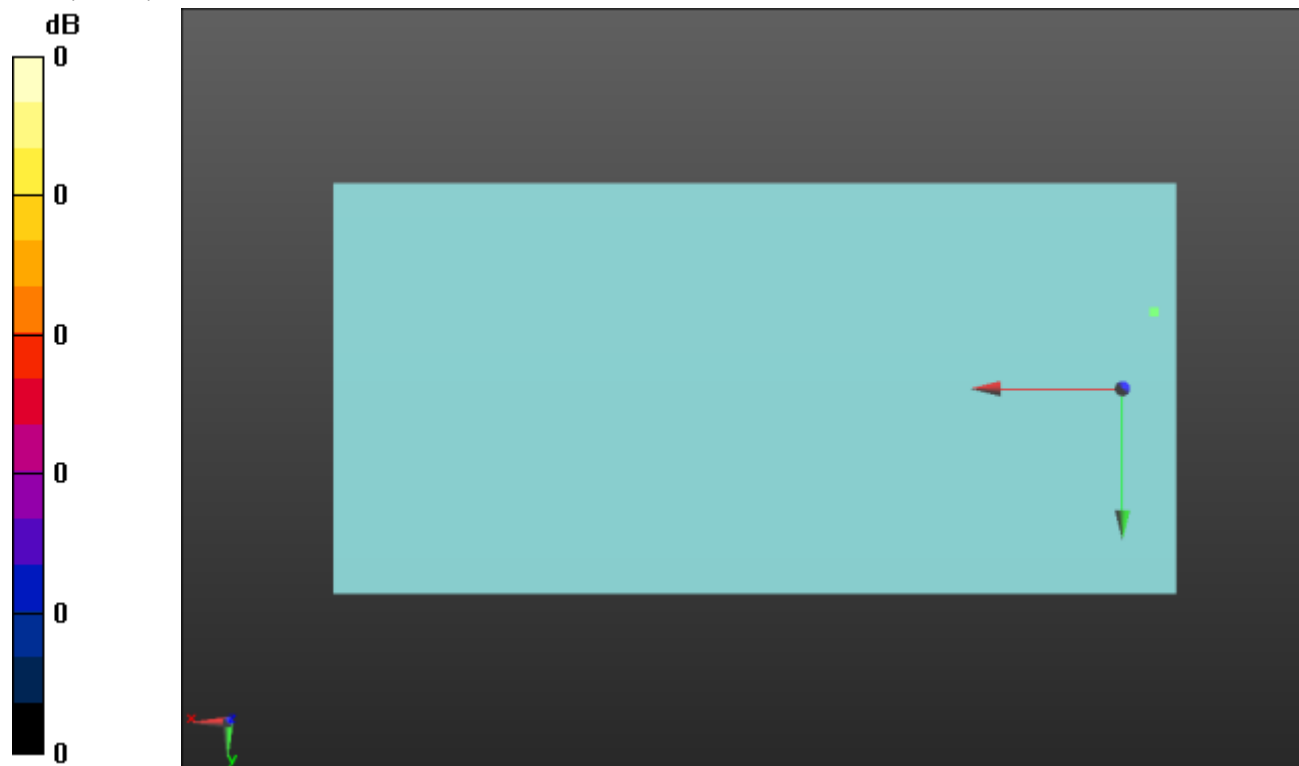
ABM1 comp = -6.09 dBA/m

BWC Factor = 0.16 dB

Location: -5.1, -12.5, 3.7 mm

ABM2 = -40.11 dBA/m

Location: -5.1, -12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5180 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6 Mbps_Ch_36_EVS 24.4 kbps_UAT 2/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: 29.78

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

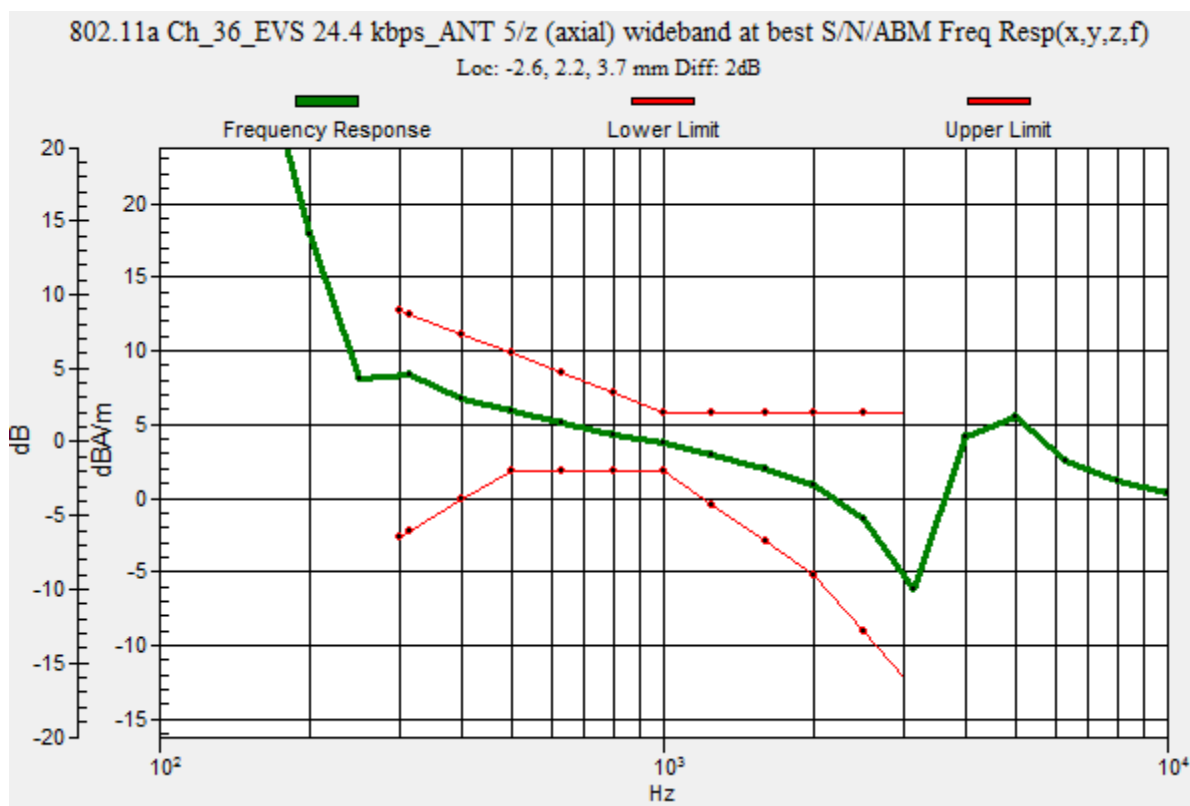
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -2.6, 2.2, 3.7 mm



WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6 Mbps_Ch_36_EVS 24.4 kbps_ UAT 2/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 = 48.75 dB

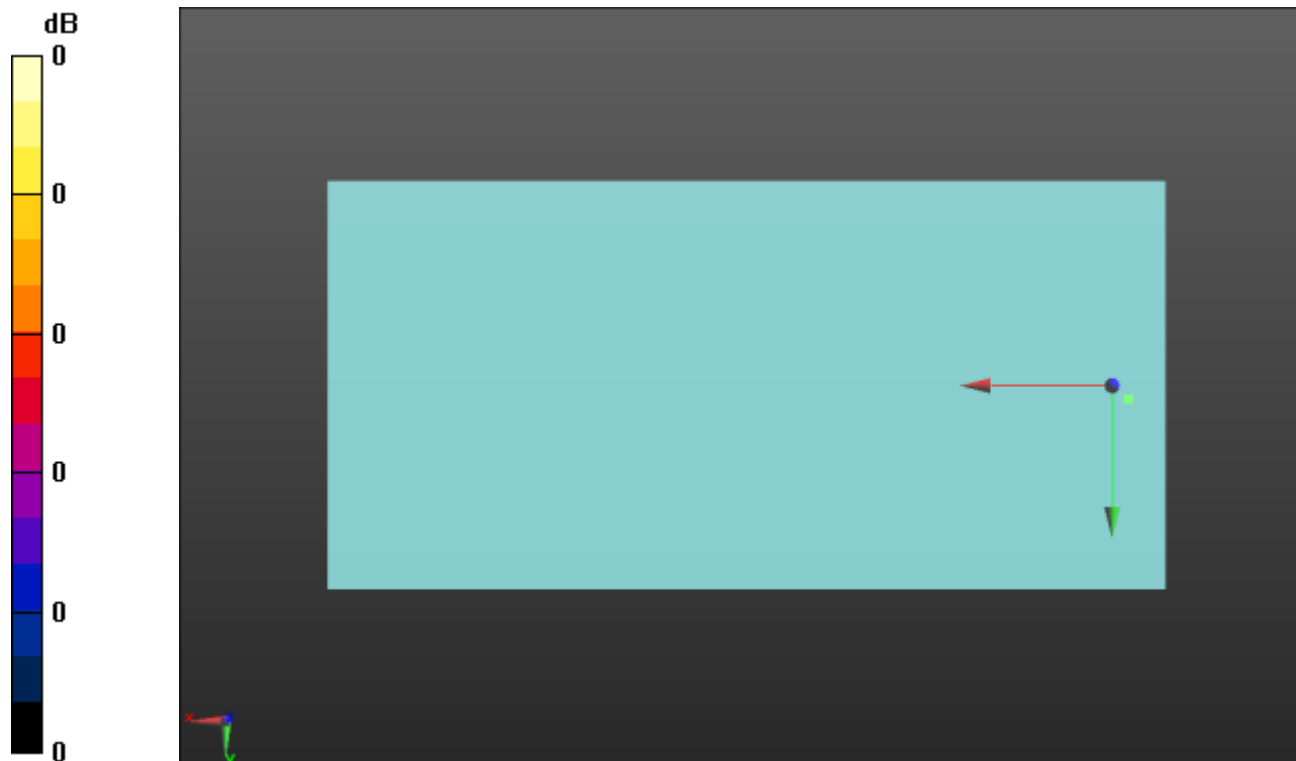
ABM1 comp = 4.35 dBA/m

BWC Factor = 0.16 dB

Location: -2.6, 2.2, 3.7 mm

ABM2 = -44.40 dBA/m

Location: -2.6, 2.2, 3.7 mm



WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5180 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6 Mbps_Ch_36_EVS 24.4 kbps_ UAT 2/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 = 39.35 dB

ABM1 comp = -6.56 dBA/m

BWC Factor = 0.16 dB

Location: 0.5, -13.3, 3.7 mm

ABM2 = -45.91 dBA/m

Location: 0.5, -13.3, 3.7 mm



WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5260 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_52_EVS 24.4 kbps_ UAT 2/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: 29.78

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

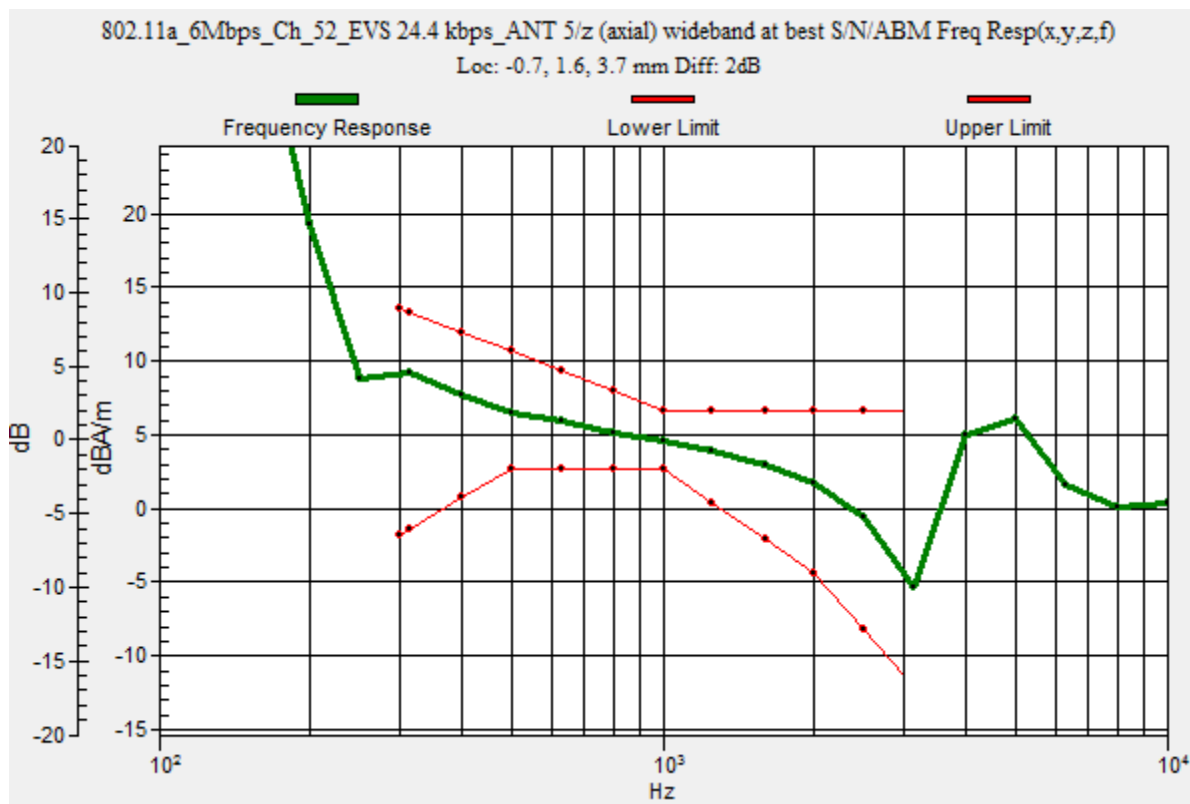
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -0.7, 1.6, 3.7 mm



WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_52_EVS 24.4 kbps_ UAT 2/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 = 47.53 dB

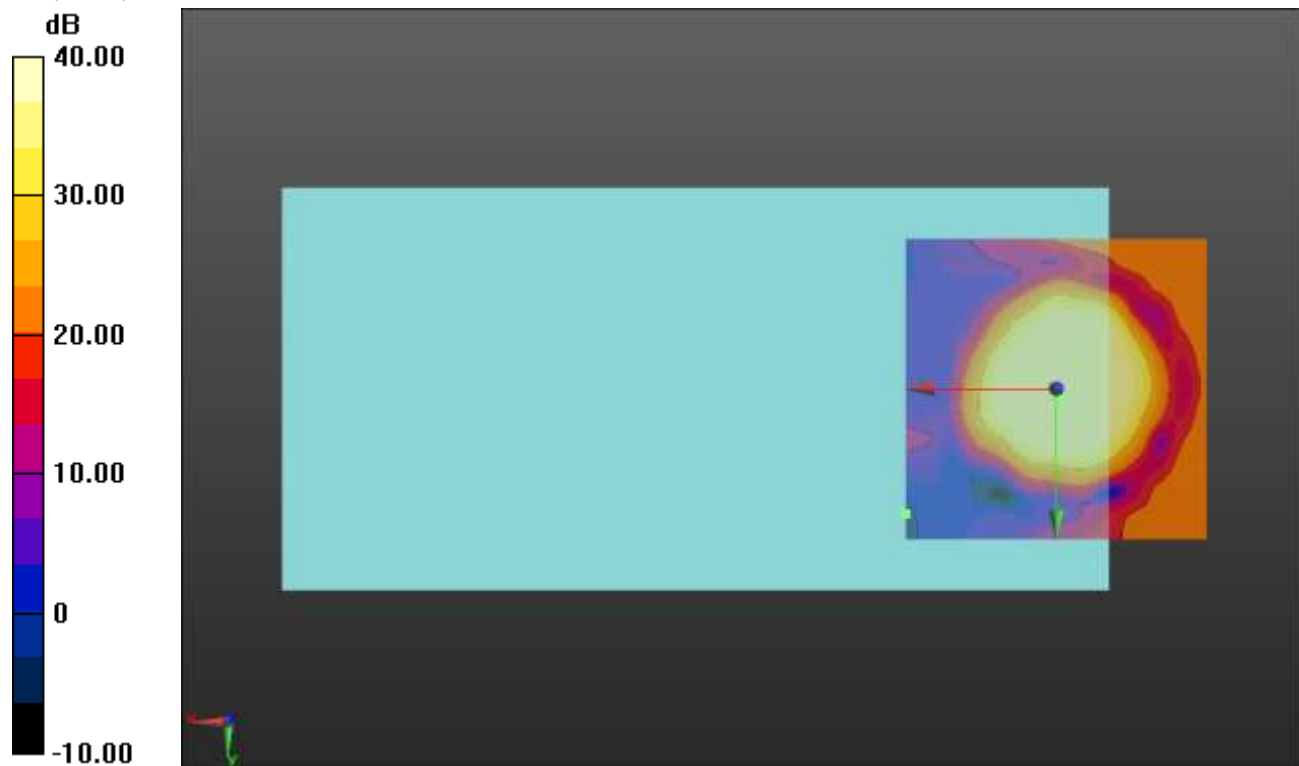
ABM1 comp = 5.50 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, 1.7, 3.7 mm

ABM2 = -29.48 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5260 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_52_EVS 24.4 kbps_ UAT 2/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 = 40.72 dB

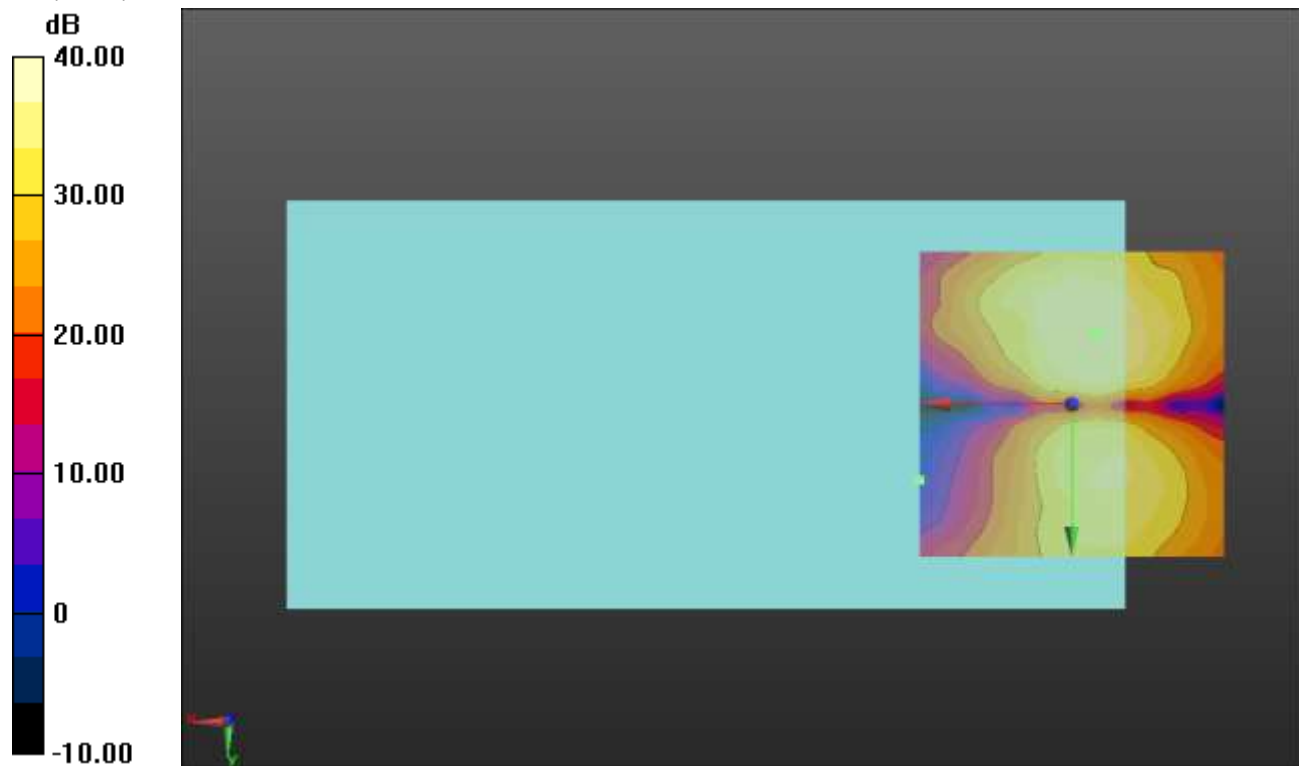
ABM1 comp = -5.77 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -11.7, 3.7 mm

ABM2 = -28.37 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5500 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_100_EVS 24.4 kbps_ UAT 2/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: 29.78

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

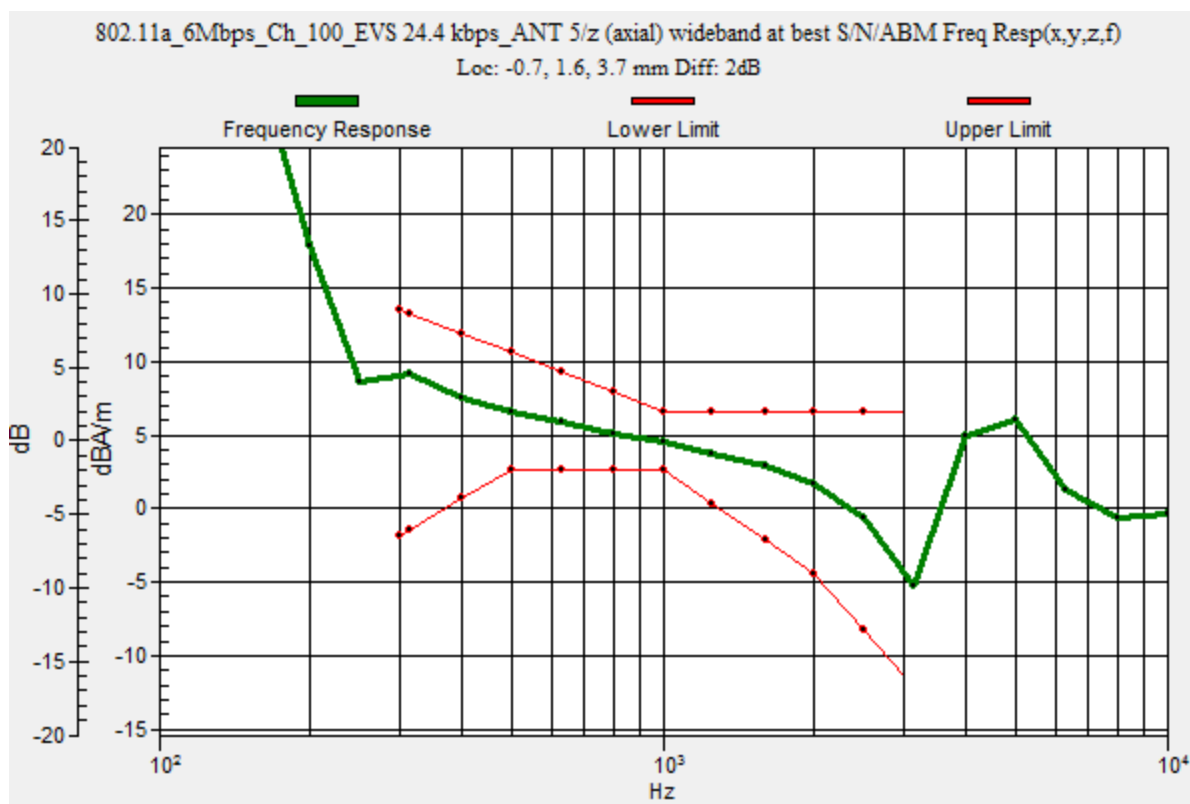
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -0.7, 1.6, 3.7 mm



WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_100_EVS 24.4 kbps_ UAT 2/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 = 40.89 dB

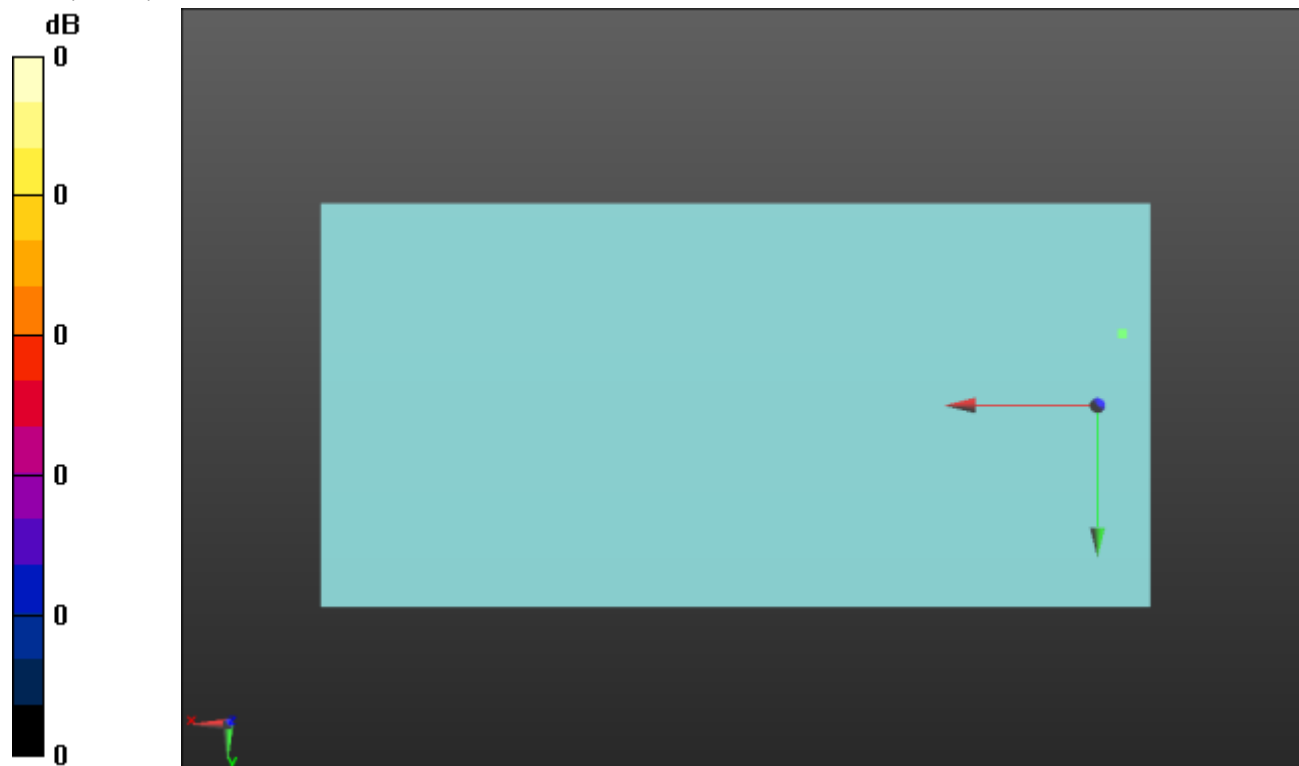
ABM1 comp = -5.13 dBA/m

BWC Factor = 0.16 dB

Location: -4.1, -11.8, 3.7 mm

ABM2 = -46.03 dBA/m

Location: -4.1, -11.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5745 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_149_EVS 24.4 kbps_ UAT 2/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: 29.78

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

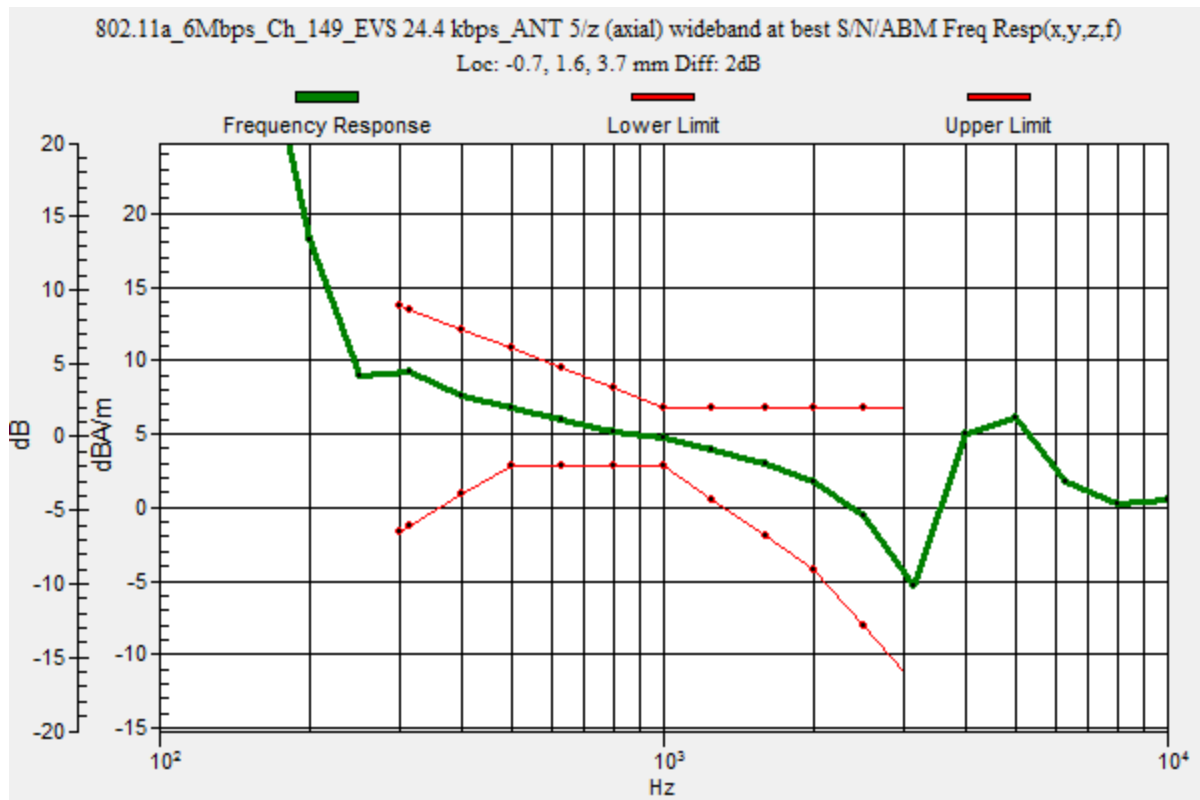
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -0.7, 1.6, 3.7 mm



WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_149_EVS 24.4 kbps_ UAT 2/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 = 48.67 dB

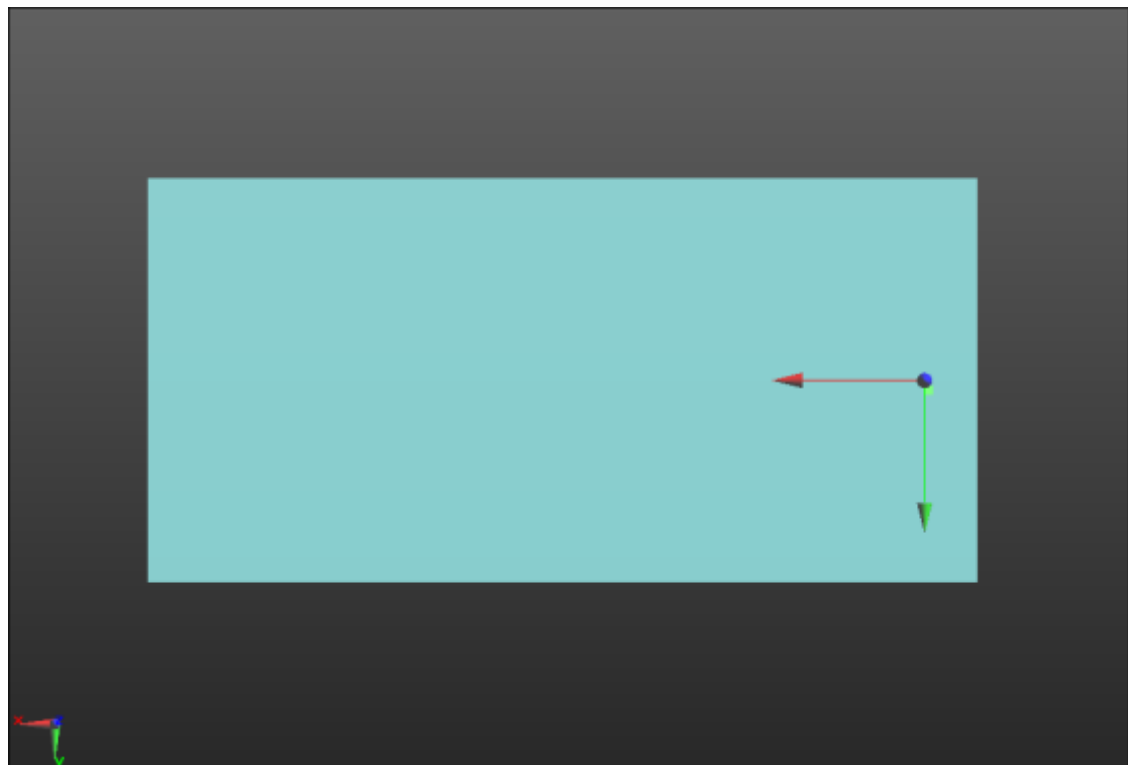
ABM1 comp = 5.41 dBA/m

BWC Factor = 0.16 dB

Location: -0.7, 1.6, 3.7 mm

ABM2 = -43.25 dBA/m

Location: -0.7, 1.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

WiFi 802.11a

Communication System: UID 0, @IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5745 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2018
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_6Mbps_Ch_149_EVS 24.4 kbps_ UAT 2/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 = 40.87 dB

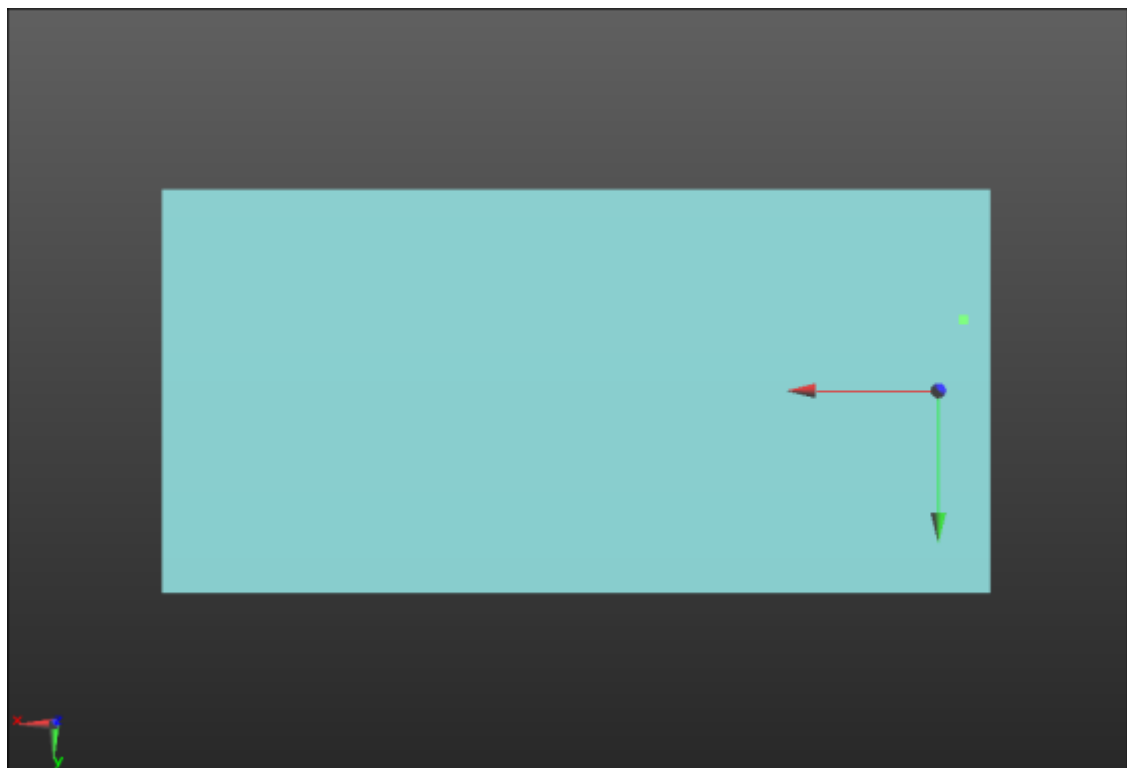
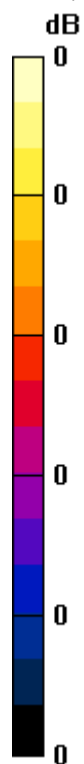
ABM1 comp = -5.11 dBA/m

BWC Factor = 0.16 dB

Location: -4.1, -11.8, 3.7 mm

ABM2 = -45.98 dBA/m

Location: -4.1, -11.8, 3.7 mm



0 dB = 1.000 = 0.00 dB