

GSM

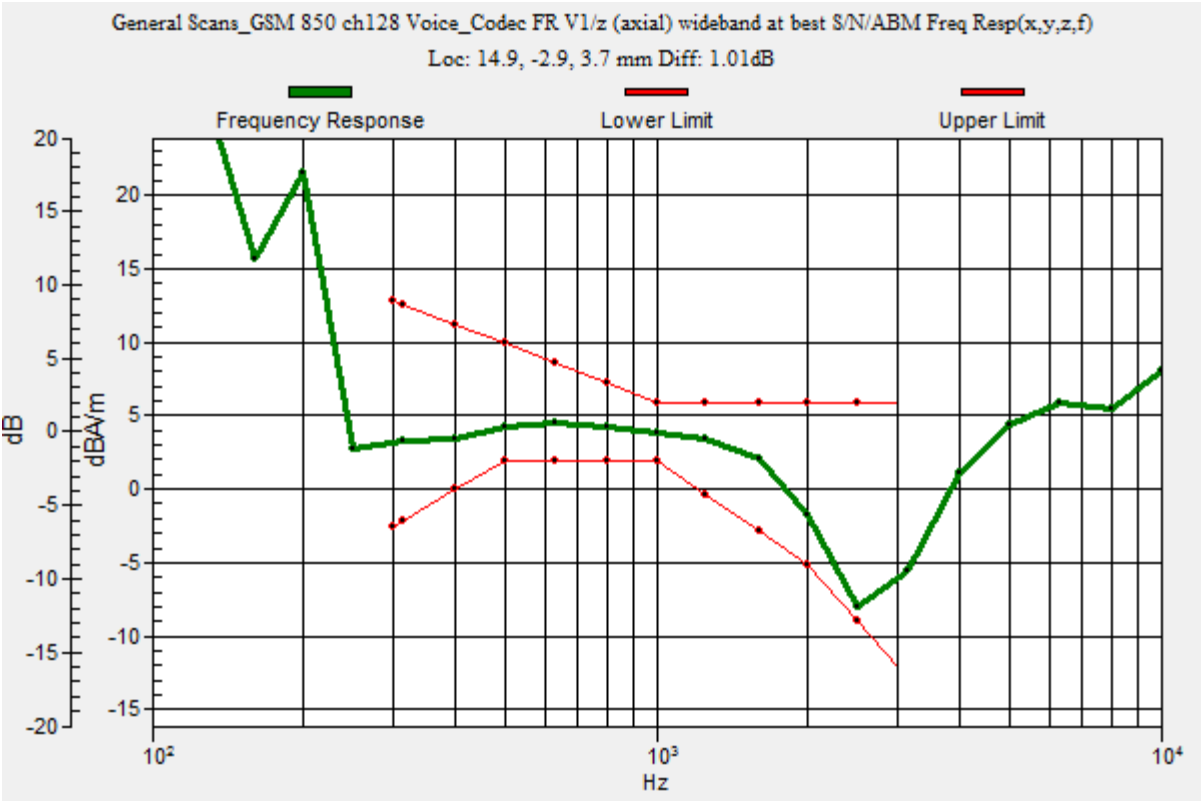
Communication System: UID 0, Generic GSM (0); Frequency: 824.2 MHz;Duty Cycle: 1:8.30042

T-Coil scan (scan for ANSI C63.19 2011 compliance)/ GSM 850 ch128 FR V1/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: 47.59
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 = 1.01 dB
BWC Factor = 10.80 dB
Location: 14.9, -2.9, 3.7 mm



GSM

Communication System: UID 0, Generic GSM (0); Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 ch128 FR V1/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 31.69 dB

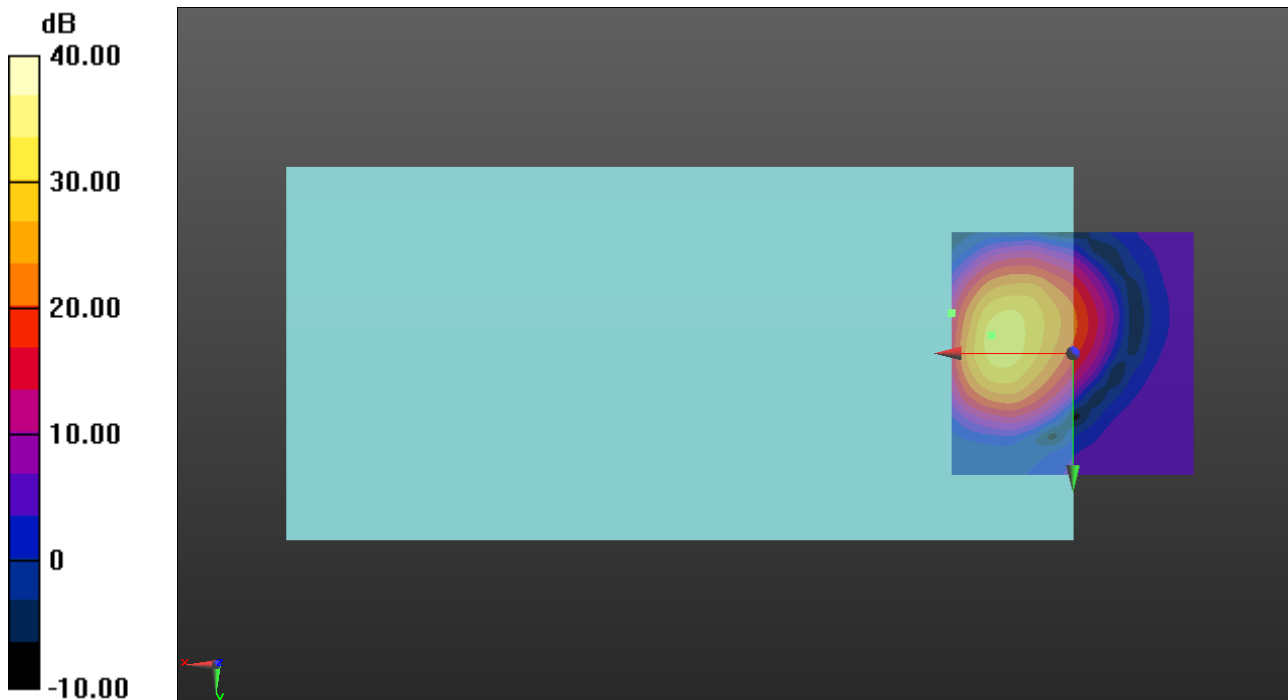
ABM1 comp = 3.42 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -3.8, 3.7 mm

ABM2 = -16.01 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM

Communication System: UID 0, Generic GSM (0); Frequency: 824.2 MHz; Duty Cycle: 1:8.30042

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 ch128 FR V1/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 25.80 dB

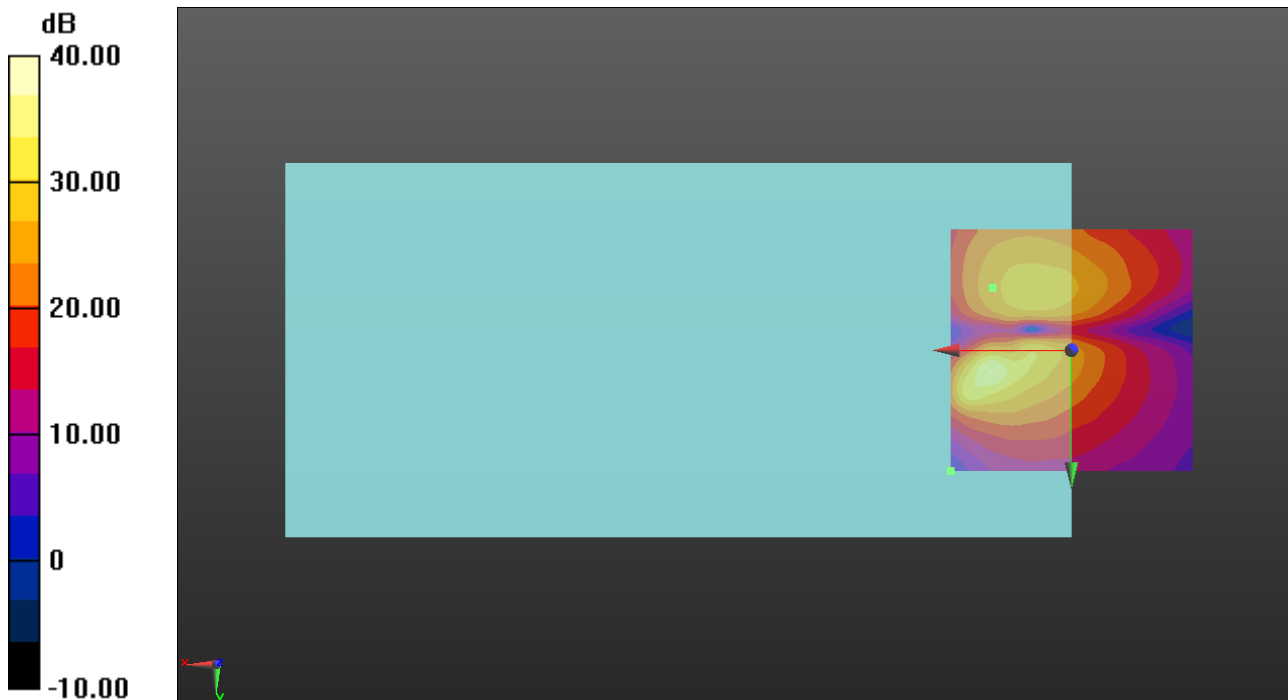
ABM1 comp = -4.33 dBA/m

BWC Factor = 0.16 dB

Location: 16.3, -12.9, 3.7 mm

ABM2 = -21.05 dBA/m

Location: 25, 25, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 ch661 FR V1/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

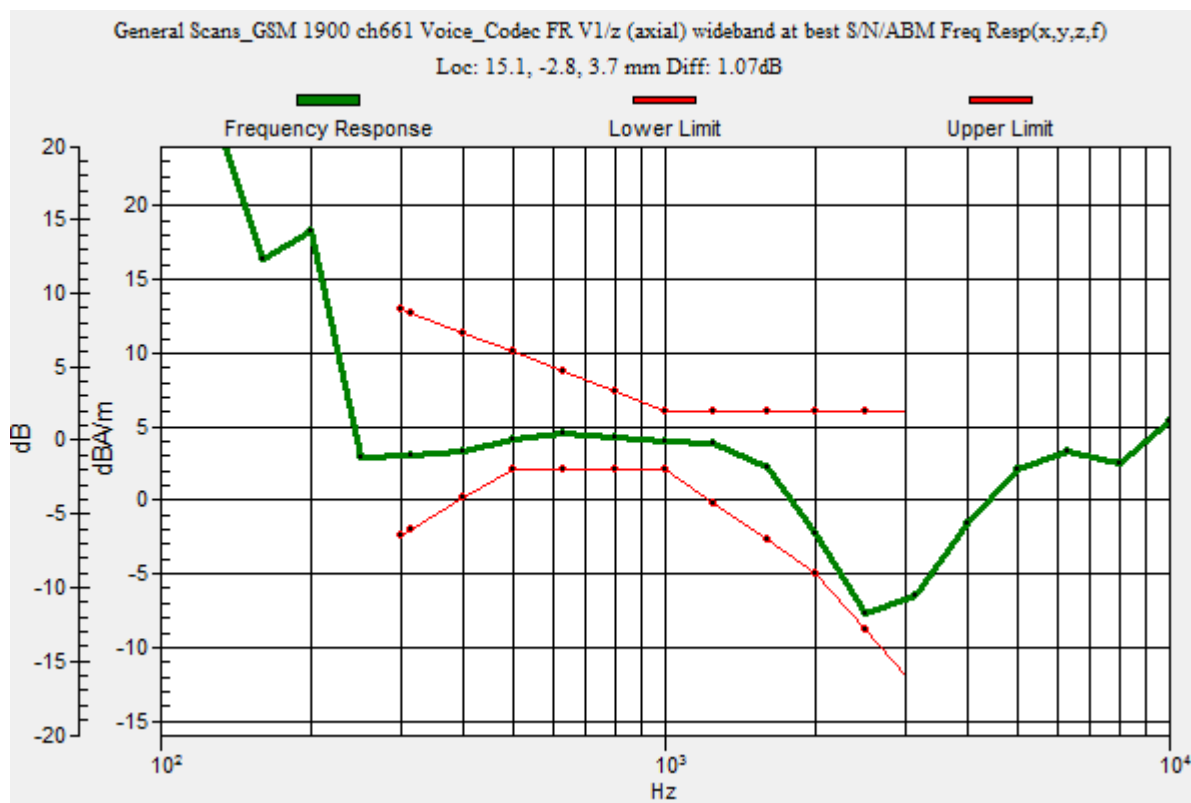
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.07 dB

BWC Factor = 10.80 dB

Location: 15.1, -2.8, 3.7 mm



GSM

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 ch661 FR V1/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 34.37 dB

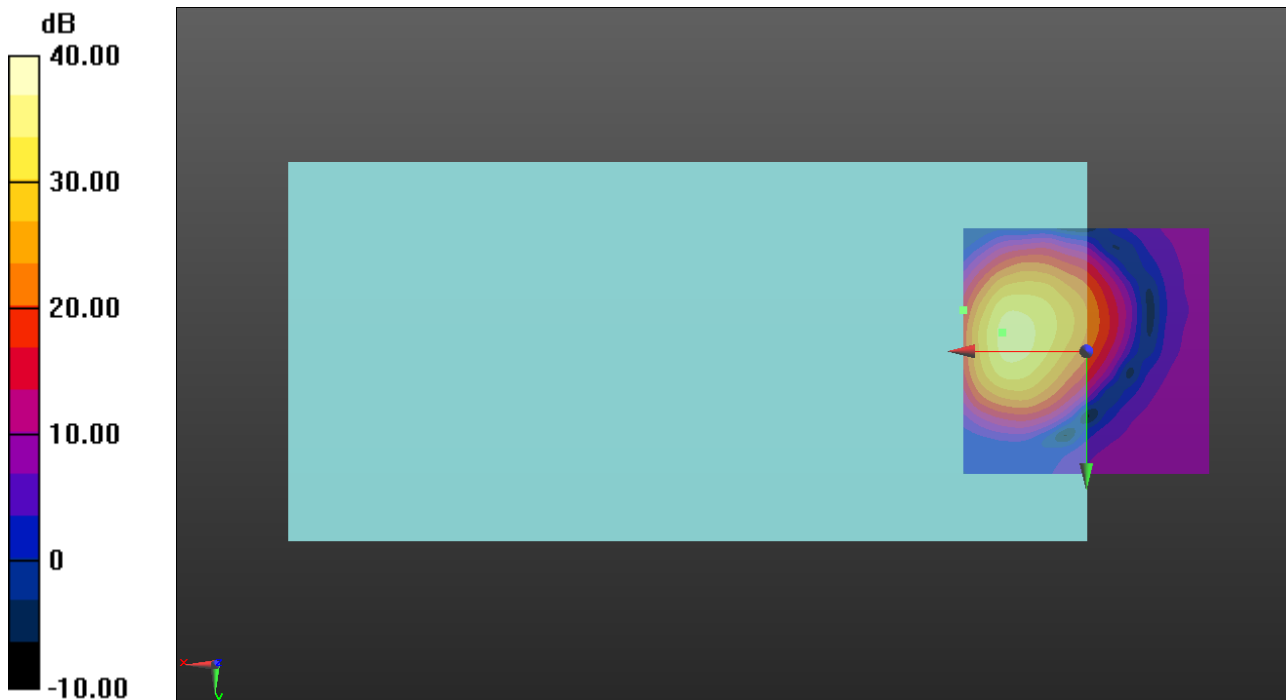
ABM1 comp = 3.35 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, -3.8, 3.7 mm

ABM2 = -19.36 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 ch661 FR V1/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 36.12 dB

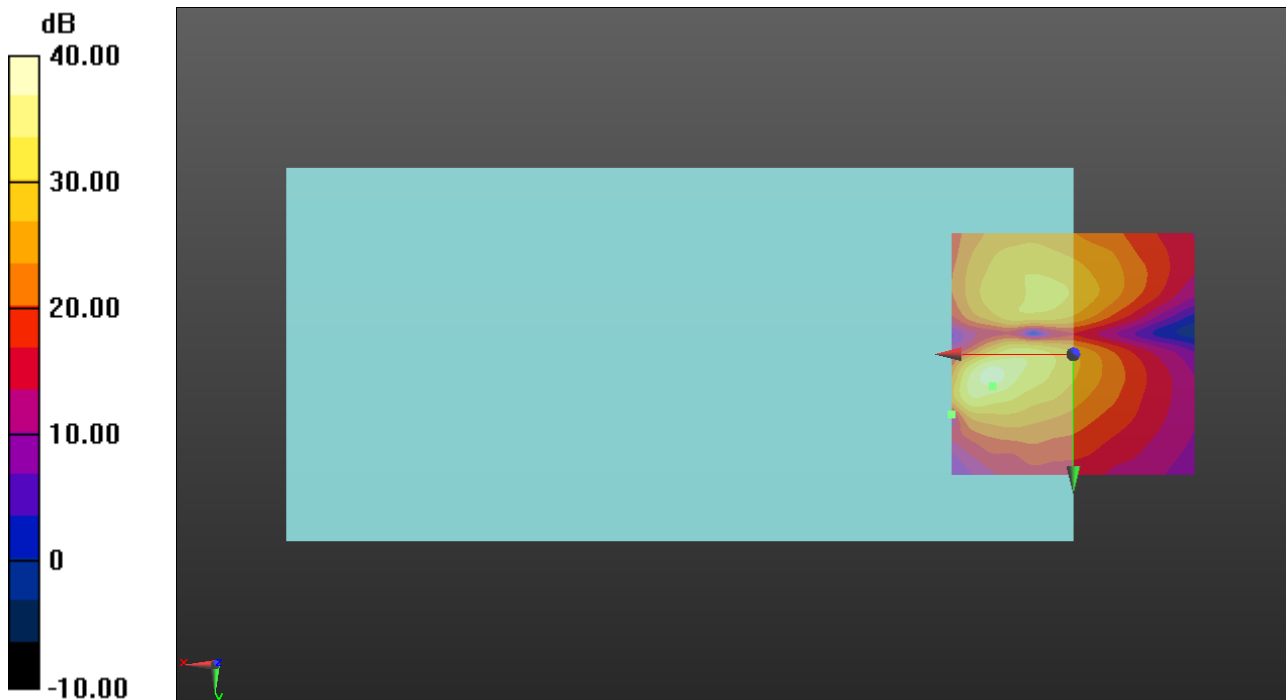
ABM1 comp = -4.29 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, 6.7, 3.7 mm

ABM2 = -22.37 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA

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)/WCDMA IV ch1513 NB AMR 4.75/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

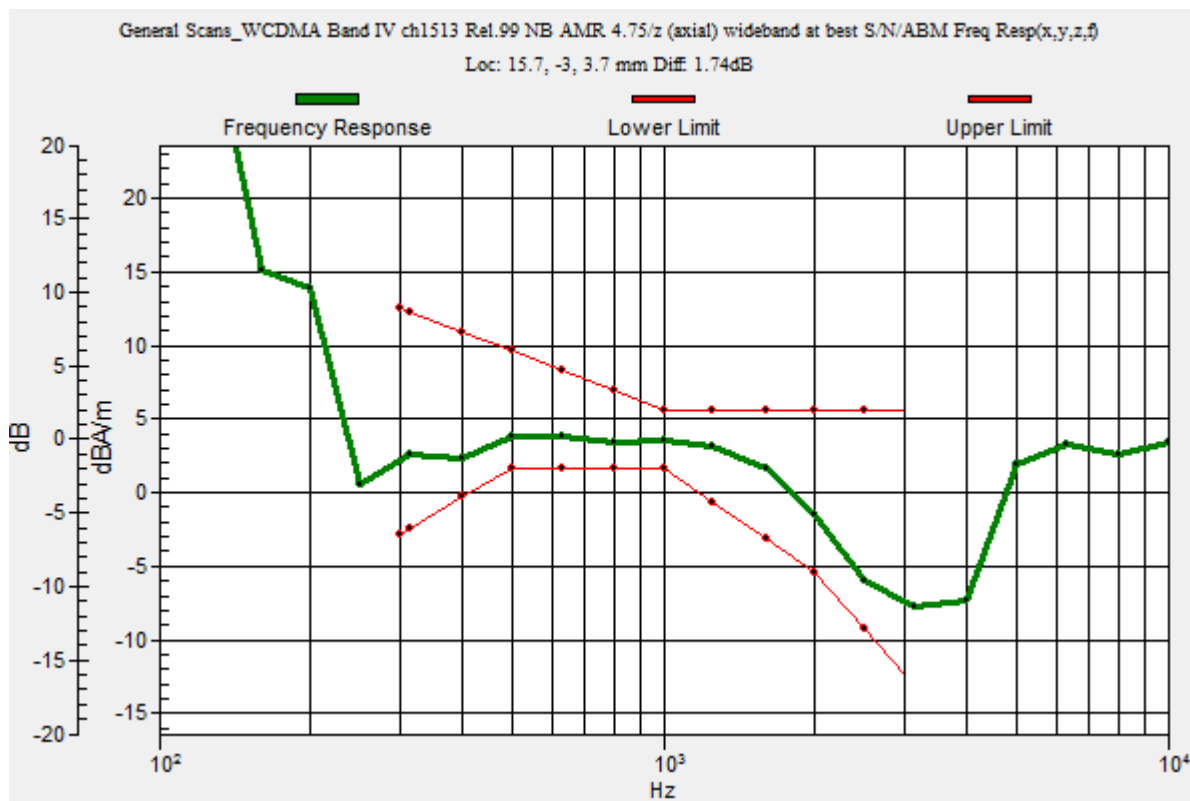
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.74 dB

BWC Factor = 10.80 dB

Location: 15.7, -3, 3.7 mm



WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA IV ch1513 NB AMR 4.75/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.50 dB

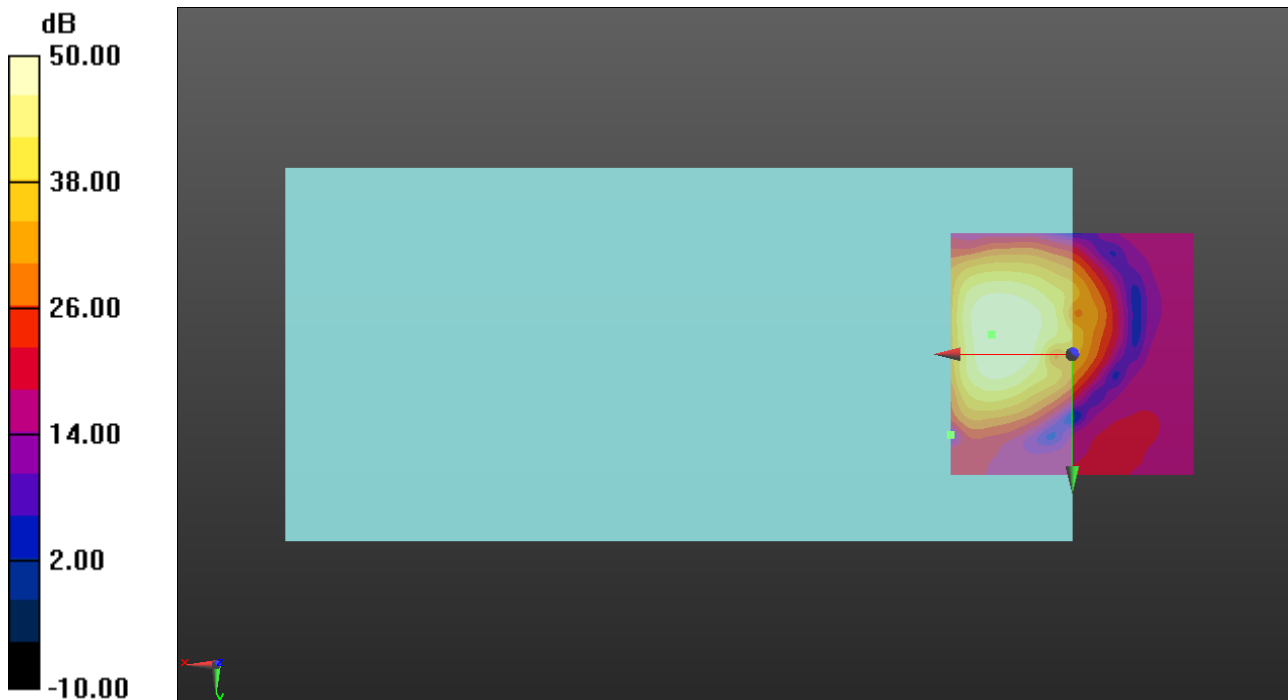
ABM1 comp = 2.98 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -34.76 dBA/m

Location: 25, 16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA IV ch1513 NB AMR 4.75/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 39.45 dB

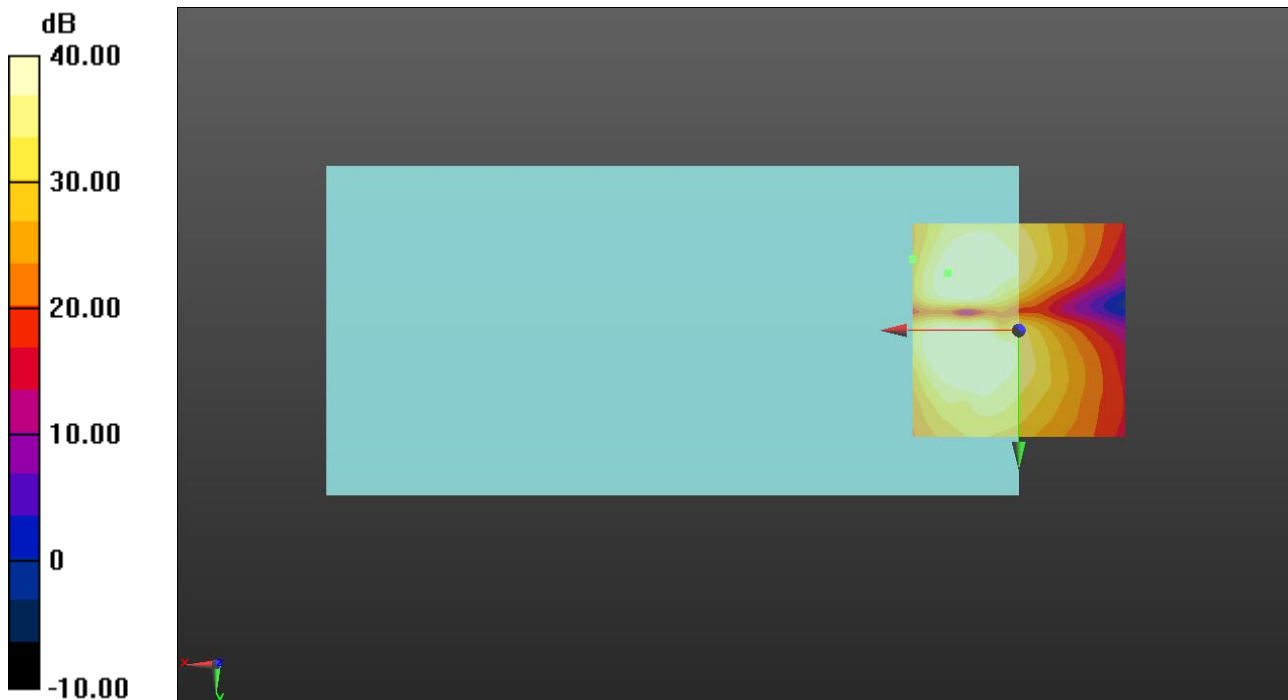
ABM1 comp = -4.40 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -13.3, 3.7 mm

ABM2 = -36.05 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA II ch9400 NB AMR 4.75/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

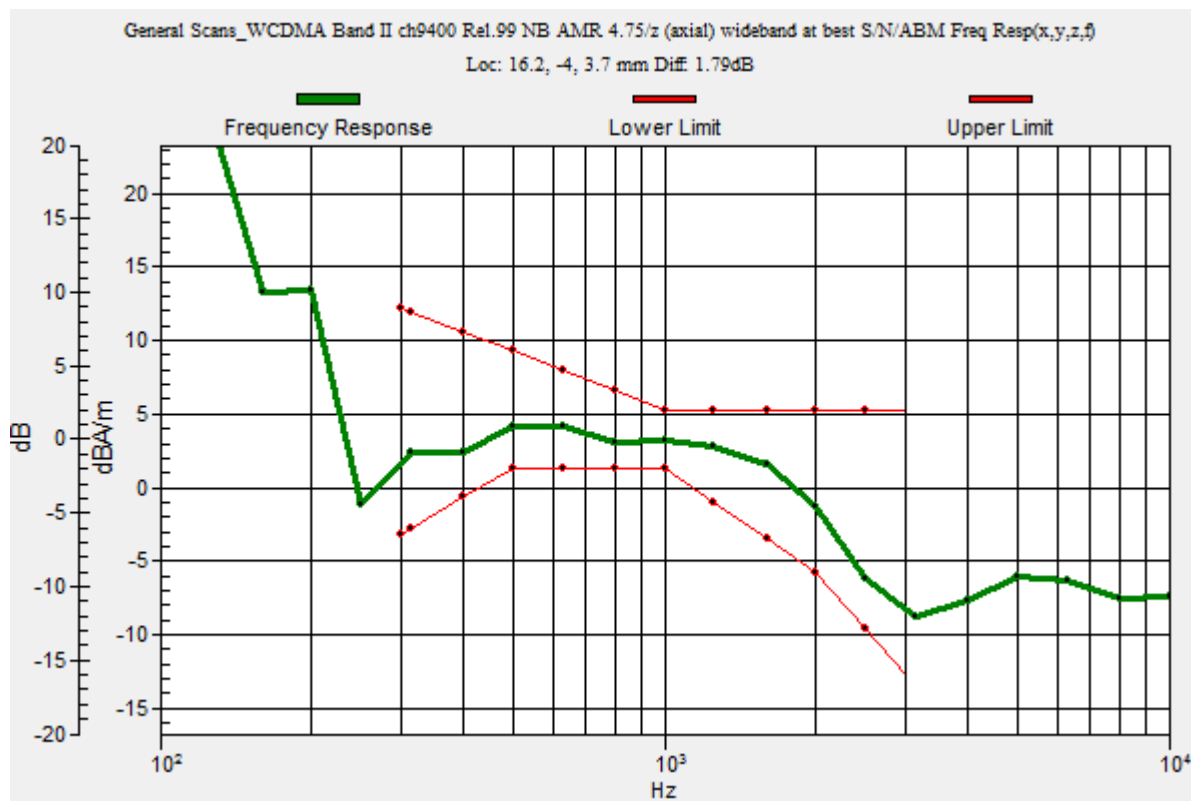
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.79 dB

BWC Factor = 10.80 dB

Location: 16.2, -4, 3.7 mm



WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA II ch9400 NB AMR 4.75/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.17 dB

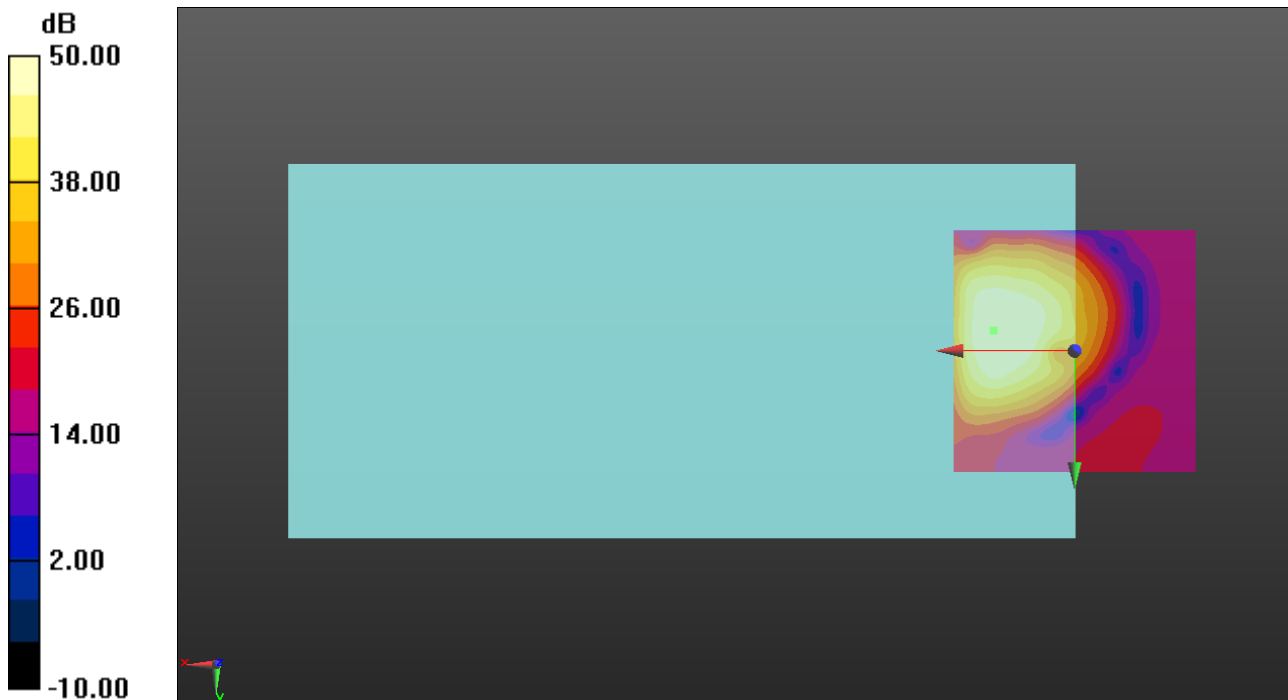
ABM1 comp = 3.41 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -36.11 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA II ch9400 NB AMR 4.75/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.29 dB

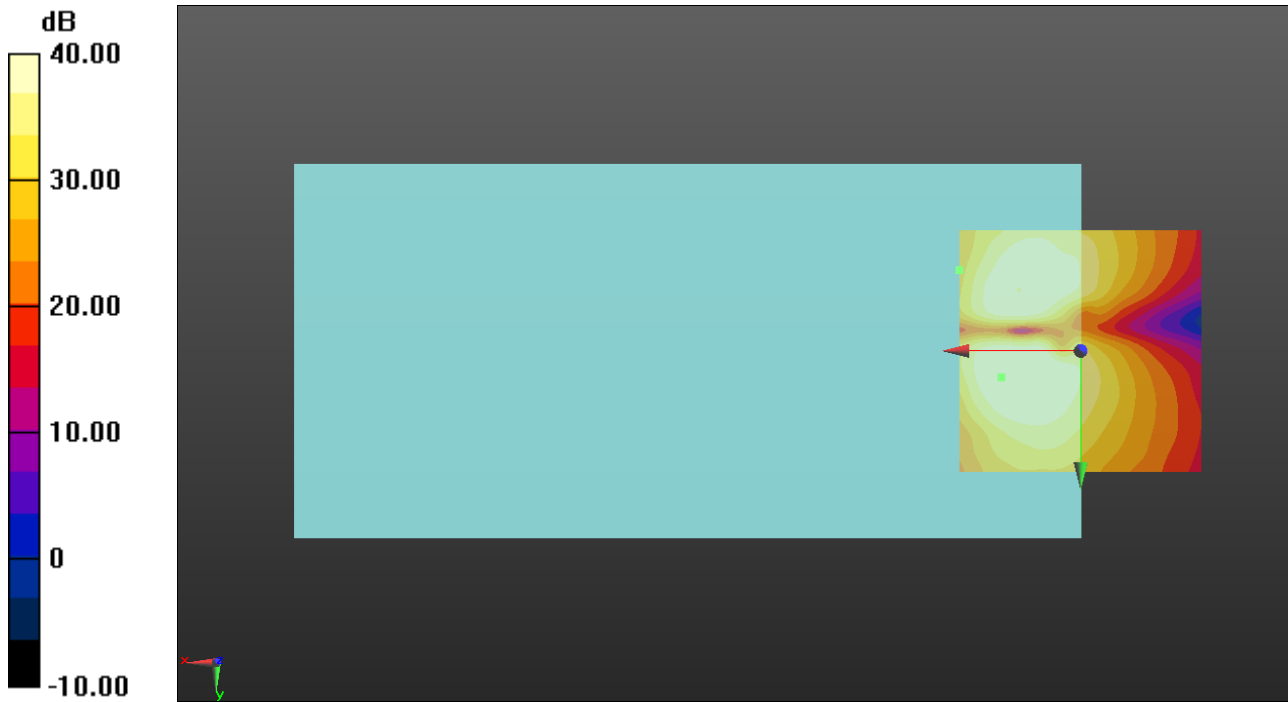
ABM1 comp = -4.33 dBA/m

BWC Factor = 0.16 dB

Location: 16.3, 5.4, 3.7 mm

ABM2 = -36.79 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA

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)/WCDMA V ch4183 NB AMR 4.75/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

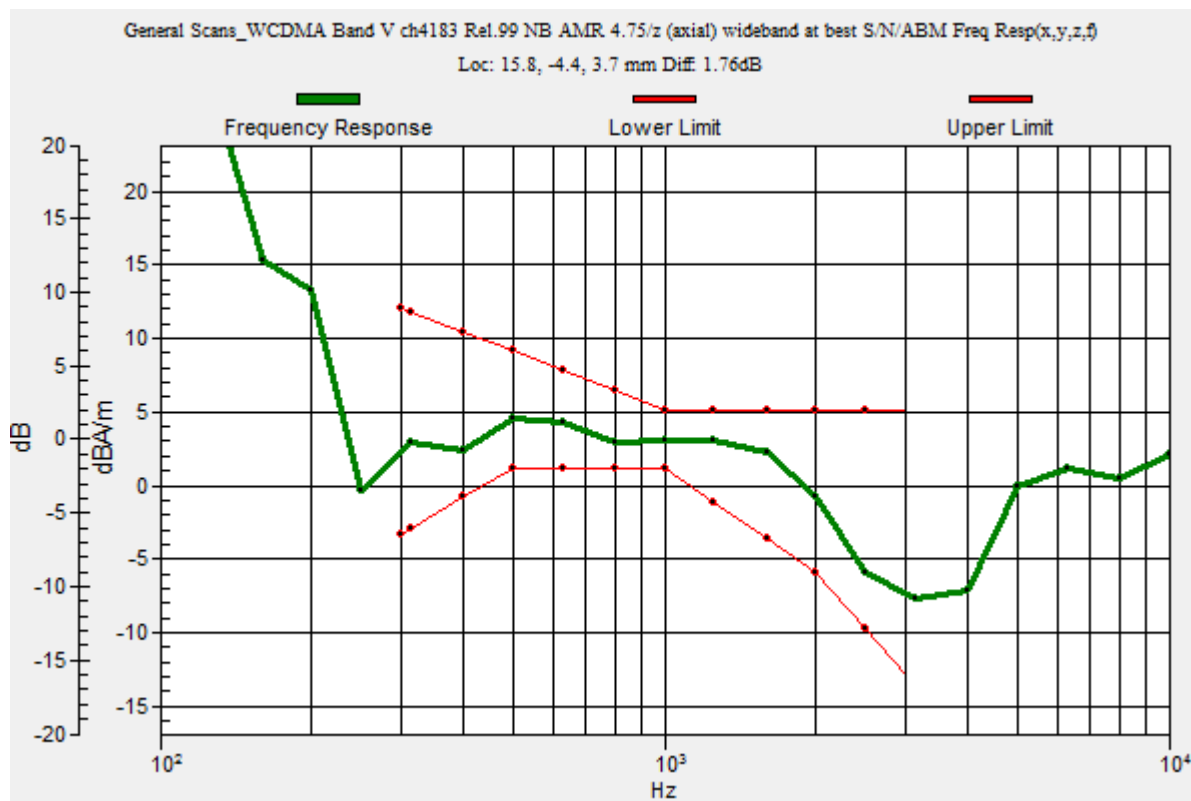
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.76 dB

BWC Factor = 10.80 dB

Location: 15.8, -4.4, 3.7 mm



WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA V ch4183 NB AMR 4.75/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.19 dB

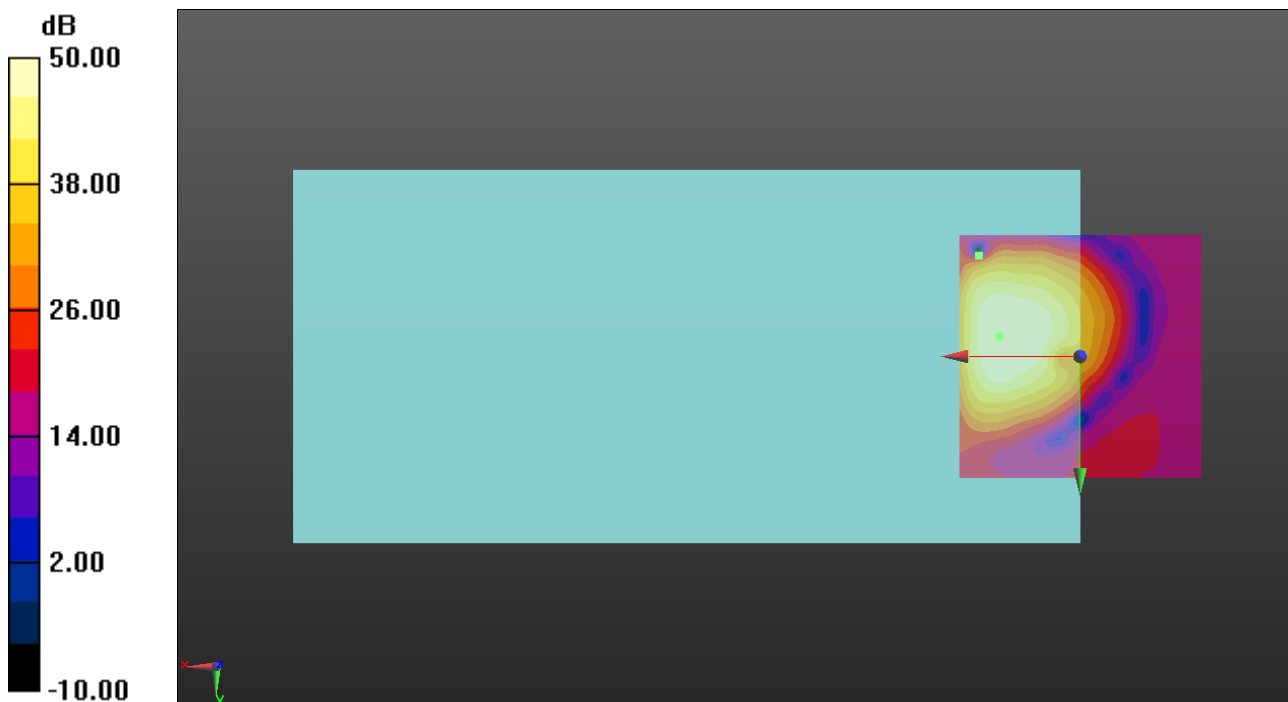
ABM1 comp = 3.36 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -33.65 dBA/m

Location: 20.8, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA V ch4183 NB AMR 4.75/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.30 dB

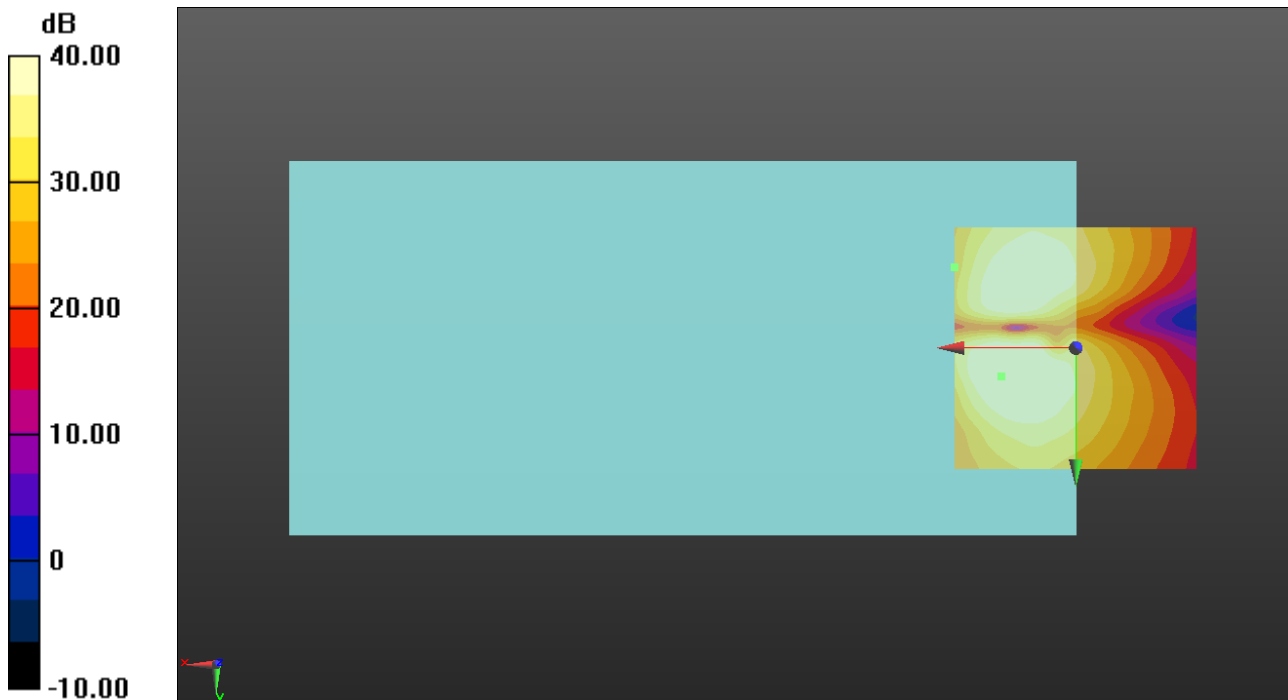
ABM1 comp = -4.45 dBA/m

BWC Factor = 0.16 dB

Location: 15.4, 5.8, 3.7 mm

ABM2 = -36.58 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2 ch18900 QPSK RB 1/0 EVS WB 5.9/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

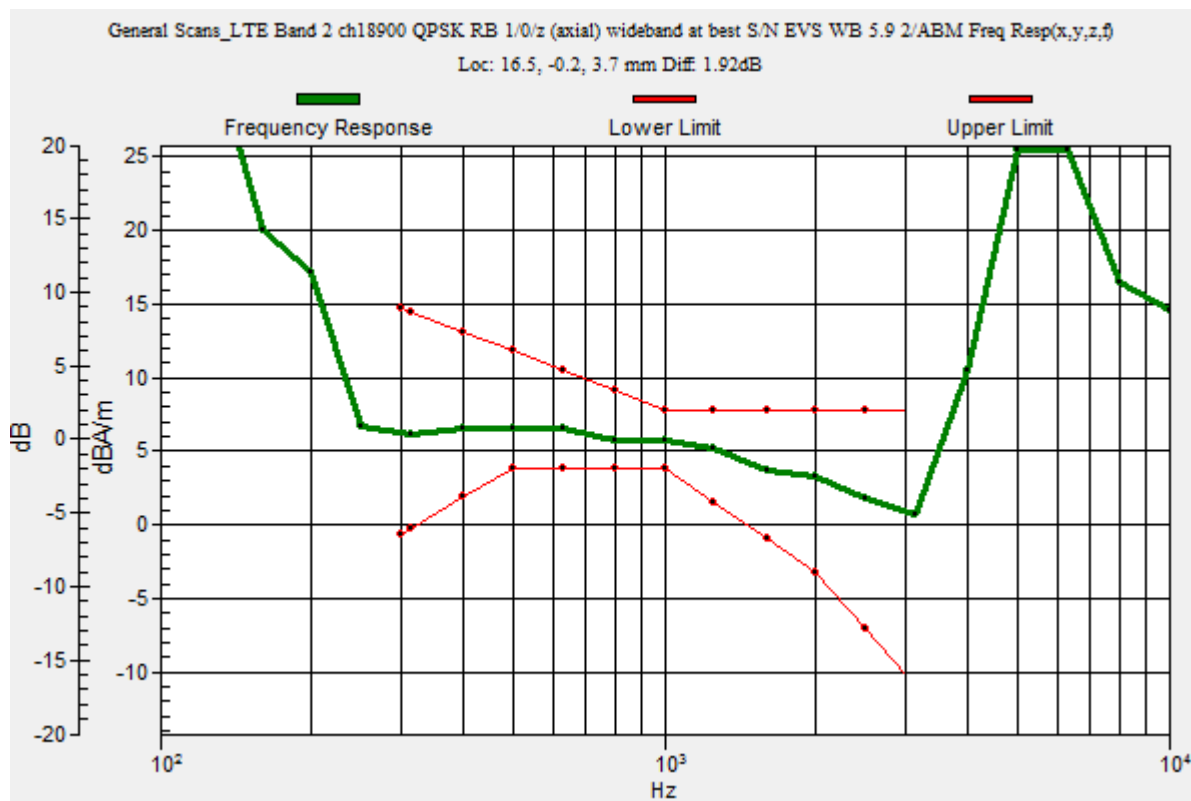
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.92 dB

BWC Factor = 10.80 dB

Location: 16.5, -0.2, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2 ch18900 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 47.49 dB

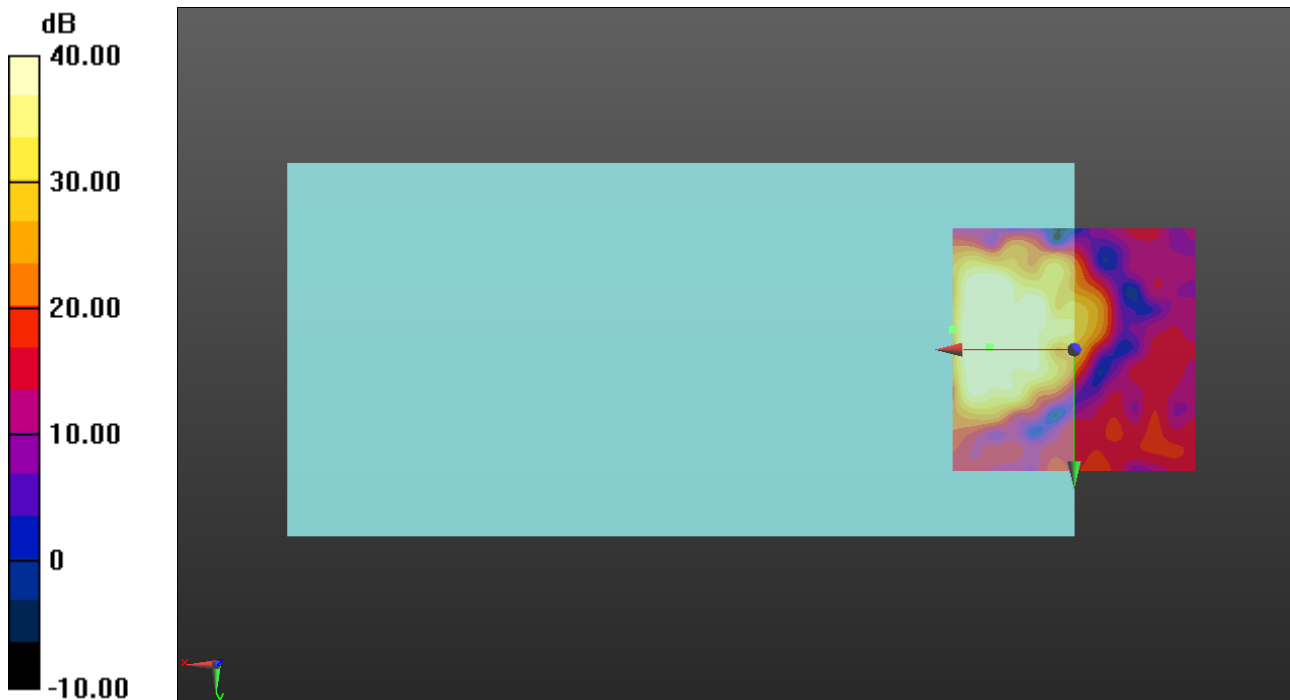
ABM1 comp = 0.05 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, -0.4, 3.7 mm

ABM2 = -32.48 dBA/m

Location: 25, -4.2, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2 ch18900 QPSK RB 1/0 EVS WB 5.9/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: 24.27

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

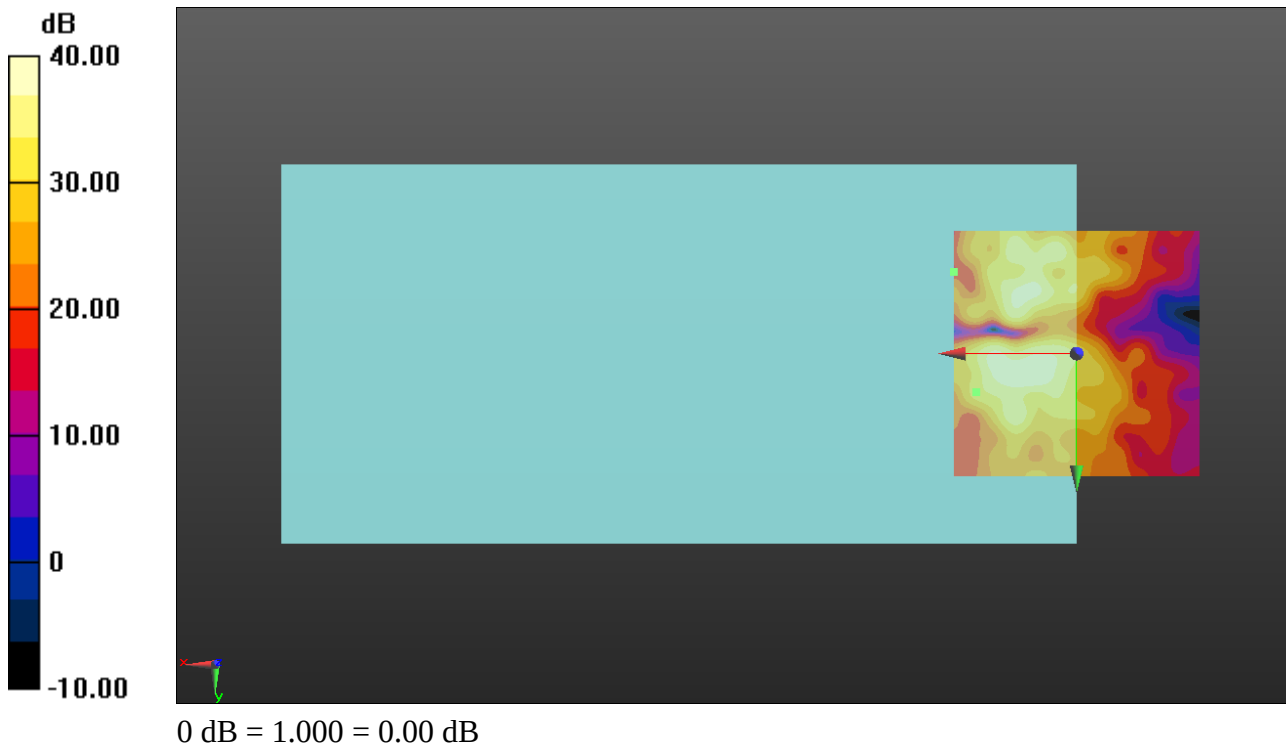
ABM1 comp = -6.92 dBA/m

BWC Factor = 0.16 dB

Location: 20.4, 7.9, 3.7 mm

ABM2 = -33.55 dBA/m

Location: 25, -16.7, 3.7 mm



LTE FDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5 ch20525 QPSK RB 1/0 EVS WB 5.9/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

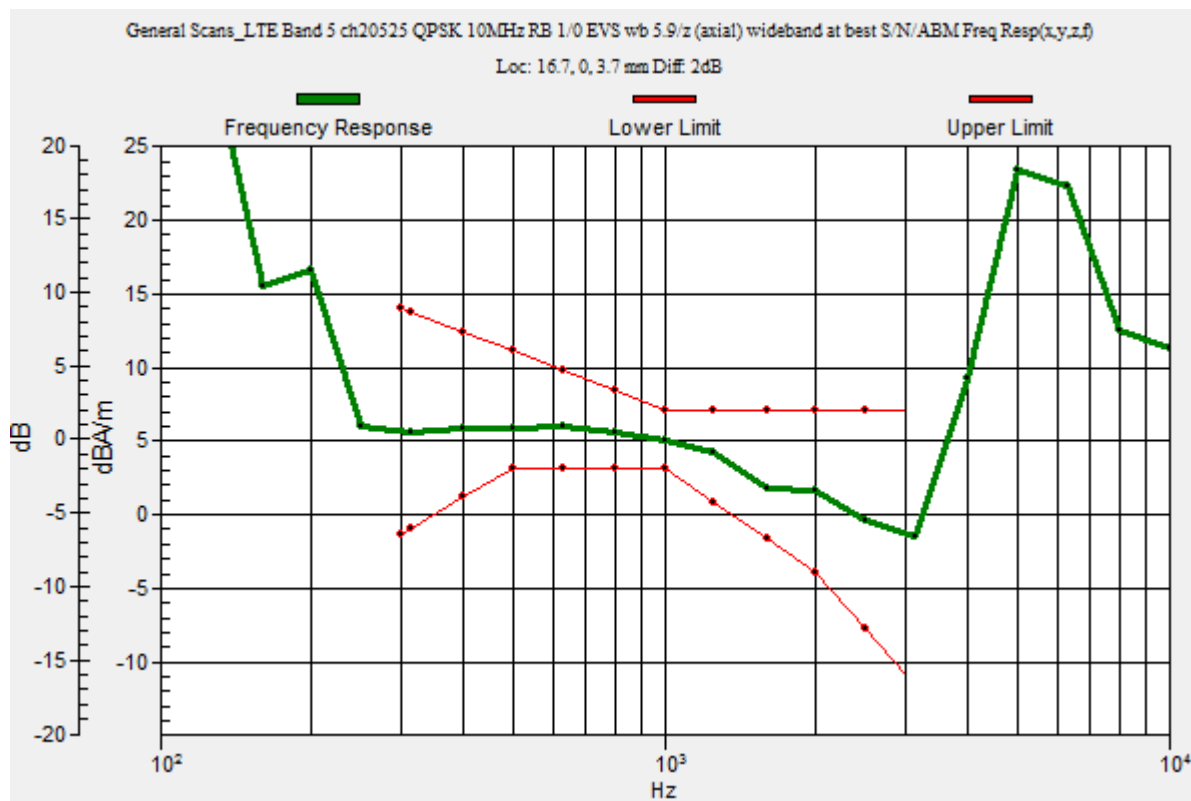
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.7, 0, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5 ch20525 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 49.85 dB

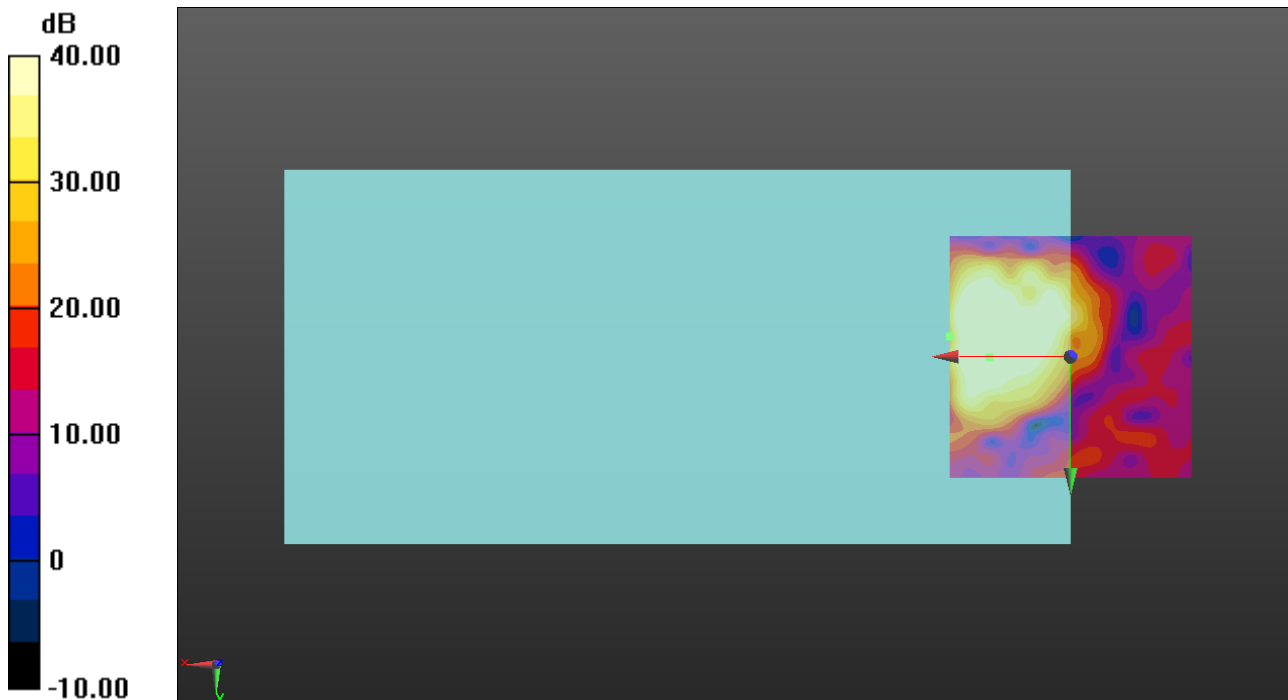
ABM1 comp = 2.05 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, 0, 3.7 mm

ABM2 = -32.58 dBA/m

Location: 25, -4.2, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5 ch20525 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.94 dB

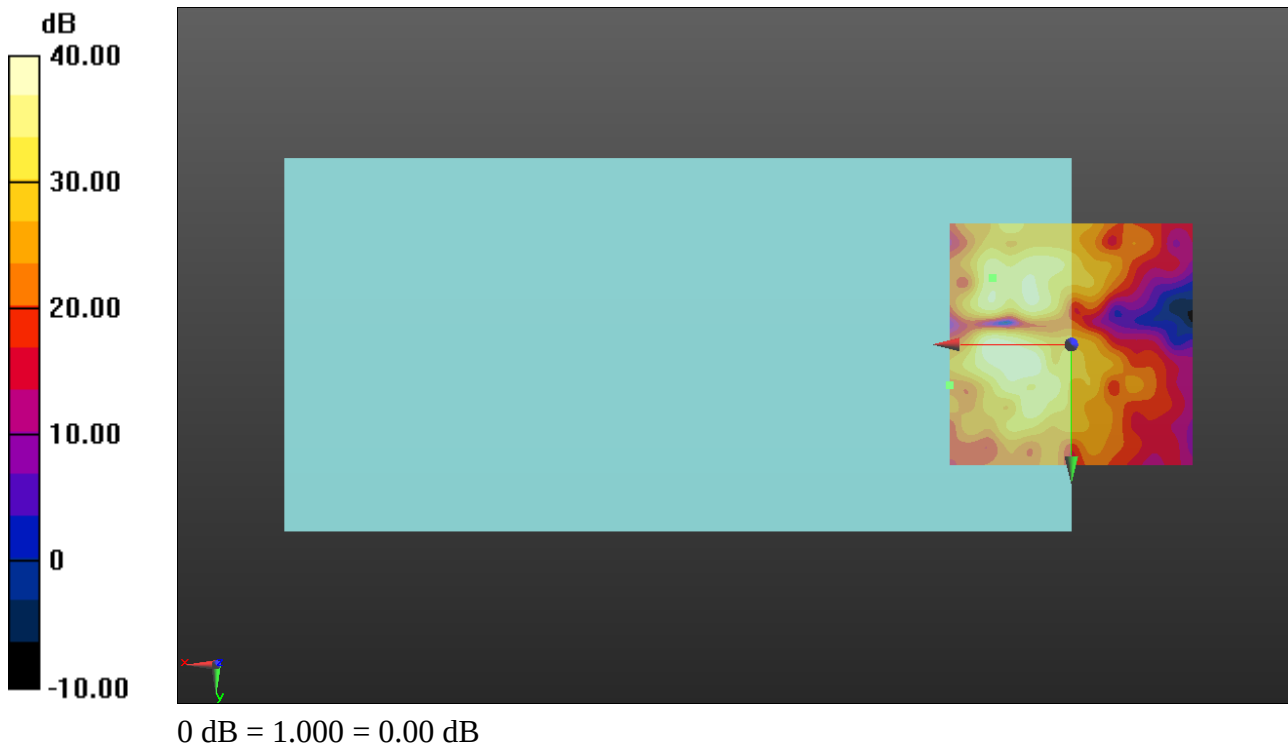
ABM1 comp = -5.93 dBA/m

BWC Factor = 0.16 dB

Location: 16.3, -13.8, 3.7 mm

ABM2 = -32.56 dBA/m

Location: 25, 8.3, 3.7 mm



LTE FDD

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 ch21100 QPSK RB 1/0 EVS WB 5.9/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

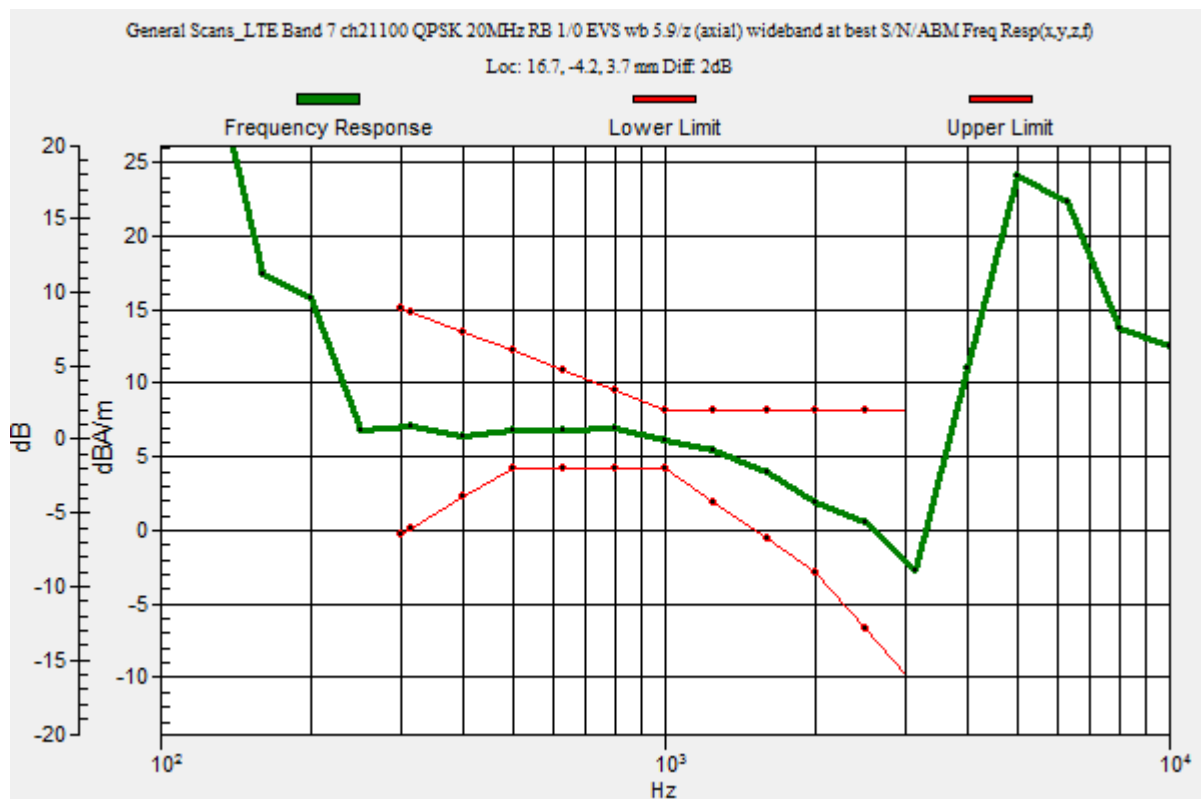
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.7, -4.2, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch21100 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.38 dB

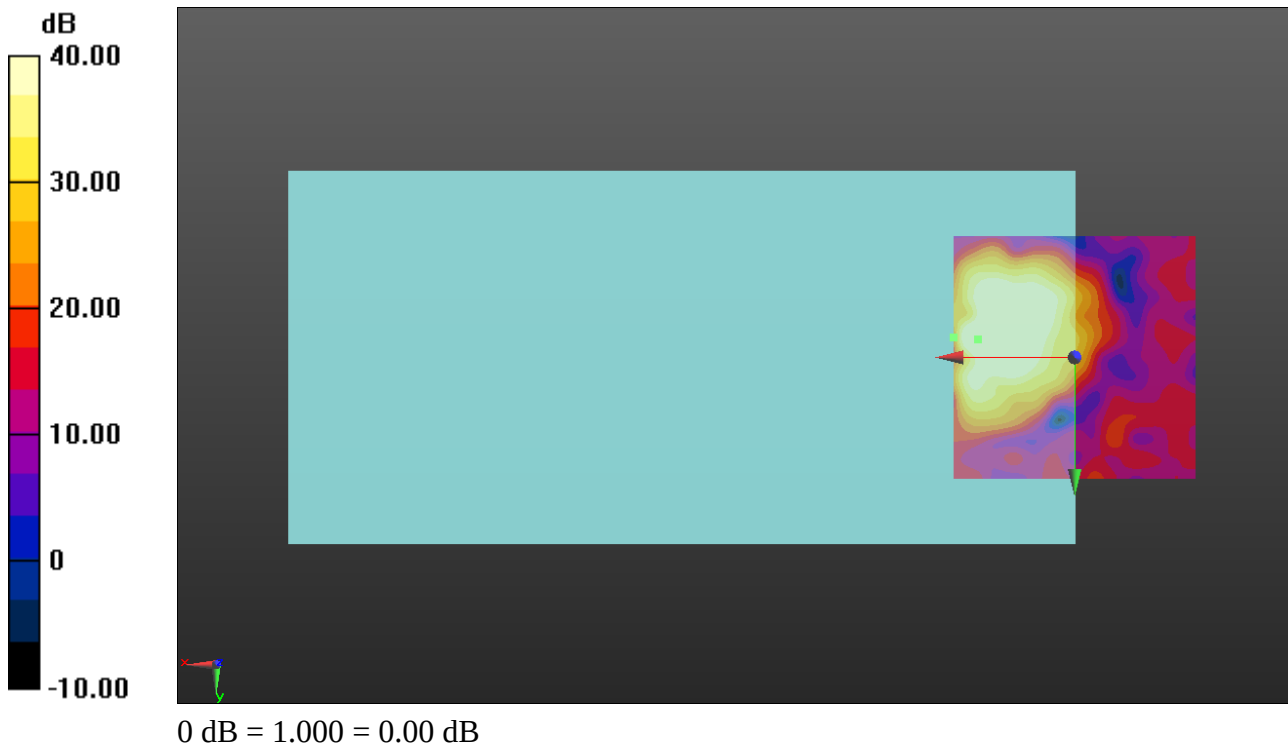
ABM1 comp = 1.92 dBA/m

BWC Factor = 0.16 dB

Location: 20, -3.8, 3.7 mm

ABM2 = -32.45 dBA/m

Location: 25, -4.2, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch21100 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.54 dB

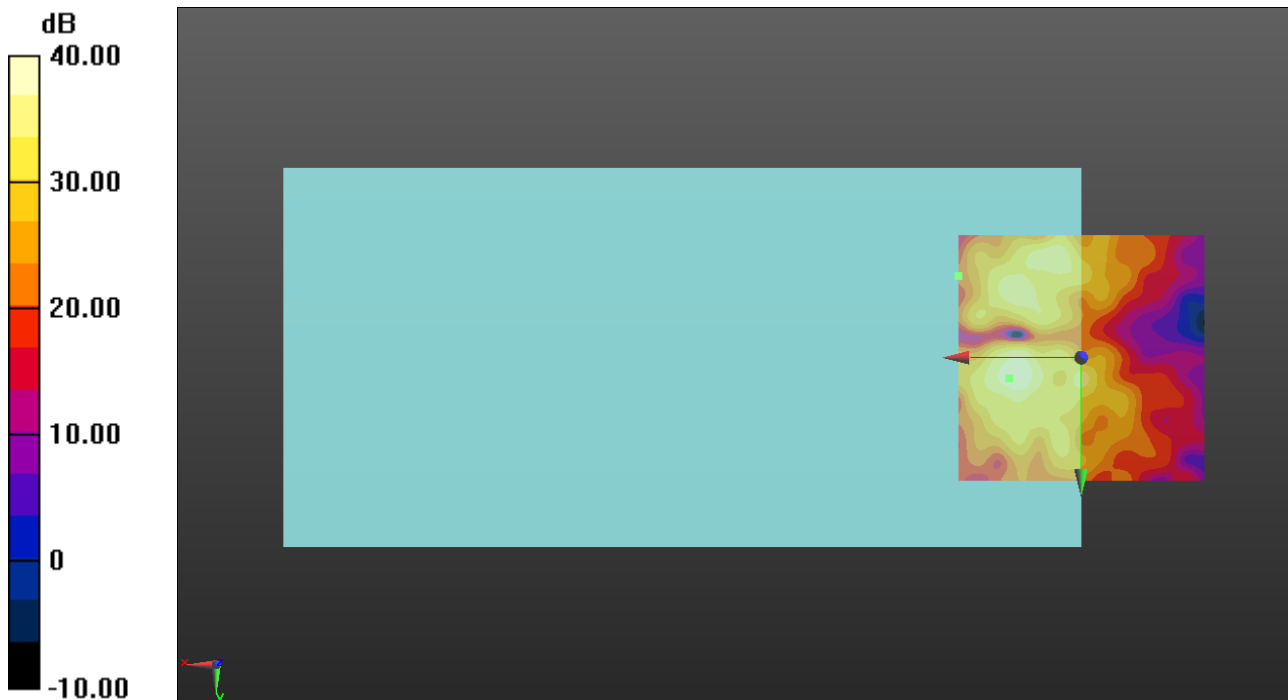
ABM1 comp = -6.31 dBA/m

BWC Factor = 0.16 dB

Location: 14.6, 4.2, 3.7 mm

ABM2 = -32.48 dBA/m

Location: 25, -16.7, 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 ch23095 QPSK RB 1/0 EVS WB 5.9/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

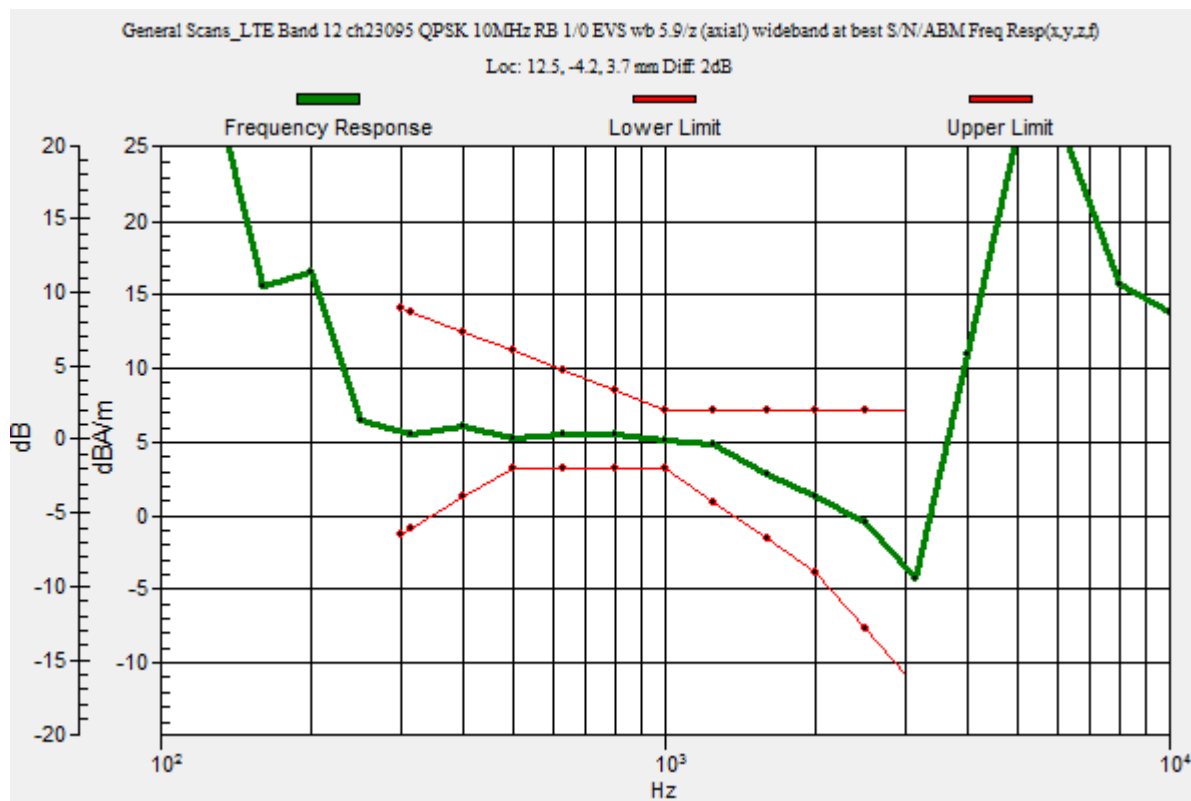
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 12.5, -4.2, 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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch23095 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.73 dB

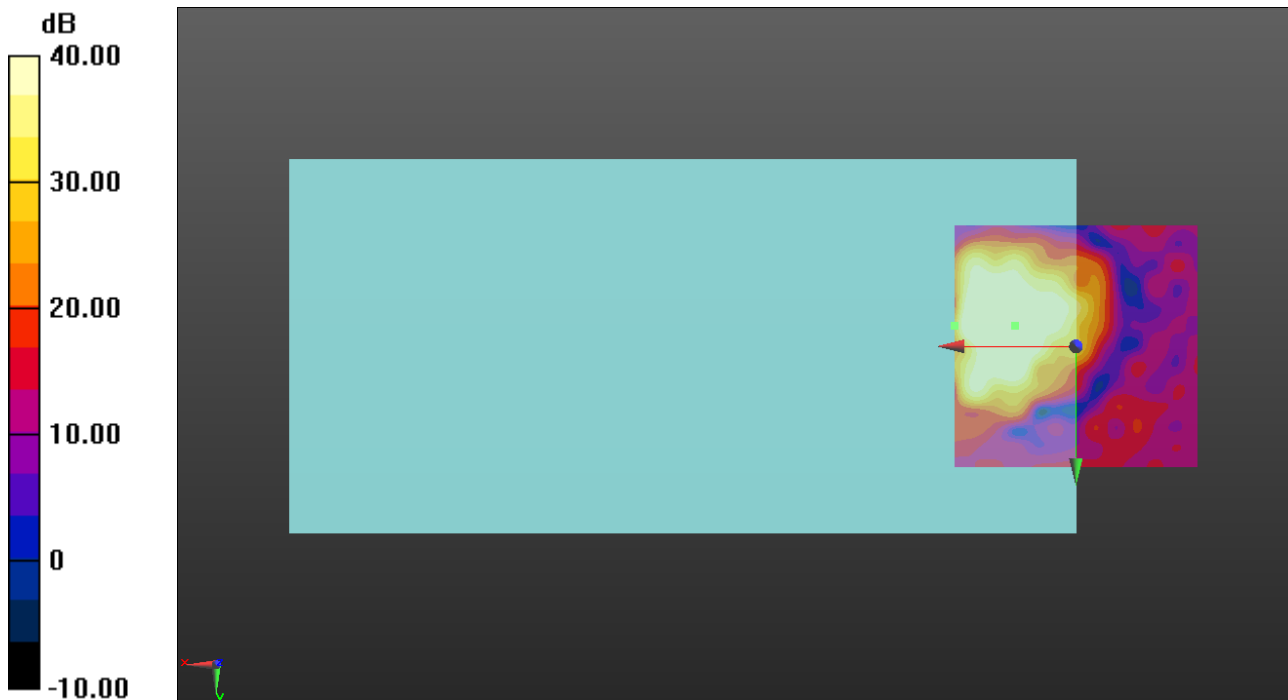
ABM1 comp = 2.15 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -4.2, 3.7 mm

ABM2 = -33.50 dBA/m

Location: 25, -4.2, 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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch23095 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 36.01 dB

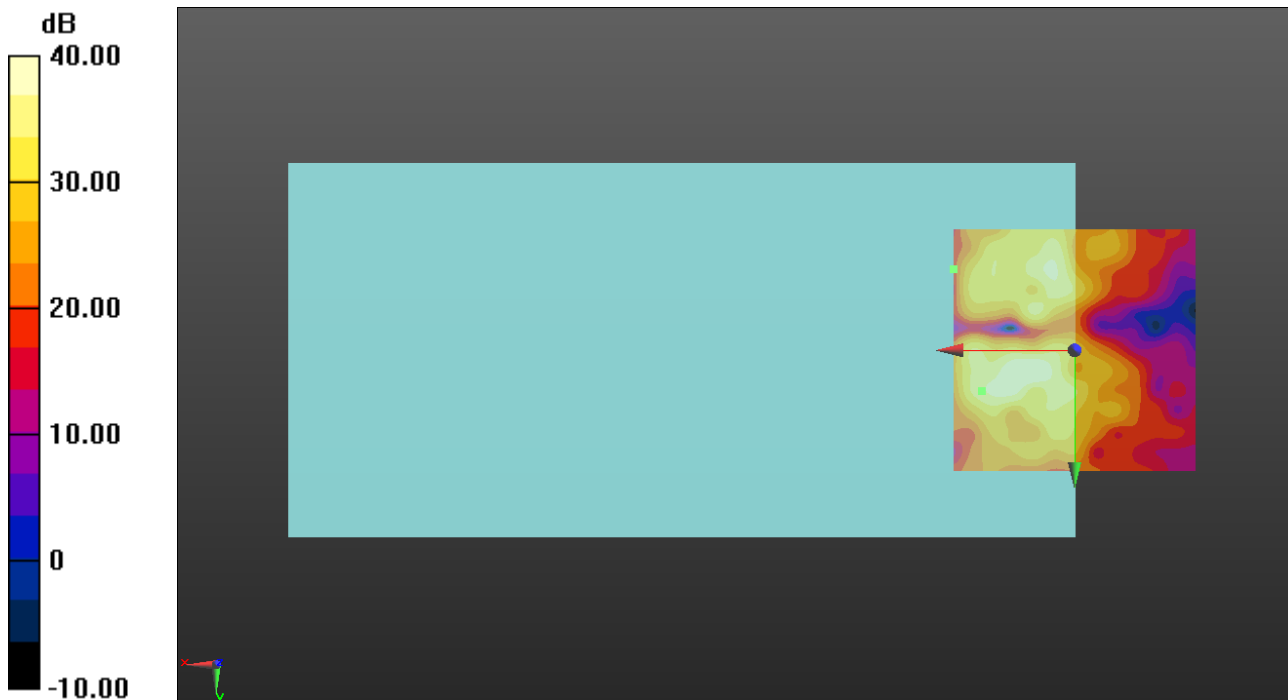
ABM1 comp = -4.47 dBA/m

BWC Factor = 0.16 dB

Location: 19.2, 8.3, 3.7 mm

ABM2 = -33.40 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE FDD

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 ch132322 QPSK RB 1/0 EVS WB 5.9/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

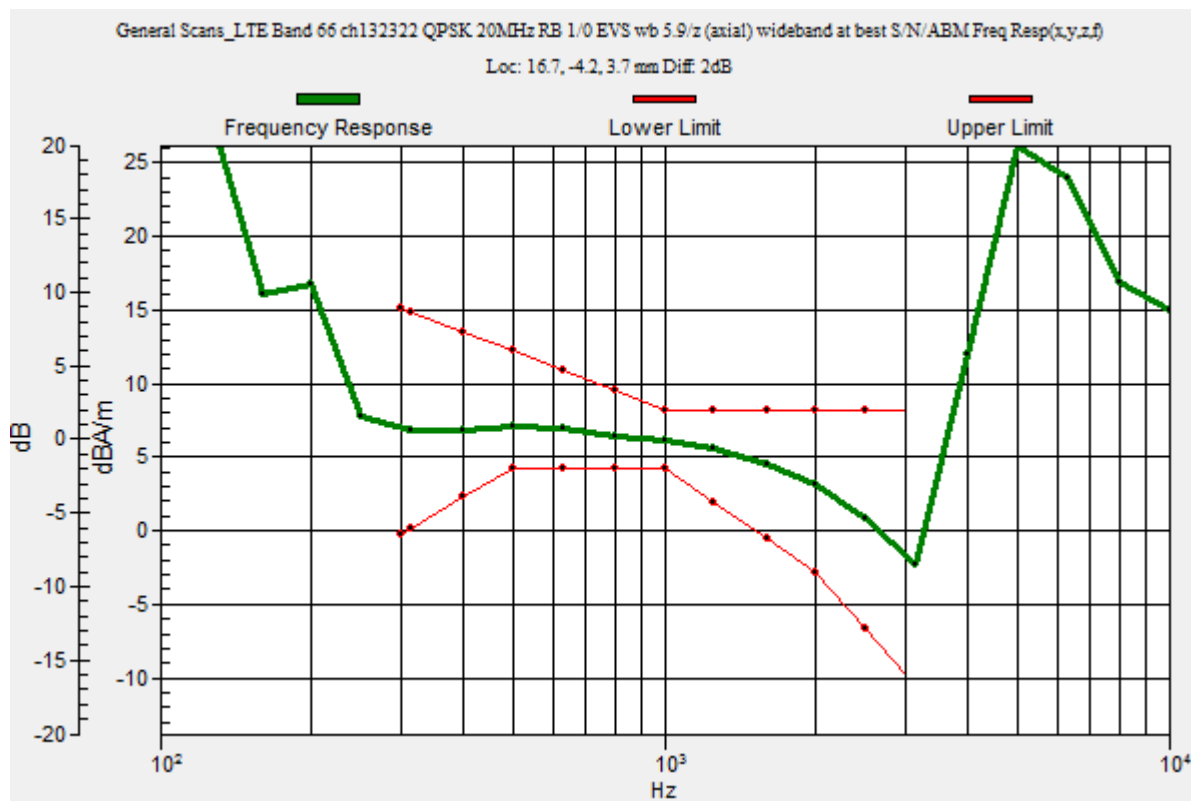
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.7, -4.2, 3.7 mm



LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 ch132322 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 49.42 dB

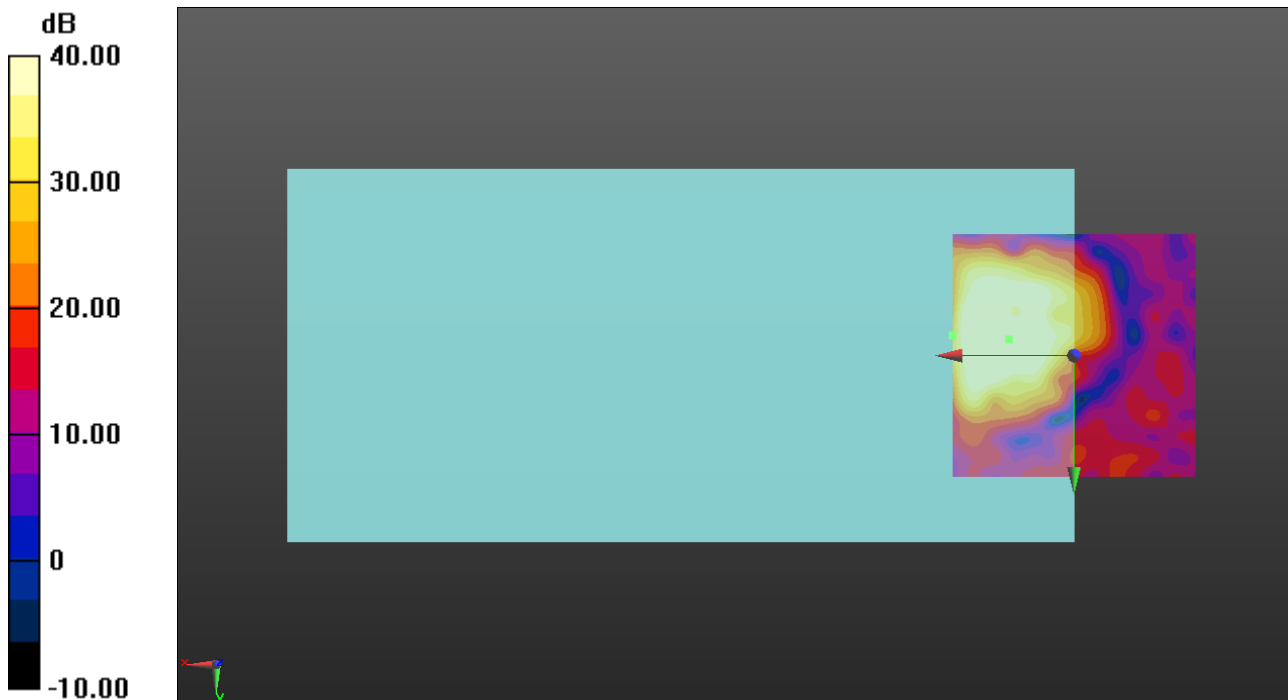
ABM1 comp = 3.14 dBA/m

BWC Factor = 0.16 dB

Location: 13.3, -3.3, 3.7 mm

ABM2 = -32.84 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: 1745 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 ch132322 QPSK RB 1/0 EVS WB 5.9/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 32.84 dB

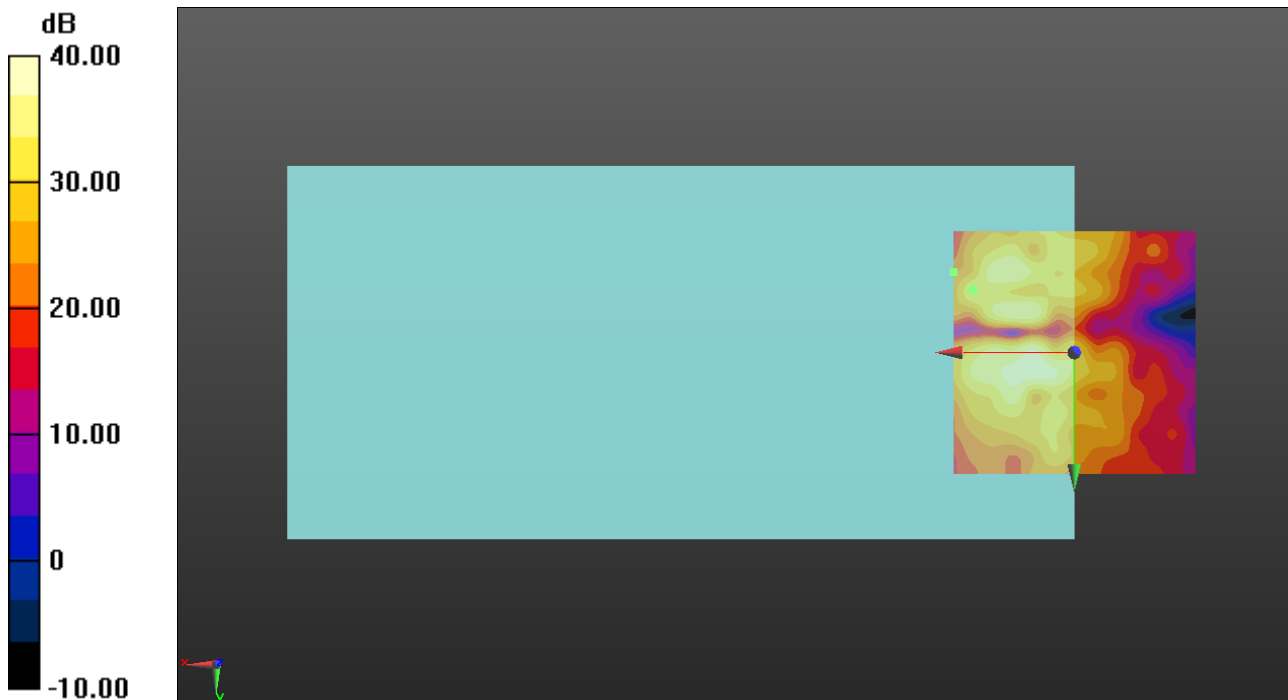
ABM1 comp = -4.90 dBA/m

BWC Factor = 0.16 dB

Location: 20.8, -12.9, 3.7 mm

ABM2 = -33.07 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE TDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch41055 QPSK RB 1/0 AMR WB 6.6/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: 47.59

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

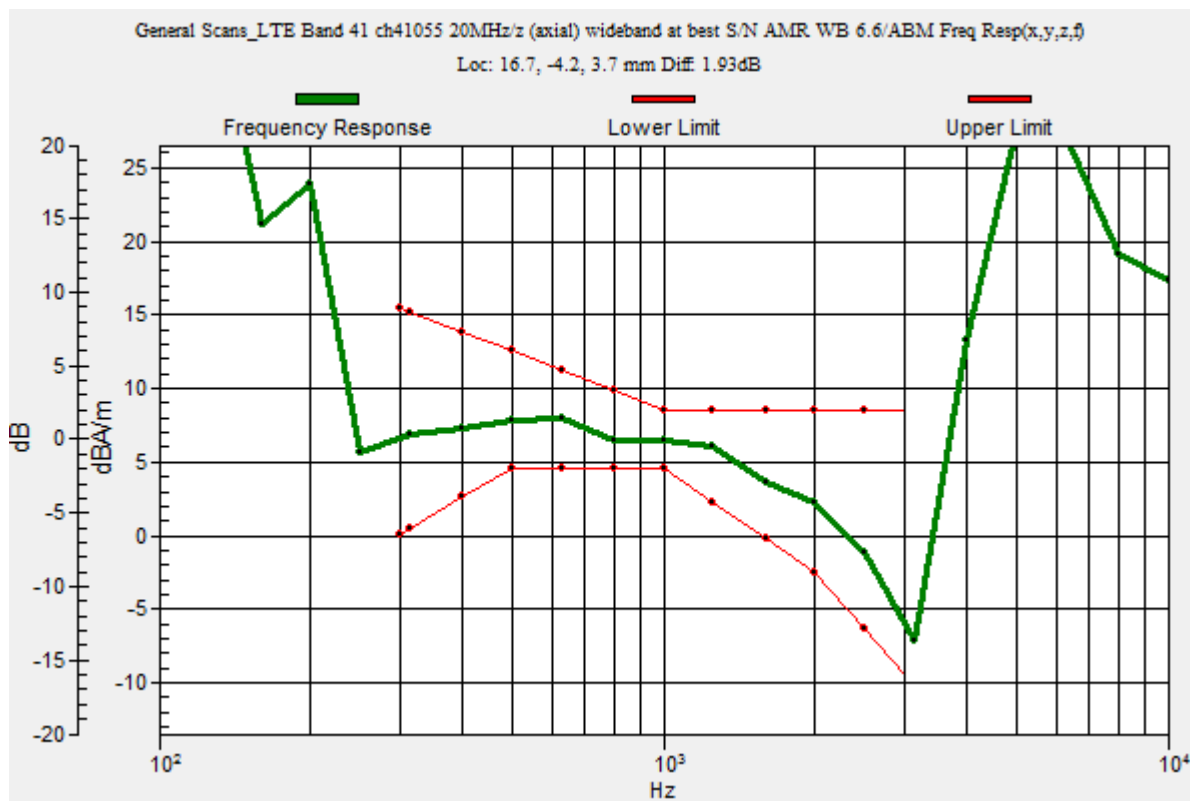
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.93 dB

BWC Factor = 10.80 dB

Location: 16.7, -4.2, 3.7 mm



LTE TDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch41055 QPSK RB 1/0 AMR WB 6.6/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.86 dB

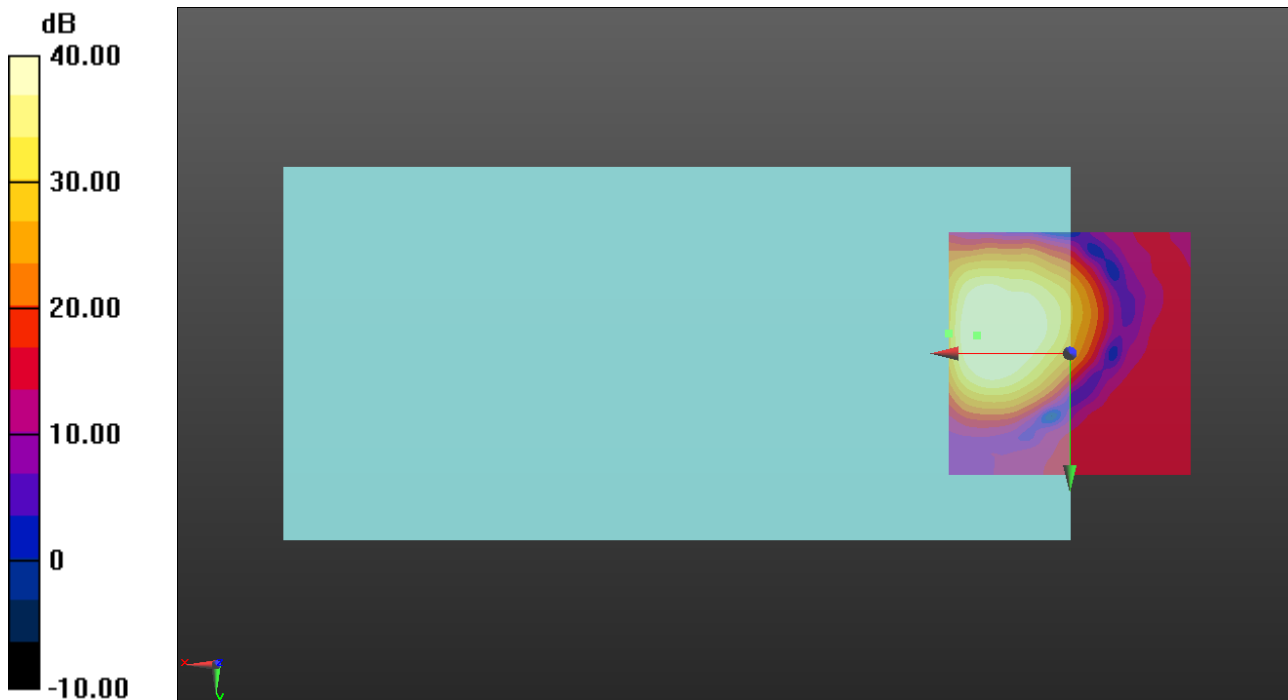
ABM1 comp = 4.87 dBA/m

BWC Factor = 0.16 dB

Location: 19.2, -3.8, 3.7 mm

ABM2 = -28.65 dBA/m

Location: 25, -4.2, 3.7 mm



LTE TDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch41055 QPSK RB 1/0 AMR WB 6.6/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: 24.27

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.26 dB

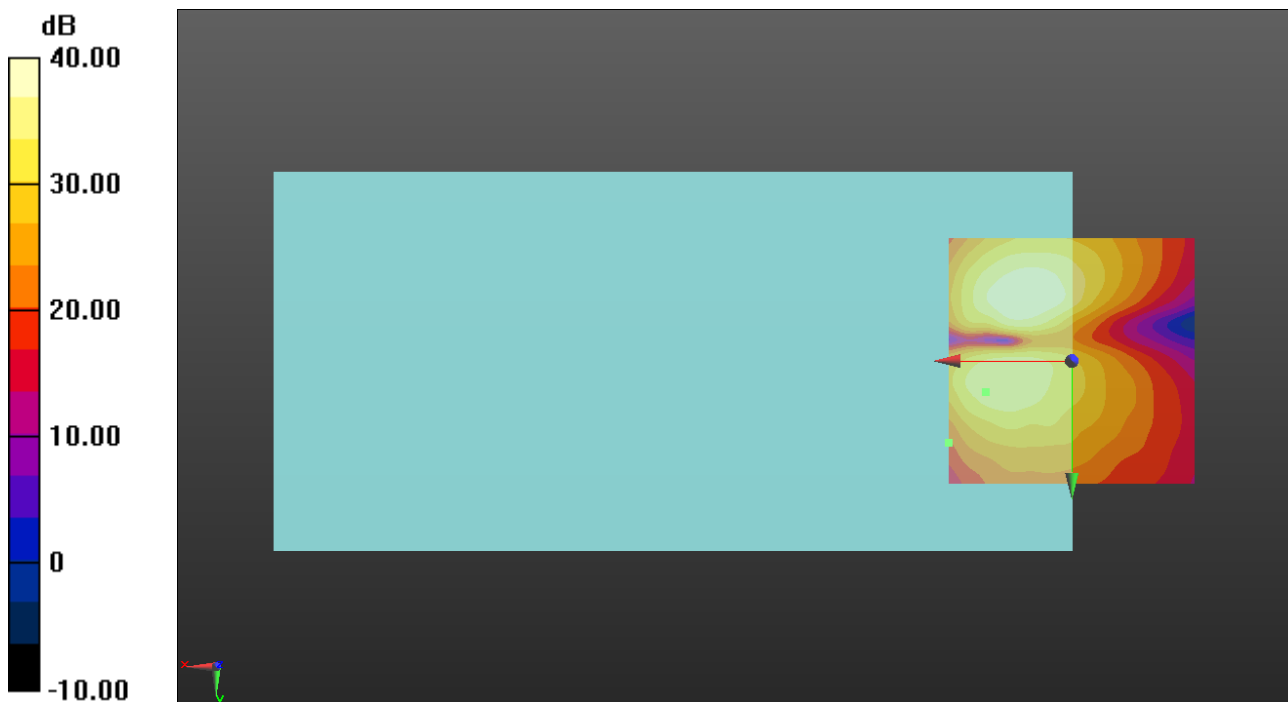
ABM1 comp = -2.72 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, 6.2, 3.7 mm

ABM2 = -31.06 dBA/m

Location: 25, 16.7, 3.7 mm



VoWiFi

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)/11g ch6 54Mbps AMR NB 12.2/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: 30.03

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

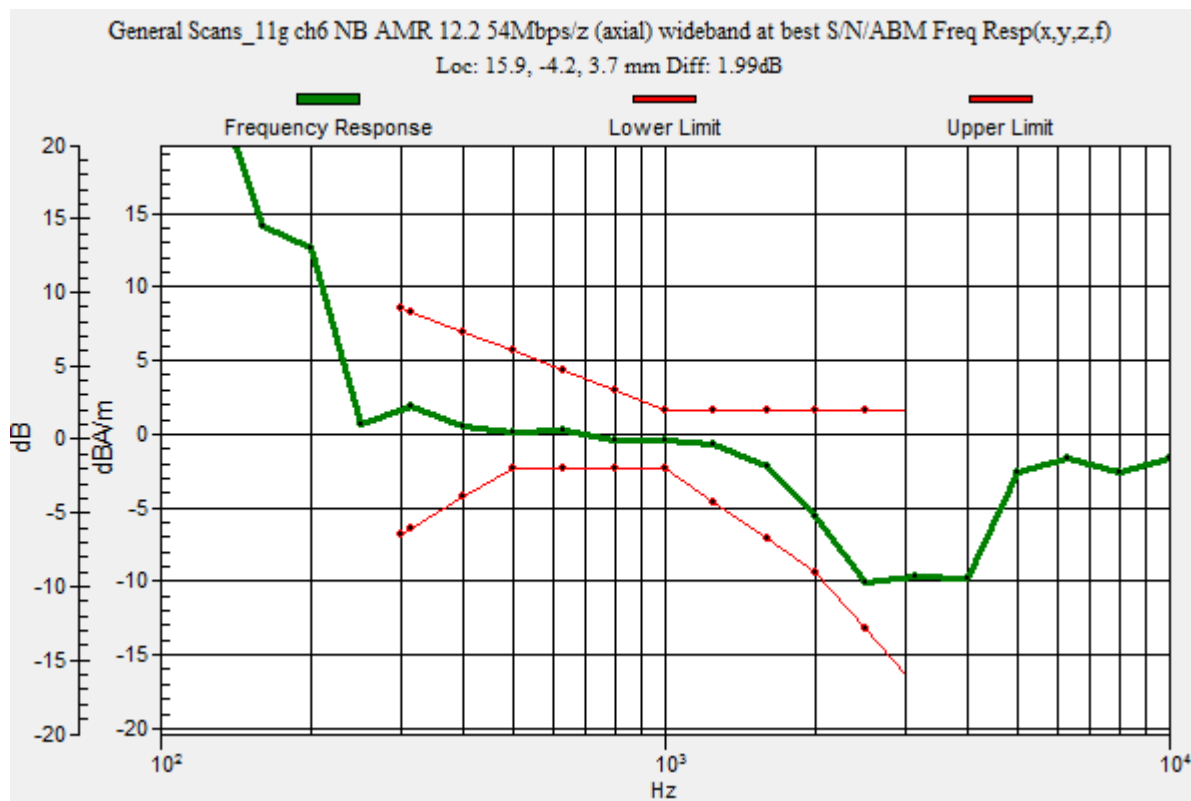
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.99 dB

BWC Factor = 10.80 dB

Location: 15.9, -4.2, 3.7 mm



VoWiFi

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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11g ch6 54Mbps AMR NB 12.2/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.09 dB

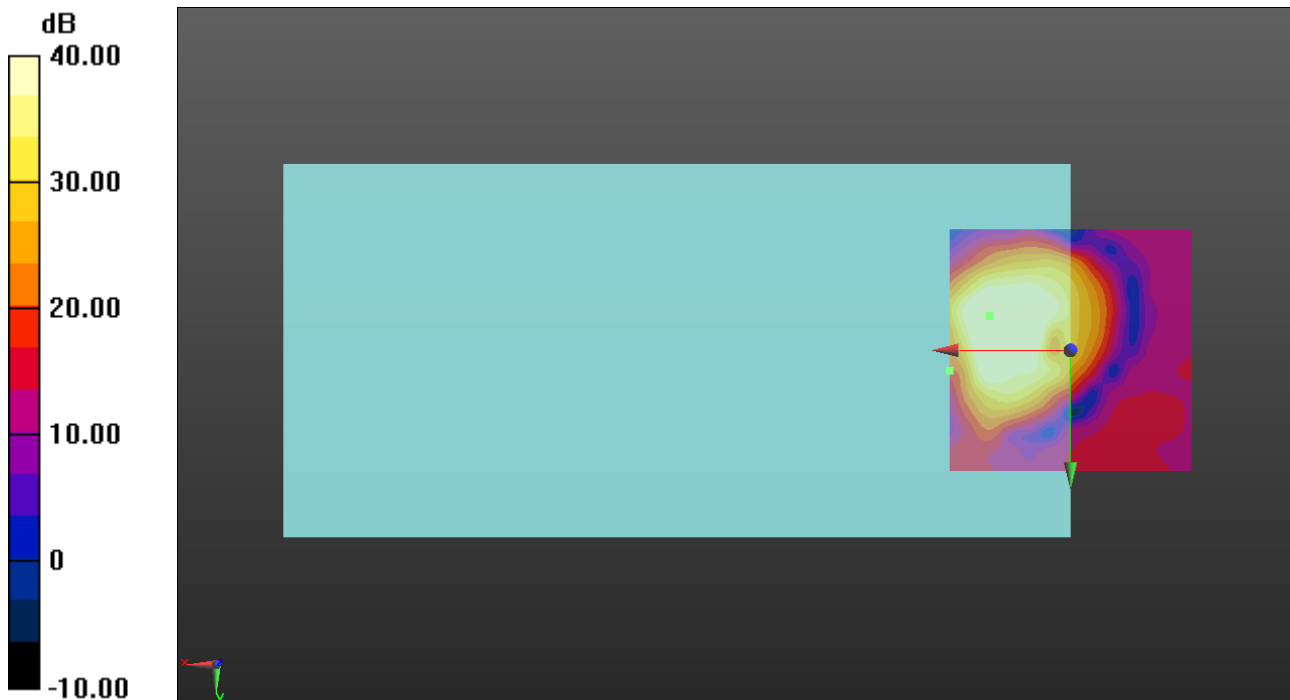
ABM1 comp = -0.49 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -7.1, 3.7 mm

ABM2 = -27.88 dBA/m

Location: 25, 4.2, 3.7 mm



VoWiFi

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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11g ch6 54Mbps AMR NB 12.2/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 26.48 dB

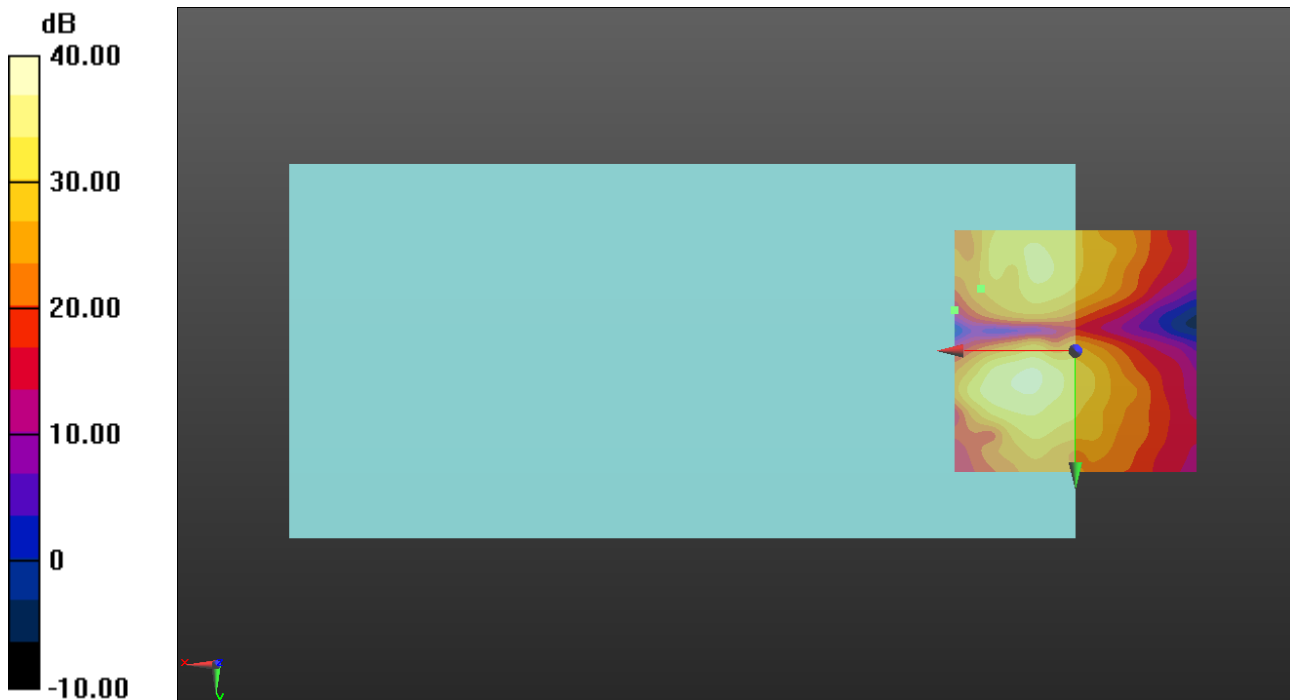
ABM1 comp = -7.53 dBA/m

BWC Factor = 0.16 dB

Location: 19.6, -12.9, 3.7 mm

ABM2 = -27.44 dBA/m

Location: 25, -8.3, 3.7 mm



VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch40 MCS7 AMR NB 4.75/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: 30.03

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

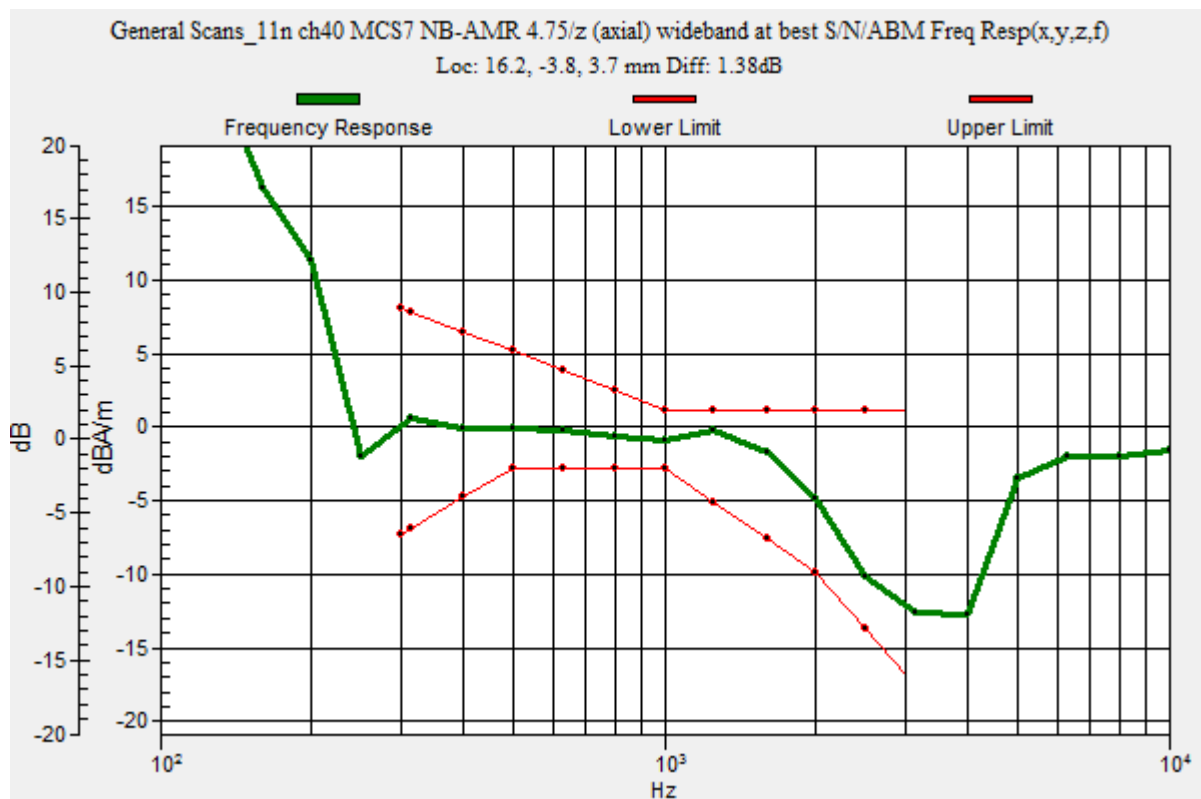
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.38 dB

BWC Factor = 10.80 dB

Location: 16.2, -3.8, 3.7 mm



VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch40 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.12 dB

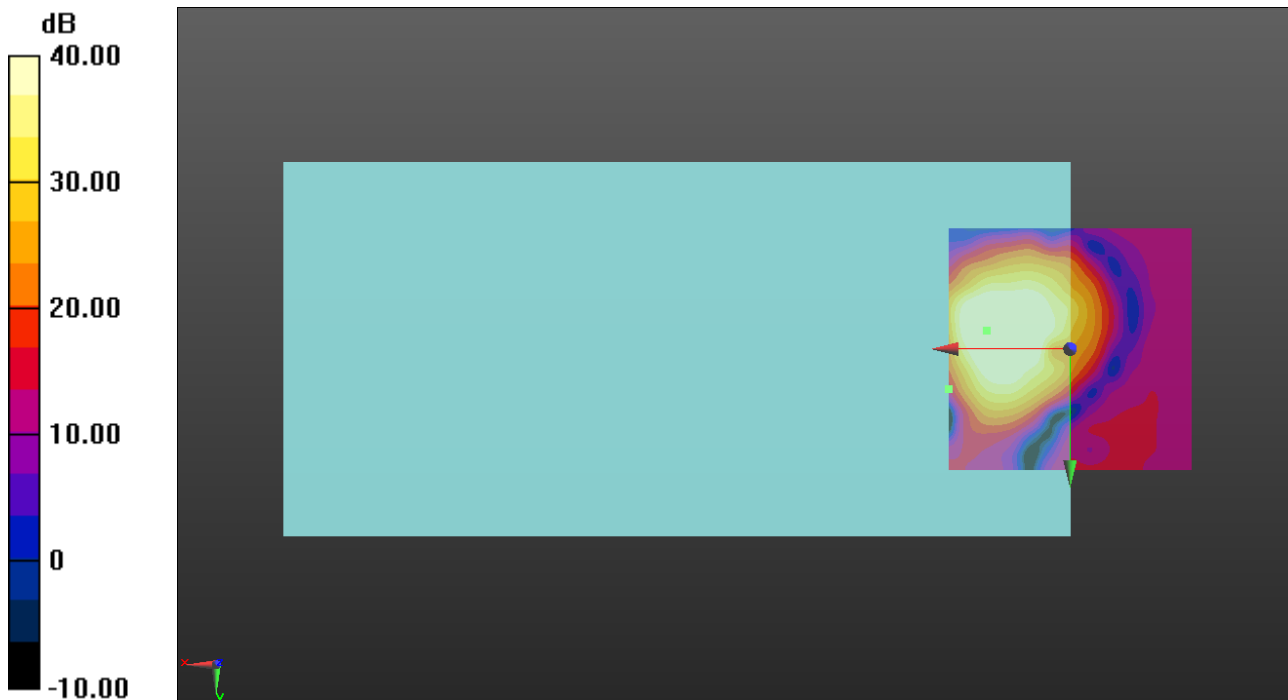
ABM1 comp = -1.20 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, -3.8, 3.7 mm

ABM2 = -29.70 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch40 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 26.56 dB

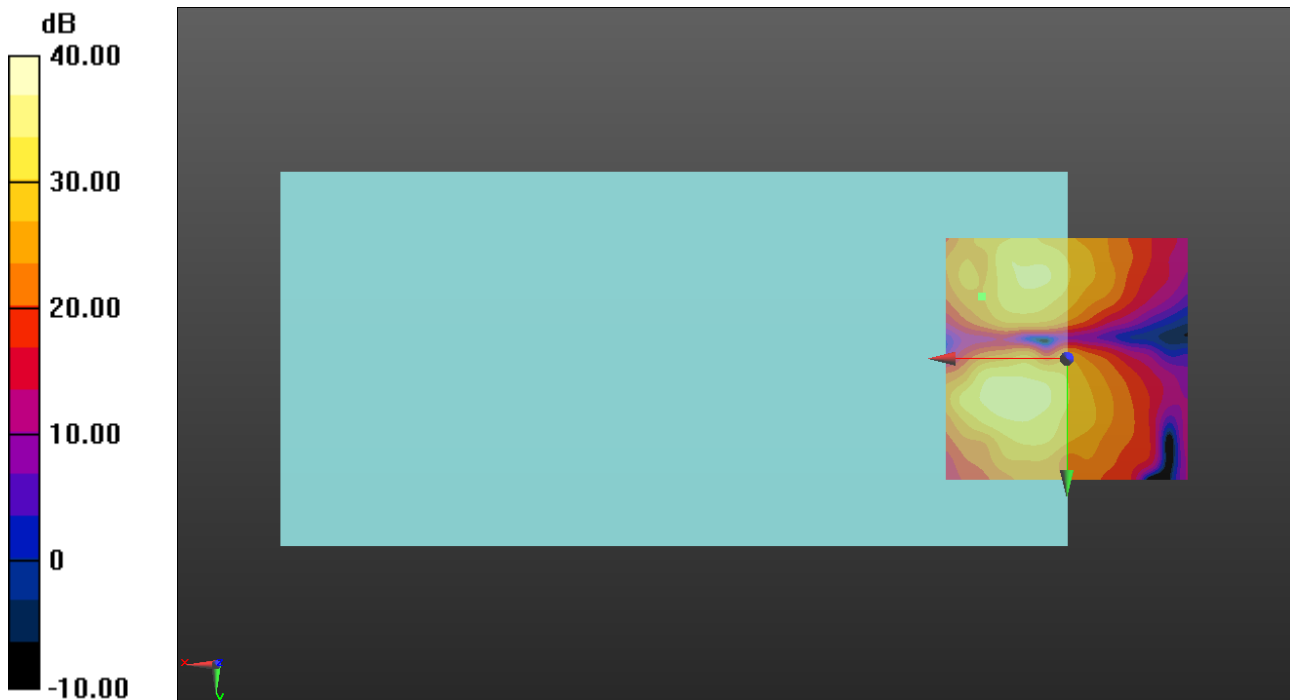
ABM1 comp = -8.94 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, -12.9, 3.7 mm

ABM2 = -28.75 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch56 MCS7 AMR NB 4.75/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: 30.03

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

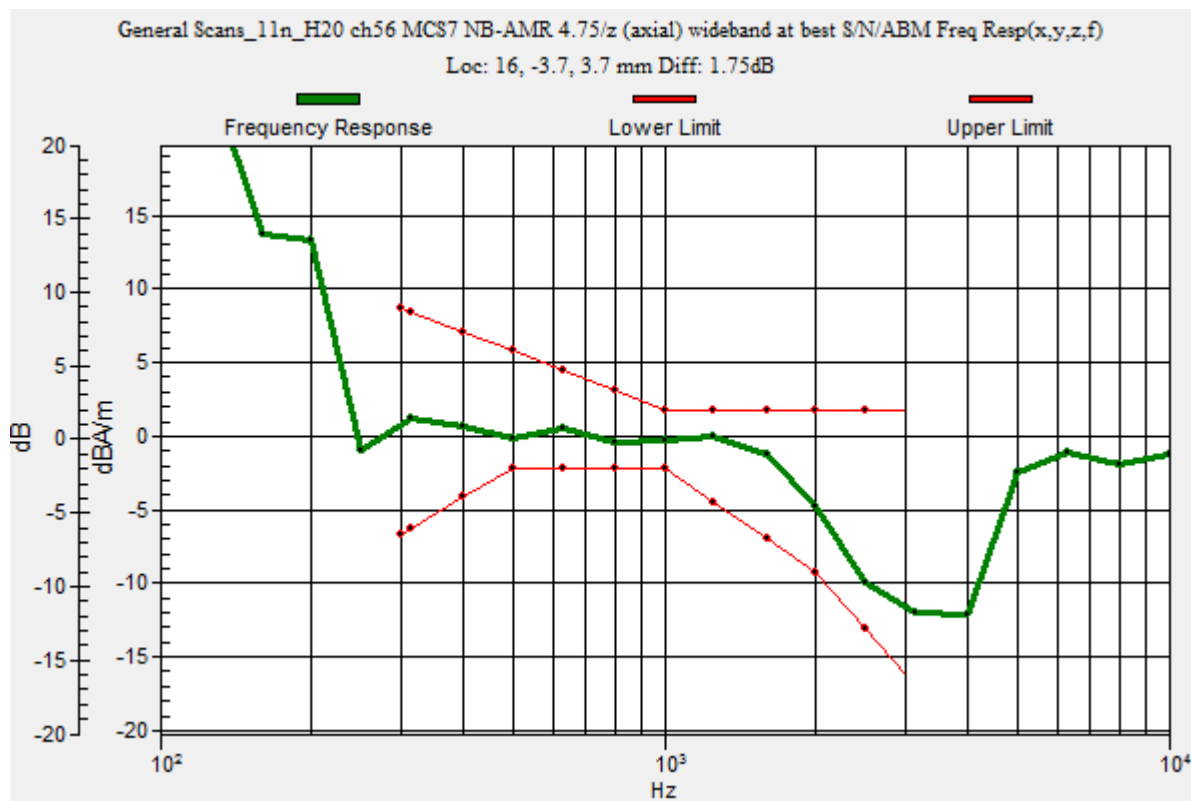
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.75 dB

BWC Factor = 10.80 dB

Location: 16, -3.7, 3.7 mm



VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch56 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.42 dB

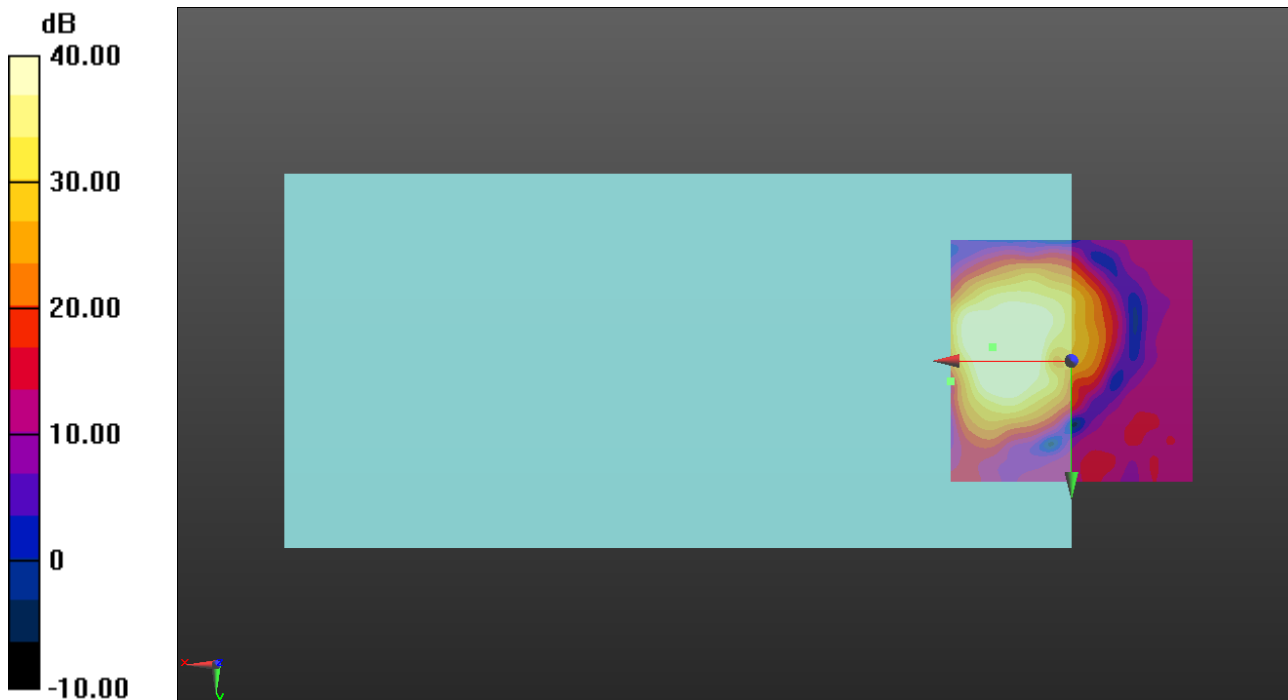
ABM1 comp = -1.33 dBA/m

BWC Factor = 0.16 dB

Location: 16.3, -2.9, 3.7 mm

ABM2 = -23.16 dBA/m

Location: 25, 4.2, 3.7 mm



VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch56 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 36.22 dB

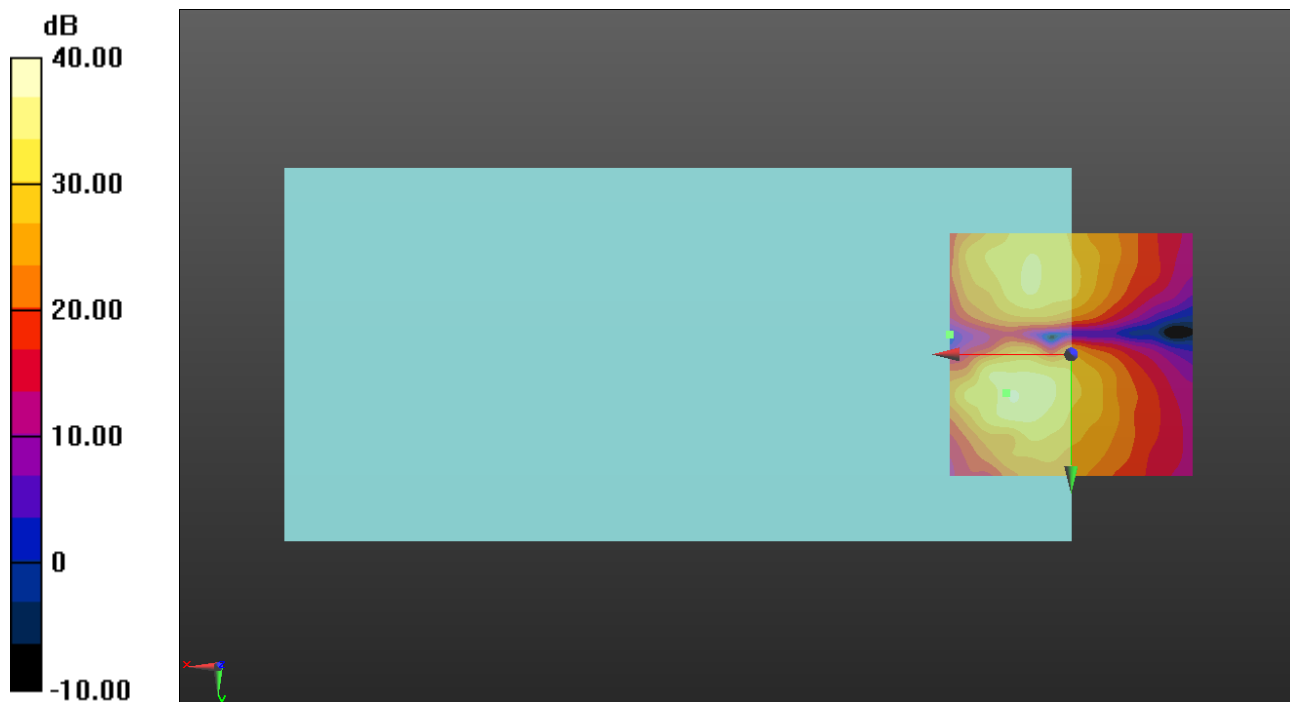
ABM1 comp = -8.75 dBA/m

BWC Factor = 0.16 dB

Location: 13.3, 7.9, 3.7 mm

ABM2 = -26.41 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch120 MCS7 AMR NB 4.75/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: 30.03

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

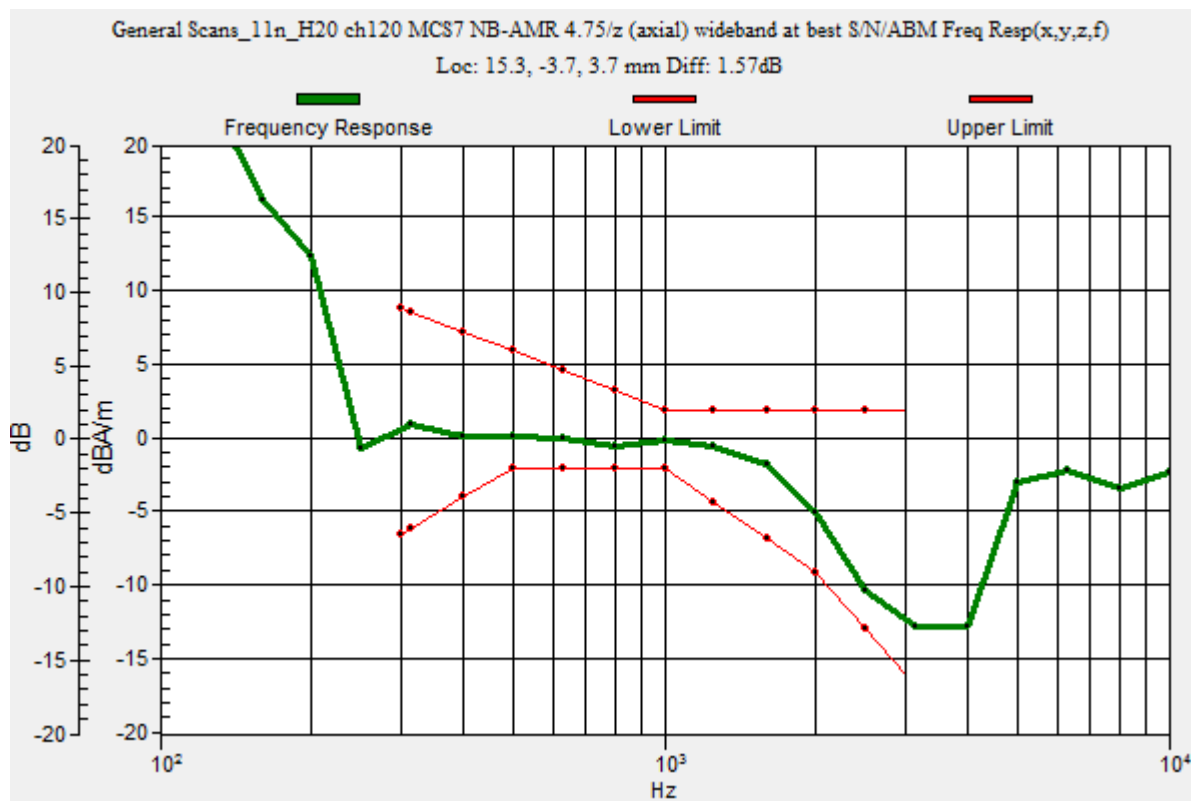
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.57 dB

BWC Factor = 10.80 dB

Location: 15.3, -3.7, 3.7 mm



VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch120 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.68 dB

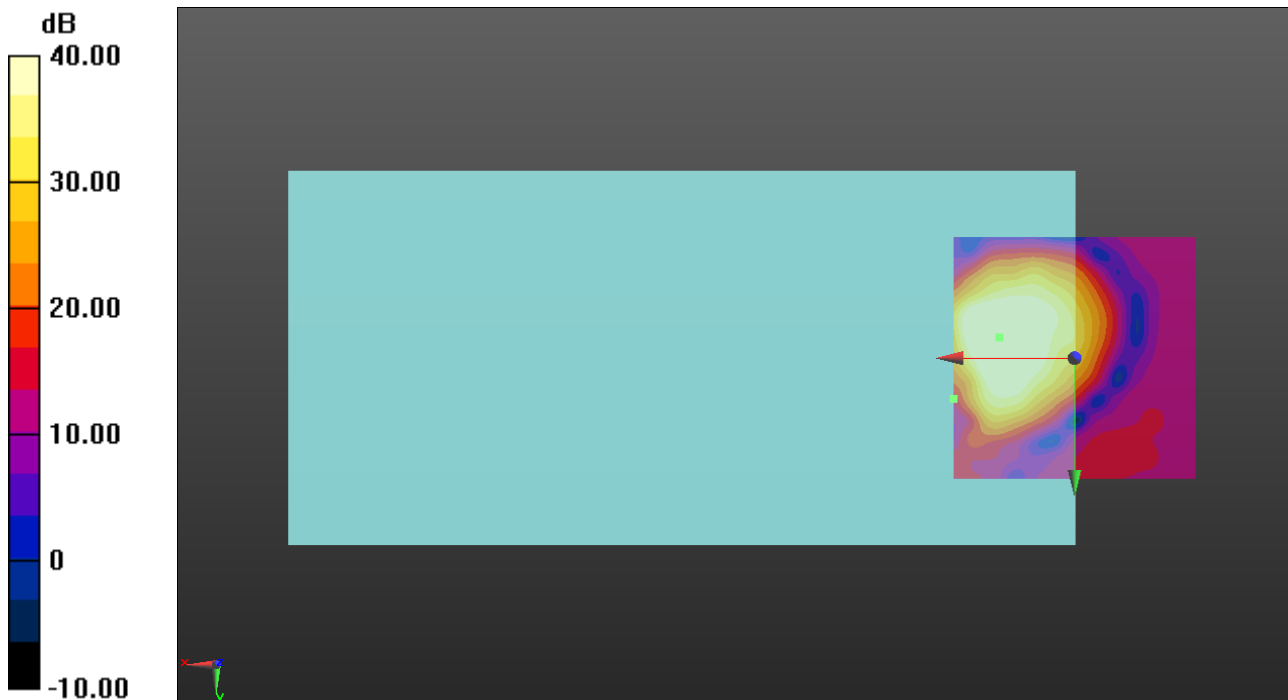
ABM1 comp = -0.94 dBA/m

BWC Factor = 0.16 dB

Location: 15.4, -4.2, 3.7 mm

ABM2 = -30.06 dBA/m

Location: 25, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch120 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 33.29 dB

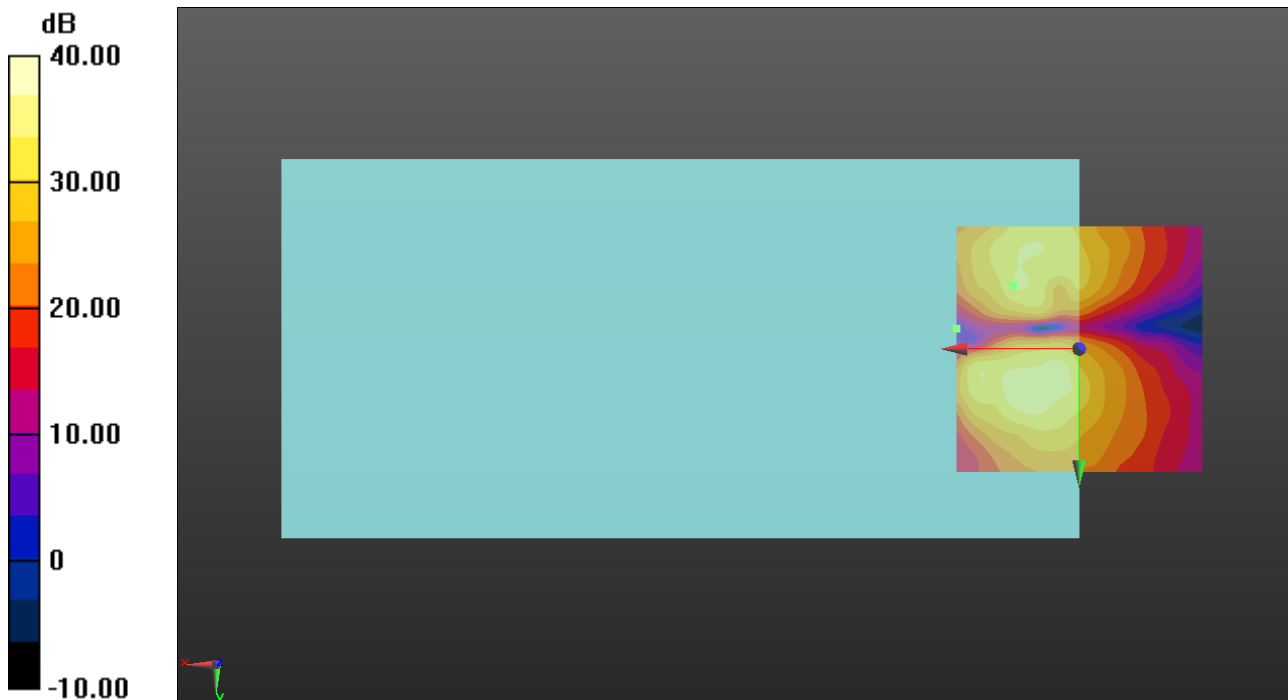
ABM1 comp = -7.86 dBA/m

BWC Factor = 0.16 dB

Location: 13.3, -12.9, 3.7 mm

ABM2 = -28.72 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch157 MCS7 AMR NB 4.75/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: 30.03

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

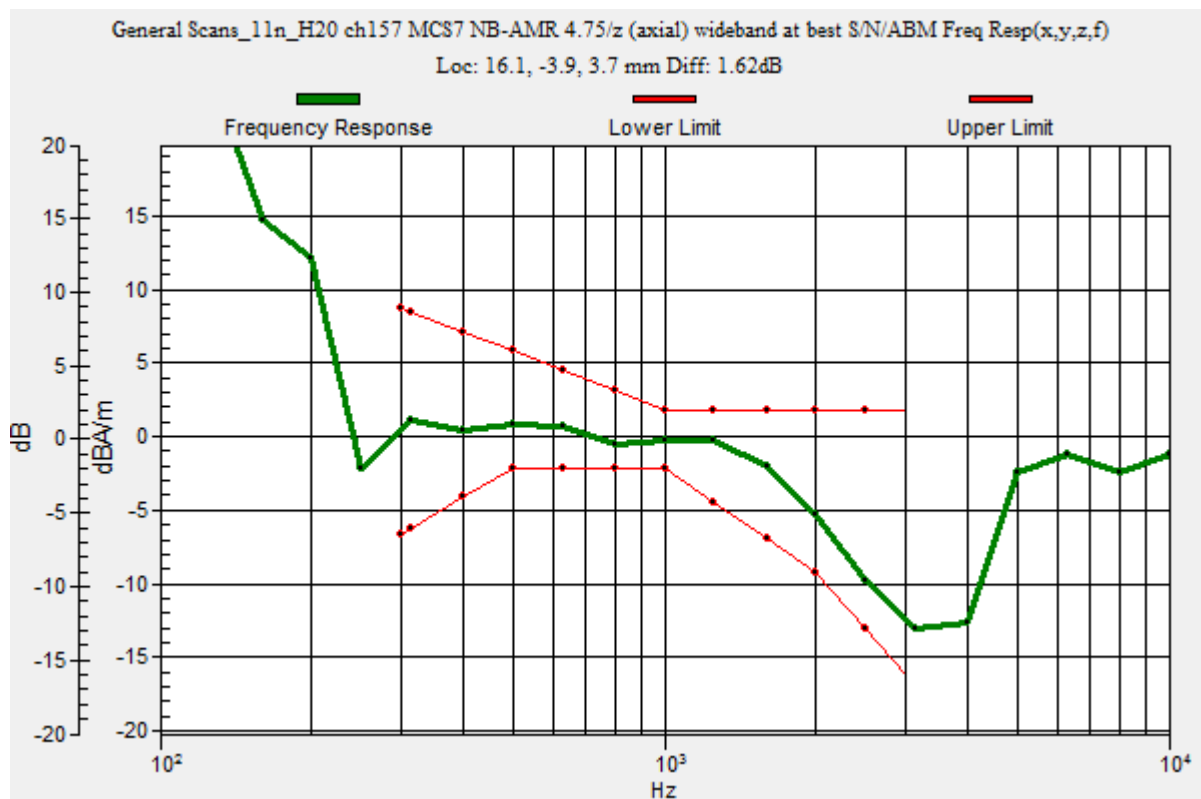
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.62 dB

BWC Factor = 10.80 dB

Location: 16.1, -3.9, 3.7 mm



VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch157 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 46.02 dB

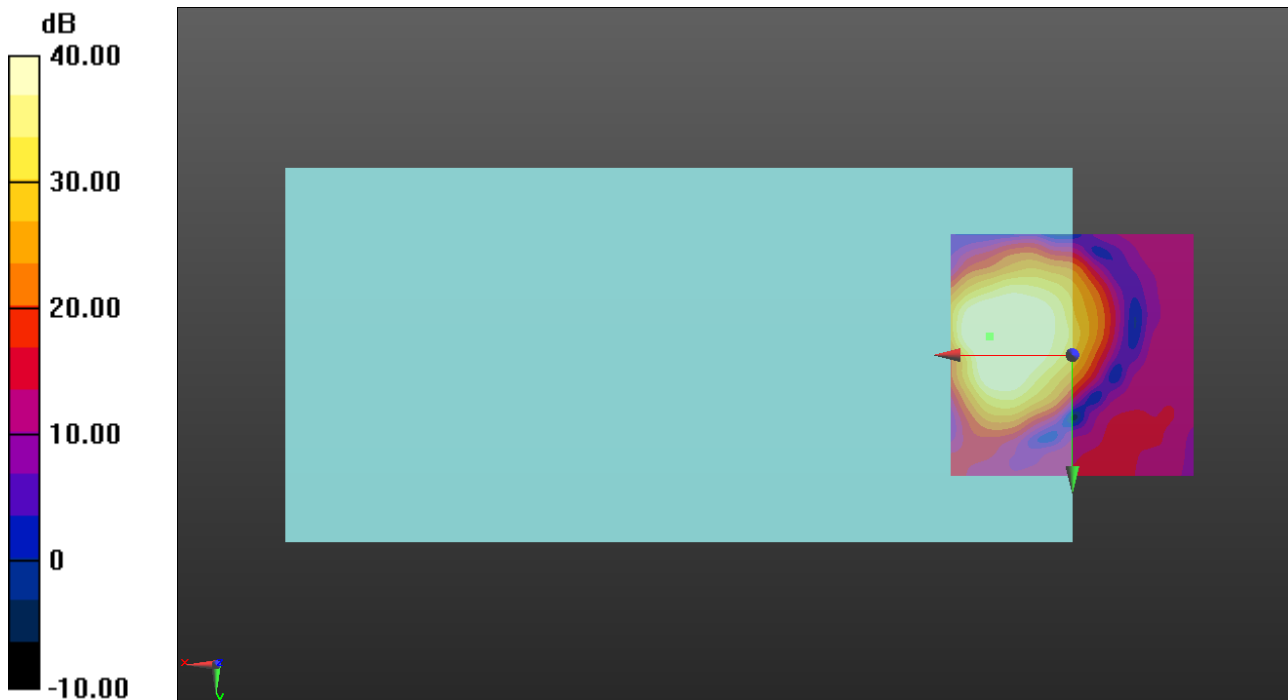
ABM1 comp = -1.13 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, -3.8, 3.7 mm

ABM2 = -27.53 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch157 MCS7 AMR NB 4.75/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: 15.31

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 29.77 dB

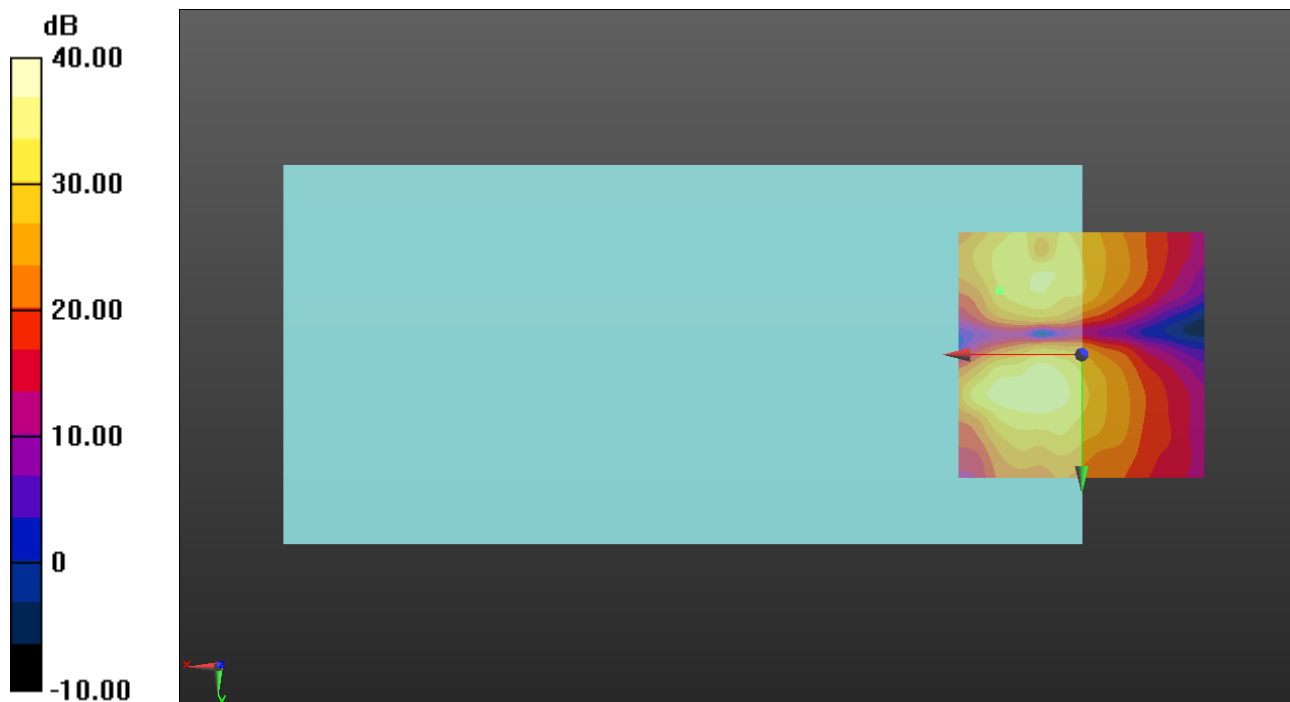
ABM1 comp = -8.15 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -12.9, 3.7 mm

ABM2 = -26.75 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 824.4 MHz; Duty Cycle: 1:4.00037

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850 EDGE 2slots ch128 codec6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

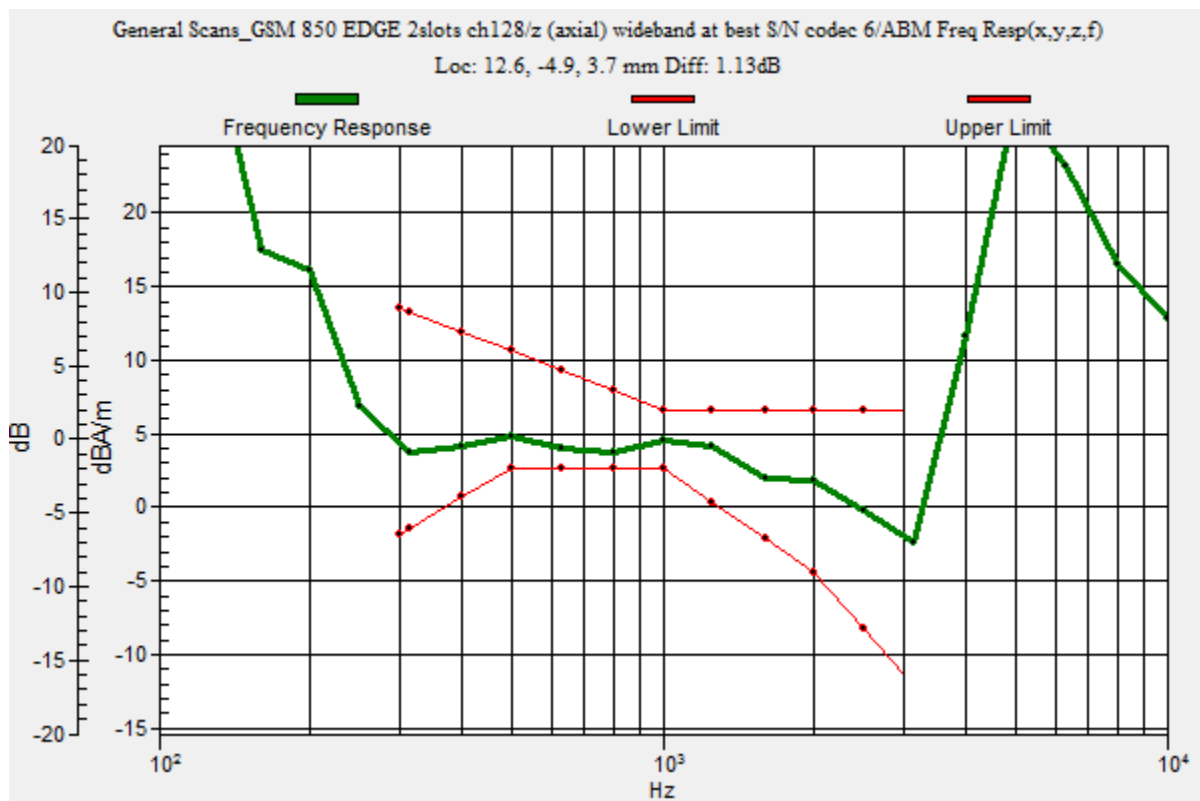
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.13 dB

BWC Factor = 10.80 dB

Location: 12.6, -4.9, 3.7 mm



OTT_EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 824.4 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850 EDGE 2slots ch128 codec6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.49 dB

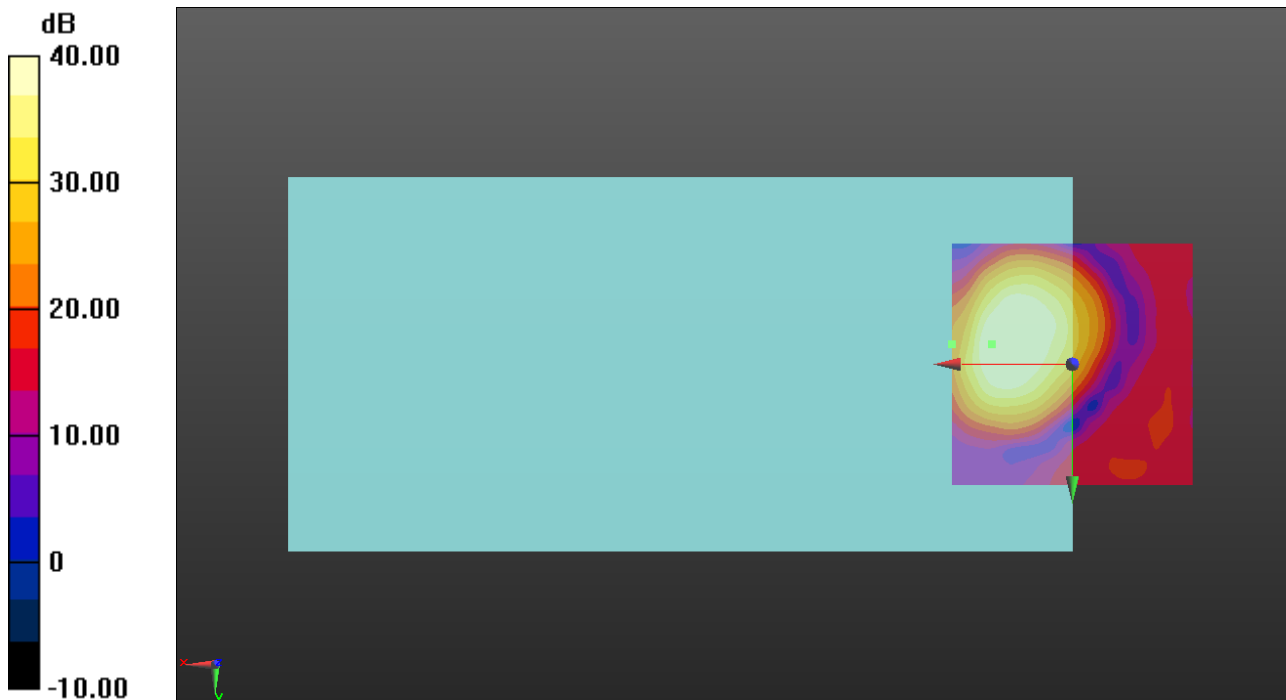
ABM1 comp = 5.53 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -21.74 dBA/m

Location: 25, -4.2, 3.7 mm



OTT_EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 824.4 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850 EDGE 2slots ch128 codec6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.19 dB

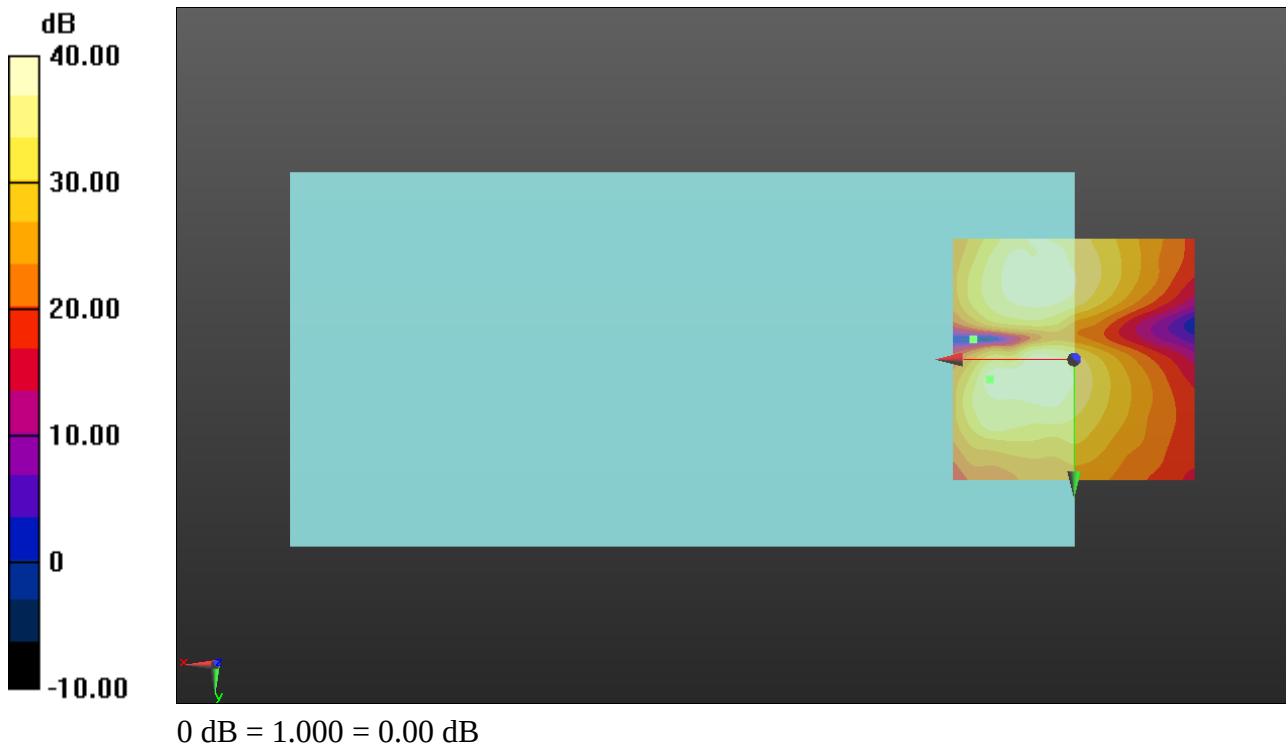
ABM1 comp = -2.51 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, 4.2, 3.7 mm

ABM2 = -29.90 dBA/m

Location: 20.8, -4.2, 3.7 mm



OTT_EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1850.2 MHz;Duty Cycle: 1:4.00037

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900 EDGE 2slots ch512 codec6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

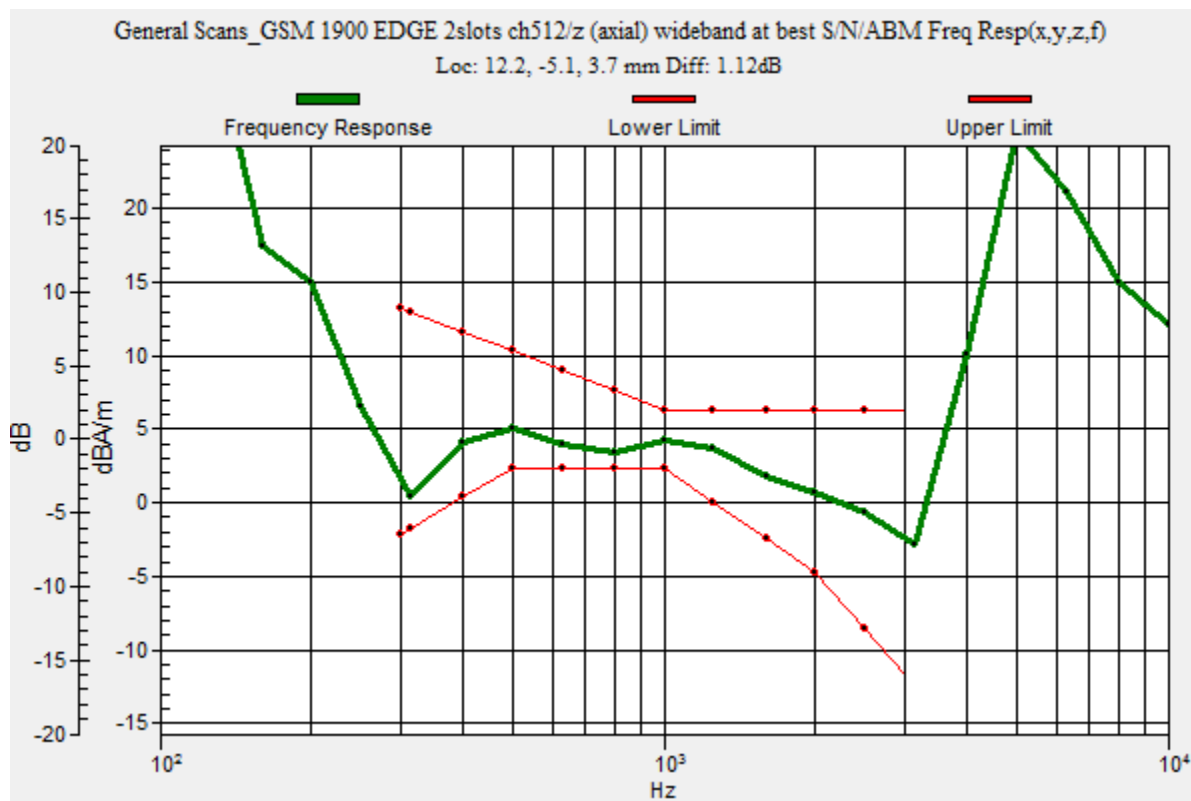
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.12 dB

BWC Factor = 10.80 dB

Location: 12.2, -5.1, 3.7 mm



OTT_EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900 EDGE 2slots ch512 codec6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.99 dB

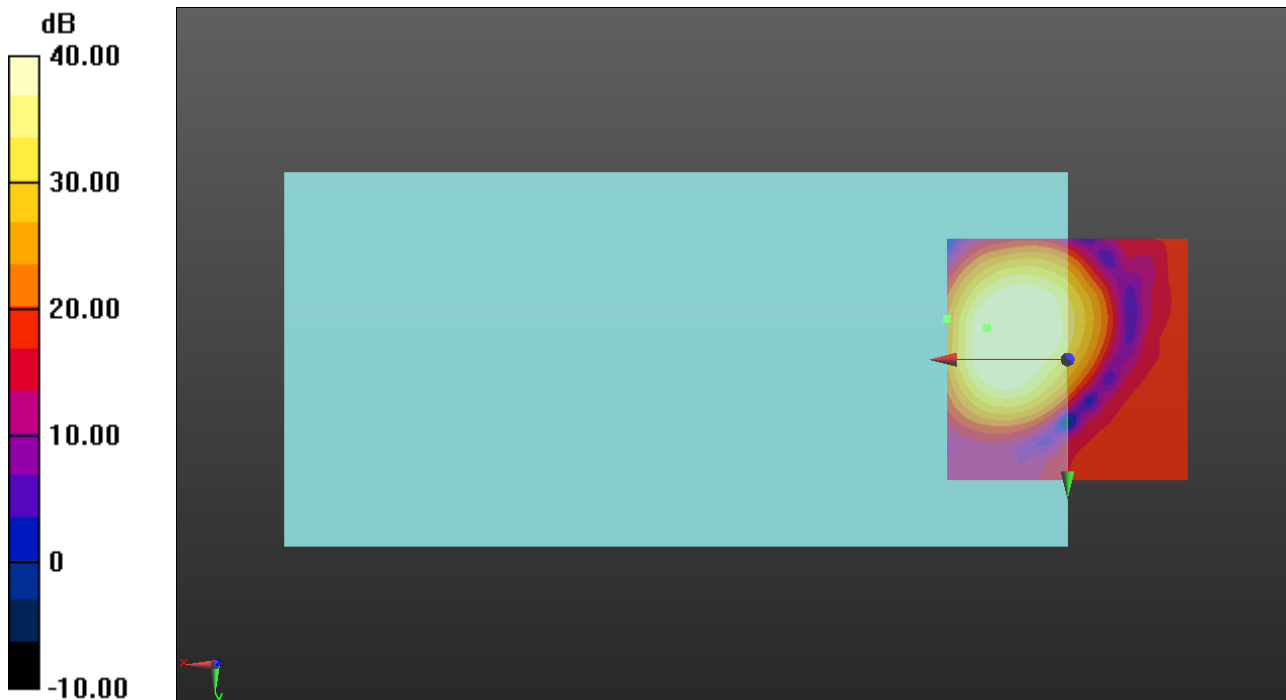
ABM1 comp = 5.39 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -6.7, 3.7 mm

ABM2 = -23.63 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900 EDGE 2slots ch512 codec6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 34.99 dB

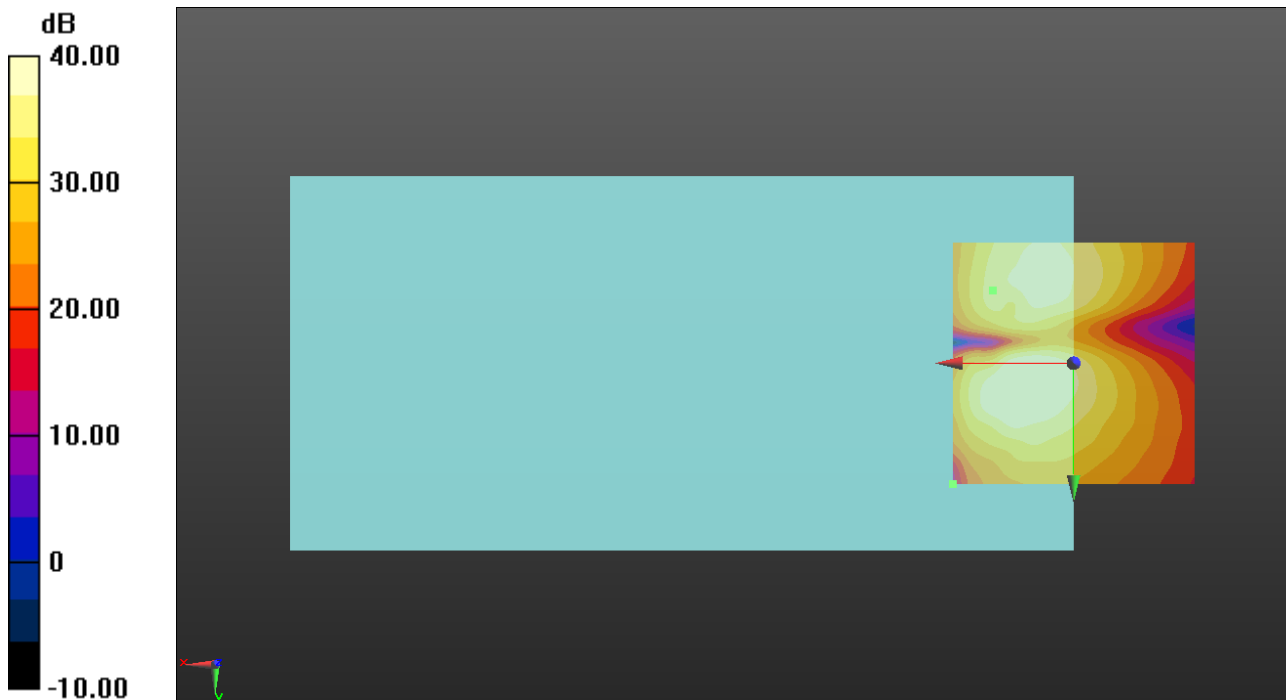
ABM1 comp = -2.44 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -15, 3.7 mm

ABM2 = -27.31 dBA/m

Location: 25, 25, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WCDMA

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)/HSUPA_subtest1 ch9538 codec64/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

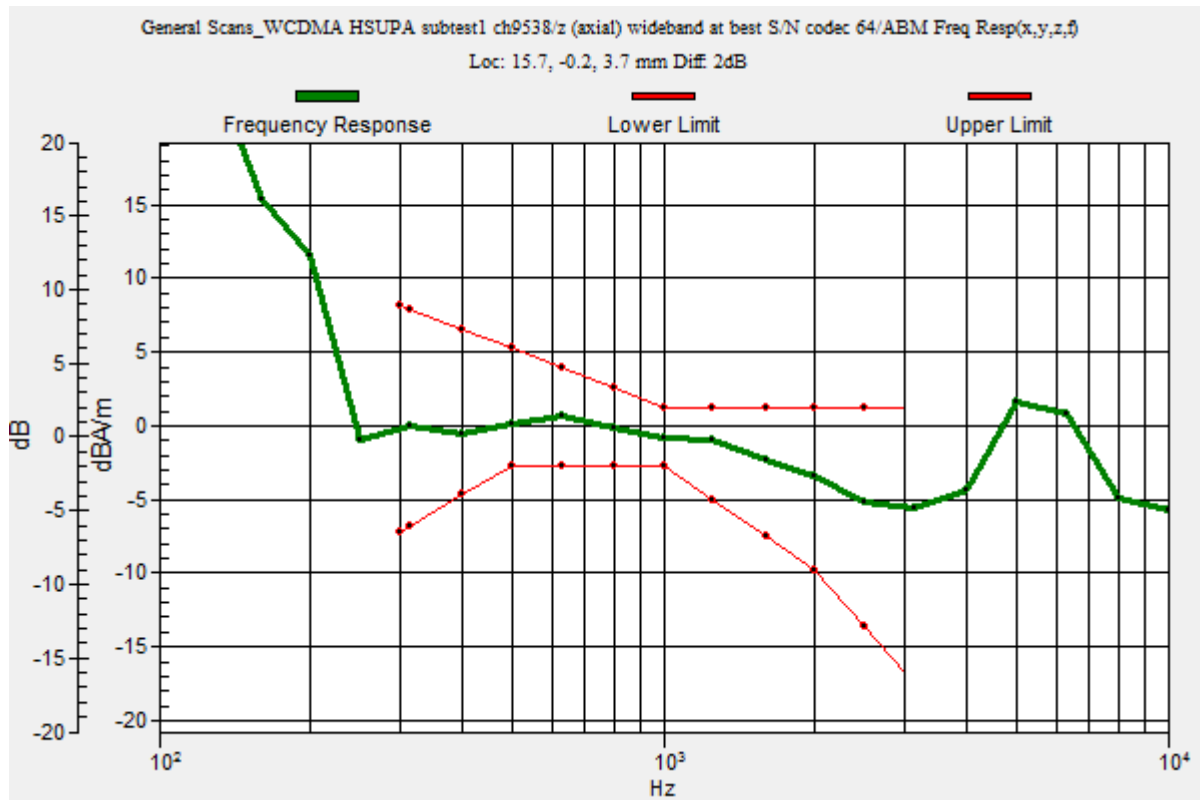
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 15.7, -0.2, 3.7 mm



OTT_WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch9538

codec64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.16 dB

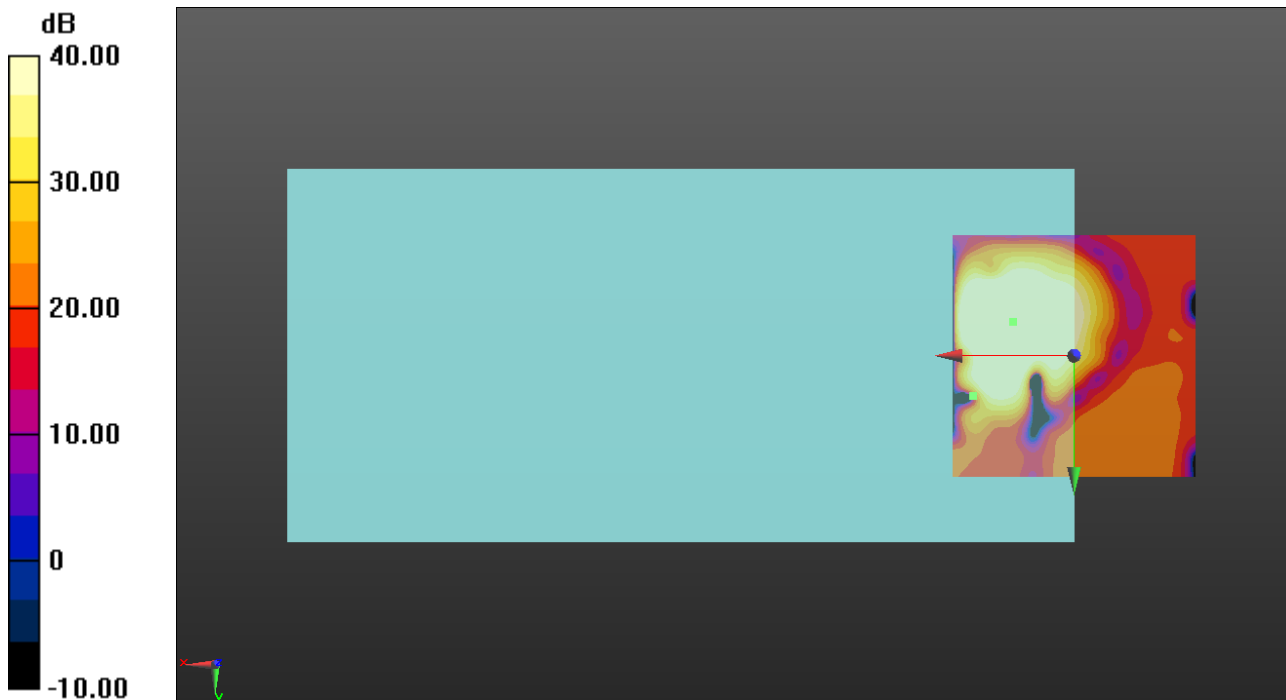
ABM1 comp = 5.27 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -7.1, 3.7 mm

ABM2 = -23.73 dBA/m

Location: 20.8, 8.3, 3.7 mm



OTT_WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch9538 codec64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.08 dB

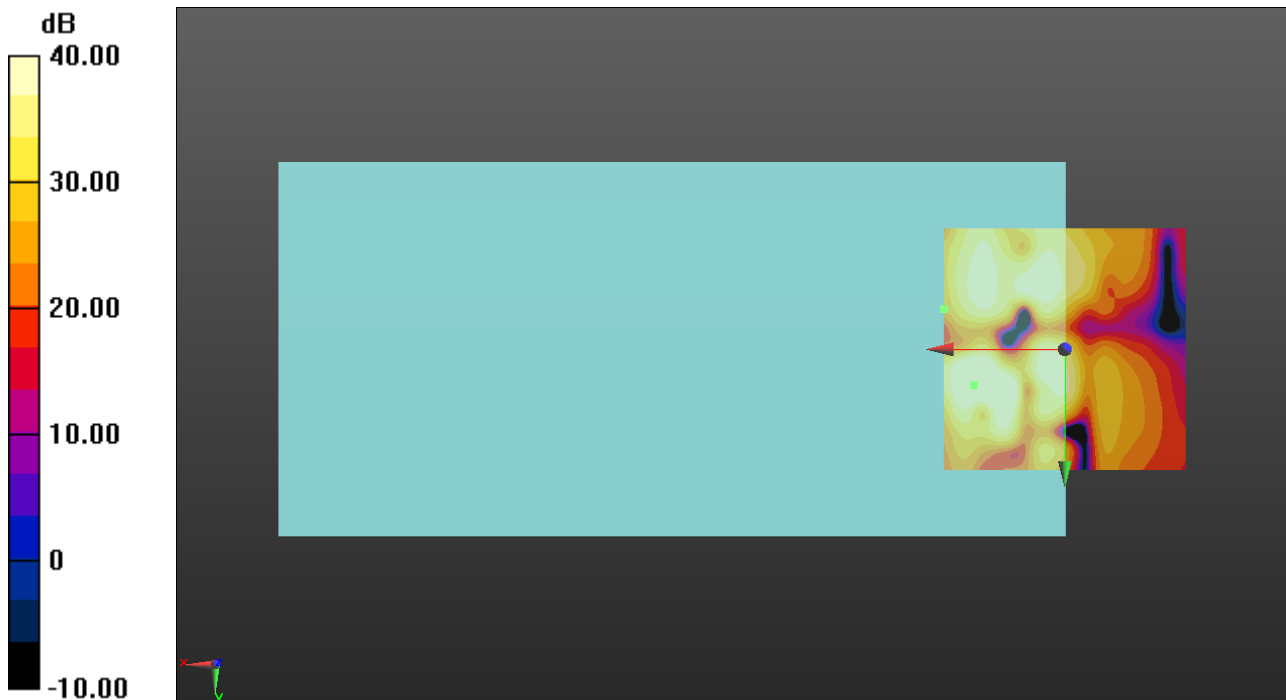
ABM1 comp = -0.23 dBA/m

BWC Factor = 0.16 dB

Location: 18.8, 7.5, 3.7 mm

ABM2 = -31.71 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WCDMA

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)/HSUPA_subtest1 ch1513 codec64/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

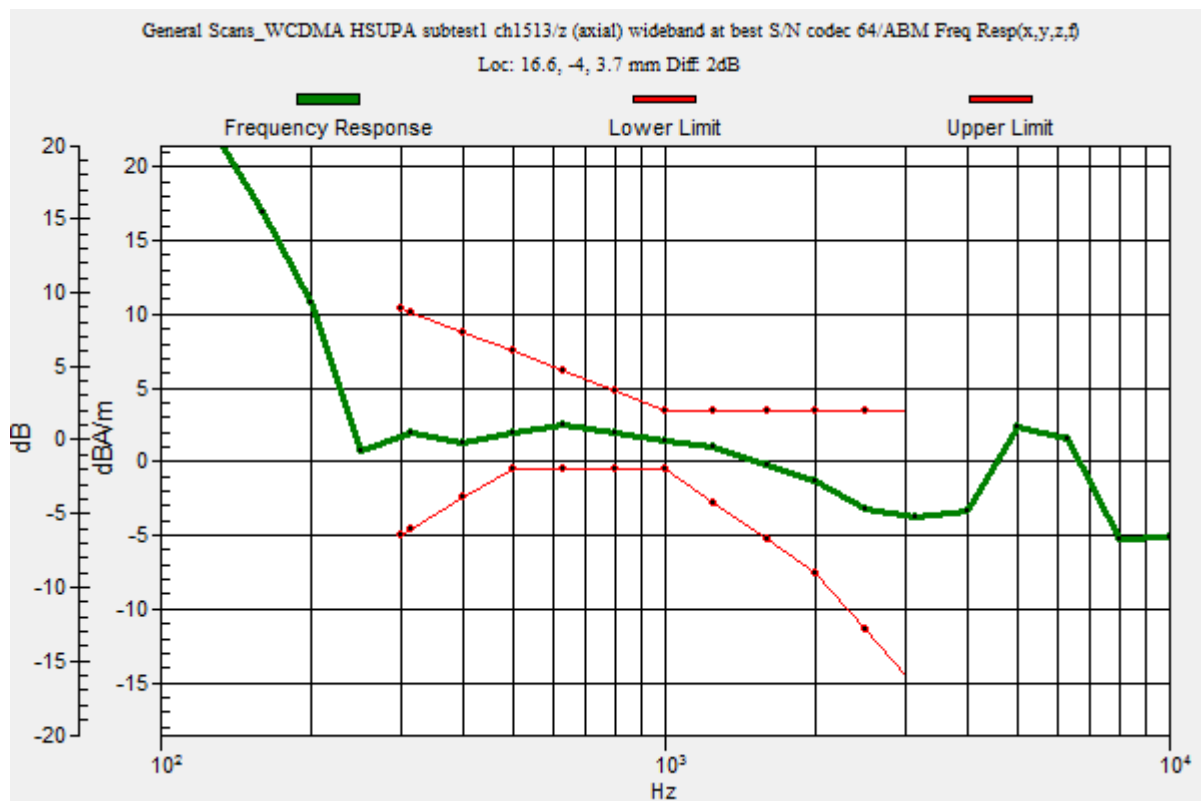
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.6, -4, 3.7 mm



OTT_WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch1513

codec64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, OTT_WCDMA 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.95 dB

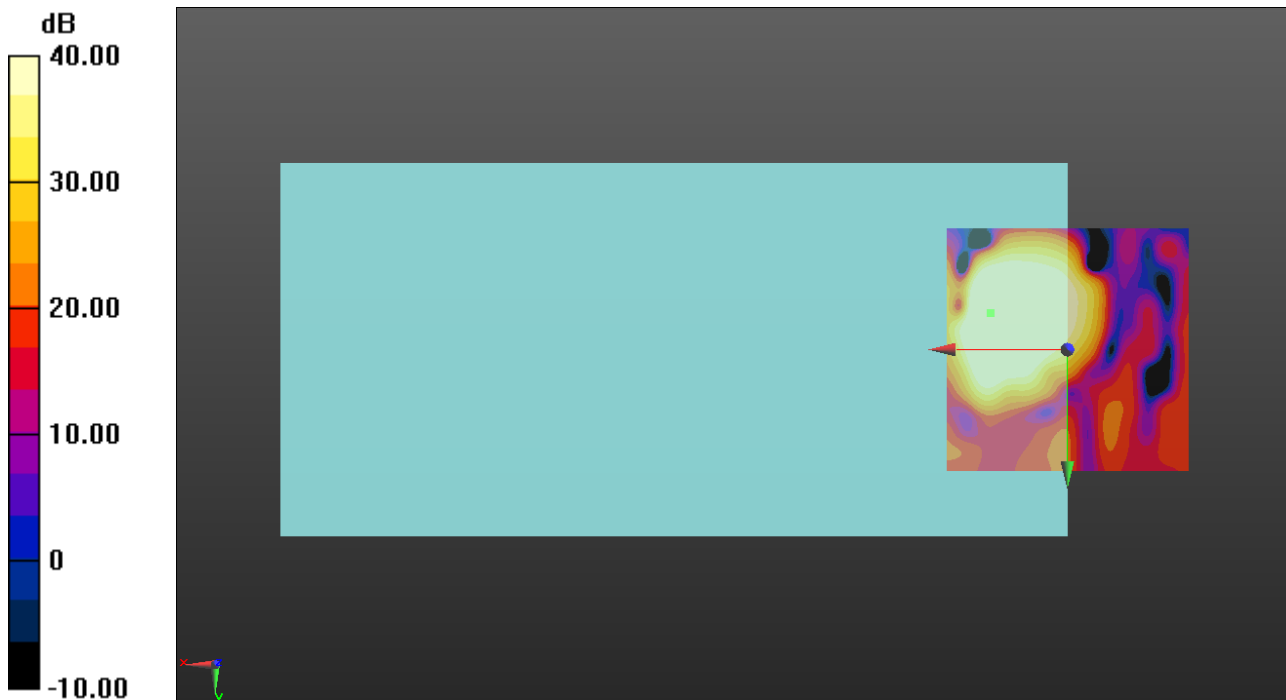
ABM1 comp = 5.03 dBA/m

BWC Factor = 0.16 dB

Location: 15.8, -7.5, 3.7 mm

ABM2 = -28.23 dBA/m

Location: 25, 0, 3.7 mm



OTT_WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch1513 codec64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.94 dB

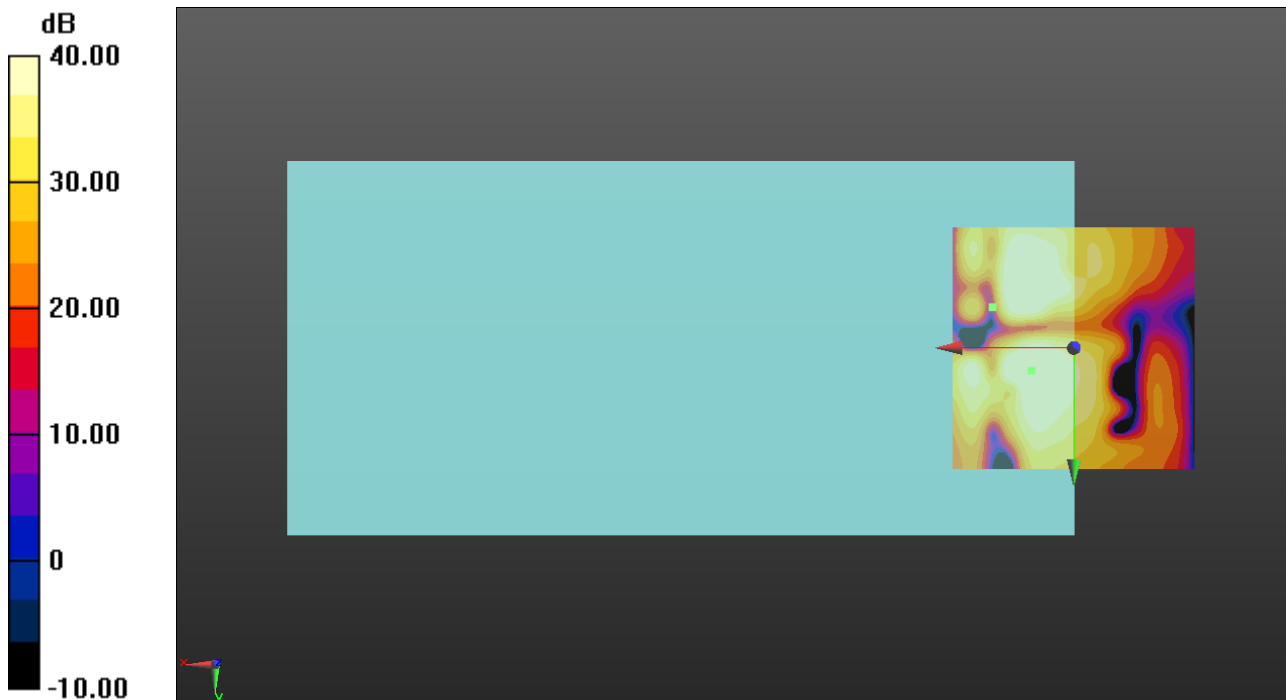
ABM1 comp = -4.83 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, 4.6, 3.7 mm

ABM2 = -22.96 dBA/m

Location: 16.7, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WCDMA

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch4233
codec64/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

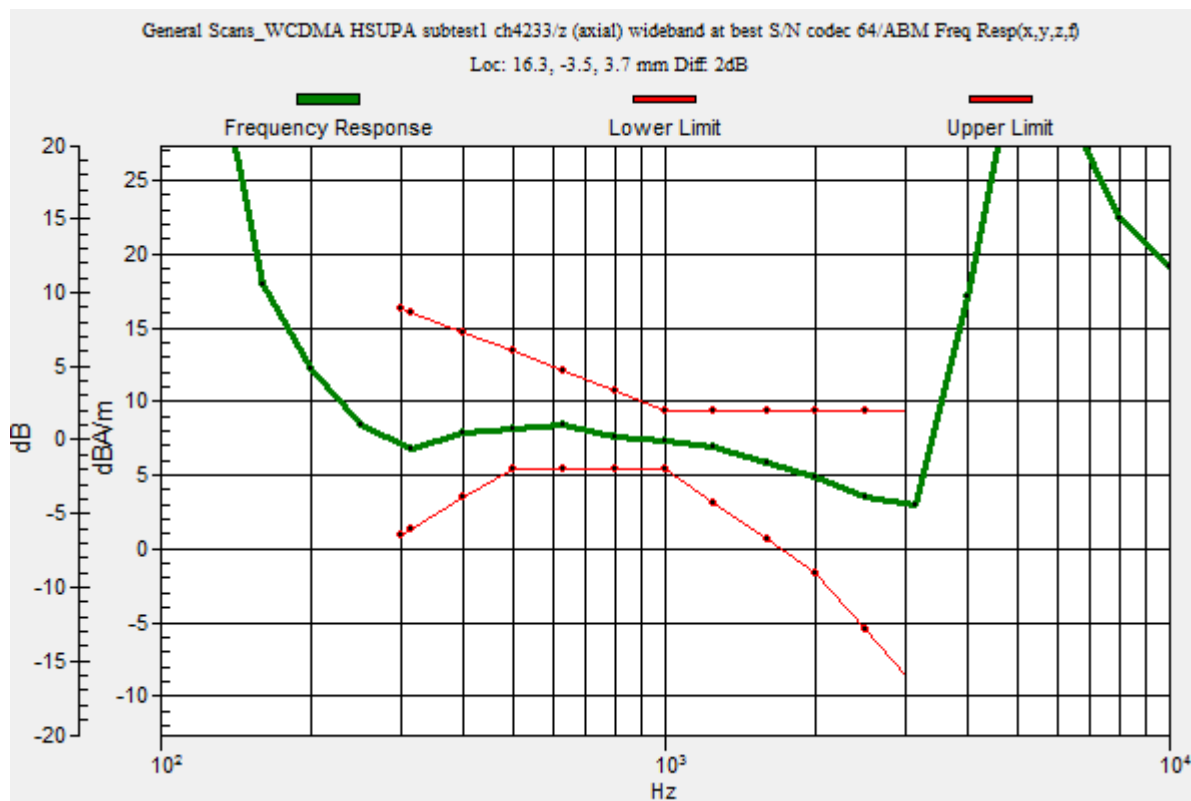
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.3, -3.5, 3.7 mm



OTT_WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch4233

codec64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 54.59 dB

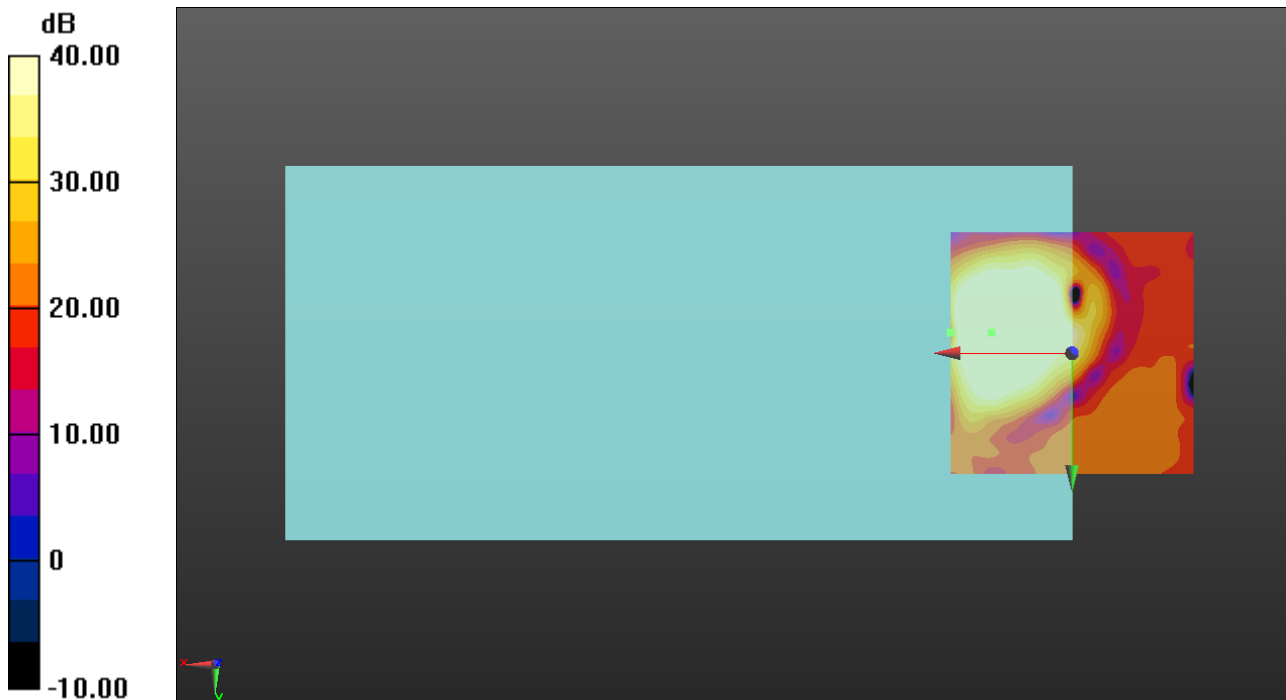
ABM1 comp = 6.76 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -18.69 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WCDMA

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA_subtest1 ch4233 codec64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.07 dB

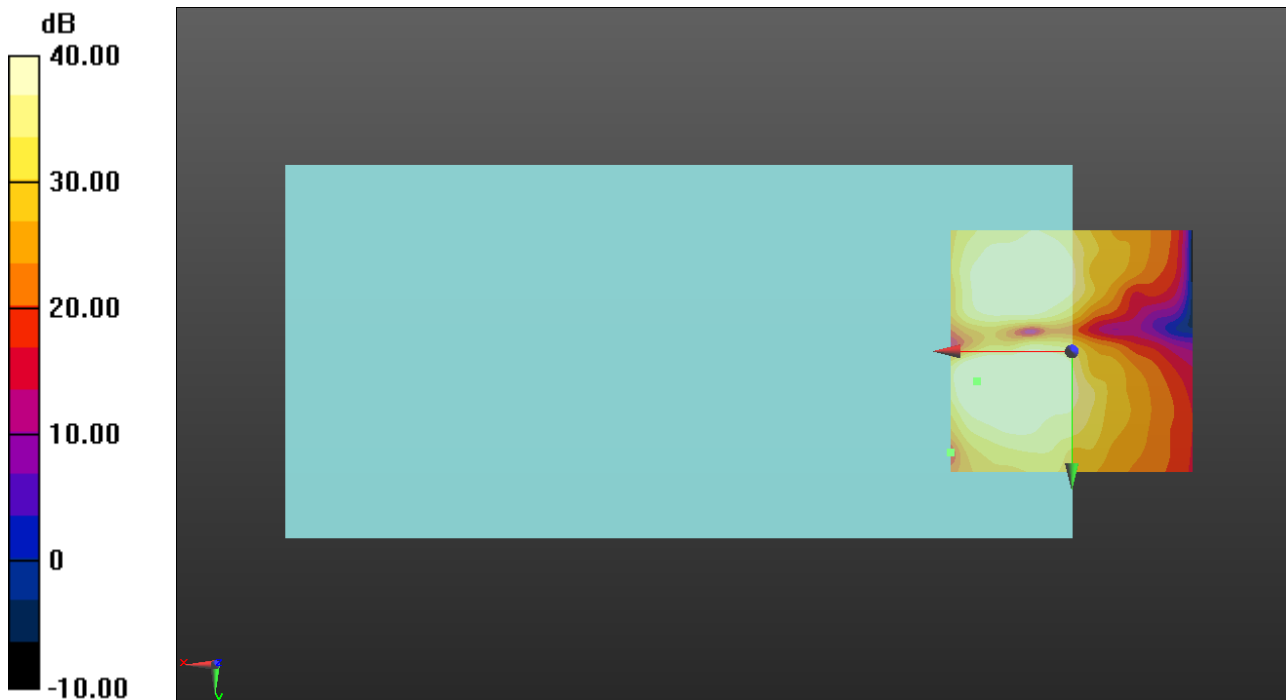
ABM1 comp = 0.18 dBA/m

BWC Factor = 0.16 dB

Location: 19.6, 6.2, 3.7 mm

ABM2 = -28.13 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE FDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2 ch18900 QPSK RB1/0 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

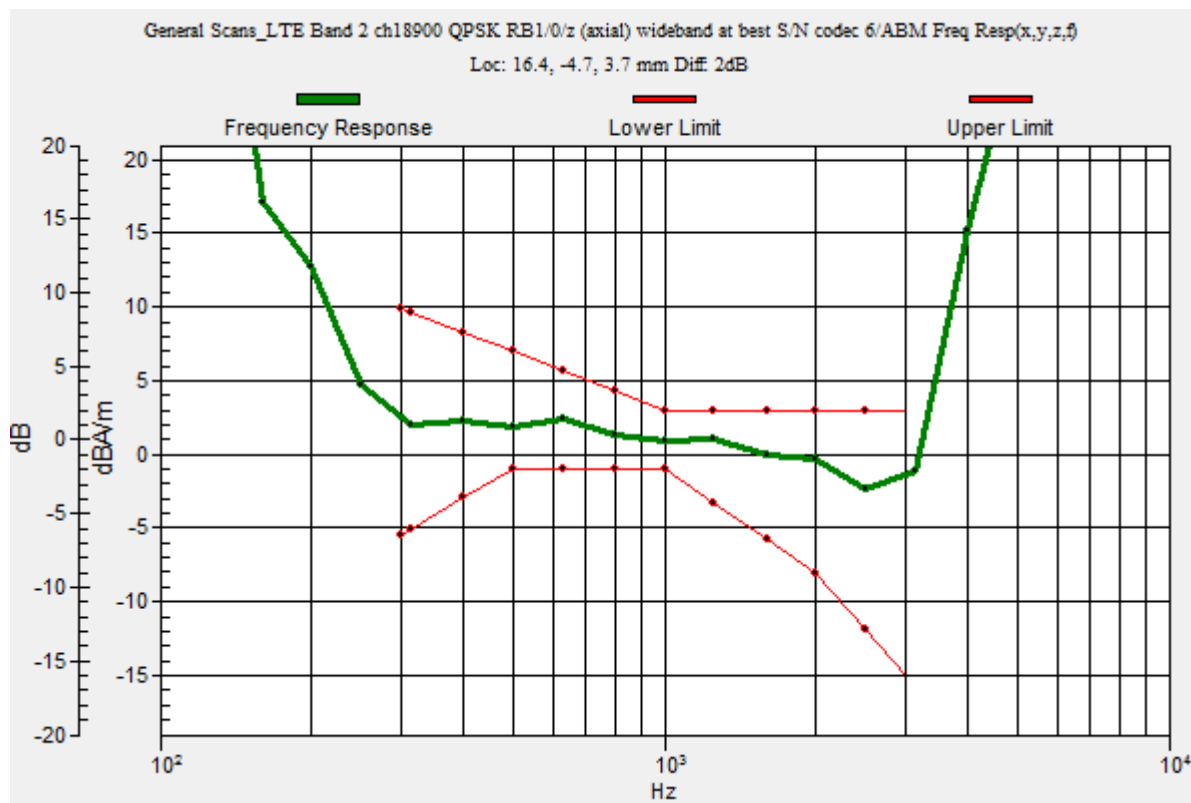
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.4, -4.7, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2 ch18900 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 53.61 dB

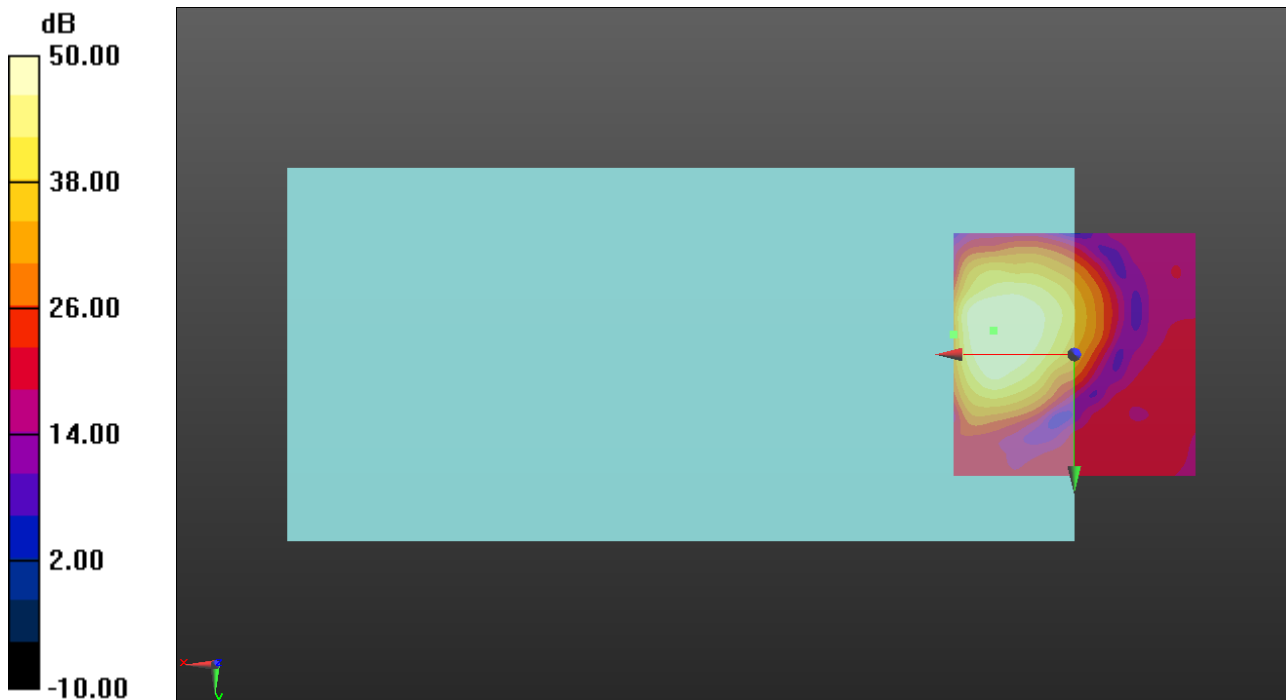
ABM1 comp = 5.88 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -5, 3.7 mm

ABM2 = -30.62 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2 ch18900 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.57 dB

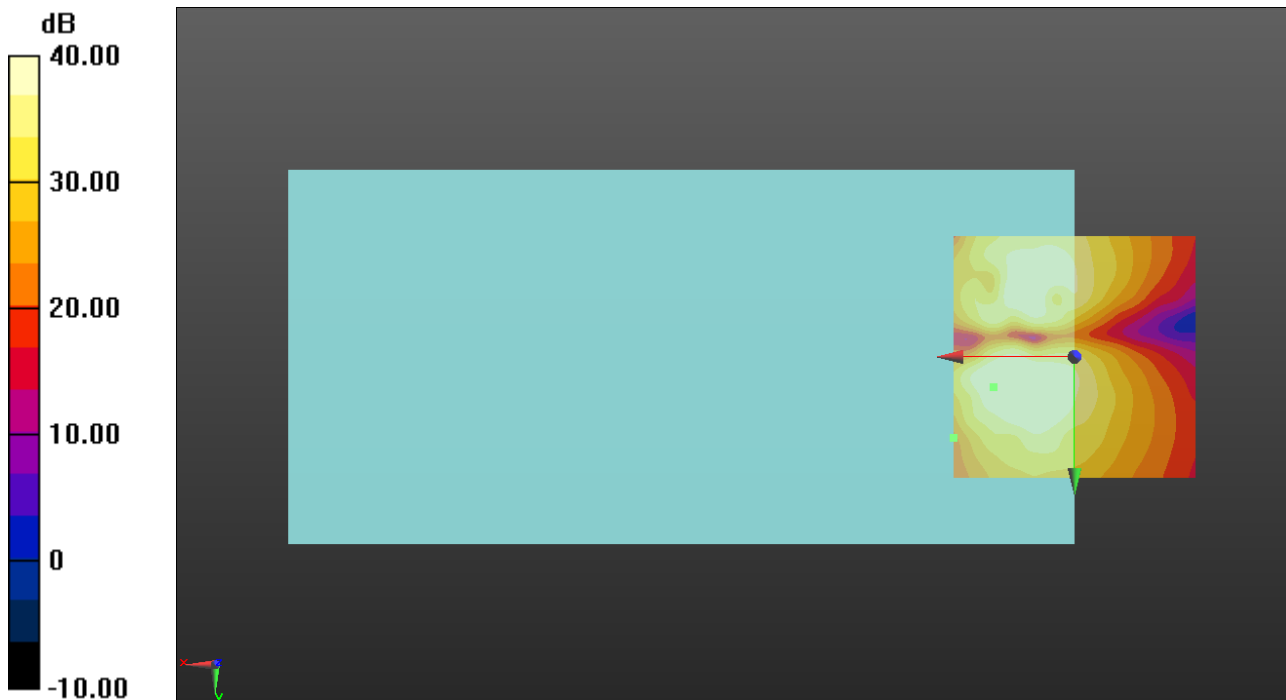
ABM1 comp = -2.30 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, 6.2, 3.7 mm

ABM2 = -32.47 dBA/m

Location: 25, 16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE FDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5 ch20525 QPSK RB1/0 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

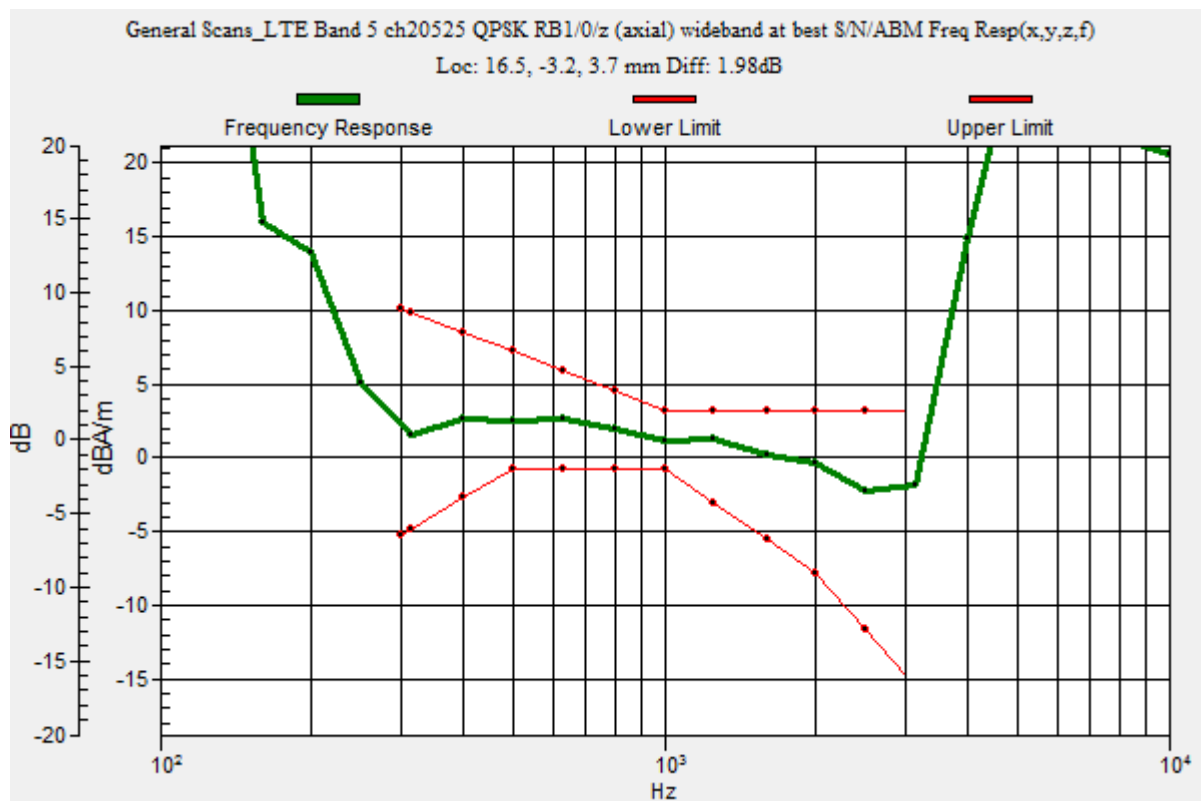
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.98 dB

BWC Factor = 10.80 dB

Location: 16.5, -3.2, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5 ch20525 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.92 dB

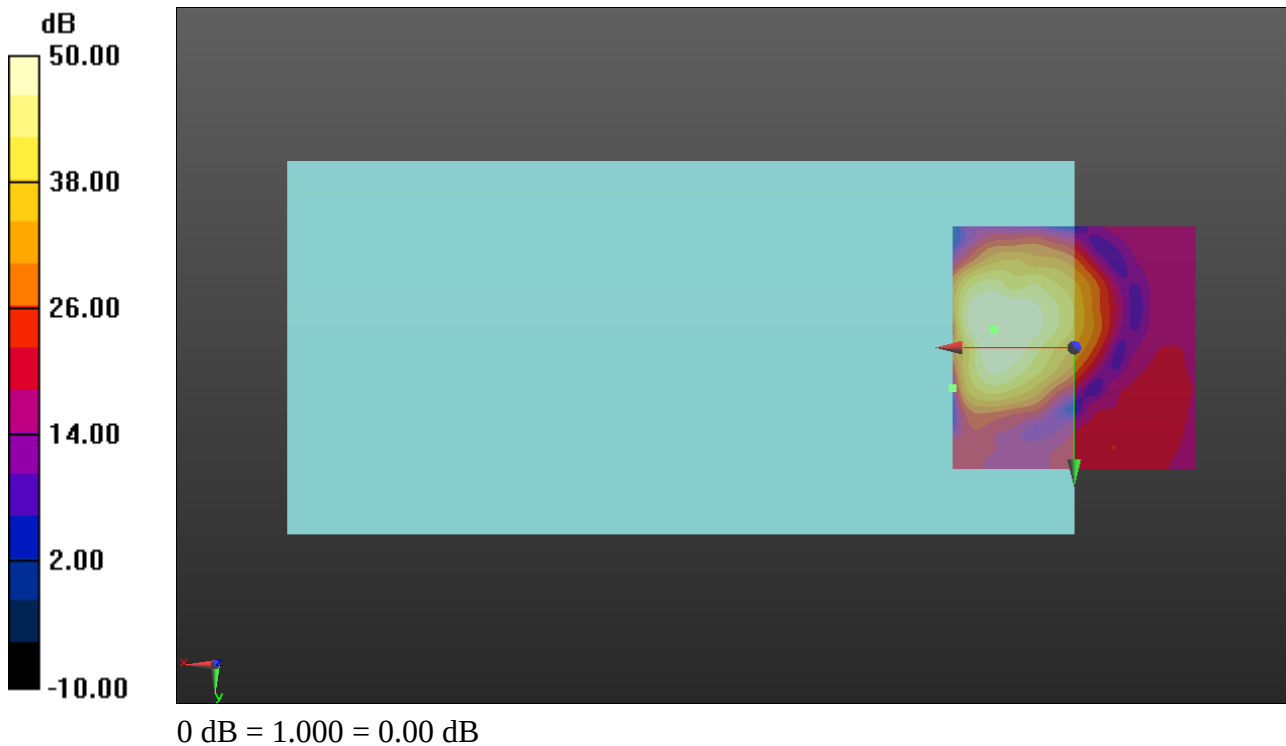
ABM1 comp = 5.26 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -3.8, 3.7 mm

ABM2 = -21.53 dBA/m

Location: 25, 8.3, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5 ch20525 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.54 dB

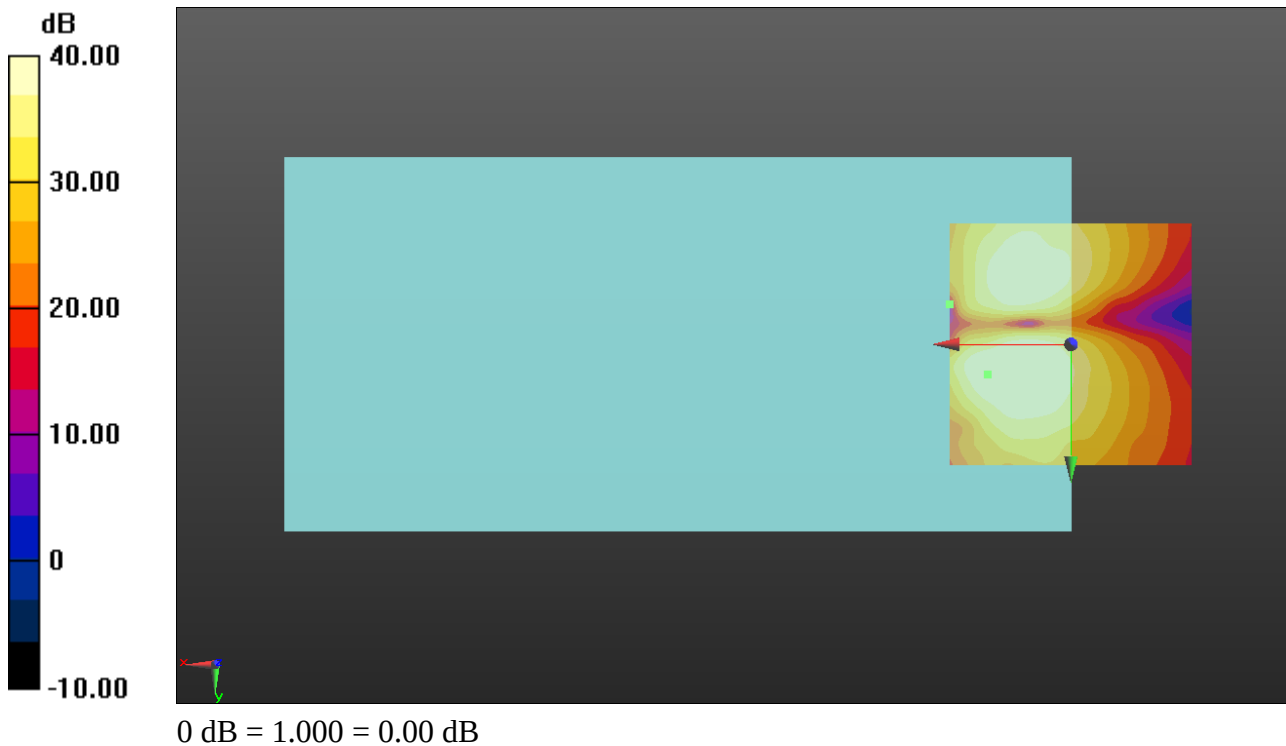
ABM1 comp = -2.52 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, 6.2, 3.7 mm

ABM2 = -18.67 dBA/m

Location: 25, -8.3, 3.7 mm



OTT_LTE FDD

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 ch21100 QPSK RB1/0 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

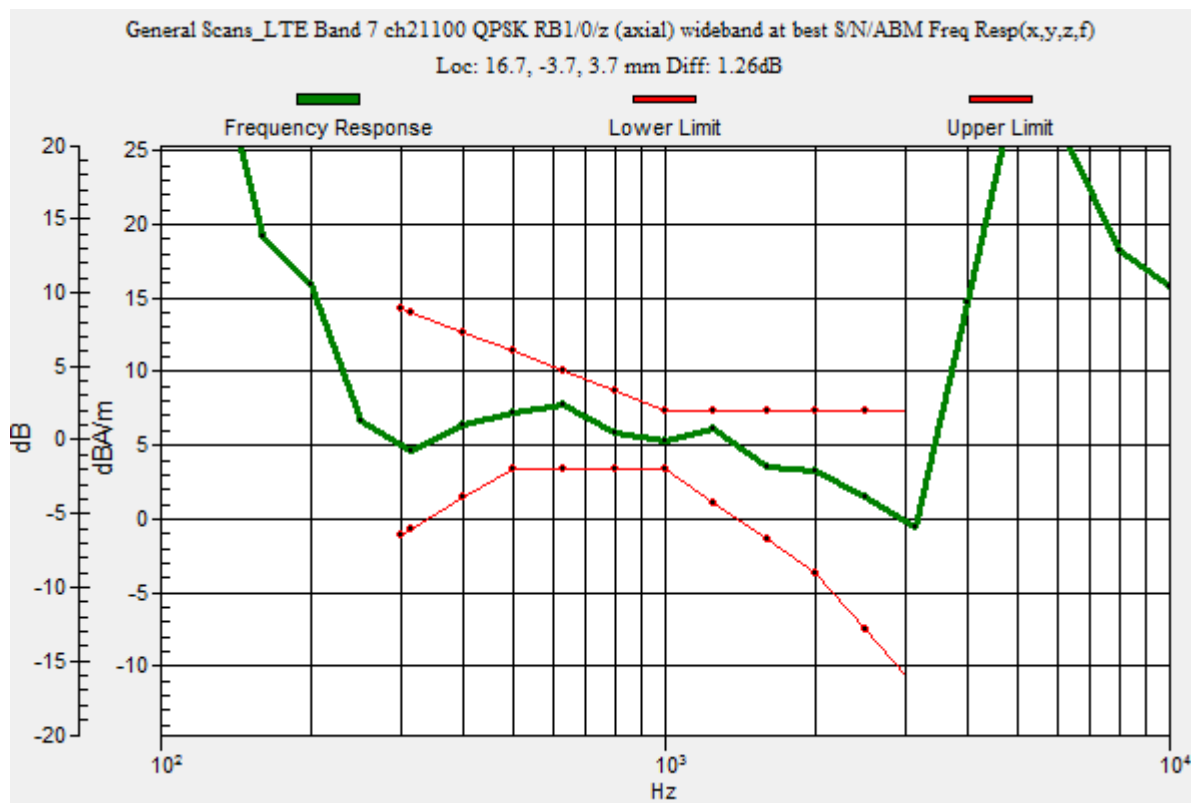
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.26 dB

BWC Factor = 10.80 dB

Location: 16.7, -3.7, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch21100 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.78 dB

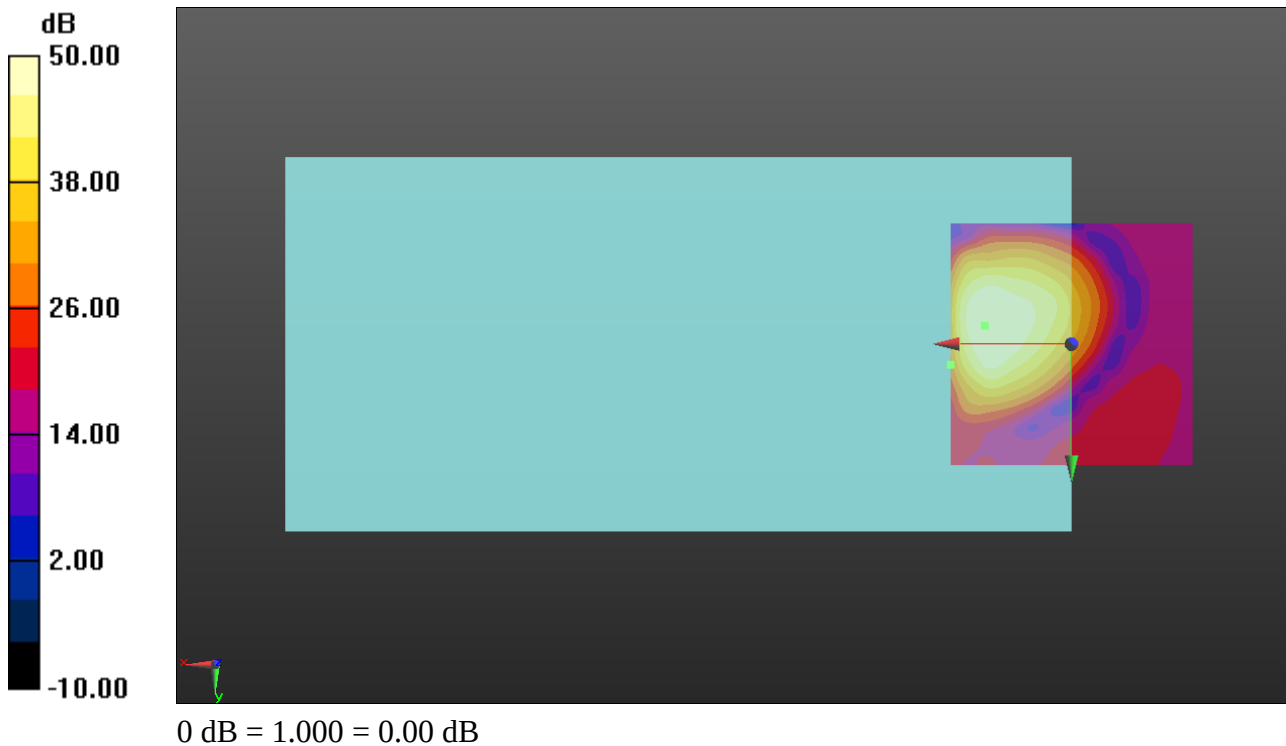
ABM1 comp = 5.11 dBA/m

BWC Factor = 0.16 dB

Location: 17.9, -3.8, 3.7 mm

ABM2 = -32.18 dBA/m

Location: 25, 4.2, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch21100 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.32 dB

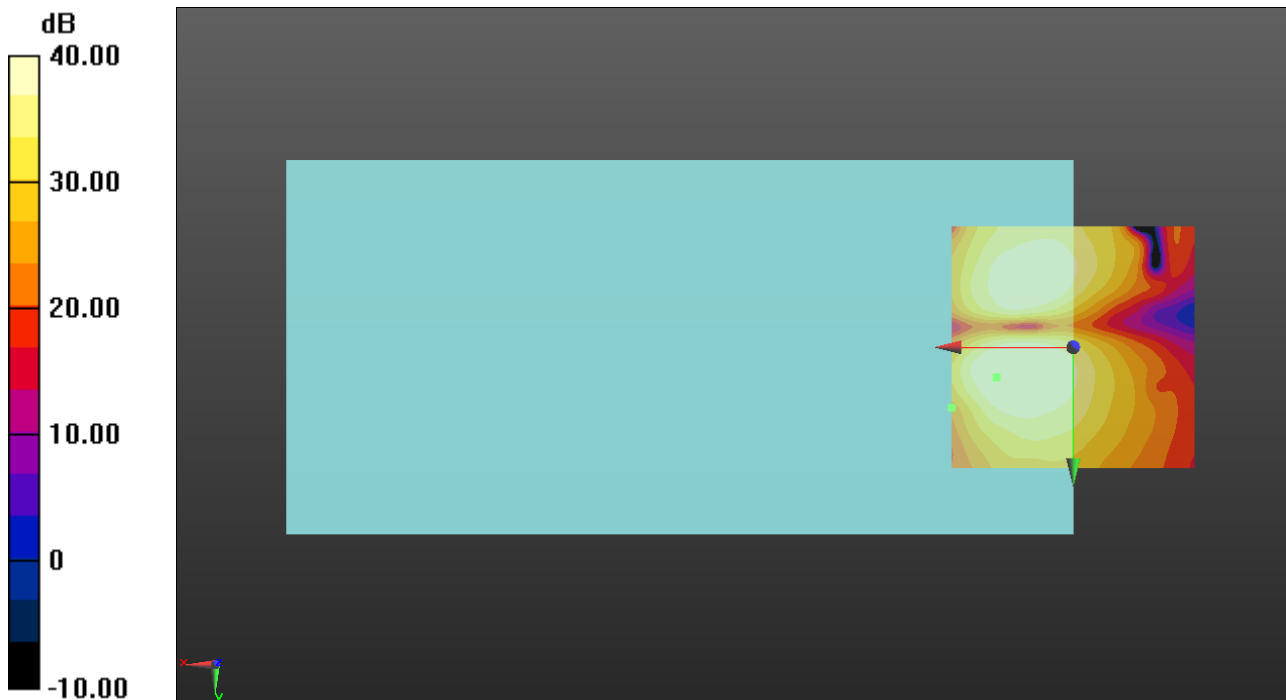
ABM1 comp = -1.94 dBA/m

BWC Factor = 0.16 dB

Location: 15.8, 6.2, 3.7 mm

ABM2 = -31.92 dBA/m

Location: 25, 12.5, 3.7 mm



OTT_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 ch23095 QPSK RB1/0 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

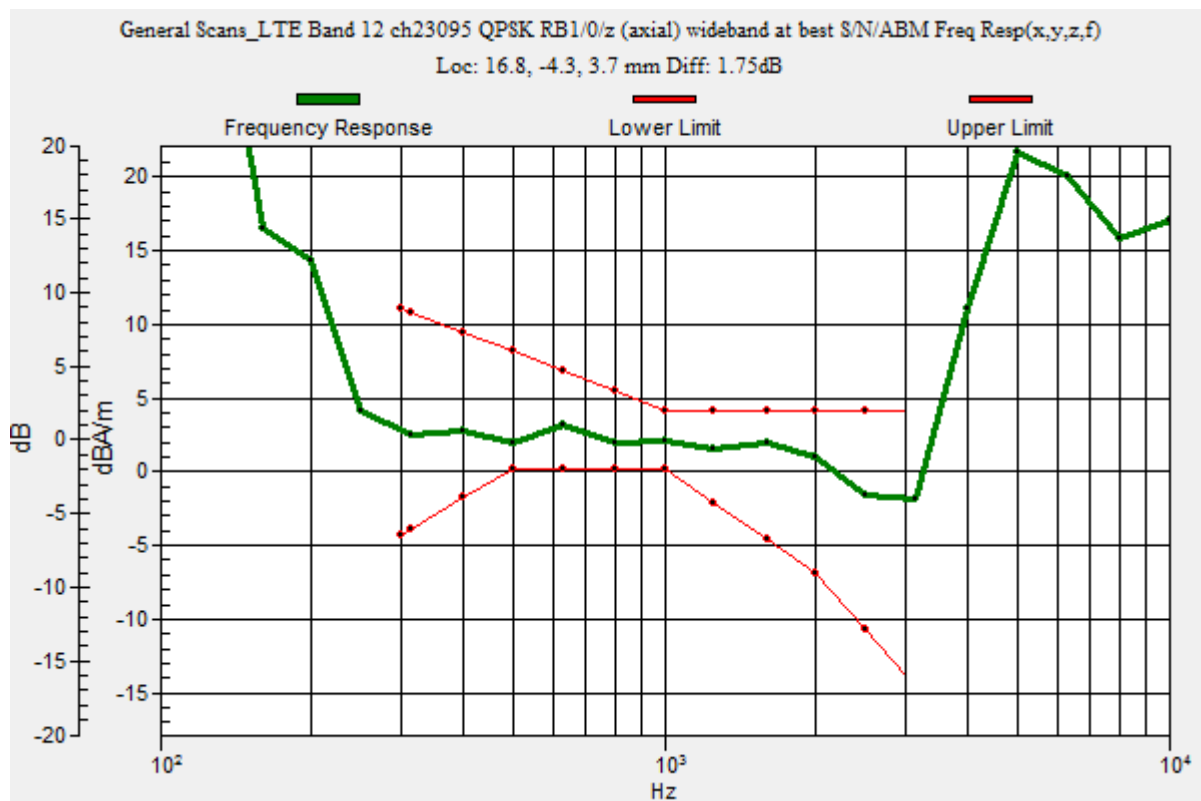
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.75 dB

BWC Factor = 10.80 dB

Location: 16.8, -4.3, 3.7 mm



OTT_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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch23095 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.17 dB

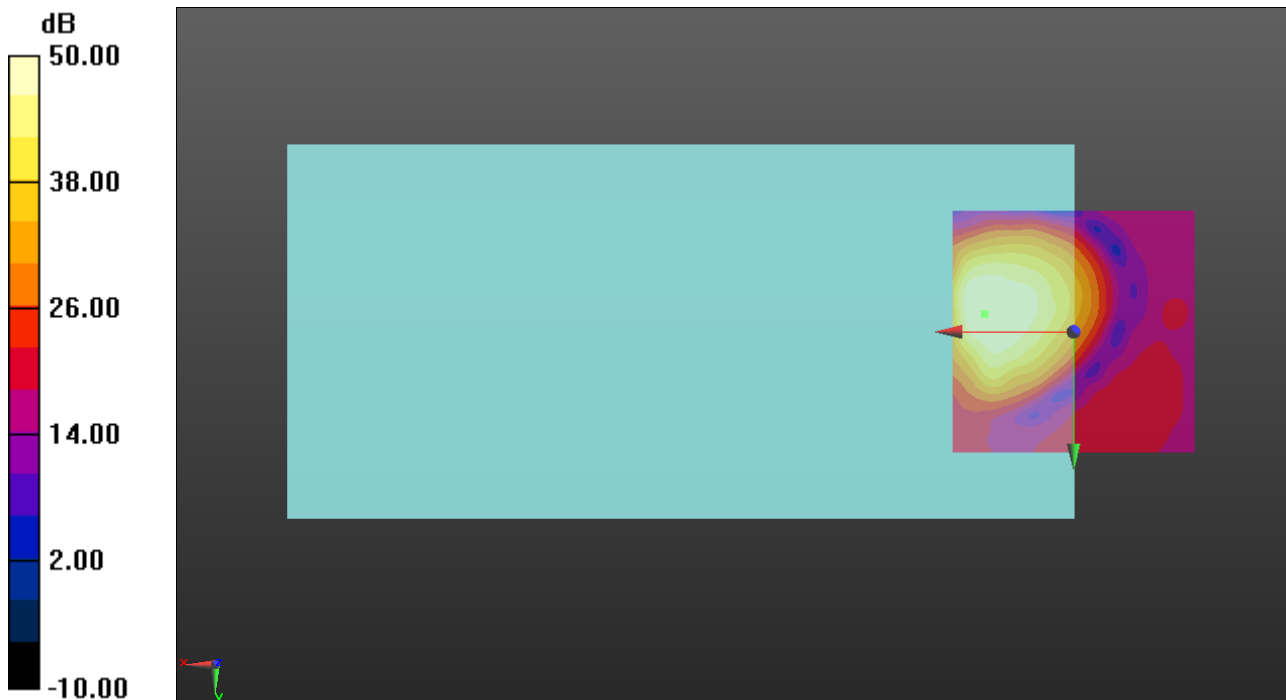
ABM1 comp = 4.95 dBA/m

BWC Factor = 0.16 dB

Location: 18.3, -3.8, 3.7 mm

ABM2 = -33.54 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 ch23095 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 36.28 dB

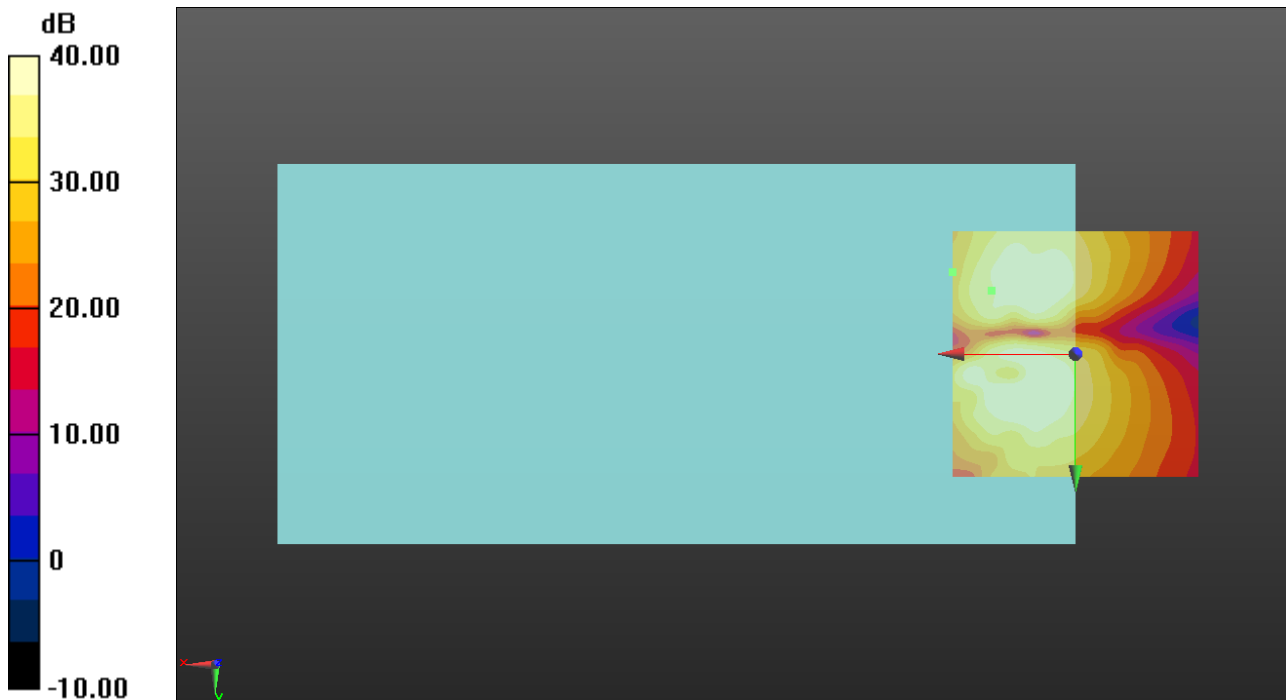
ABM1 comp = -2.83 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, -12.9, 3.7 mm

ABM2 = -33.17 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE FDD

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 ch132322 QPSK RB1/0 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

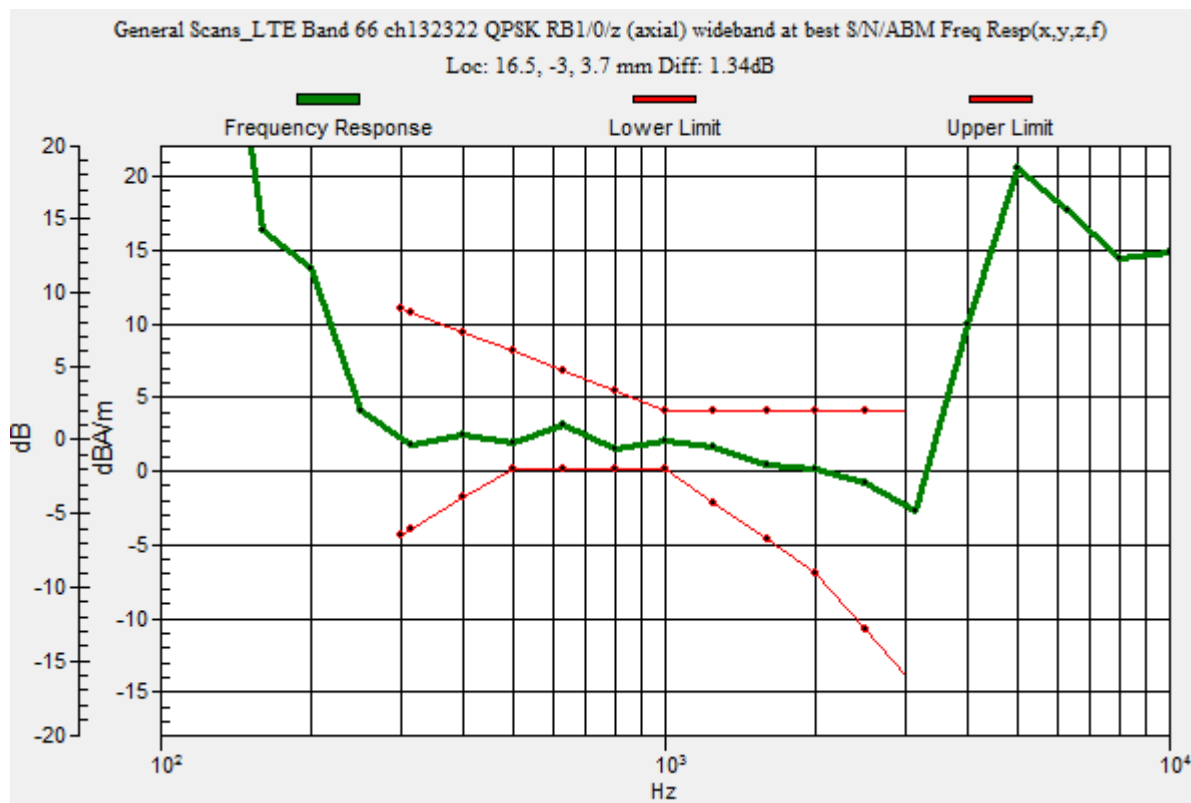
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.34 dB

BWC Factor = 10.80 dB

Location: 16.5, -3, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 ch132322 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.22 dB

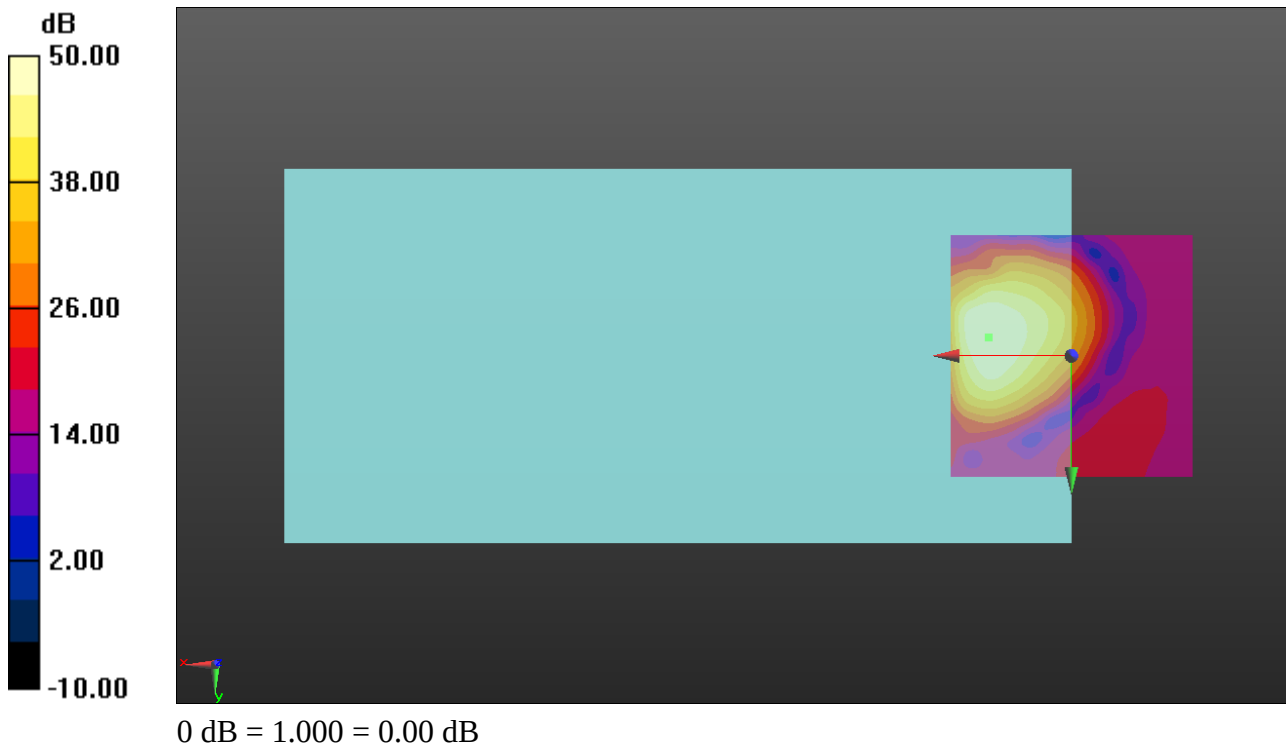
ABM1 comp = 4.83 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, -3.8, 3.7 mm

ABM2 = -31.13 dBA/m

Location: 25, 0, 3.7 mm



OTT_LTE FDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 ch132322 QPSK RB1/0 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.68 dB

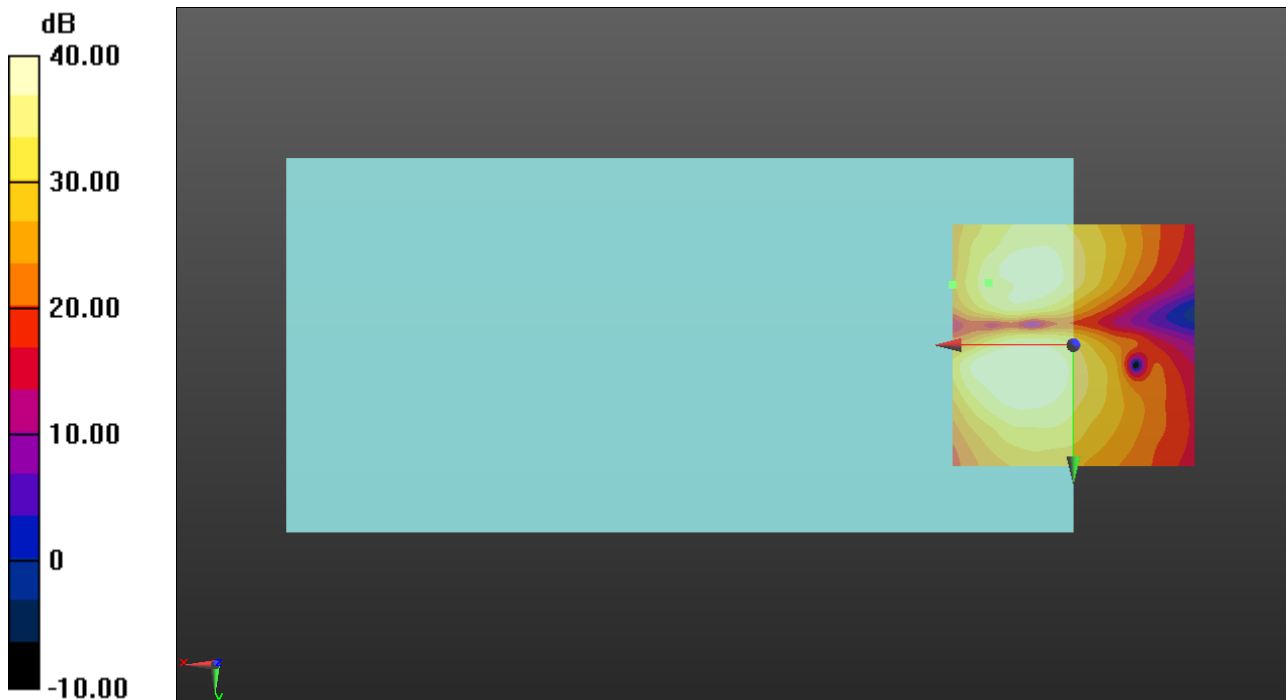
ABM1 comp = -2.96 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, -12.9, 3.7 mm

ABM2 = -31.64 dBA/m

Location: 25, -12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE TDD

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch41055 16QAM RB1/0 codec 64/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

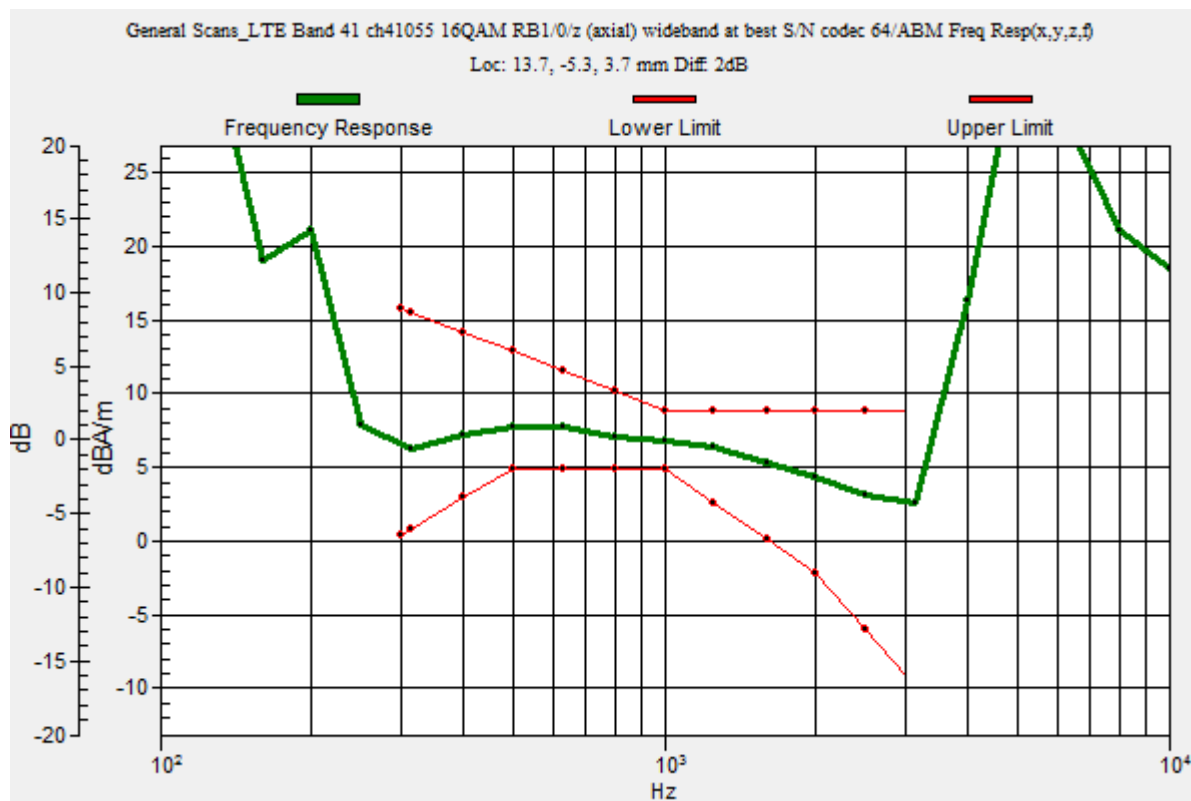
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 13.7, -5.3, 3.7 mm



OTT_LTE TDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch41055 16QAM RB1/0 codec 64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.57 dB

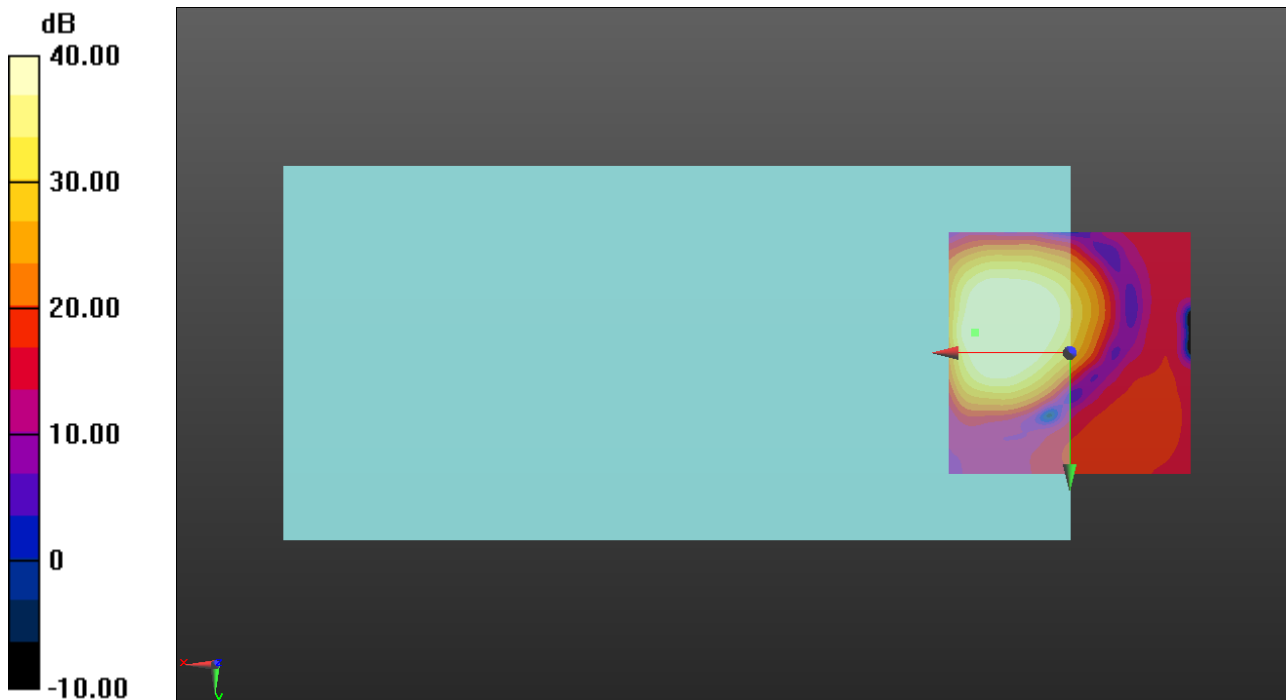
ABM1 comp = 6.83 dBA/m

BWC Factor = 0.16 dB

Location: 19.6, -4.2, 3.7 mm

ABM2 = -25.79 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE TDD

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch41055 16QAM RB1/0 codec 64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.42 dB

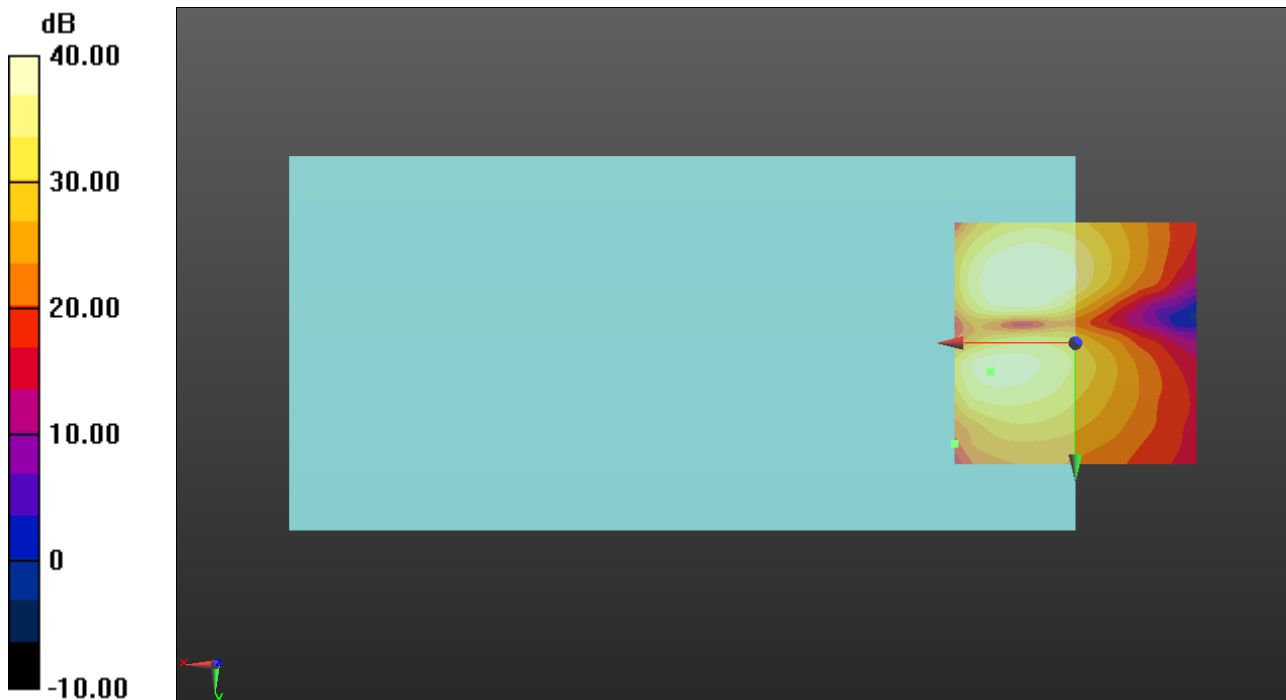
ABM1 comp = -0.13 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, 5.8, 3.7 mm

ABM2 = -31.09 dBA/m

Location: 25, 20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

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)/11g ch6 54Mbps codec 64/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

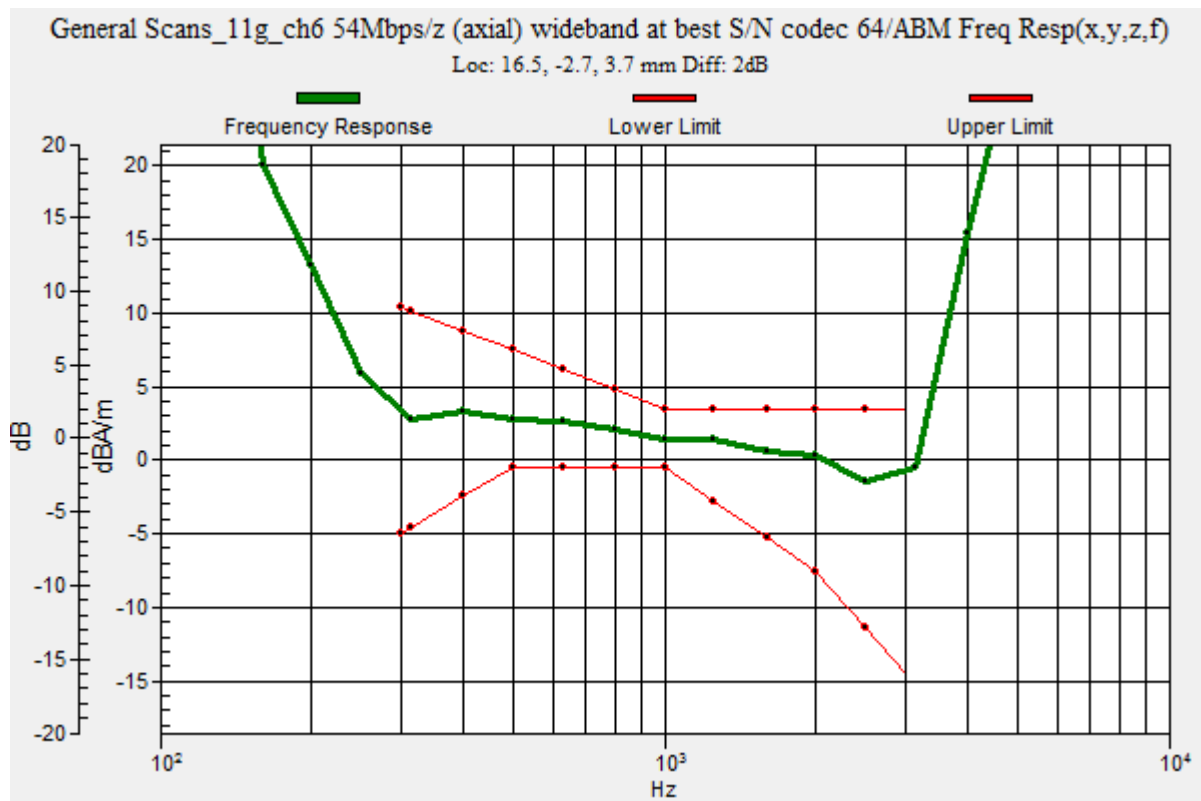
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 16.5, -2.7, 3.7 mm



OTT_WiFi

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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11g ch6 54Mbps codec 64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 50.98 dB

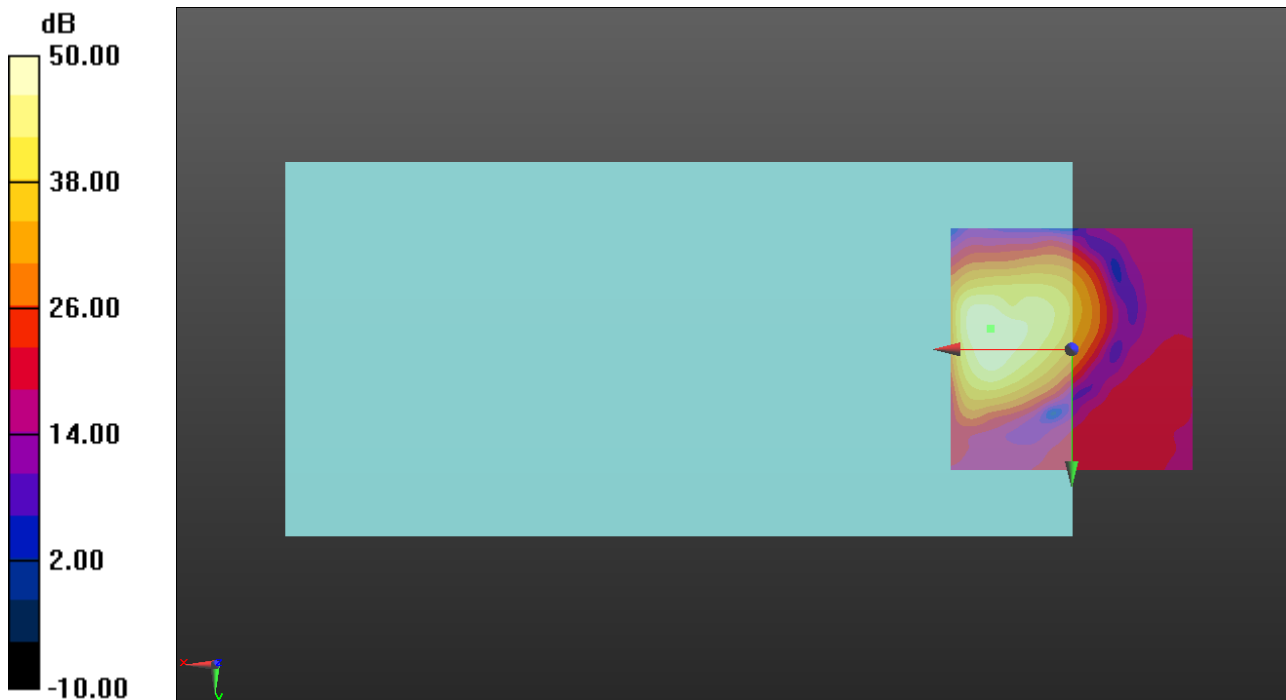
ABM1 comp = 5.76 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -30.26 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

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 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11g ch6 54Mbps codec 64/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.18 dB

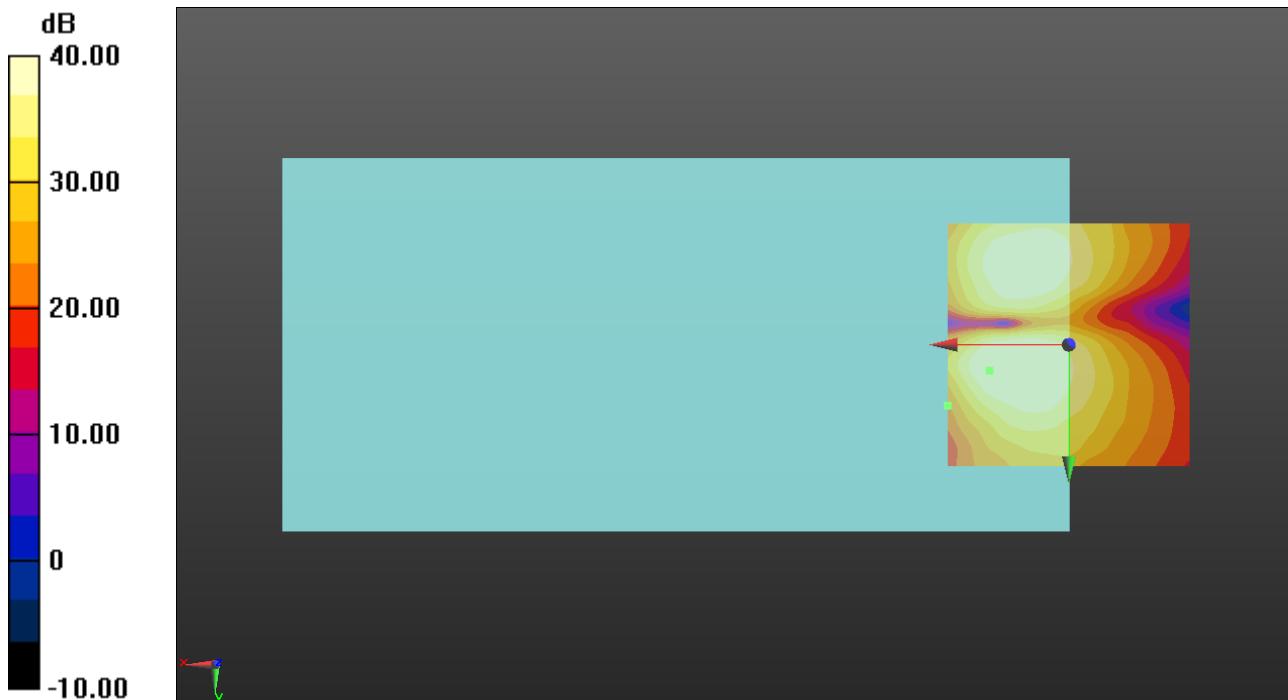
ABM1 comp = -1.73 dBA/m

BWC Factor = 0.16 dB

Location: 16.3, 5.4, 3.7 mm

ABM2 = -31.31 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch40 MCS 7 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

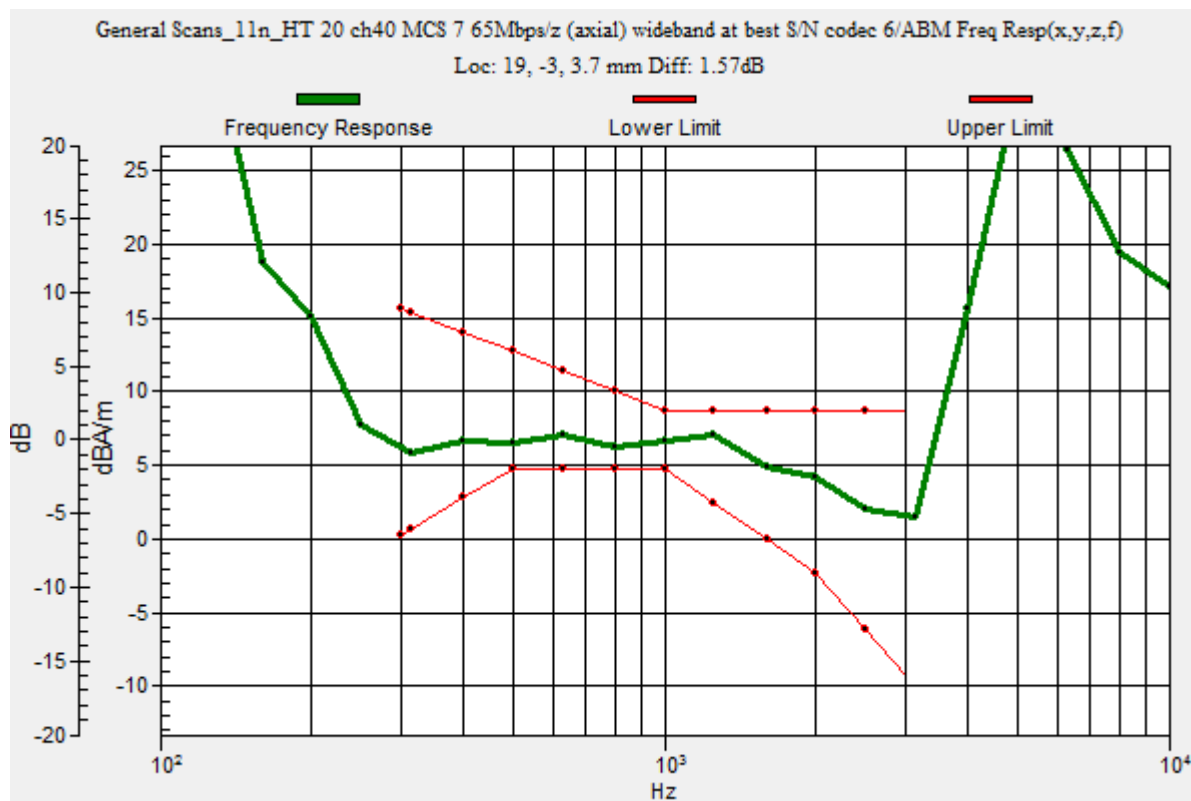
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.57 dB

BWC Factor = 10.80 dB

Location: 19, -3, 3.7 mm



OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch40 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 47.69 dB

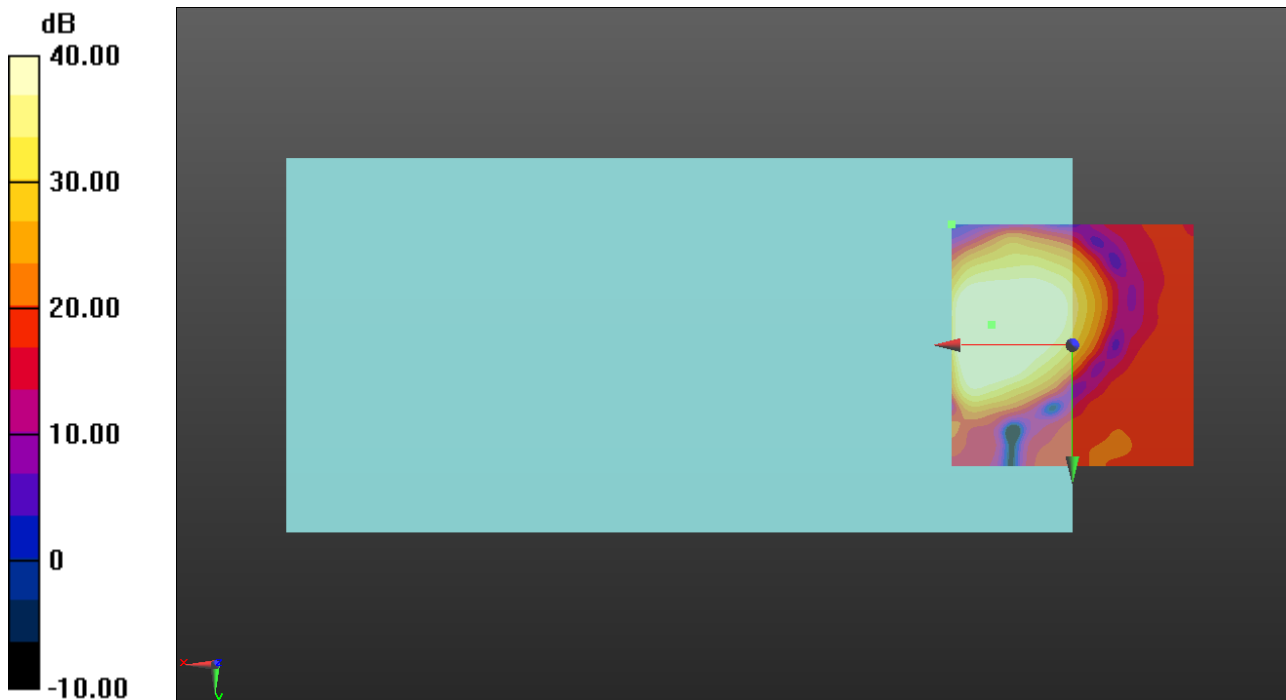
ABM1 comp = 6.43 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -27.27 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch40 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 39.16 dB

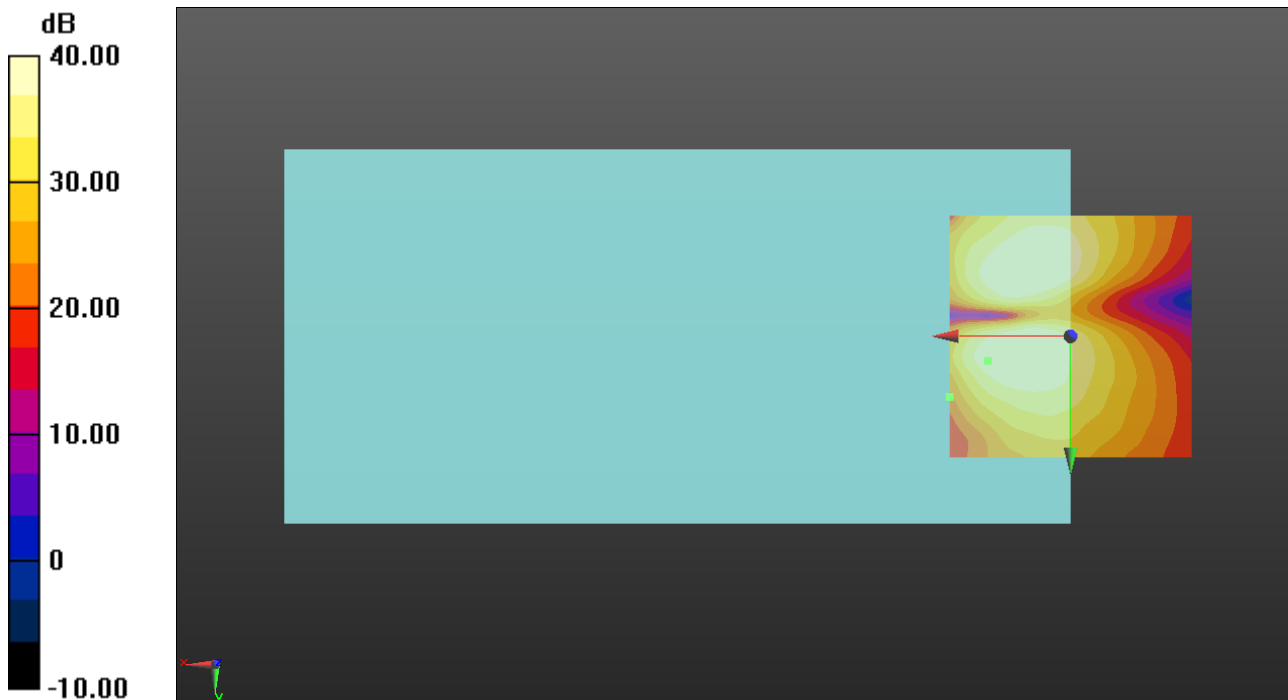
ABM1 comp = -0.95 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, 5, 3.7 mm

ABM2 = -29.29 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch56 MCS 7 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

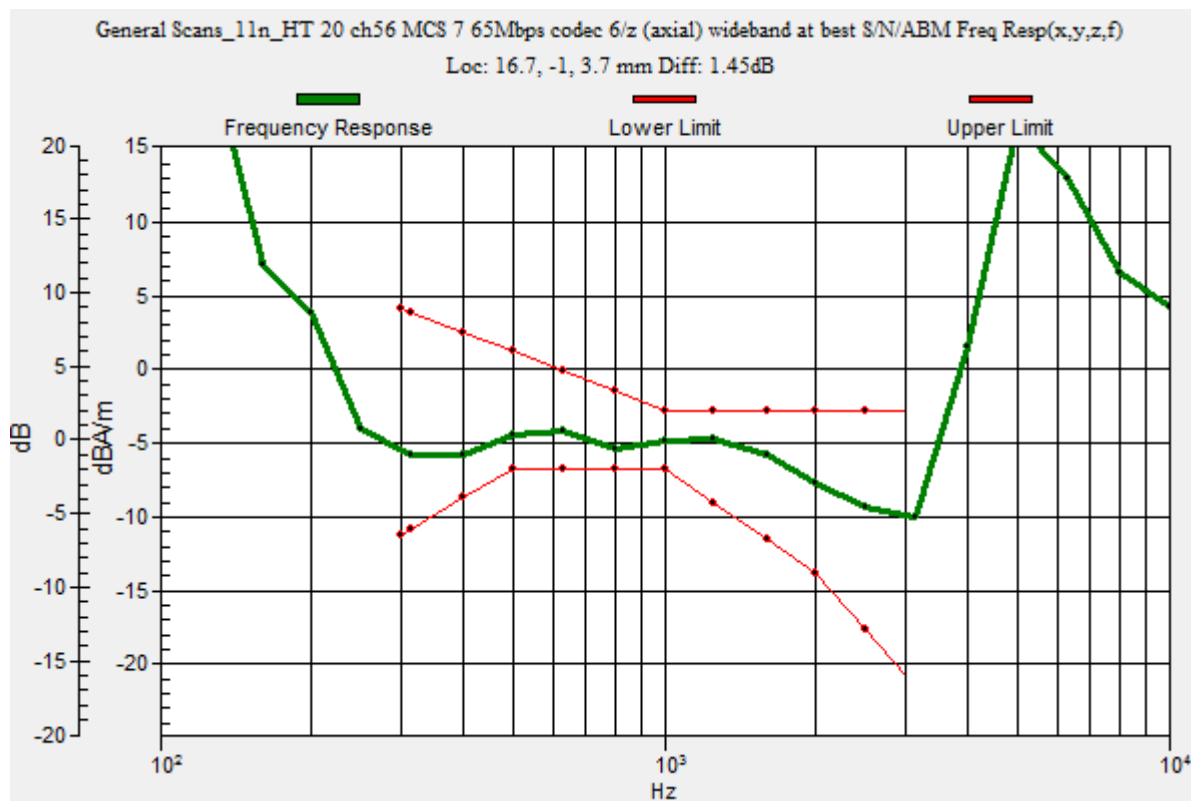
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.45 dB

BWC Factor = 0.16 dB

Location: 16.7, -1, 3.7 mm



OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch56 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.22 dB

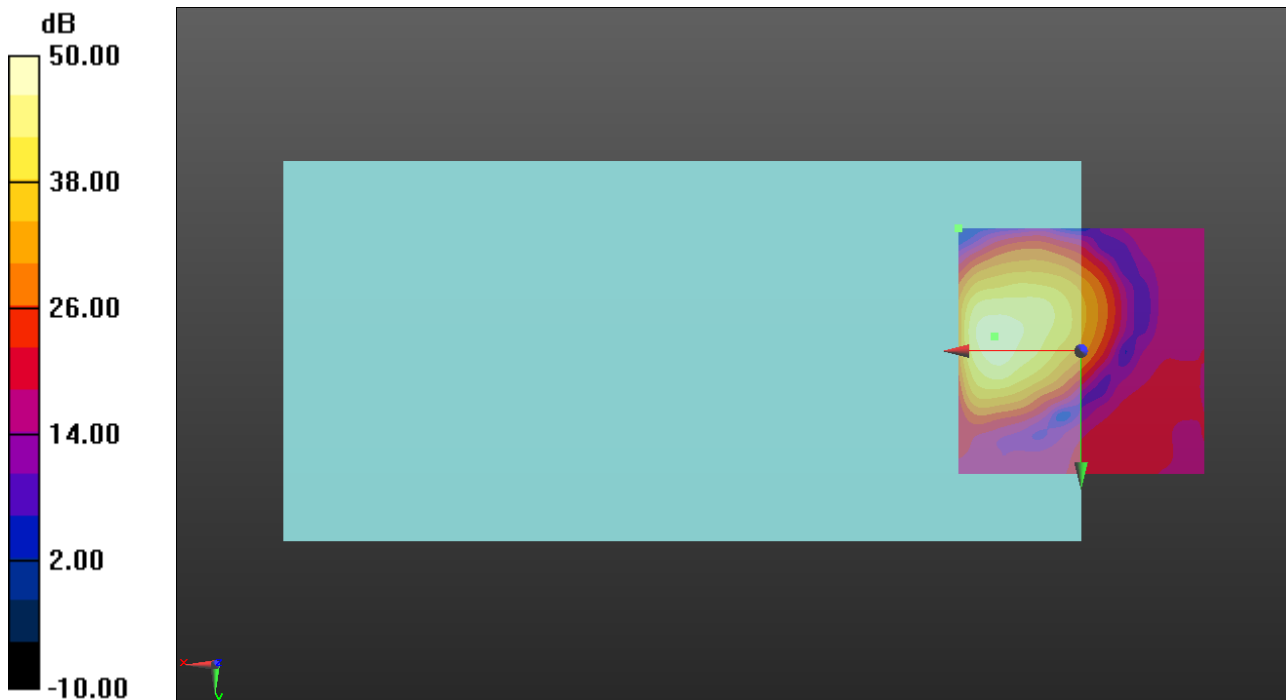
ABM1 comp = 5.75 dBA/m

BWC Factor = 0.16 dB

Location: 17.5, -2.9, 3.7 mm

ABM2 = -28.53 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch56 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.56 dB

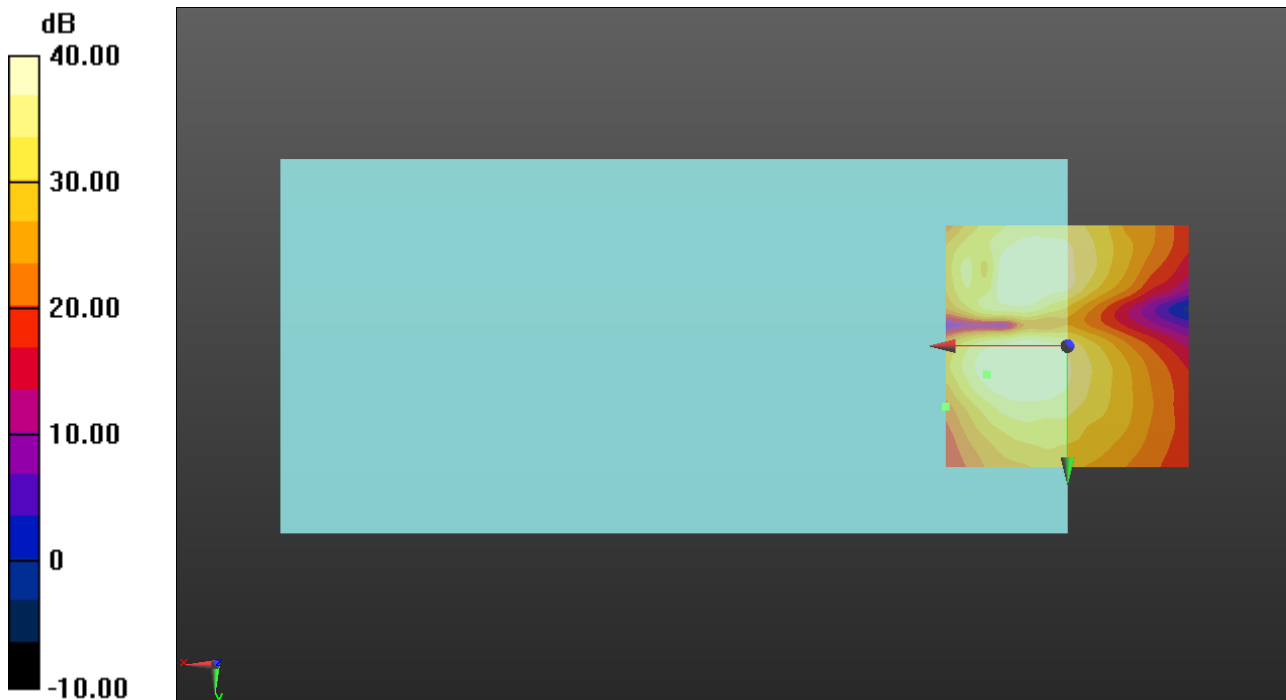
ABM1 comp = -1.18 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, 5.8, 3.7 mm

ABM2 = -28.83 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch120 MCS 7 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

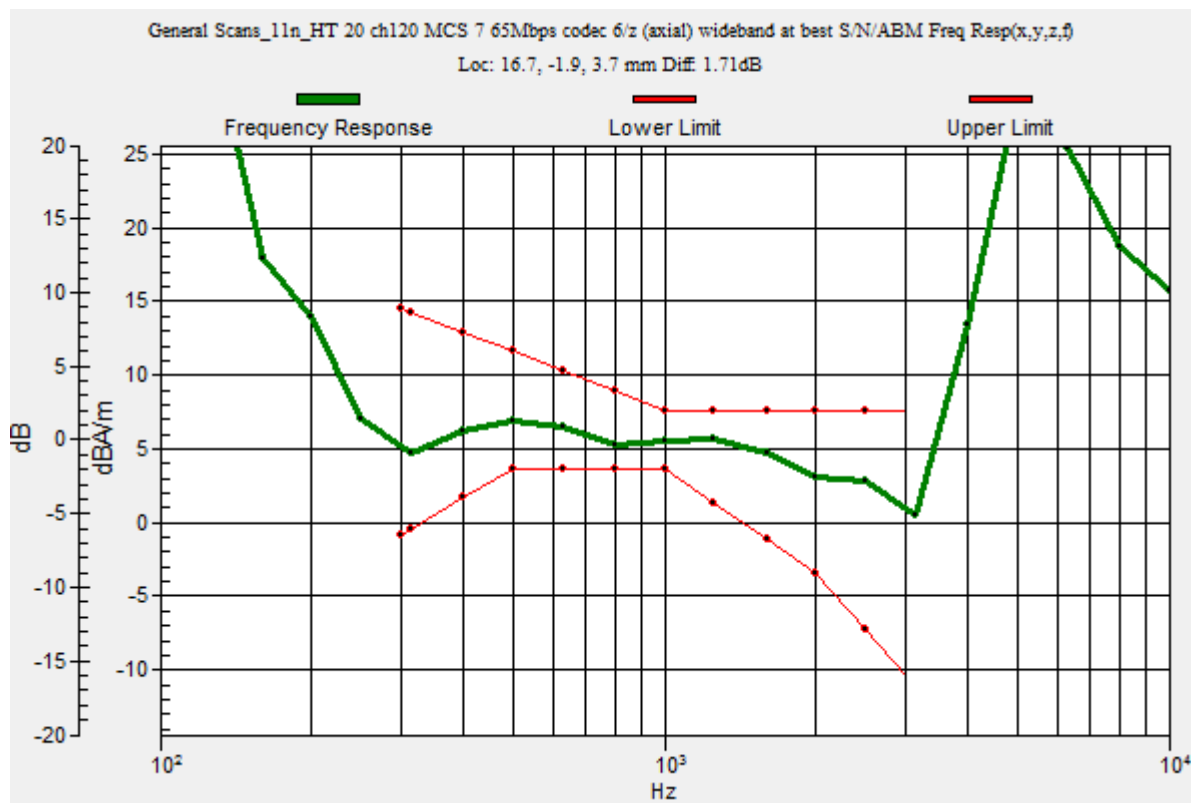
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.71 dB

BWC Factor = 10.80 dB

Location: 16.7, -1.9, 3.7 mm



OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch120 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.54 dB

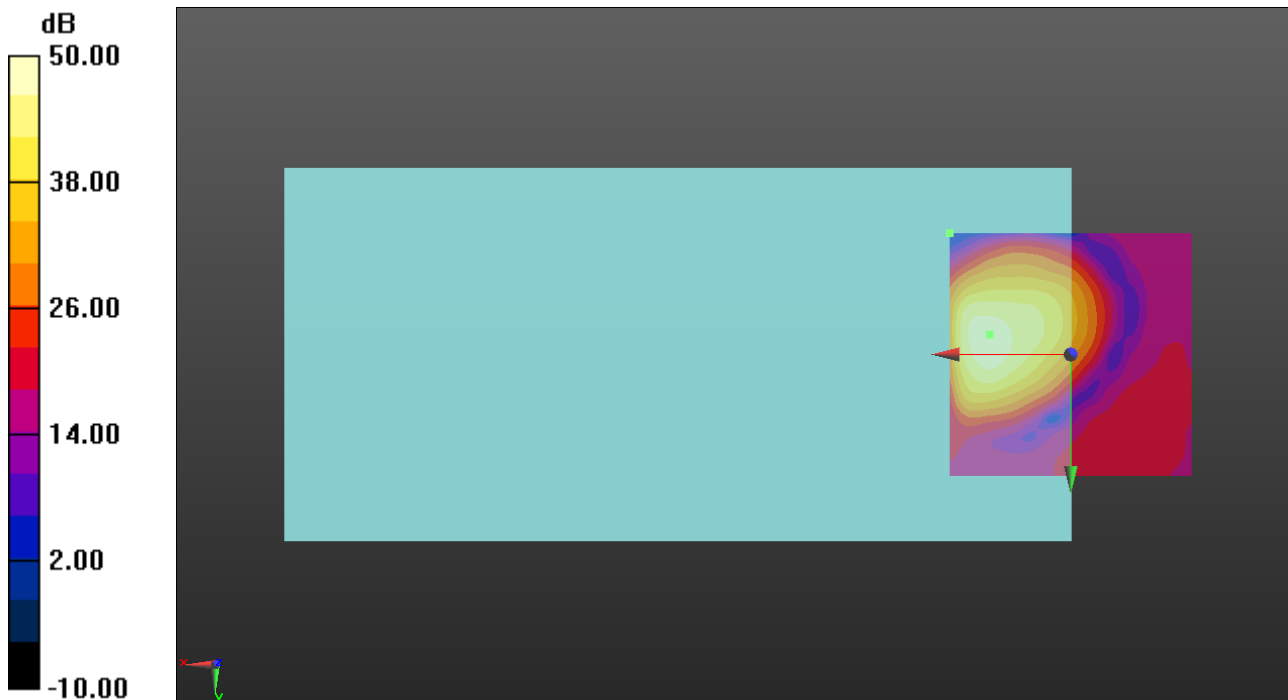
ABM1 comp = 6.14 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -28.89 dBA/m

Location: 25, -25, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch120 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 38.24 dB

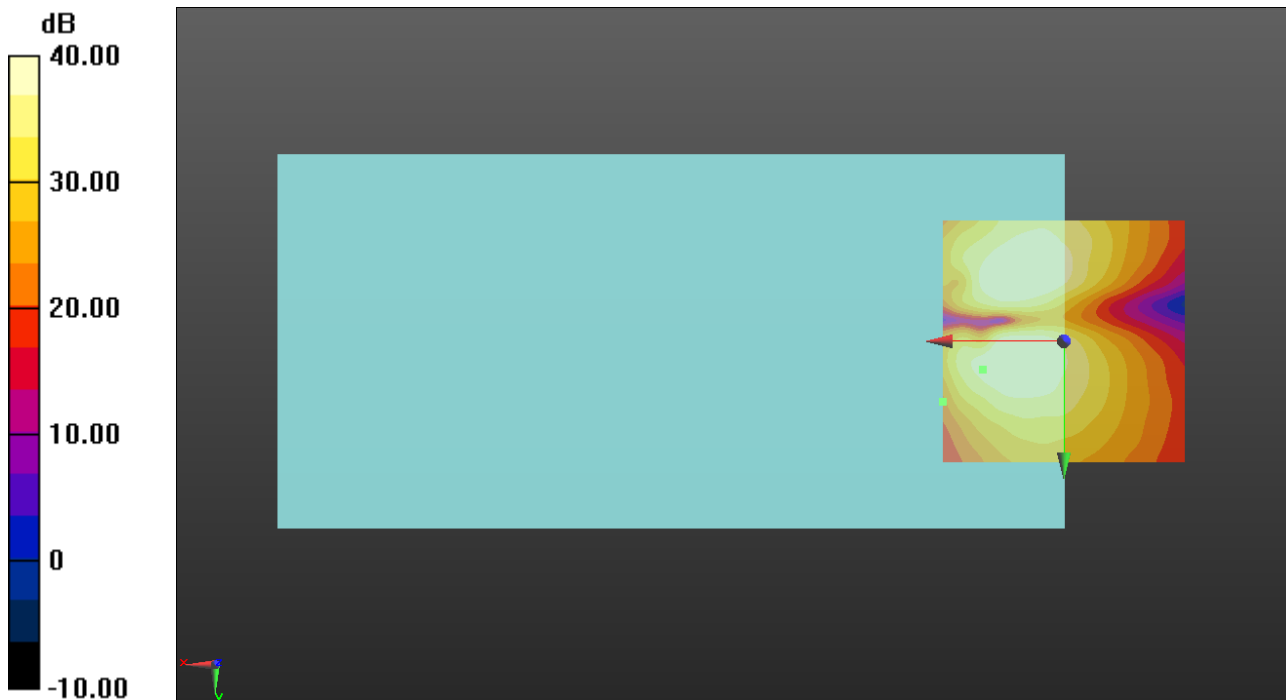
ABM1 comp = -1.21 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, 5.8, 3.7 mm

ABM2 = -29.57 dBA/m

Location: 25, 12.5, 3.7 mm



OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch157 MCS 7 codec 6/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: 40.3

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

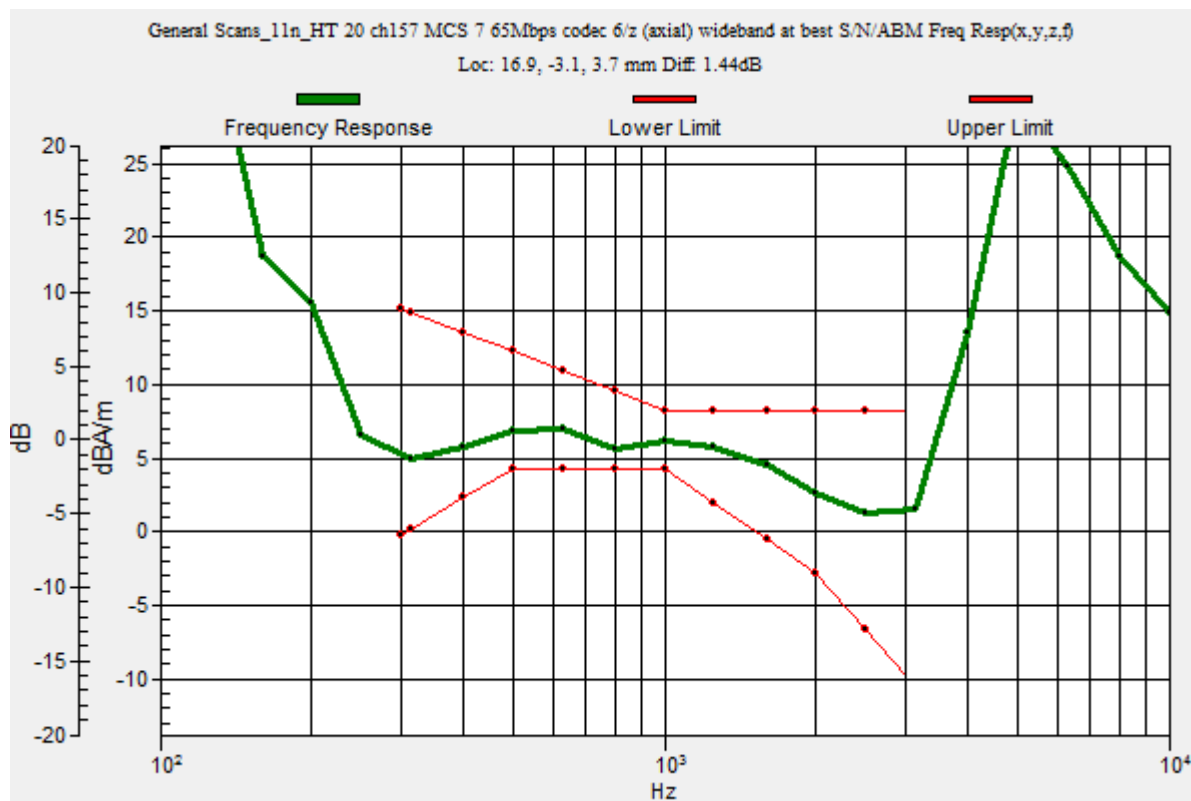
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.44 dB

BWC Factor = 10.80 dB

Location: 16.9, -3.1, 3.7 mm



OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch157 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 48.93 dB

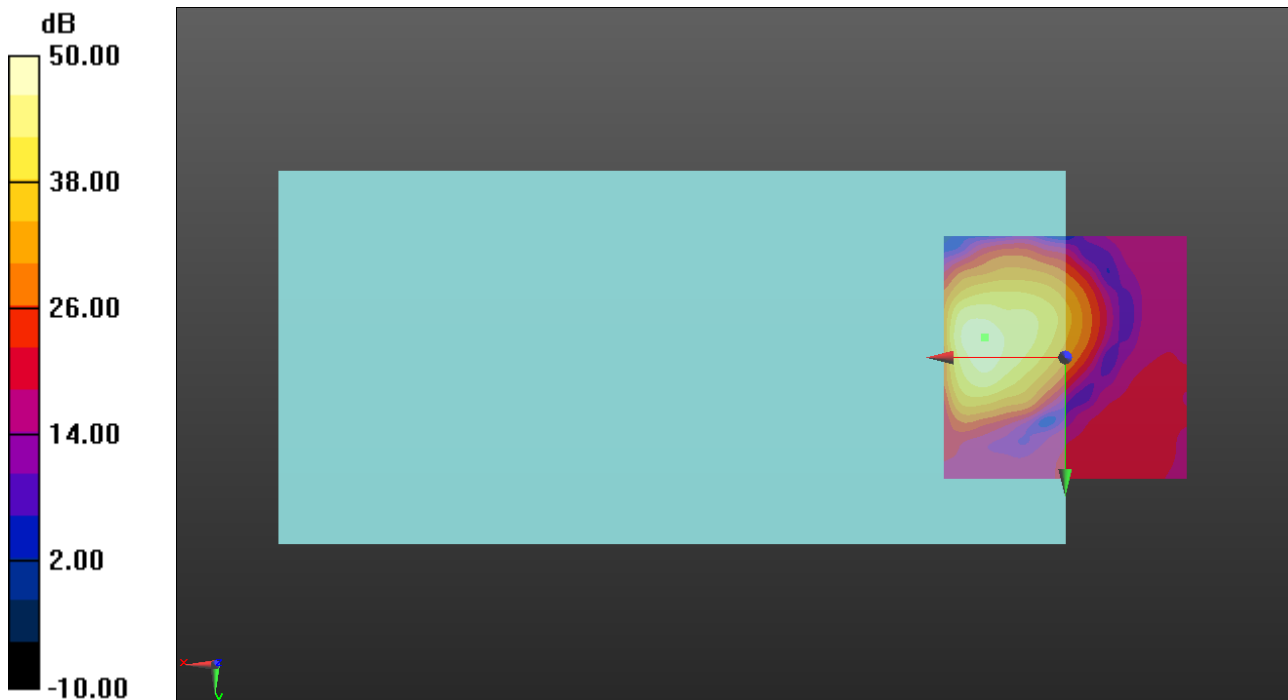
ABM1 comp = 6.28 dBA/m

BWC Factor = 0.16 dB

Location: 16.7, -4.2, 3.7 mm

ABM2 = -27.27 dBA/m

Location: 25, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_WiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1494; Calibrated: 2018-07-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/11n HT20 ch157 MCS 7 codec 6/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: 20.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 37.69 dB

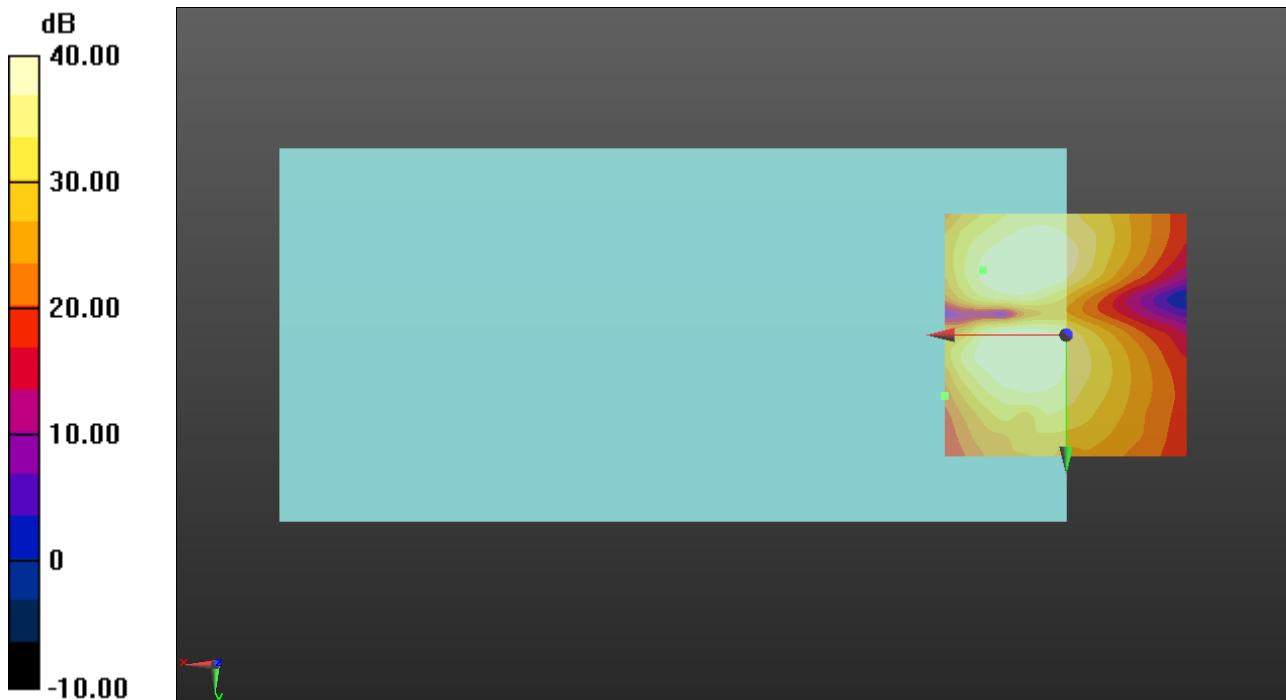
ABM1 comp = -1.27 dBA/m

BWC Factor = 0.16 dB

Location: 17.1, -13.3, 3.7 mm

ABM2 = -28.72 dBA/m

Location: 25, 12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB