

GSM850

Communication System: 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)/GSM850 Ch 190 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

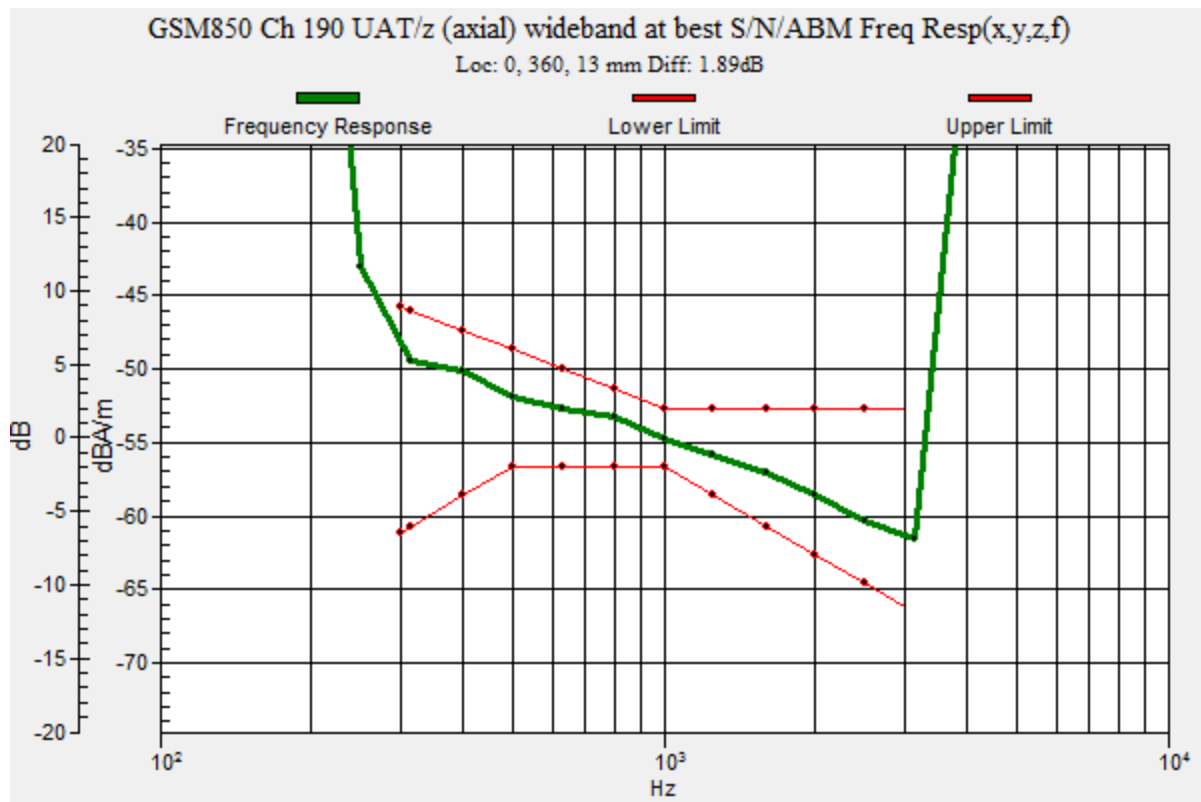
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.89 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



GSM850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 Ch 190 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 56.50 dB

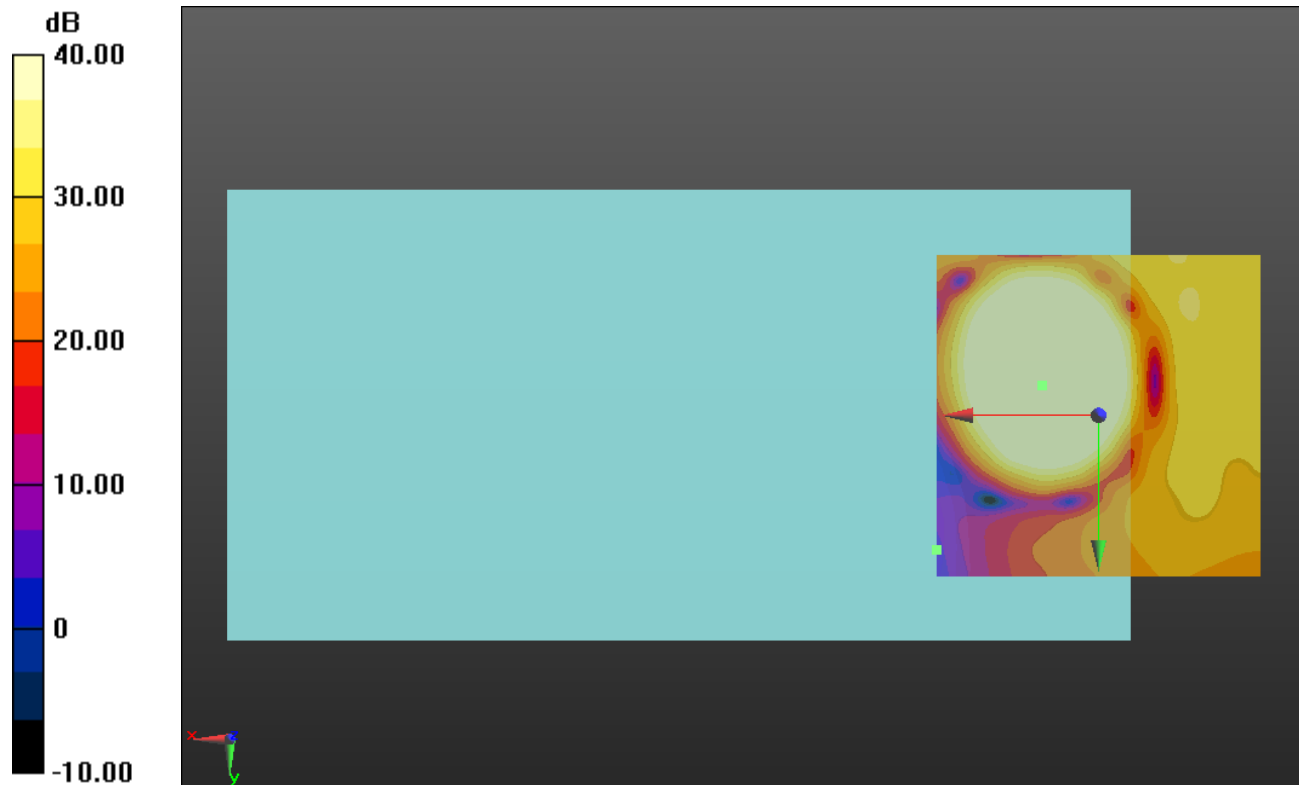
ABM1 comp = 16.98 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -4.6, 3.7 mm

ABM2 = -21.74 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 Ch 190 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.76 dB

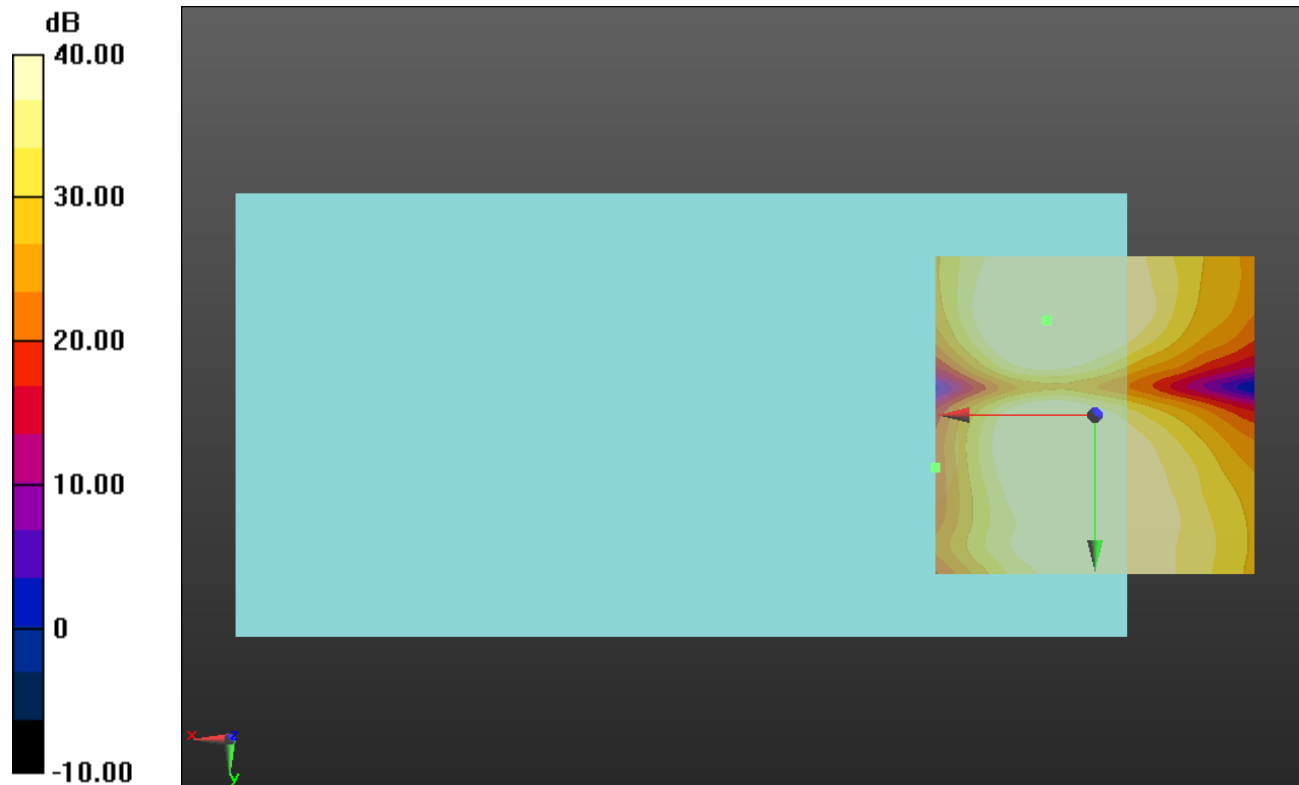
ABM1 comp = 8.01 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -15, 3.7 mm

ABM2 = -25.12 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 Ch 661 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

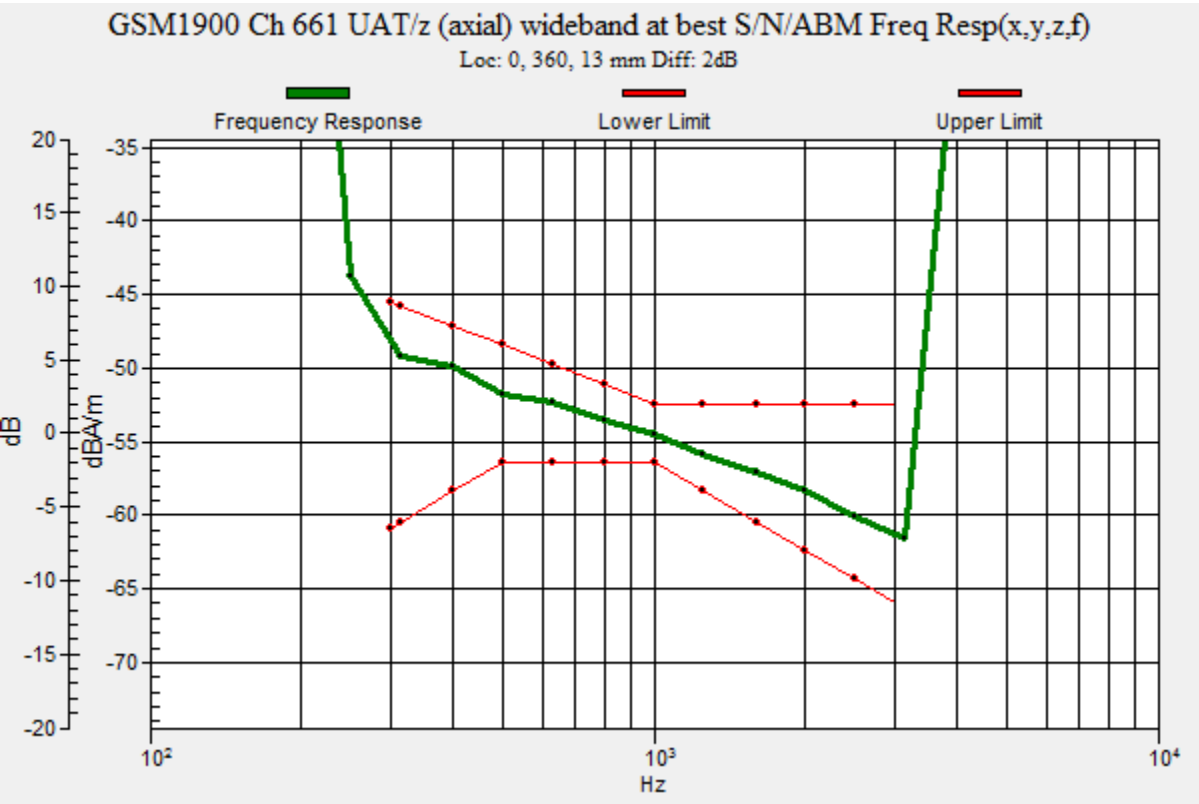
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



GSM1900

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 Ch 661 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 56.22 dB

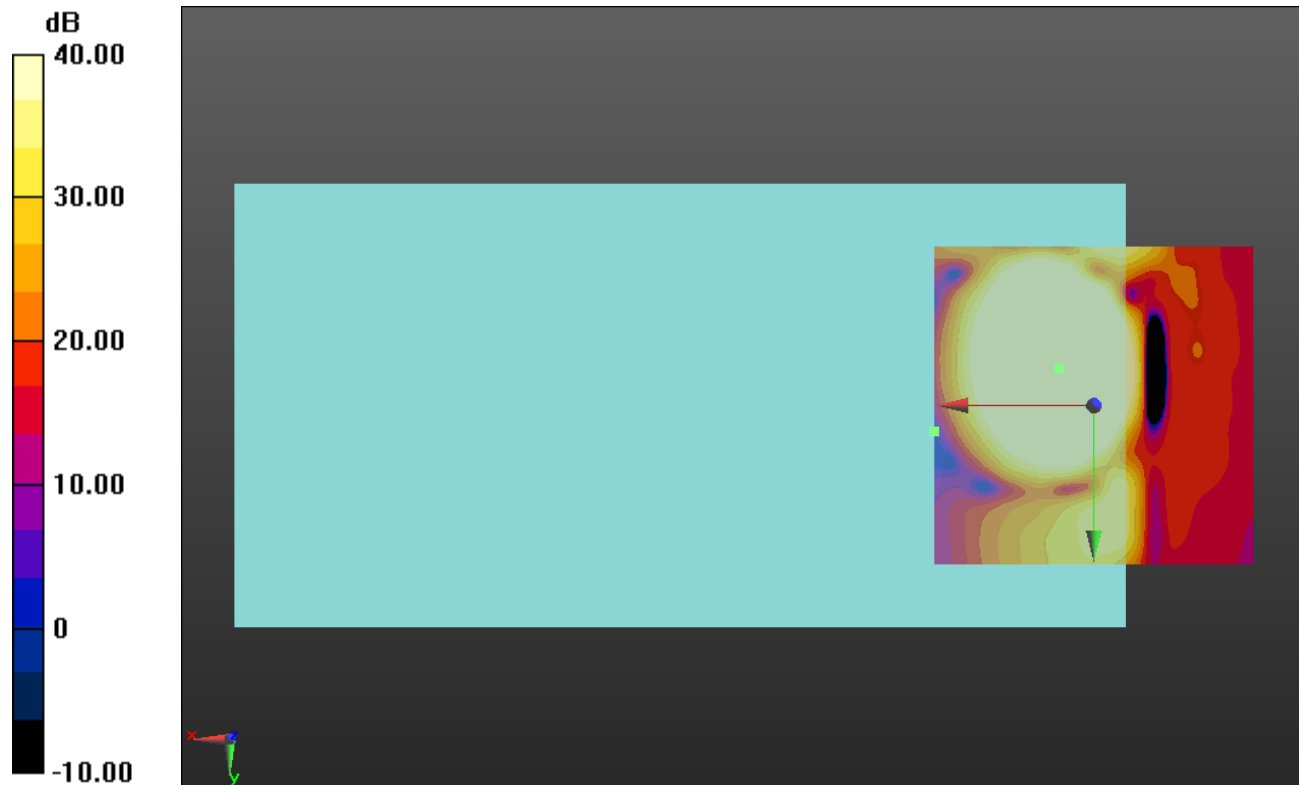
ABM1 comp = 14.73 dBA/m

BWC Factor = 0.16 dB

Location: 5.4, -5.8, 3.7 mm

ABM2 = -23.56 dBA/m

Location: 25, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 Ch 661 UAT/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: 100

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

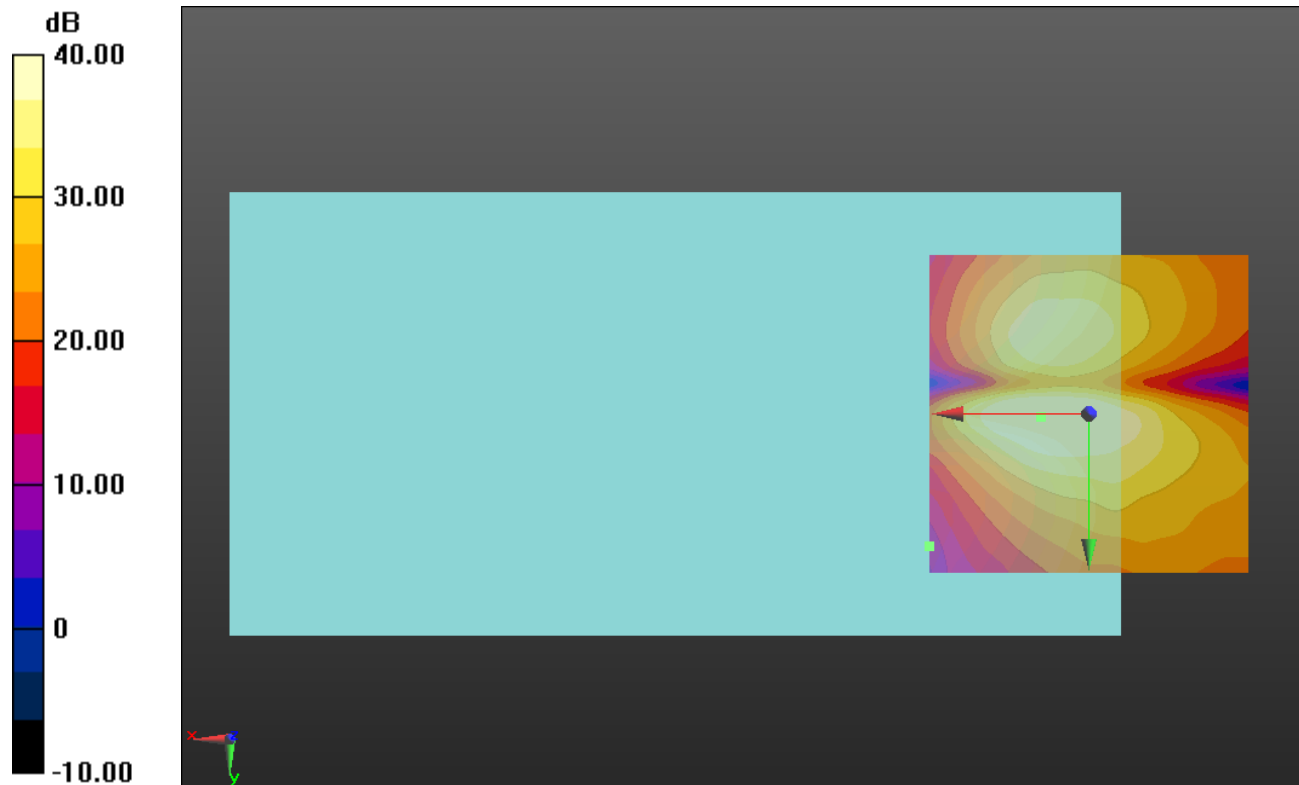
ABM1 comp = 7.09 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 0.4, 3.7 mm

ABM2 = -17.16 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA Band II

Communication System: UID 0, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BII Ch 9400 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

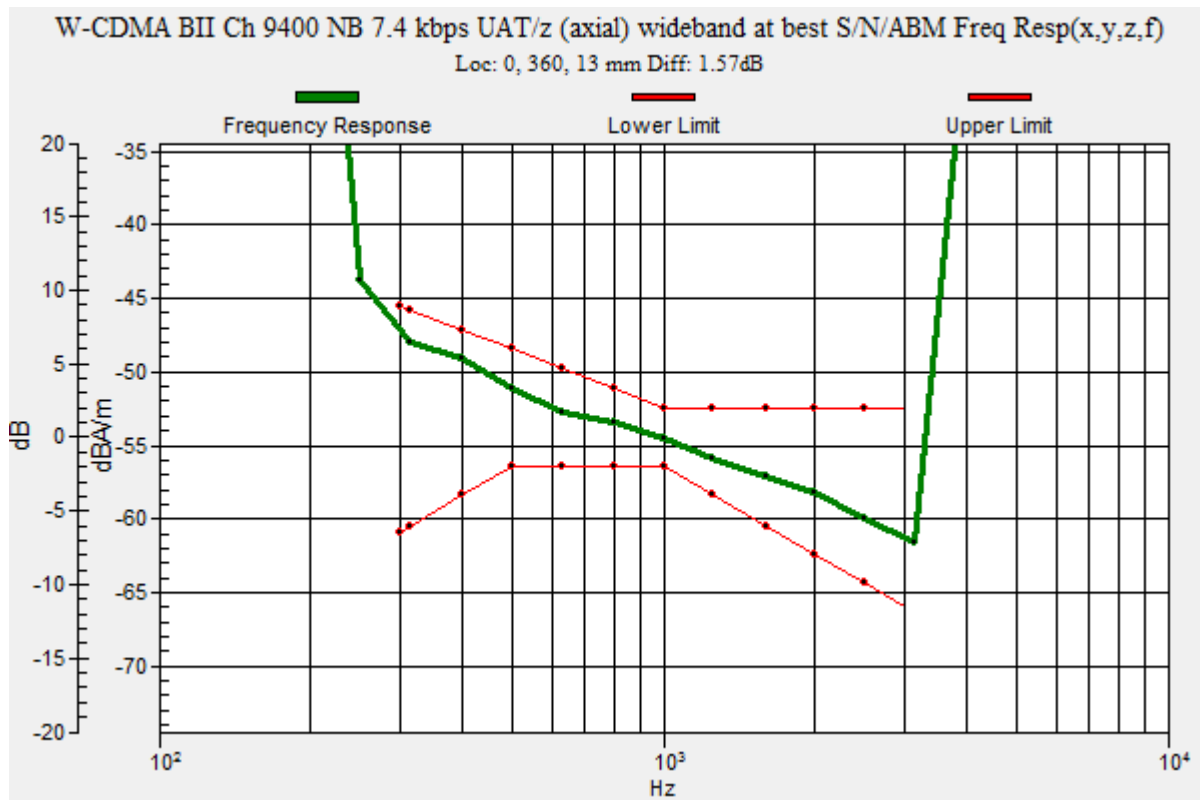
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.57 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



WCDMA Band II

Communication System: UID 0, UMTS-FDD (WCDMA); Frequency: 1880 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BII Ch 9400 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 61.34 dB

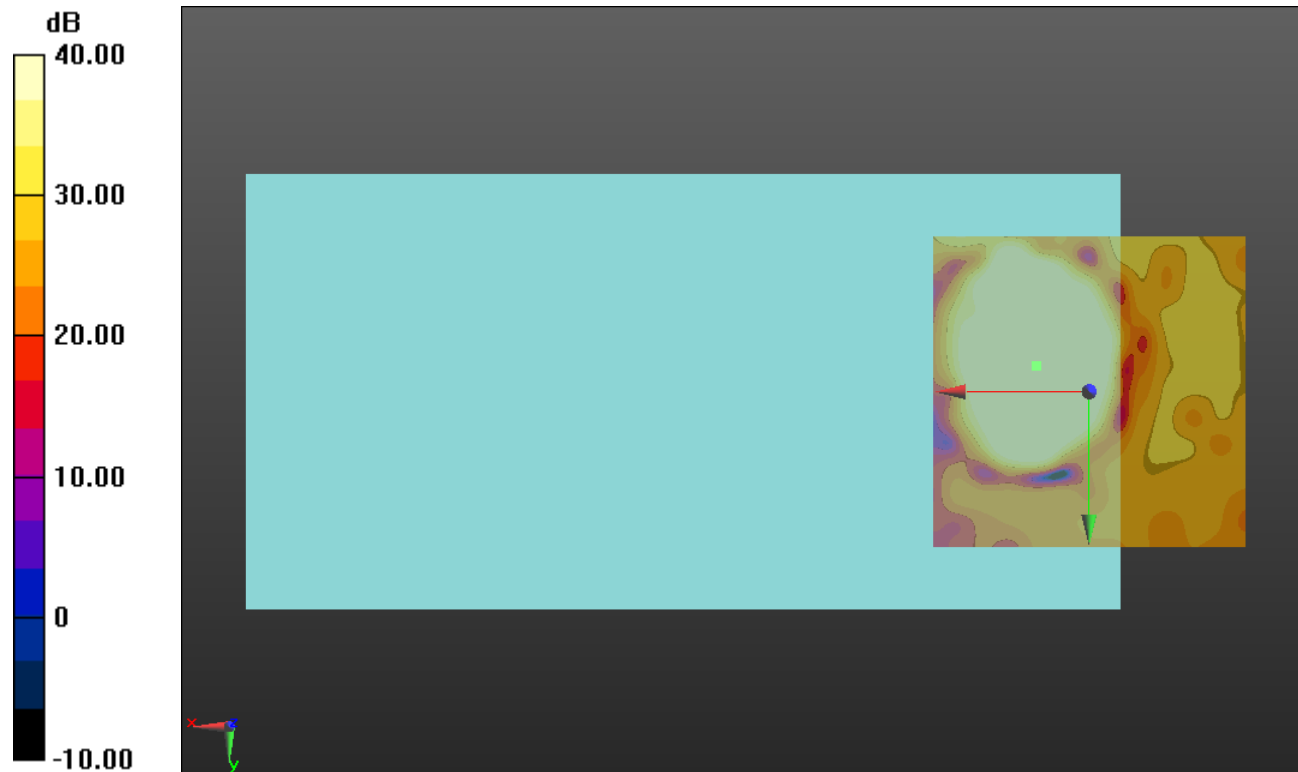
ABM1 comp = 18.26 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -4.2, 3.7 mm

ABM2 = -28.15 dBA/m

Location: 20.8, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA Band II

Communication System: UID 0, UMTS-FDD (WCDMA); Frequency: 1880 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BII Ch 9400 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.12 dB

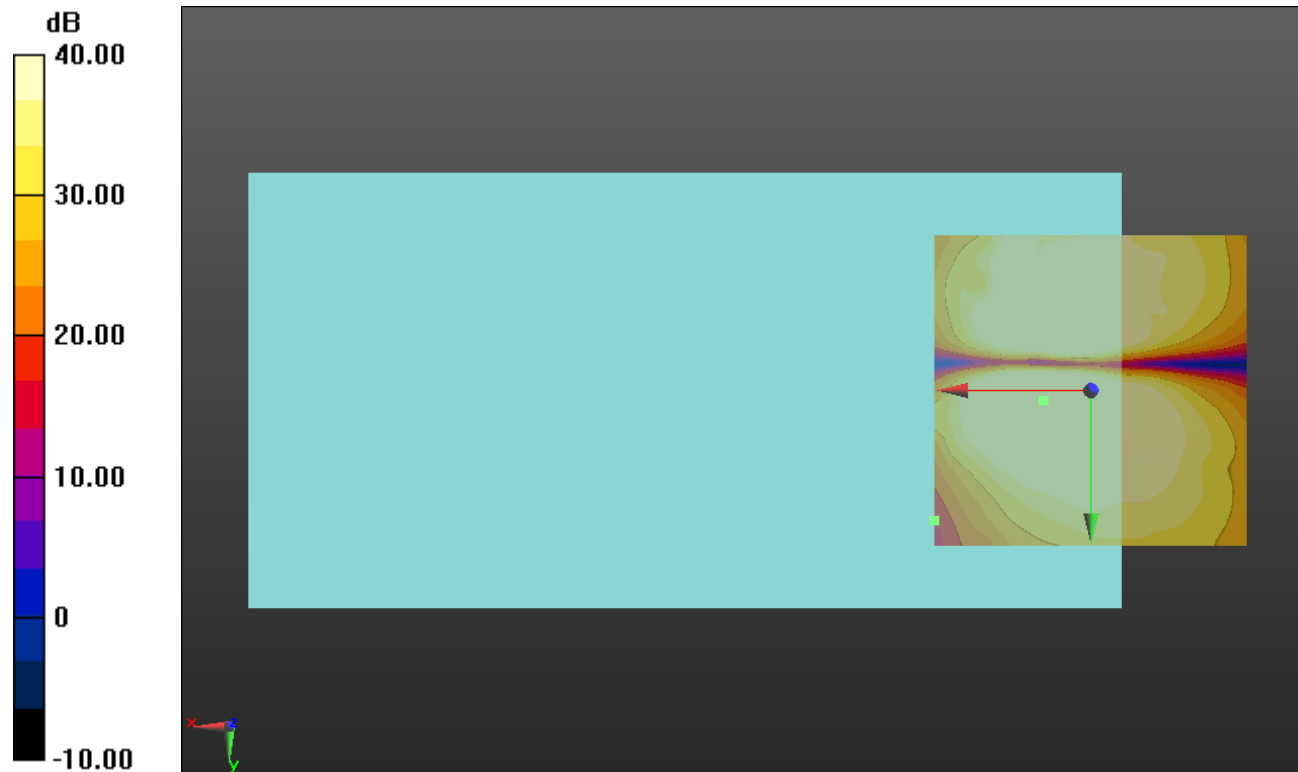
ABM1 comp = 7.95 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 1.7, 3.7 mm

ABM2 = -25.95 dBA/m

Location: 25, 20.8, 3.7 mm



WCDMA Band IV

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BIV Ch 1413 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

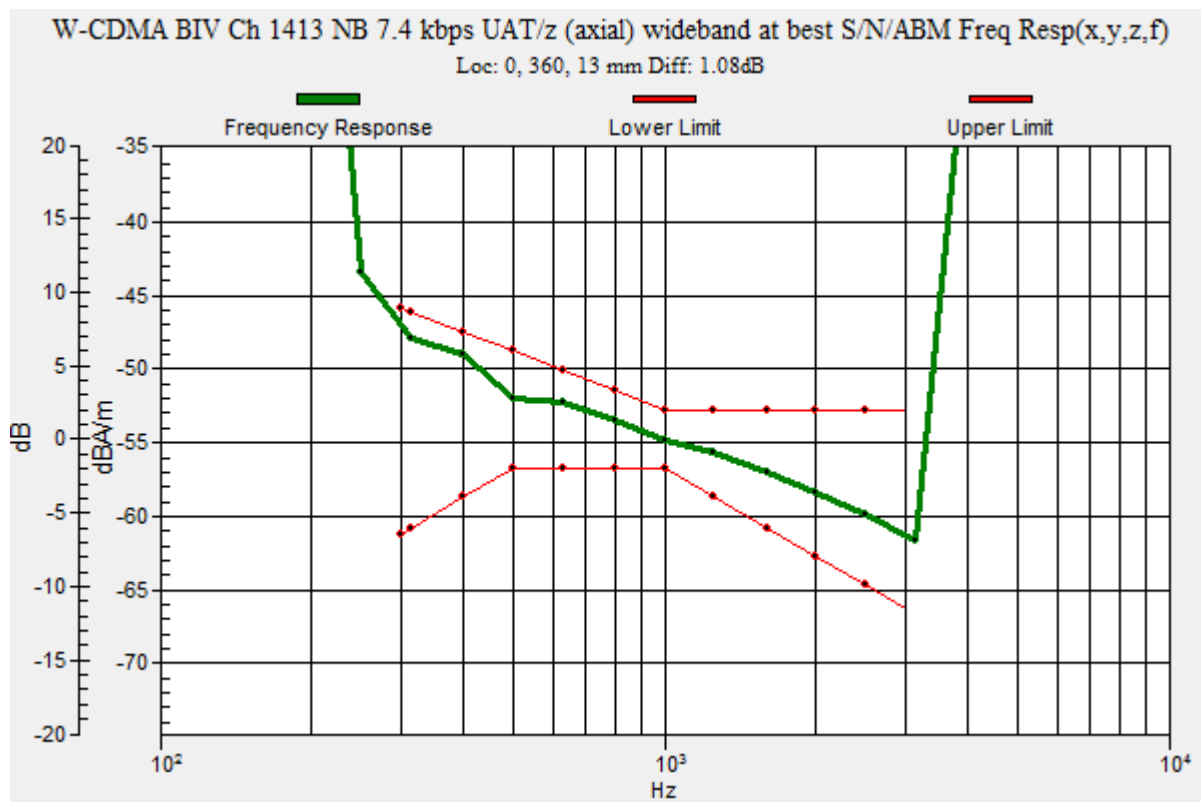
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.08 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



WCDMA Band IV

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 1732.6 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BIV Ch 1413 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 62.01 dB

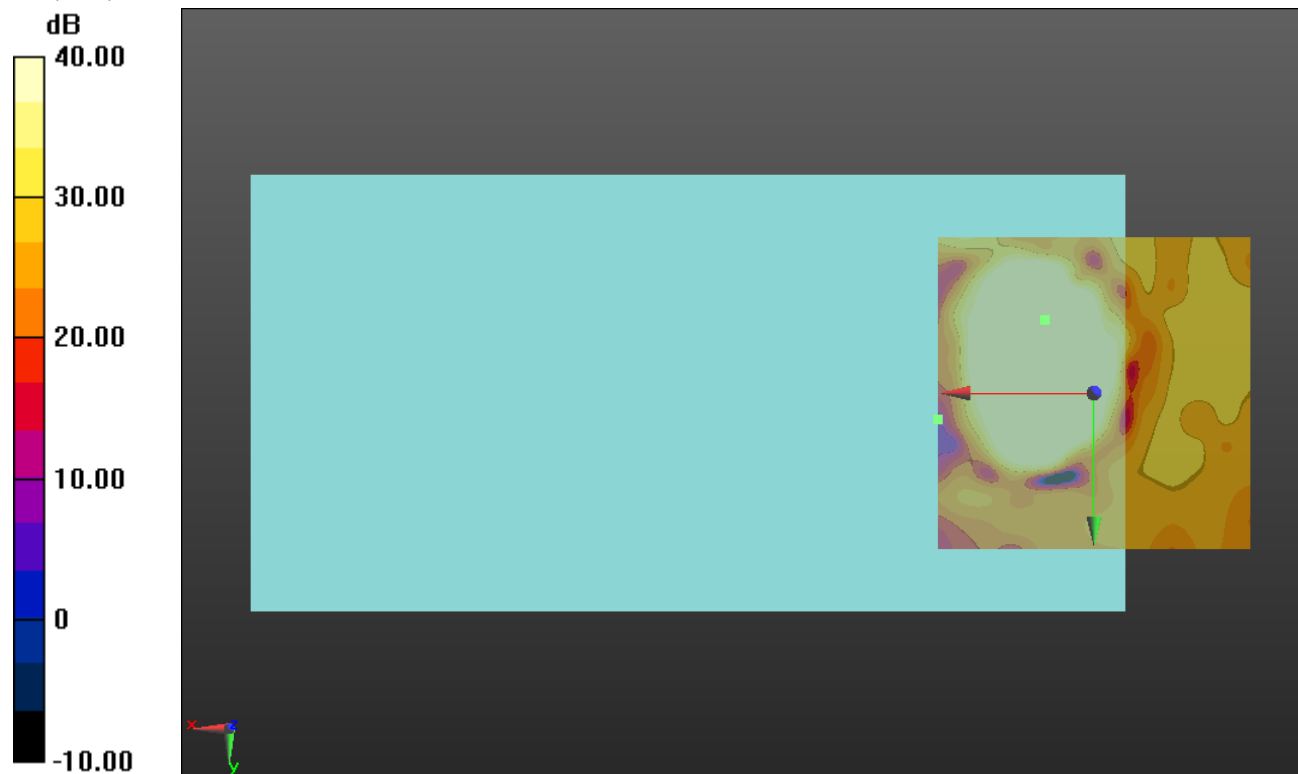
ABM1 comp = 14.98 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -11.7, 3.7 mm

ABM2 = -27.64 dBA/m

Location: 25, 4.2, 3.7 mm



WCDMA Band IV

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 1732.6 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BIV Ch 1413 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.30 dB

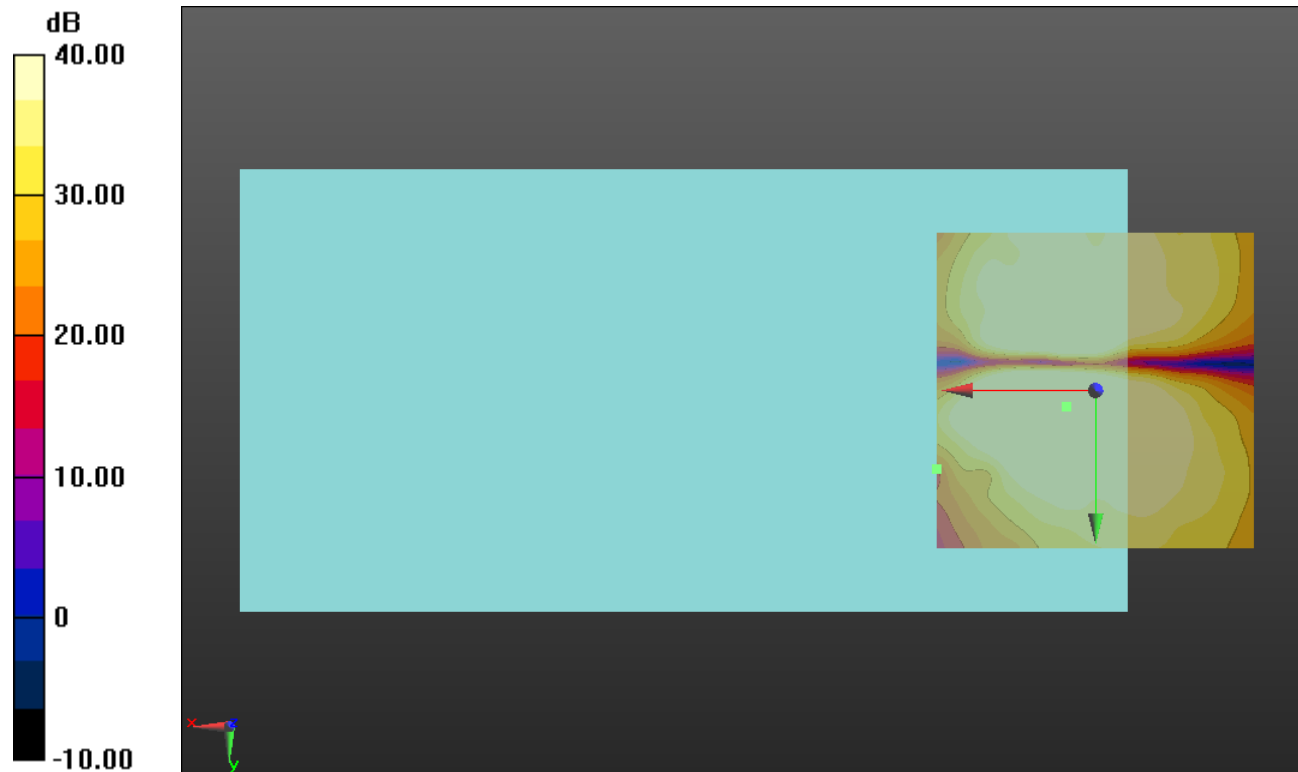
ABM1 comp = 7.67 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, 2.5, 3.7 mm

ABM2 = -23.28 dBA/m

Location: 25, 12.5, 3.7 mm



WCDMA Band V

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BV Ch 4183 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

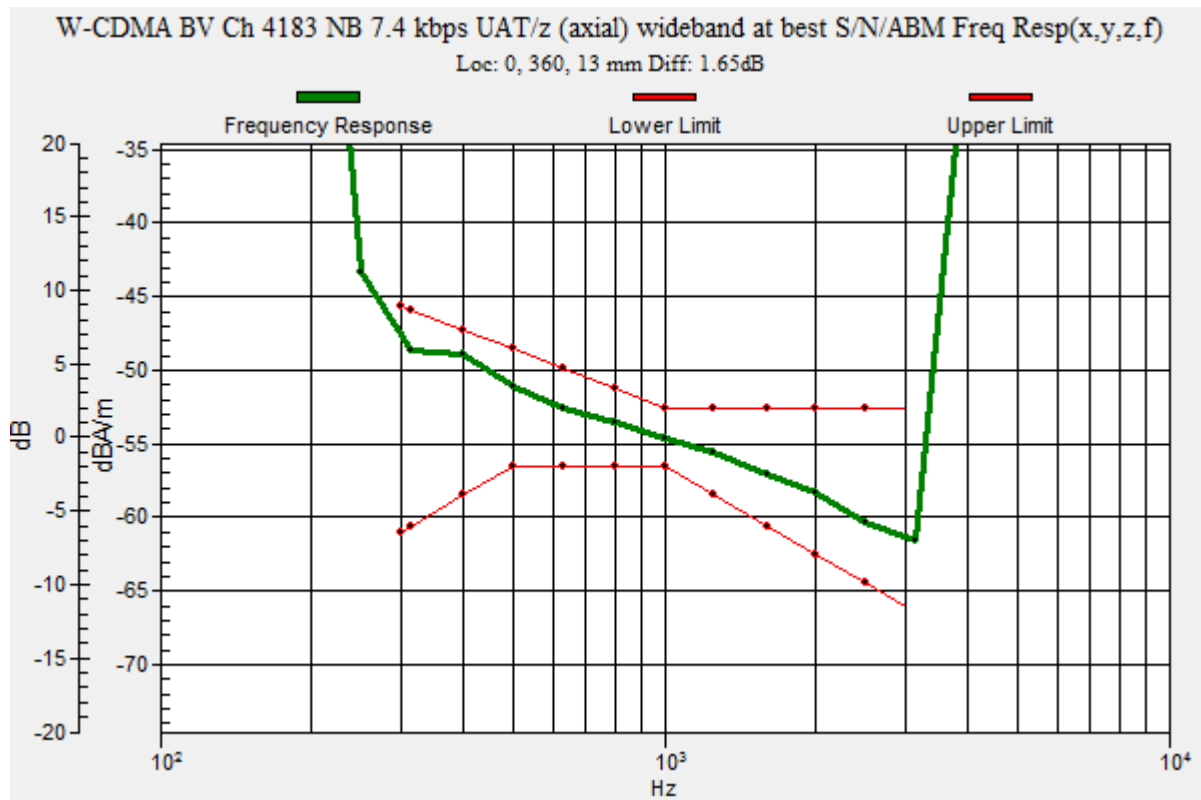
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.65 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



WCDMA Band V

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 836.6 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BV Ch 4183 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 61.49 dB

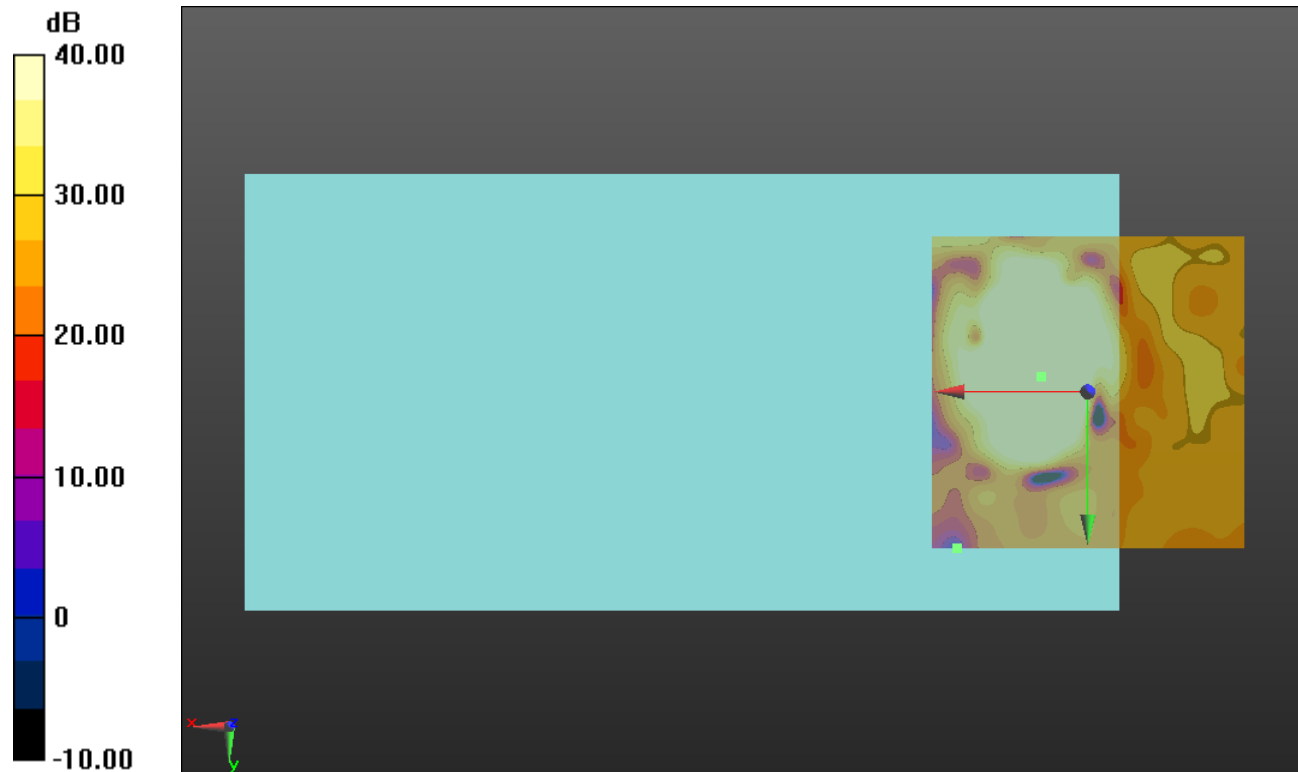
ABM1 comp = 18.32 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -2.5, 3.7 mm

ABM2 = -18.39 dBA/m

Location: 20.8, 25, 3.7 mm



WCDMA Band V

Communication System: UID 0, @UMTS-FDD (WCDMA) (0); Frequency: 836.6 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA BV Ch 4183 NB 7.4 kbps UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.91 dB

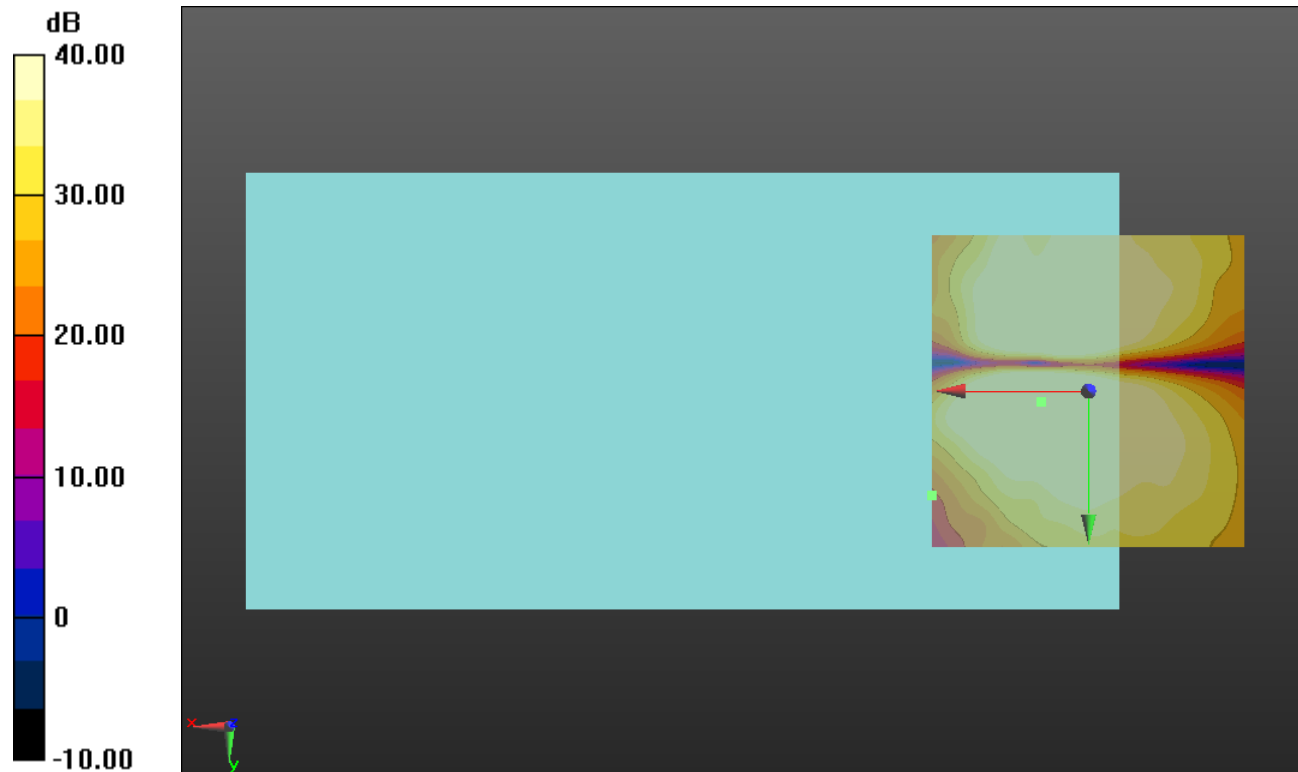
ABM1 comp = 8.10 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 1.7, 3.7 mm

ABM2 = -25.80 dBA/m

Location: 25, 16.7, 3.7 mm



CDMA BC0

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0 Ch 384 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

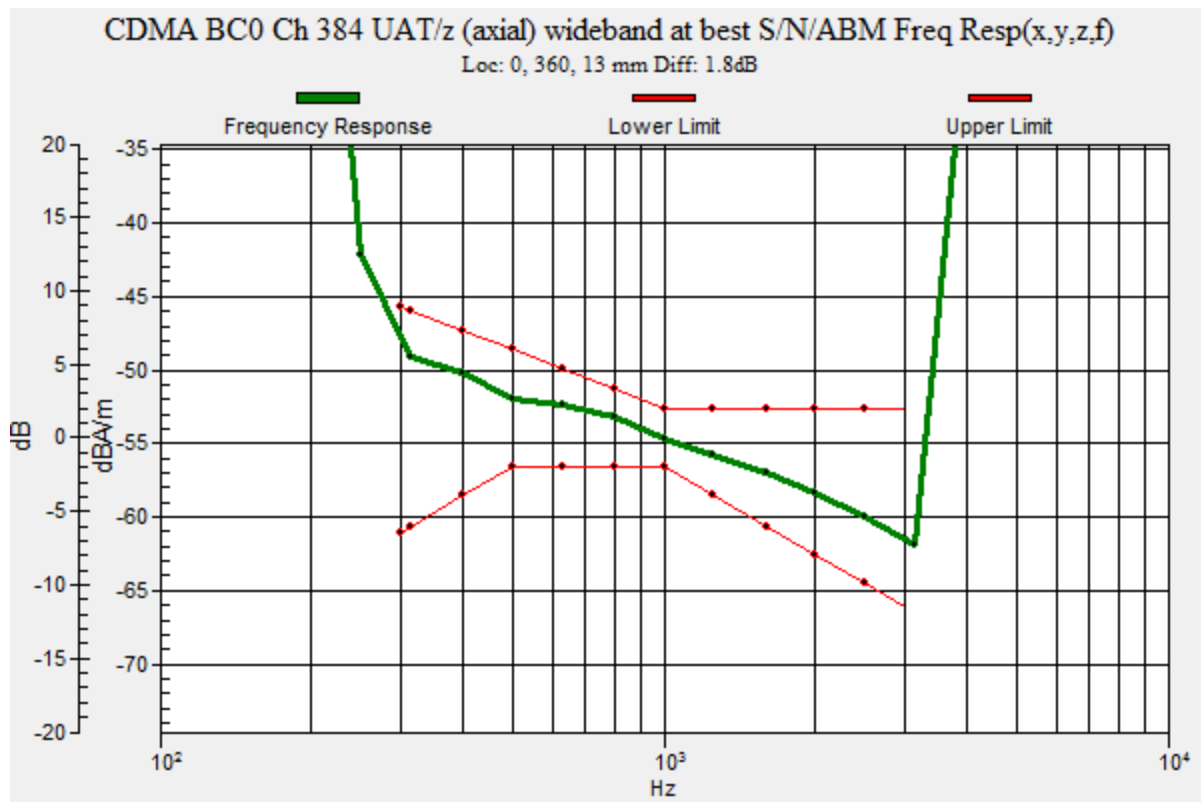
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.80 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



CDMA BC0

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0 Ch 384 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 63.00 dB

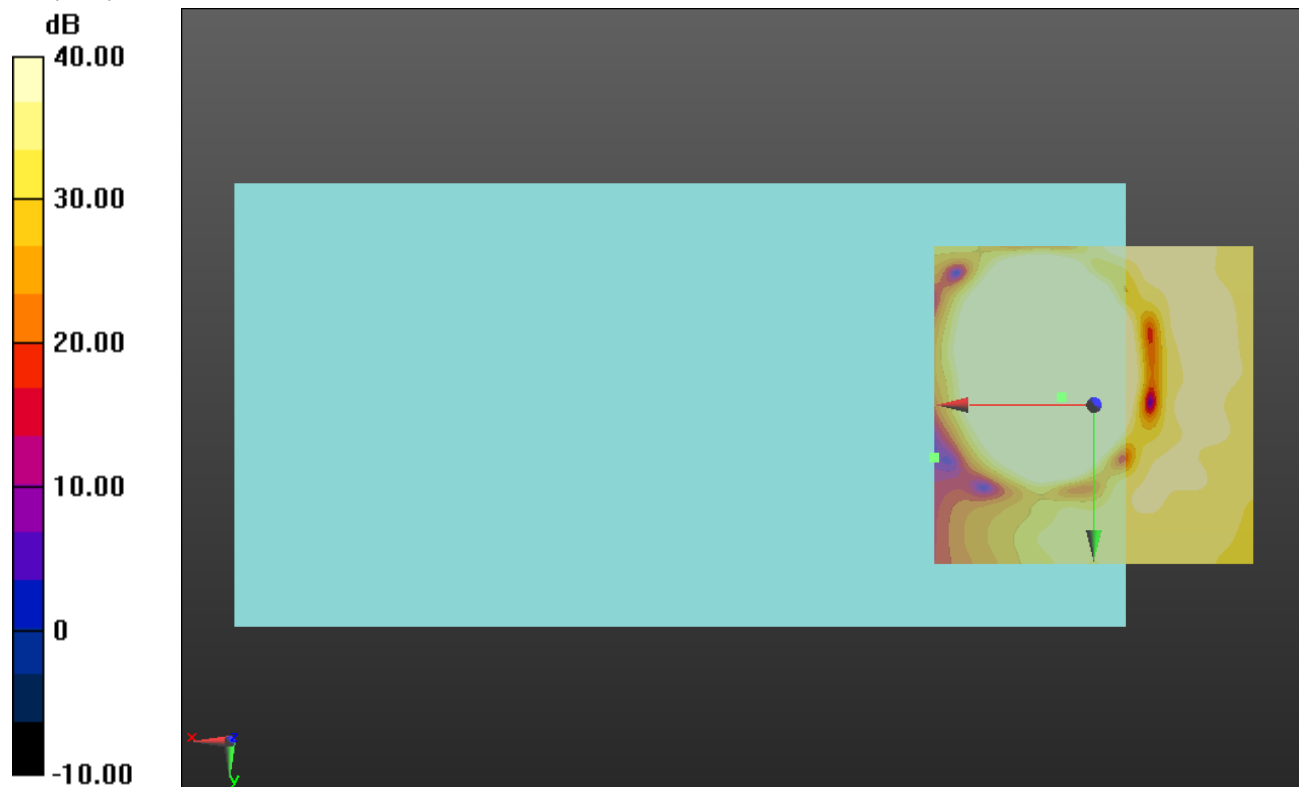
ABM1 comp = 13.97 dBA/m

BWC Factor = 0.16 dB

Location: 5, -1.3, 3.7 mm

ABM2 = -31.84 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC0

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0 Ch 384 UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 53.80 dB

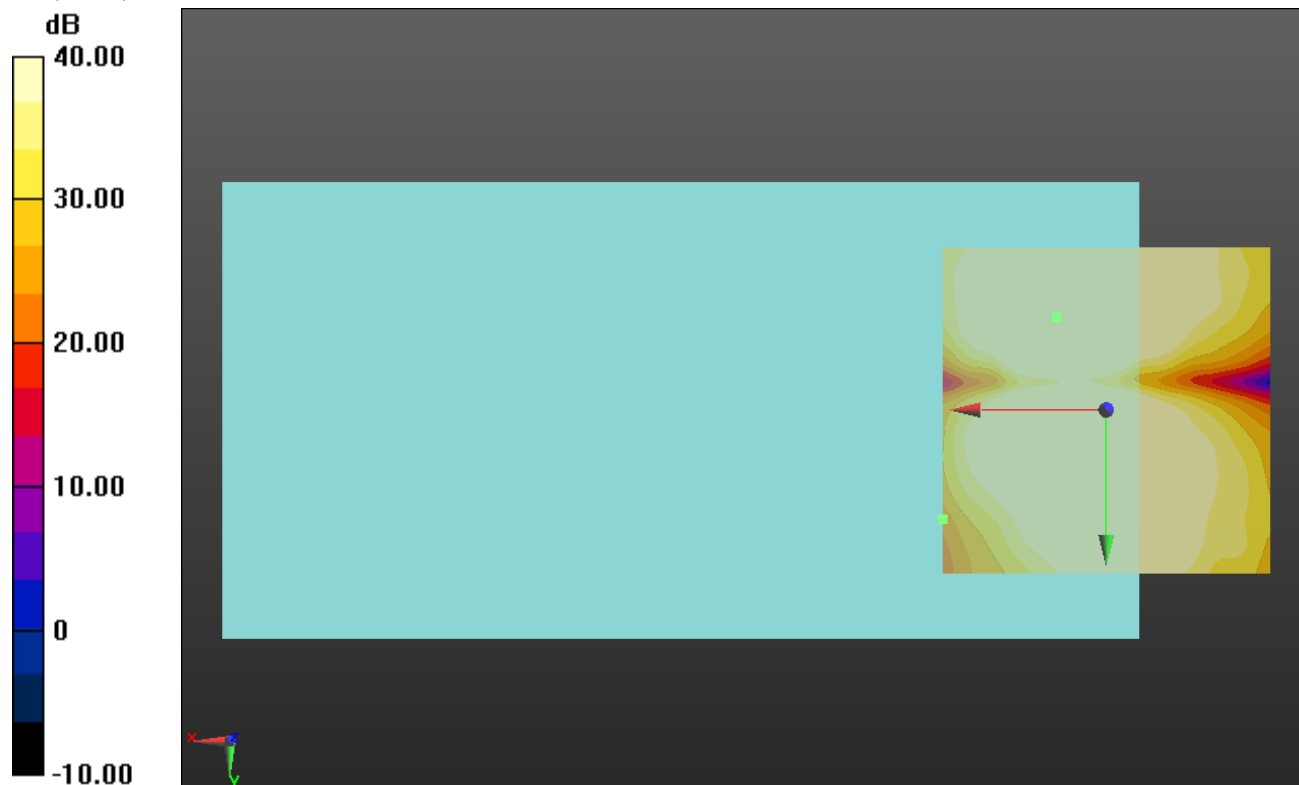
ABM1 comp = 8.85 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -14.2, 3.7 mm

ABM2 = -31.79 dBA/m

Location: 25, 16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA 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 BC1 Ch 600 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

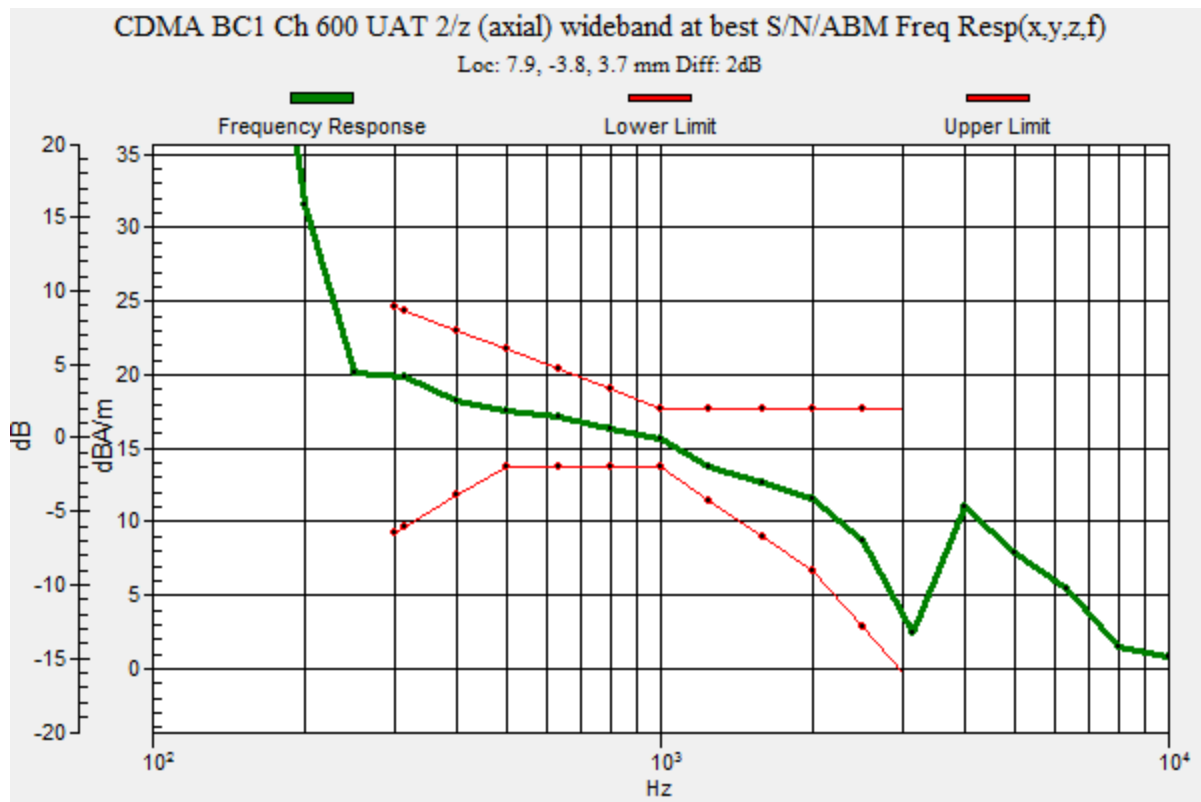
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 7.9, -3.8, 3.7 mm



CDMA BC1

Communication System: UID 0, @CDMA2000 (0); Frequency: 1880 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1 Ch 600 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 57.91 dB

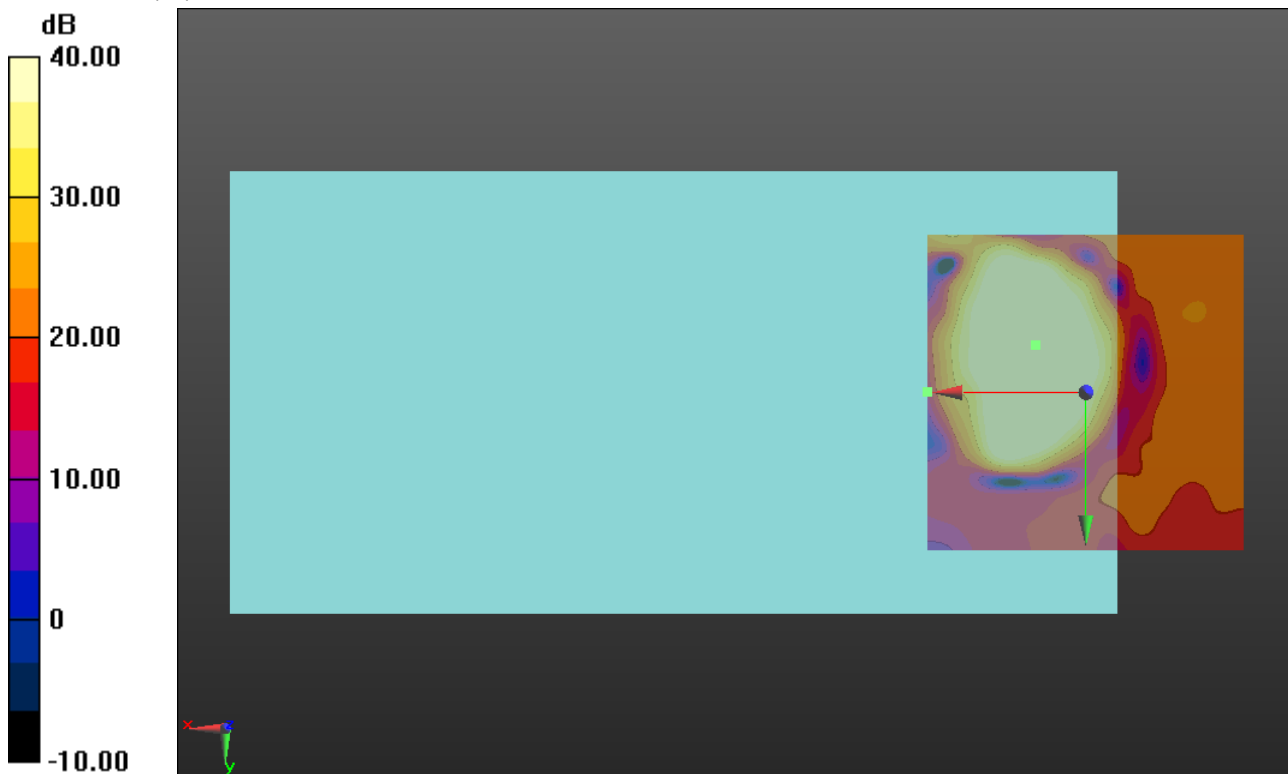
ABM1 comp = 14.71 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, -7.5, 3.7 mm

ABM2 = -25.84 dBA/m

Location: 25, 0, 3.7 mm



CDMA BC1

Communication System: UID 0, @CDMA2000 (0); Frequency: 1880 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1 Ch 600 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.54 dB

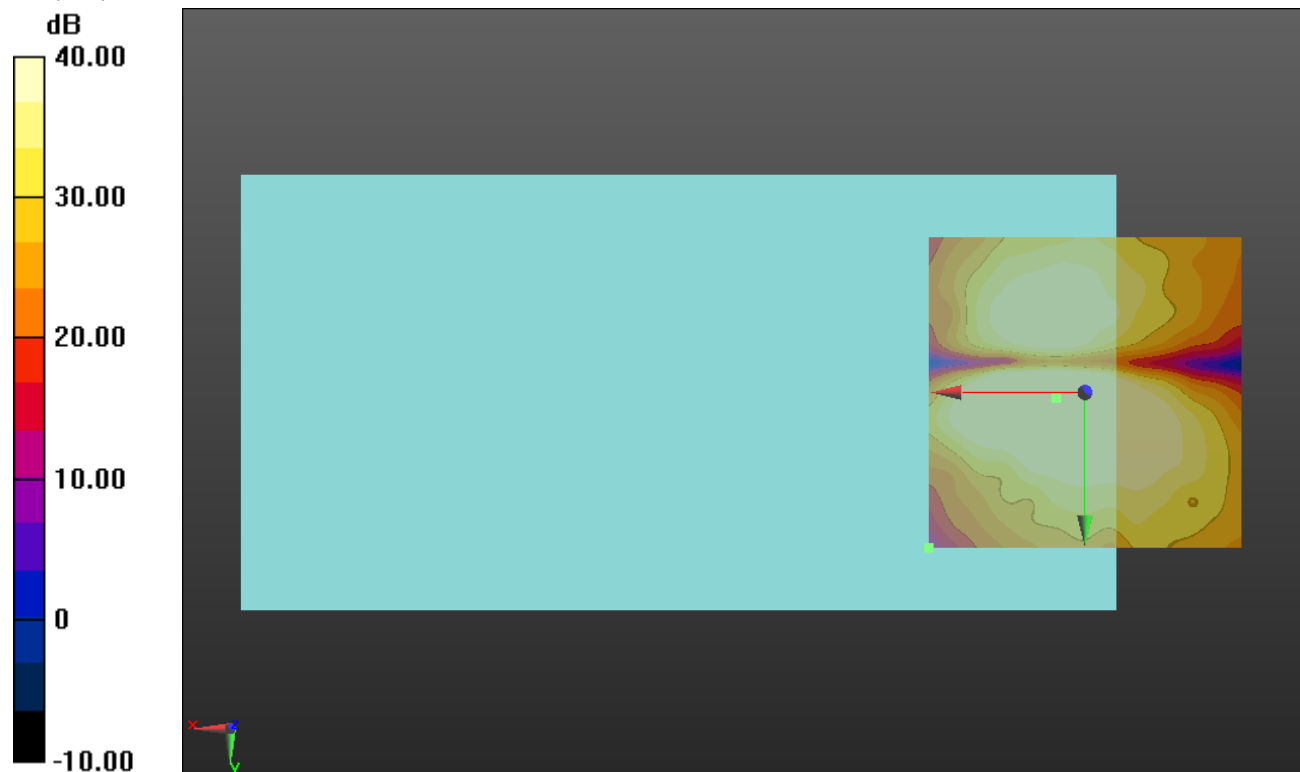
ABM1 comp = 3.98 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, 0.8, 3.7 mm

ABM2 = -24.68 dBA/m

Location: 25, 25, 3.7 mm



CDMA BC10

Communication System: CDMA2000; Frequency: 820.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10 Ch 580/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

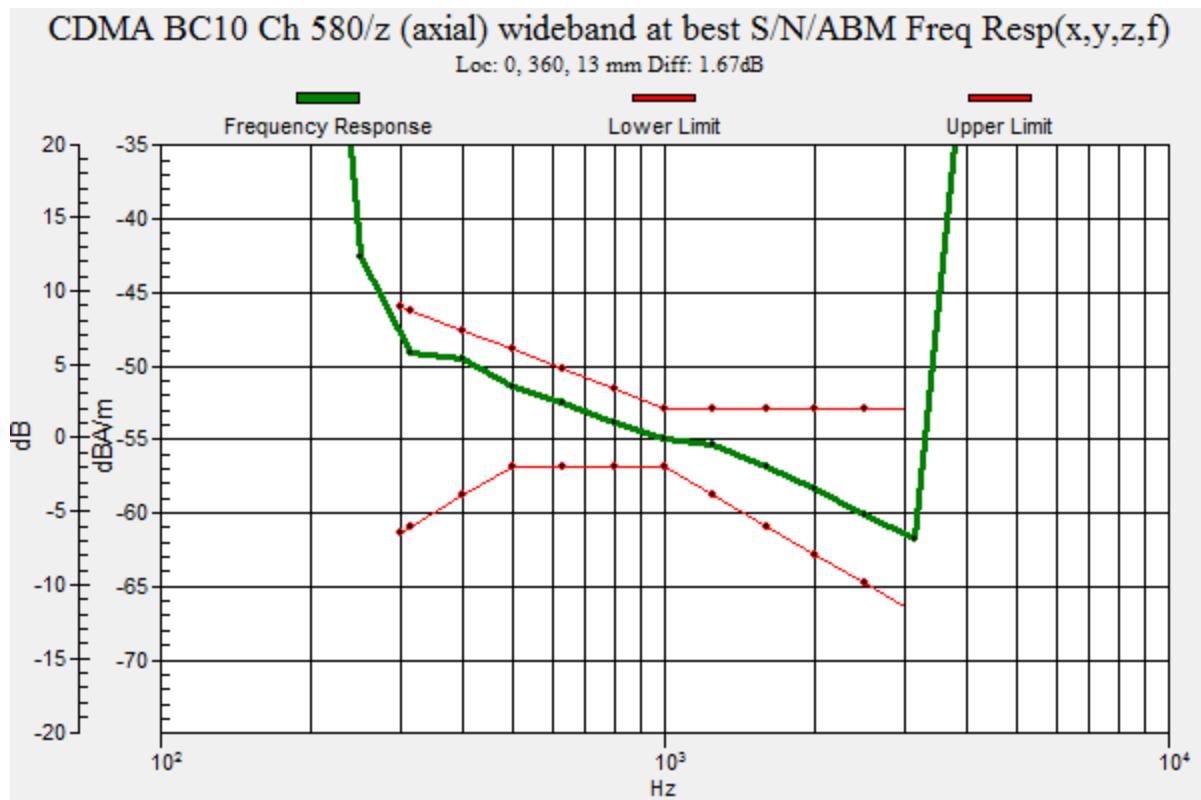
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.67 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



CDMA BC10

Communication System: CDMA2000; Frequency: 820.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5);SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10 Ch 580/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 63.72 dB

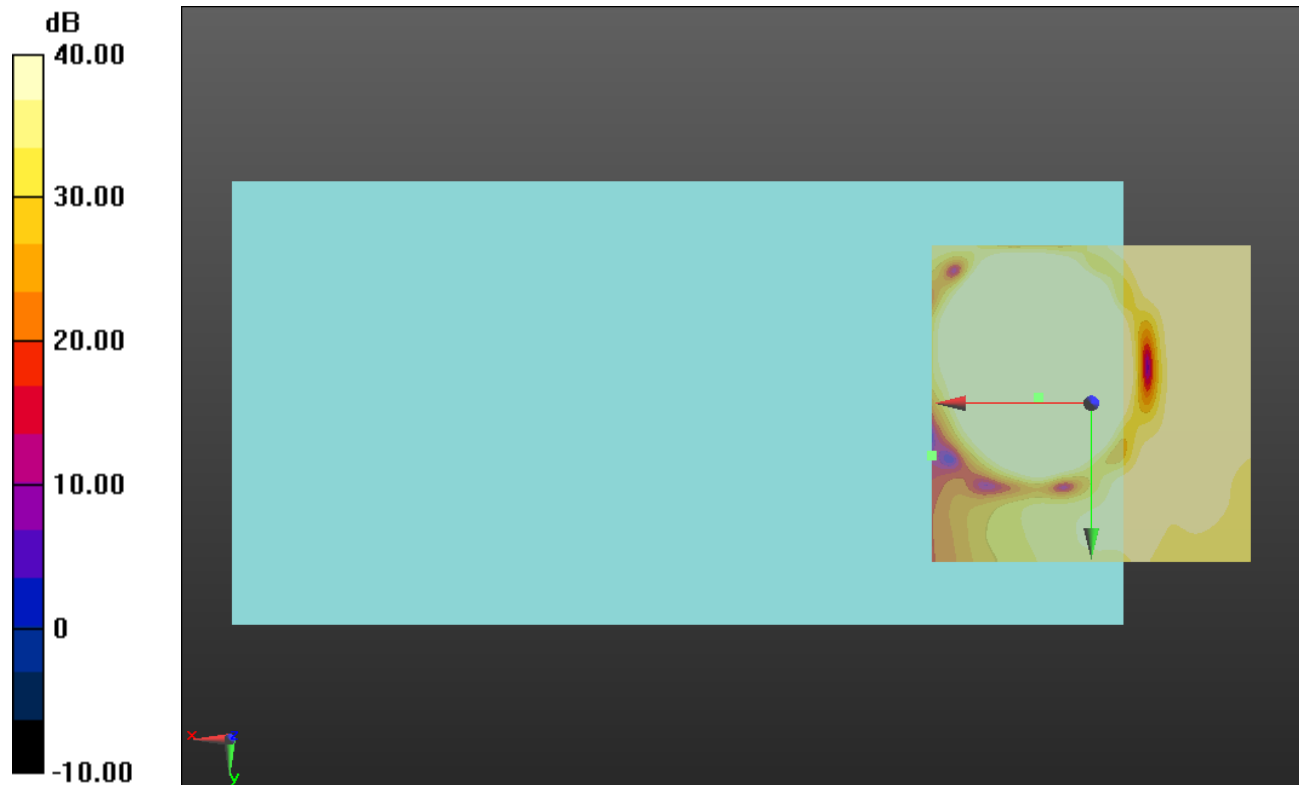
ABM1 comp = 14.90 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -0.8, 3.7 mm

ABM2 = -34.07 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC10

Communication System: CDMA2000; Frequency: 820.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10 Ch 580/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 53.95 dB

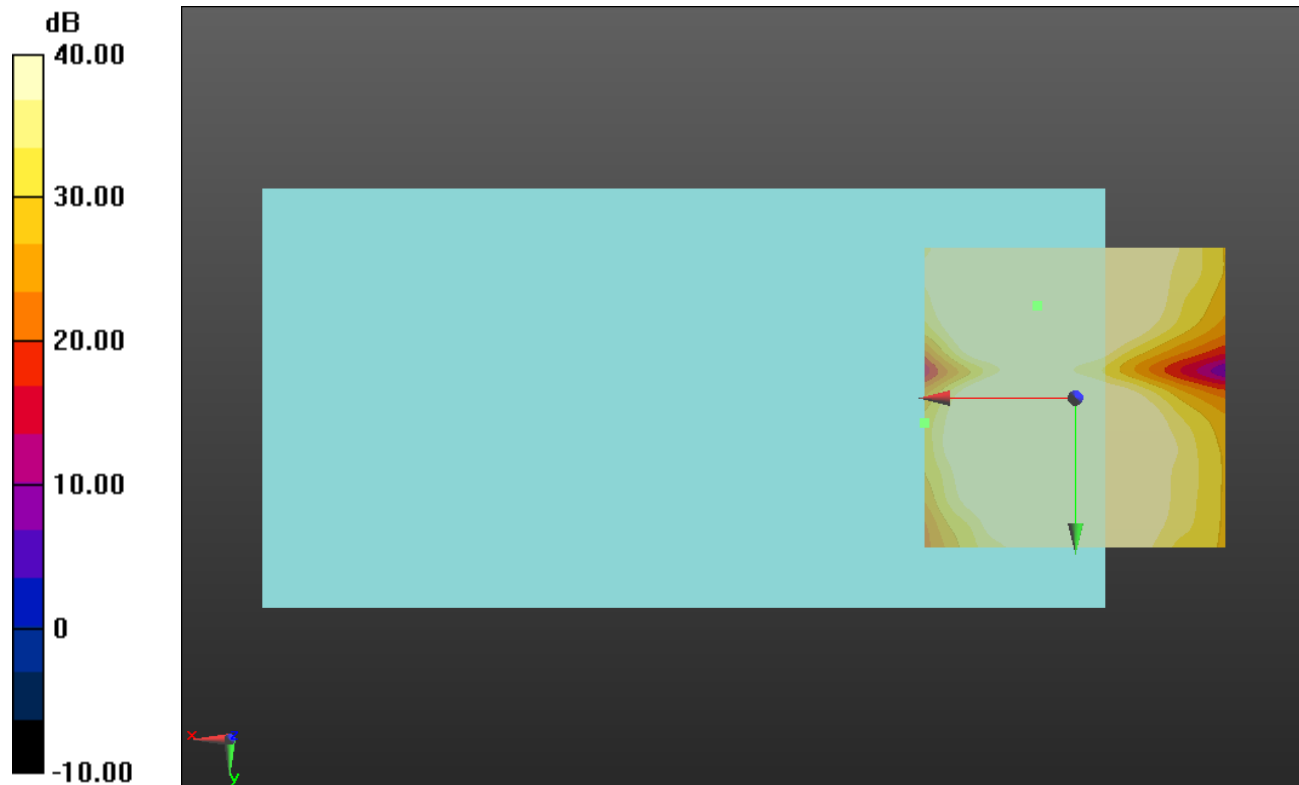
ABM1 comp = 8.20 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, -15.4, 3.7 mm

ABM2 = -33.93 dBA/m

Location: 25, 4.2, 3.7 mm



LTE Band 4

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4 ch 20175_NB 4.75 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

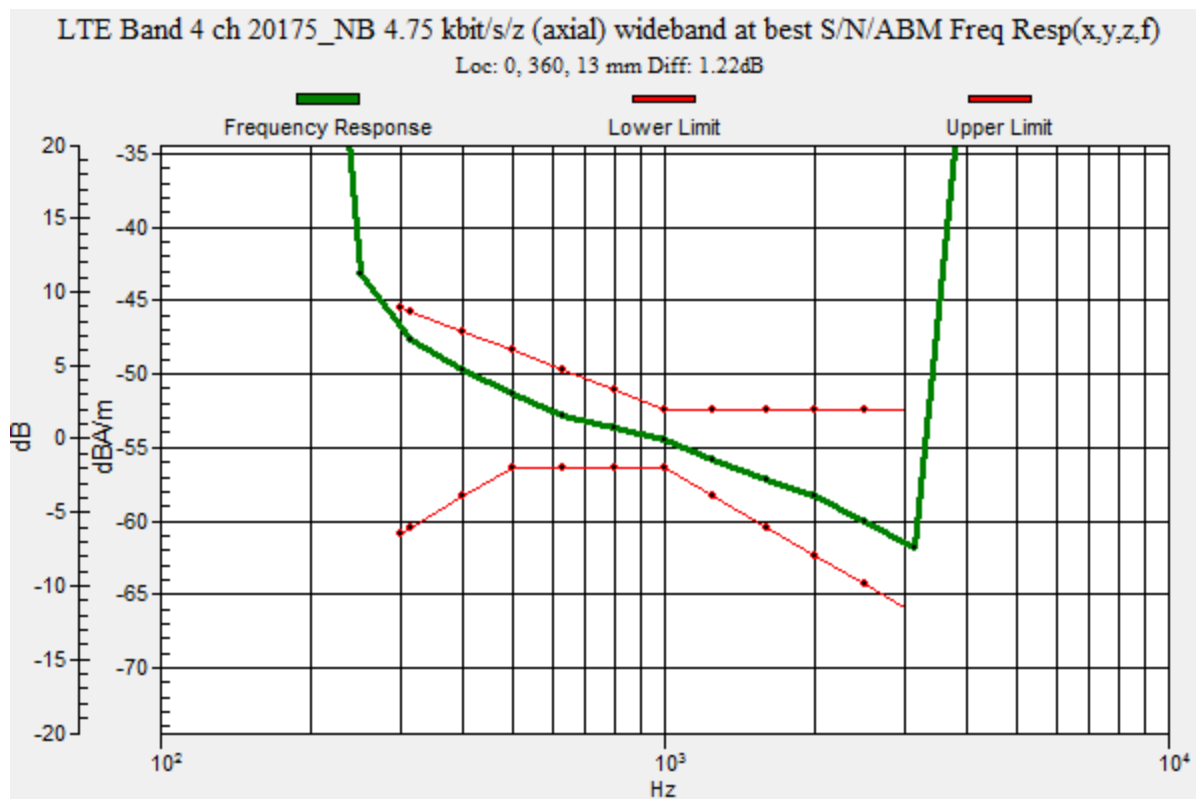
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.22 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 4

Communication System: UID 0, LTE (FDD) (0); Frequency: 1732.5 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4 ch 20175_NB 4.75 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 55.77 dB

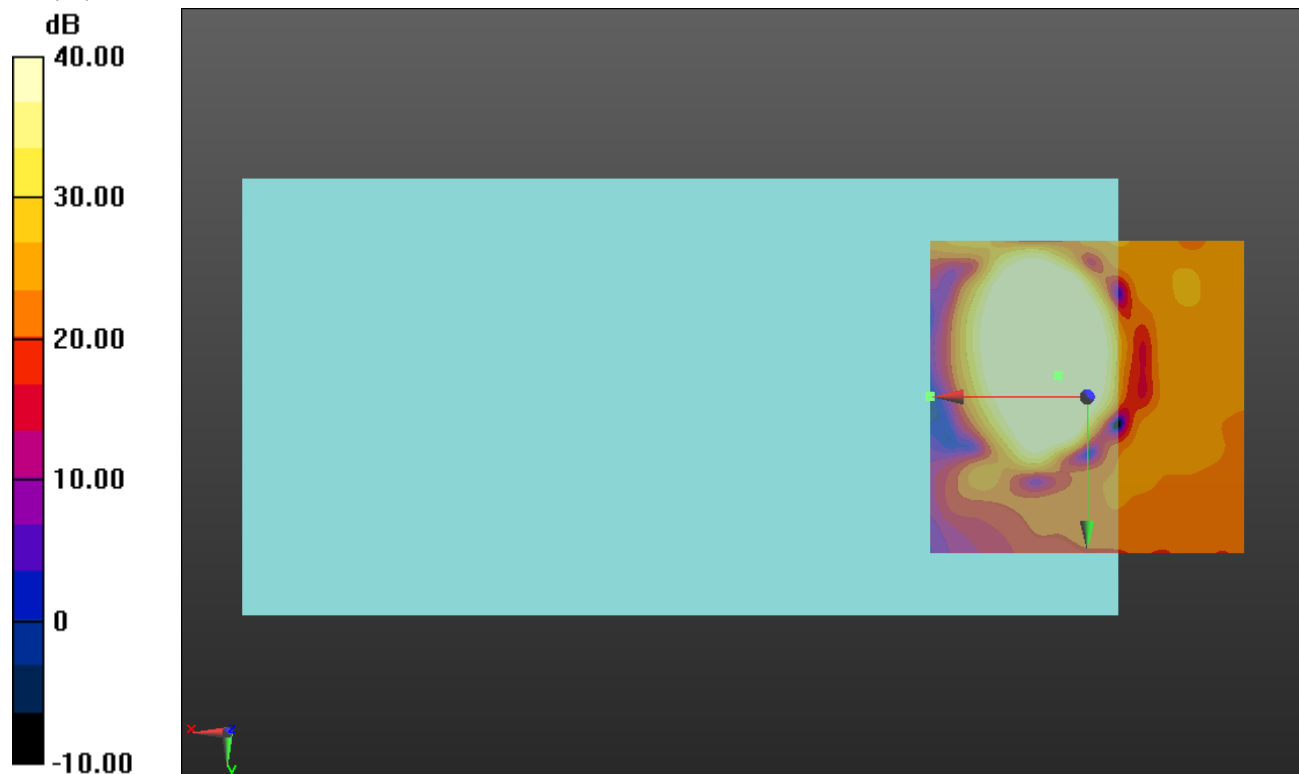
ABM1 comp = 11.33 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -3.3, 3.7 mm

ABM2 = -26.45 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4

Communication System: UID 0, LTE (FDD) (0); Frequency: 1732.5 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4 ch 20175_NB 4.75 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.39 dB

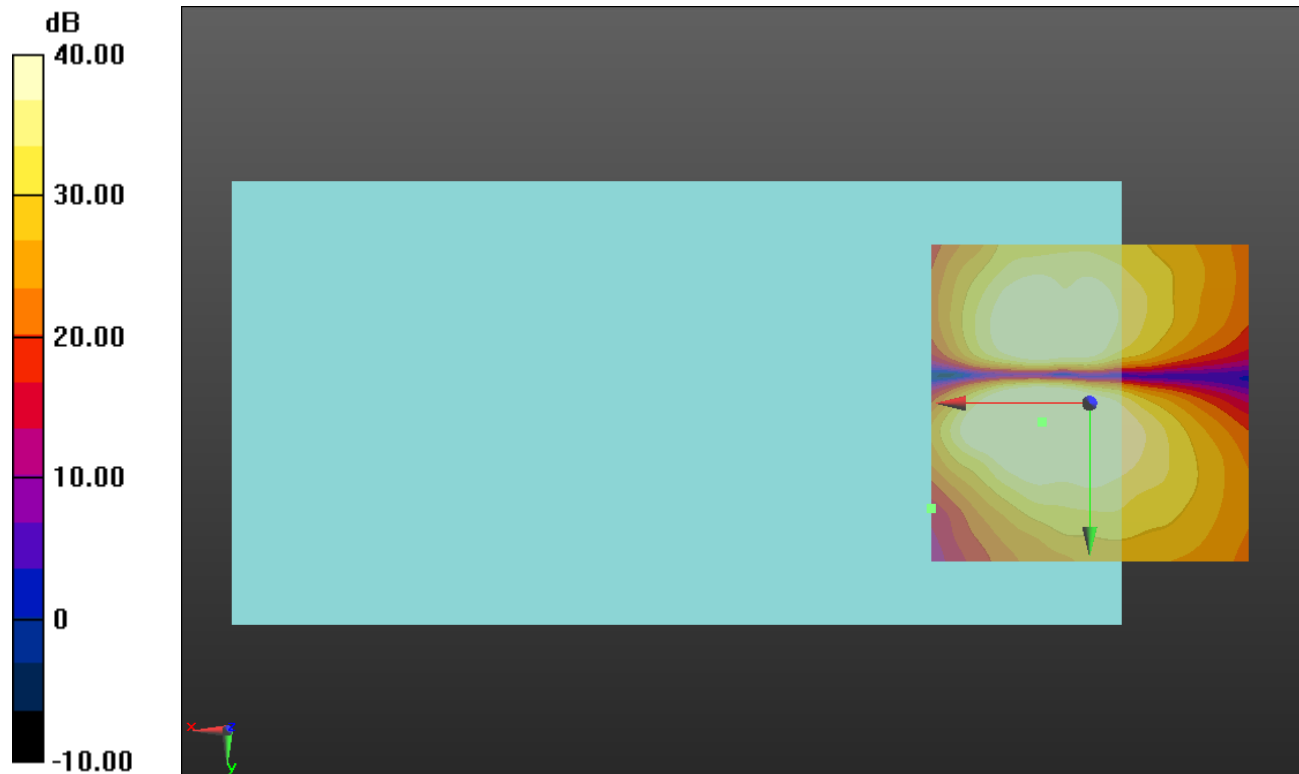
ABM1 comp = 5.04 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 2.9, 3.7 mm

ABM2 = -26.26 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: 2560 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch 21350_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

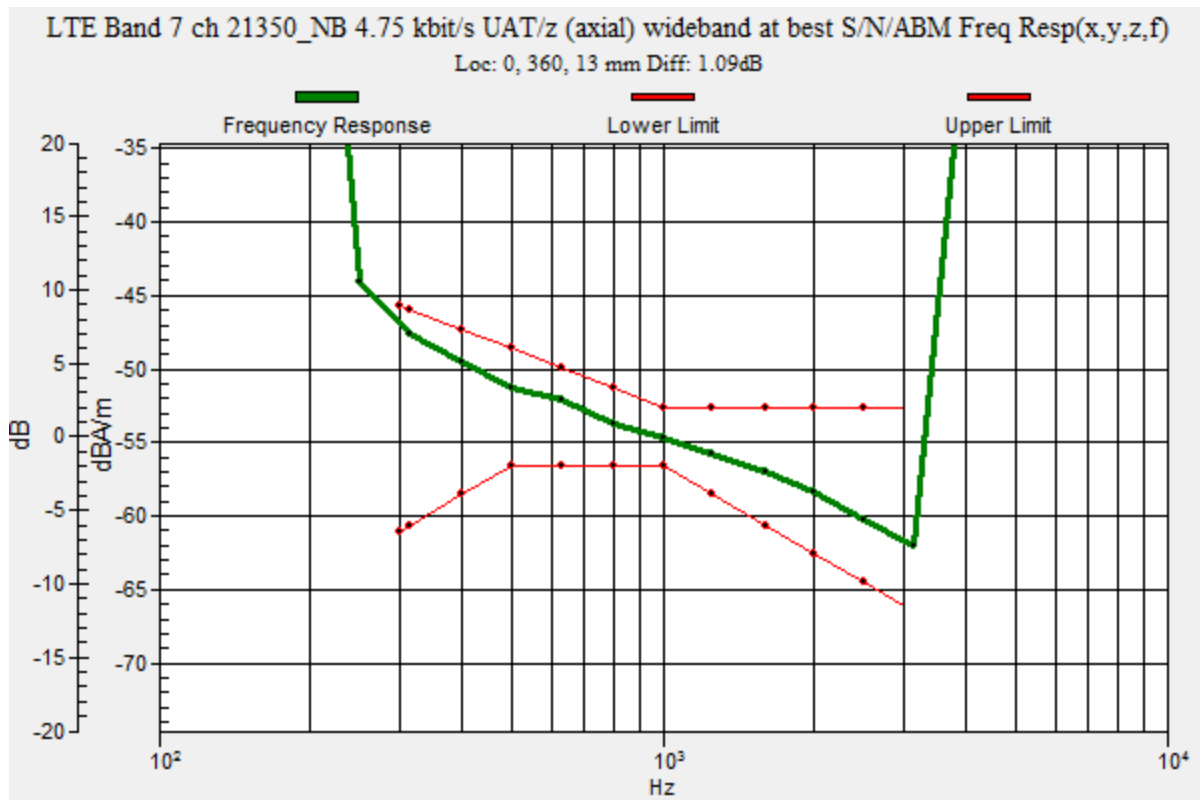
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.09 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 7

Communication System: UID 0, LTE (FDD) (0); Frequency: 2560 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch 21350_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.93 dB

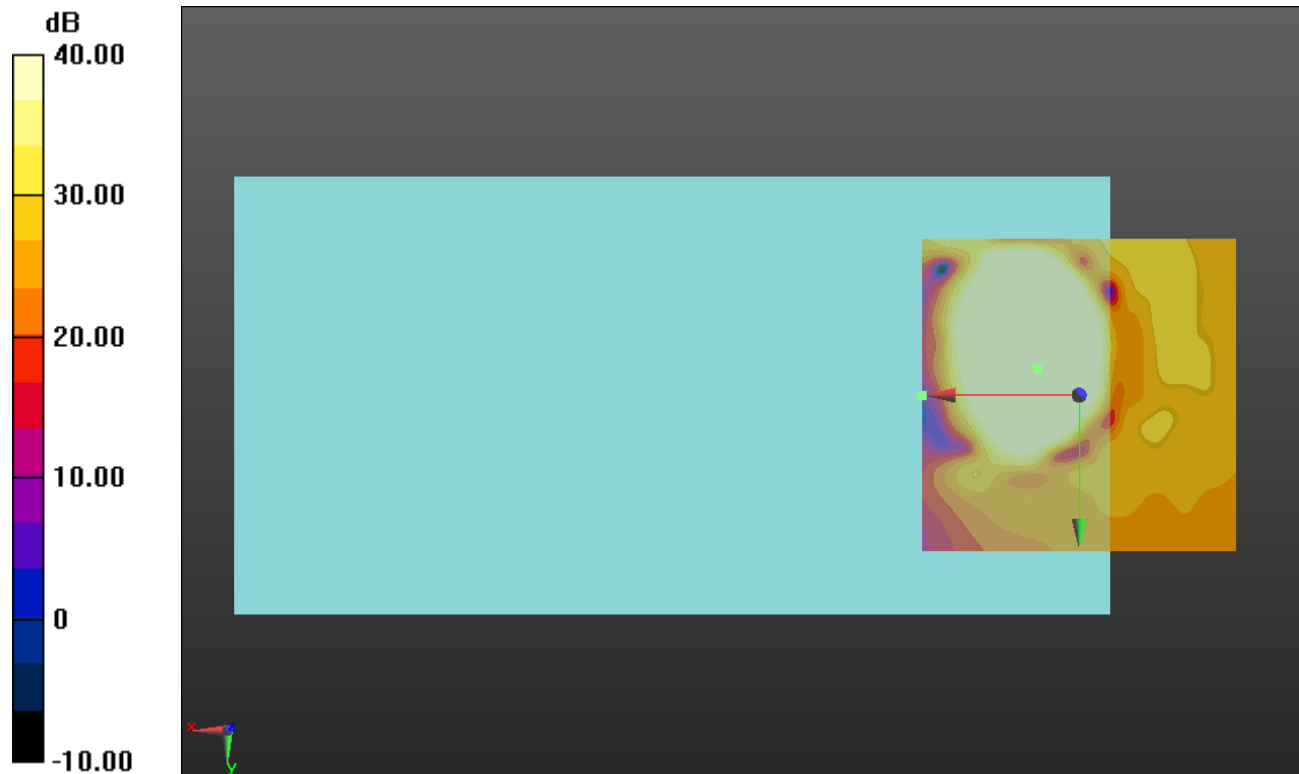
ABM1 comp = 17.34 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, -4.2, 3.7 mm

ABM2 = -27.20 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

Communication System: UID 0, LTE (FDD) (0); Frequency: 2560 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch 21350_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 53.72 dB

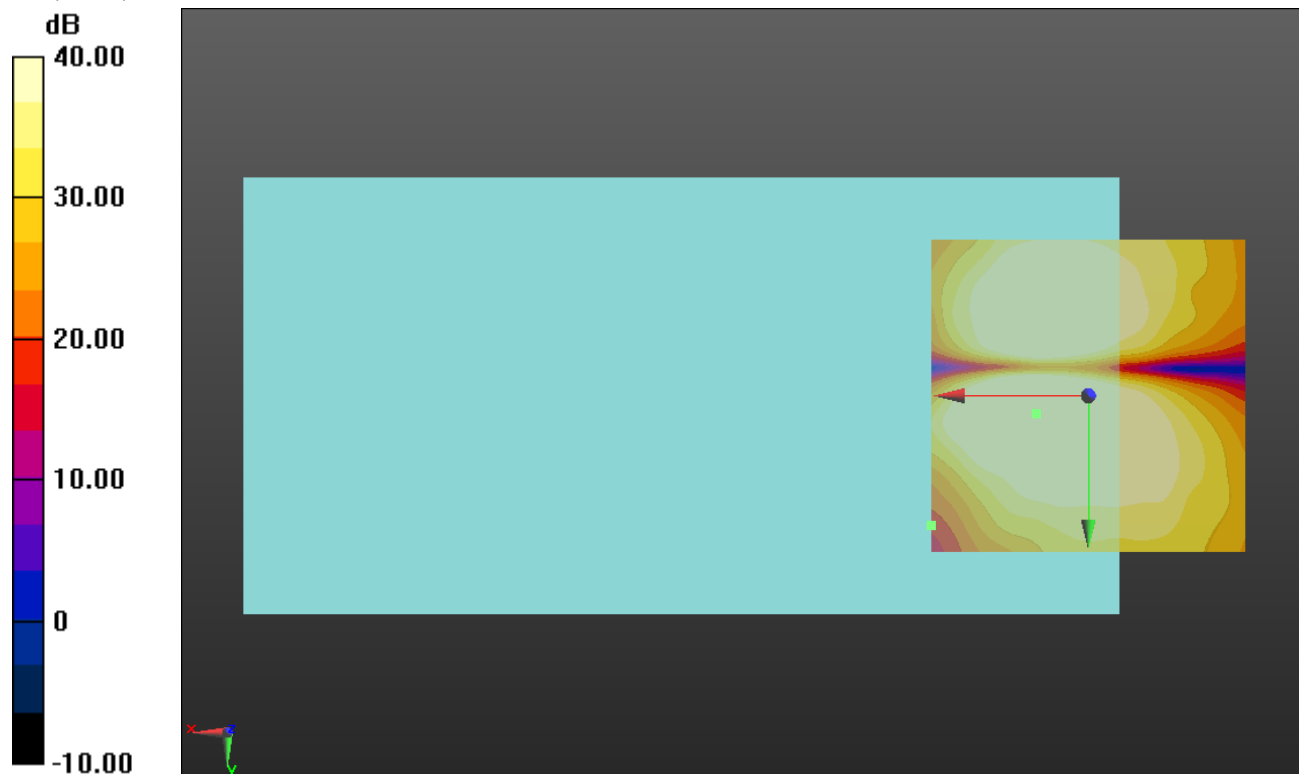
ABM1 comp = 9.22 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 2.9, 3.7 mm

ABM2 = -27.35 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12

Communication System: UID 0, LTE (FDD) (0); Frequency: 711 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch 23130_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

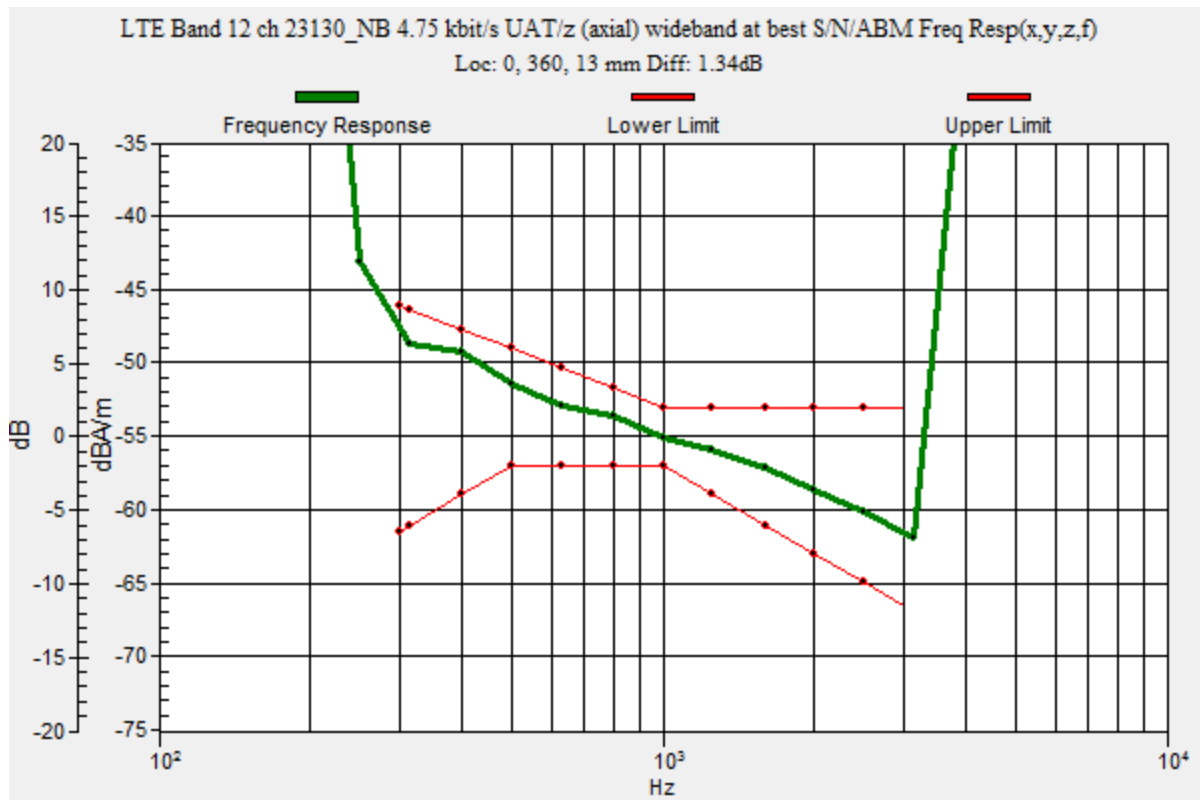
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.34 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 12

Communication System: UID 0, LTE (FDD) (0); Frequency: 711 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch 23130_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.80 dB

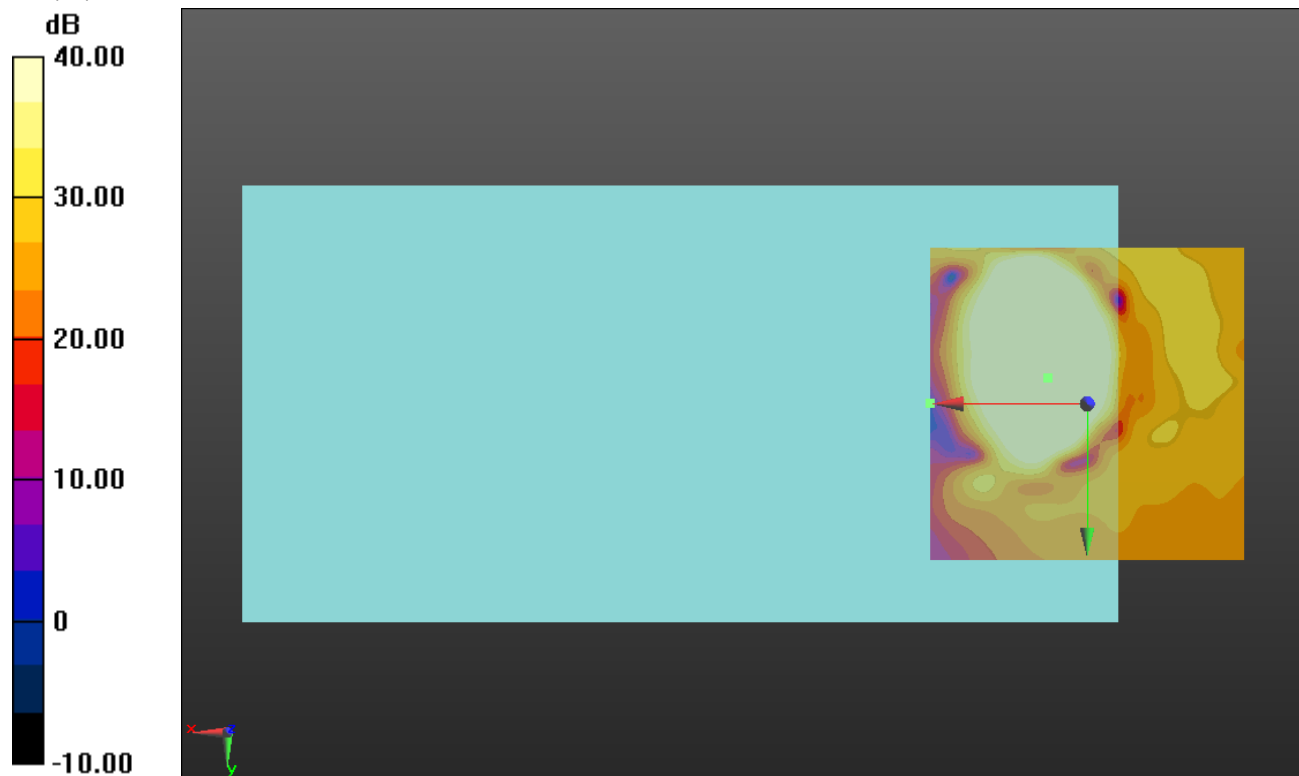
ABM1 comp = 17.30 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, -4.2, 3.7 mm

ABM2 = -26.83 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12

Communication System: UID 0, LTE (FDD) (0); Frequency: 711 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch 23130_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.84 dB

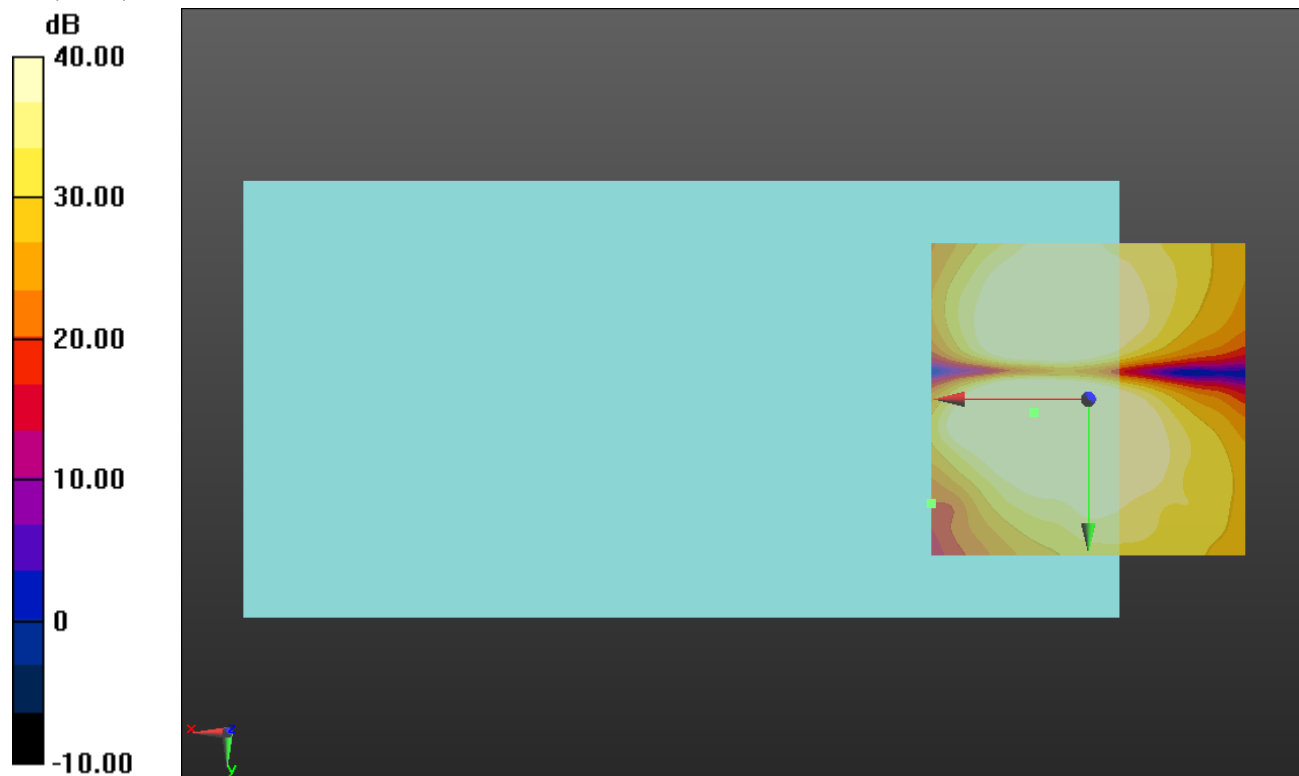
ABM1 comp = 8.35 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, 2.1, 3.7 mm

ABM2 = -26.48 dBA/m

Location: 25, 16.7, 3.7 mm



LTE Band 26

Communication System: UID 0, LTE (FDD) (0); Frequency: 841.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 ch 26965_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

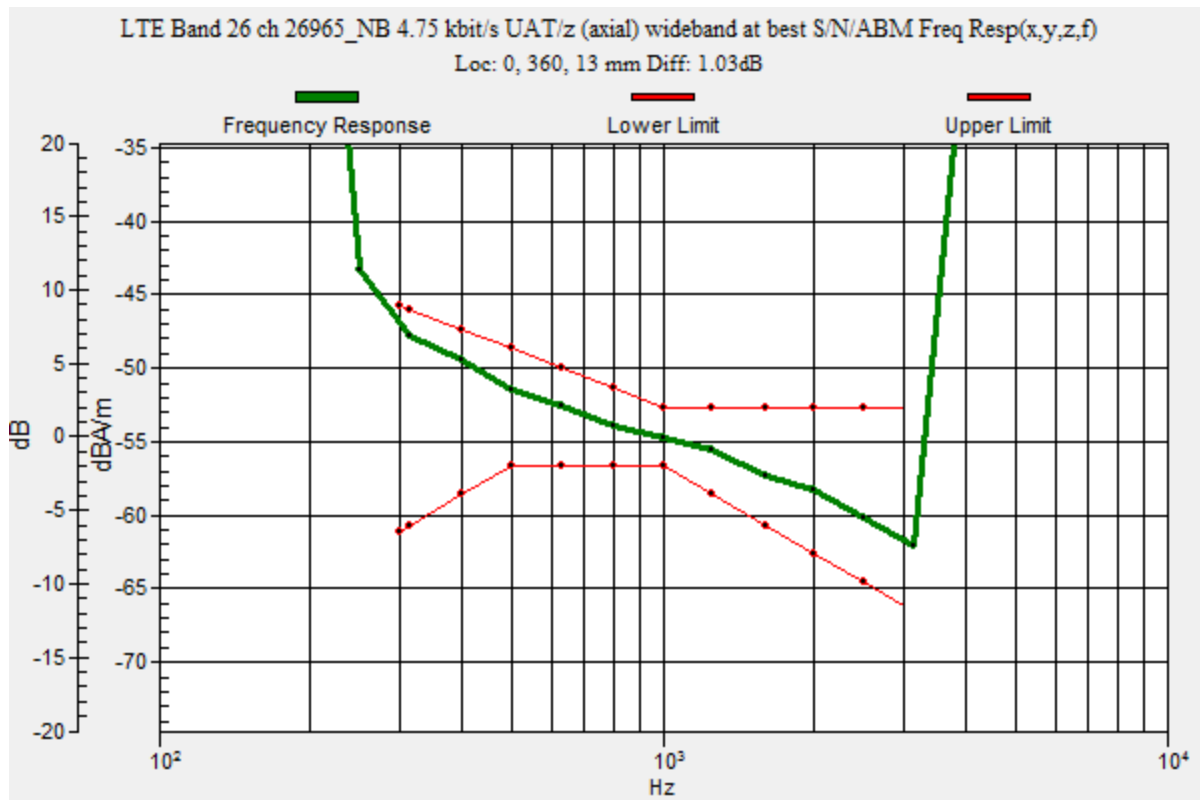
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.03 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 26

Communication System: UID 0, LTE (FDD) (0); Frequency: 841.5 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 ch 26965_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 58.75 dB

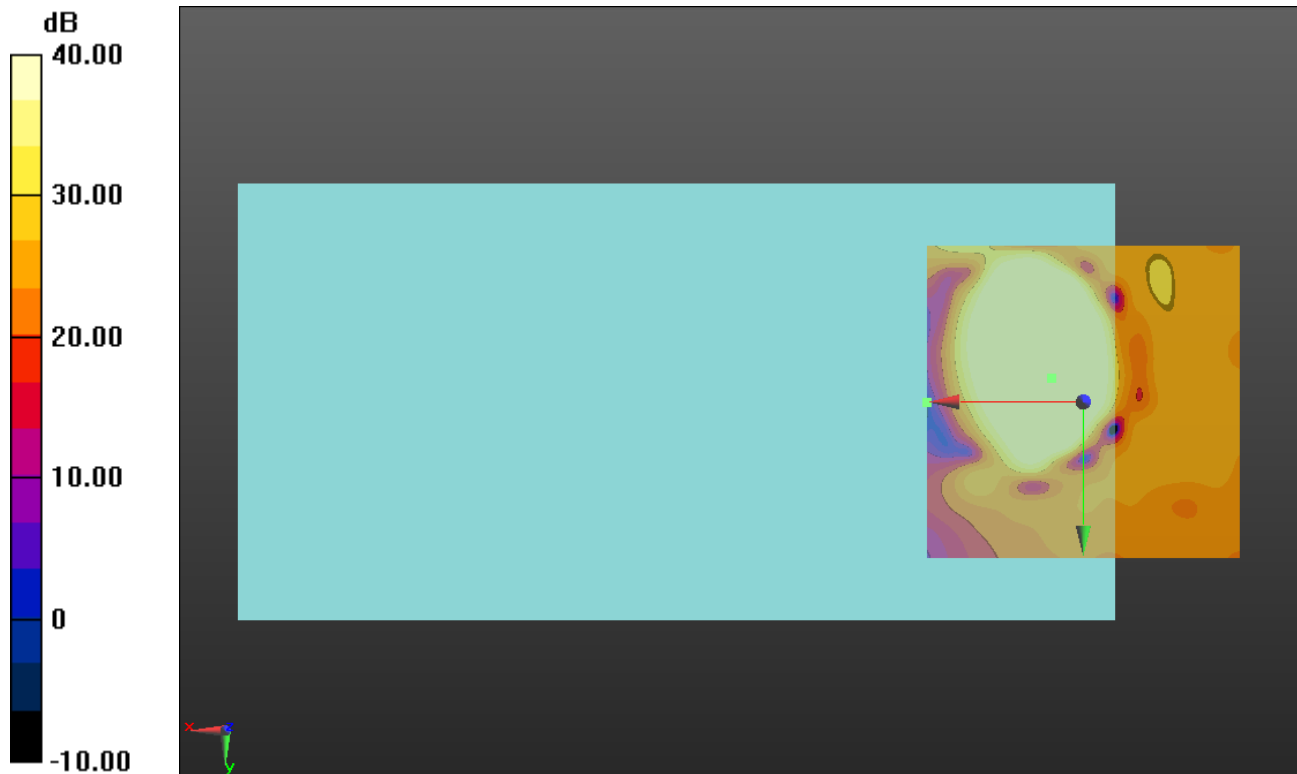
ABM1 comp = 15.21 dBA/m

BWC Factor = 0.16 dB

Location: 5, -3.8, 3.7 mm

ABM2 = -26.41 dBA/m

Location: 25, 0, 3.7 mm



LTE Band 26

Communication System: UID 0, LTE (FDD) (0); Frequency: 841.5 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 ch 26965_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 50.99 dB

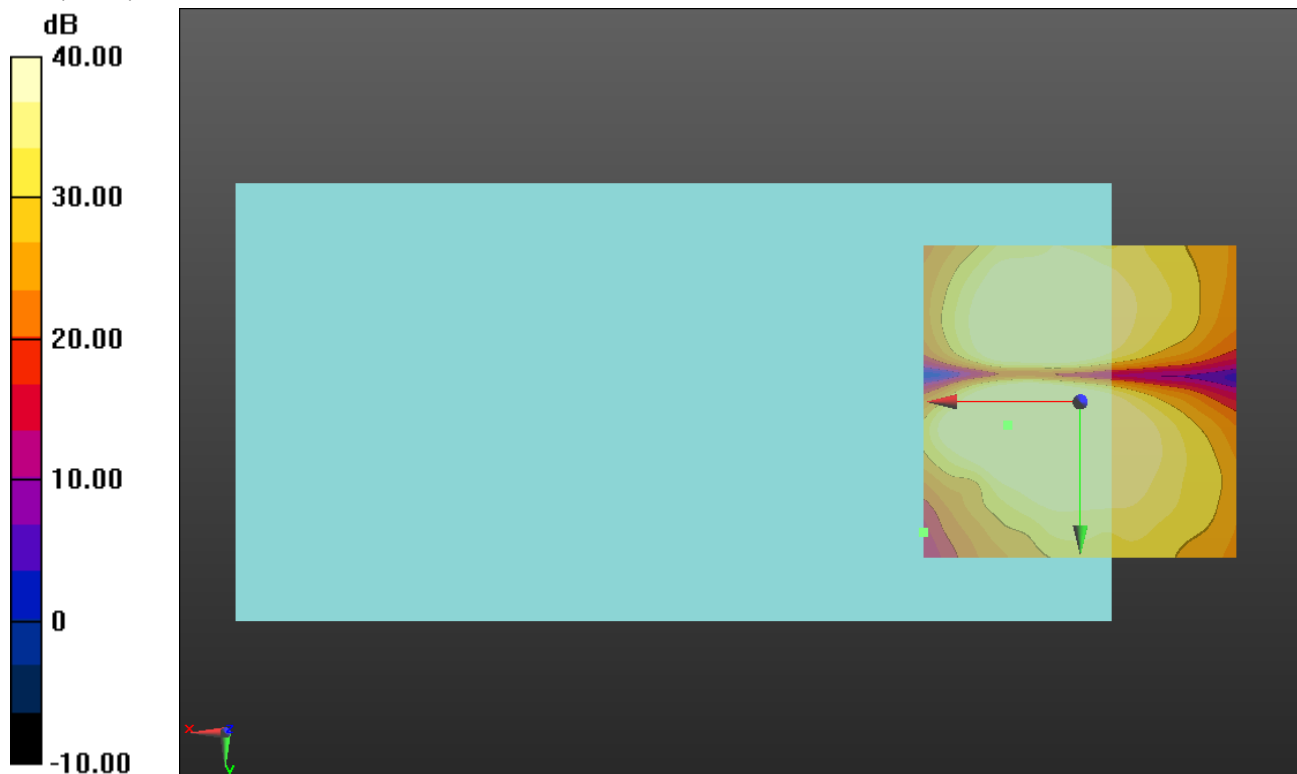
ABM1 comp = 10.01 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, 3.7, 3.7 mm

ABM2 = -25.91 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

Communication System: UID 0, @LTE (TDD) (0); Frequency: 2680 MHz;Duty Cycle: 1:1.59956

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch 41490_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

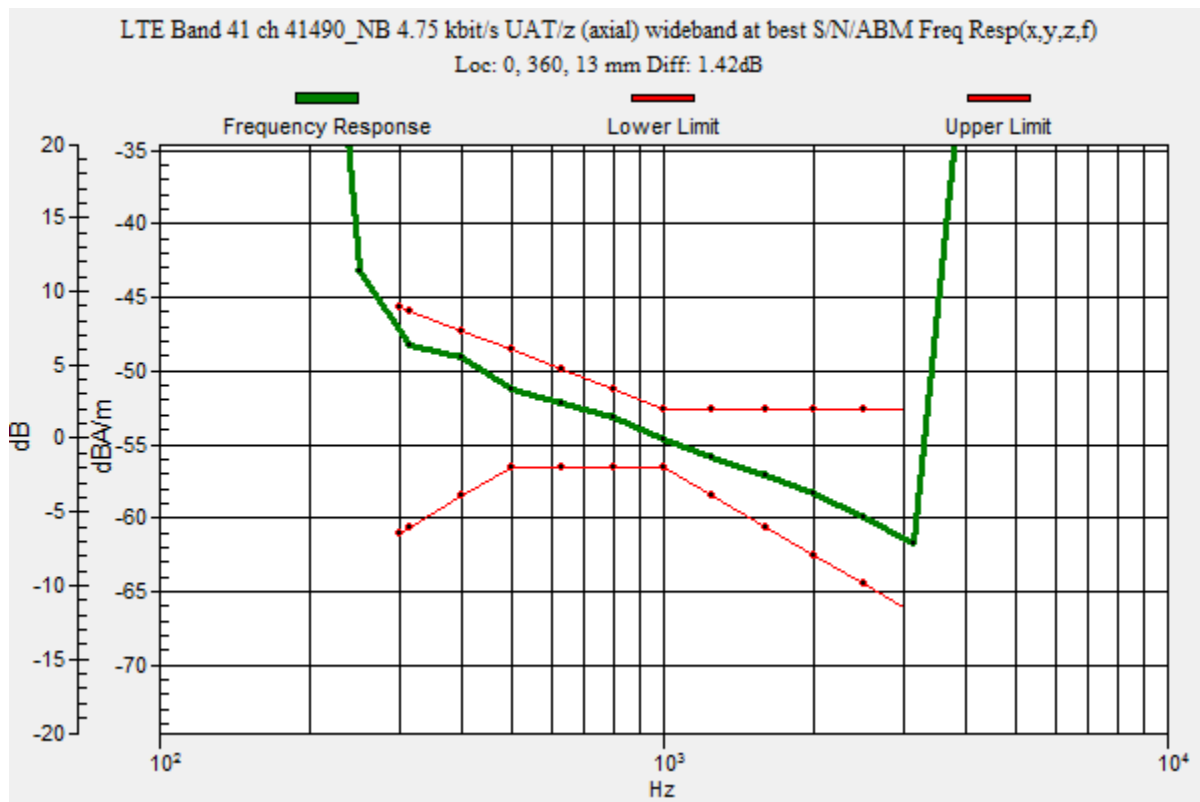
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.42 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 41

Communication System: UID 0, @LTE (TDD) (0); Frequency: 2680 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch 41490_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 58.33 dB

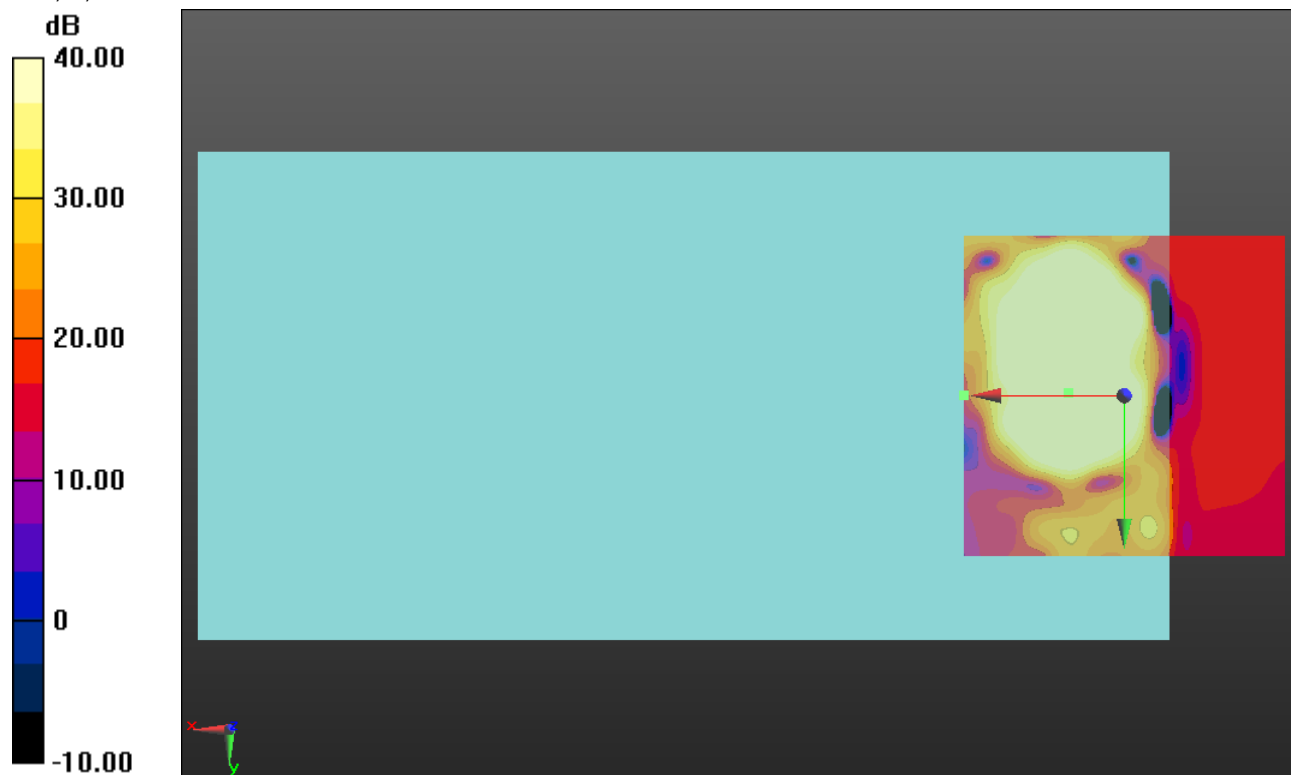
ABM1 comp = 15.22 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -0.4, 3.7 mm

ABM2 = -26.75 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

Communication System: UID 0, @LTE (TDD) (0); Frequency: 2680 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 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch 41490_NB 4.75 kbit/s UAT/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.38 dB

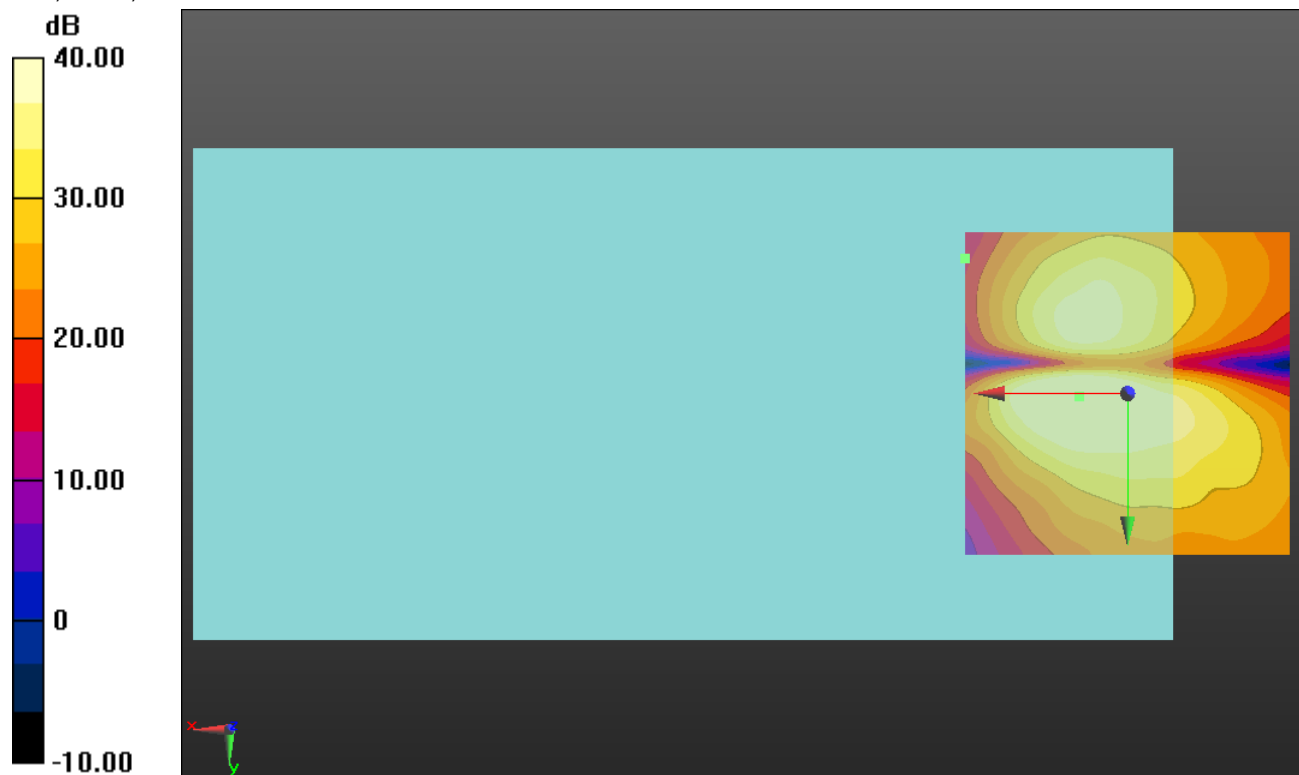
ABM1 comp = 6.20 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 0.4, 3.7 mm

ABM2 = -20.50 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11b

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2412 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b CCK 5.5Mbps ch 1_EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

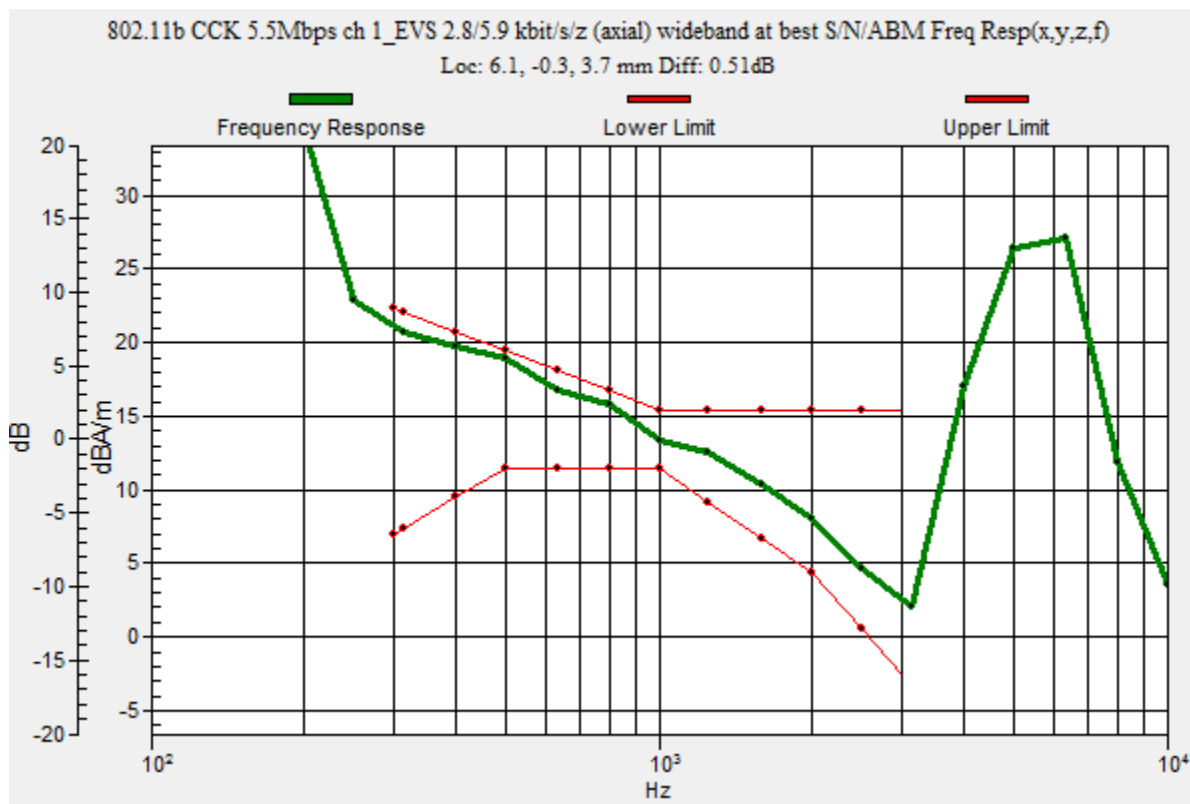
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.51 dB

BWC Factor = 10.80 dB

Location: 6.1, -0.3, 3.7 mm



802.11b

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b CCK 5.5Mbps ch 1_EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.18 dB

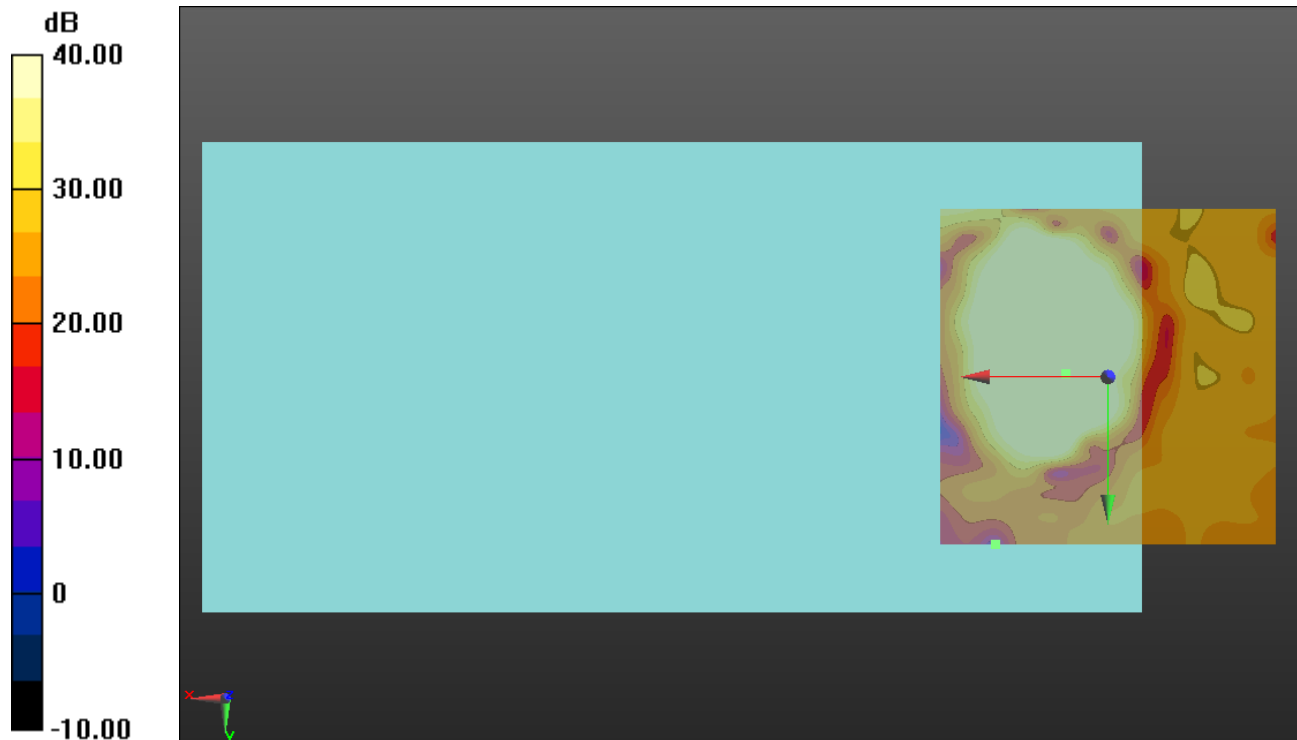
ABM1 comp = 14.29 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, -0.4, 3.7 mm

ABM2 = -24.32 dBA/m

Location: 16.7, 25, 3.7 mm



802.11b

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b CCK 5.5Mbps ch 1_EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.05 dB

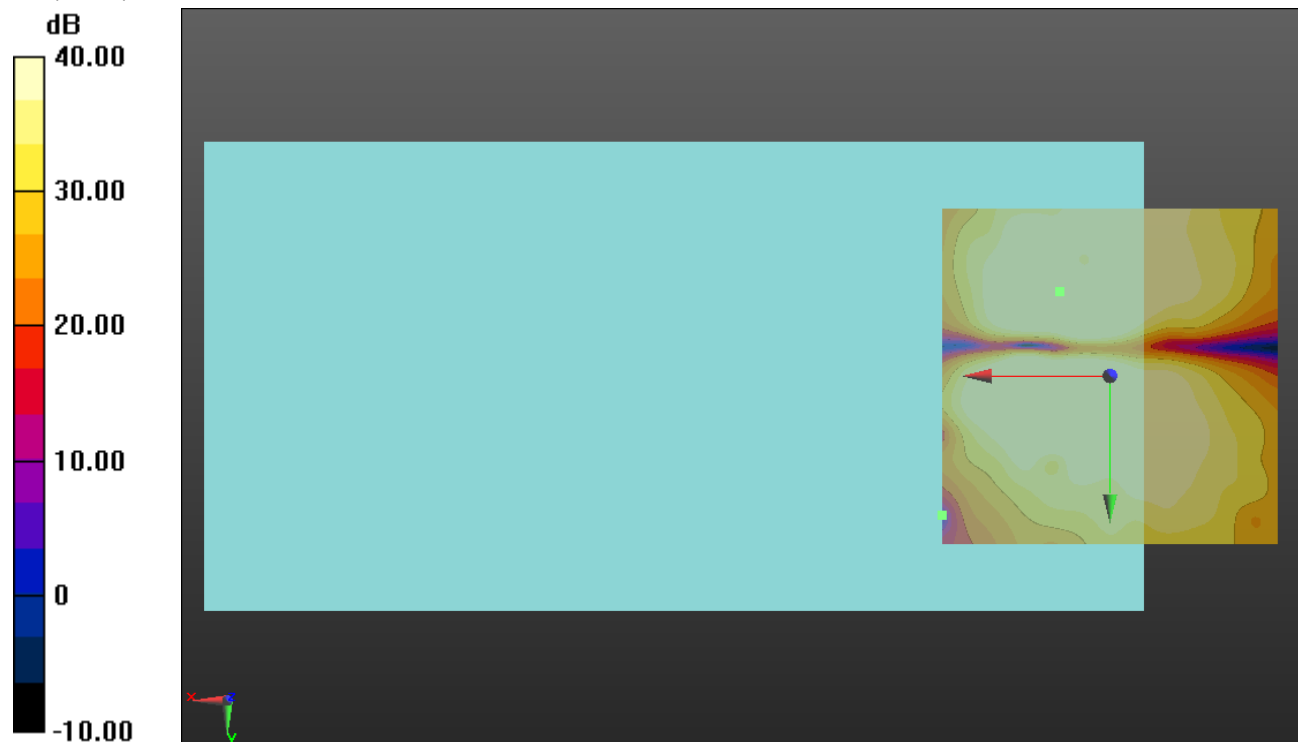
ABM1 comp = 7.65 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -12.5, 3.7 mm

ABM2 = -15.20 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

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 BPSK 6Mbps ch 36 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

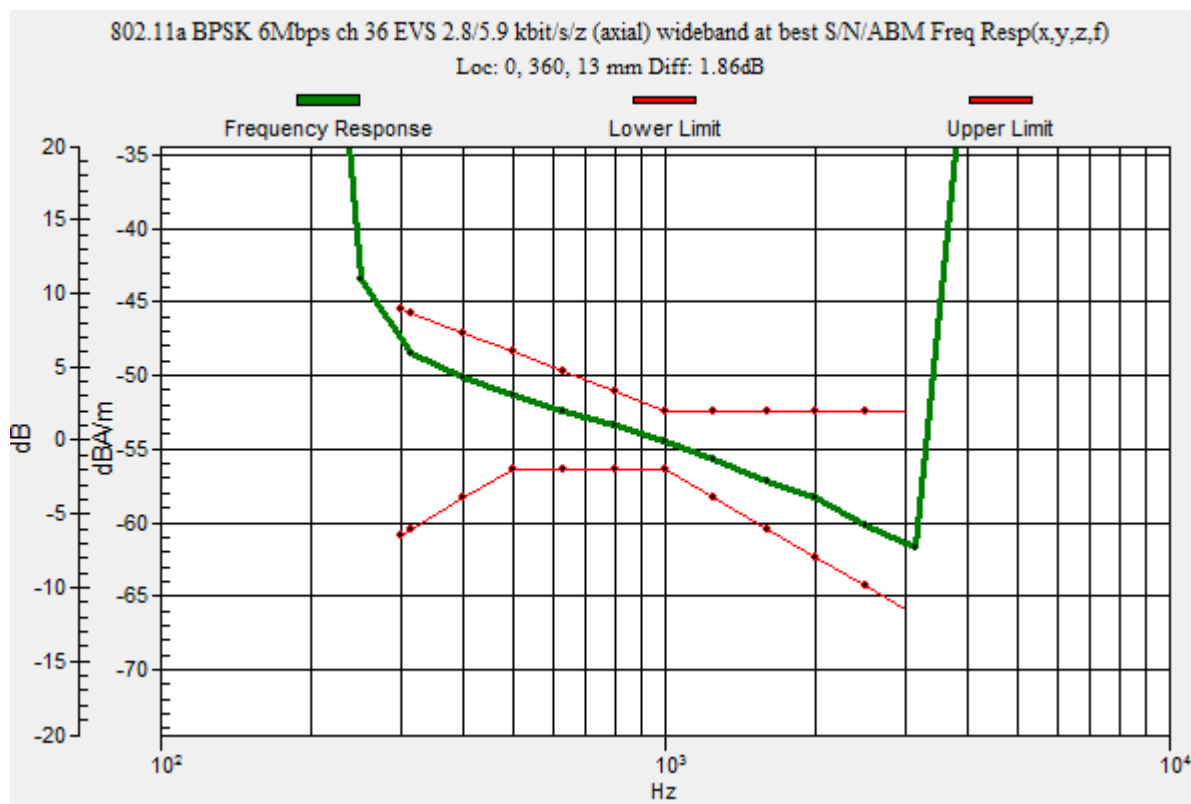
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.86 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK 6Mbps ch 36 EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 57.89 dB

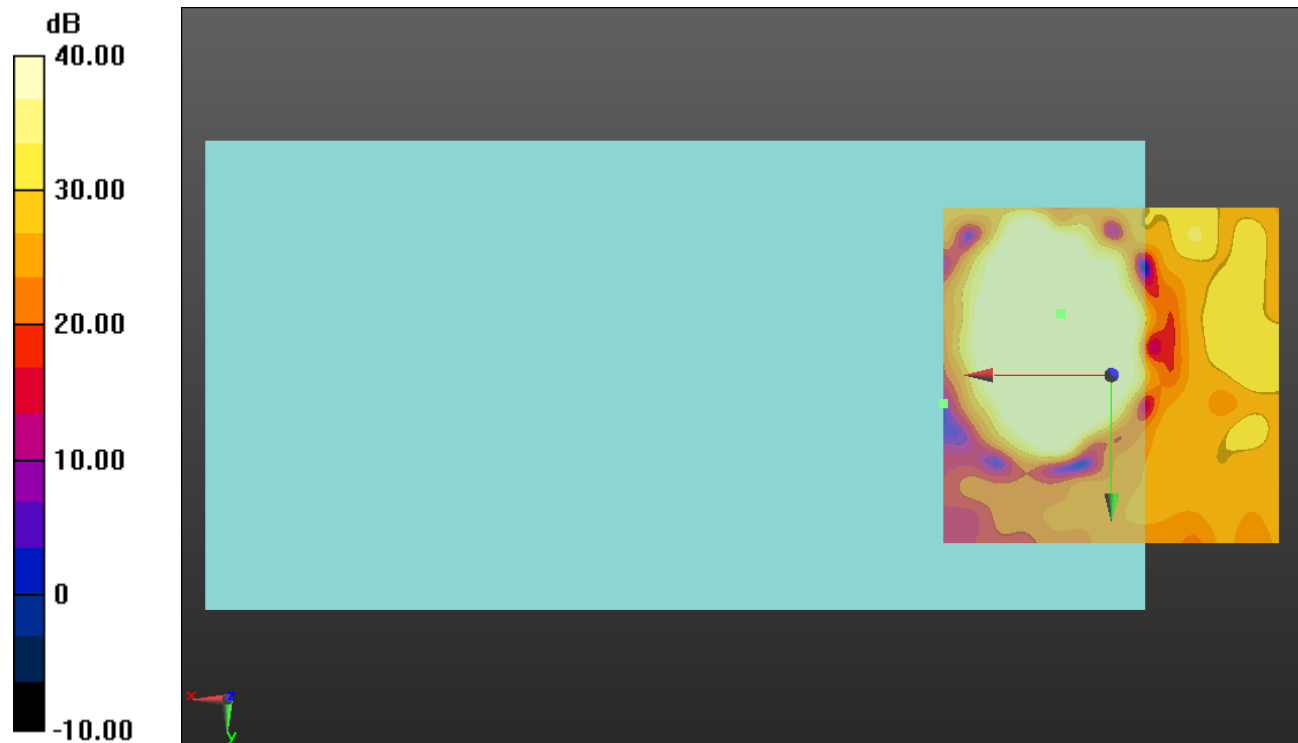
ABM1 comp = 14.01 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, -9.2, 3.7 mm

ABM2 = -29.62 dBA/m

Location: 25, 4.2, 3.7 mm



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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK 6Mbps ch 36 EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 50.92 dB

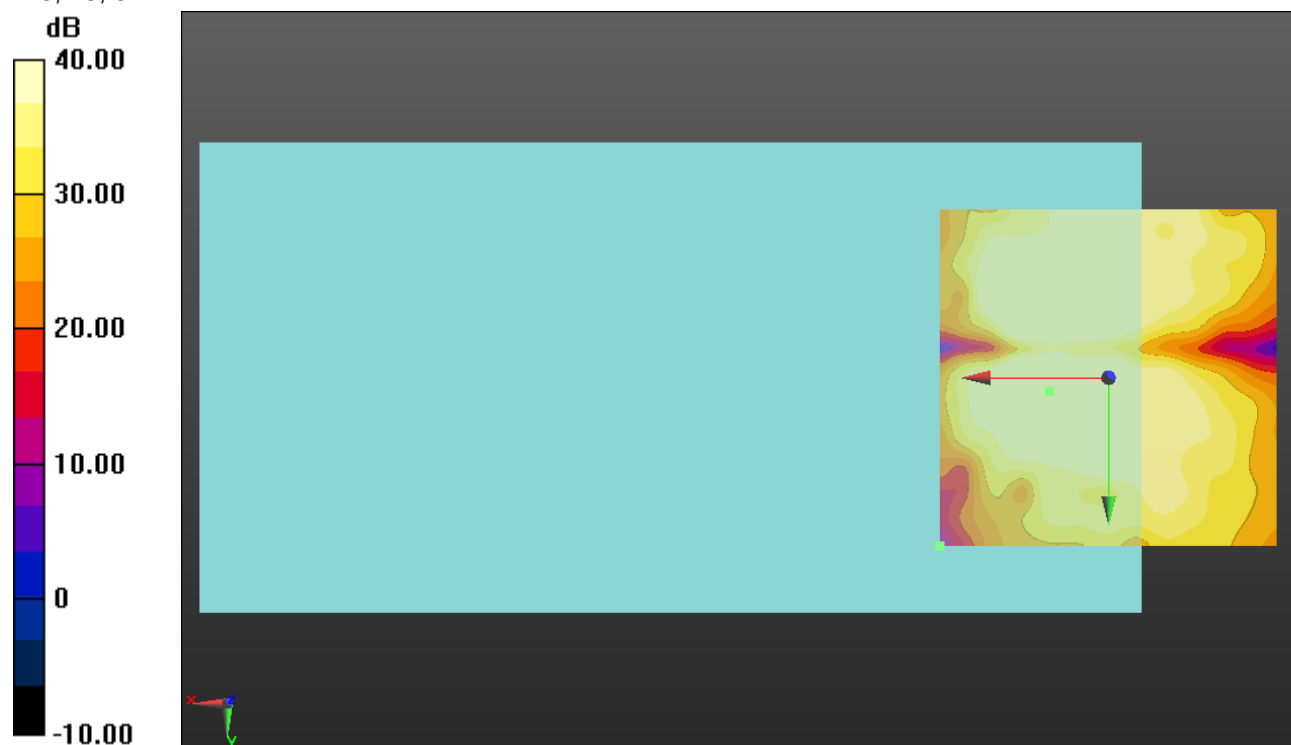
ABM1 comp = 7.53 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, 2.1, 3.7 mm

ABM2 = -24.72 dBA/m

Location: 25, 25, 3.7 mm



0 dB = 1.000 = 0.00 dB

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 BPSK_6Mbps ch 52 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

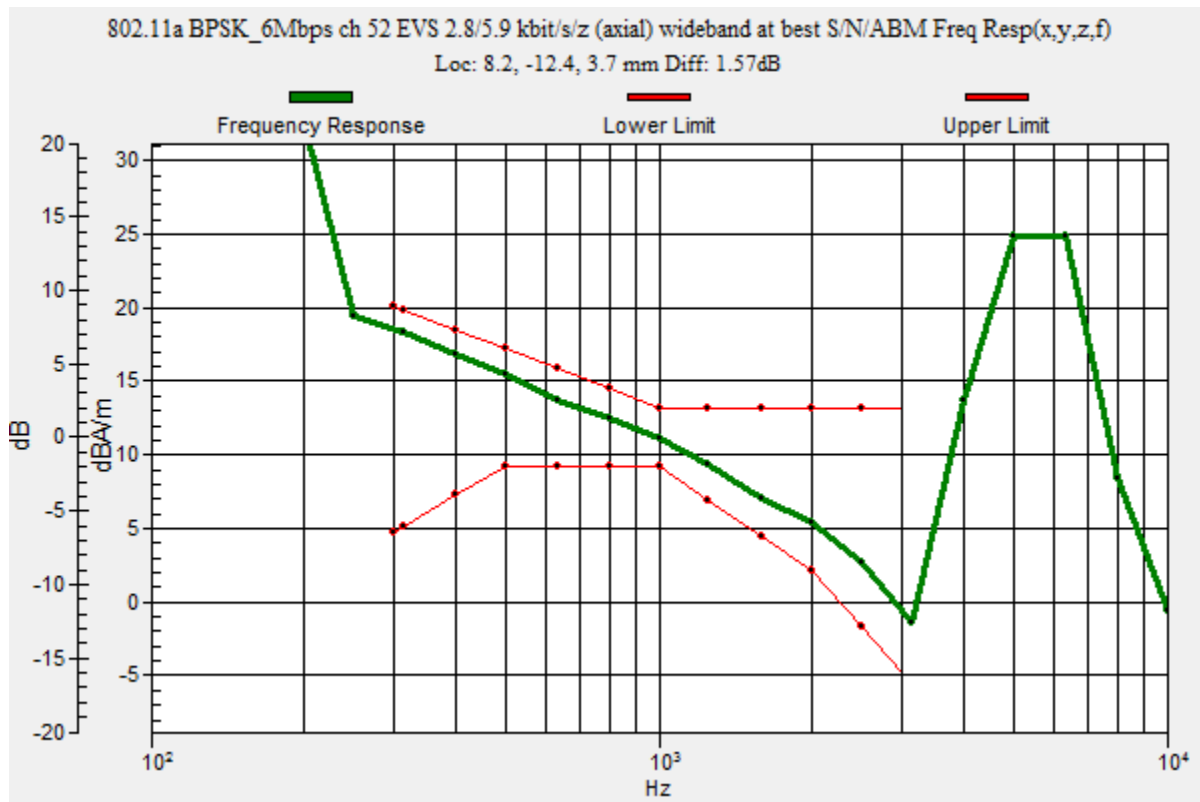
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.57 dB

BWC Factor = 10.80 dB

Location: 8.2, -12.4, 3.7 mm



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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK_6Mbps ch 52 EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 58.69 dB

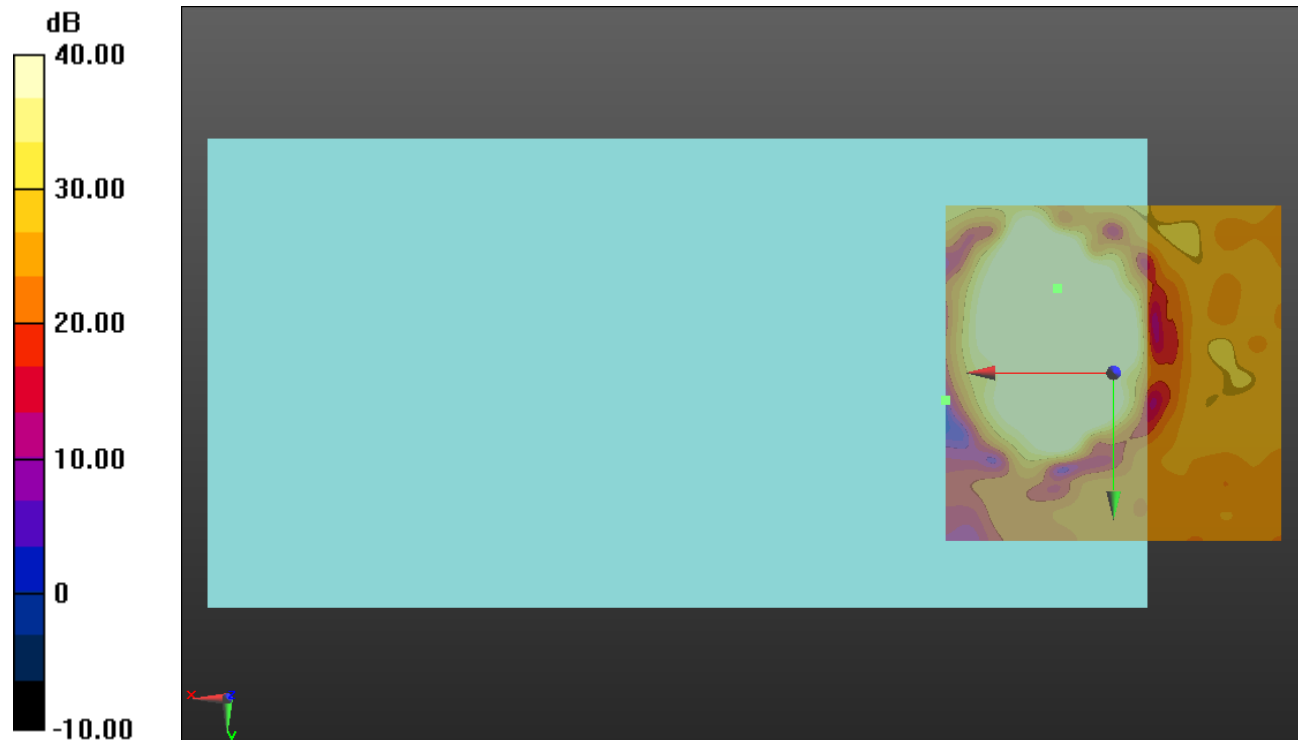
ABM1 comp = 12.42 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -12.5, 3.7 mm

ABM2 = -27.66 dBA/m

Location: 25, 4.2, 3.7 mm



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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK_6Mbps ch 52 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 50.78 dB

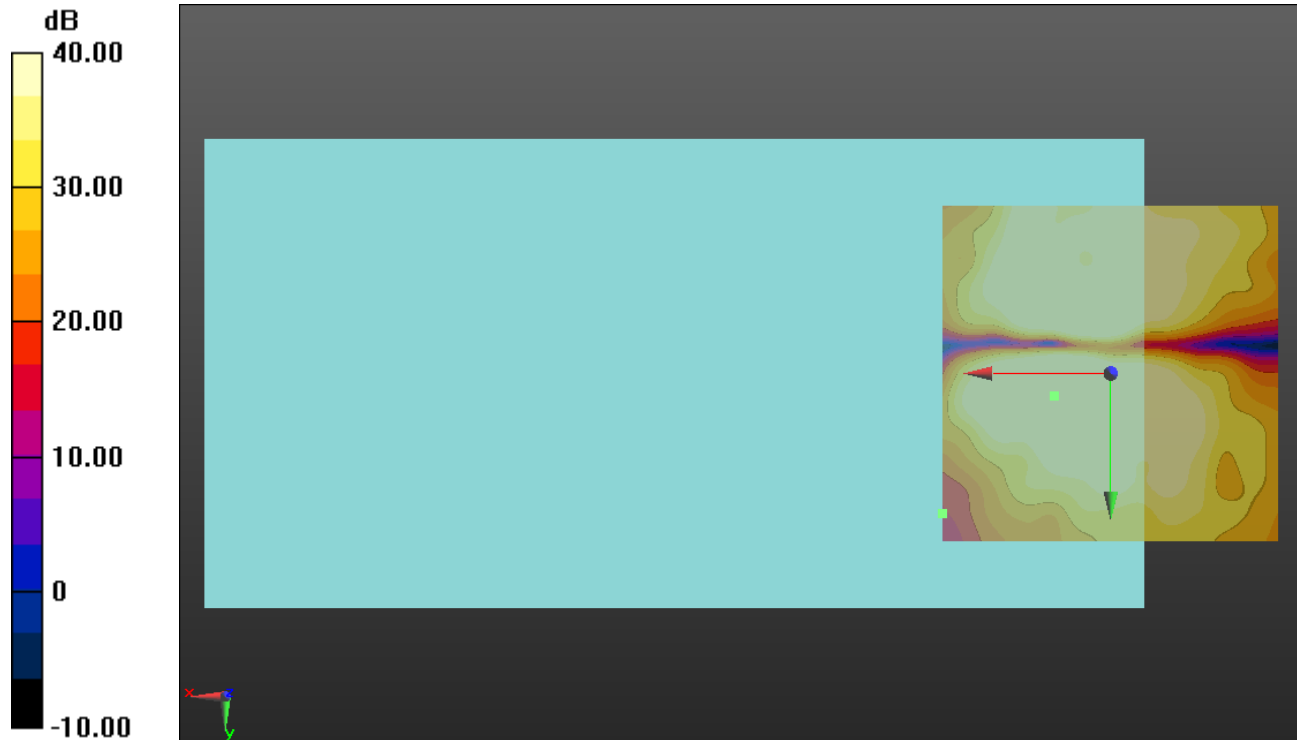
ABM1 comp = 9.34 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 3.3, 3.7 mm

ABM2 = -25.97 dBA/m

Location: 25, 20.8, 3.7 mm



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 BPSK_6Mbps ch 100 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

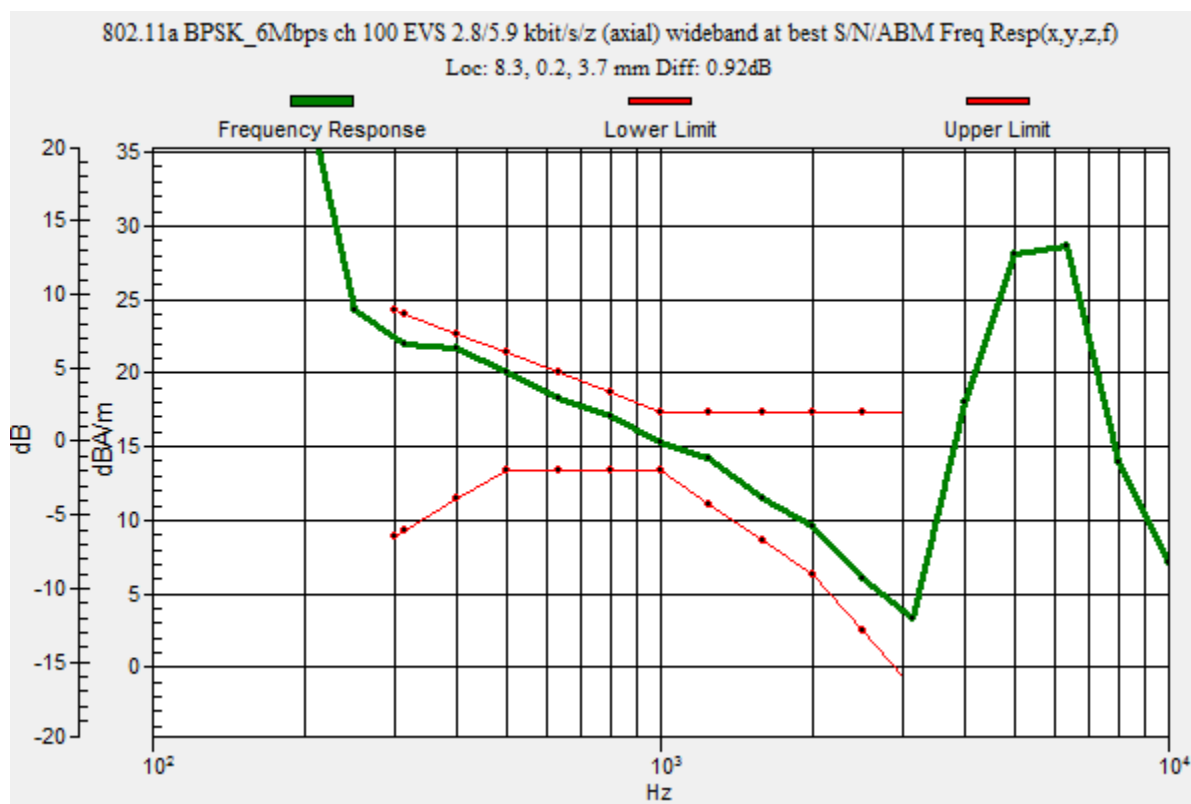
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.92 dB

BWC Factor = 10.80 dB

Location: 8.3, 0.2, 3.7 mm



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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK_6Mbps ch 100 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 58.71 dB

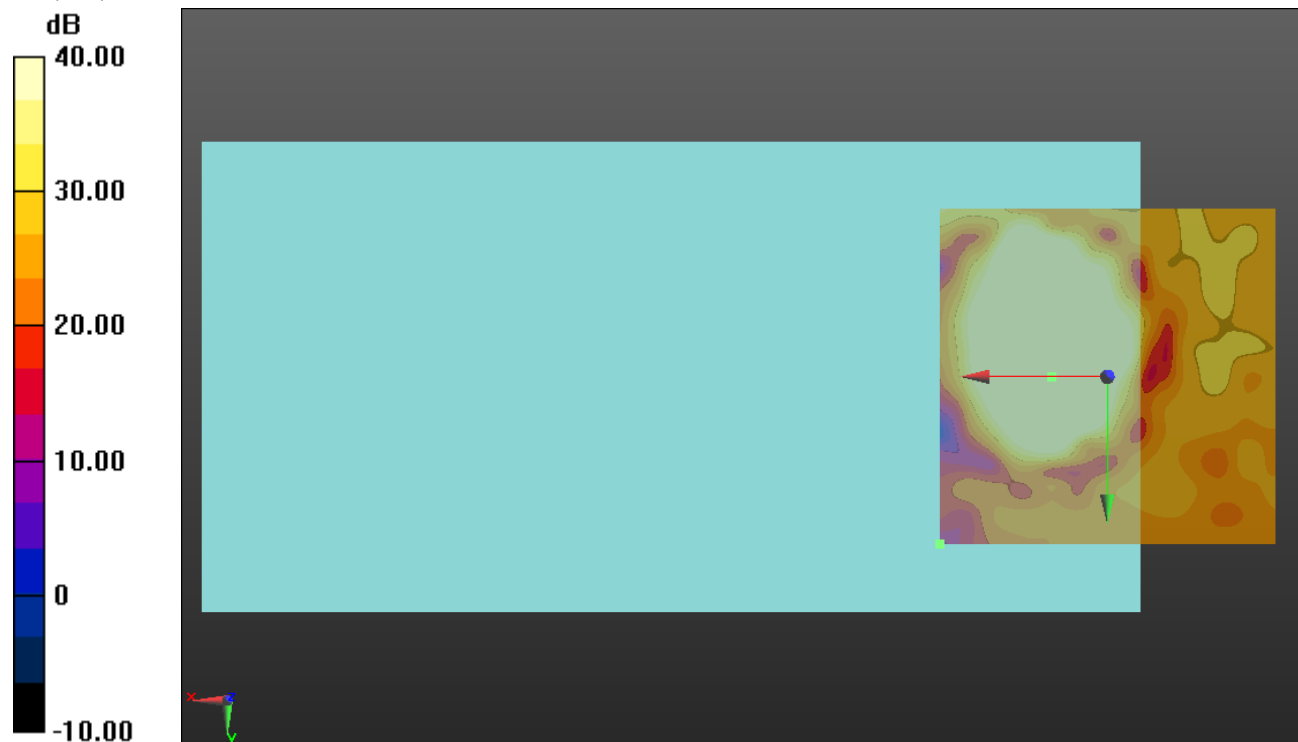
ABM1 comp = 15.94 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0, 3.7 mm

ABM2 = -25.32 dBA/m

Location: 25, 25, 3.7 mm



0 dB = 1.000 = 0.00 dB

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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK_6Mbps ch 100 EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.90 dB

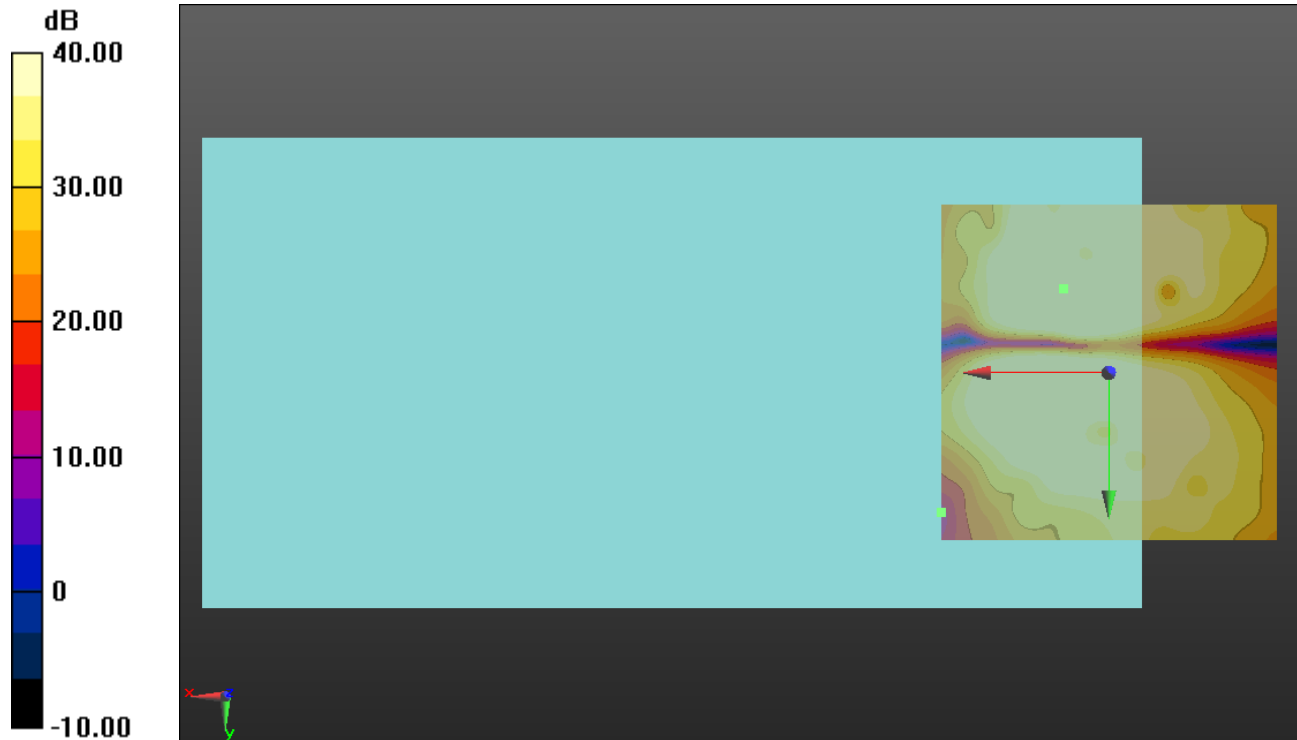
ABM1 comp = 7.87 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, -12.5, 3.7 mm

ABM2 = -25.35 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

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 BPSK_6Mbps ch 149 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

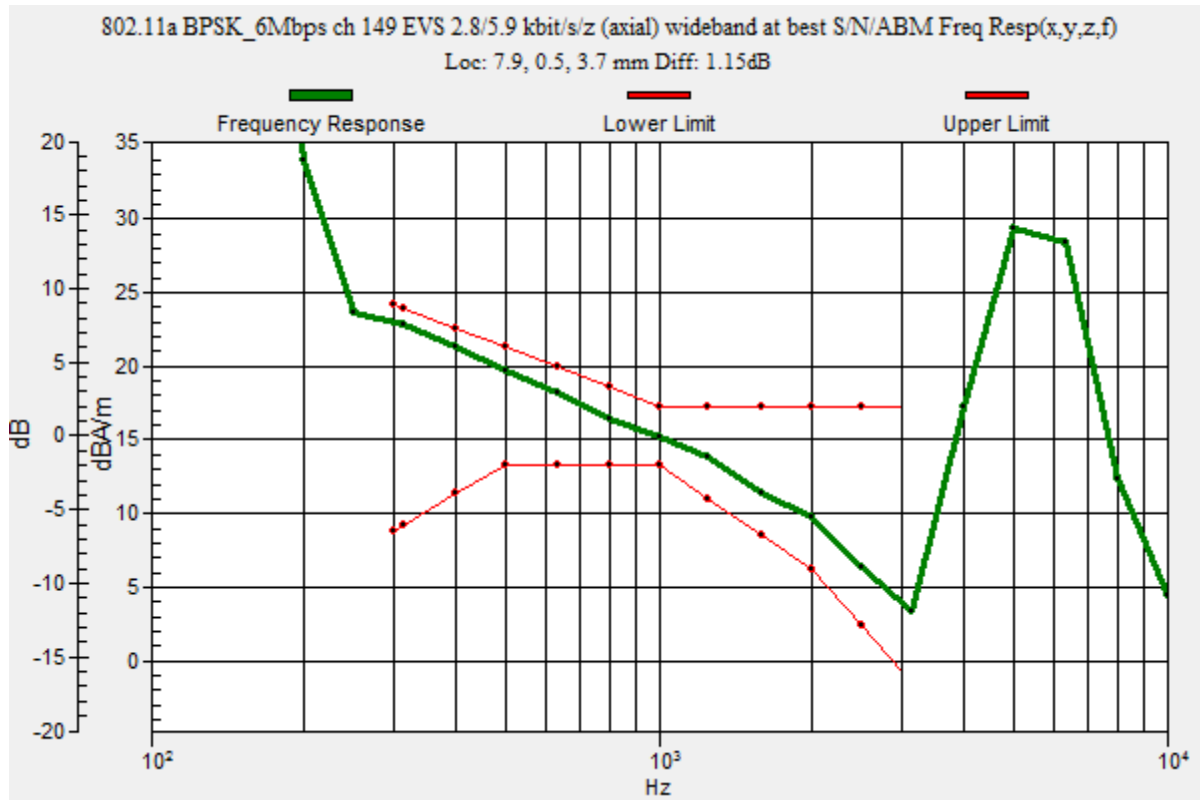
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.15 dB

BWC Factor = 10.80 dB

Location: 7.9, 0.5, 3.7 mm



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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0);SEMCAD X Version 14.6.10 (7417)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK_6Mbps ch 149 EVS
2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 64.22 dB

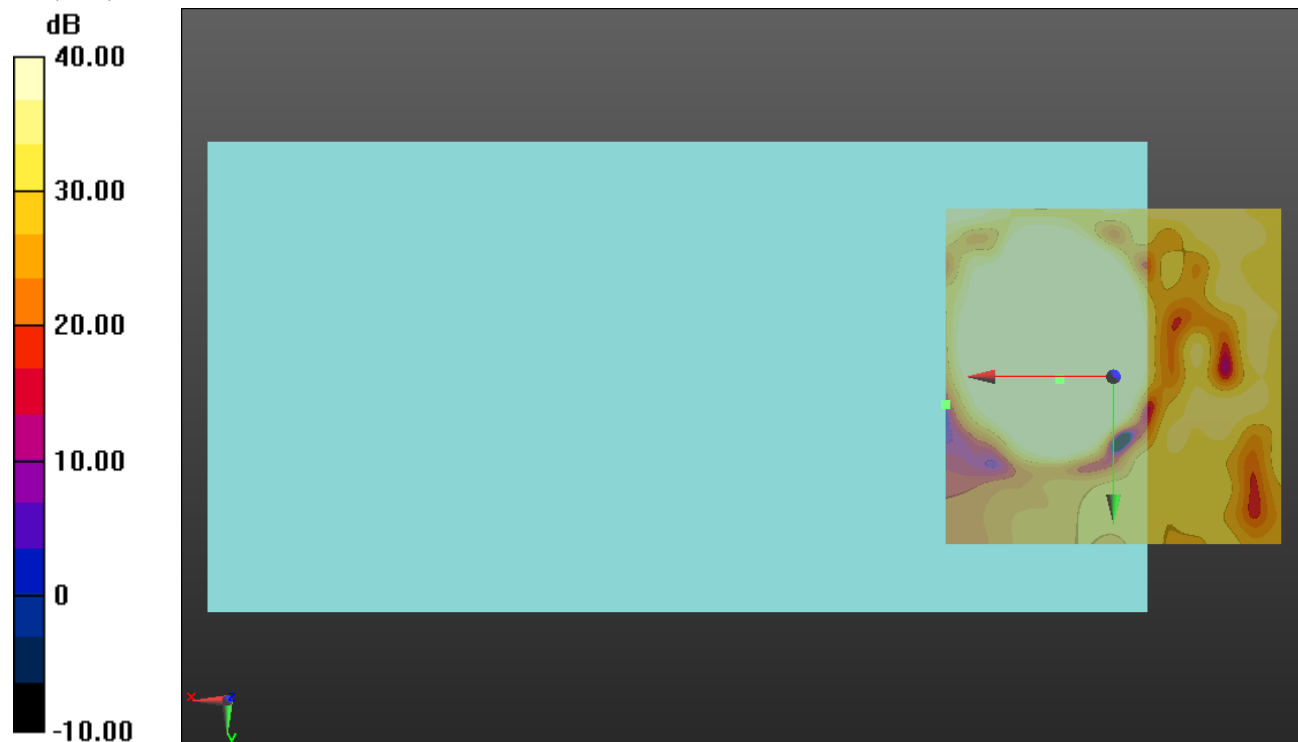
ABM1 comp = 15.19 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 0.4, 3.7 mm

ABM2 = -28.21 dBA/m

Location: 25, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

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 - 3092; ; Calibrated: 7/20/2017
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 2/8/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a BPSK_6Mbps ch 149 EVS 2.8/5.9 kbit/s/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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 55.51 dB

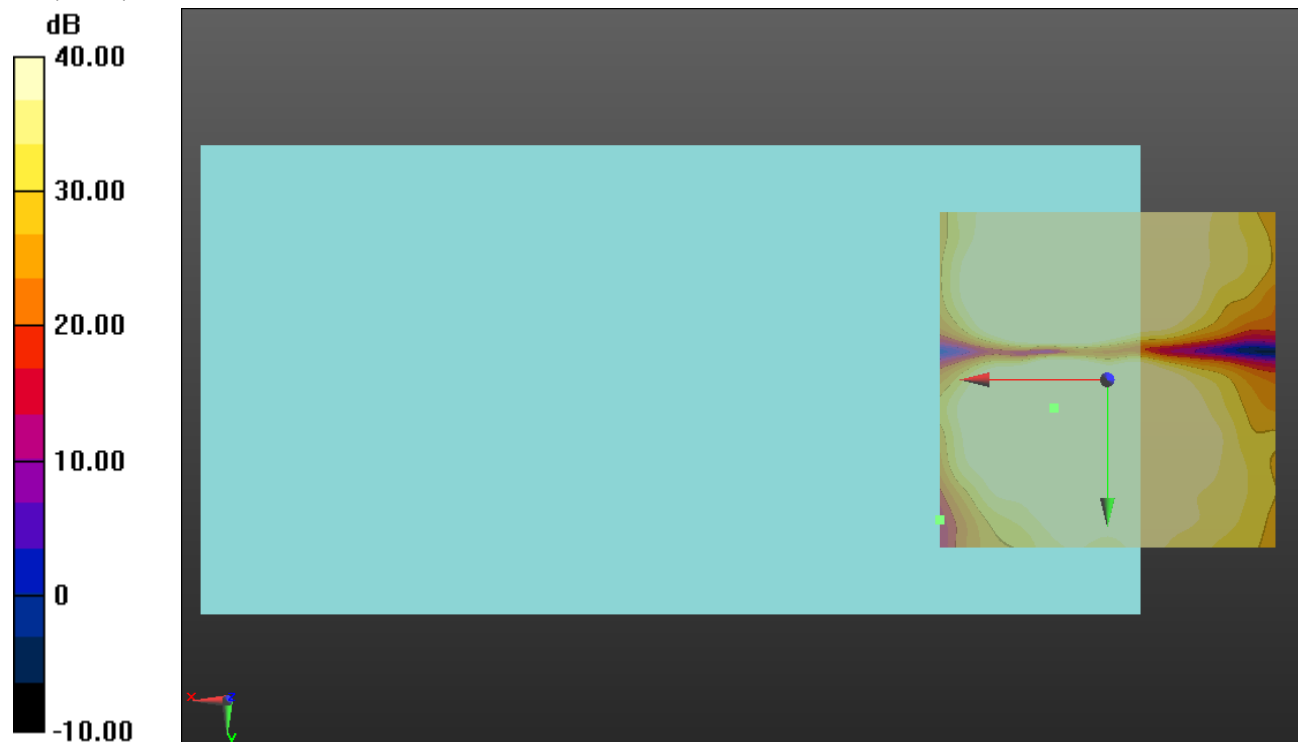
ABM1 comp = 8.95 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 4.2, 3.7 mm

ABM2 = -25.46 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB