

GSM850

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 ch190 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: 47.7

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

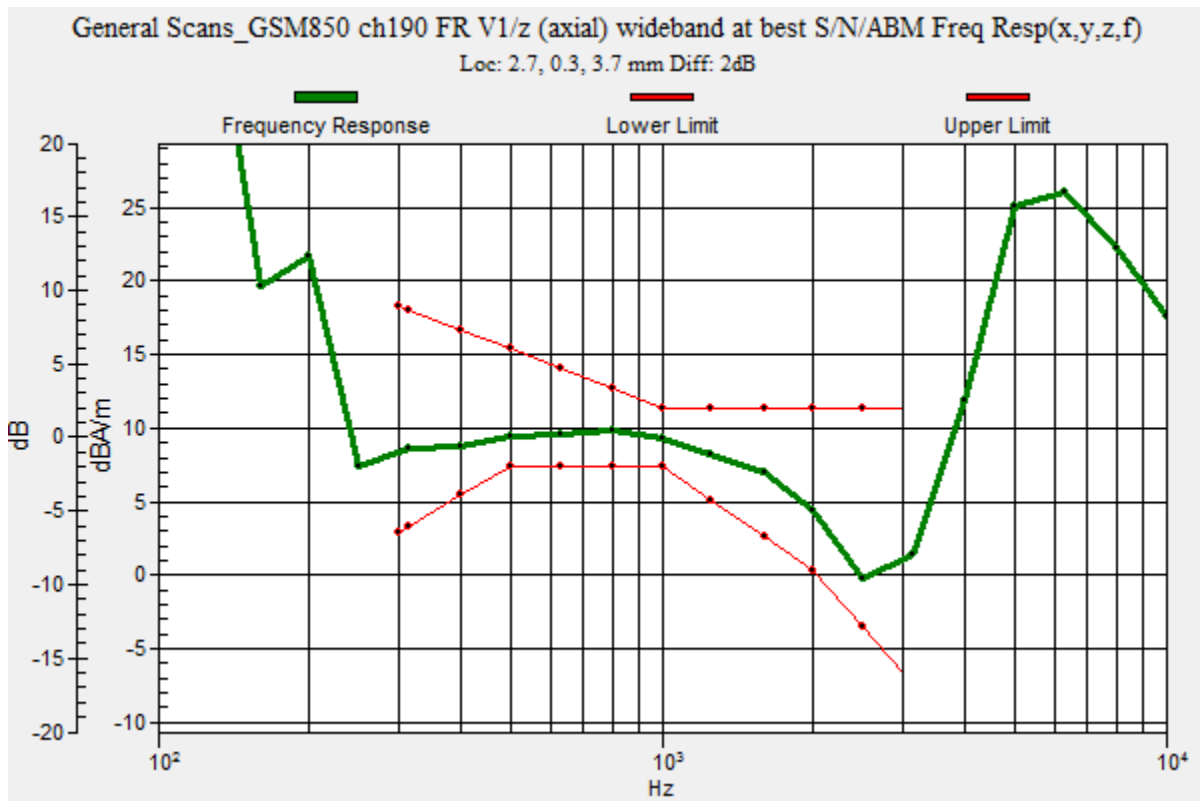
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 2.7, 0.3, 3.7 mm



GSM850

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 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 Sn1447; Calibrated: 2018-03-15
- 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 ch190 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: 24.32

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

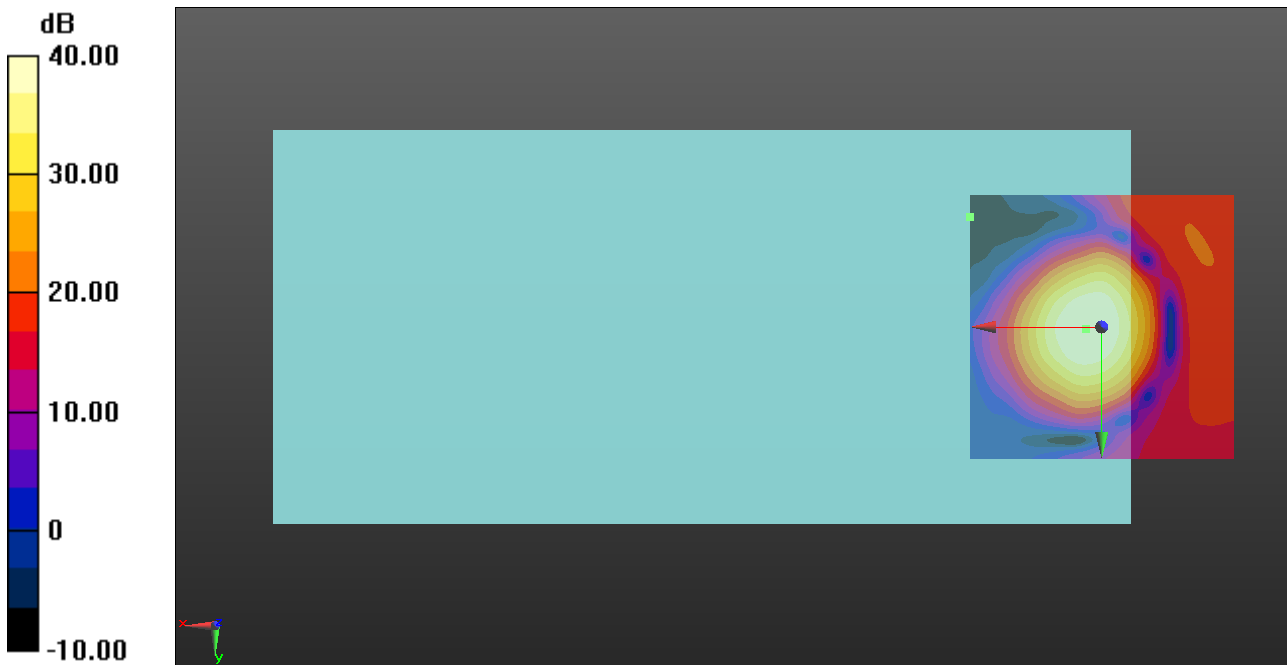
ABM1 comp = 8.40 dBA/m

BWC Factor = 0.16 dB

Location: 2.9, 0.4, 3.7 mm

ABM2 = -2.50 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM850

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 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 Sn1447; Calibrated: 2018-03-15
- 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 ch190 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: 24.32

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

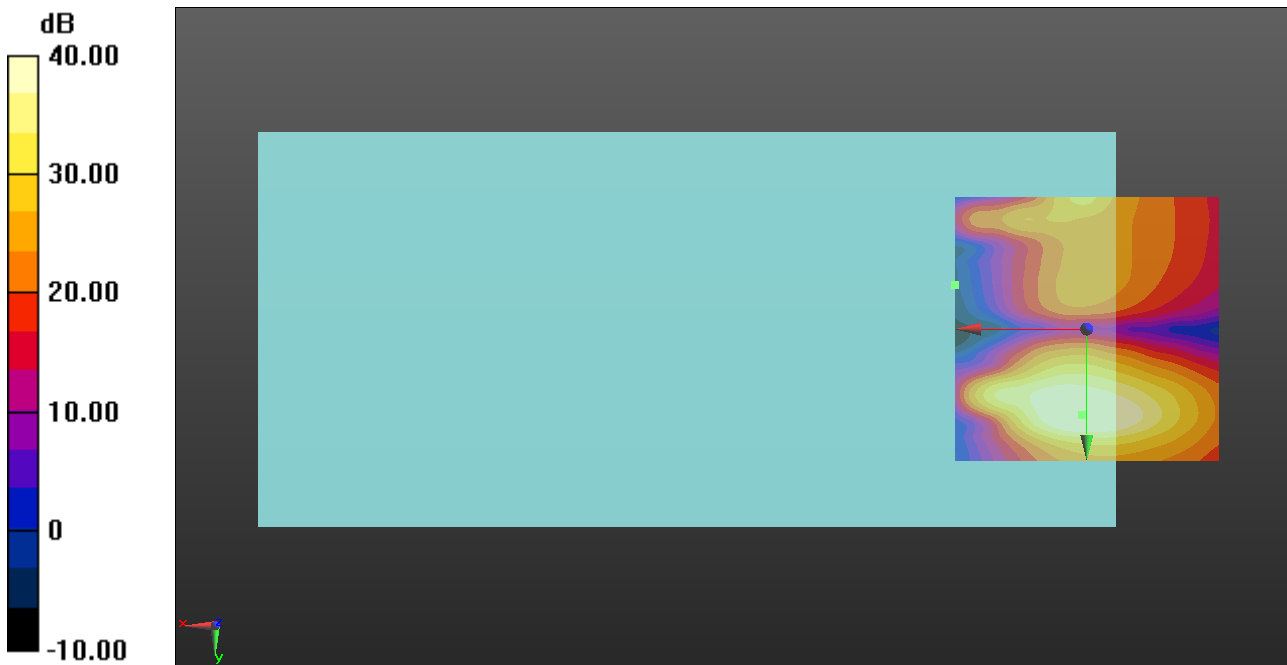
ABM1 comp = -3.66 dBA/m

BWC Factor = 0.16 dB

Location: 0.8, 16.2, 3.7 mm

ABM2 = -5.60 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

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: 47.7

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

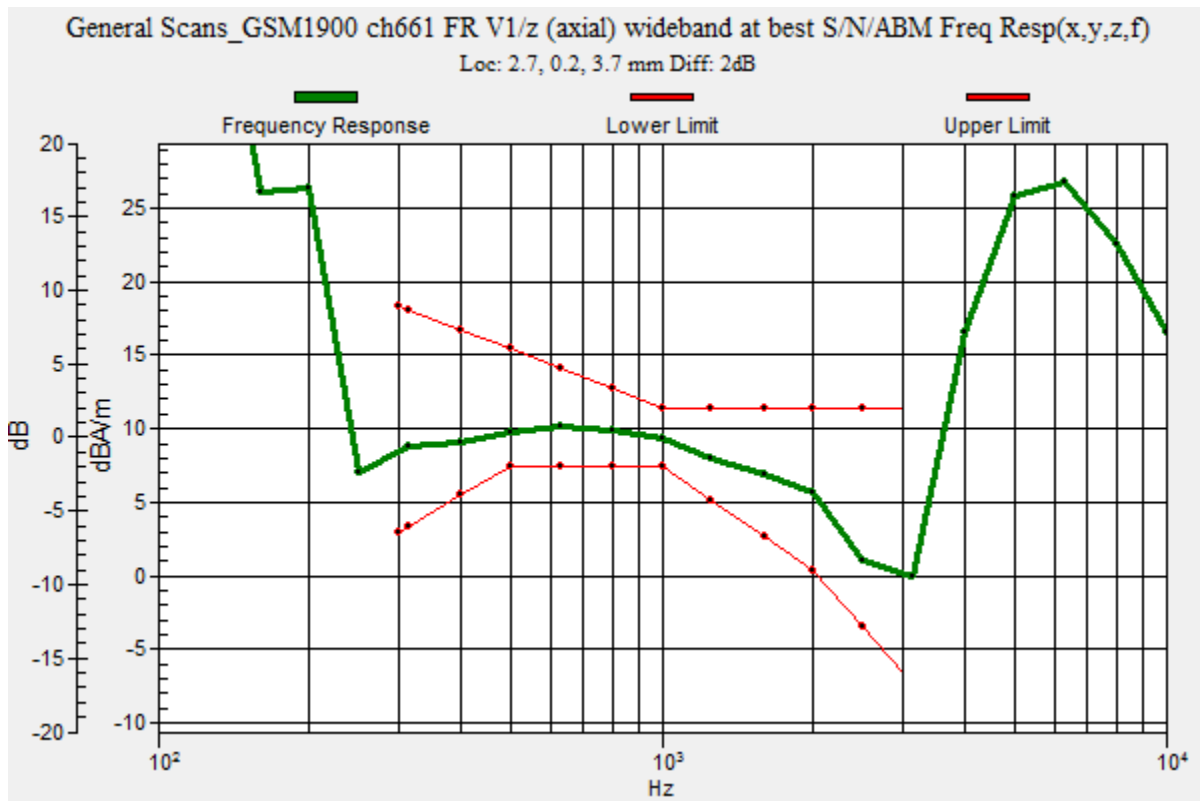
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 2.7, 0.2, 3.7 mm



GSM1900

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 Sn1447; Calibrated: 2018-03-15
- 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: 24.32

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.40 dB

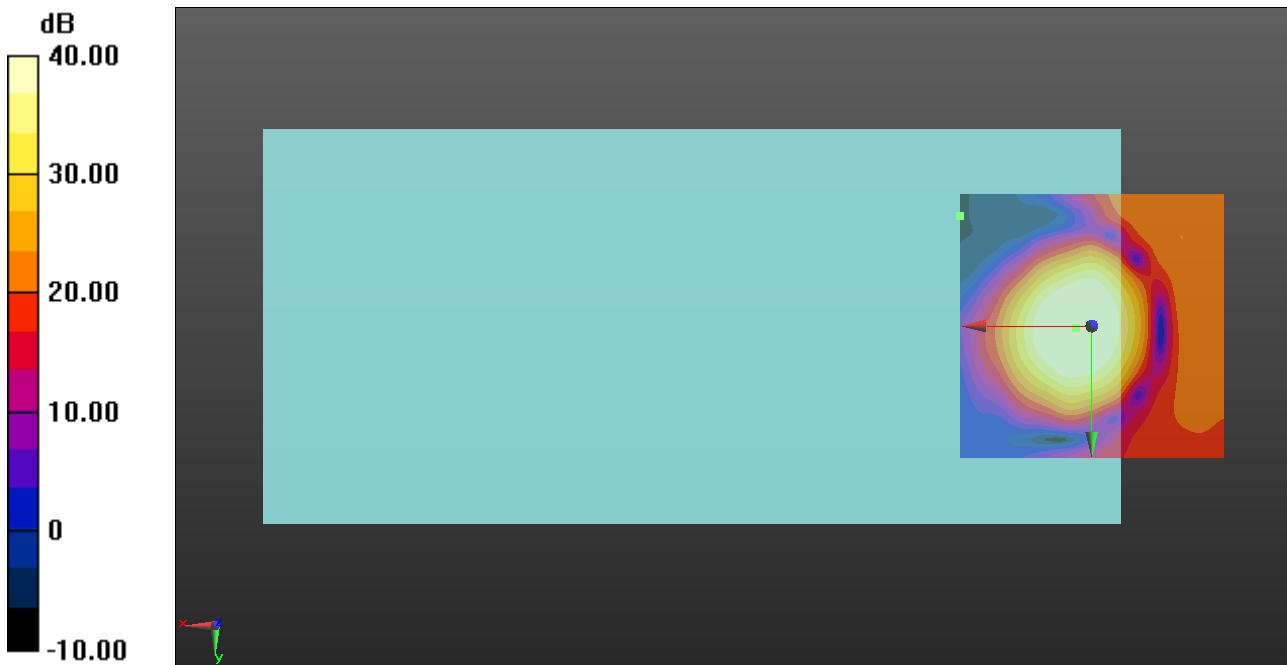
ABM1 comp = 8.29 dBA/m

BWC Factor = 0.16 dB

Location: 2.9, 0.4, 3.7 mm

ABM2 = -6.42 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

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 Sn1447; Calibrated: 2018-03-15
- 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: 24.32

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.81 dB

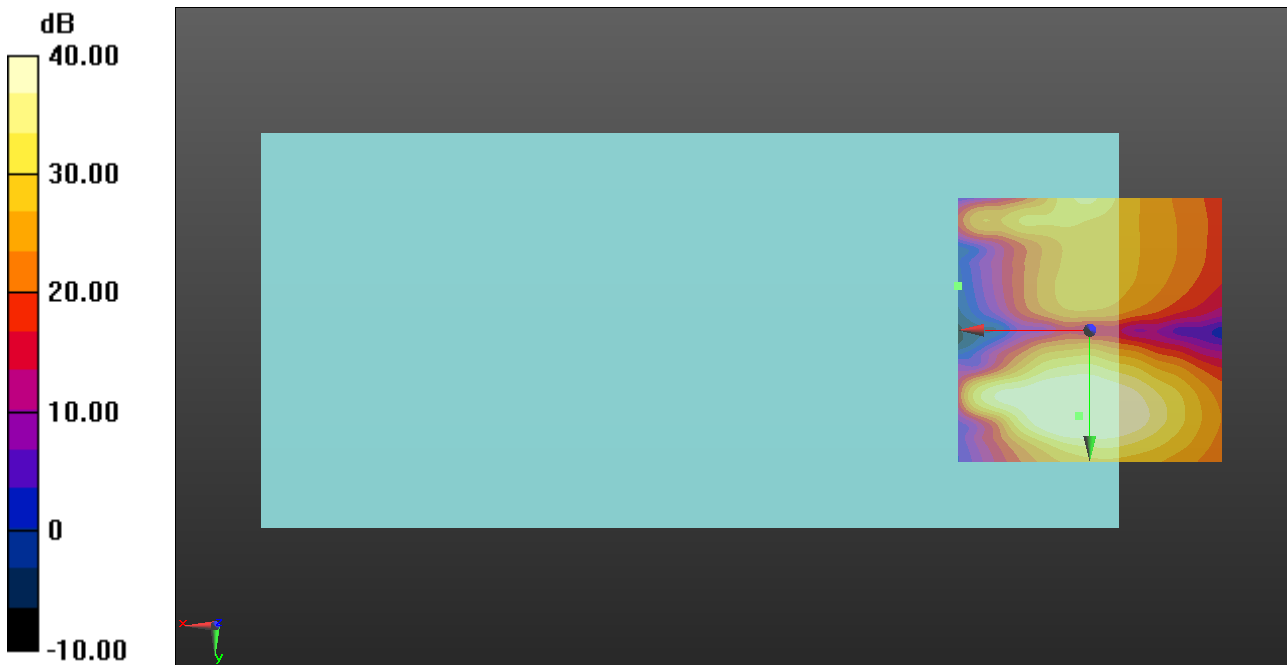
ABM1 comp = -2.74 dBA/m

BWC Factor = 0.16 dB

Location: 2.1, 16.2, 3.7 mm

ABM2 = -9.57 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band II ch9262 WB-AMR 6.6kbps/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

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

Output Gain: 47.64

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

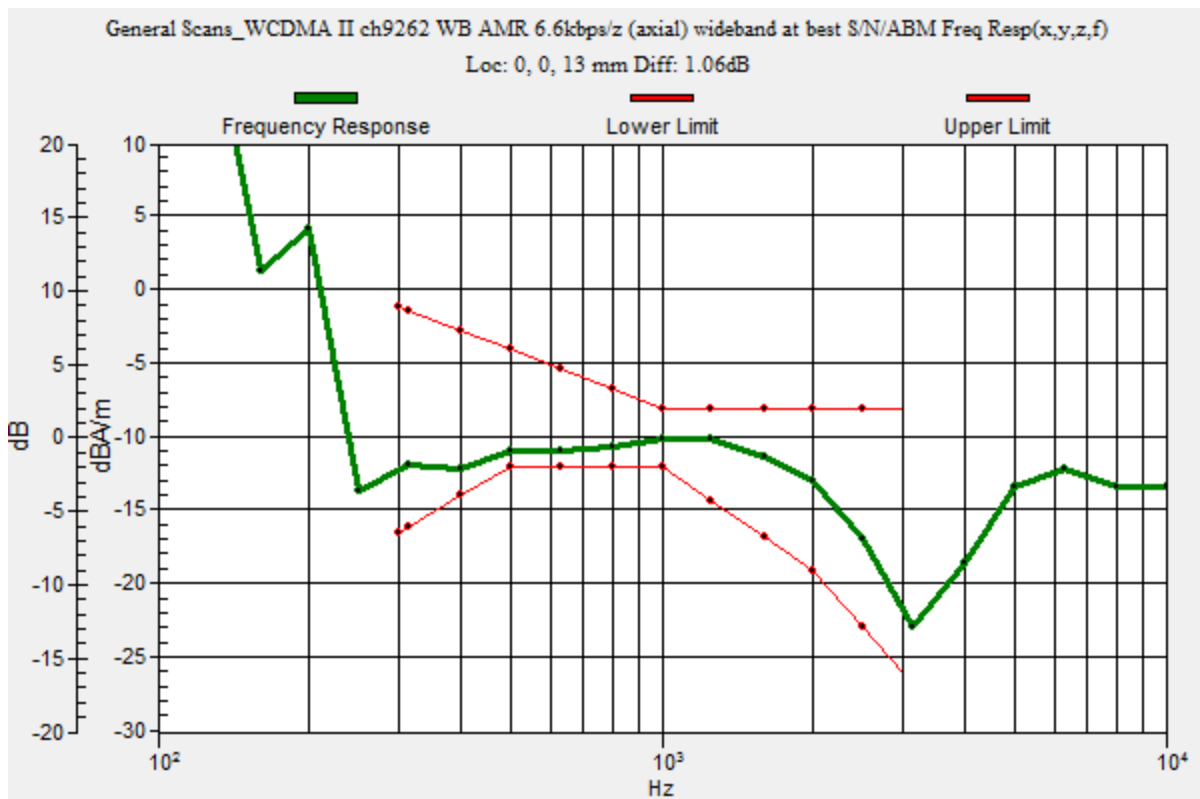
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.06 dB

BWC Factor = 10.80 dB

Location: 0, 0, 13 mm



W-CDMA Band II

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section

DASY5 Configuration:

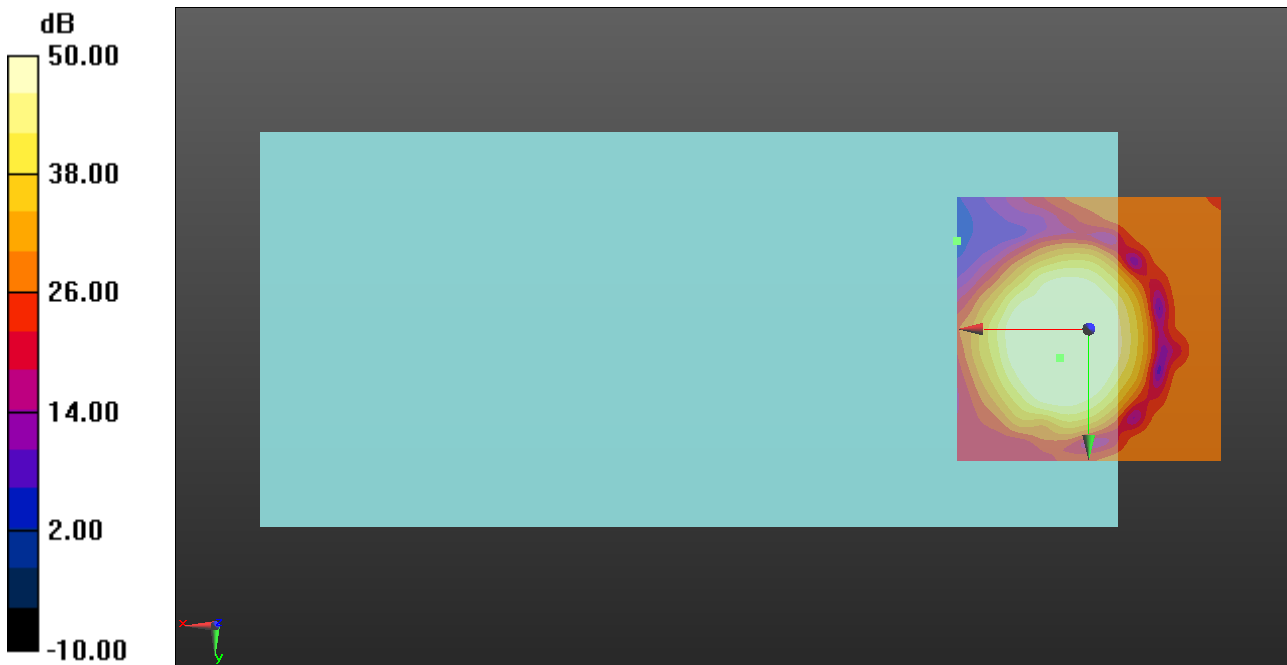
- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band II ch9262 WB-AMR 6.6kbps/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: 24.29
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 57.66 dB
ABM1 comp = 1.25 dBA/m
BWC Factor = 0.16 dB
Location: 5.4, 5.4, 3.7 mm
ABM2 = -34.37 dBA/m
Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/W-CDMA Band II ch9262 WB-AMR 6.6kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 53.53 dB

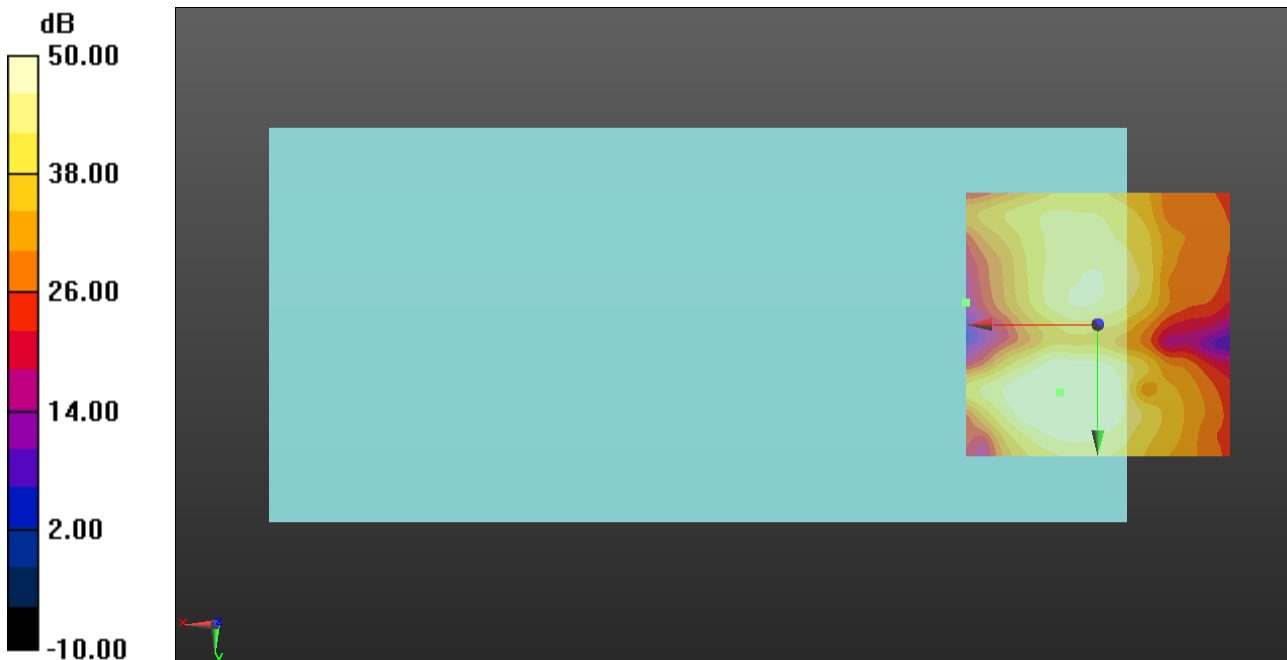
ABM1 comp = -5.06 dBA/m

BWC Factor = 0.16 dB

Location: 7.1, 12.9, 3.7 mm

ABM2 = -36.31 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

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

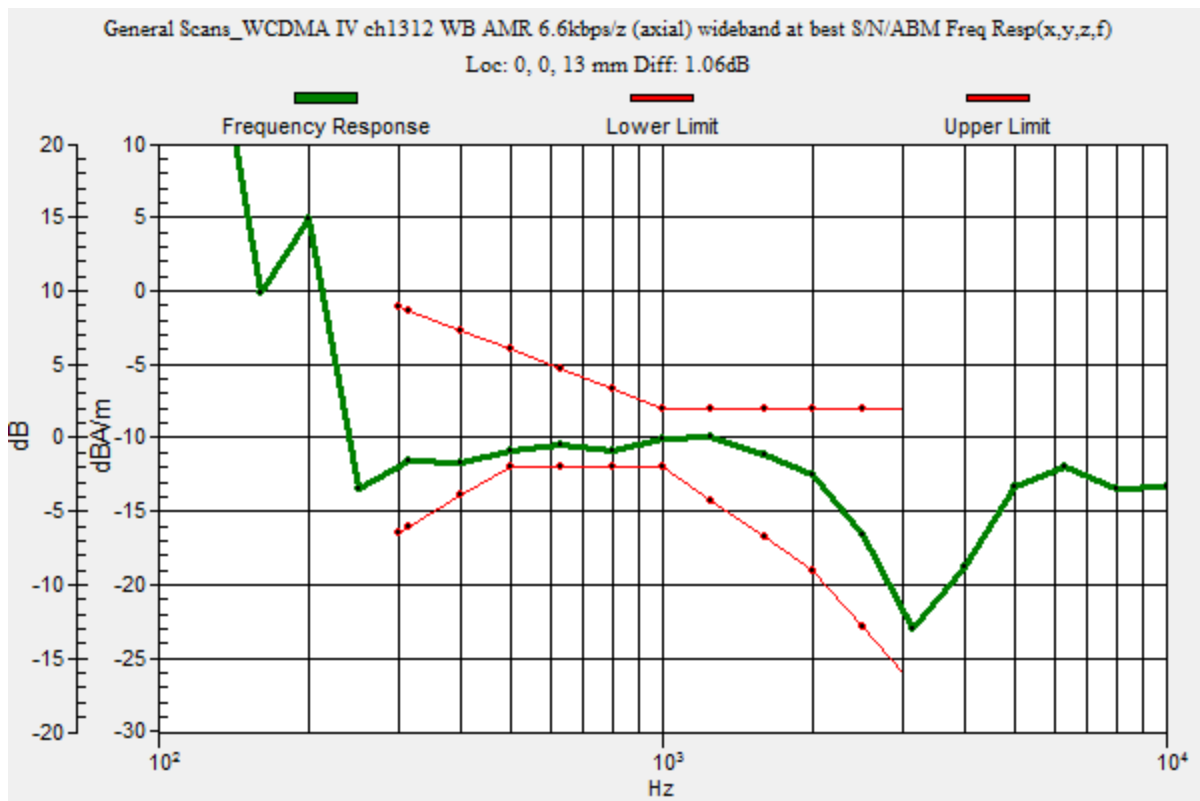
T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band IV ch1312 WB-AMR 6.6kbps/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
 Output Gain: 47.64
 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 = 1.06 dB
 BWC Factor = 10.80 dB
 Location: 0, 0, 13 mm



W-CDMA Band IV

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section

DASY5 Configuration:

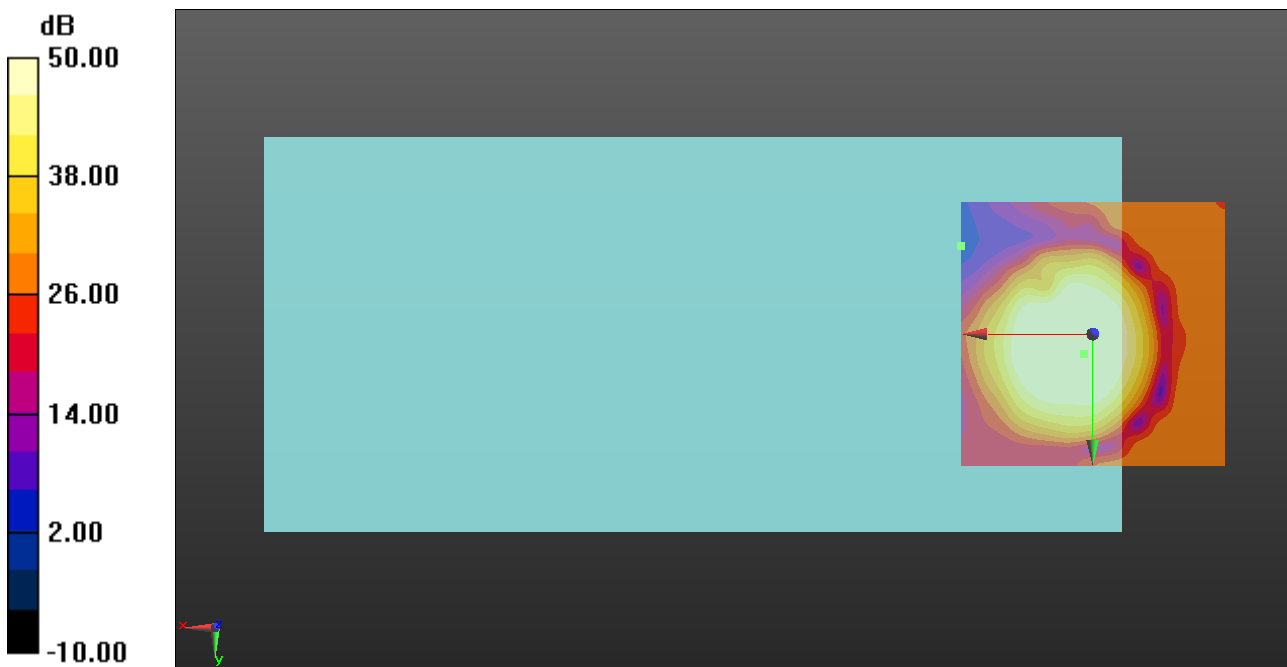
- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7331)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band IV ch1312 WB-AMR 6.6kbps/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: 24.29
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 57.36 dB
ABM1 comp = 0.06 dBA/m
BWC Factor = 0.16 dB
Location: 1.7, 3.7, 3.7 mm
ABM2 = -34.14 dBA/m
Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1712.4 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/W-CDMA Band IV ch1312 WB-AMR 6.6kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.79 dB

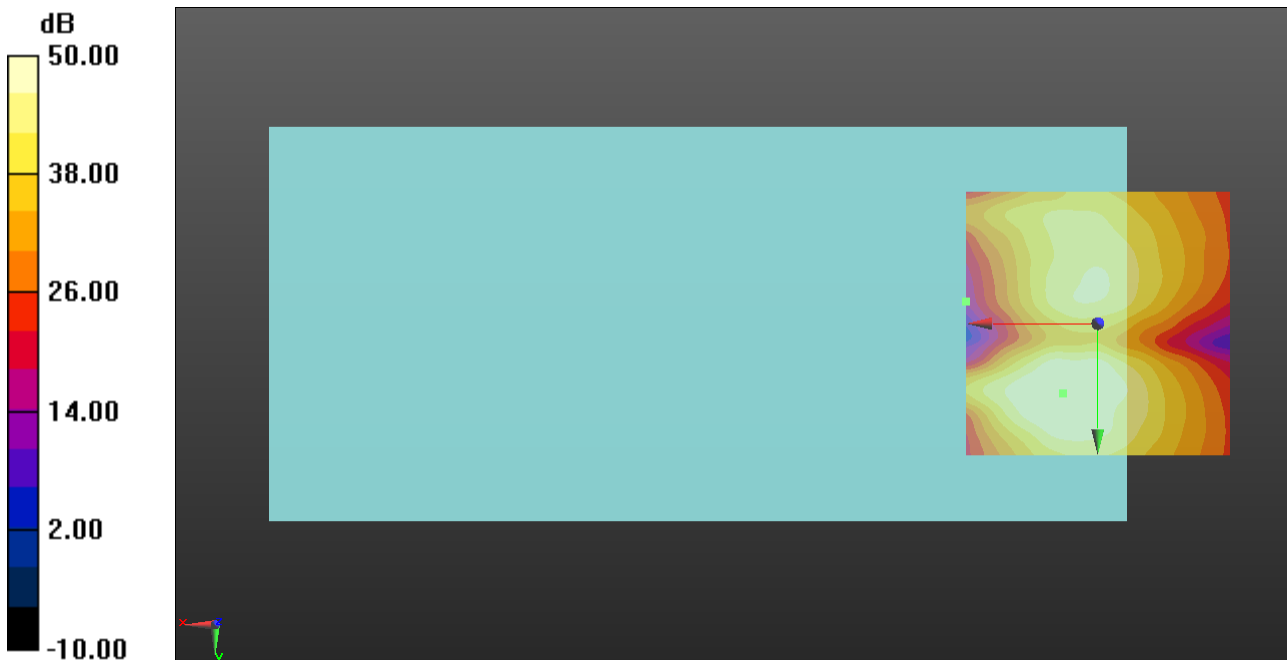
ABM1 comp = -5.53 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 13.3, 3.7 mm

ABM2 = -35.75 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

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

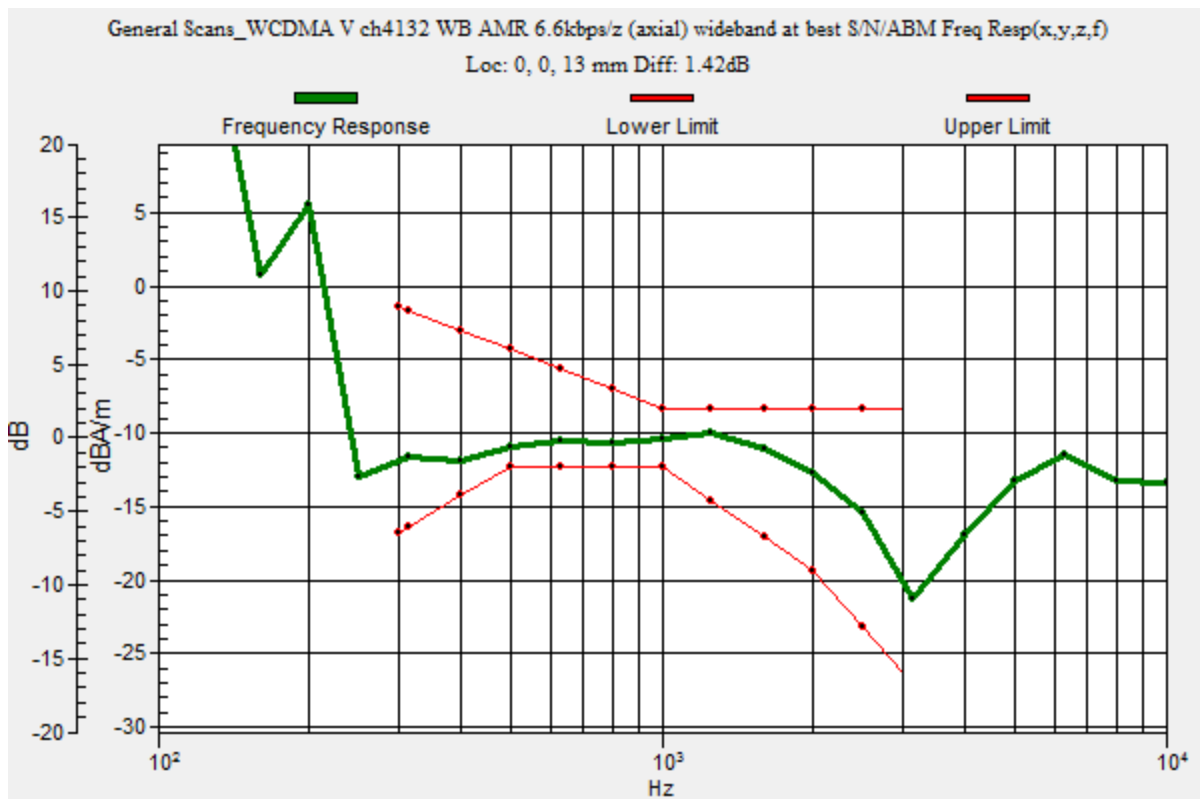
T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band V ch4132 WB-AMR 6.6kbps/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
 Output Gain: 47.64
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.80 dB
 Device Reference Point: 0, 0, -6.3 mm

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

Cursor:

Diff = 1.42 dB
 BWC Factor = 10.80 dB
 Location: 0, 0, 13 mm



W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/W-CDMA Band V ch4132 WB-AMR 6.6kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 58.24 dB

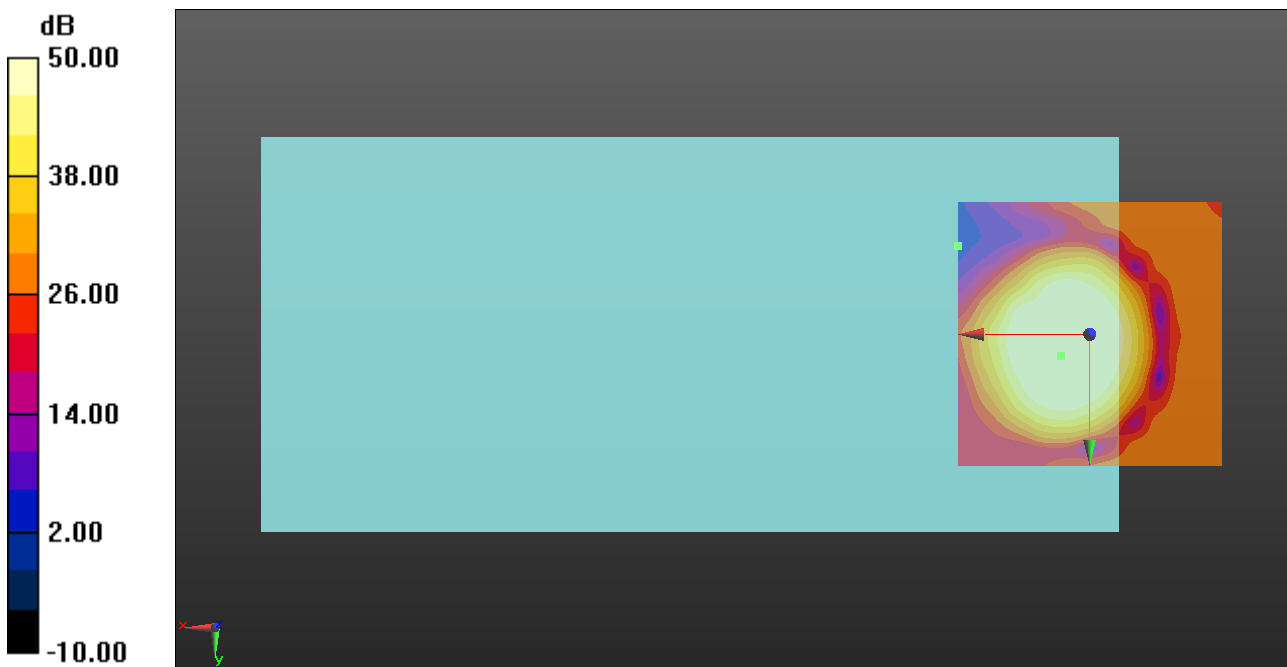
ABM1 comp = 1.97 dBA/m

BWC Factor = 0.16 dB

Location: 5.4, 4.2, 3.7 mm

ABM2 = -34.29 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/W-CDMA Band V ch4132 WB-AMR 6.6kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 53.38 dB

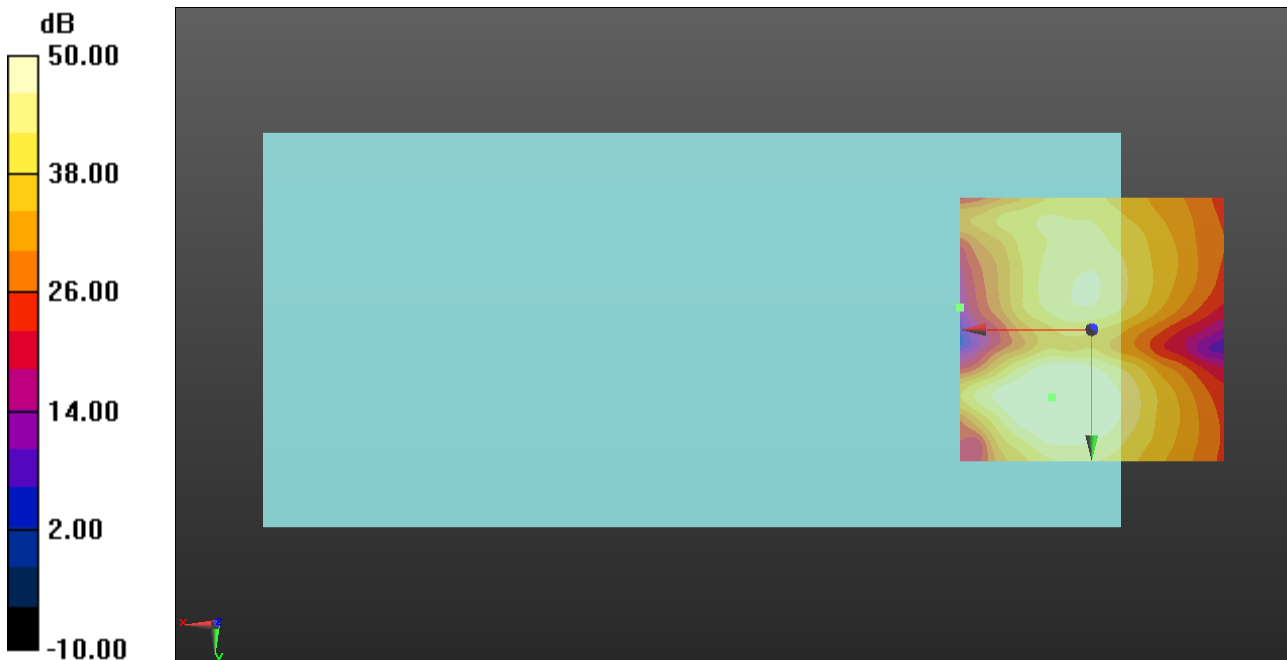
ABM1 comp = -5.30 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 12.9, 3.7 mm

ABM2 = -35.62 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2

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 BW20MHz 16QAM RB1/0 ch18900 WB AMR 15.85kbps/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: 47.64

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

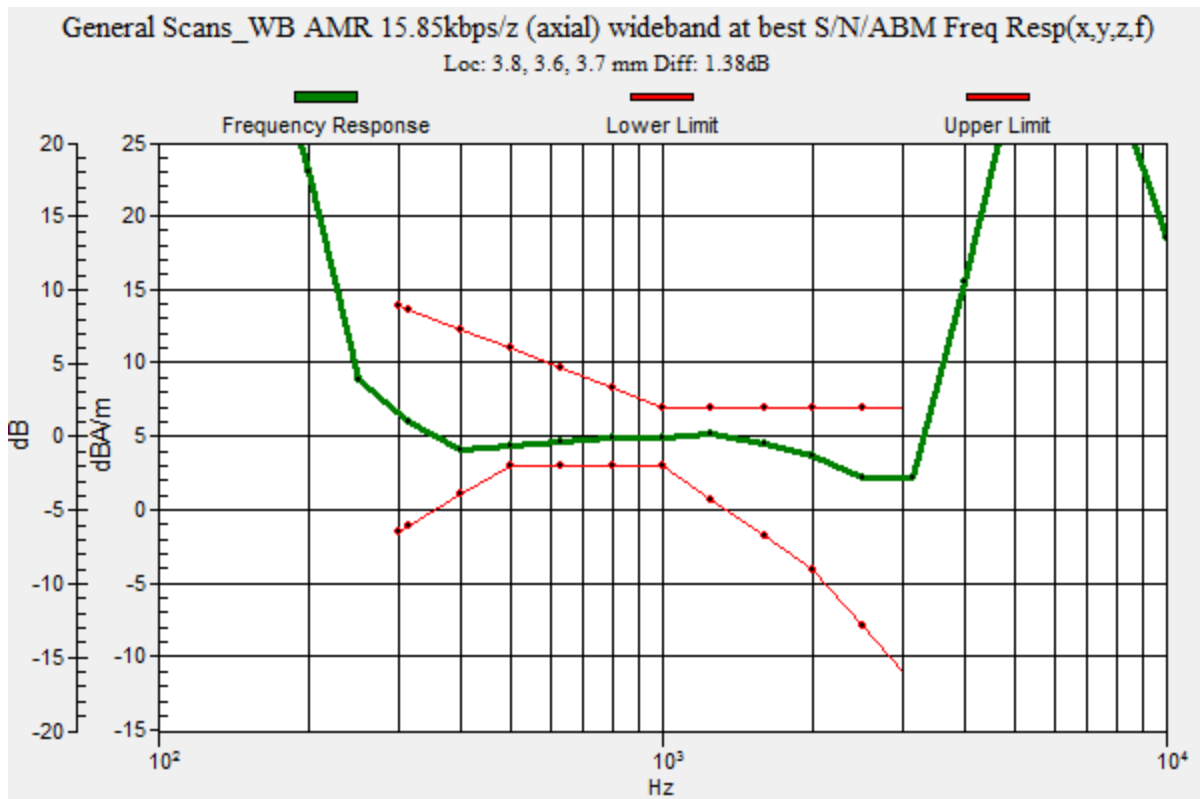
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.38 dB

BWC Factor = 10.80 dB

Location: 3.8, 3.6, 3.7 mm



LTE Band 2

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW20MHz 16QAM RB1/0 ch18900 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 61.16 dB

ABM1 comp = 5.39 dBA/m

BWC Factor = 0.16 dB

Location: 3.8, 3.7, 3.7 mm

ABM2 = -27.02 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW20MHz 16QAM RB1/0 ch18900 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 54.67 dB

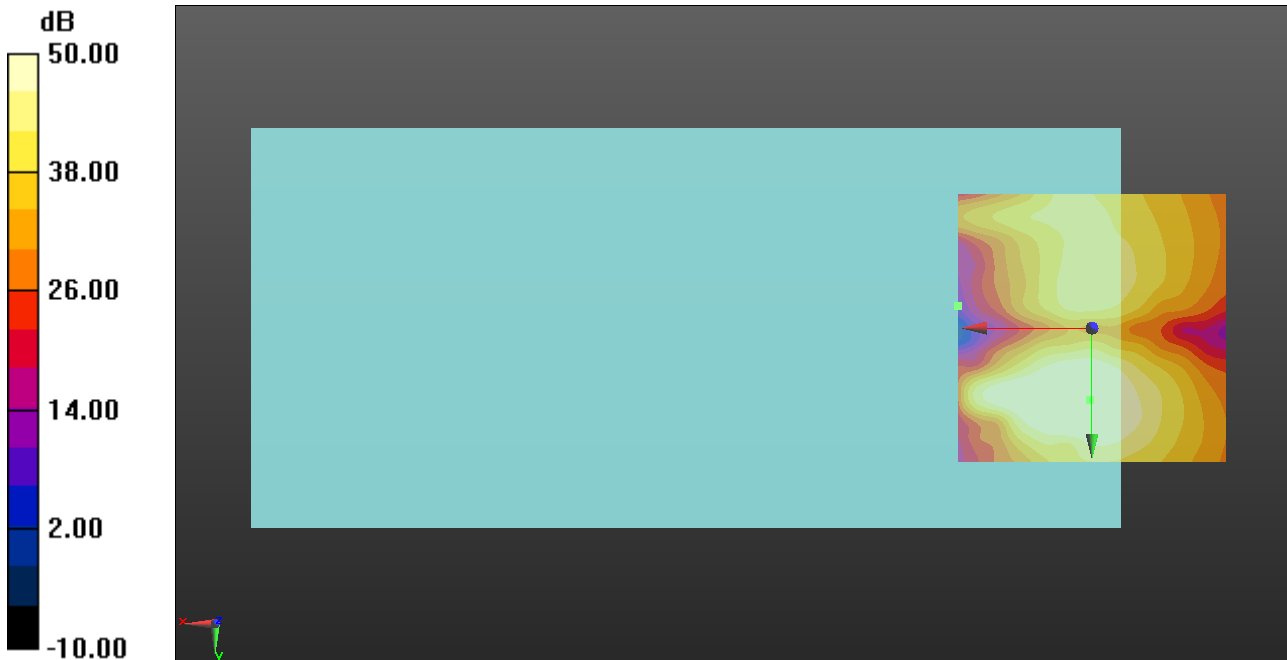
ABM1 comp = -3.91 dBA/m

BWC Factor = 0.16 dB

Location: 0.4, 13.3, 3.7 mm

ABM2 = -28.64 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12

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 BW10MHz 16QAM RB1/0 ch23095 WB AMR 15.85kbps/z (axial) wideband at best S/N 3/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: 47.64

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

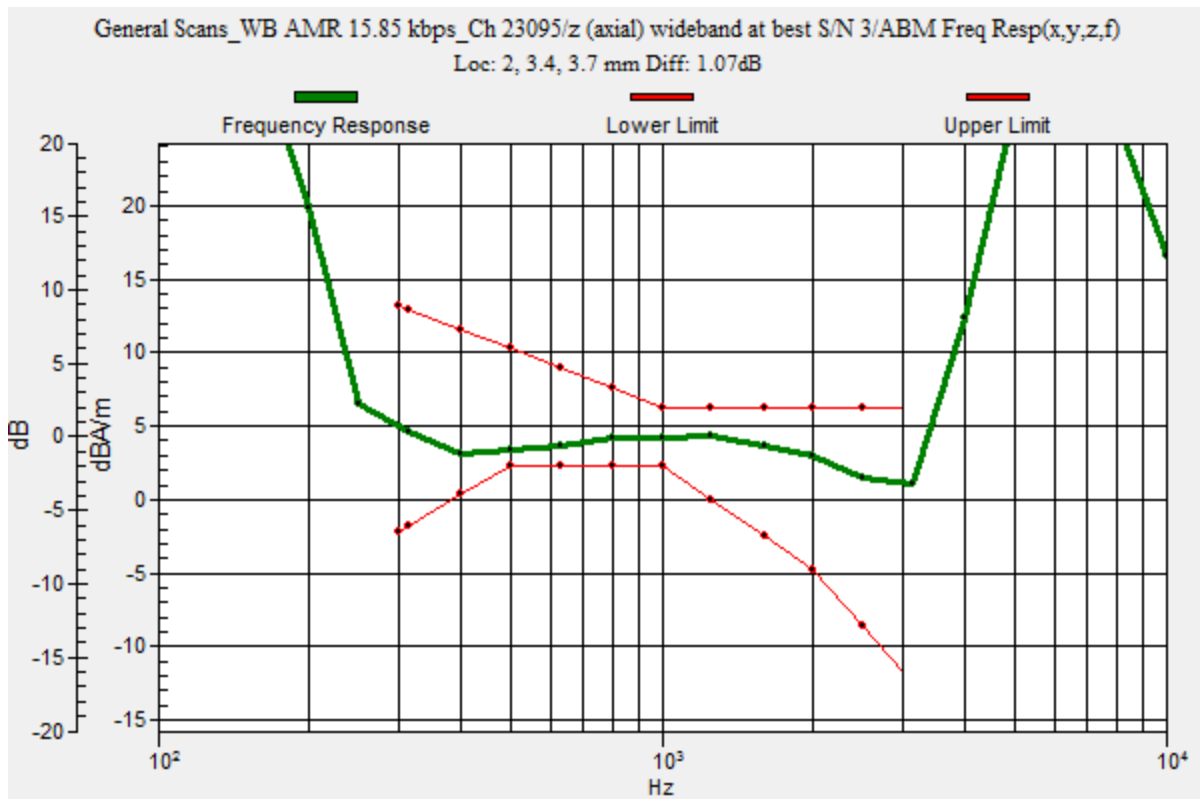
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.07 dB

BWC Factor = 10.80 dB

Location: 2, 3.4, 3.7 mm



LTE Band 12

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW10MHz 16QAM RB1/0 ch23095 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 60.34 dB

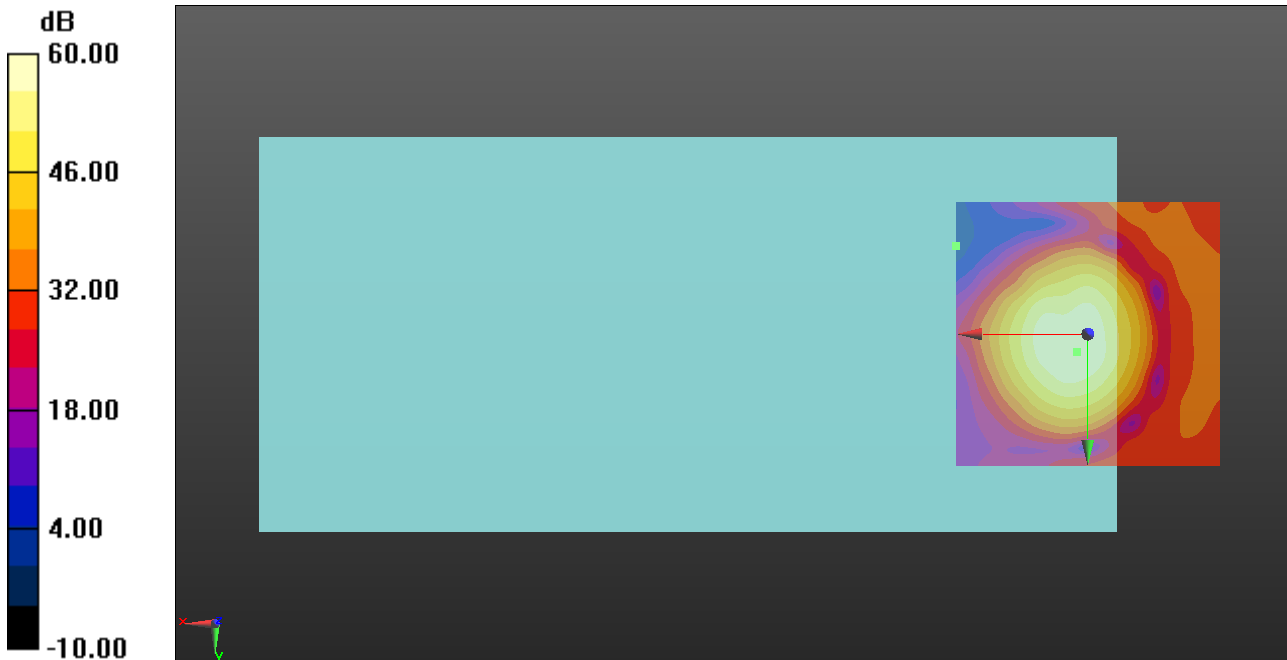
ABM1 comp = 4.45 dBA/m

BWC Factor = 0.16 dB

Location: 2.1, 3.3, 3.7 mm

ABM2 = -27.69 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW10MHz 16QAM RB1/0 ch23095 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 55.74 dB

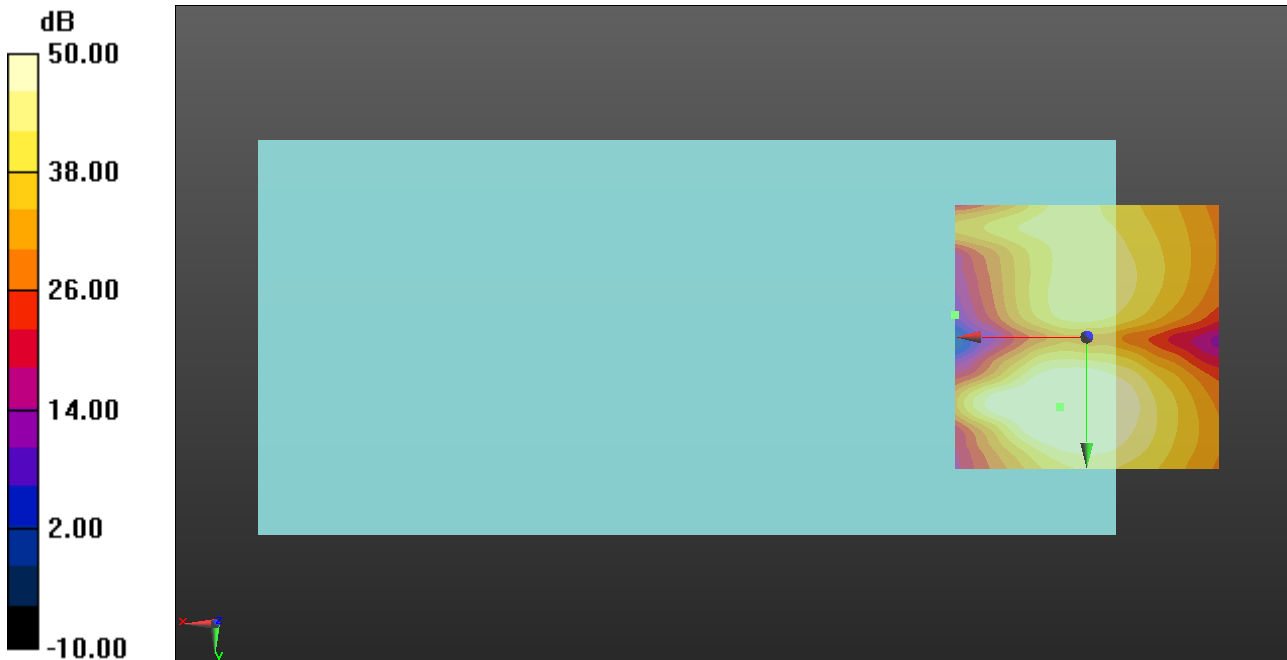
ABM1 comp = -2.08 dBA/m

BWC Factor = 0.16 dB

Location: 5, 13.3, 3.7 mm

ABM2 = -29.12 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5

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 BW10MHz 16QAM RB1/0 ch20525 WB AMR 15.85kbps/z (axial) wideband at best S/N 11/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: 47.64

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

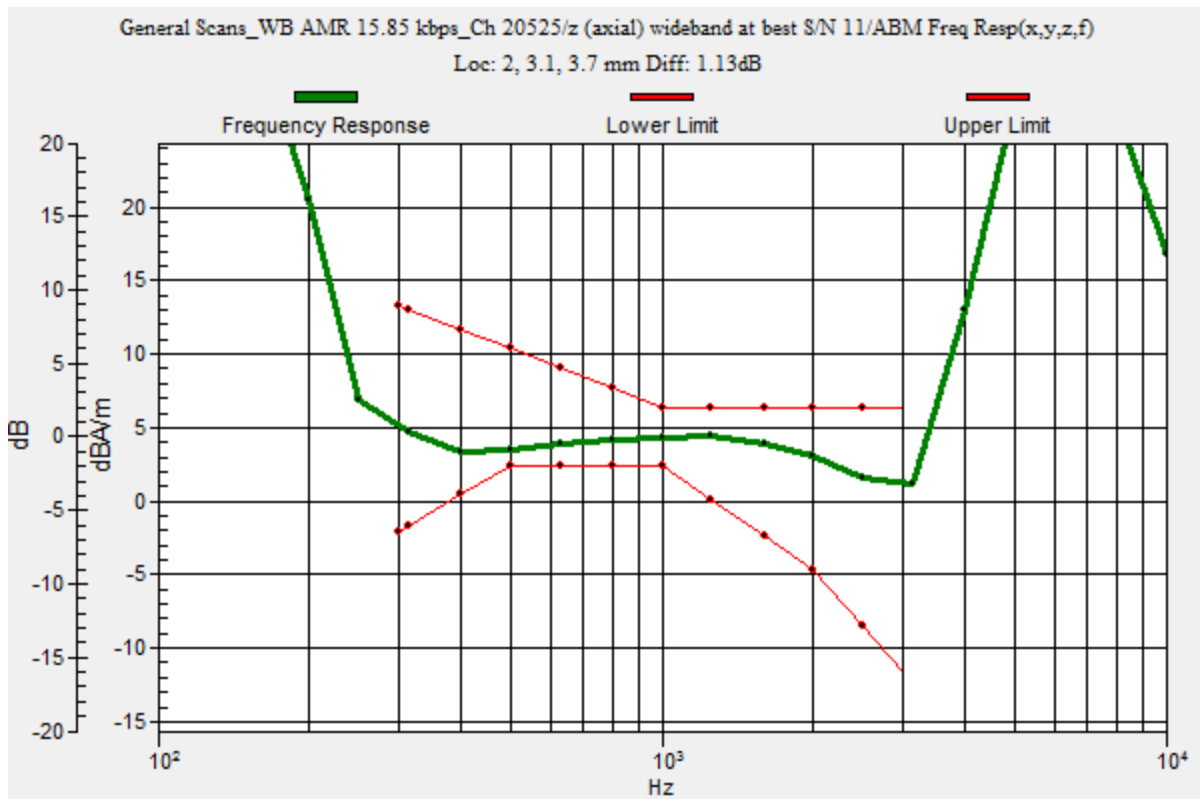
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.13 dB

BWC Factor = 10.80 dB

Location: 2, 3.1, 3.7 mm



LTE Band 5

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW10MHz 16QAM RB1/0 ch20525 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 60.18 dB

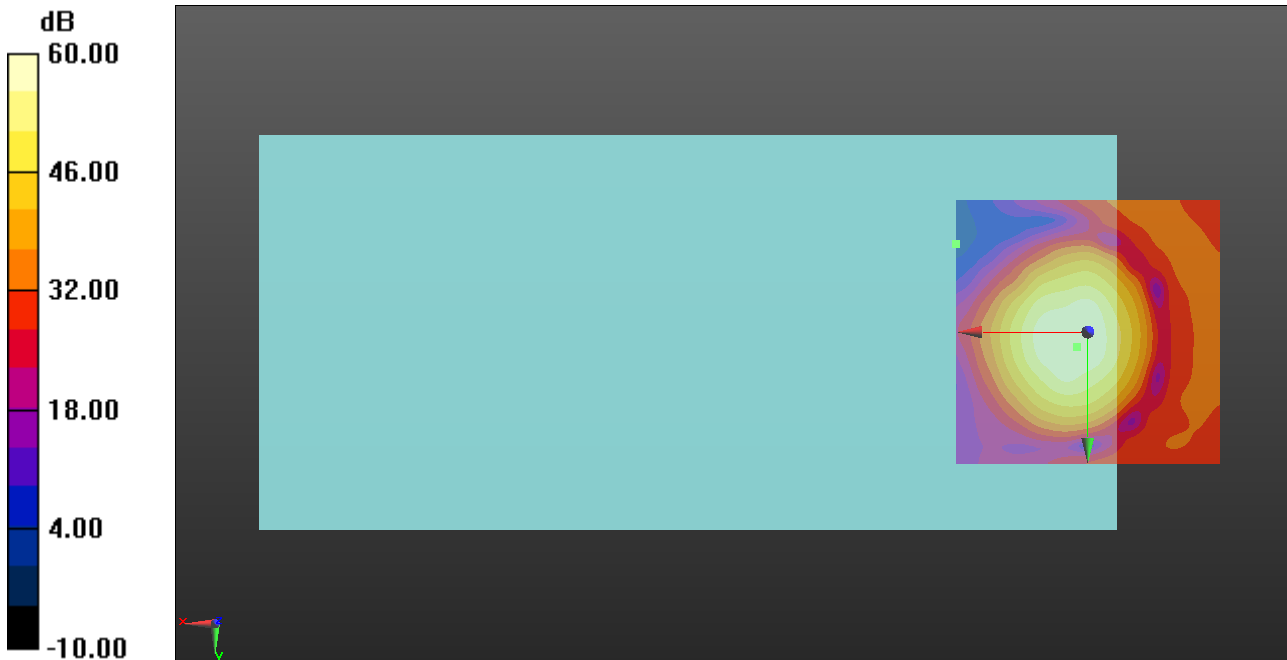
ABM1 comp = 4.64 dBA/m

BWC Factor = 0.16 dB

Location: 2.1, 2.9, 3.7 mm

ABM2 = -27.64 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW10MHz 16QAM RB1/0 ch20525 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 55.82 dB

ABM1 comp = -2.23 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, 13.3, 3.7 mm

ABM2 = -29.32 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 66

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

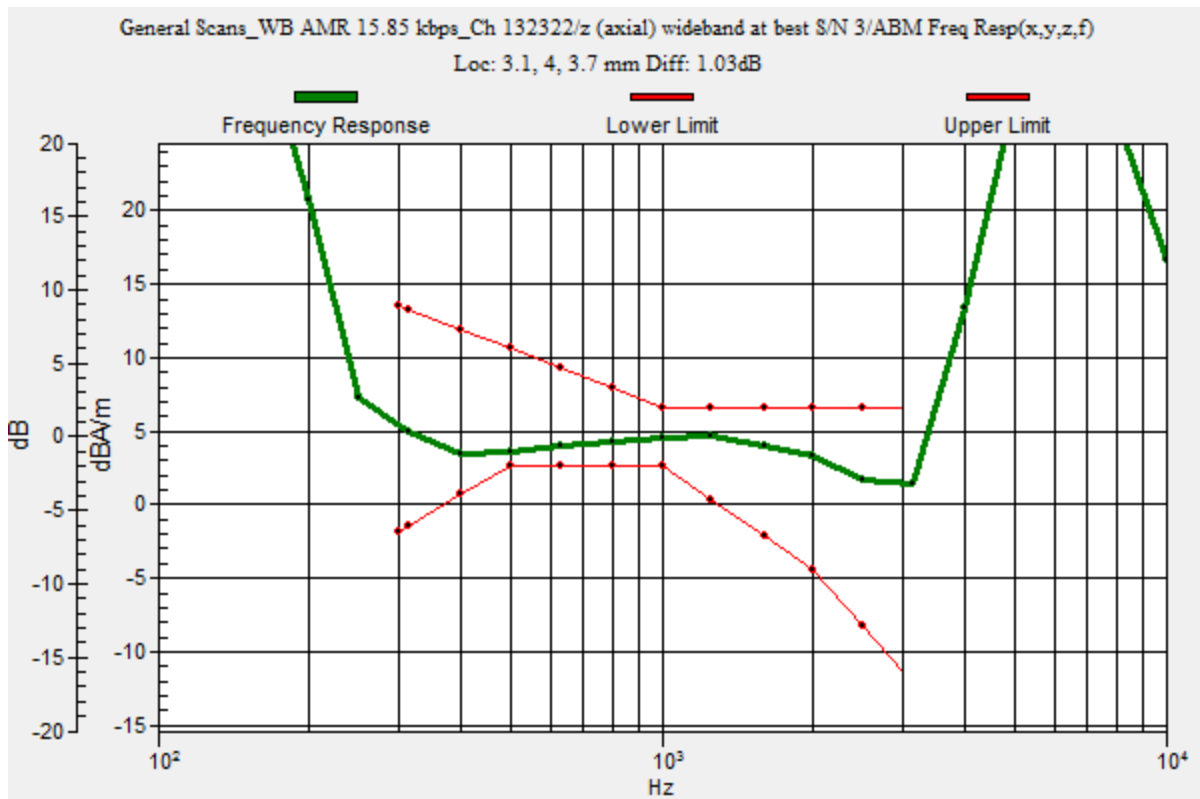
T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 BW20MHz 16QAM RB1/0 ch132322 WB AMR 15.85kbps/z (axial) wideband at best S/N 3/ABM Freq

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: 47.64
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.80 dB
 Device Reference Point: 0, 0, -6.3 mm

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

Cursor:

Diff = 1.03 dB
 BWC Factor = 10.80 dB
 Location: 3.1, 4, 3.7 mm



LTE Band 66

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW20MHz 16QAM RB1/0 ch132322 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.99 dB

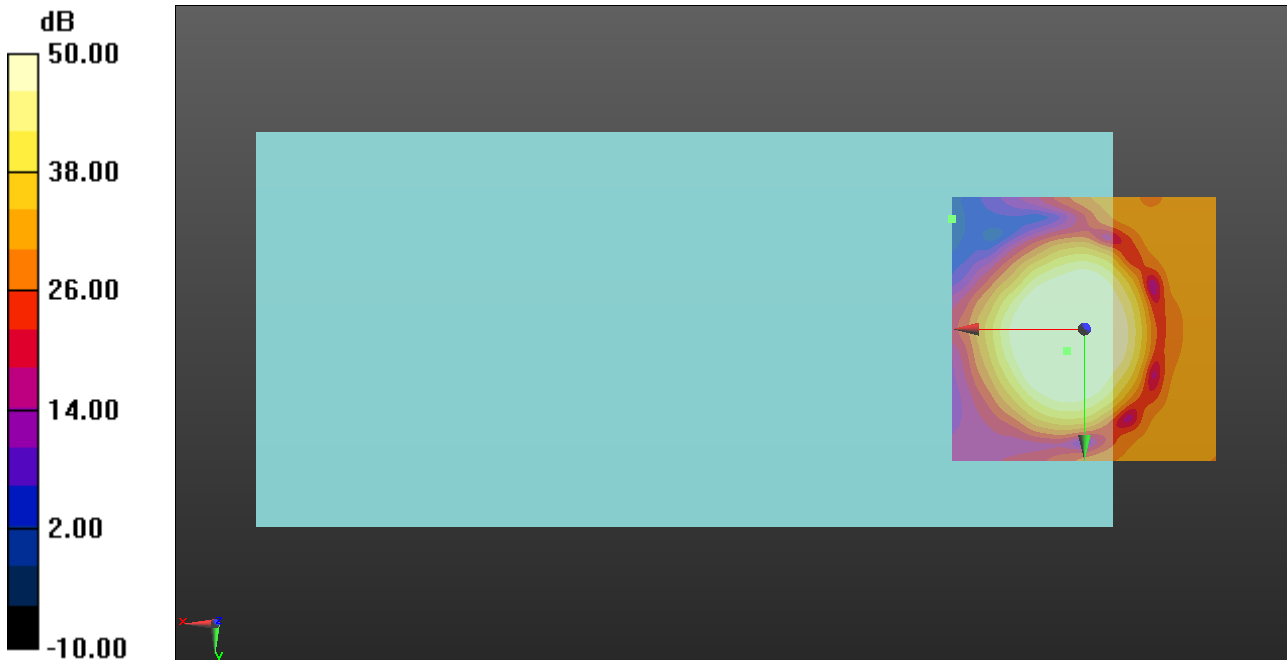
ABM1 comp = 4.94 dBA/m

BWC Factor = 0.16 dB

Location: 3.3, 4.2, 3.7 mm

ABM2 = -26.07 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 66

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW20MHz 16QAM RB1/0 ch132322 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 54.92 dB

ABM1 comp = -2.37 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 13.3, 3.7 mm

ABM2 = -27.38 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 BW20MHz 16QAM RB1/0 ch21100 WB AMR 15.85kbps/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: 47.64

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

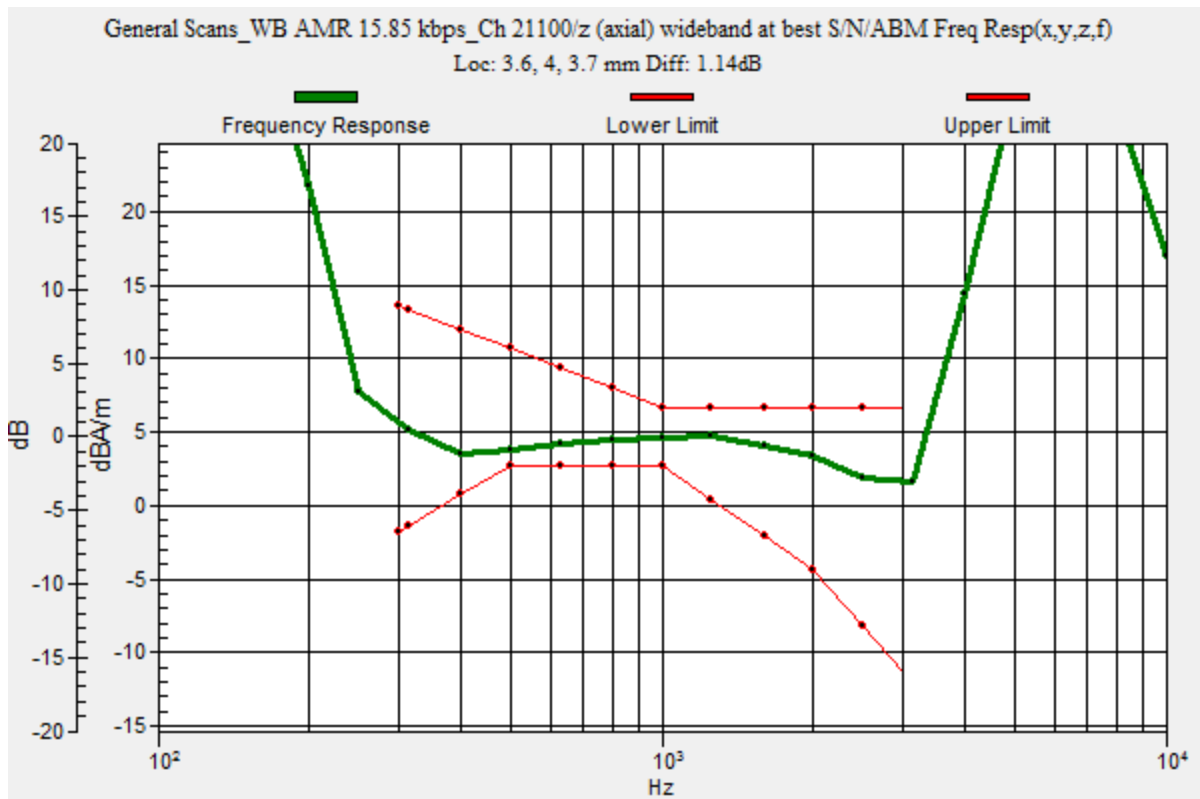
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.14 dB

BWC Factor = 10.80 dB

Location: 3.6, 4, 3.7 mm



LTE Band 7

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW20MHz 16QAM RB1/0 ch21100 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.86 dB

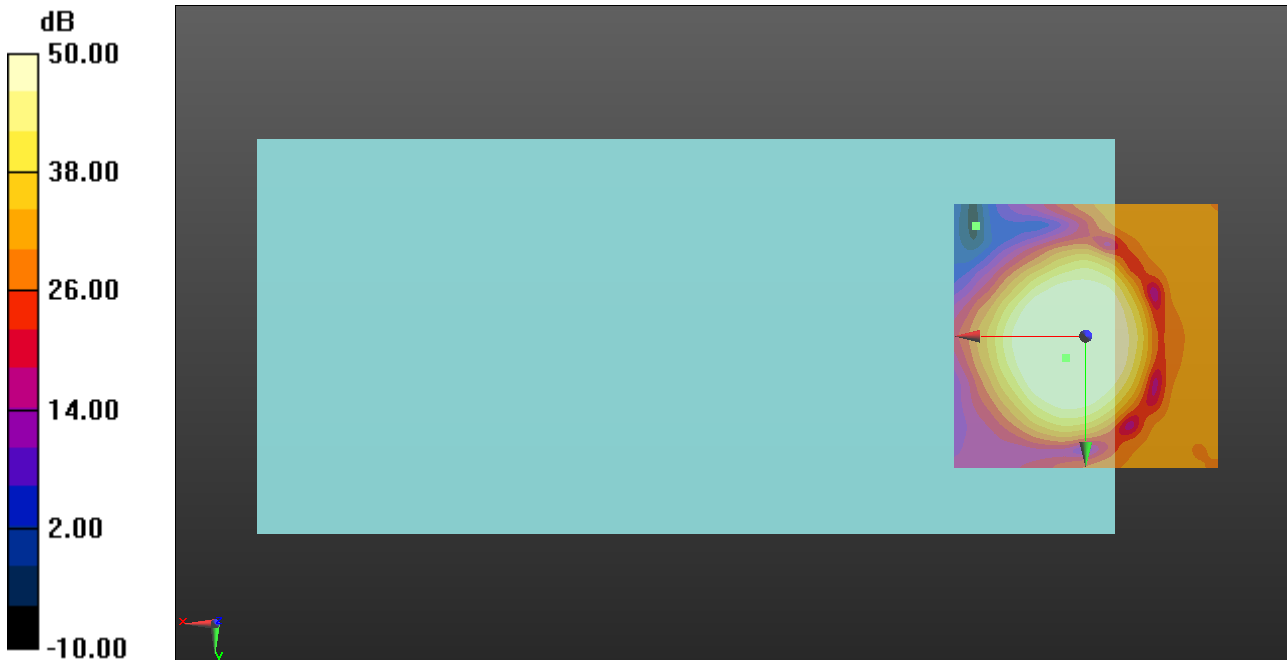
ABM1 comp = 5.07 dBA/m

BWC Factor = 0.16 dB

Location: 3.8, 4.2, 3.7 mm

ABM2 = -20.11 dBA/m

Location: 20.8, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW20MHz 16QAM RB1/0 ch21100 WB AMR 15.85kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 54.64 dB

ABM1 comp = -2.62 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 13.7, 3.7 mm

ABM2 = -27.12 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 BW15MHz QPSK RB1/0 ch40620 WB AMR 6.6kbps/z (axial) wideband at best S/N/ABM Freq

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

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

Output Gain: 47.64

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

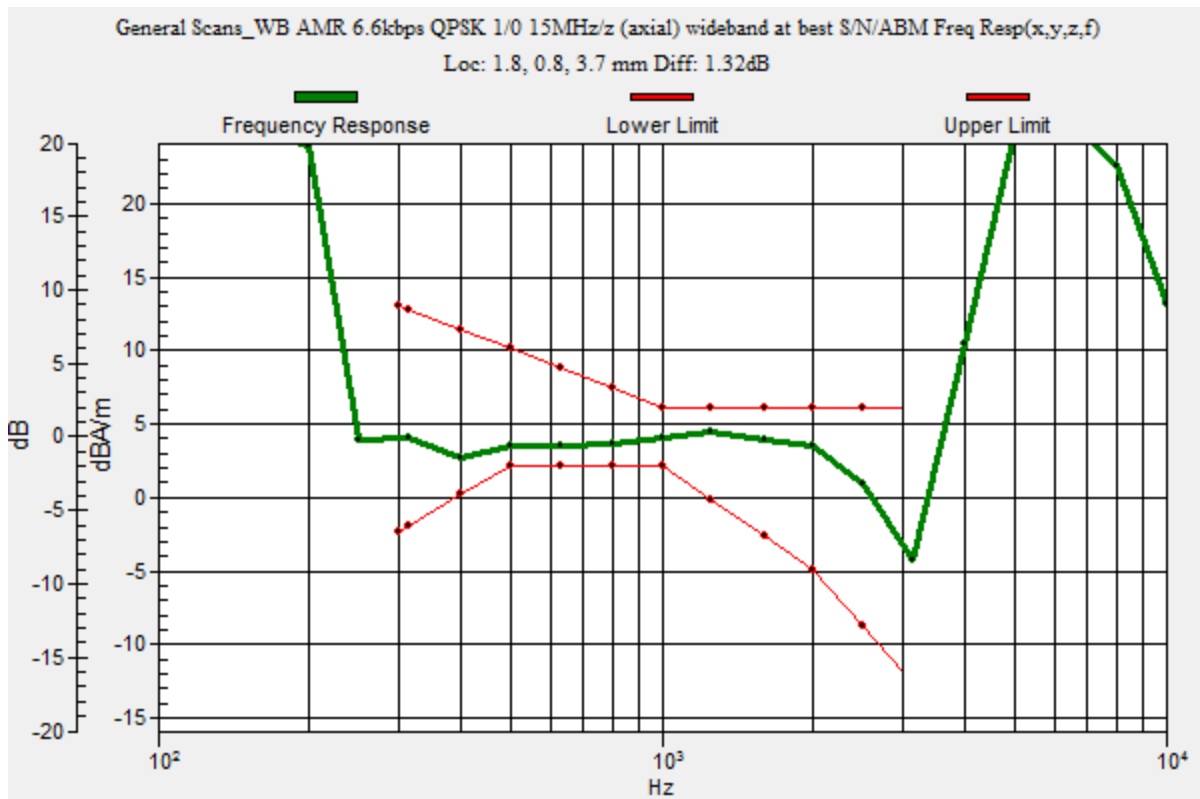
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.32 dB

BWC Factor = 10.80 dB

Location: 1.8, 0.8, 3.7 mm



LTE Band 41

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW15MHz QPSK RB1/0 ch40620 WB AMR 6.6kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.34 dB

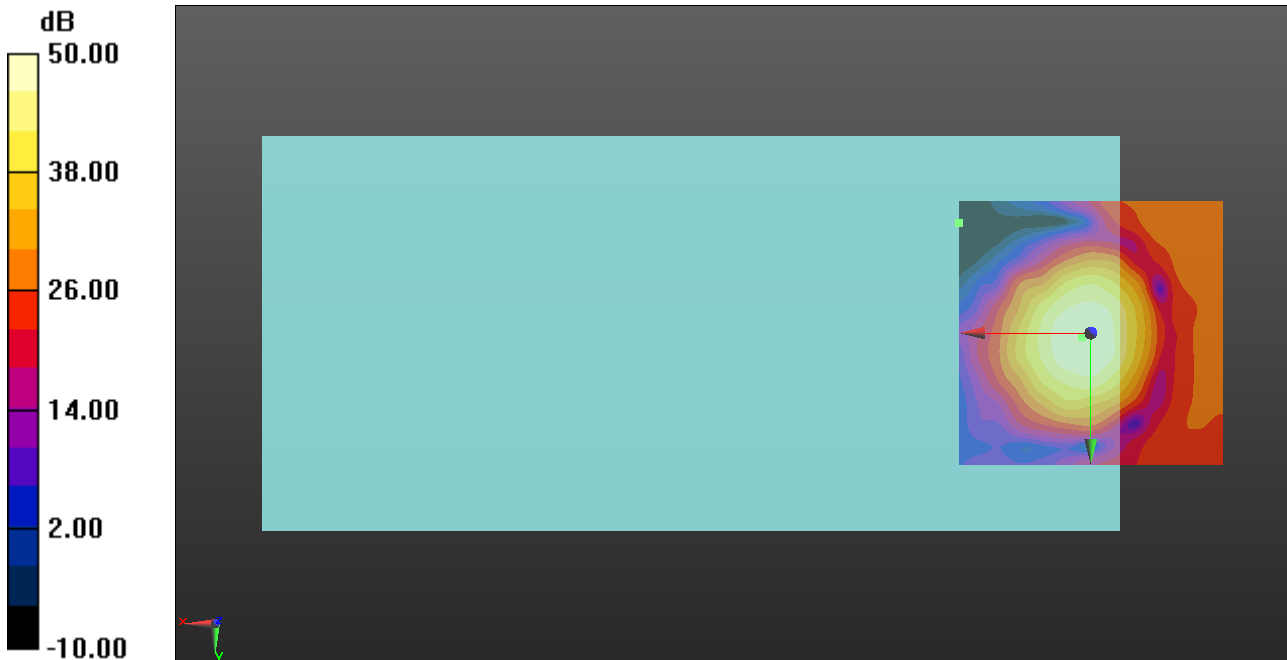
ABM1 comp = 2.96 dBA/m

BWC Factor = 0.16 dB

Location: 1.7, 0.8, 3.7 mm

ABM2 = -16.01 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 BW15MHz QPSK RB1/0 ch40620 WB AMR 6.6kbps/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: 24.29

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 49.39 dB

ABM1 comp = -5.90 dBA/m

BWC Factor = 0.16 dB

Location: 2.9, 16.2, 3.7 mm

ABM2 = -18.27 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11g

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11g 6Mbps Ant.1 ch1 MCS3 EVS nb 5.9kbps/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: 30.09

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

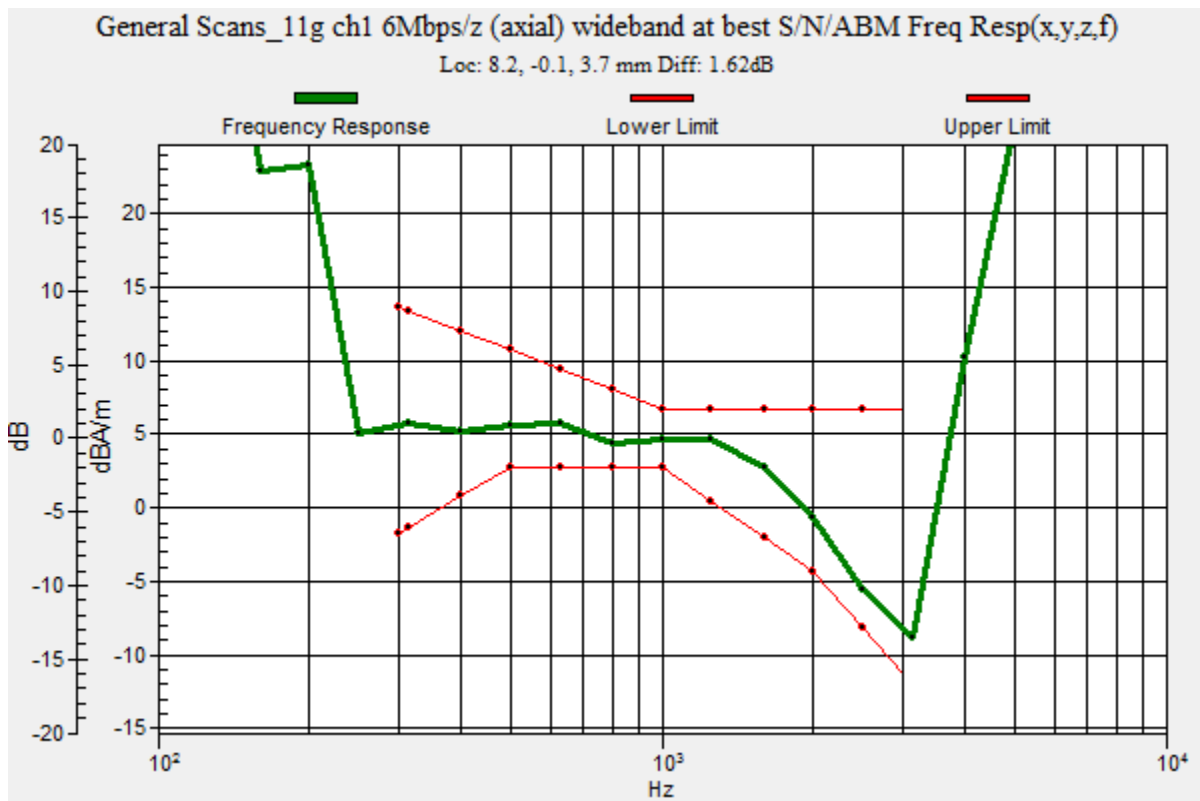
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.62 dB

BWC Factor = 10.80 dB

Location: 8.2, -0.1, 3.7 mm



802.11g

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11g 6Mbps Ant.1 ch1 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.46 dB

ABM1 comp = 2.57 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0, 3.7 mm

ABM2 = -28.70 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11g

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11g 6Mbps Ant.1 ch1 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.50 dB

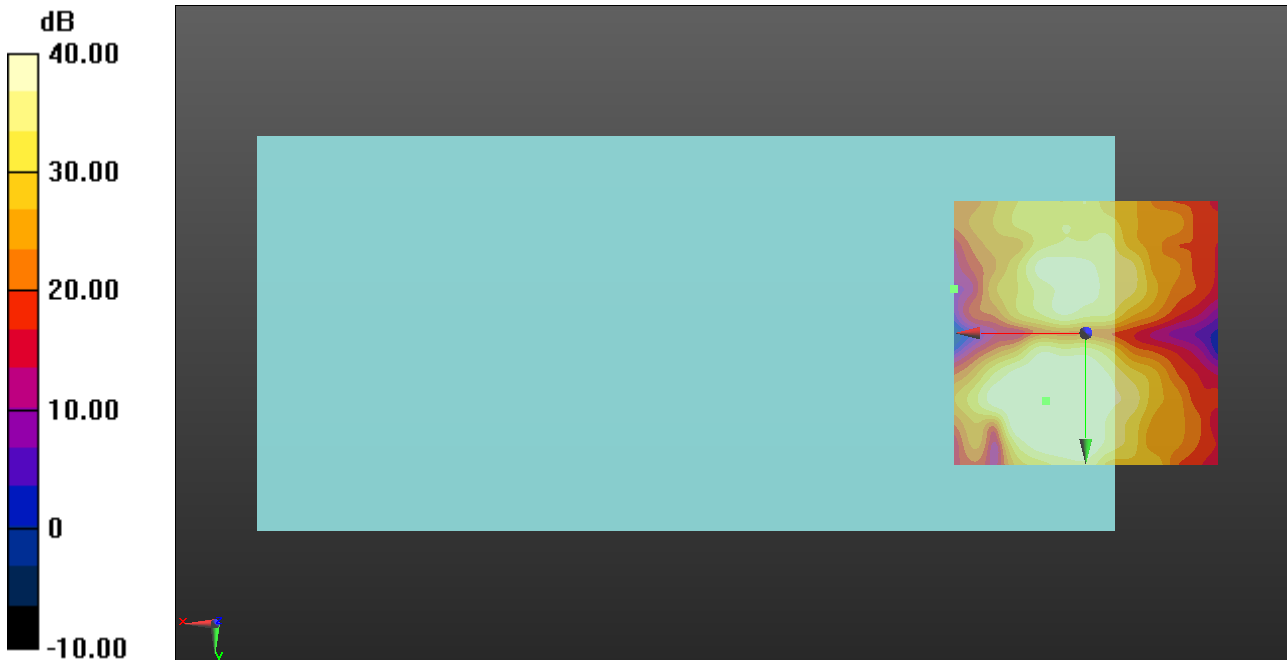
ABM1 comp = -5.31 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 12.9, 3.7 mm

ABM2 = -30.17 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 Ant.1 ch36 MCS3 EVS nb 5.9kbps/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: 30.09

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

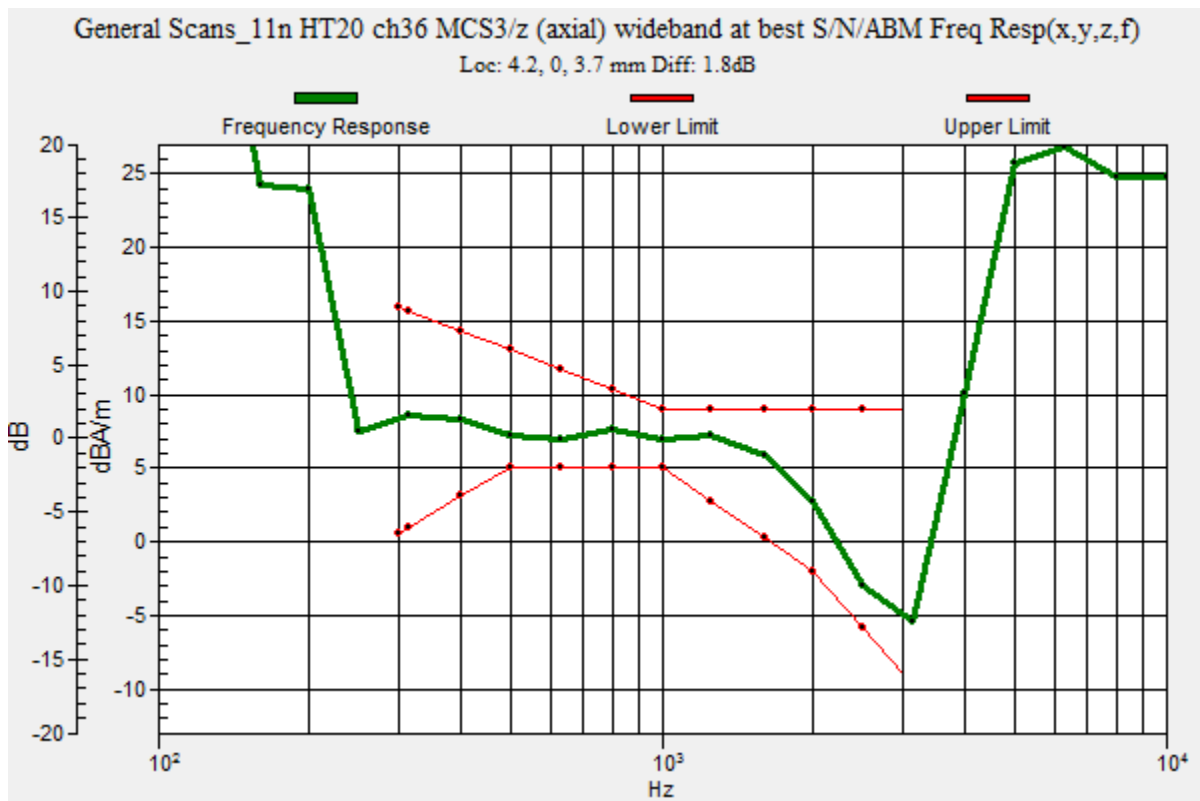
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.80 dB

BWC Factor = 10.80 dB

Location: 4.2, 0, 3.7 mm



802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch36 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 56.79 dB

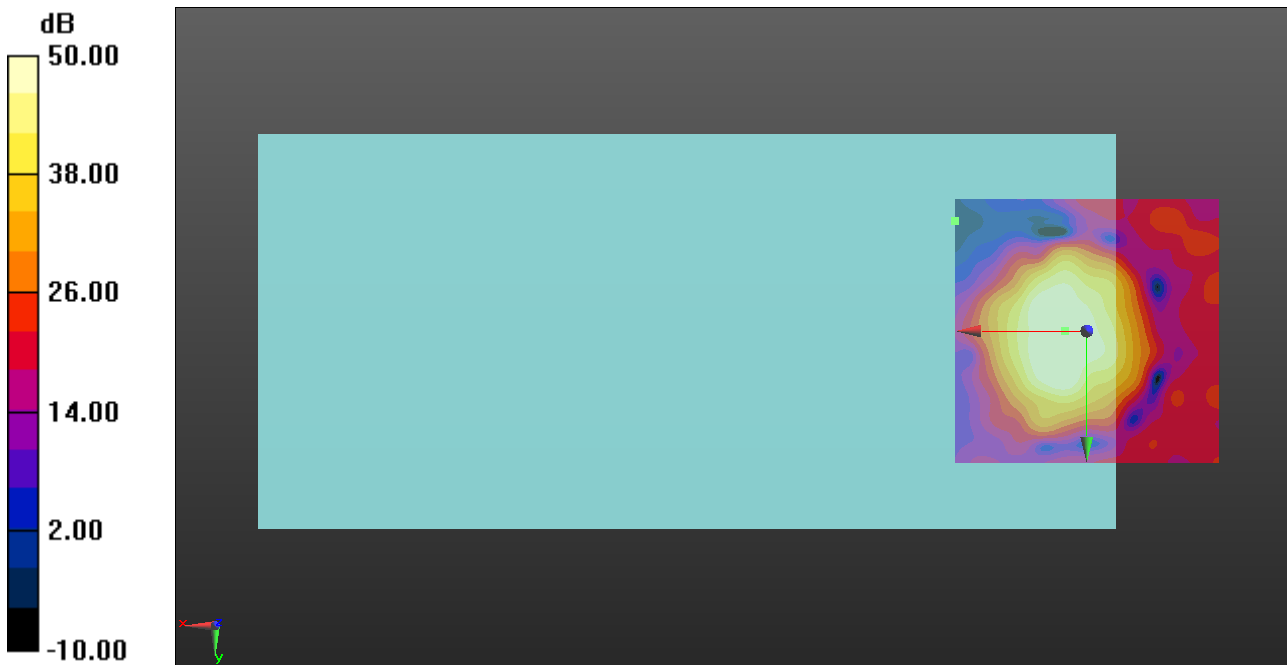
ABM1 comp = 7.65 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 0, 3.7 mm

ABM2 = -26.43 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch36 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.98 dB

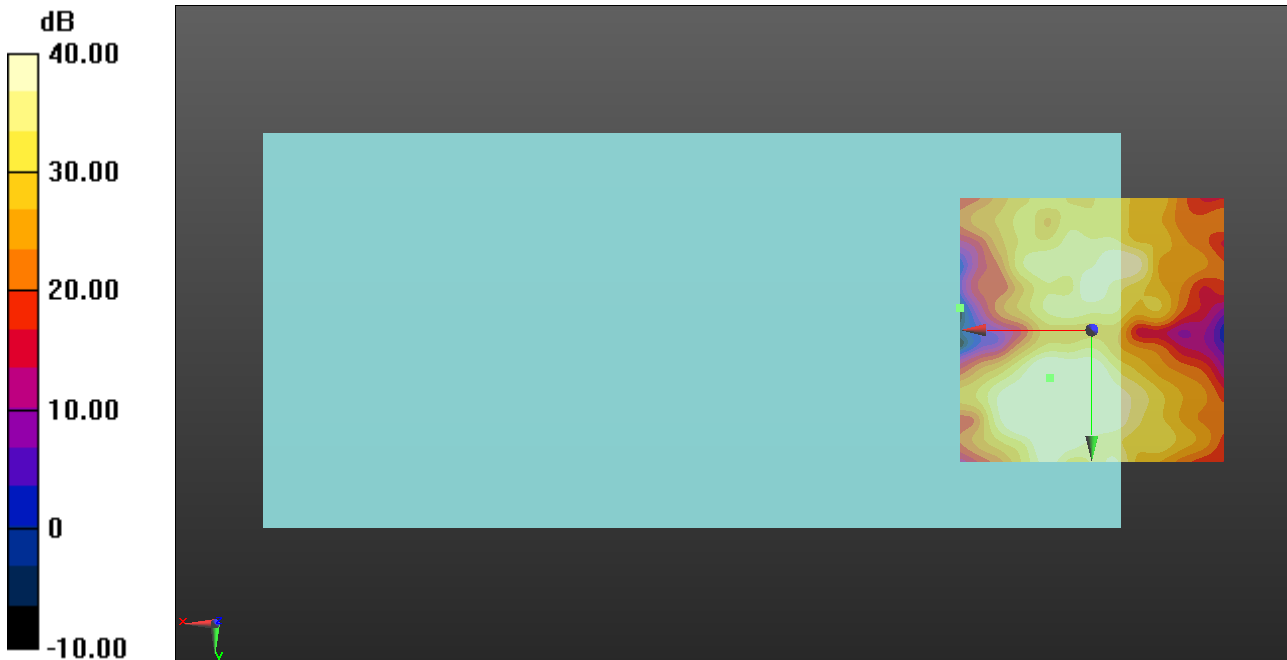
ABM1 comp = -3.45 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 9.2, 3.7 mm

ABM2 = -17.93 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 Ant.1 ch52 MCS3 EVS nb 5.9kbps/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: 30.09

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

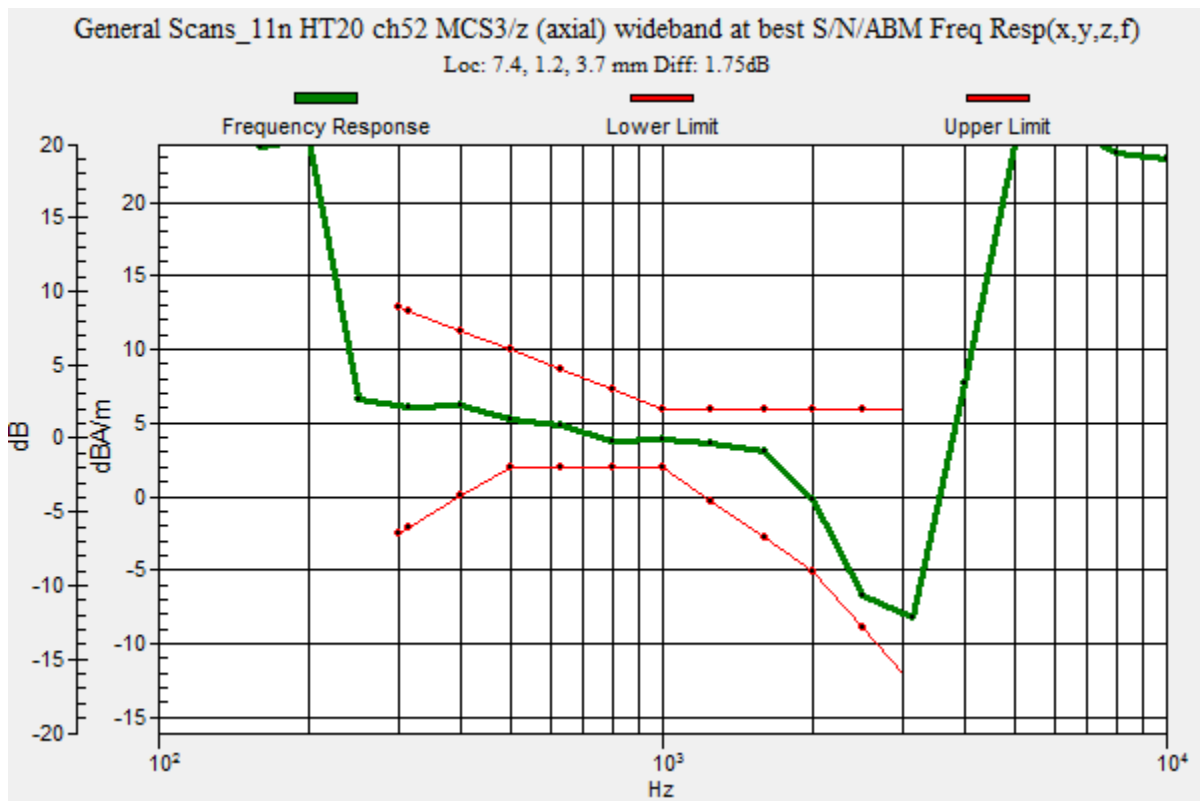
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.75 dB

BWC Factor = 10.80 dB

Location: 7.4, 1.2, 3.7 mm



802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch52 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.32 dB

ABM1 comp = 3.10 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 1.2, 3.7 mm

ABM2 = -25.32 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch52 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.48 dB

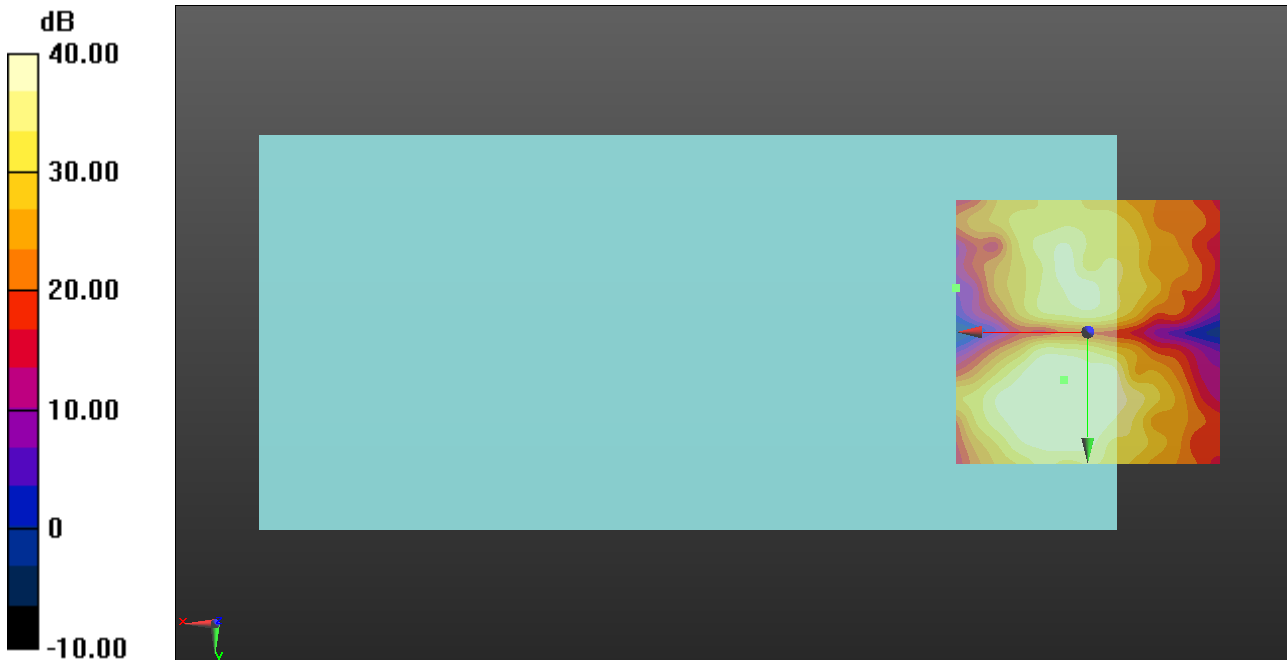
ABM1 comp = -4.30 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, 9.2, 3.7 mm

ABM2 = -27.42 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 Ant.1 ch100 MCS3 EVS nb 5.9kbps/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: 30.09

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

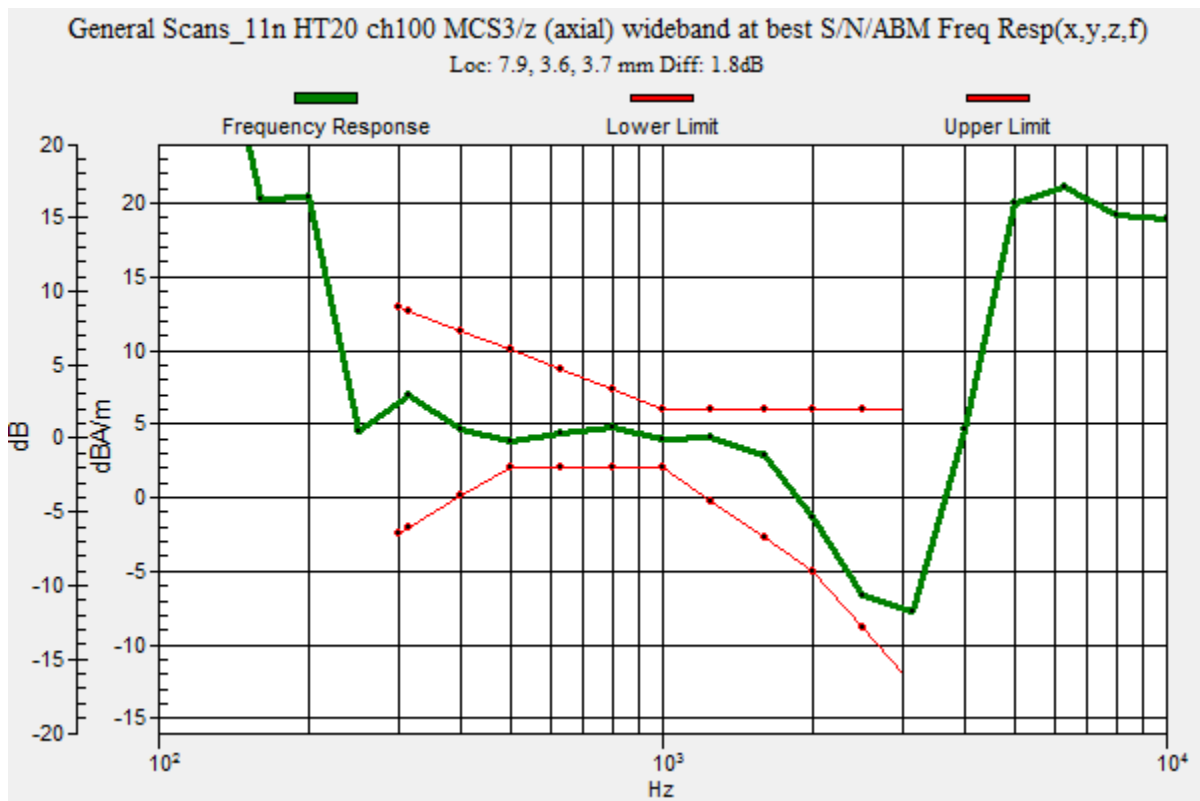
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.80 dB

BWC Factor = 10.80 dB

Location: 7.9, 3.6, 3.7 mm



802.11n

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

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch100 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 54.00 dB

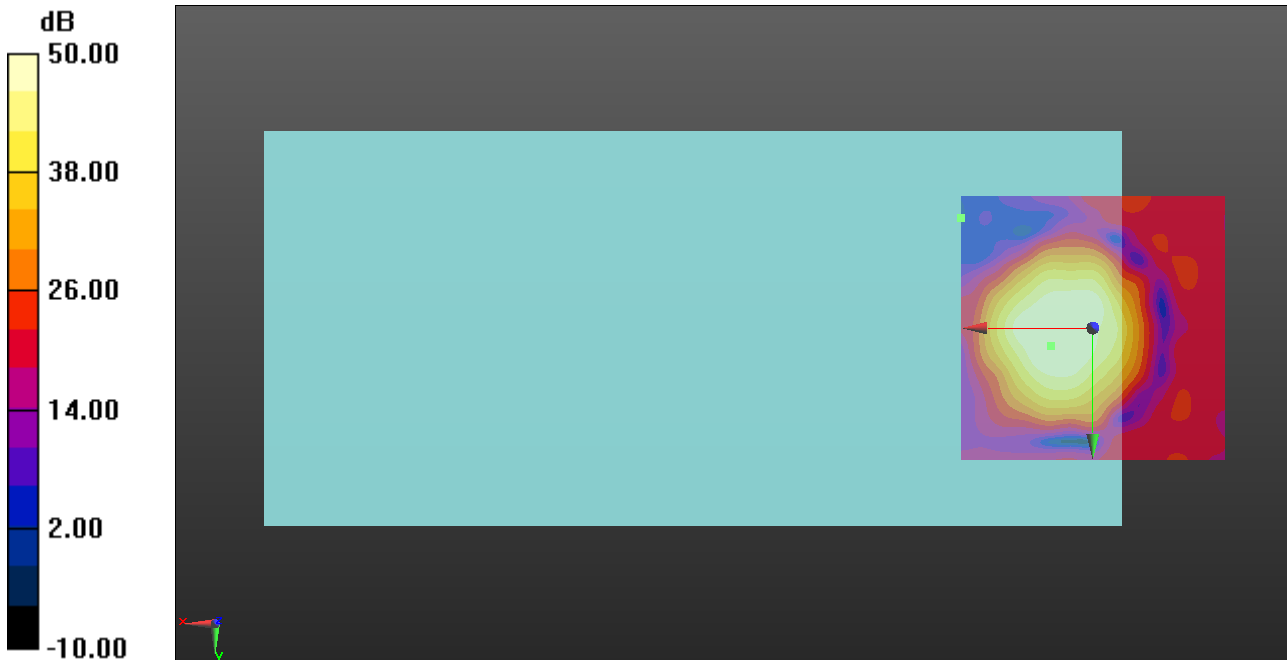
ABM1 comp = 3.98 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 3.3, 3.7 mm

ABM2 = -30.00 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch100 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.96 dB

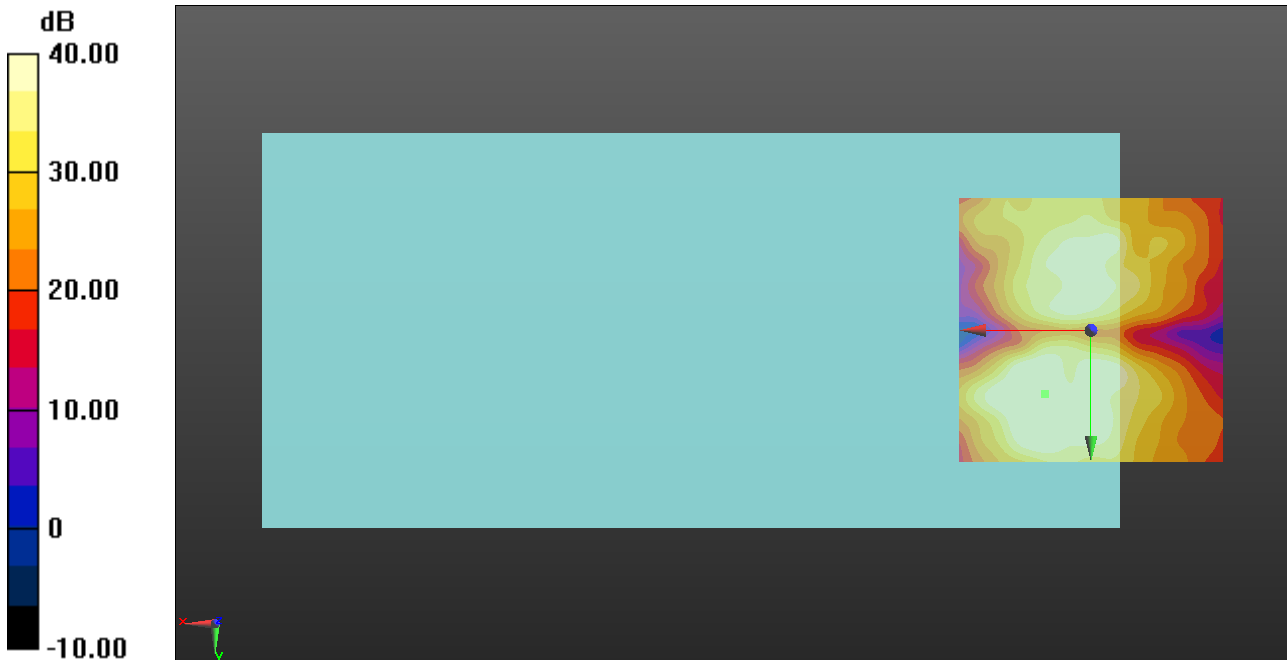
ABM1 comp = -4.07 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, 12.1, 3.7 mm

ABM2 = -29.60 dBA/m

Location: 20.8, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 Ant.1 ch149 MCS3 EVS nb 5.9kbps/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: 30.09

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

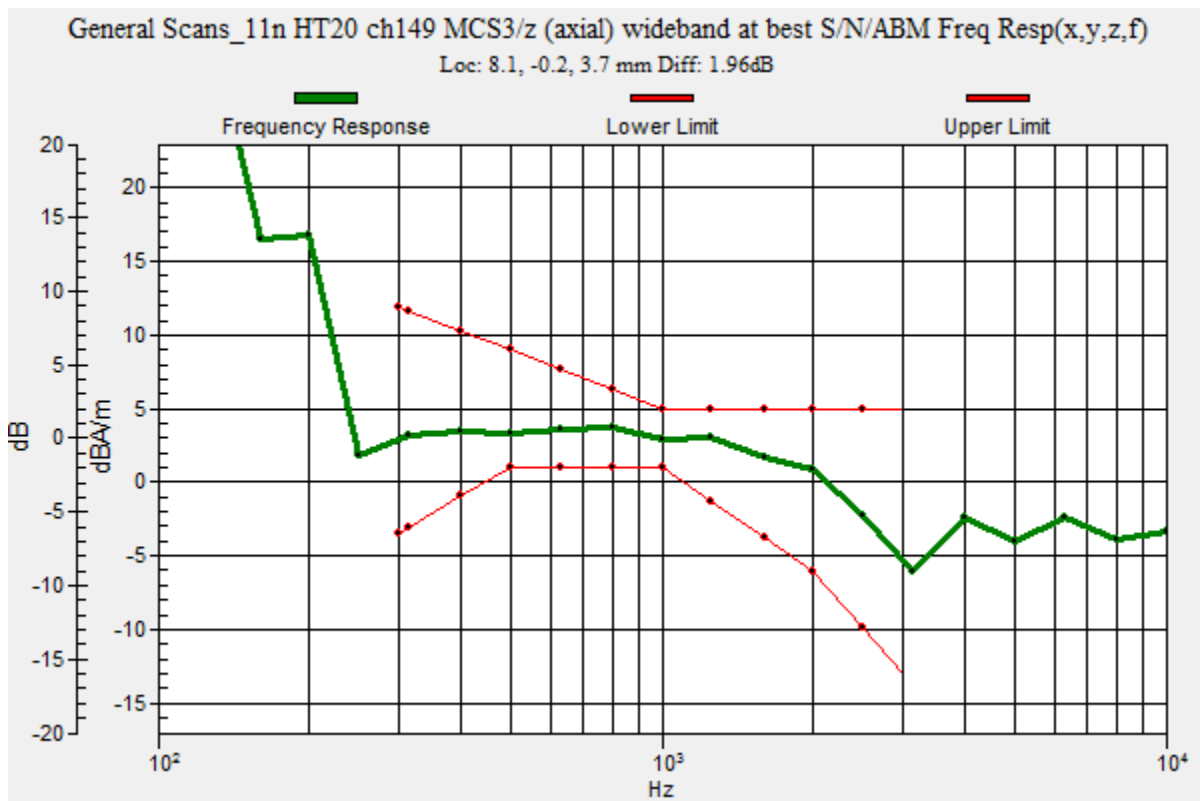
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.96 dB

BWC Factor = 10.80 dB

Location: 8.1, -0.2, 3.7 mm



802.11n

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

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch149 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 54.72 dB

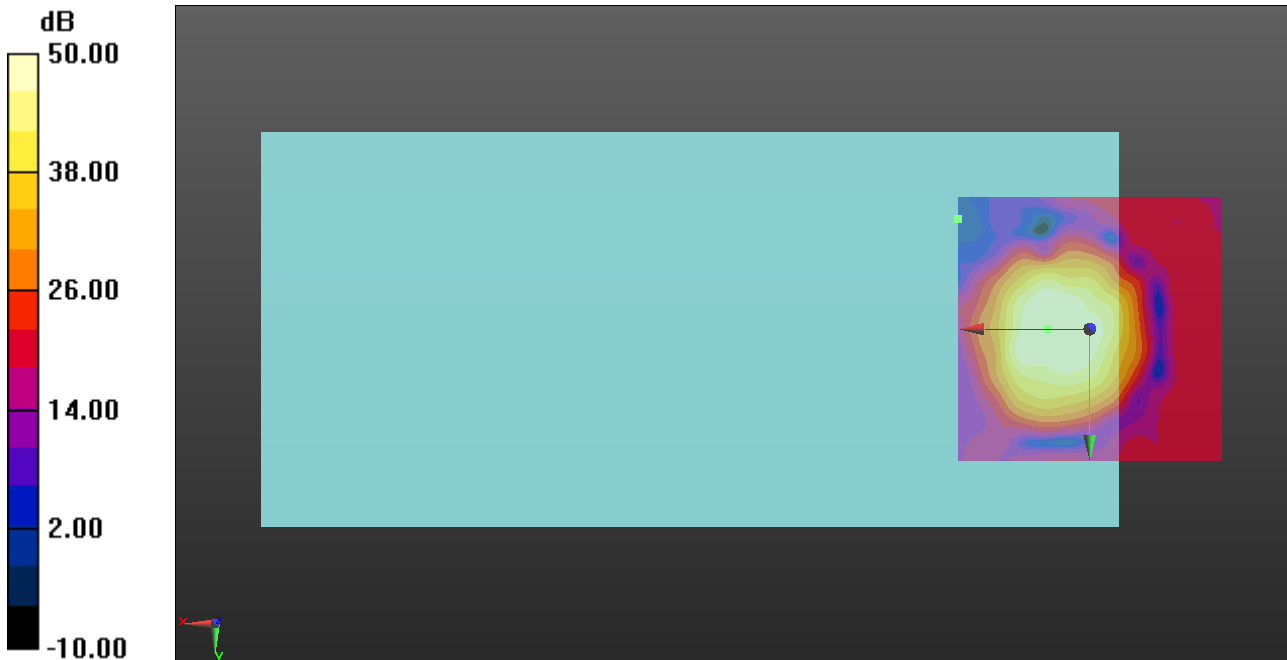
ABM1 comp = 5.38 dBA/m

BWC Factor = 0.16 dB

Location: 7.9, 0, 3.7 mm

ABM2 = -29.17 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 Ant.1 ch149 MCS3 EVS nb 5.9kbps/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: 15.35

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.96 dB

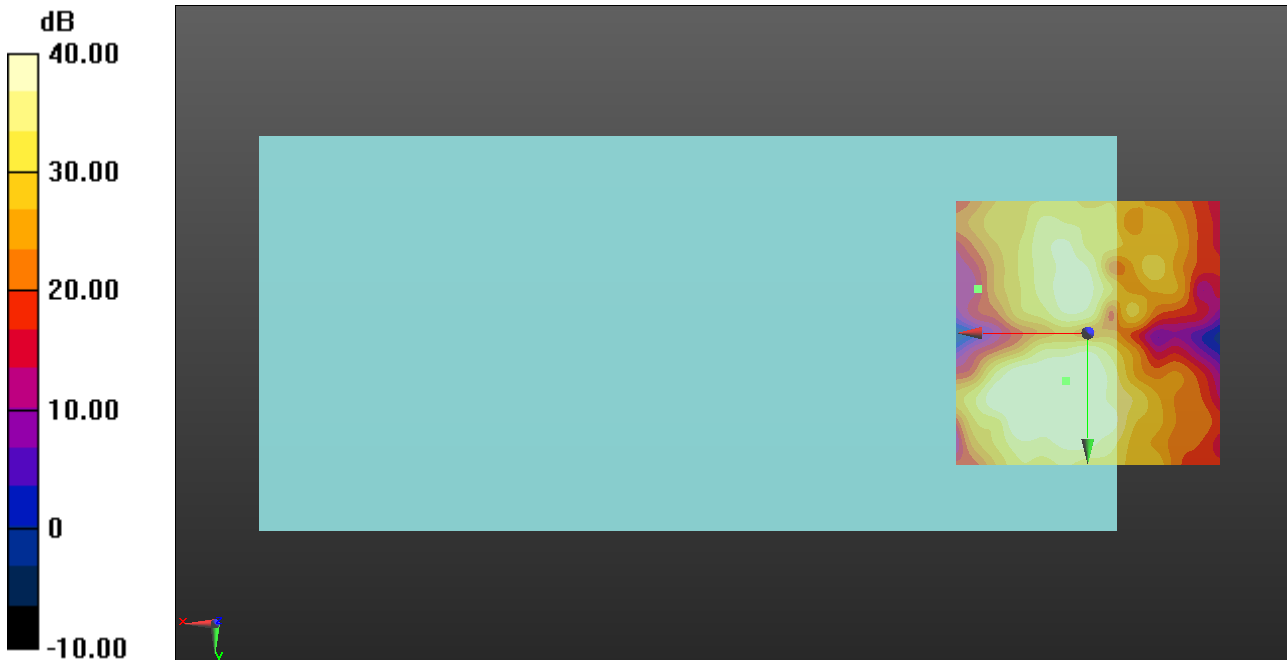
ABM1 comp = -4.90 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 9.2, 3.7 mm

ABM2 = -29.89 dBA/m

Location: 20.8, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_EGPRS 850

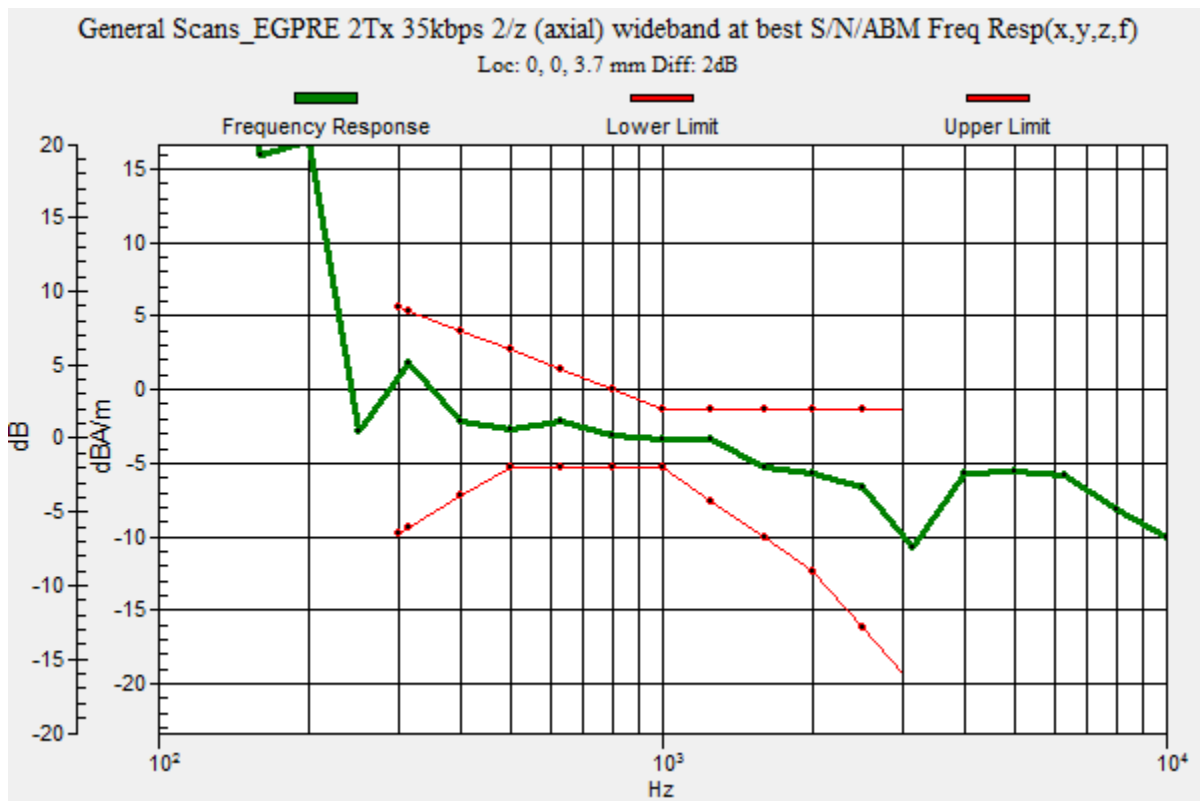
Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

T-Coil scan (scan for ANSI C63.19 2011 compliance)/EGPRS 850 ch190 duo codec 35kbps/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: 33.34
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.80 dB
 Device Reference Point: 0, 0, -6.3 mm

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

Cursor:
 Diff = 2.00 dB
 BWC Factor = 10.80 dB
 Location: 0, 0, 3.7 mm



OTT_EGPRS 850

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 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 Sn1447; Calibrated: 2018-03-15
- 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)/EGPRS 850 ch190 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.53 dB

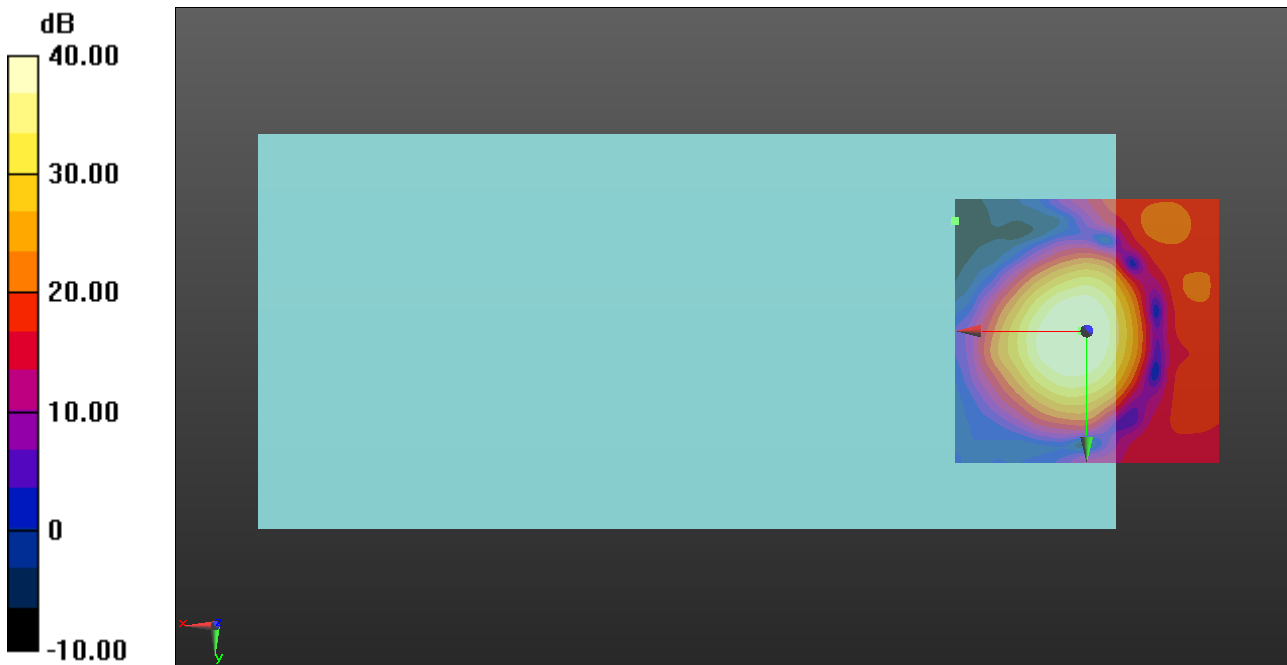
ABM1 comp = 3.16 dBA/m

BWC Factor = 0.16 dB

Location: 0.8, 0, 3.7 mm

ABM2 = -8.85 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_EGPRS 850

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 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 Sn1447; Calibrated: 2018-03-15
- 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)/EGPRS 850 ch190 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.68 dB

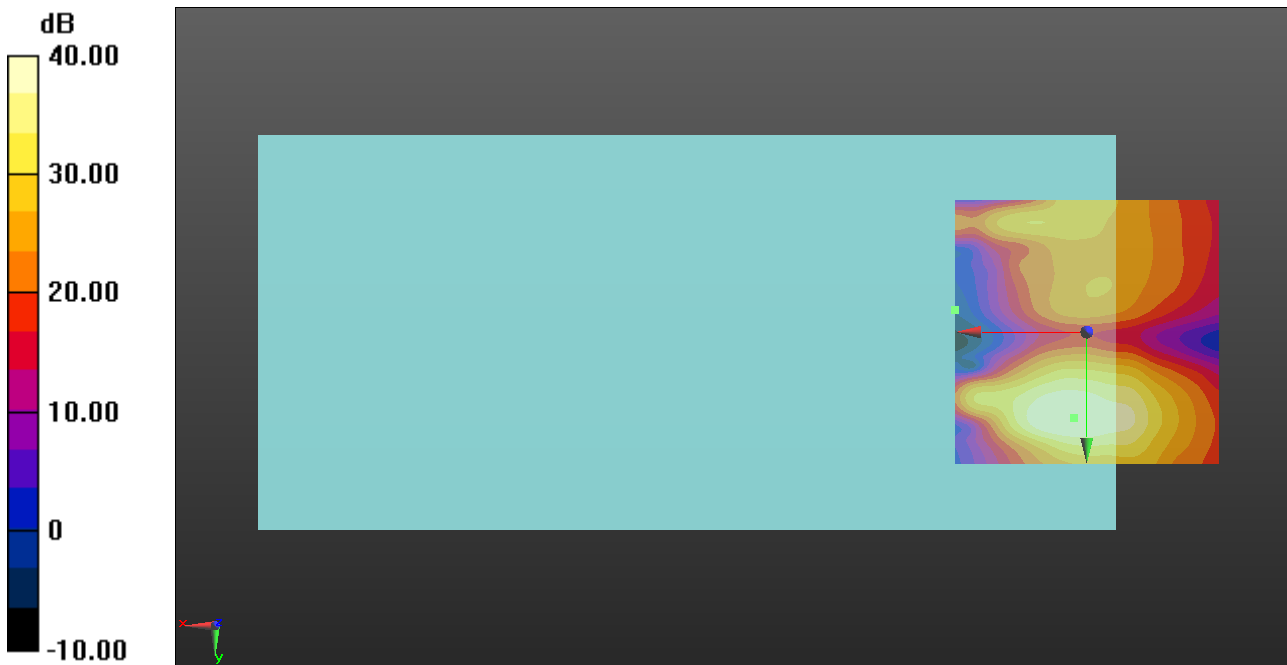
ABM1 comp = -6.61 dBA/m

BWC Factor = 0.16 dB

Location: 2.5, 16.2, 3.7 mm

ABM2 = -11.95 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_EGPRS 1900

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)/EGPRS 1900 ch661 duo codec 35kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

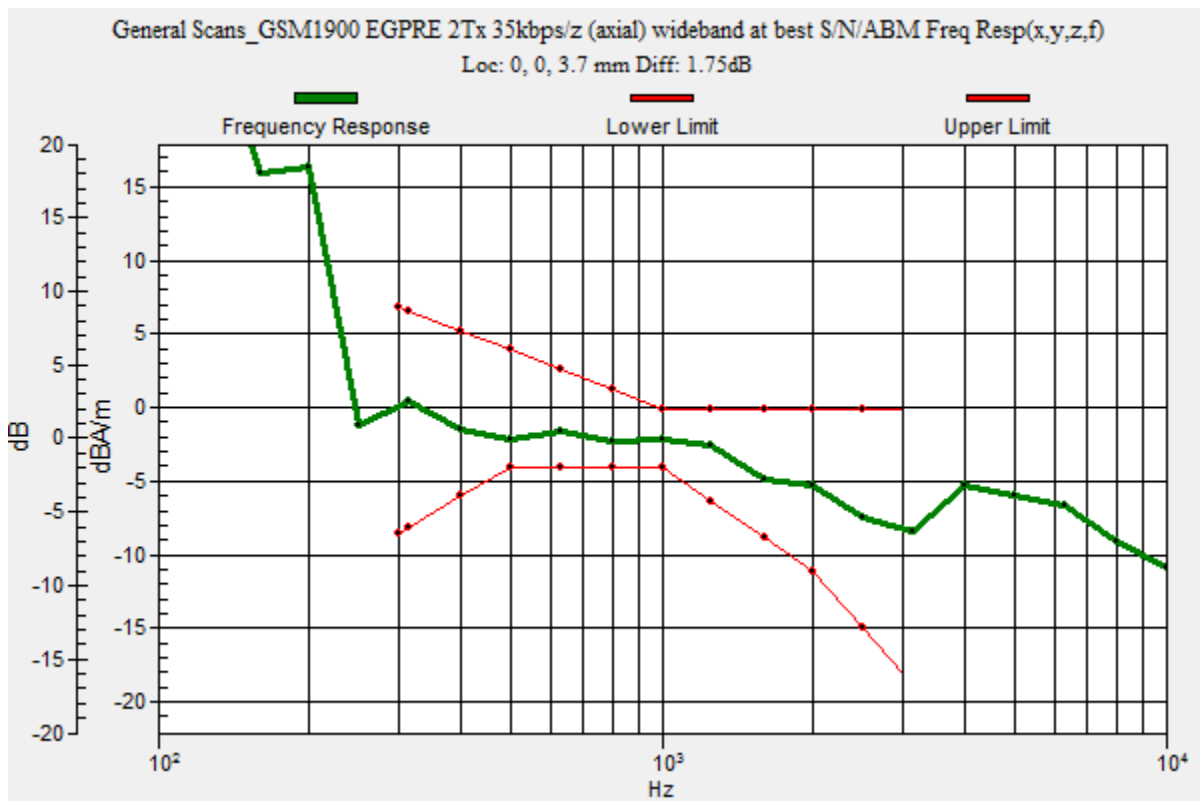
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.75 dB

BWC Factor = 10.80 dB

Location: 0, 0, 3.7 mm



OTT_EGPRS 1900

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 Sn1447; Calibrated: 2018-03-15
- 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)/EGPRS 1900 ch661 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.56 dB

ABM1 comp = 4.43 dBA/m

BWC Factor = 0.16 dB

Location: 3.8, 0.8, 3.7 mm

ABM2 = -10.36 dBA/m

Location: 25, -16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_EGPRS 1900

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 Sn1447; Calibrated: 2018-03-15
- 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)/EGPRS 1900 ch661 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.94 dB

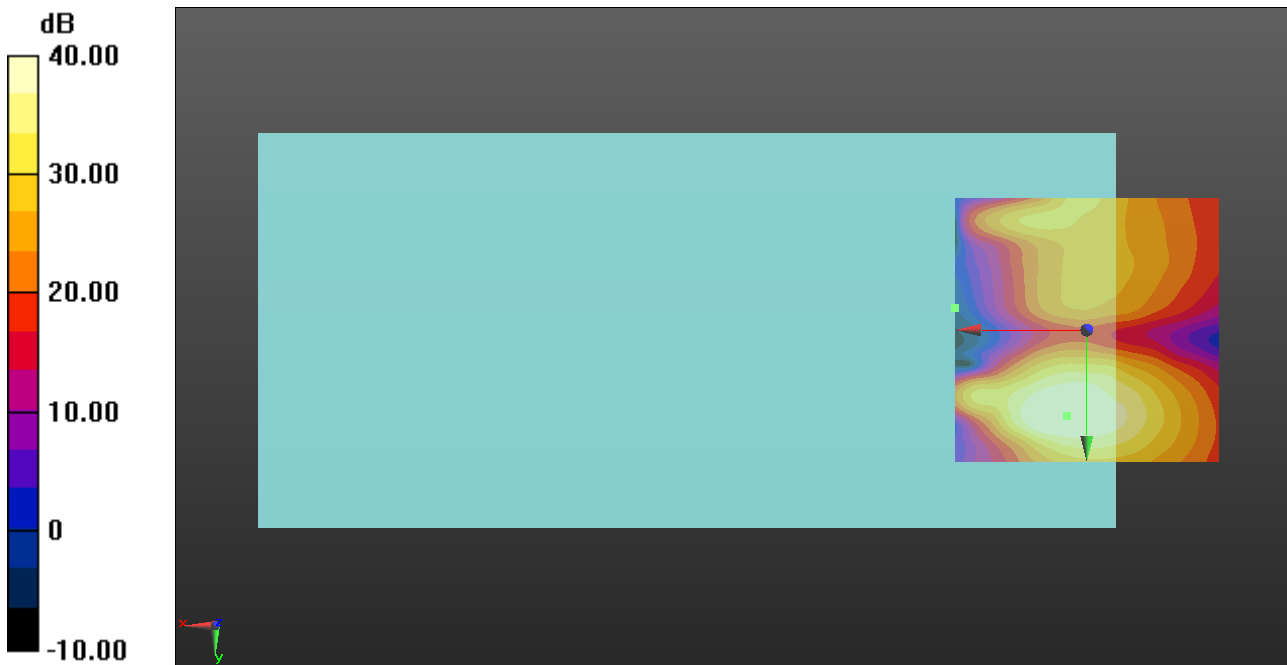
ABM1 comp = -5.60 dBA/m

BWC Factor = 0.16 dB

Location: 3.8, 16.2, 3.7 mm

ABM2 = -13.23 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_HSUPA Band II

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA Band II ch9262 duo codec 35kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

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

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 6.8, 0.7, 3.7 mm



OTT_HSUPA Band II

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1852.4 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 Sn1447; Calibrated: 2018-03-15
- 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 Band II ch9262 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.95 dB

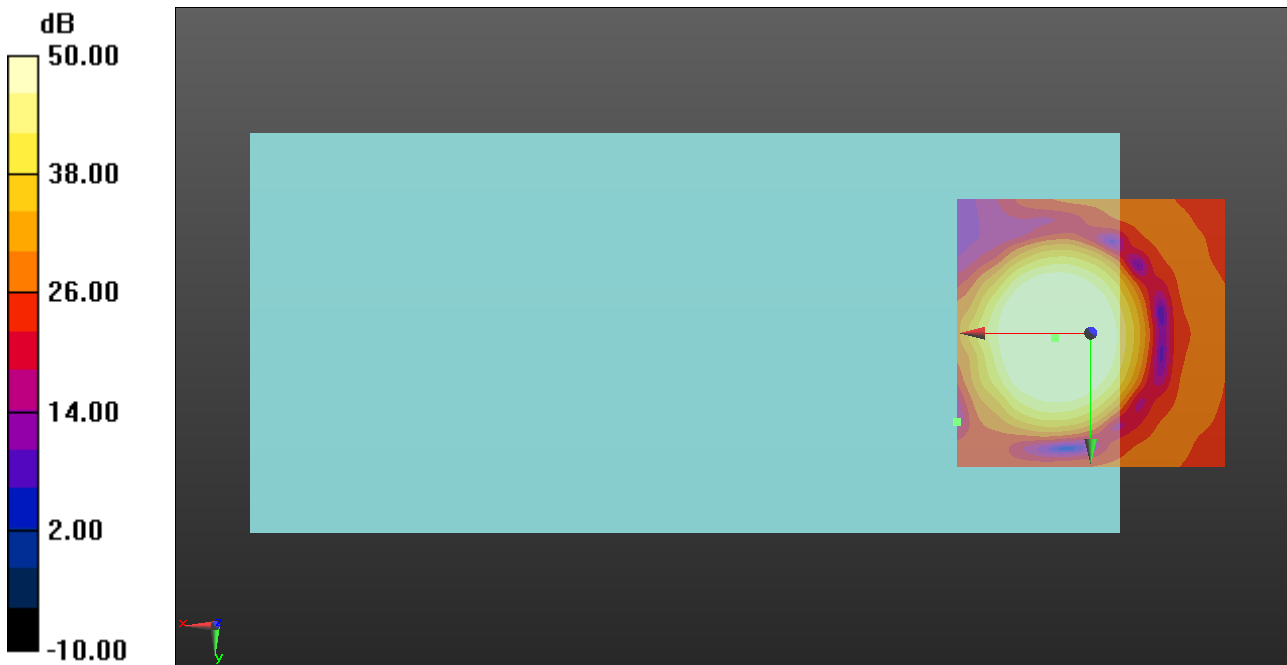
ABM1 comp = 9.55 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 0.8, 3.7 mm

ABM2 = -33.18 dBA/m

Location: 25, 16.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_HSUPA Band II

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1852.4 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 Sn1447; Calibrated: 2018-03-15
- 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 Band II ch9262 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.32 dB

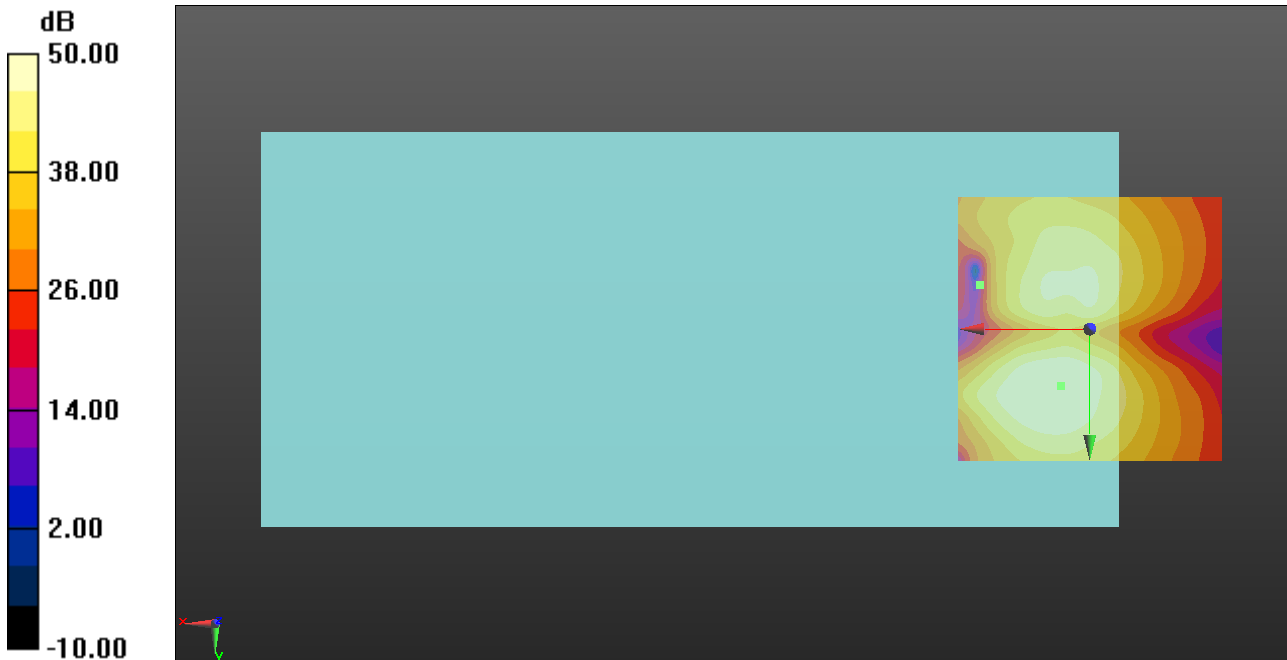
ABM1 comp = 0.61 dBA/m

BWC Factor = 0.16 dB

Location: 5.4, 10.8, 3.7 mm

ABM2 = -23.58 dBA/m

Location: 20.8, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_HSUPA Band IV

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA Band IV ch1312 duo codec 35kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

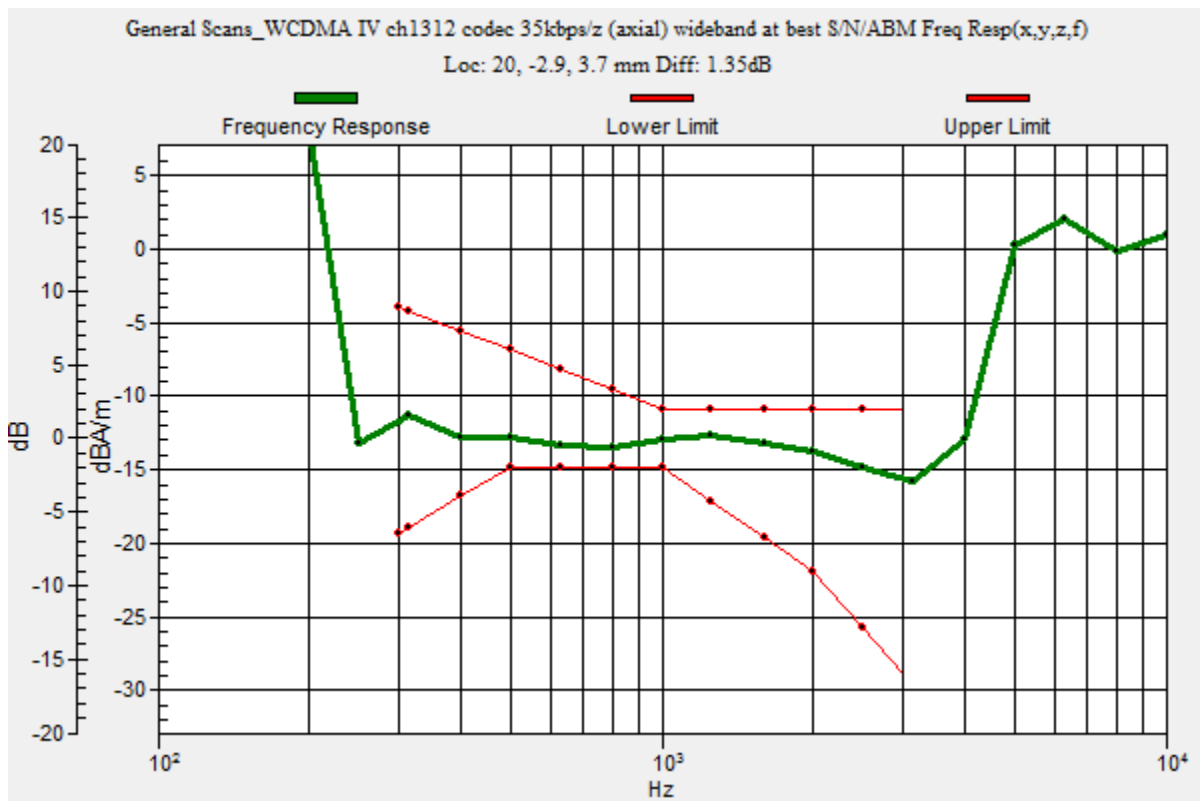
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.35 dB

BWC Factor = 10.80 dB

Location: 20, -2.9, 3.7 mm



OTT_HSUPA Band IV

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1712.4 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 Sn1447; Calibrated: 2018-03-15
- 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 Band IV ch1312 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.41 dB

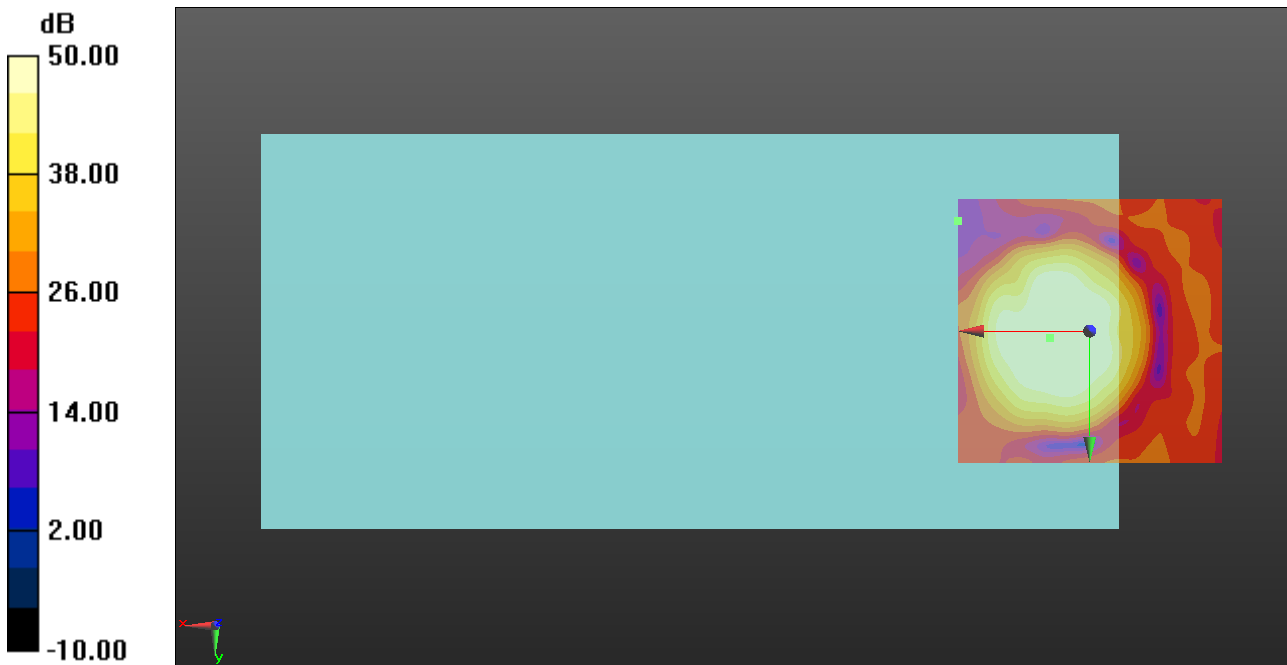
ABM1 comp = 9.55 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 1.2, 3.7 mm

ABM2 = -34.08 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_HSUPA Band IV

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1712.4 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 Sn1447; Calibrated: 2018-03-15
- 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 Band IV ch1312 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.60 dB

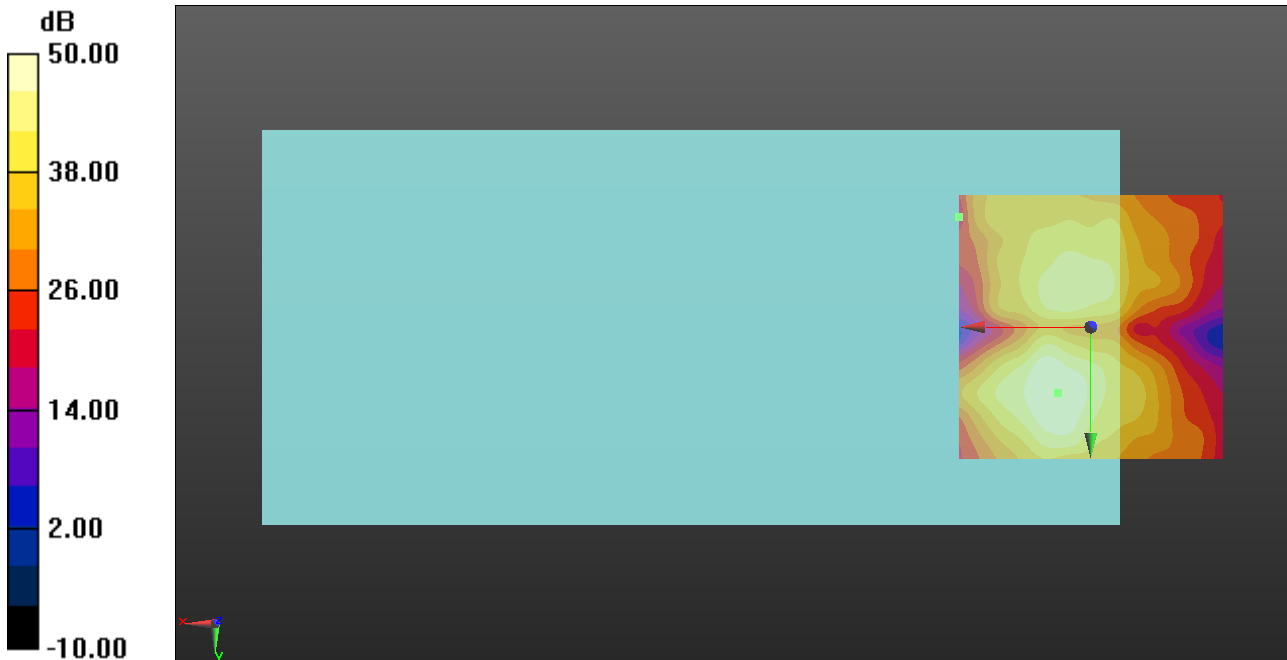
ABM1 comp = 0.73 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, 12.5, 3.7 mm

ABM2 = -33.24 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_HSUPA Band V

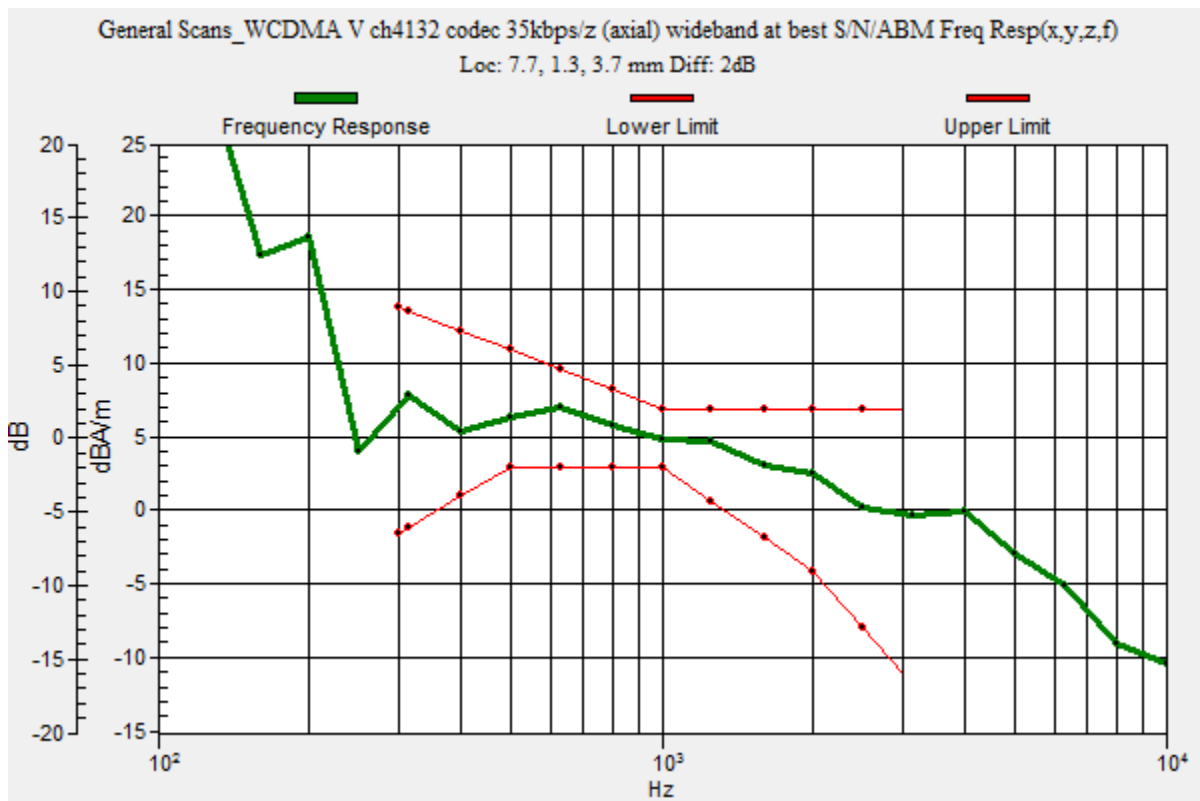
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 826.4 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/HSUPA Band V ch4132 duo codec 35kbps/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: 33.34
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.80 dB
 Device Reference Point: 0, 0, -6.3 mm

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

Cursor:
 Diff = 2.00 dB
 BWC Factor = 10.80 dB
 Location: 7.7, 1.3, 3.7 mm



OTT_HSUPA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 Band V ch4132 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 59.18 dB

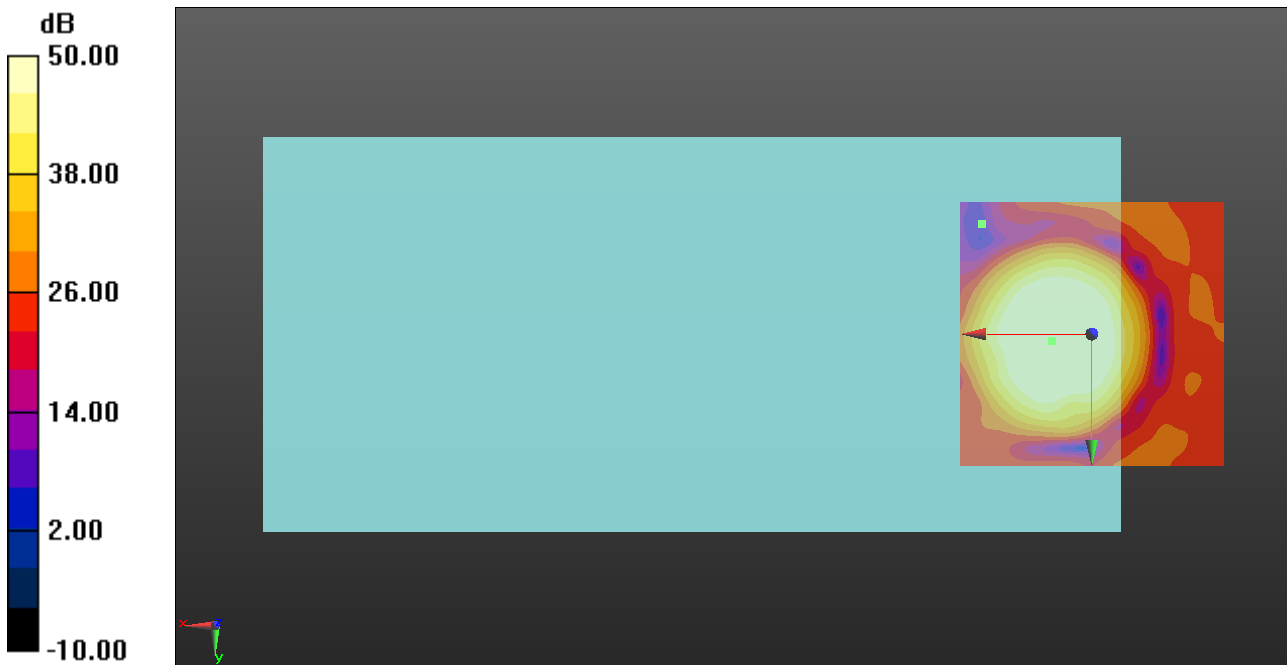
ABM1 comp = 9.39 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 1.2, 3.7 mm

ABM2 = -32.48 dBA/m

Location: 20.8, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_HSUPA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 Band V ch4132 duo codec 35kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.80 dB

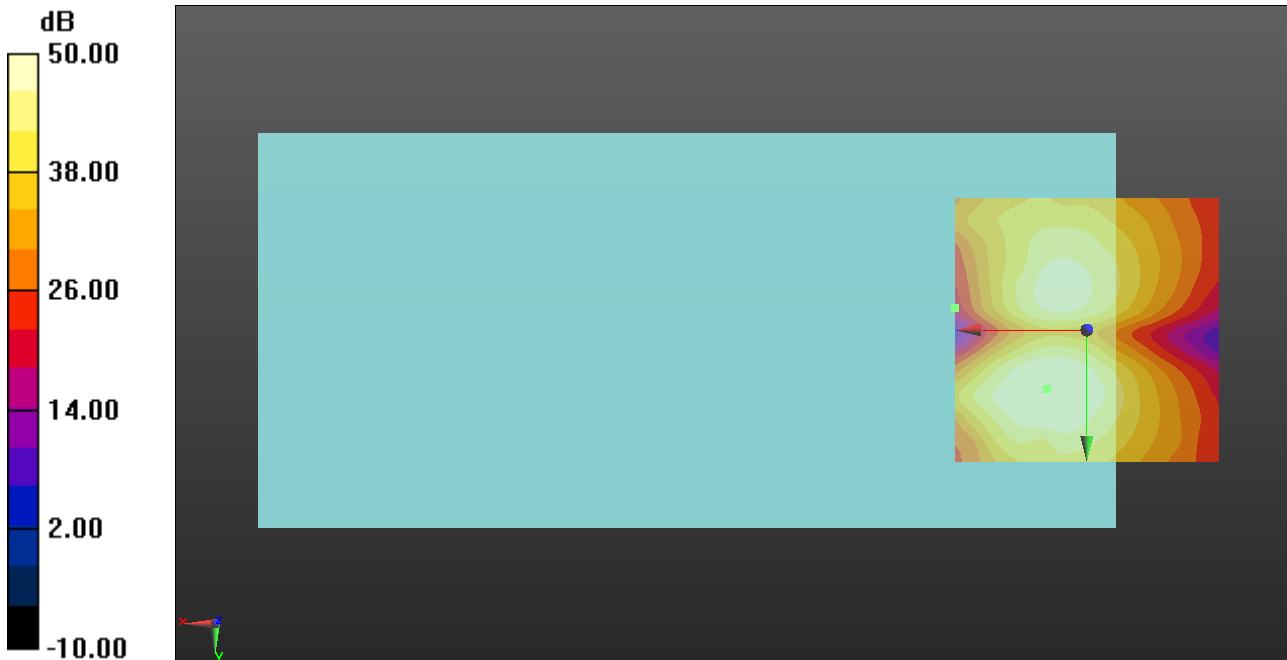
ABM1 comp = 1.05 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 11.2, 3.7 mm

ABM2 = -34.76 dBA/m

Location: 25, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE Band 7

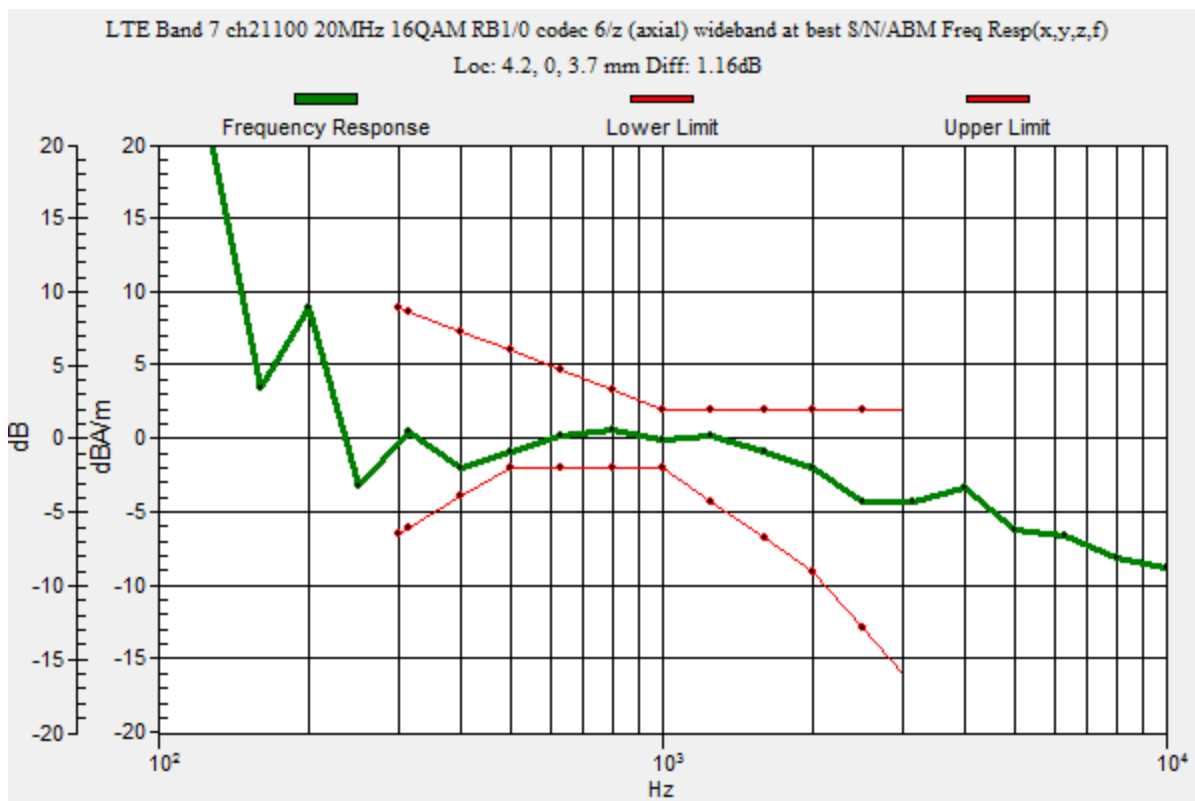
Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 ch21100 20MHz 16QAM RB1/0 duo 6kbps/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

(1x1x1): Measurement grid: dx=10mm, dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
 Output Gain: 33.34
 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 = 1.16 dB
 BWC Factor = 10.80 dB
 Location: 4.2, 0, 3.7 mm



OTT_LTE Band 7

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 20MHz 16QAM RB1/0 duo 6kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 50.15 dB

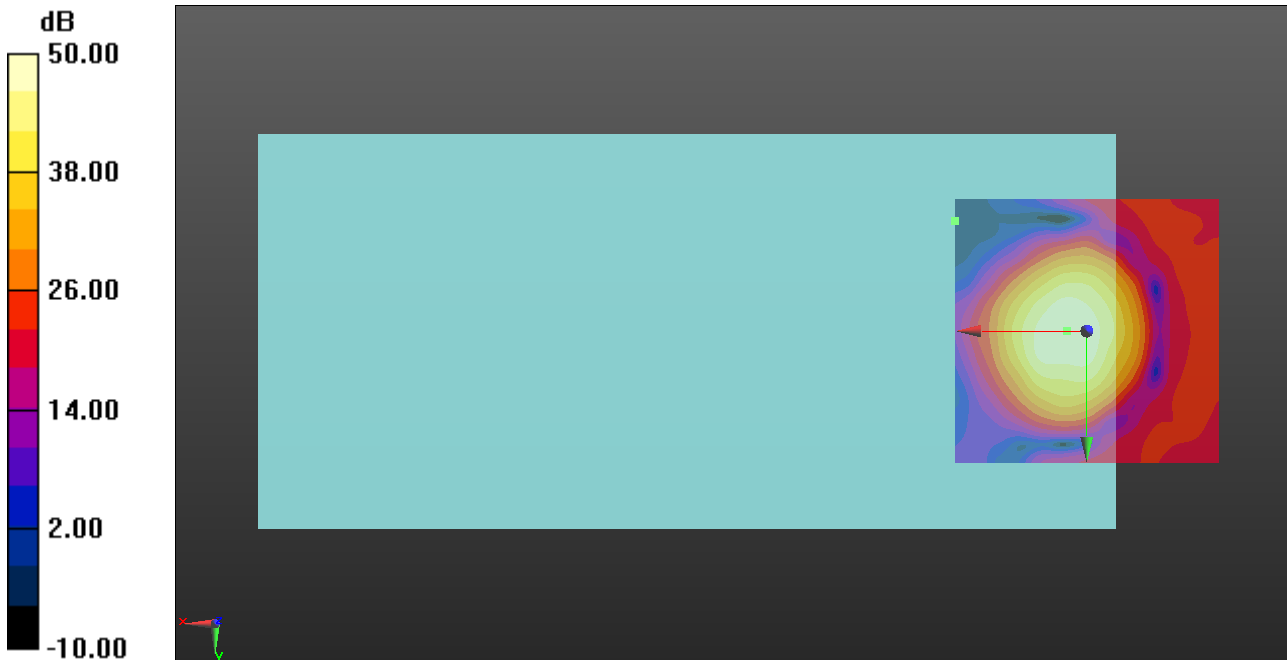
ABM1 comp = -3.51 dBA/m

BWC Factor = 0.16 dB

Location: 3.8, 0, 3.7 mm

ABM2 = -27.14 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE Band 7

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 20MHz 16QAM RB1/0 duo 6kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.30 dB

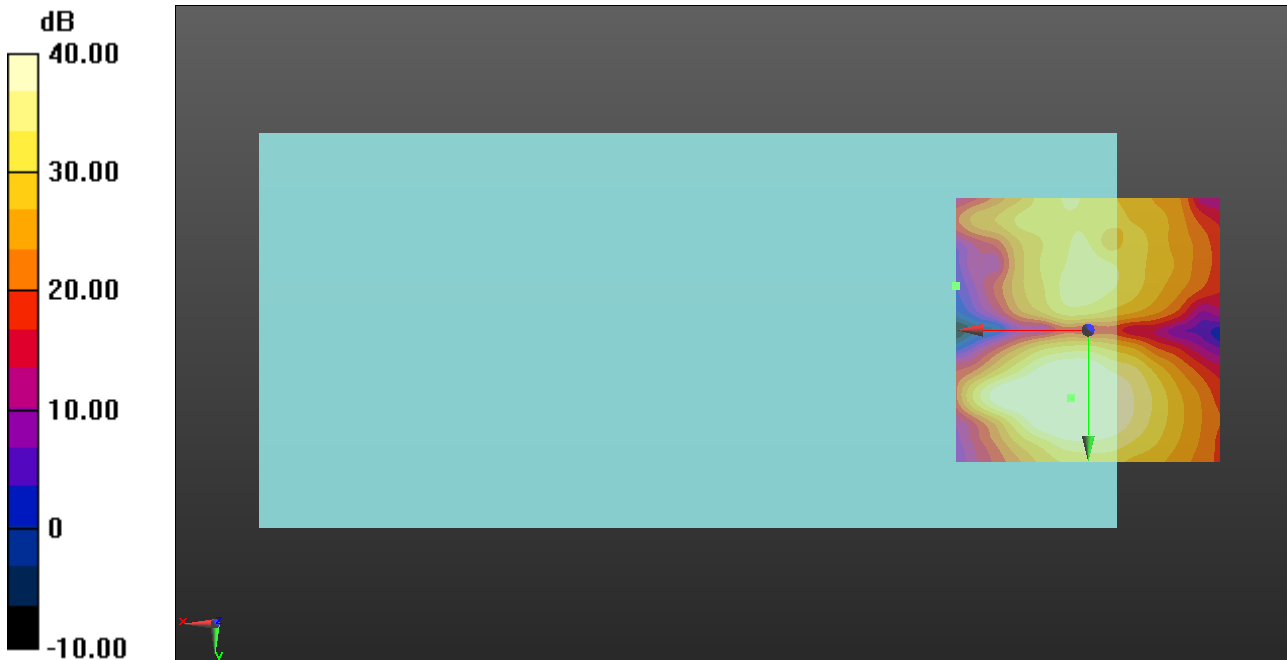
ABM1 comp = -12.50 dBA/m

BWC Factor = 0.16 dB

Location: 3.3, 12.9, 3.7 mm

ABM2 = -28.85 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_LTE Band 41

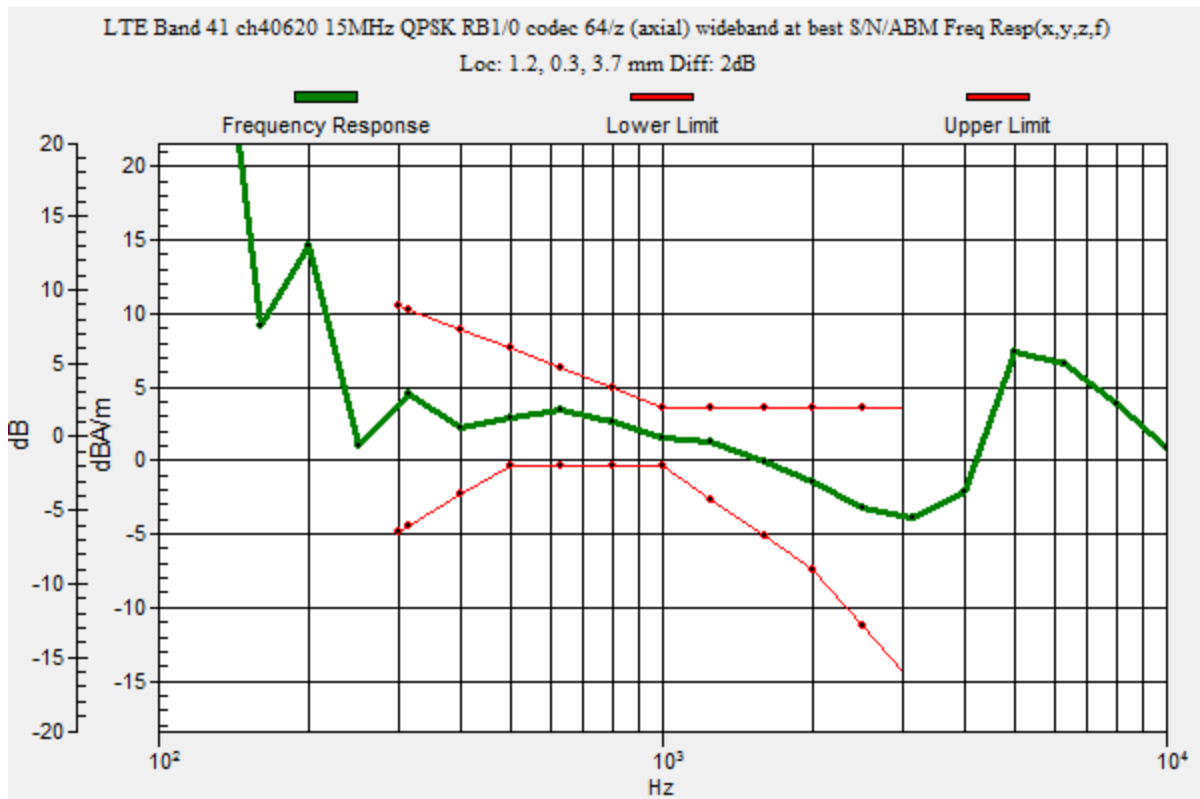
Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59956

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 ch40620 15MHz QPSK RB1/0 duo 64kbps/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: 33.34
 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: 1.2, 0.3, 3.7 mm



OTT_LTE Band 41

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 ch40620 15MHz QPSK RB1/0 duo 64kbps/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: 17

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

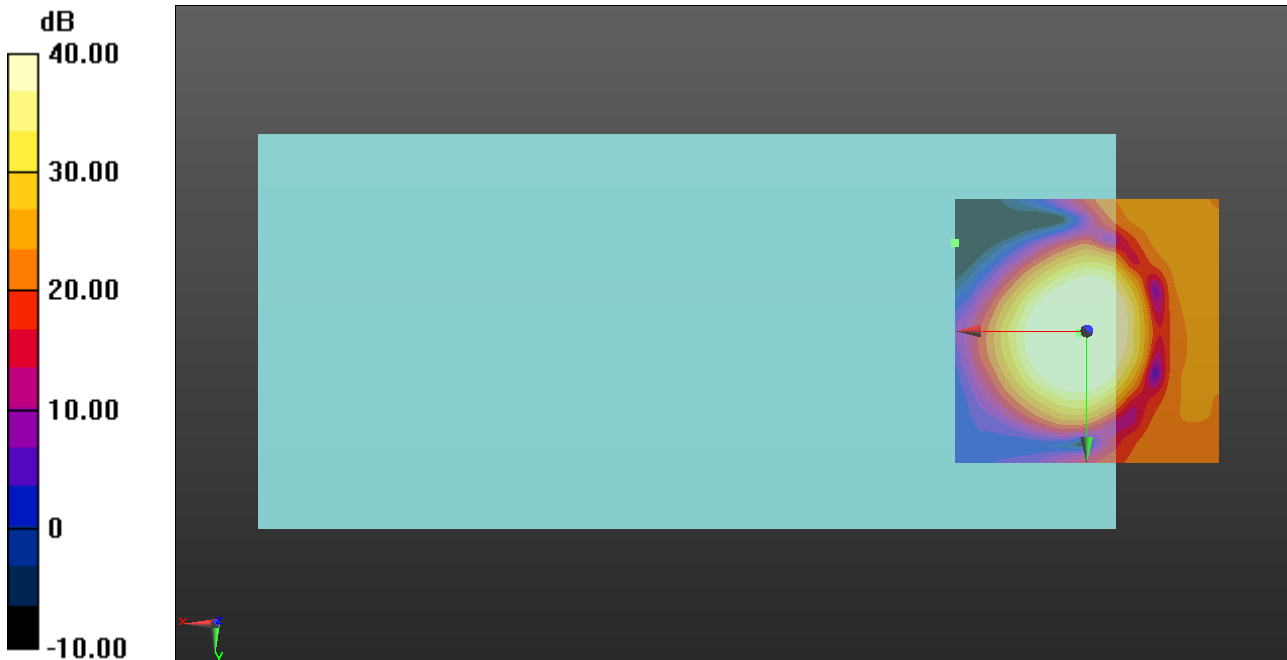
ABM1 comp = -1.82 dBA/m

BWC Factor = 0.16 dB

Location: 1.3, 0.4, 3.7 mm

ABM2 = -16.89 dBA/m

Location: 25, -16.7, 3.7 mm



OTT_LTE Band 41

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV2 - 1062; ; Calibrated: 2018-01-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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 ch40620 15MHz QPSK RB1/0 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.92 dB

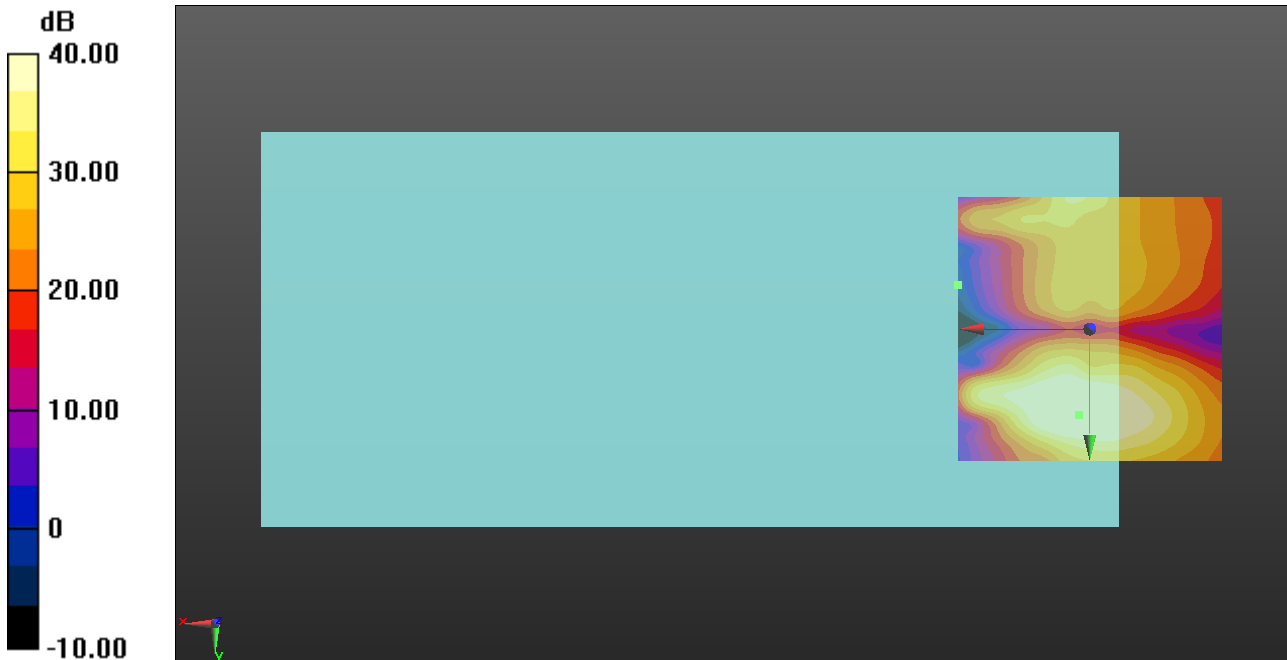
ABM1 comp = -10.99 dBA/m

BWC Factor = 0.16 dB

Location: 2.1, 16.2, 3.7 mm

ABM2 = -18.97 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11g

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11g 6Mbps ch1 duo 64kbps /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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

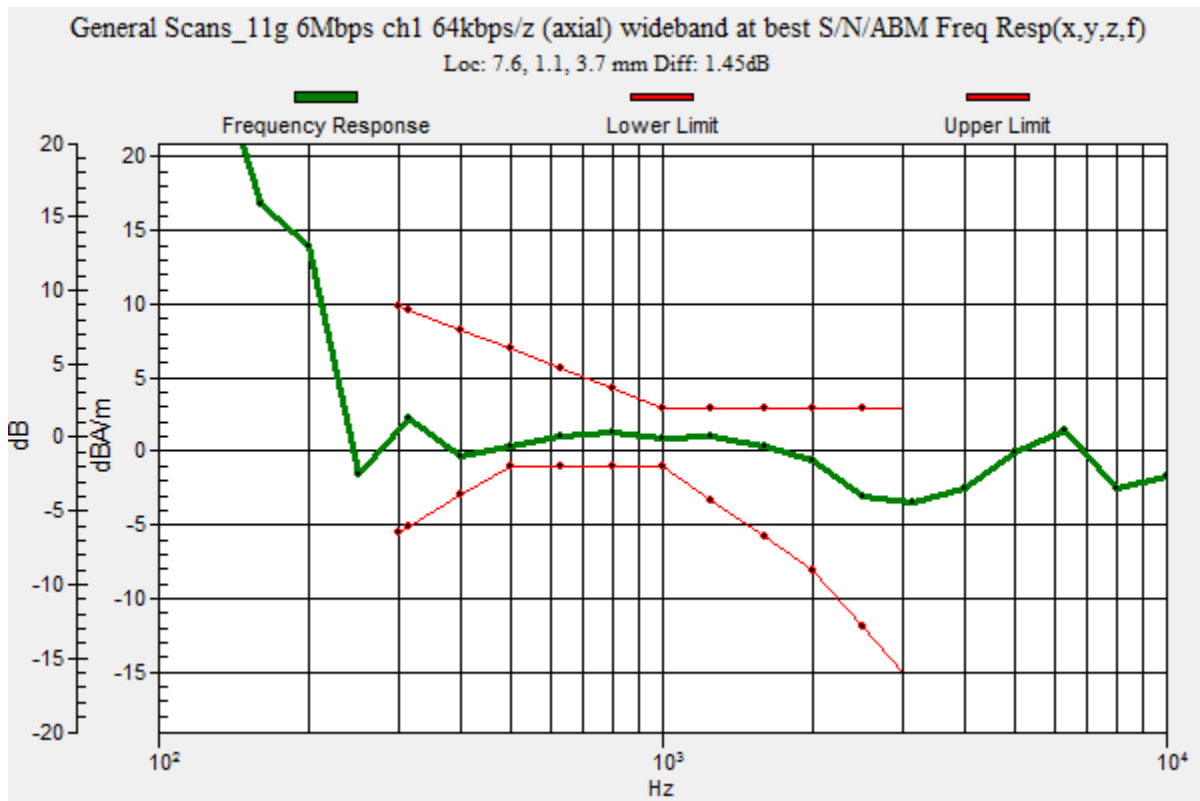
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.45 dB

BWC Factor = 10.80 dB

Location: 7.6, 1.1, 3.7 mm



OTT_802.11g

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11g 6Mbps ch1 duo 64kbps /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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.93 dB

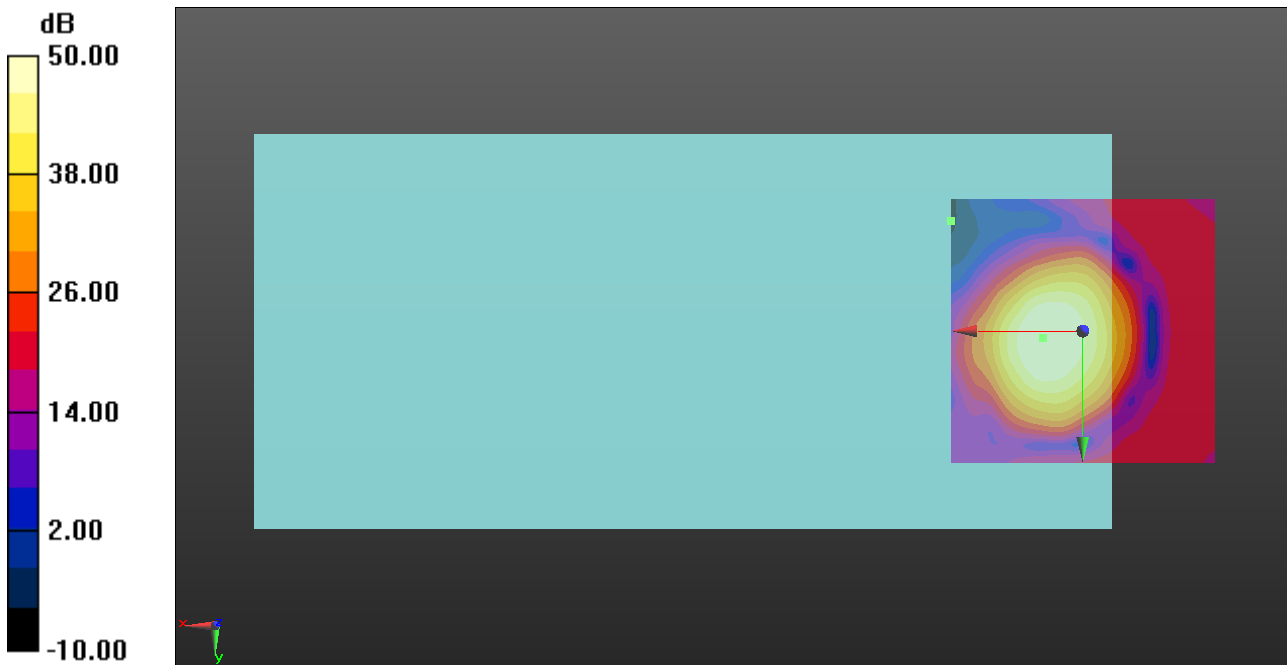
ABM1 comp = 2.90 dBA/m

BWC Factor = 0.16 dB

Location: 7.5, 1.2, 3.7 mm

ABM2 = -21.02 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11g

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11g 6Mbps ch1 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 40.68 dB

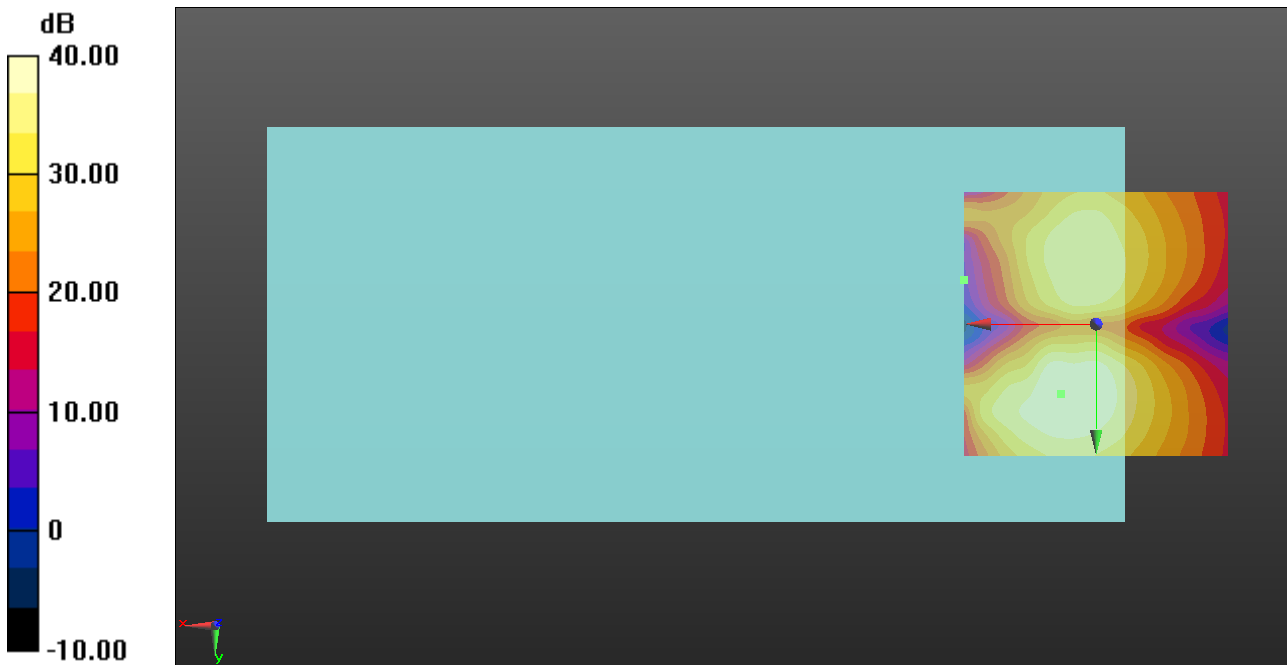
ABM1 comp = -6.22 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 13.3, 3.7 mm

ABM2 = -24.80 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 MCS3 ch36 duo 64kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

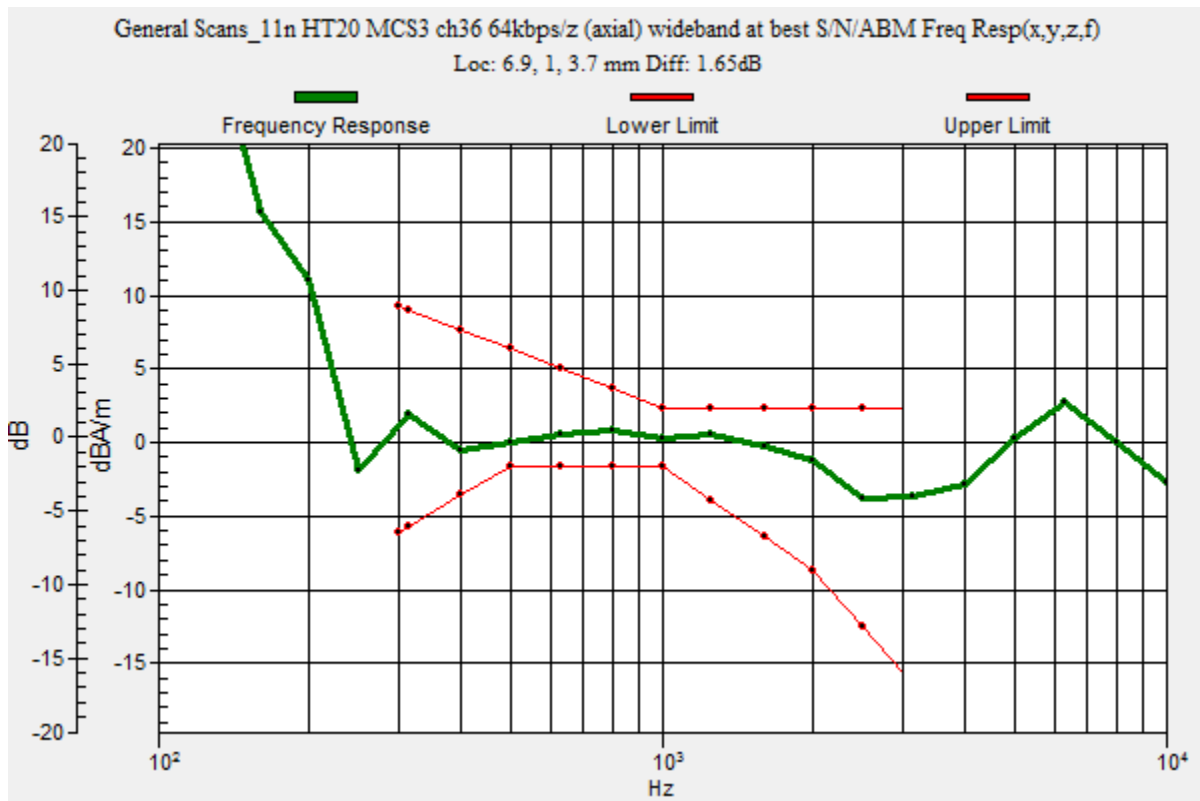
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.65 dB

BWC Factor = 10.80 dB

Location: 6.9, 1, 3.7 mm



OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch36 duo

64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.15 dB

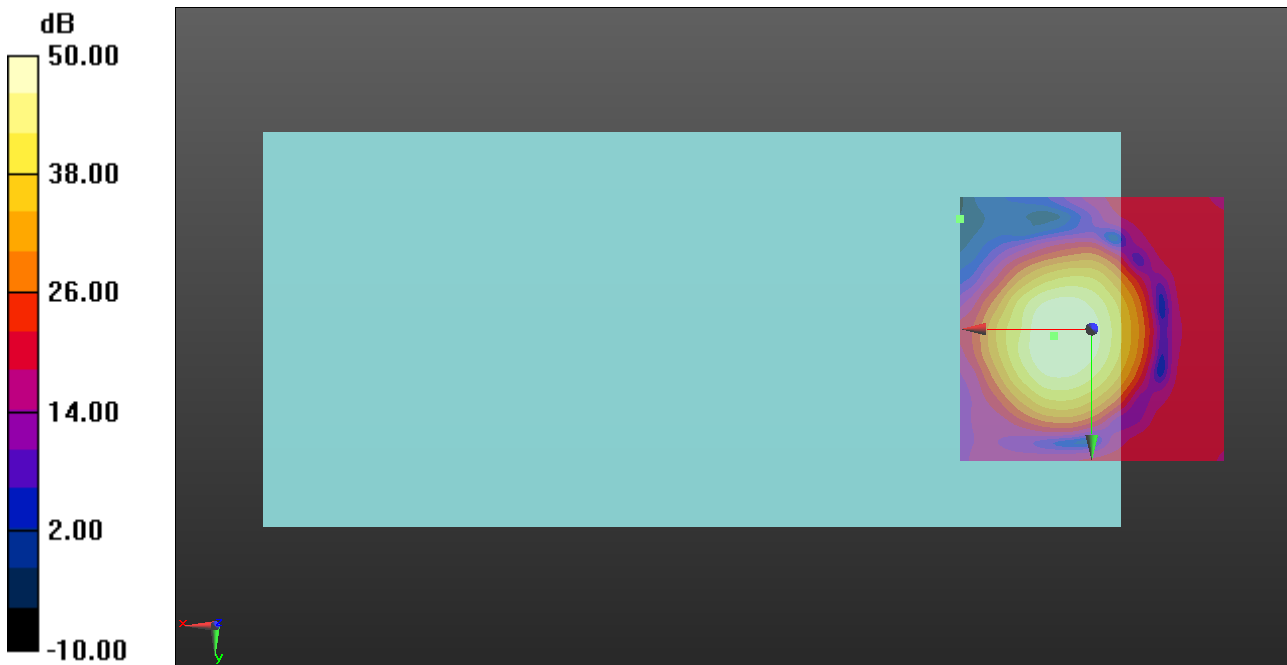
ABM1 comp = 2.93 dBA/m

BWC Factor = 0.16 dB

Location: 7.1, 1.2, 3.7 mm

ABM2 = -24.54 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch36 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.12 dB

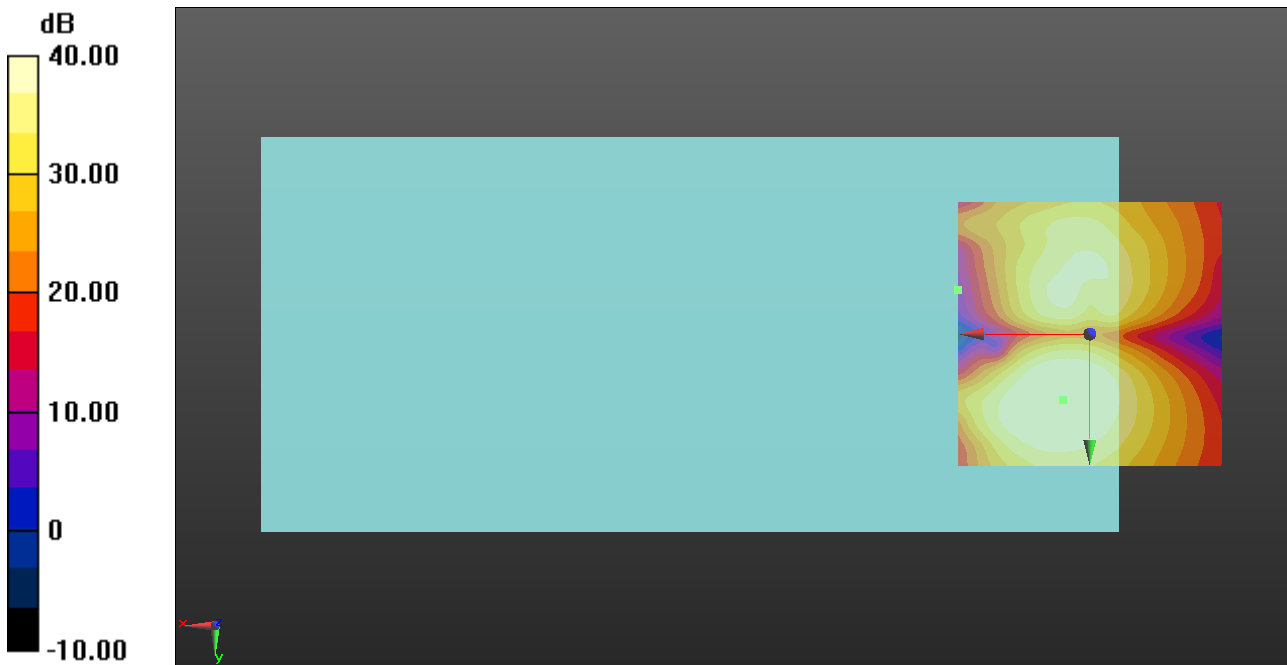
ABM1 comp = -6.08 dBA/m

BWC Factor = 0.16 dB

Location: 5, 12.5, 3.7 mm

ABM2 = -28.14 dBA/m

Location: 25, -8.3, 3.7 mm



OTT_802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 MCS3 ch52 duo 64kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

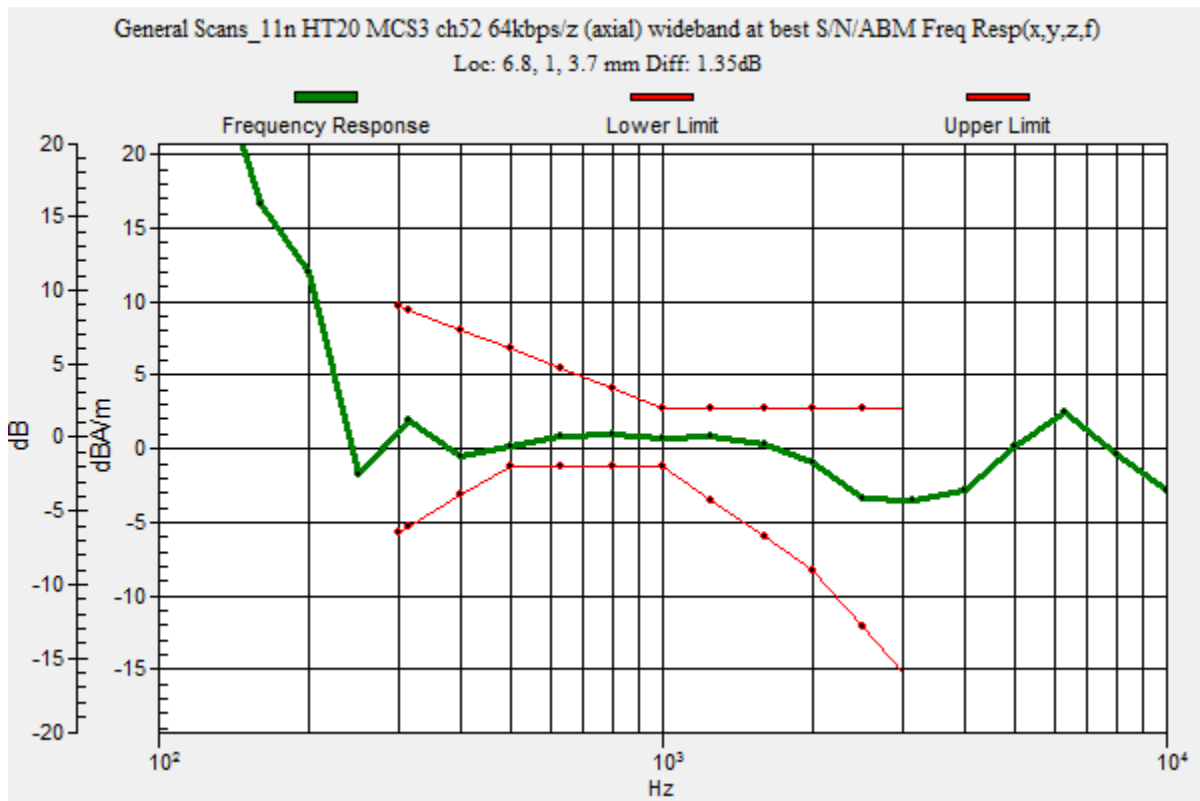
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.35 dB

BWC Factor = 10.80 dB

Location: 6.8, 1, 3.7 mm



OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch52 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 52.07 dB

ABM1 comp = 2.86 dBA/m

BWC Factor = 0.16 dB

Location: 6.7, 1.2, 3.7 mm

ABM2 = -24.46 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch52 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.04 dB

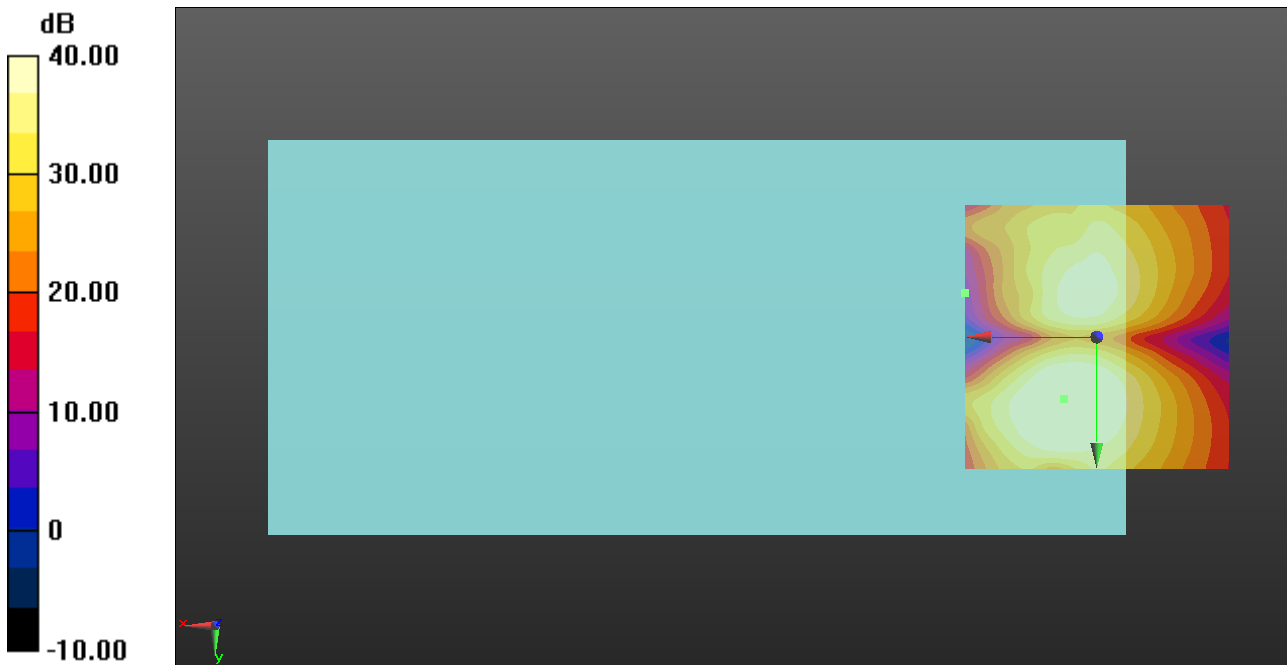
ABM1 comp = -5.66 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, 11.7, 3.7 mm

ABM2 = -28.00 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 MCS3 ch100 duo 64kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

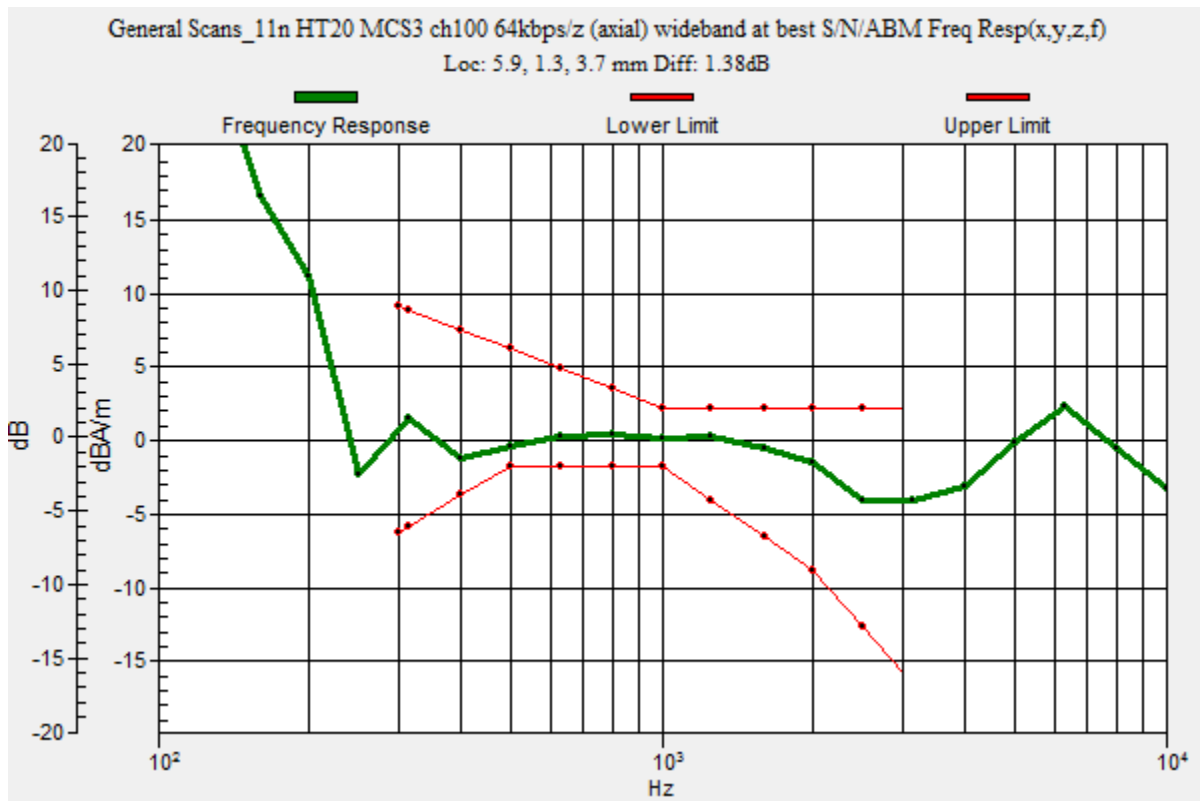
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.38 dB

BWC Factor = 10.80 dB

Location: 5.9, 1.3, 3.7 mm



OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch100 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.92 dB

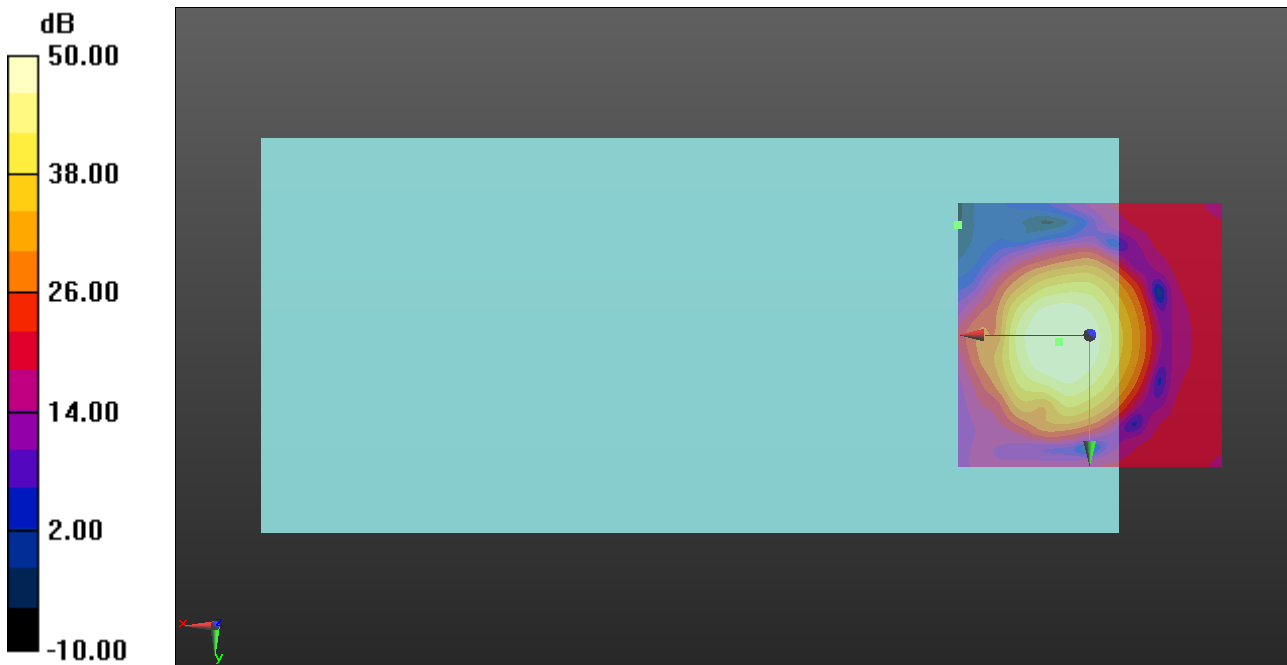
ABM1 comp = 2.51 dBA/m

BWC Factor = 0.16 dB

Location: 5.8, 1.2, 3.7 mm

ABM2 = -24.11 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch100 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.05 dB

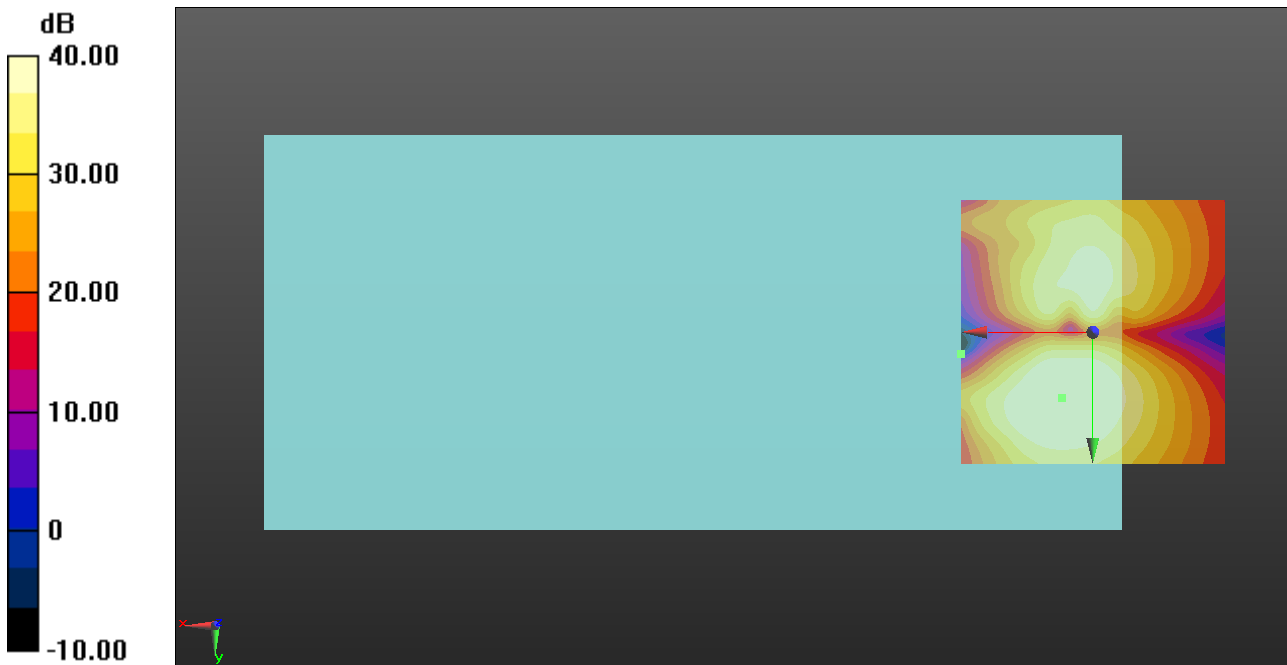
ABM1 comp = -6.02 dBA/m

BWC Factor = 0.16 dB

Location: 5.8, 12.5, 3.7 mm

ABM2 = -25.42 dBA/m

Location: 25, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n HT20 MCS3 ch149 duo 64kbps/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: 33.34

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

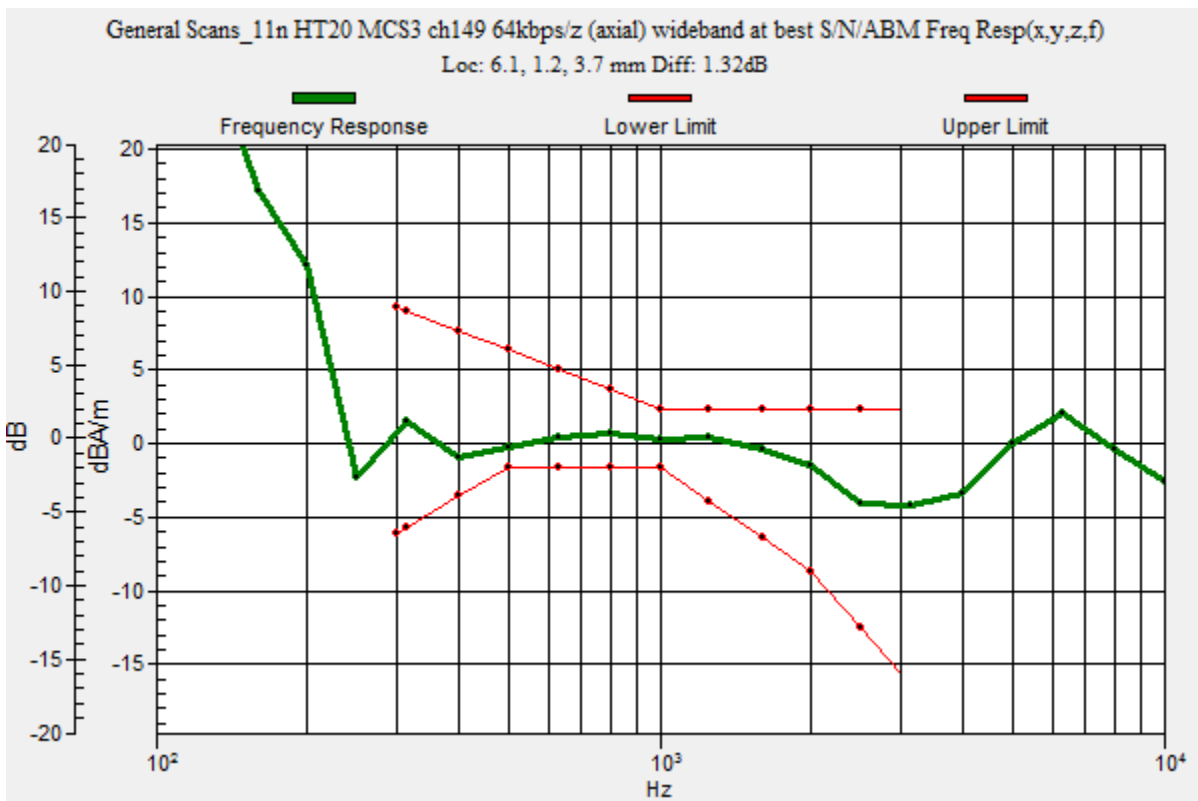
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.32 dB

BWC Factor = 10.80 dB

Location: 6.1, 1.2, 3.7 mm



OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch149 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 51.88 dB

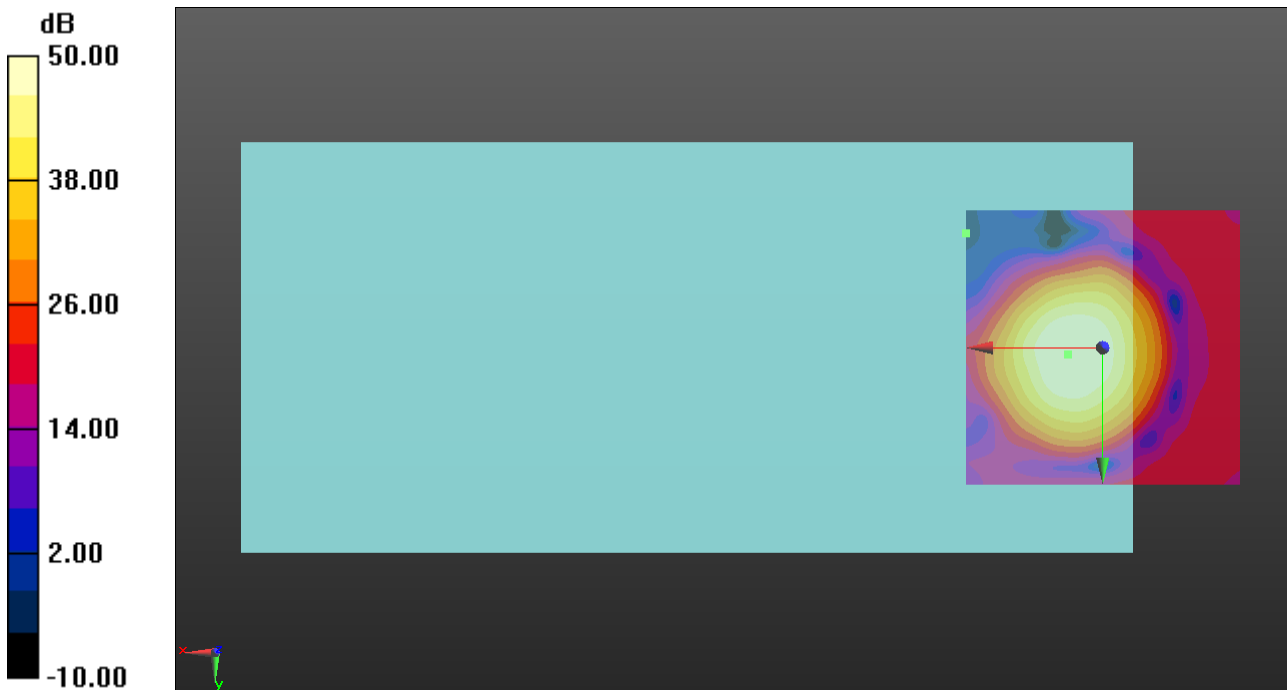
ABM1 comp = 2.50 dBA/m

BWC Factor = 0.16 dB

Location: 6.3, 1.2, 3.7 mm

ABM2 = -24.41 dBA/m

Location: 25, -20.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

OTT_802.11n

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3137; ; Calibrated: 2018-11-20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2018-03-15
- 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)/802.11n HT20 MCS3 ch149 duo 64kbps/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: 17

Measure Window Start: 300ms

Measure Window Length: 3000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.23 dB

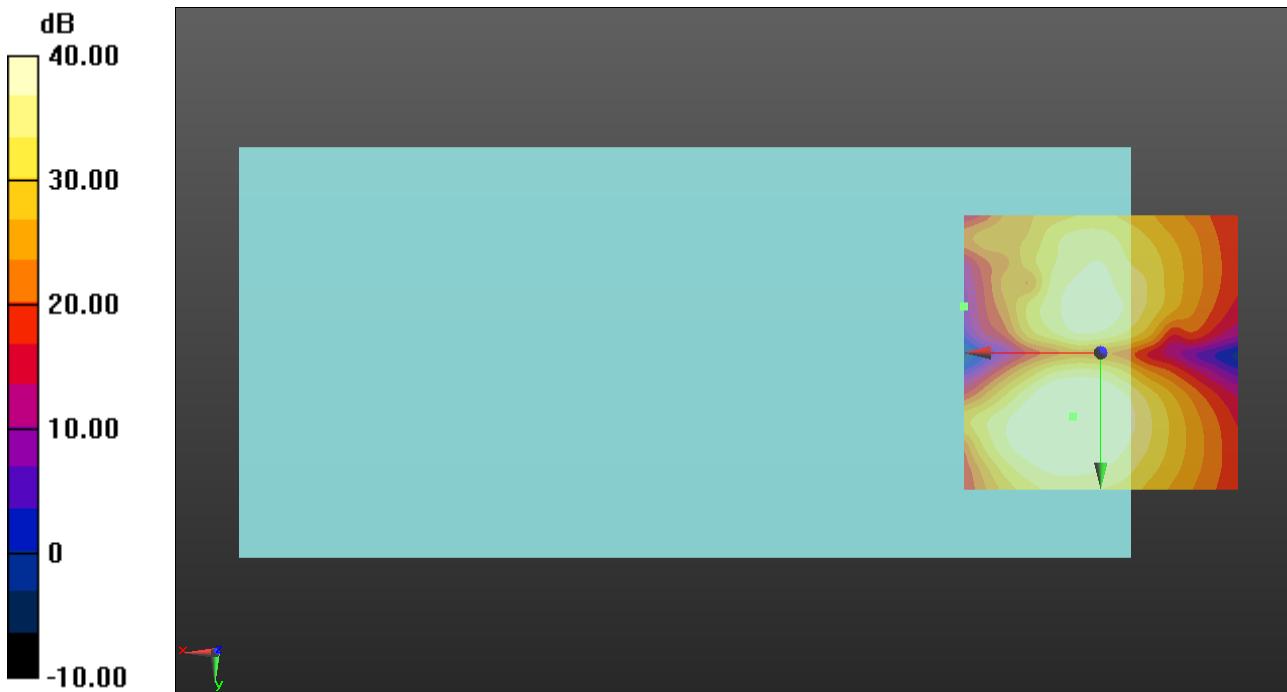
ABM1 comp = -5.88 dBA/m

BWC Factor = 0.16 dB

Location: 5, 11.7, 3.7 mm

ABM2 = -28.19 dBA/m

Location: 25, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB