

GSM850

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 190/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

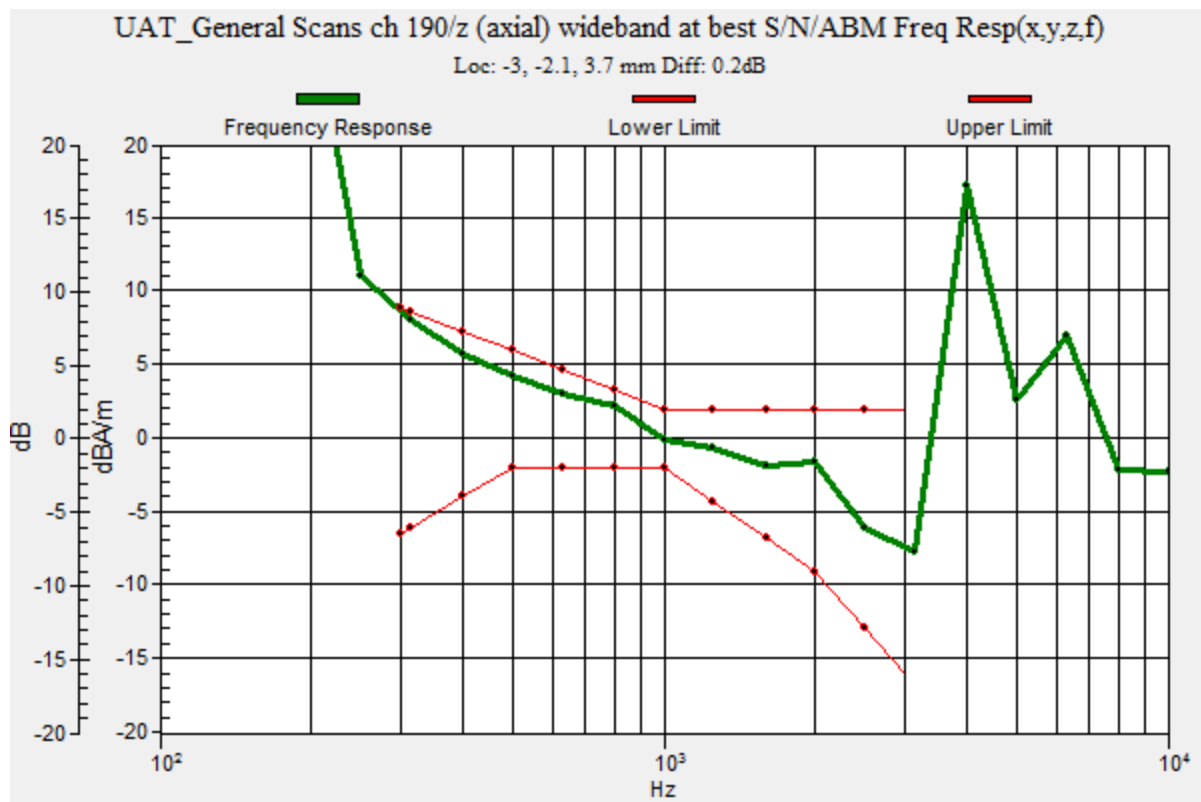
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.20 dB

BWC Factor = 10.80 dB

Location: -3, -2.1, 3.7 mm



GSM850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 190/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

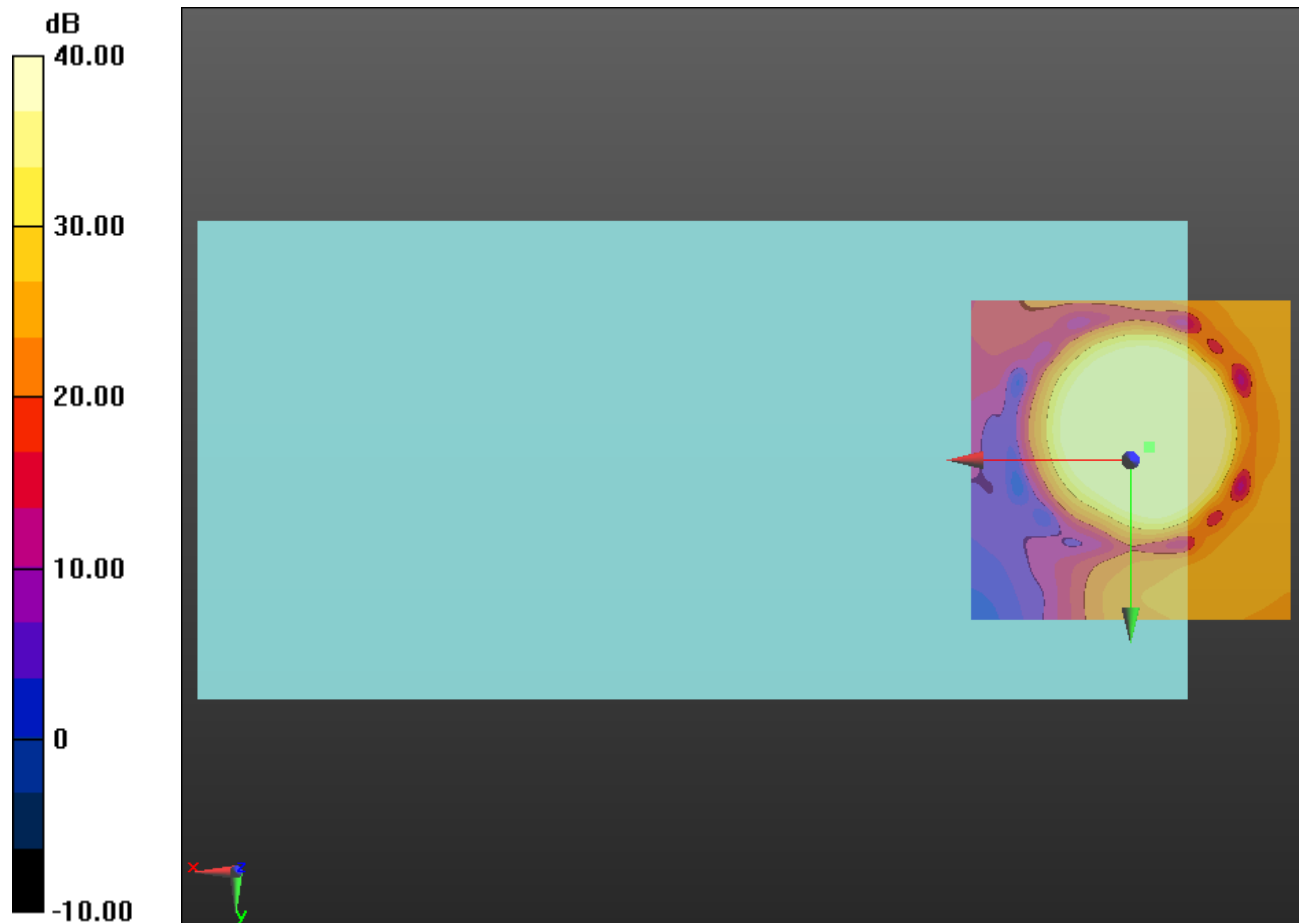
Cursor:

ABM1/ABM2 = 55.46 dB

ABM1 comp = 11.06 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -2.1, 3.7 mm



GSM850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 190/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

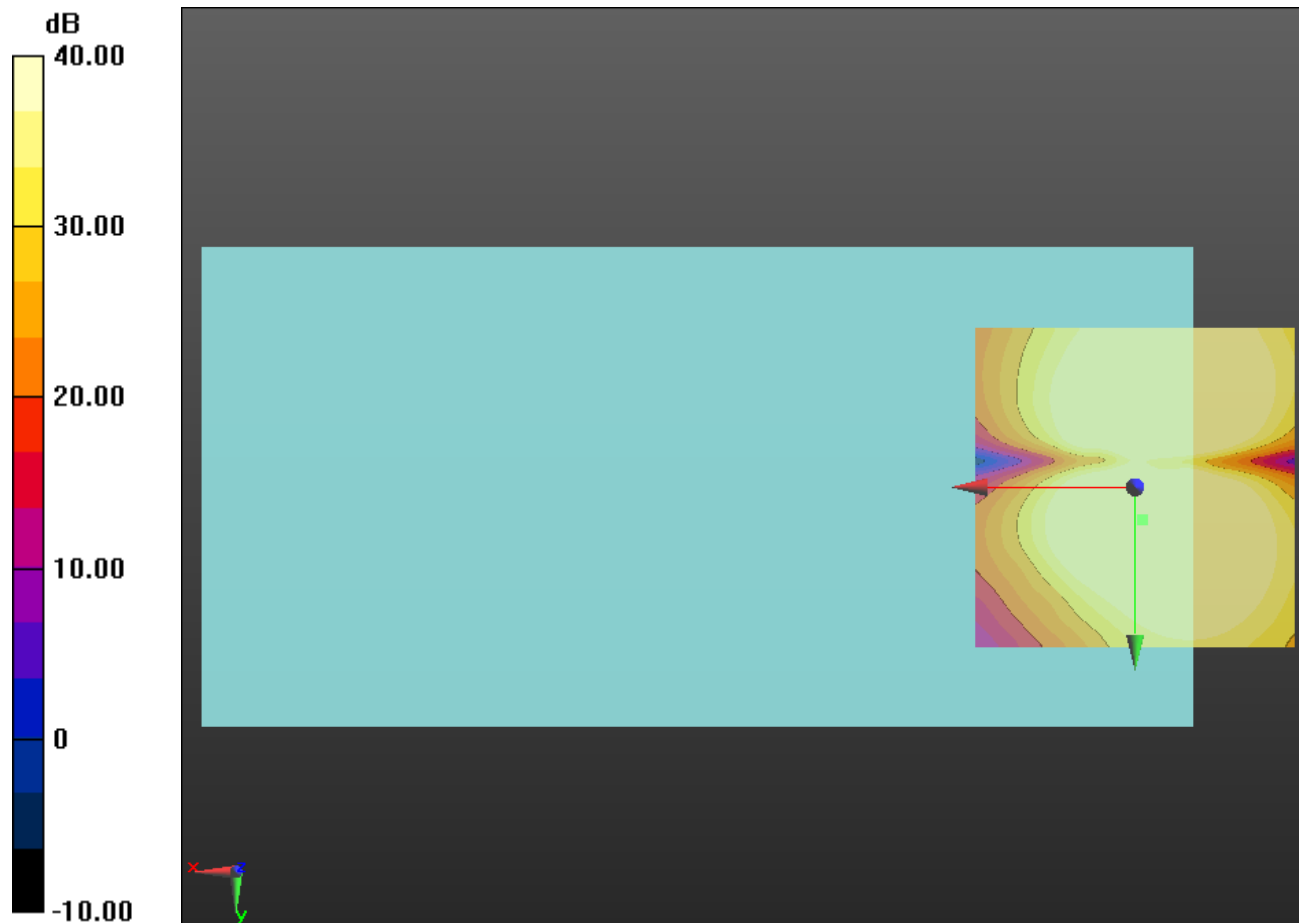
Cursor:

ABM1/ABM2 = 54.35 dB

ABM1 comp = 3.81 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, 5, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

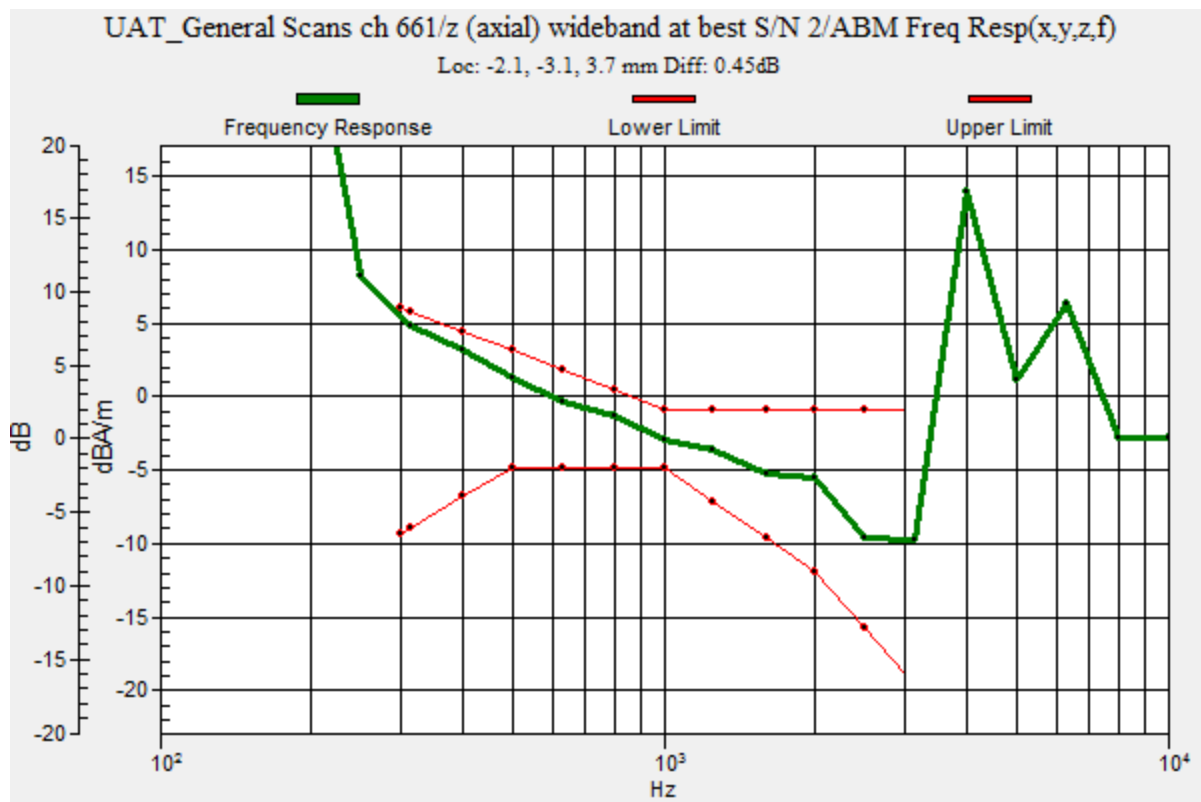
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.45 dB

BWC Factor = 10.80 dB

Location: -2.1, -3.1, 3.7 mm



GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 661/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

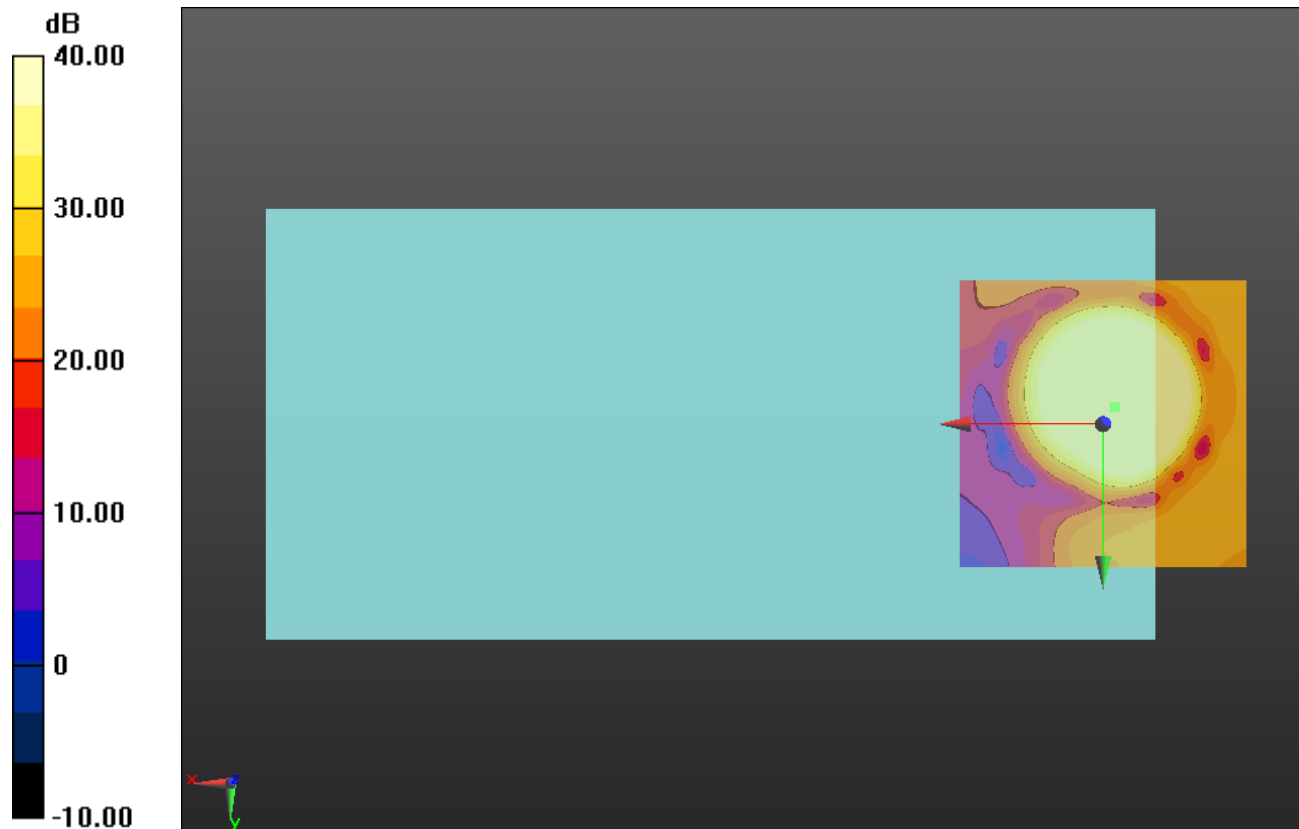
Cursor:

ABM1/ABM2 = 56.41 dB

ABM1 comp = 11.59 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -2.9, 3.7 mm



GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

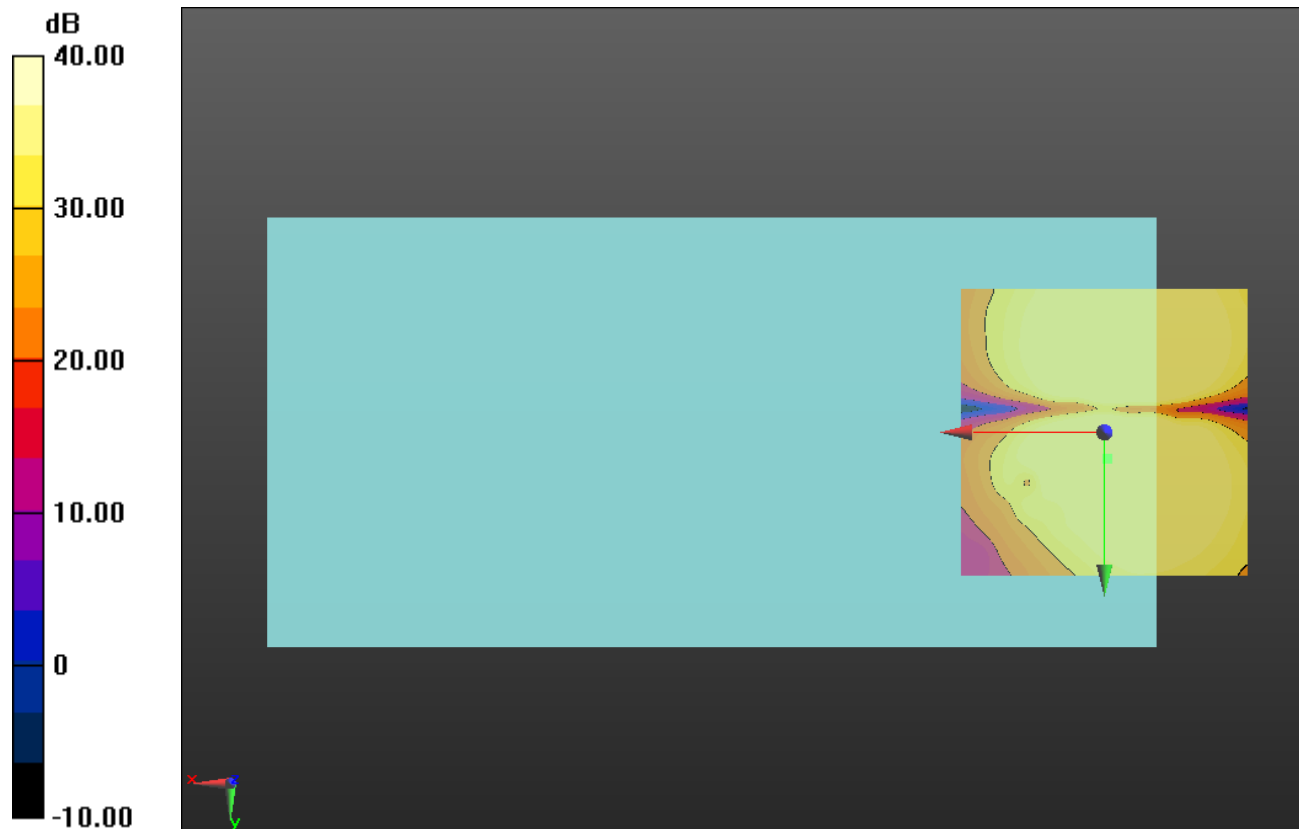
Cursor:

ABM1/ABM2 = 55.21 dB

ABM1 comp = 3.90 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 4.6, 3.7 mm



W-CDMA Band V

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 4183/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

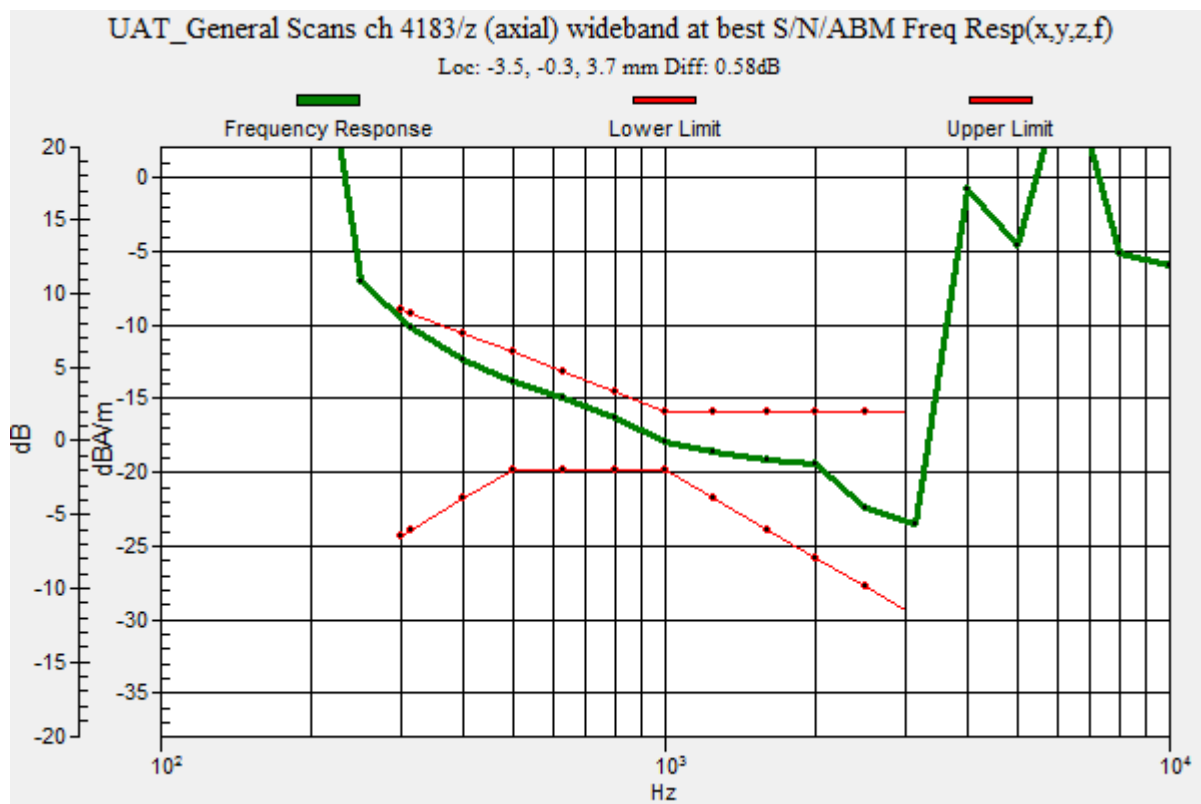
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.58 dB

BWC Factor = 10.80 dB

Location: -3.5, -0.3, 3.7 mm



W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 4183/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

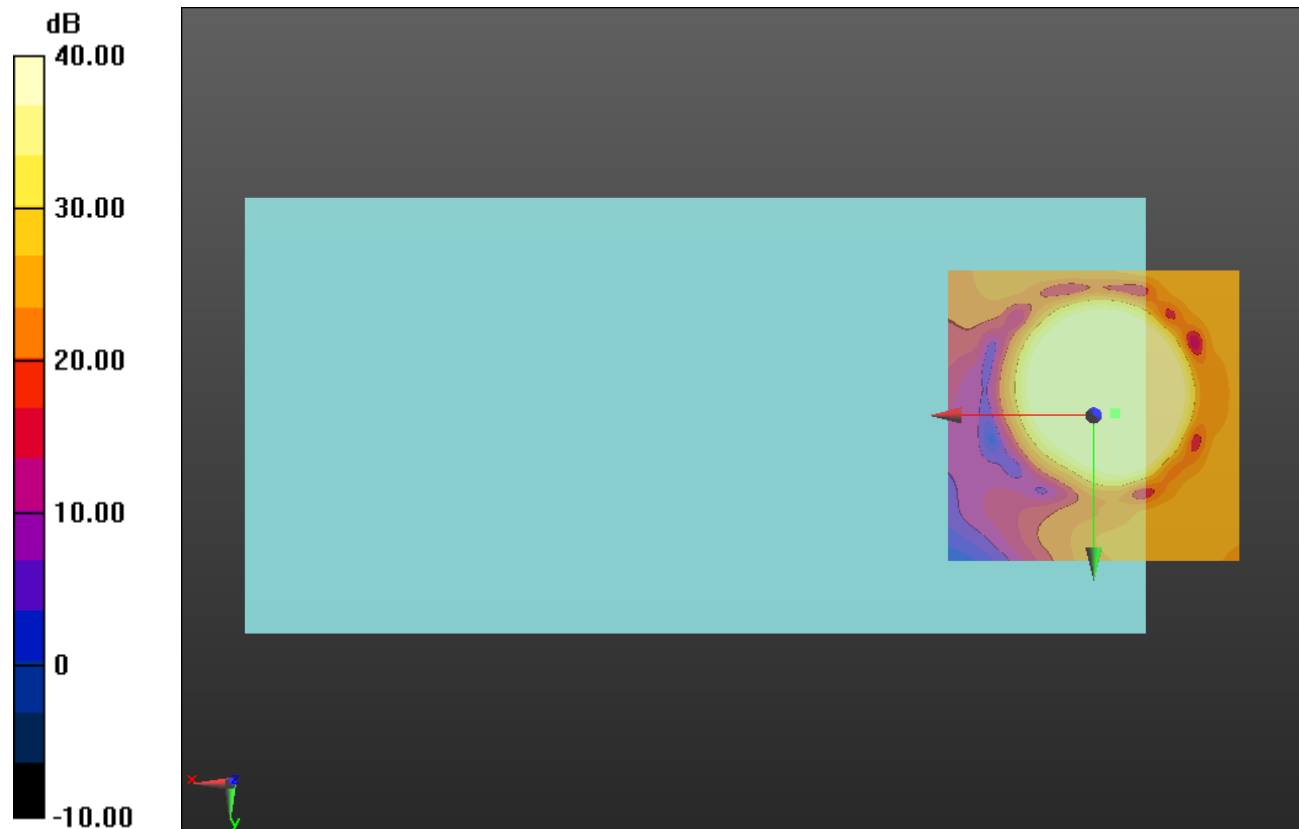
Cursor:

ABM1/ABM2 = 57.91 dB

ABM1 comp = 10.08 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 4183/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

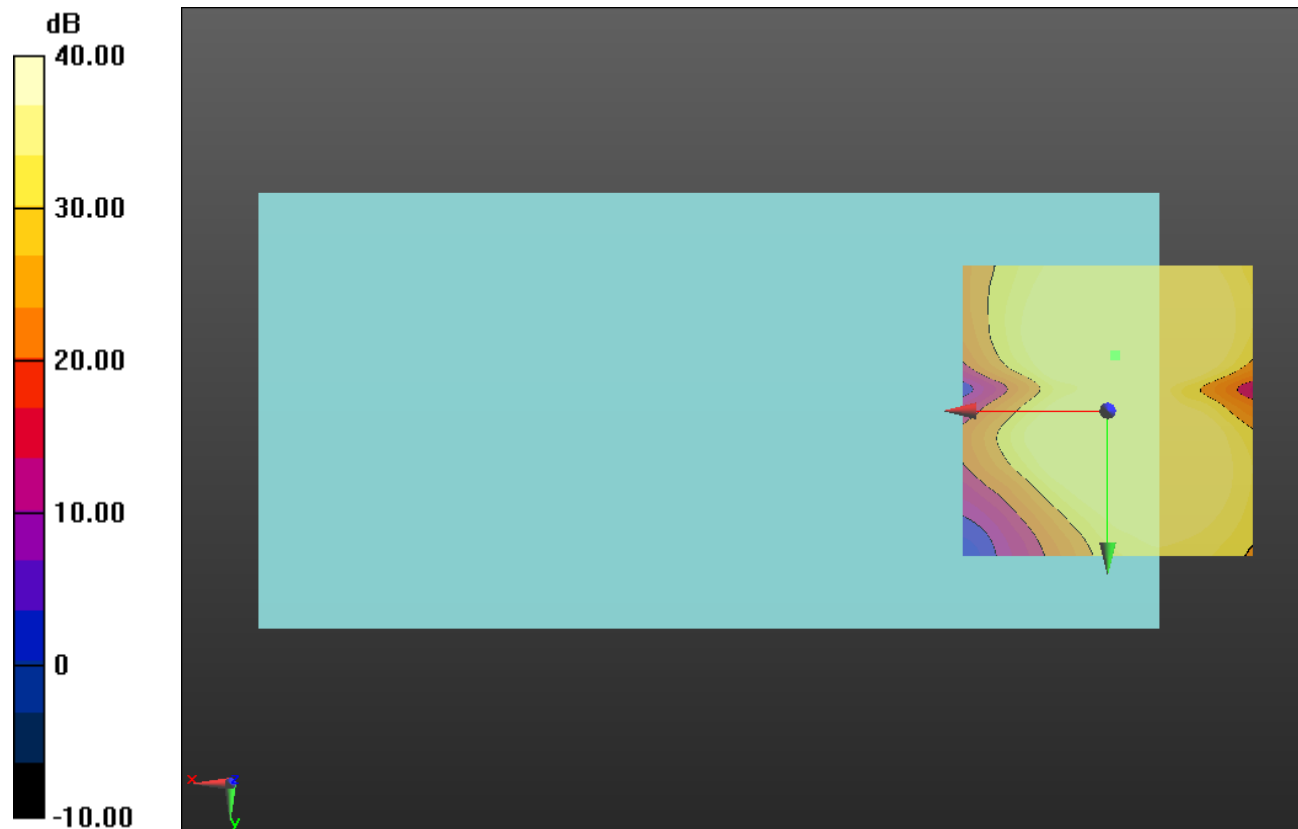
Cursor:

ABM1/ABM2 = 53.14 dB

ABM1 comp = 4.06 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

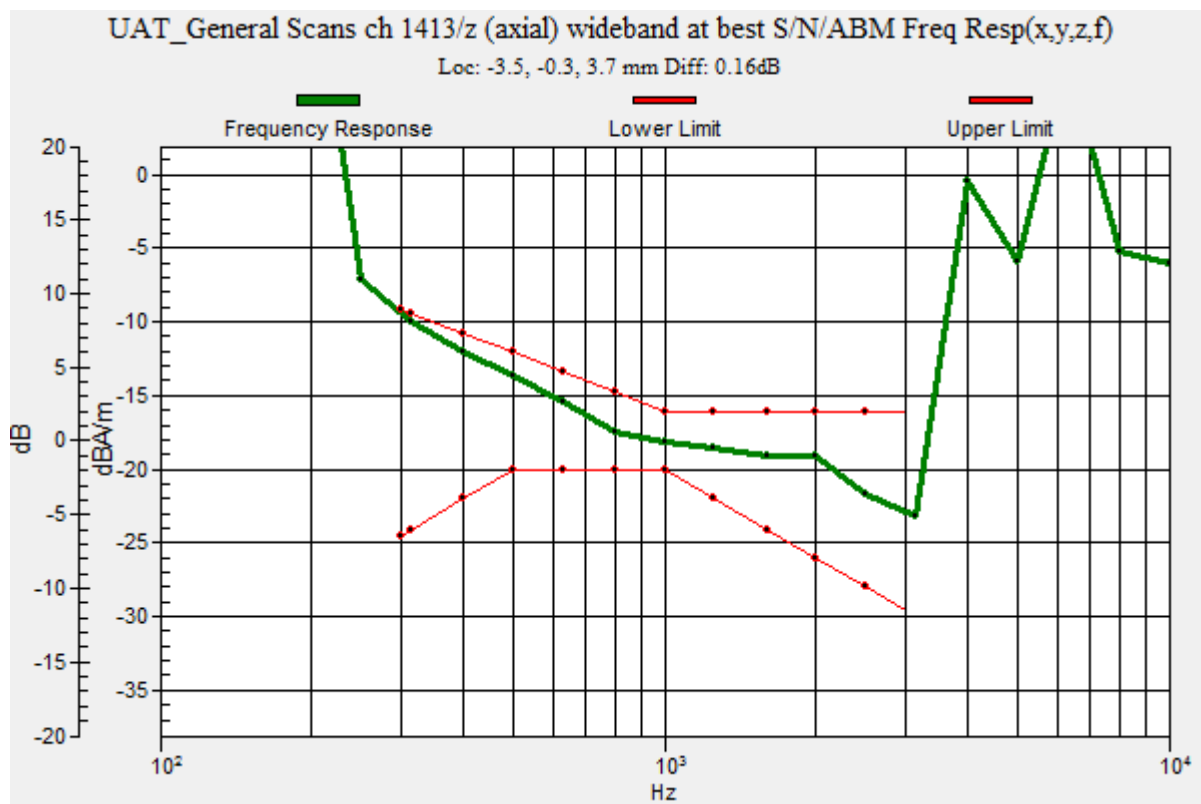
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.16 dB

BWC Factor = 10.80 dB

Location: -3.5, -0.3, 3.7 mm



W-CDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 1413/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

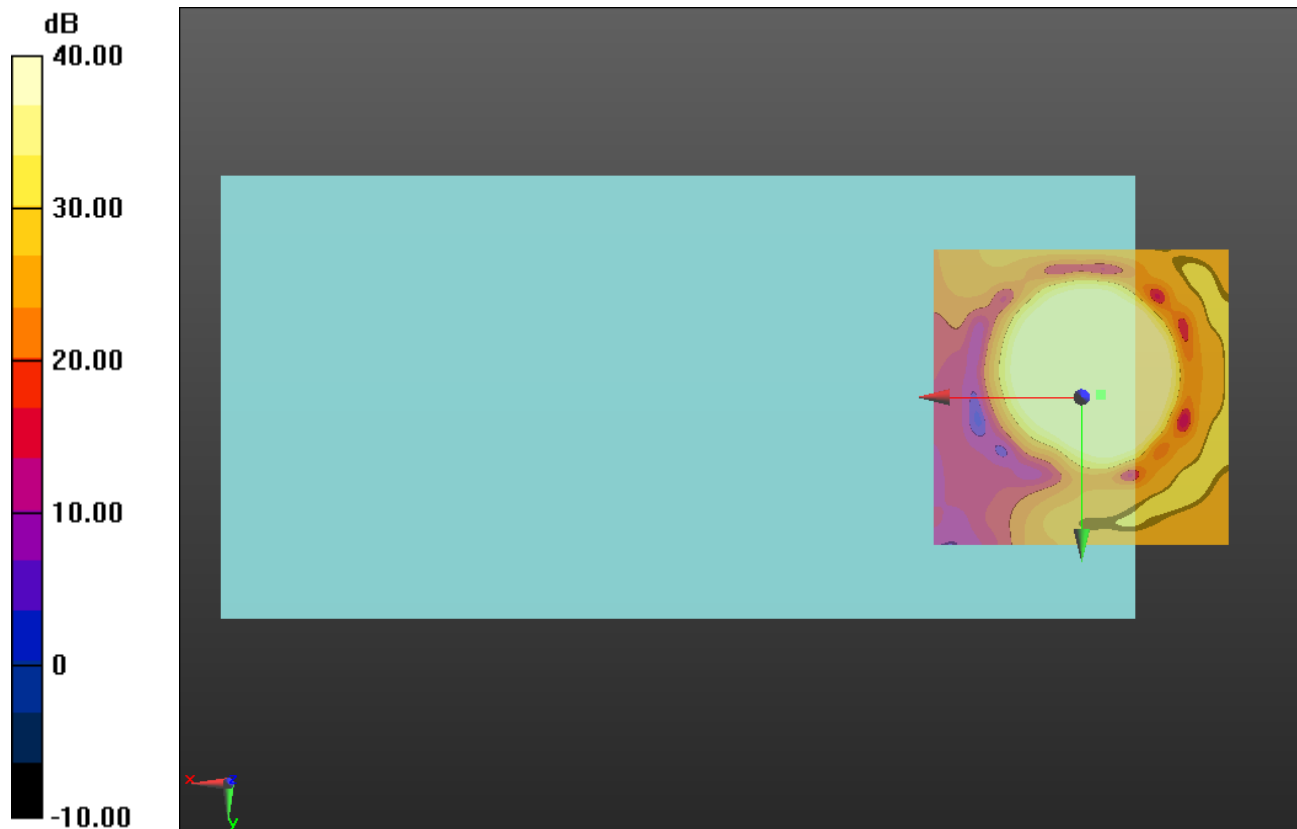
Cursor:

ABM1/ABM2 = 58.99 dB

ABM1 comp = 10.73 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 1413/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

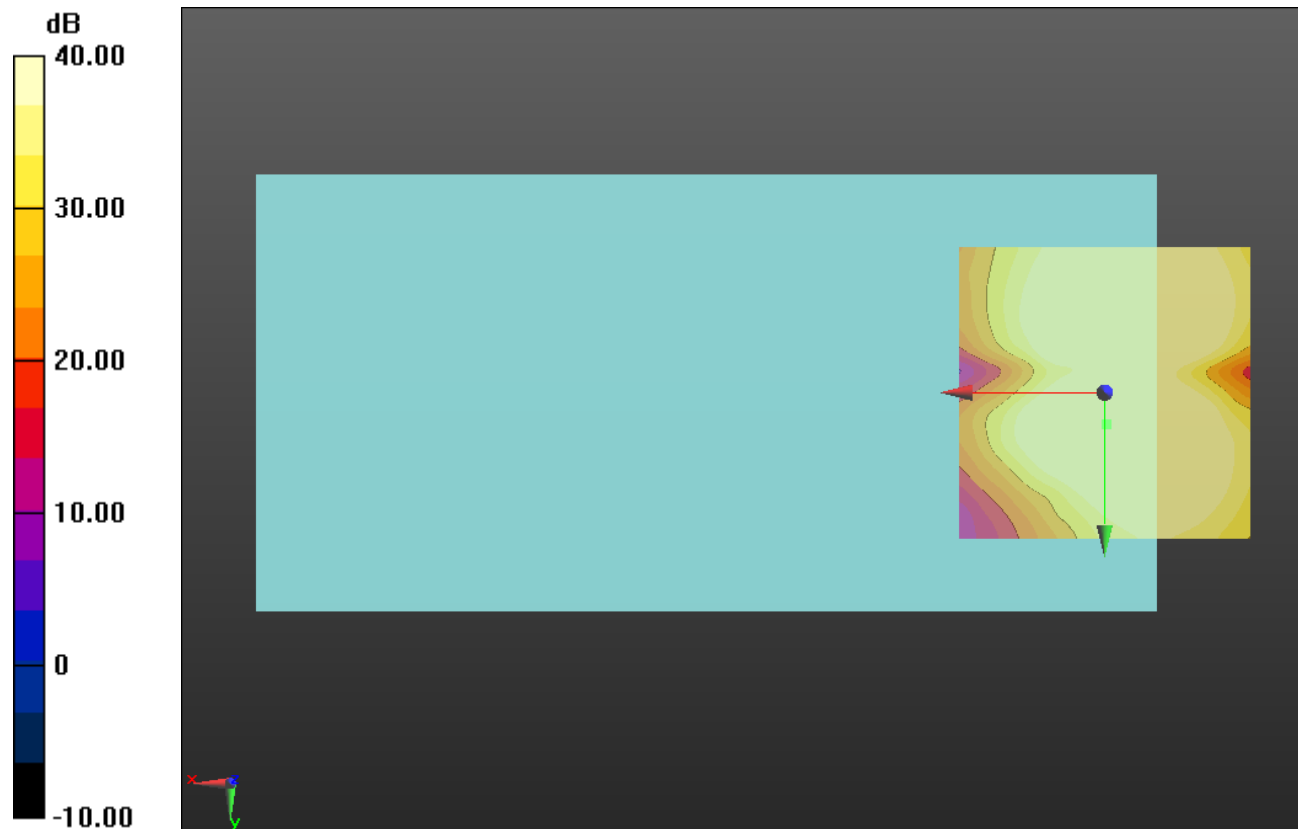
Cursor:

ABM1/ABM2 = 54.29 dB

ABM1 comp = 4.00 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 5.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II

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)/UAT_General Scans ch 9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

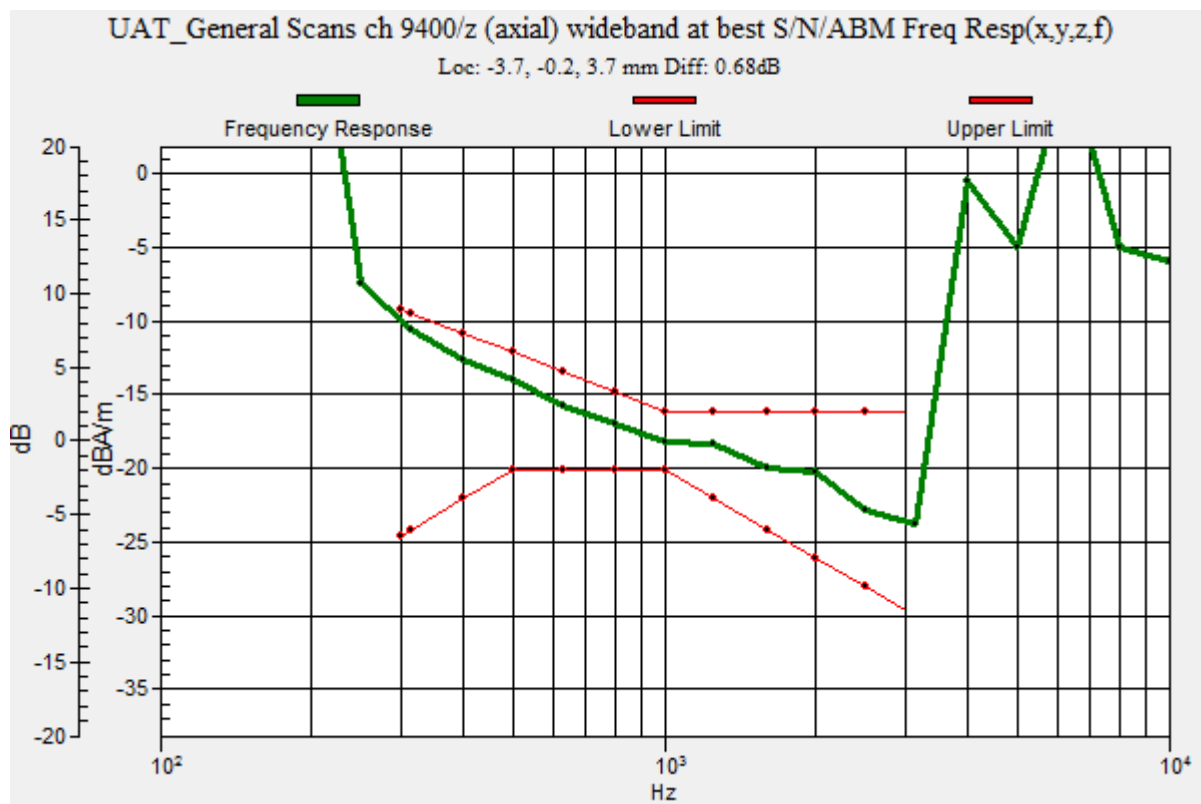
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.68 dB

BWC Factor = 10.80 dB

Location: -3.7, -0.2, 3.7 mm



W-CDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 9400/z
(axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm,
dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

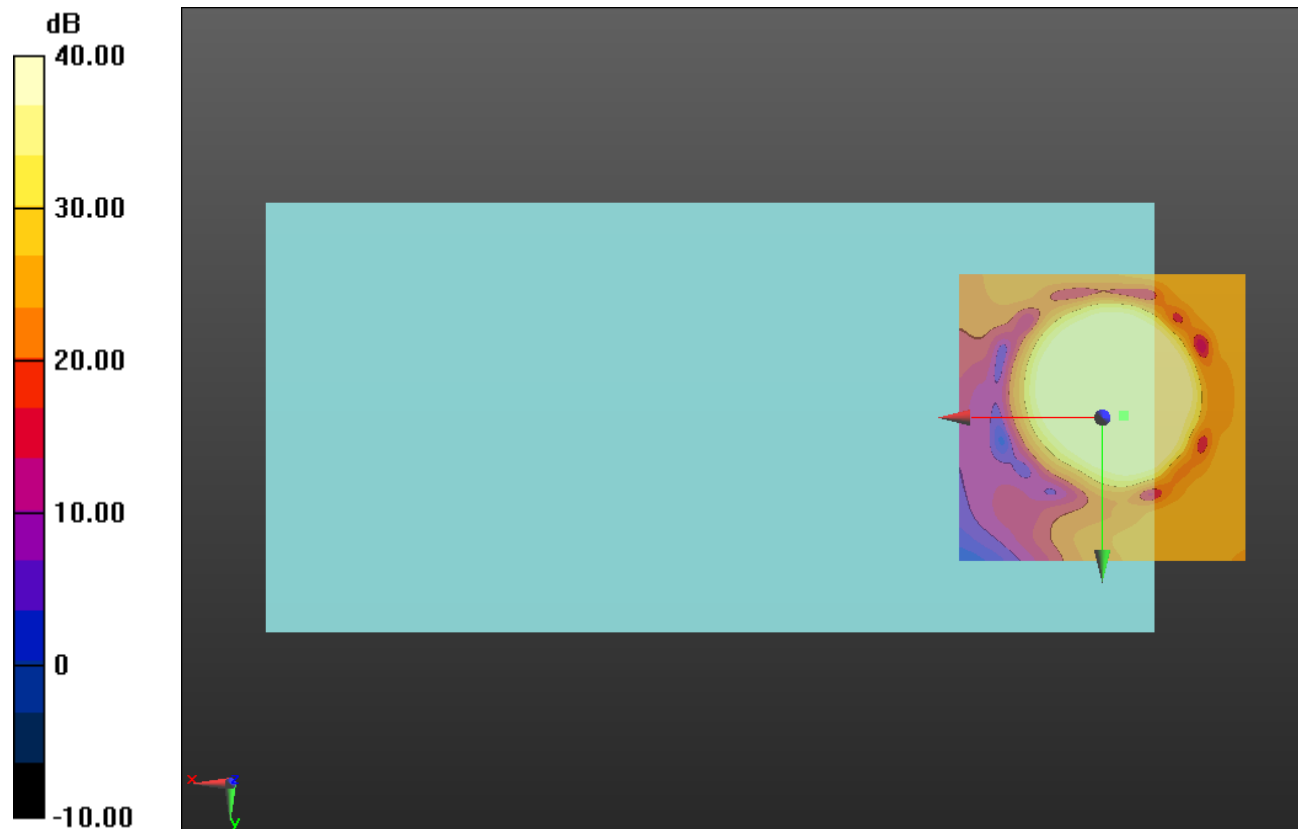
Cursor:

ABM1/ABM2 = 57.98 dB

ABM1 comp = 10.14 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

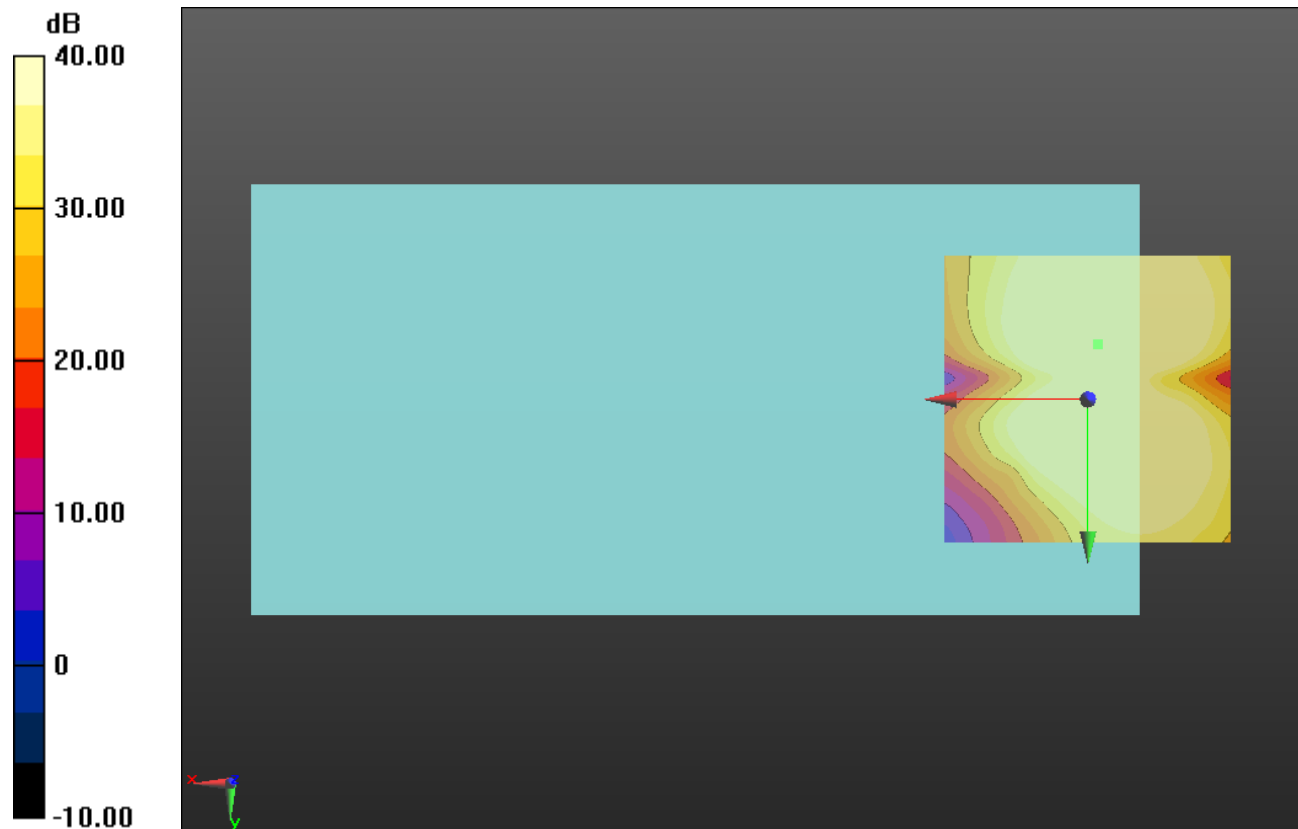
Cursor:

ABM1/ABM2 = 53.23 dB

ABM1 comp = 4.03 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC0

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 384/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

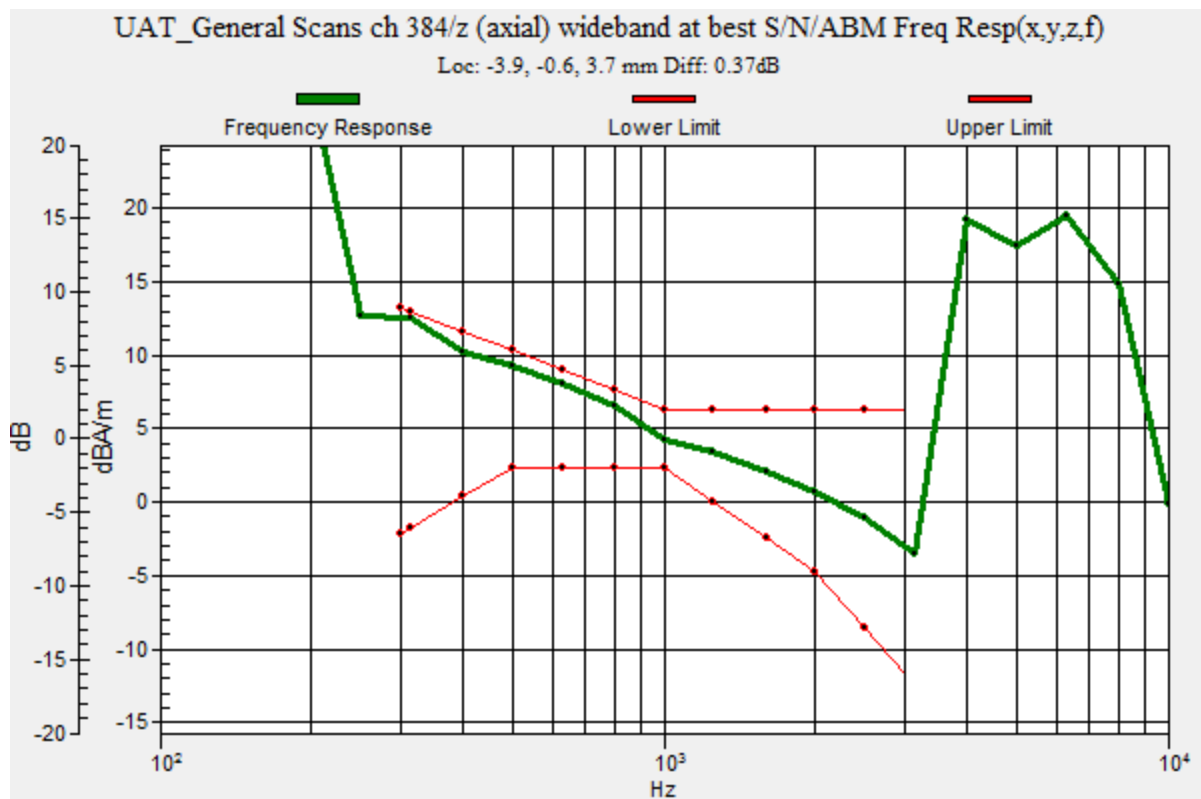
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.37 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.6, 3.7 mm



CDMA2000 BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 384/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

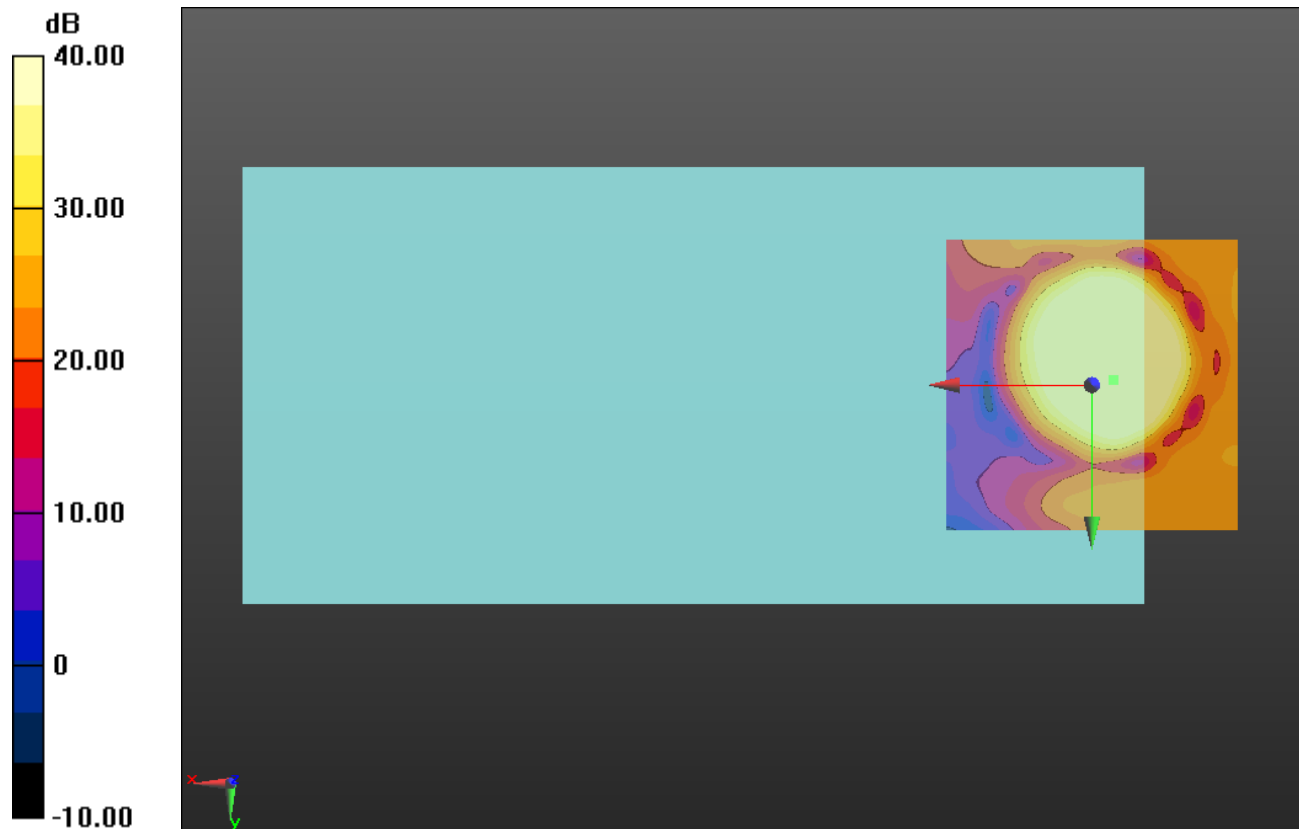
Cursor:

ABM1/ABM2 = 56.39 dB

ABM1 comp = 9.43 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 384/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

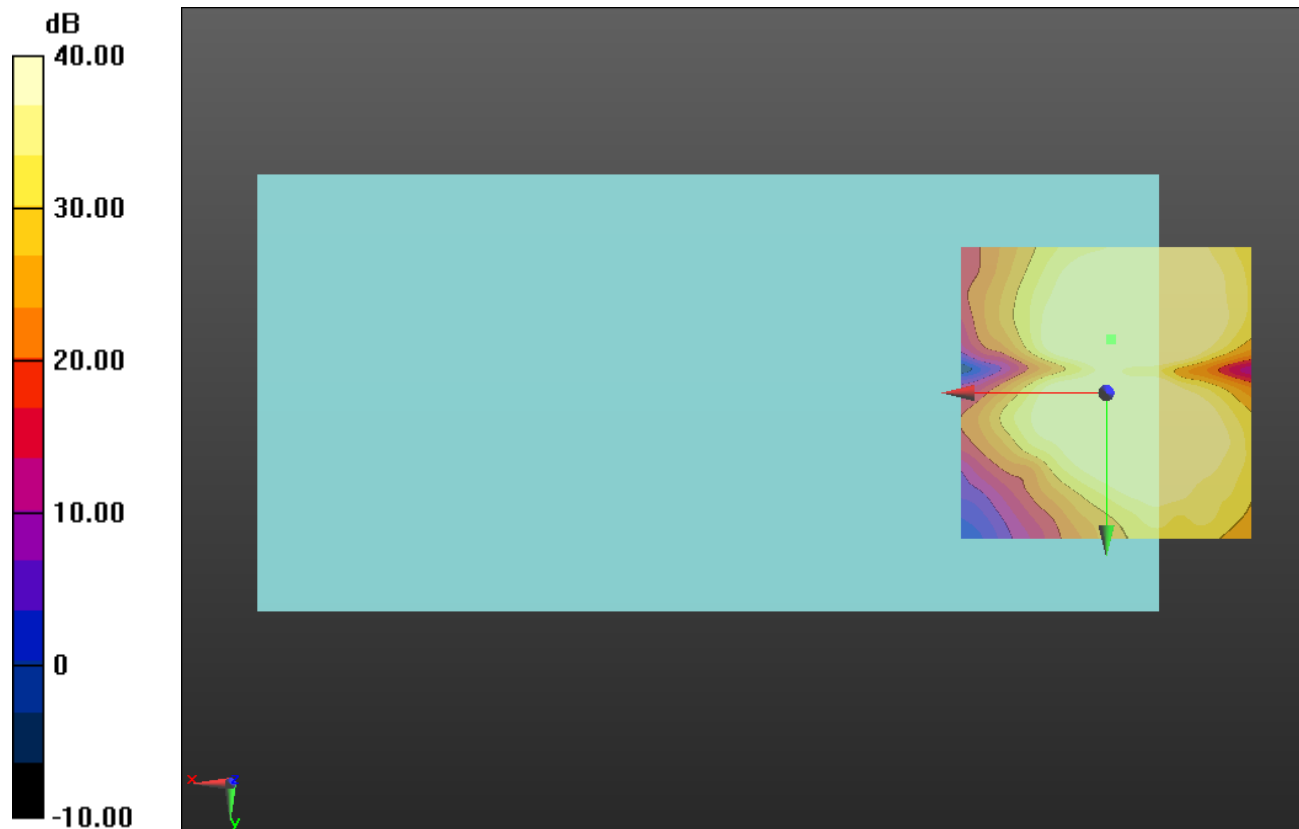
Cursor:

ABM1/ABM2 = 50.77 dB

ABM1 comp = 3.20 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC1

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 600/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

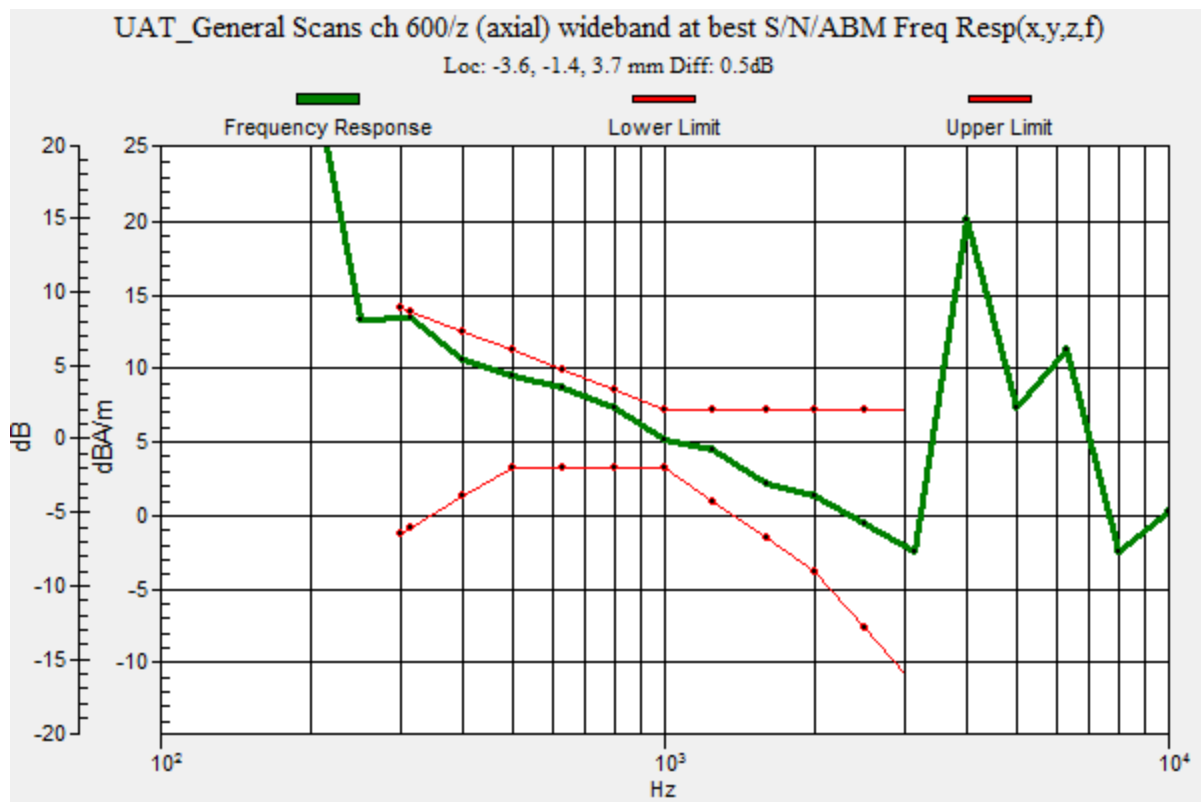
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.50 dB

BWC Factor = 10.80 dB

Location: -3.6, -1.4, 3.7 mm



CDMA2000 BC1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 600/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

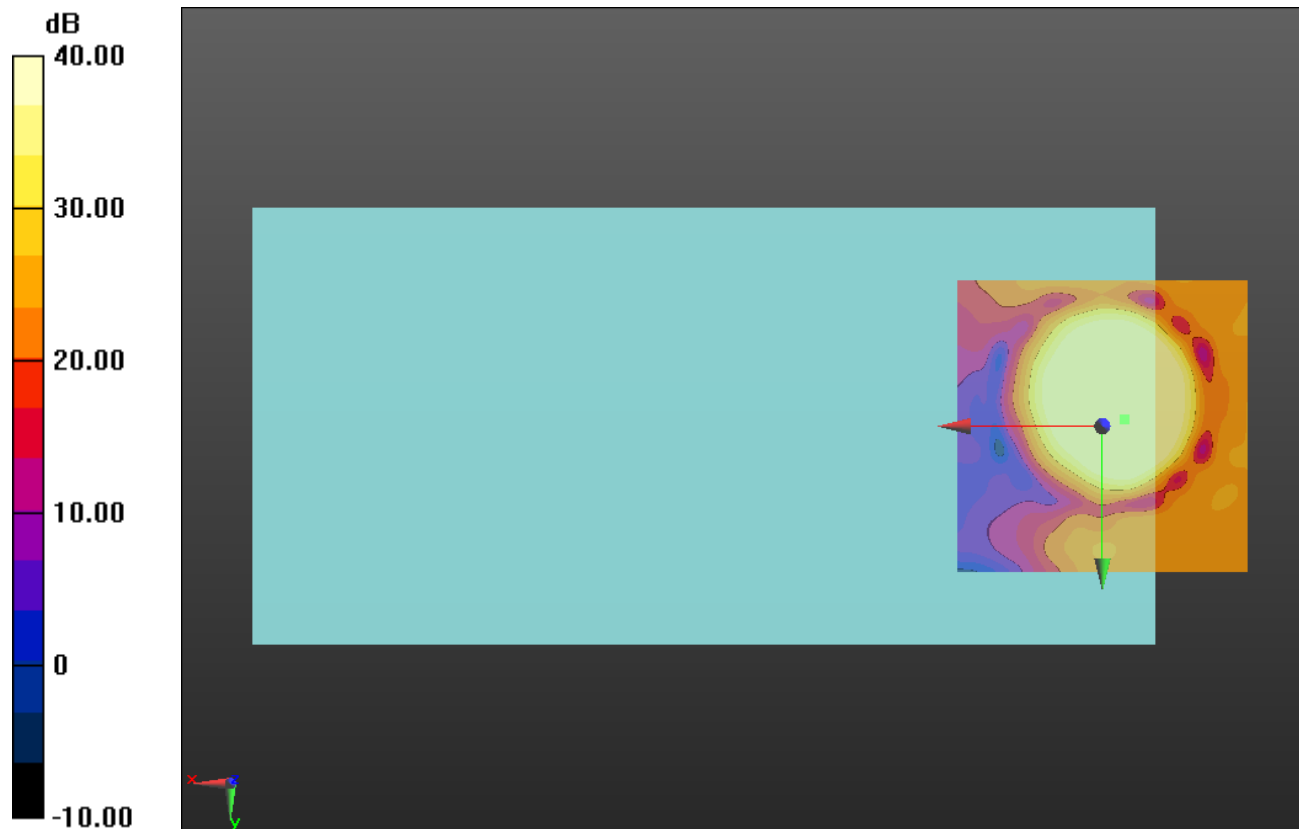
Cursor:

ABM1/ABM2 = 56.06 dB

ABM1 comp = 9.46 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -1.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

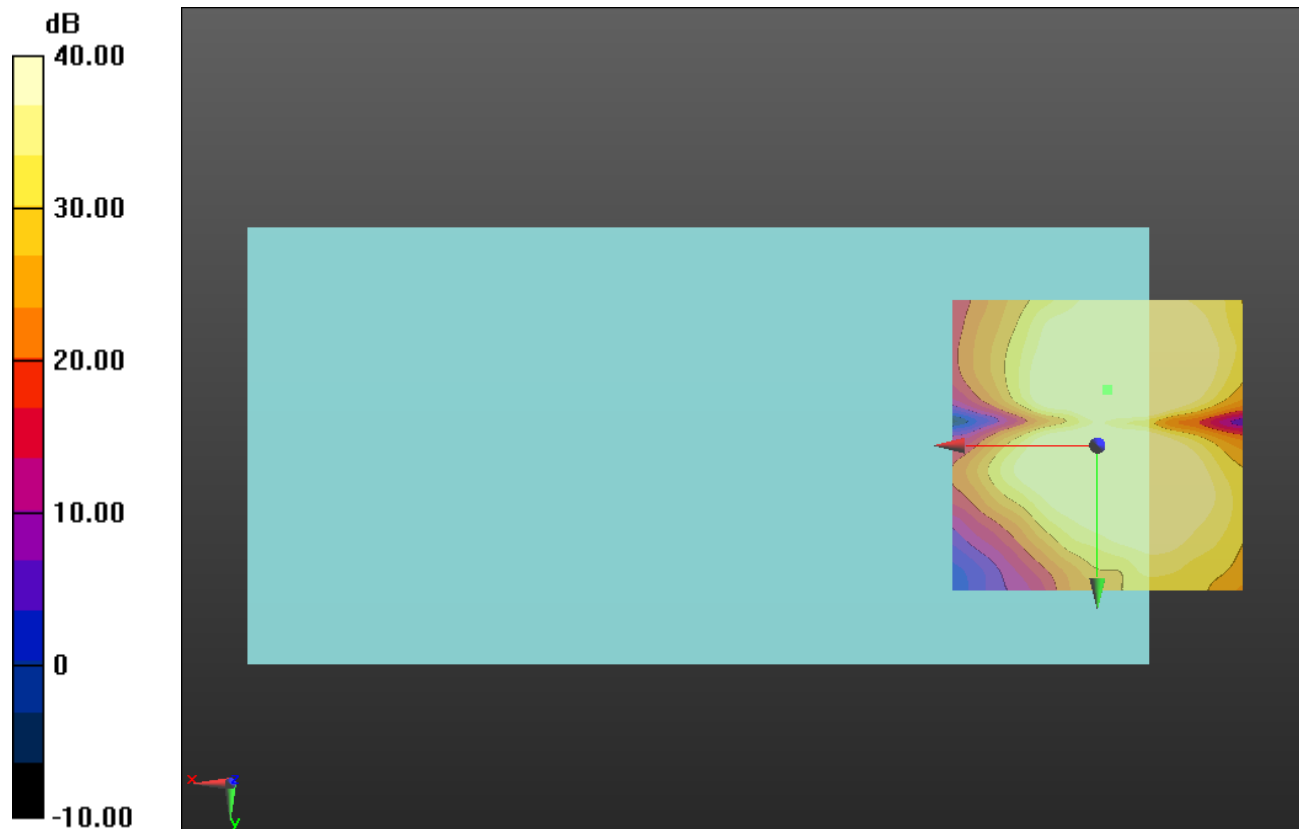
Cursor:

ABM1/ABM2 = 51.15 dB

ABM1 comp = 3.24 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, -9.6, 3.7 mm



CDMA2000 BC10

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 580/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

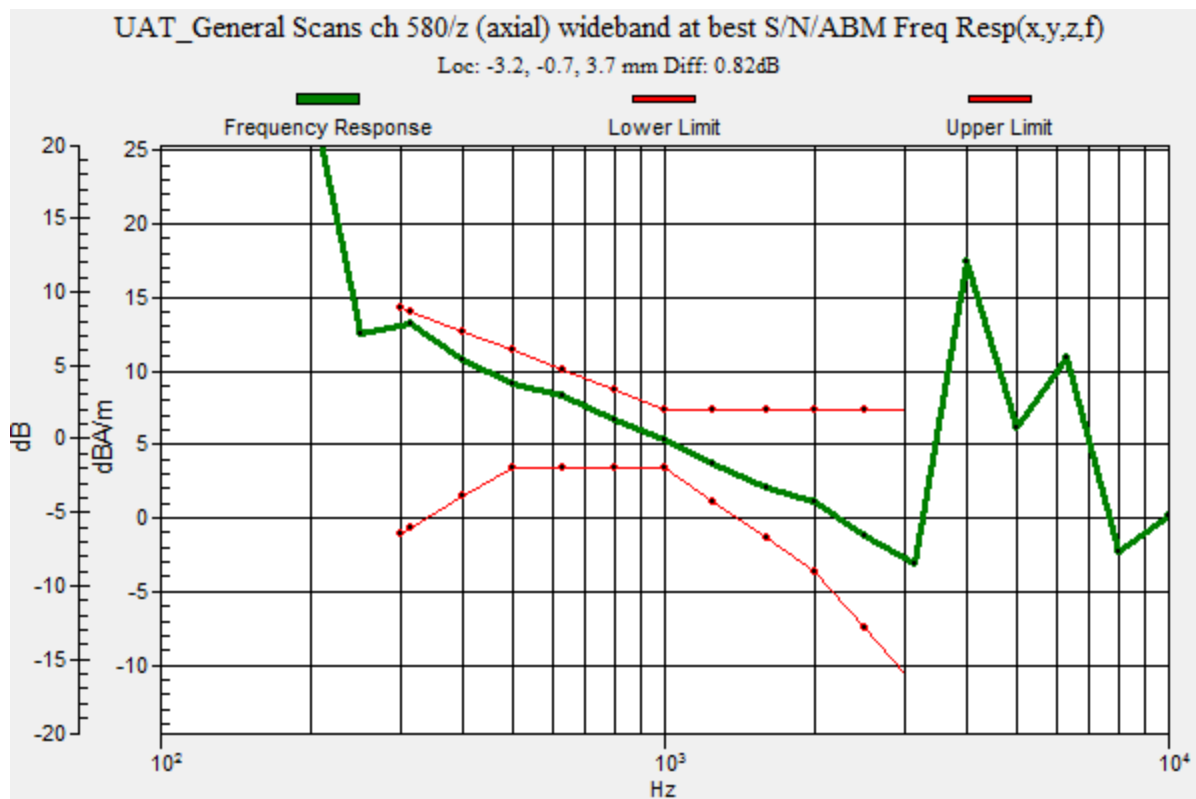
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.82 dB

BWC Factor = 10.80 dB

Location: -3.2, -0.7, 3.7 mm



CDMA2000 BC10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 580/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

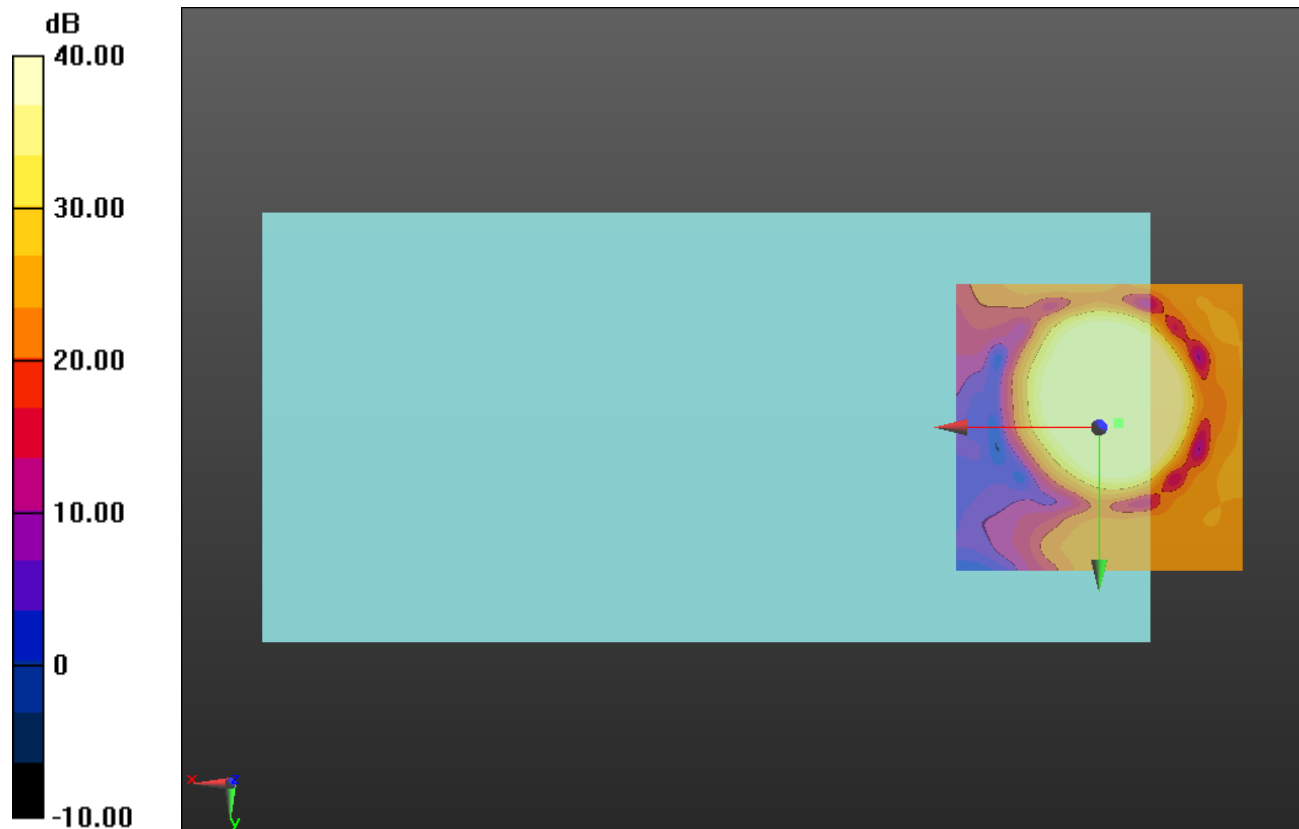
Cursor:

ABM1/ABM2 = 55.88 dB

ABM1 comp = 9.27 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 580/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

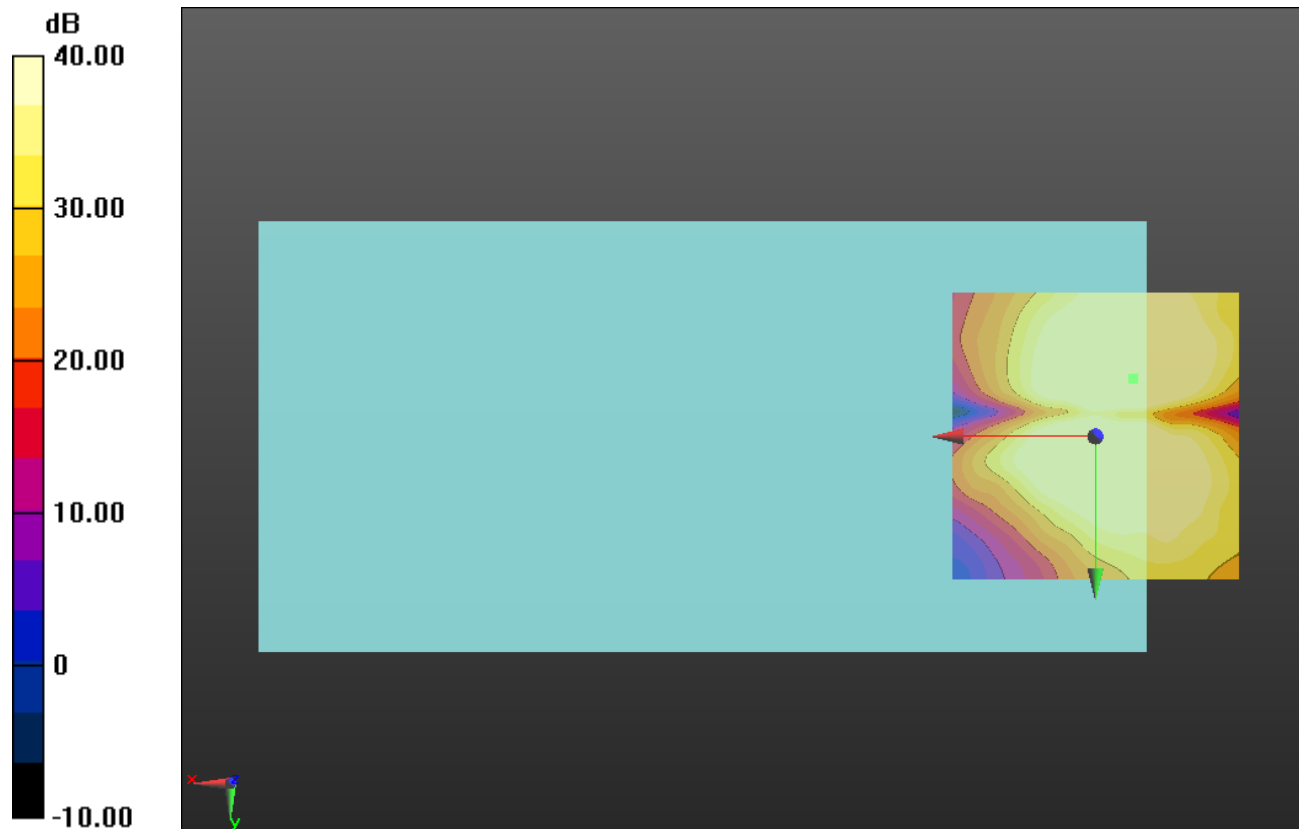
Cursor:

ABM1/ABM2 = 50.92 dB

ABM1 comp = 0.63 dBA/m

BWC Factor = 0.16 dB

Location: -6.7, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

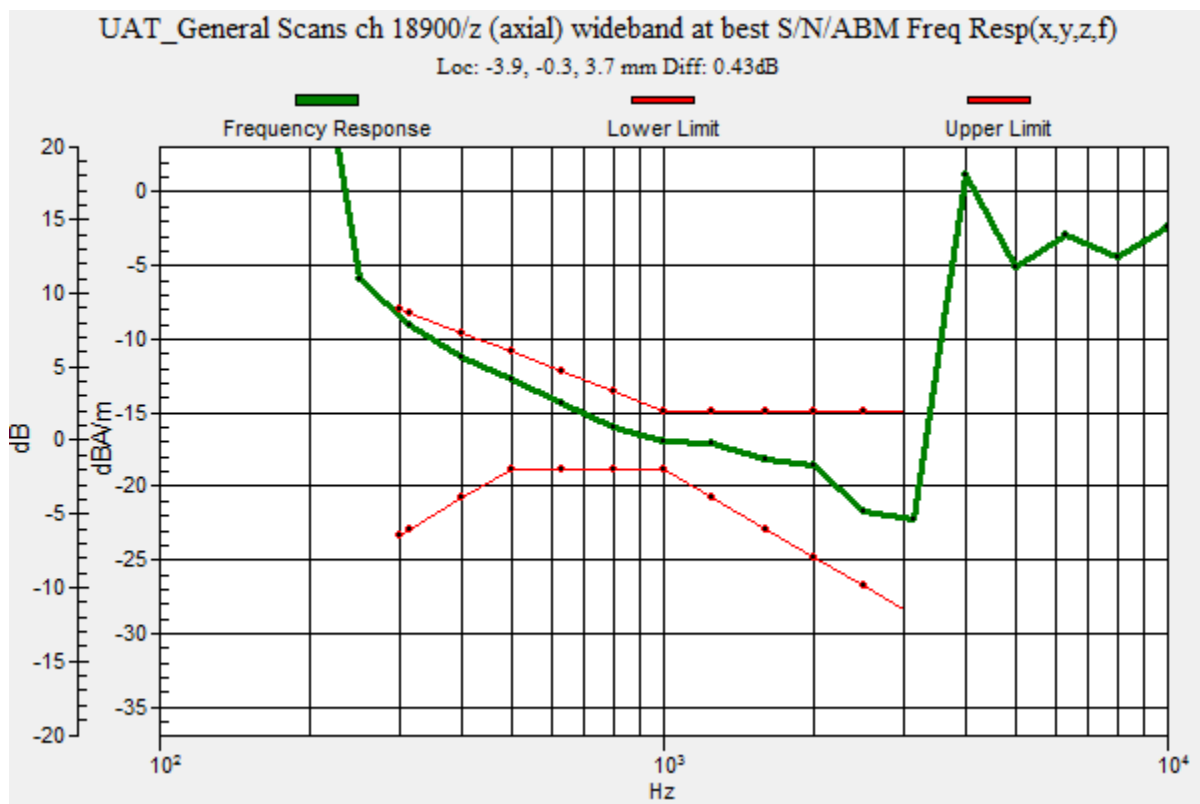
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.43 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.3, 3.7 mm



LTE Band 2 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

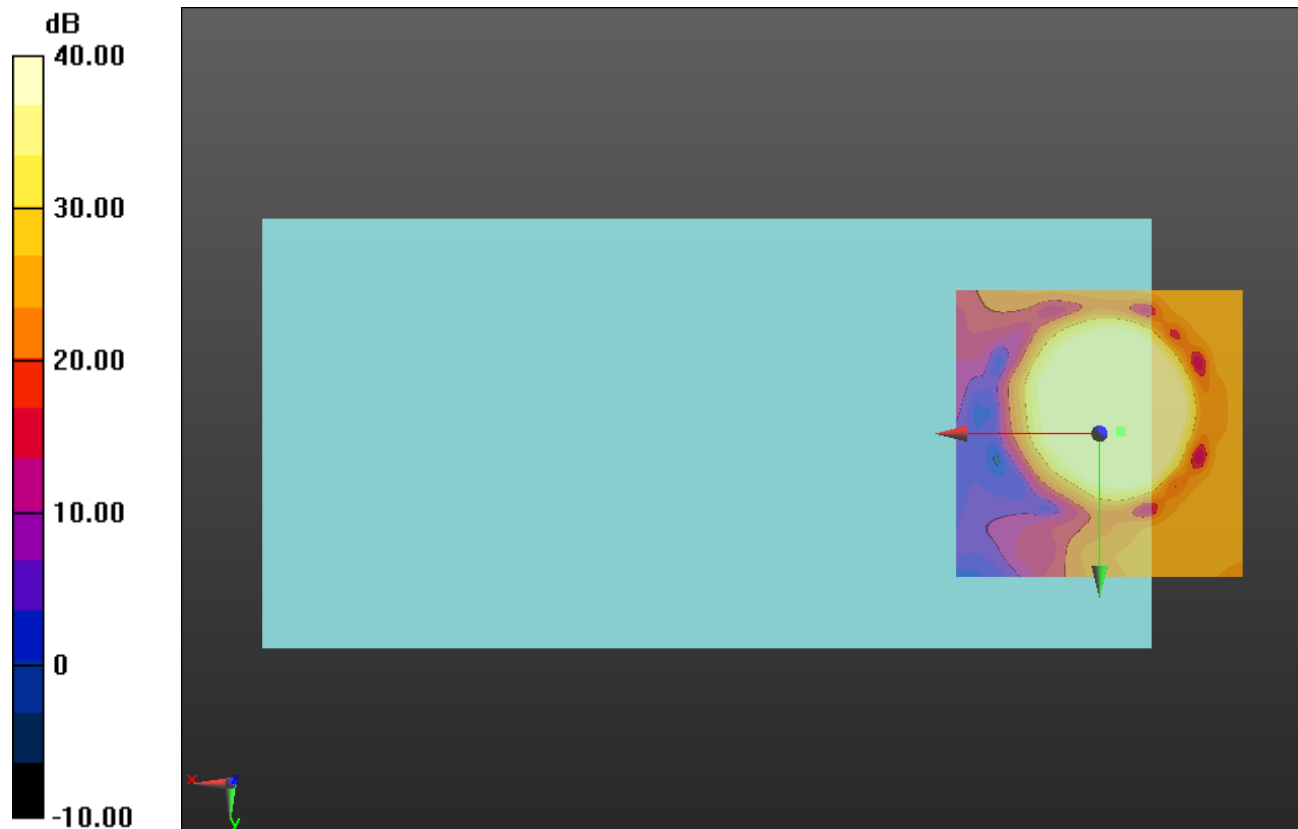
Cursor:

ABM1/ABM2 = 56.01 dB

ABM1 comp = 9.49 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

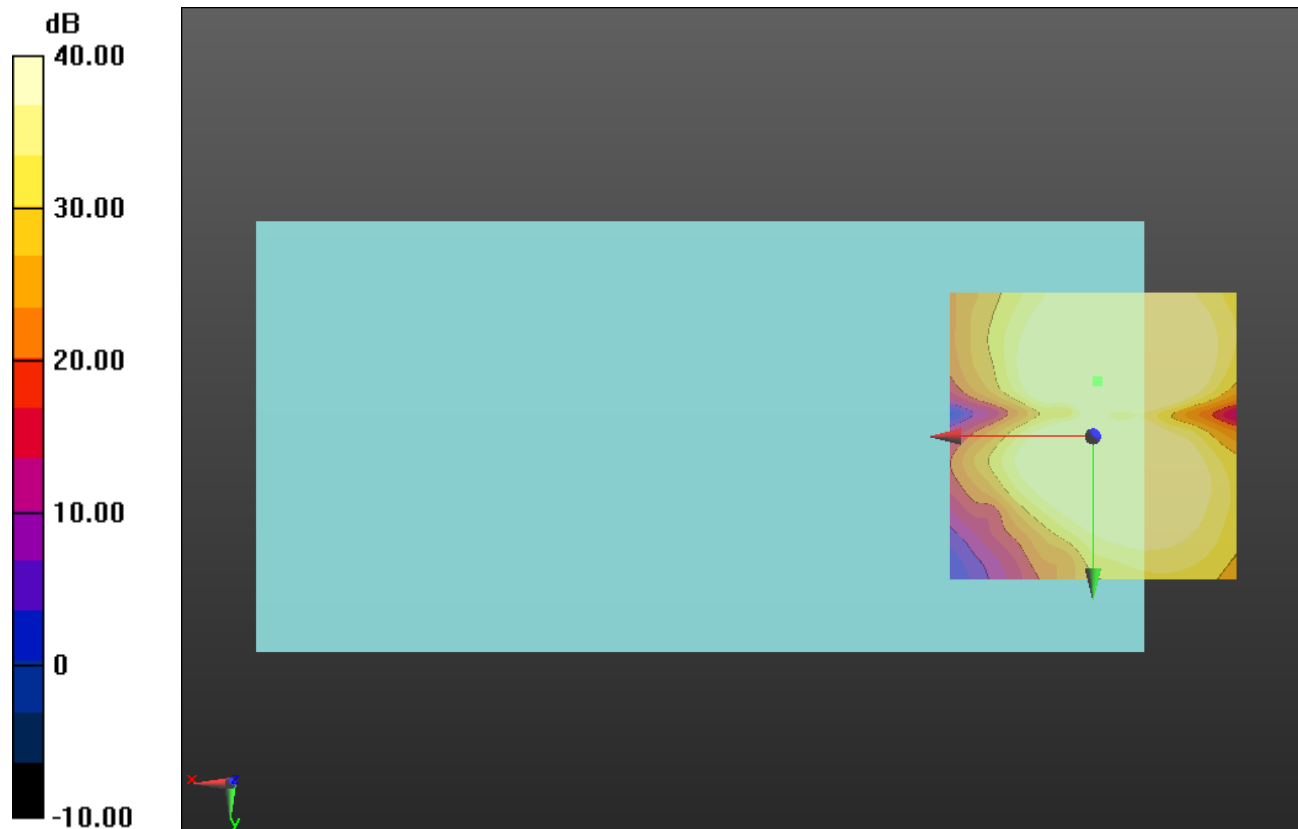
Cursor:

ABM1/ABM2 = 51.73 dB

ABM1 comp = 3.33 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

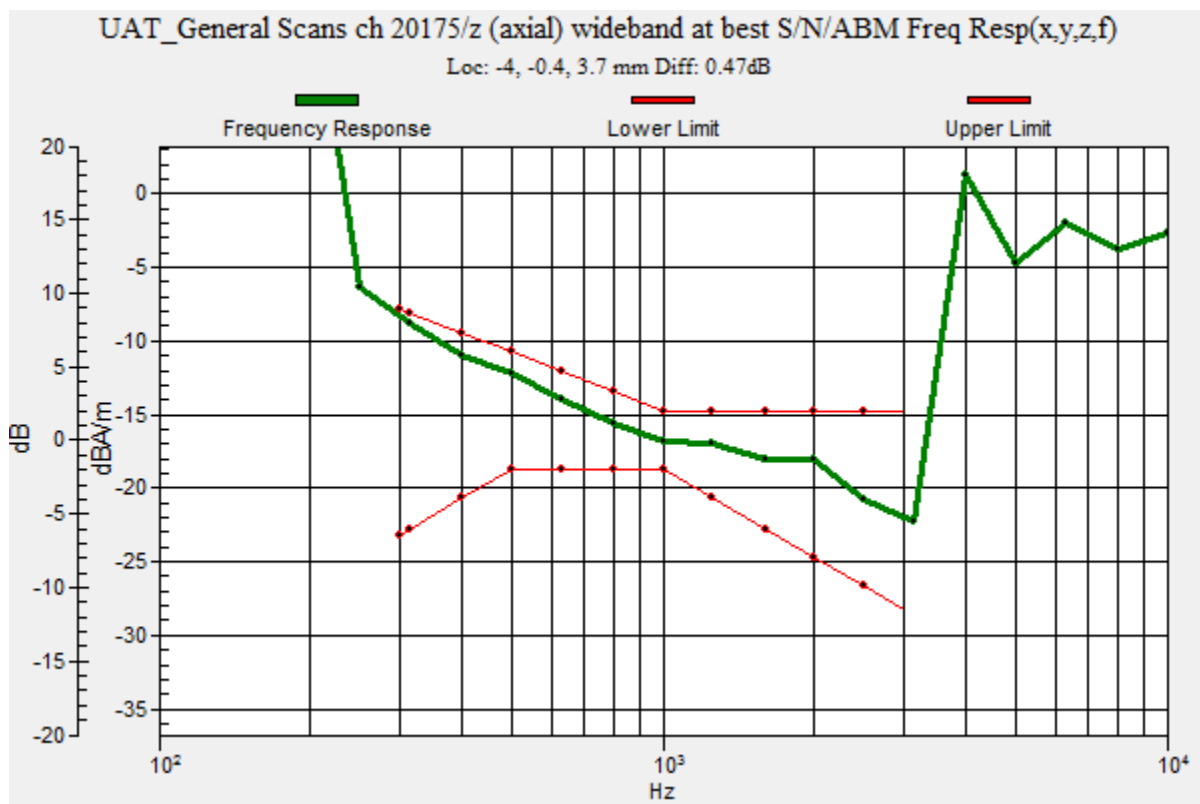
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.47 dB

BWC Factor = 10.80 dB

Location: -4, -0.4, 3.7 mm



LTE Band 4 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

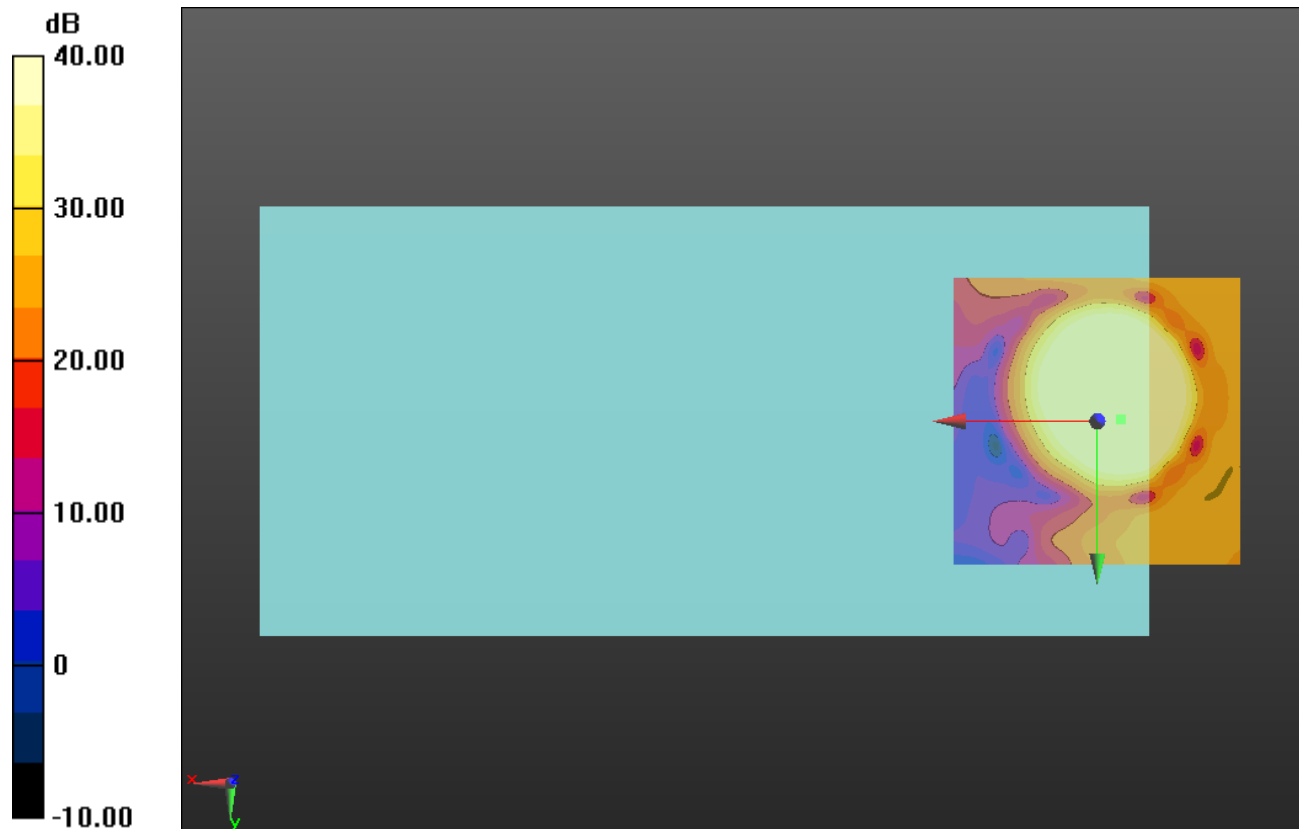
Cursor:

ABM1/ABM2 = 55.53 dB

ABM1 comp = 9.04 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

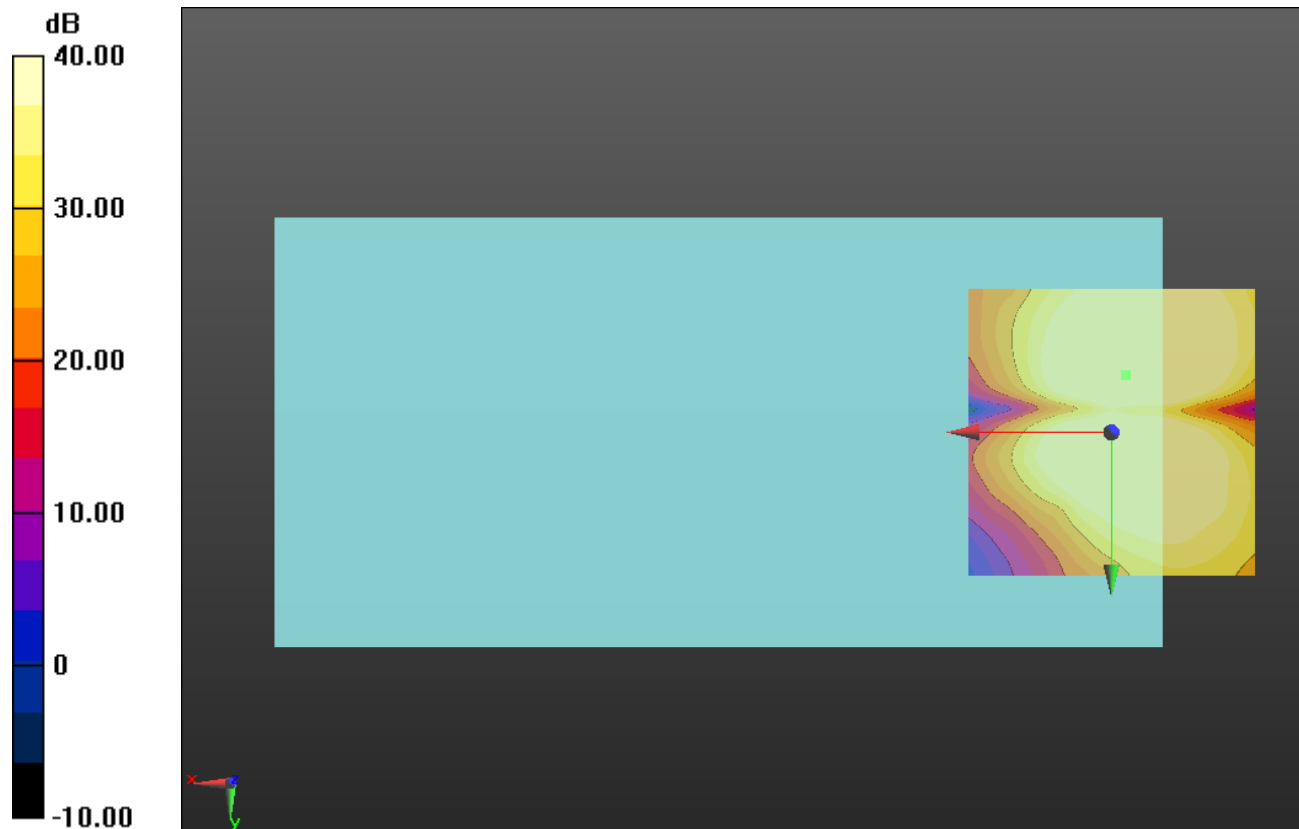
Cursor:

ABM1/ABM2 = 51.57 dB

ABM1 comp = 2.95 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5 Narrowband

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)/UAT_General Scans ch 20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

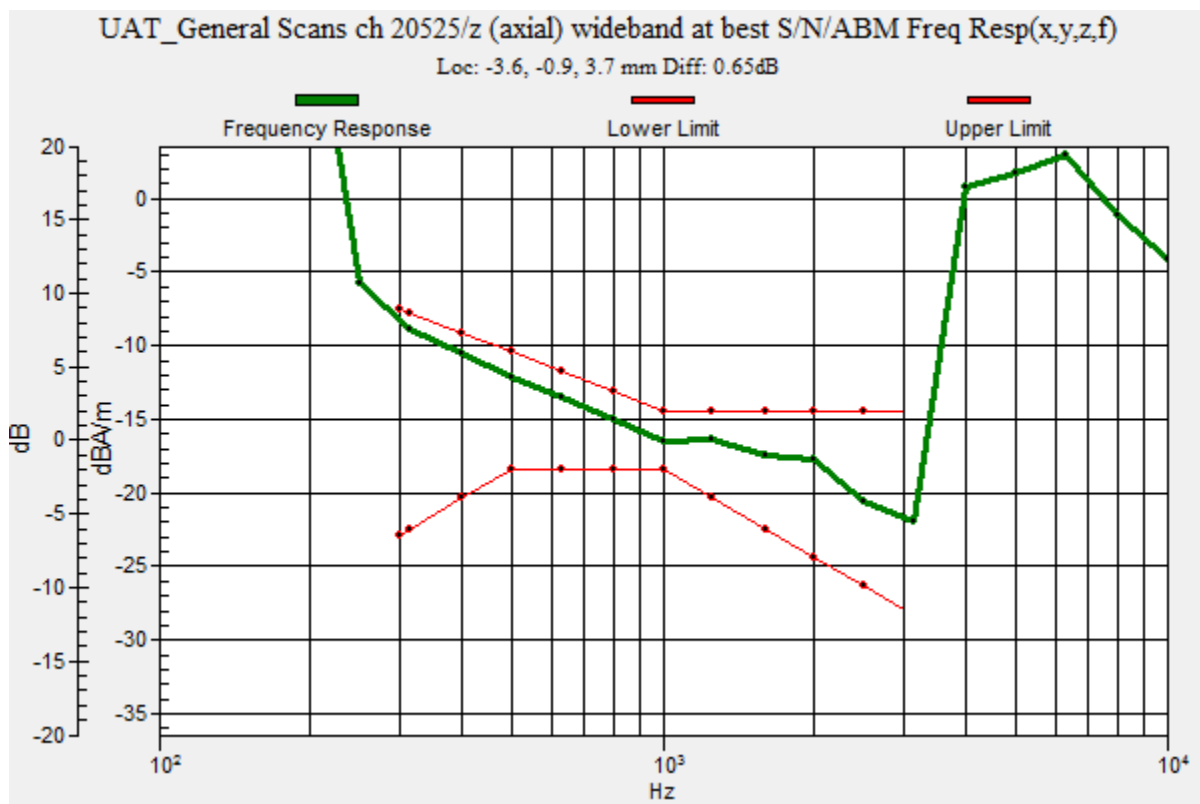
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.65 dB

BWC Factor = 10.80 dB

Location: -3.6, -0.9, 3.7 mm



LTE Band 5 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

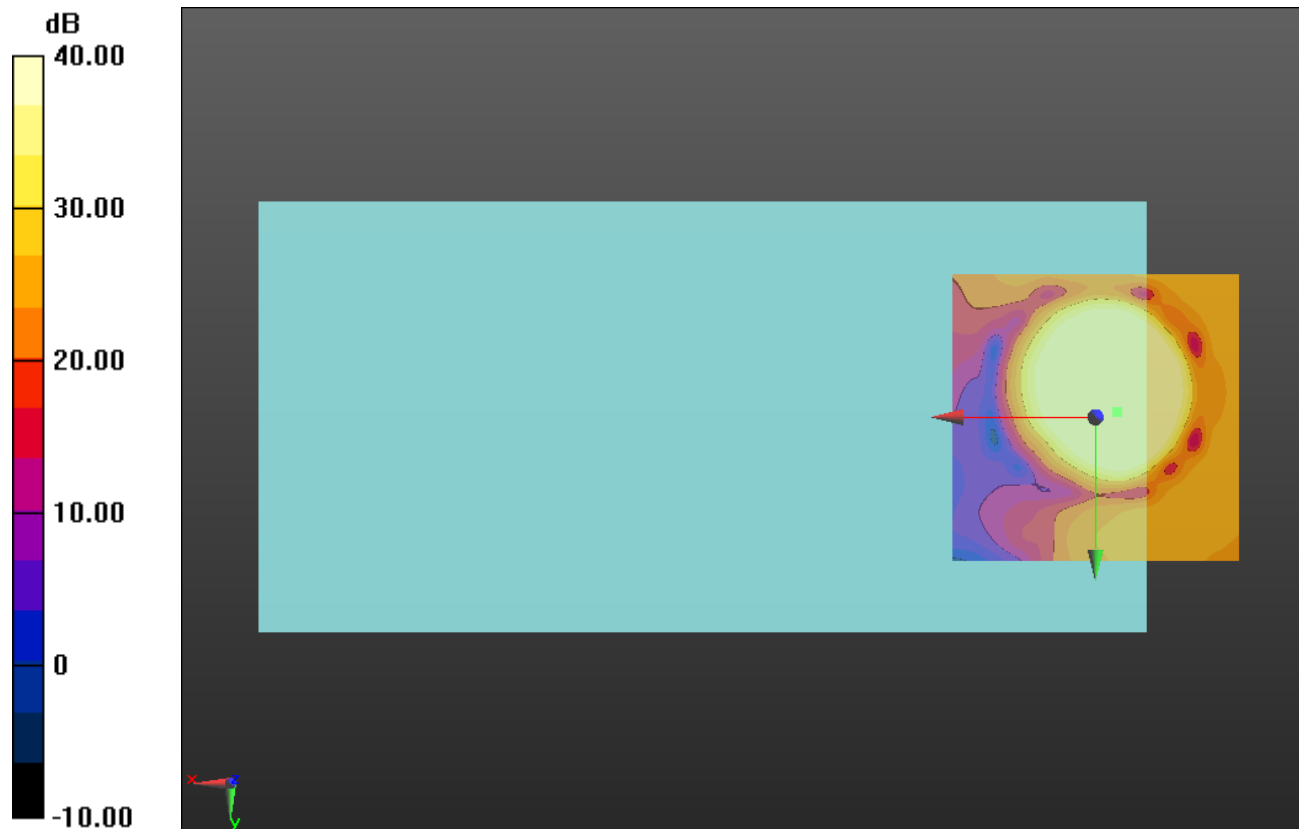
Cursor:

ABM1/ABM2 = 55.92 dB

ABM1 comp = 9.72 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.8, 3.7 mm



LTE Band 5 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

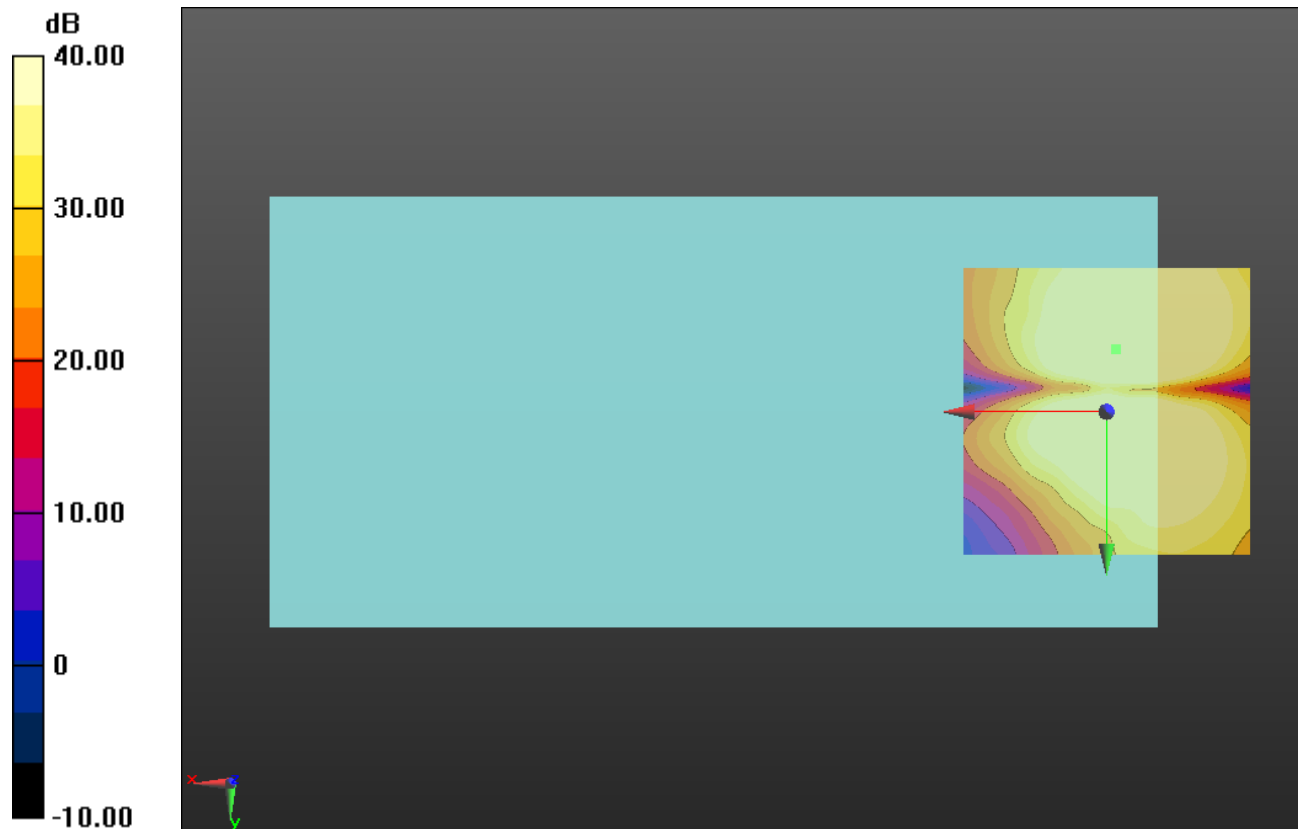
Cursor:

ABM1/ABM2 = 51.71 dB

ABM1 comp = 3.82 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, -10.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

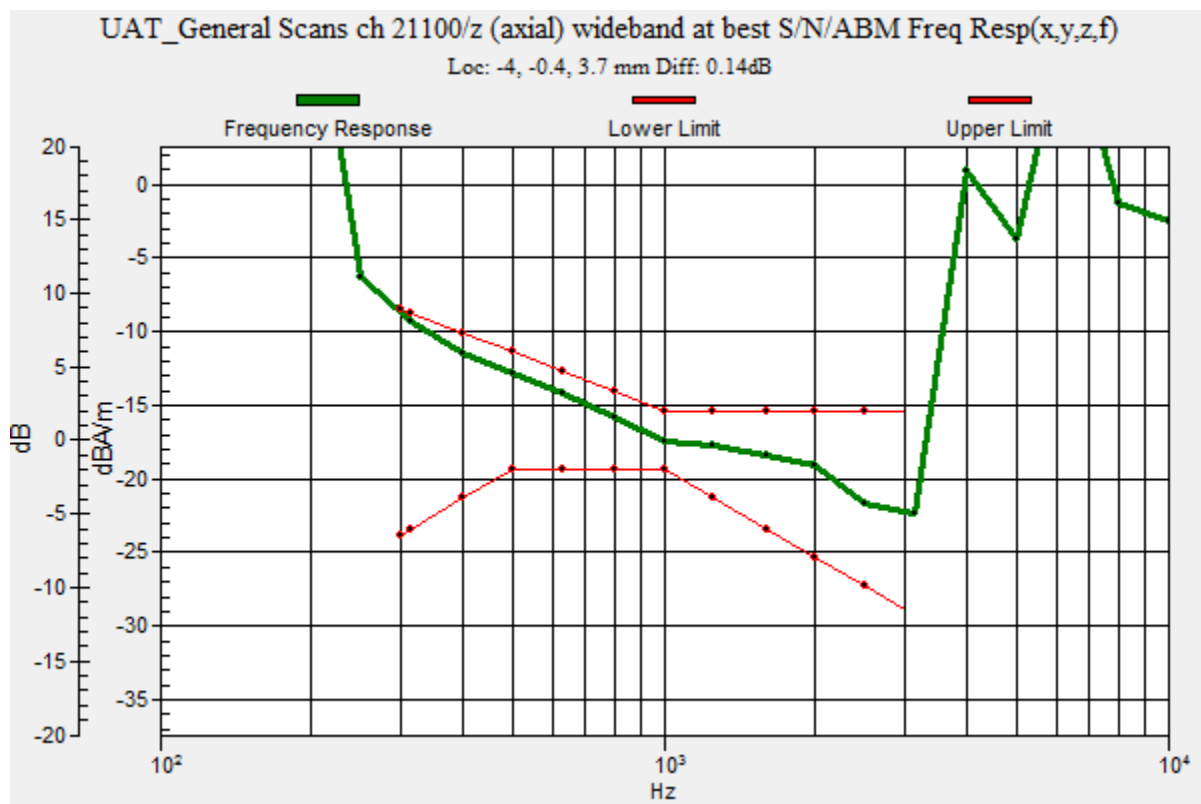
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.14 dB

BWC Factor = 10.80 dB

Location: -4, -0.4, 3.7 mm



LTE Band 7 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

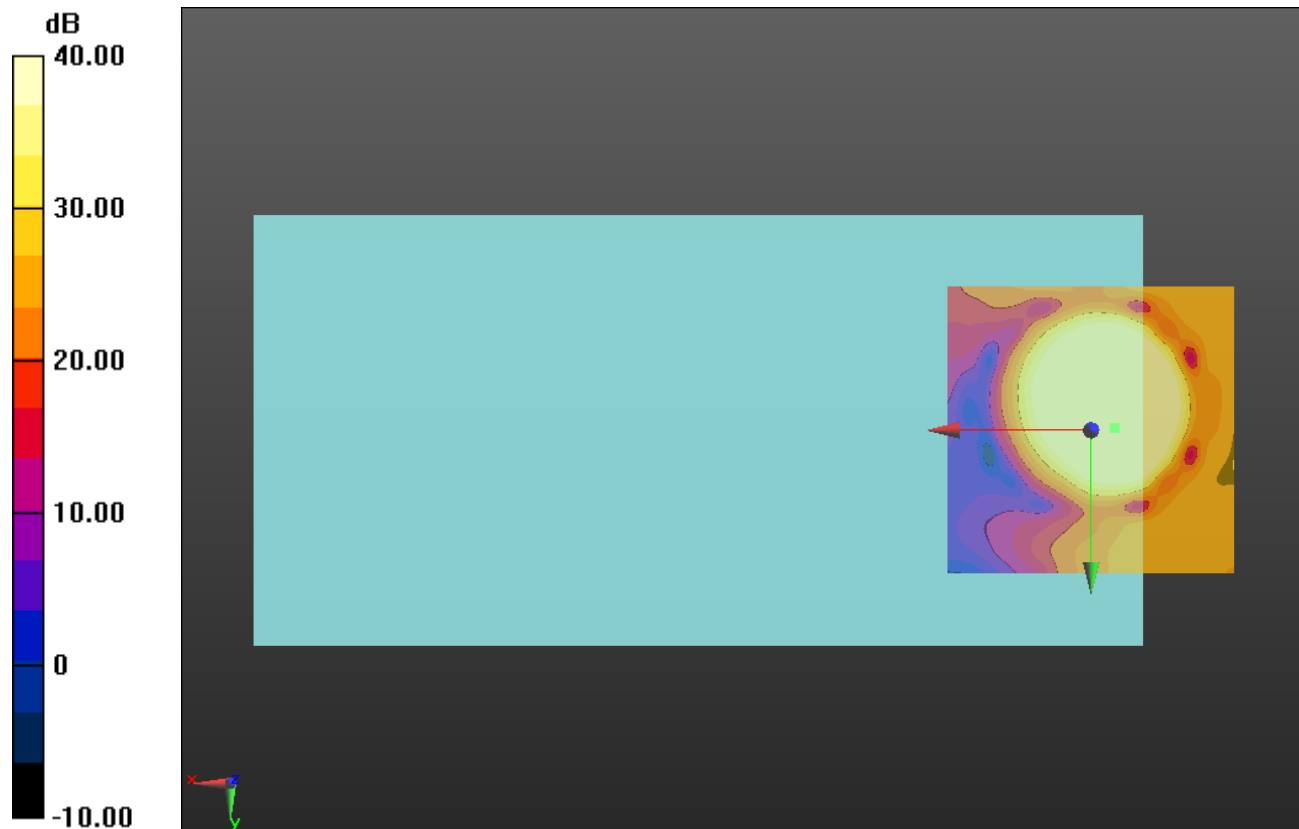
Cursor:

ABM1/ABM2 = 55.80 dB

ABM1 comp = 8.99 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

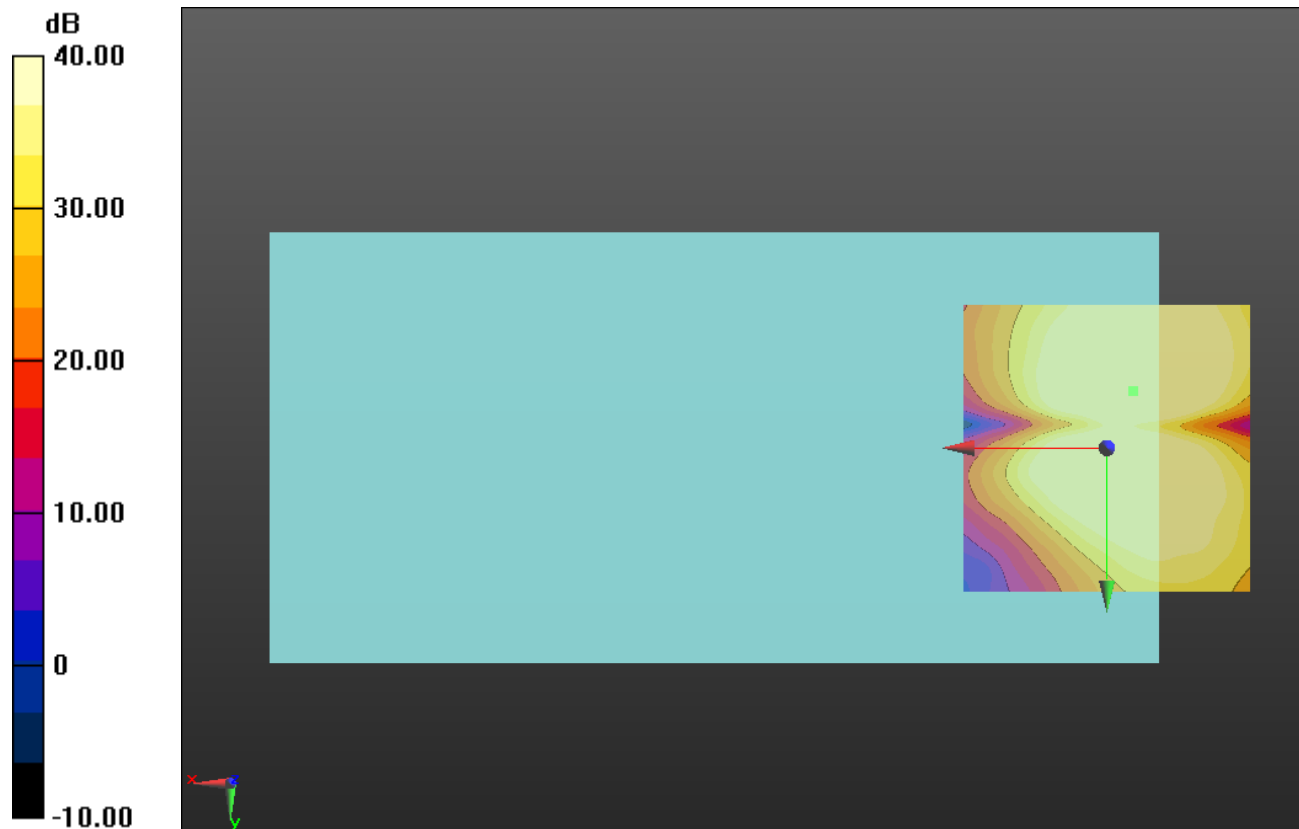
Cursor:

ABM1/ABM2 = 51.72 dB

ABM1 comp = 2.11 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -10, 3.7 mm



LTE Band 12 Narrowband

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)/UAT_General Scans ch 23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

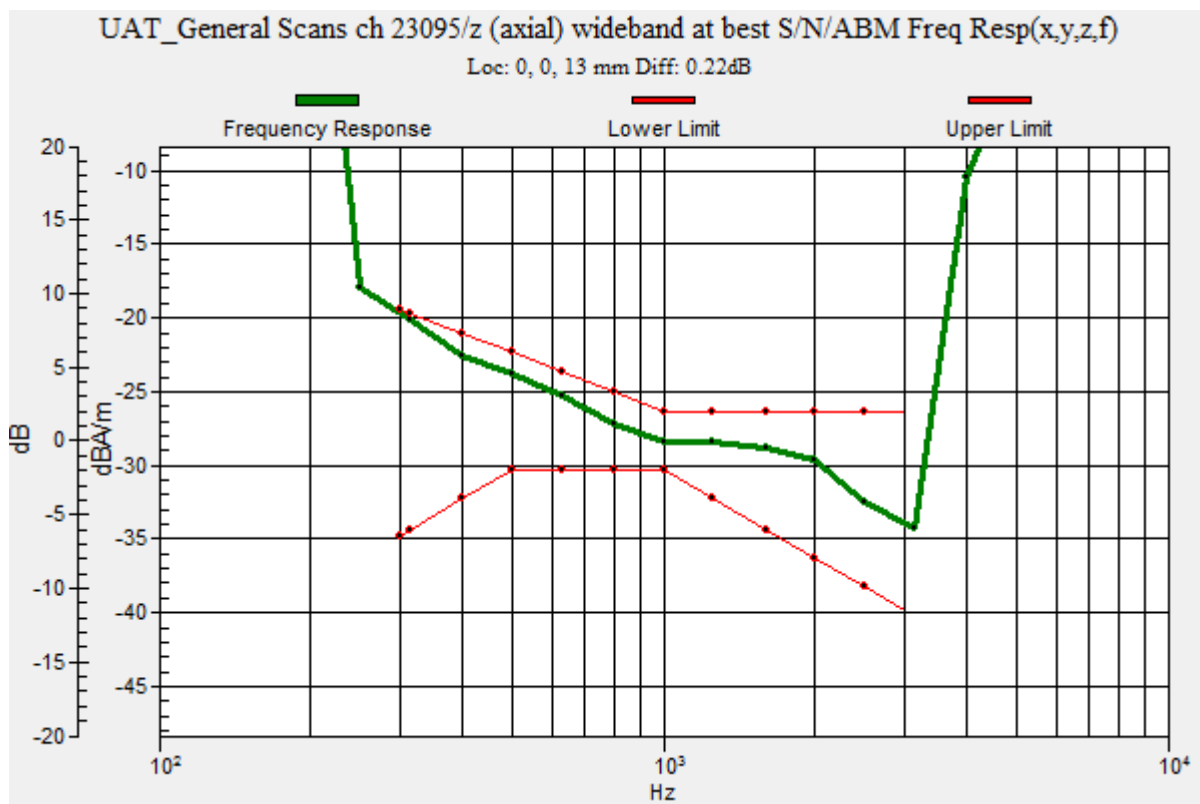
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.22 dB

BWC Factor = 10.80 dB

Location: 0, 0, 13 mm



LTE Band 12 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

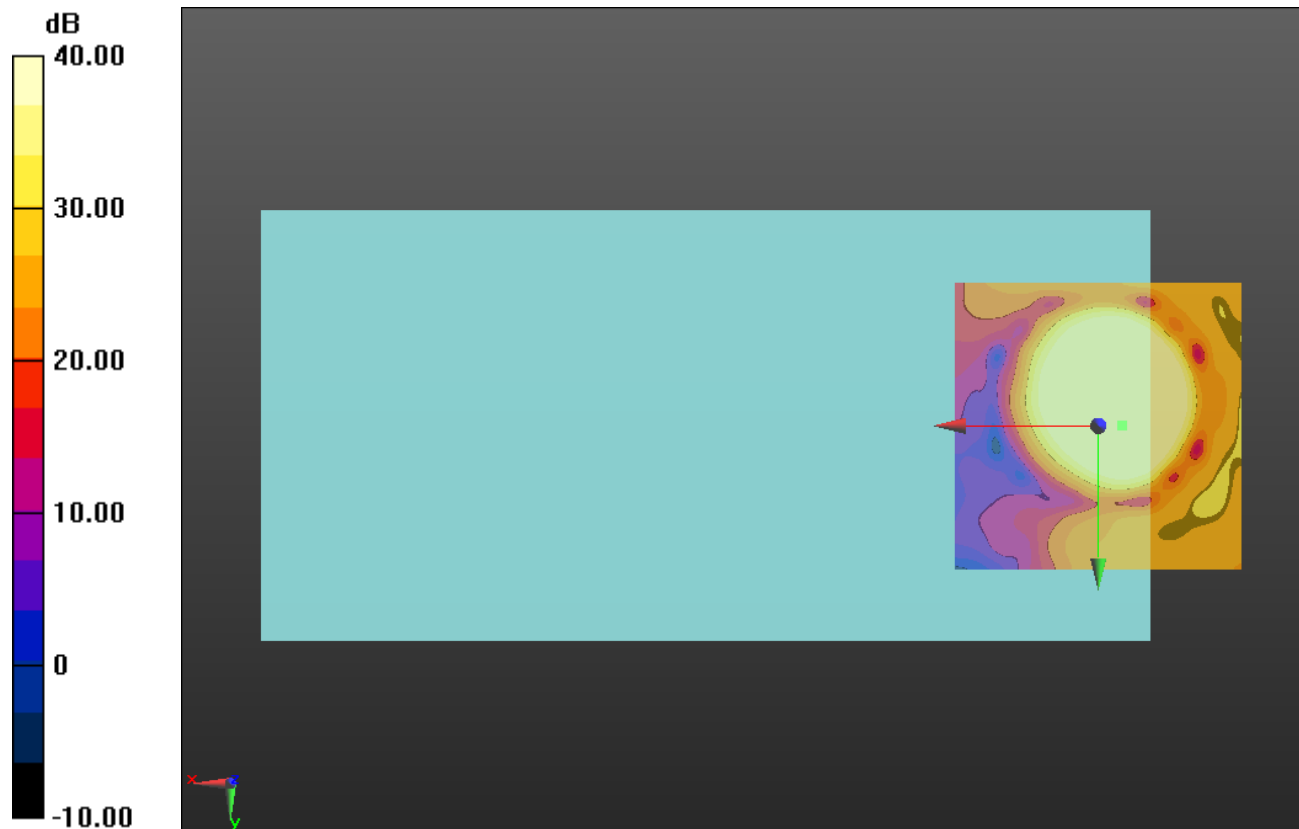
Cursor:

ABM1/ABM2 = 56.57 dB

ABM1 comp = 8.74 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

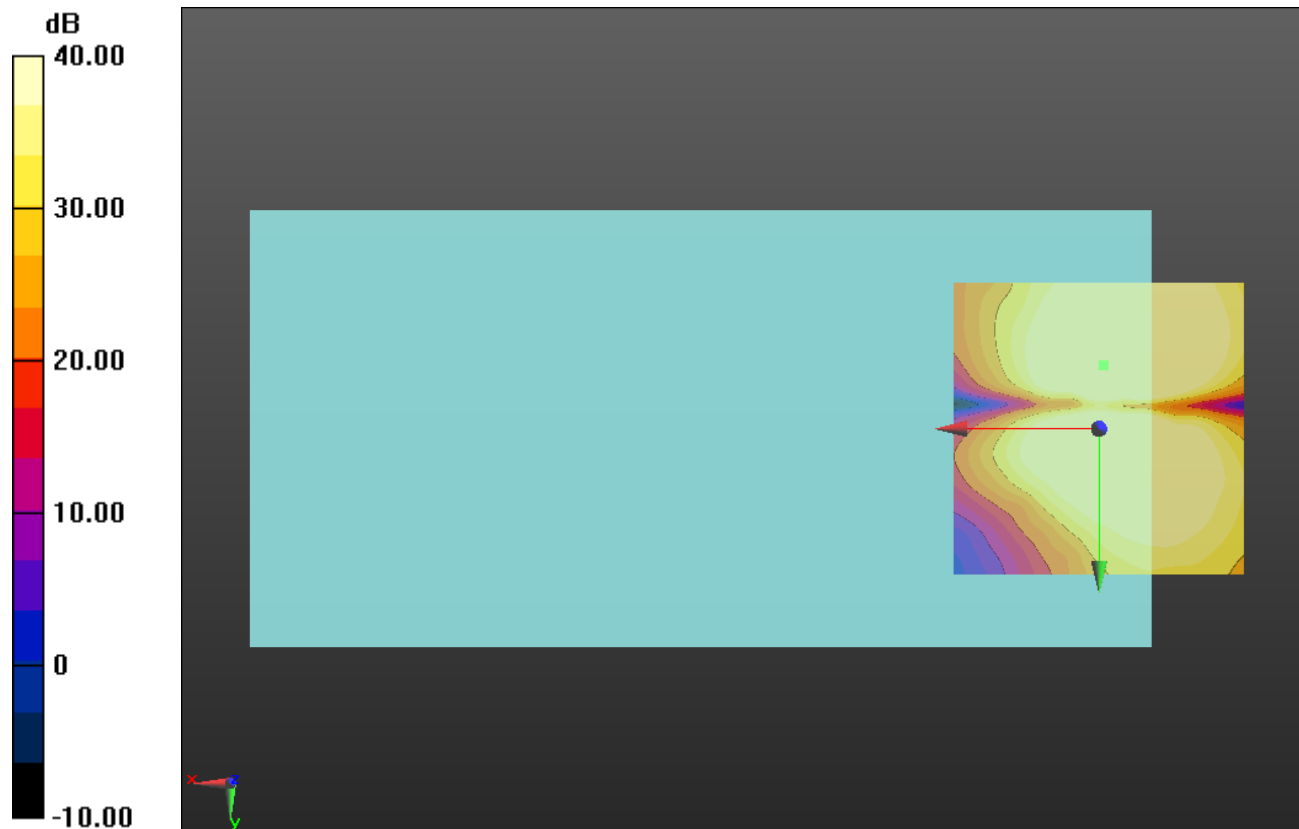
Cursor:

ABM1/ABM2 = 52.01 dB

ABM1 comp = 3.94 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -10.8, 3.7 mm



LTE Band 13 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

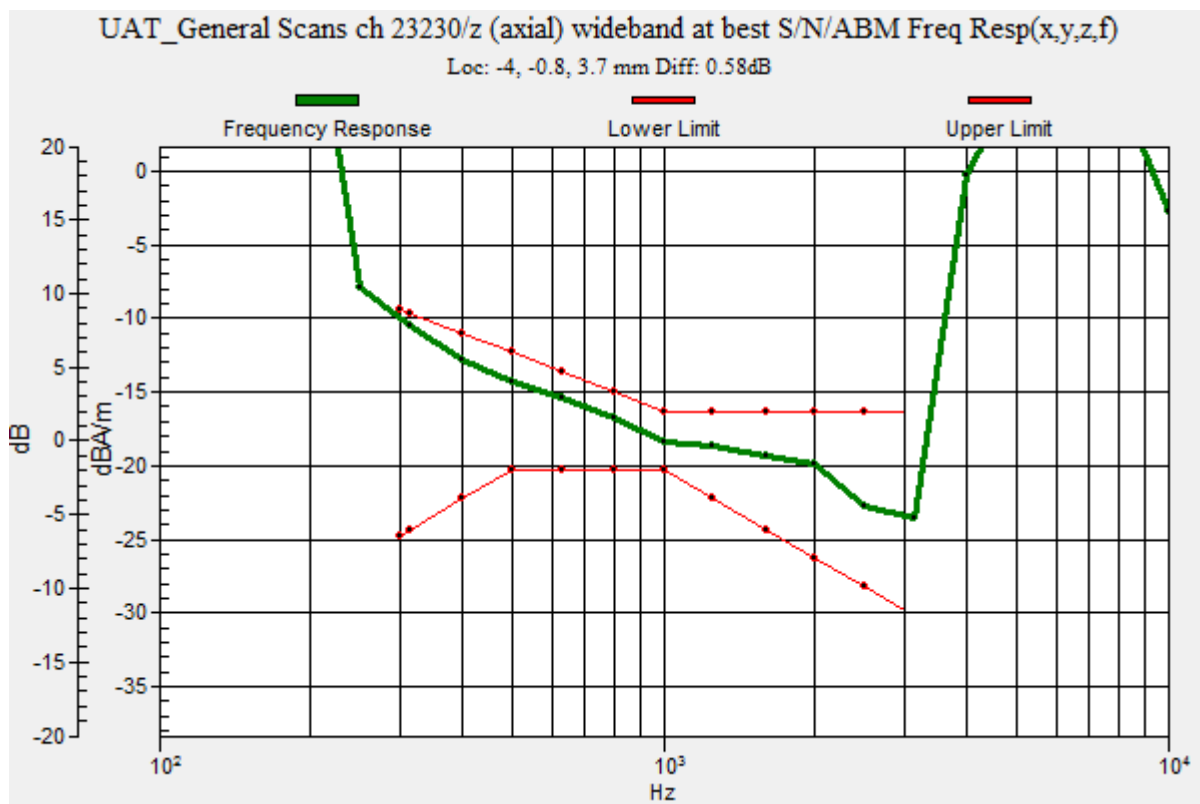
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.58 dB

BWC Factor = 10.80 dB

Location: -4, -0.8, 3.7 mm



LTE Band 13 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

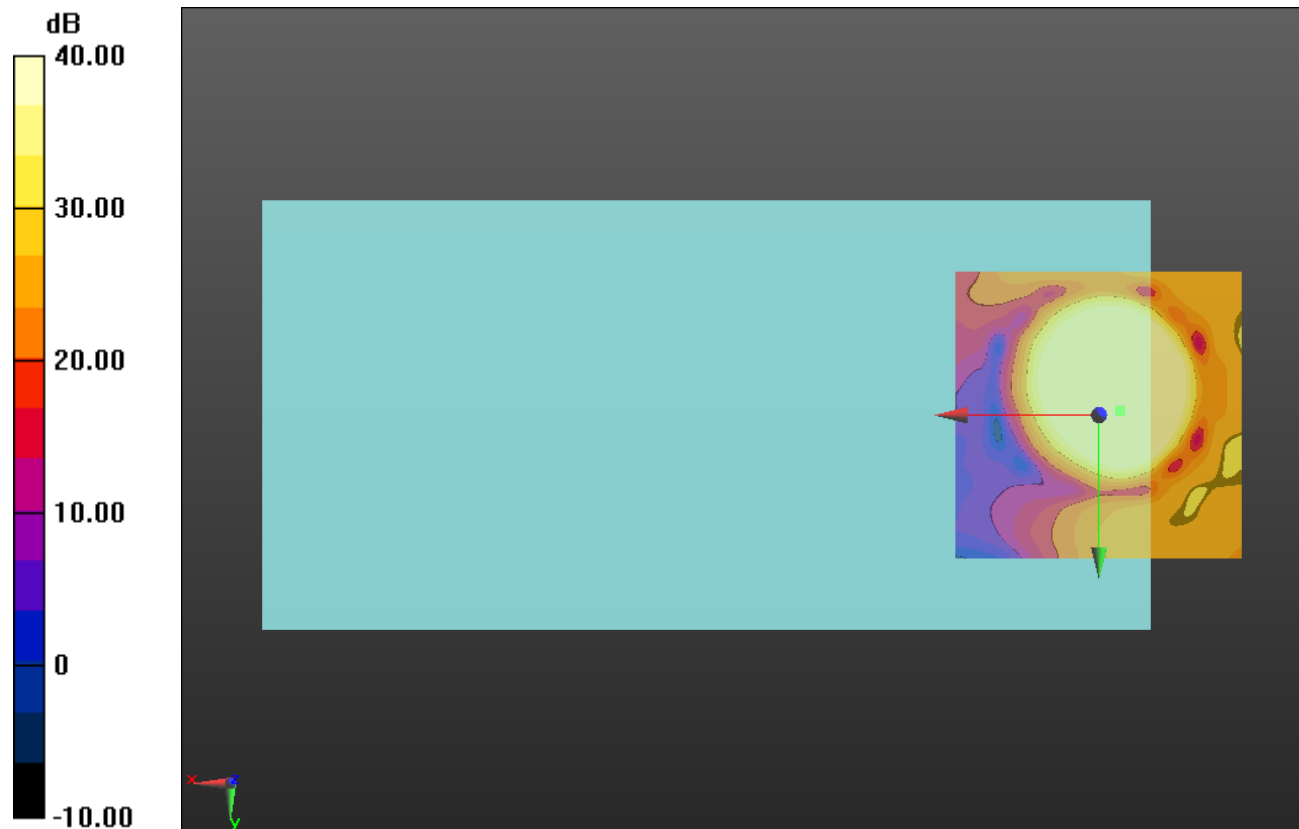
Cursor:

ABM1/ABM2 = 55.94 dB

ABM1 comp = 9.62 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

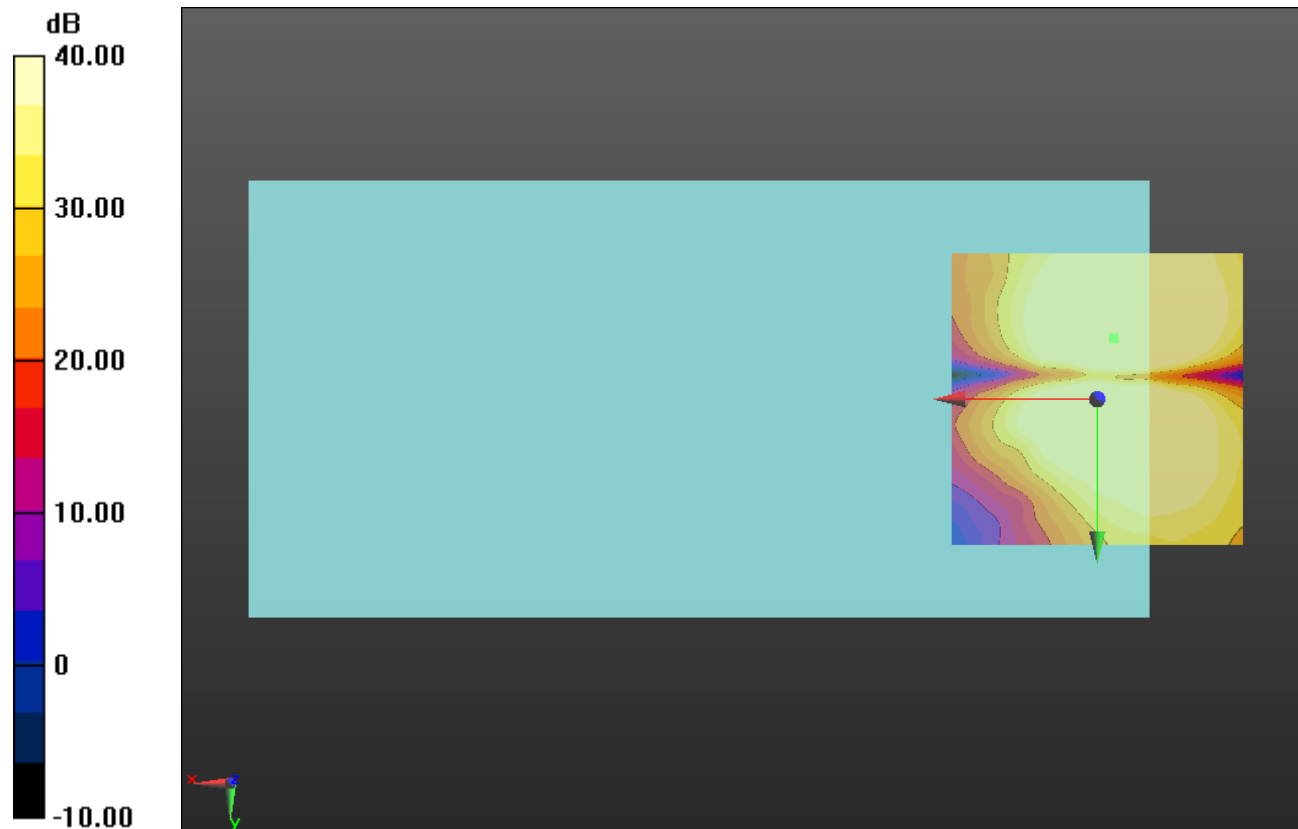
Cursor:

ABM1/ABM2 = 52.14 dB

ABM1 comp = 3.34 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -10.4, 3.7 mm



LTE Band 17 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23790/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

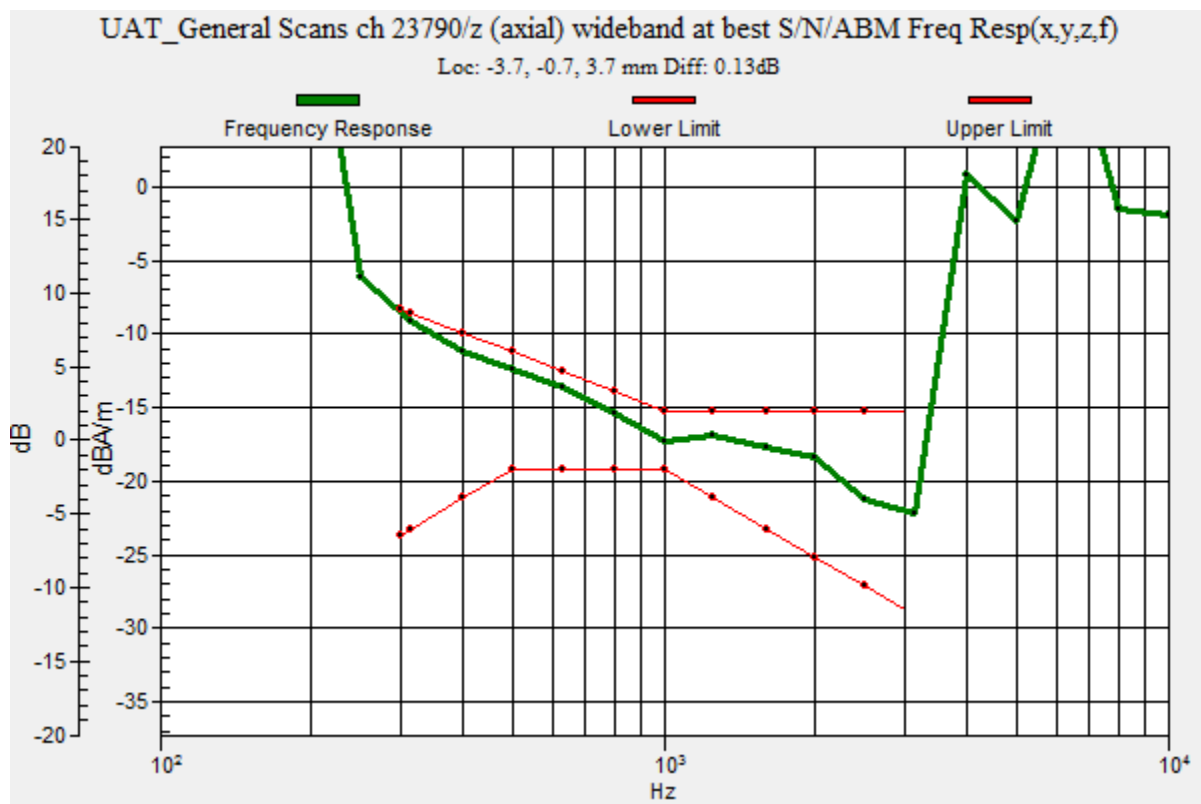
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.13 dB

BWC Factor = 10.80 dB

Location: -3.7, -0.7, 3.7 mm



LTE Band 17 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

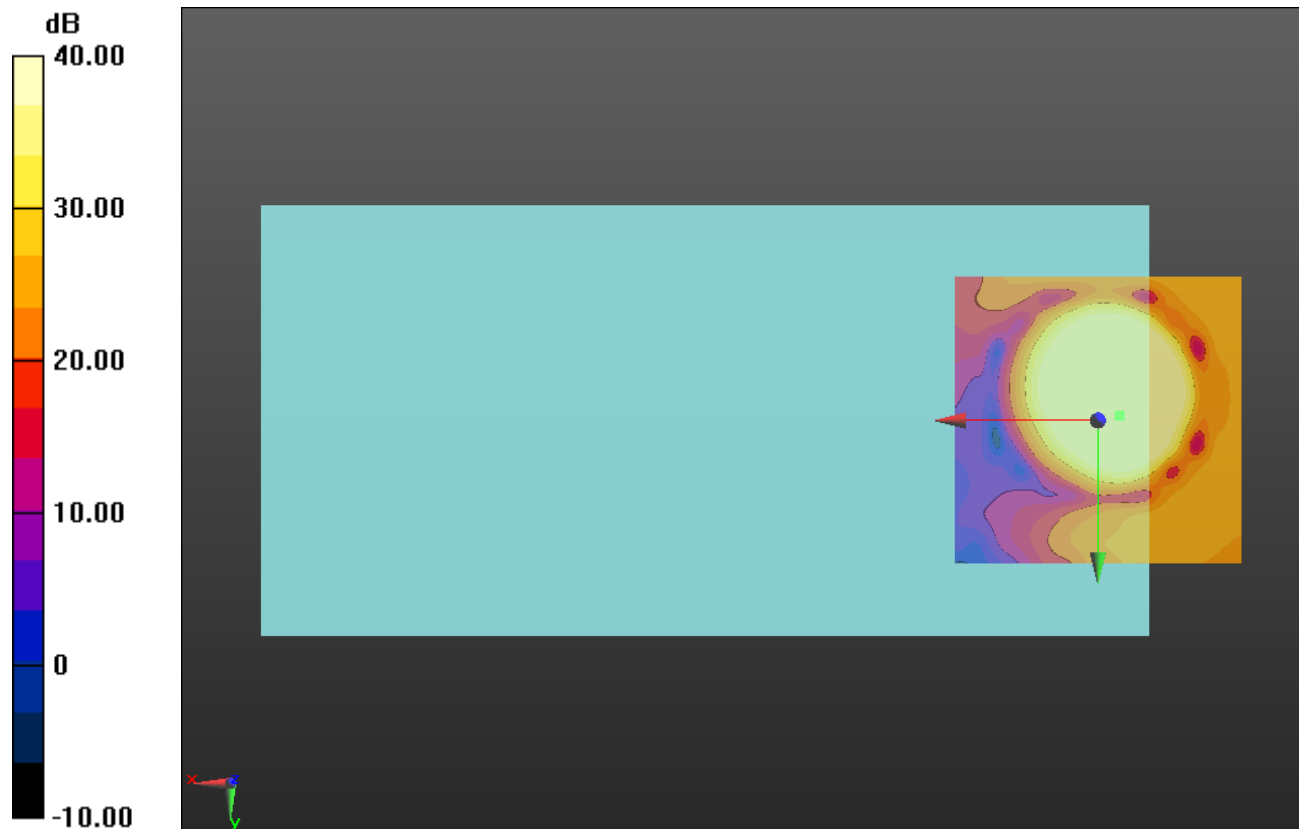
Cursor:

ABM1/ABM2 = 55.84 dB

ABM1 comp = 9.60 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 17 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

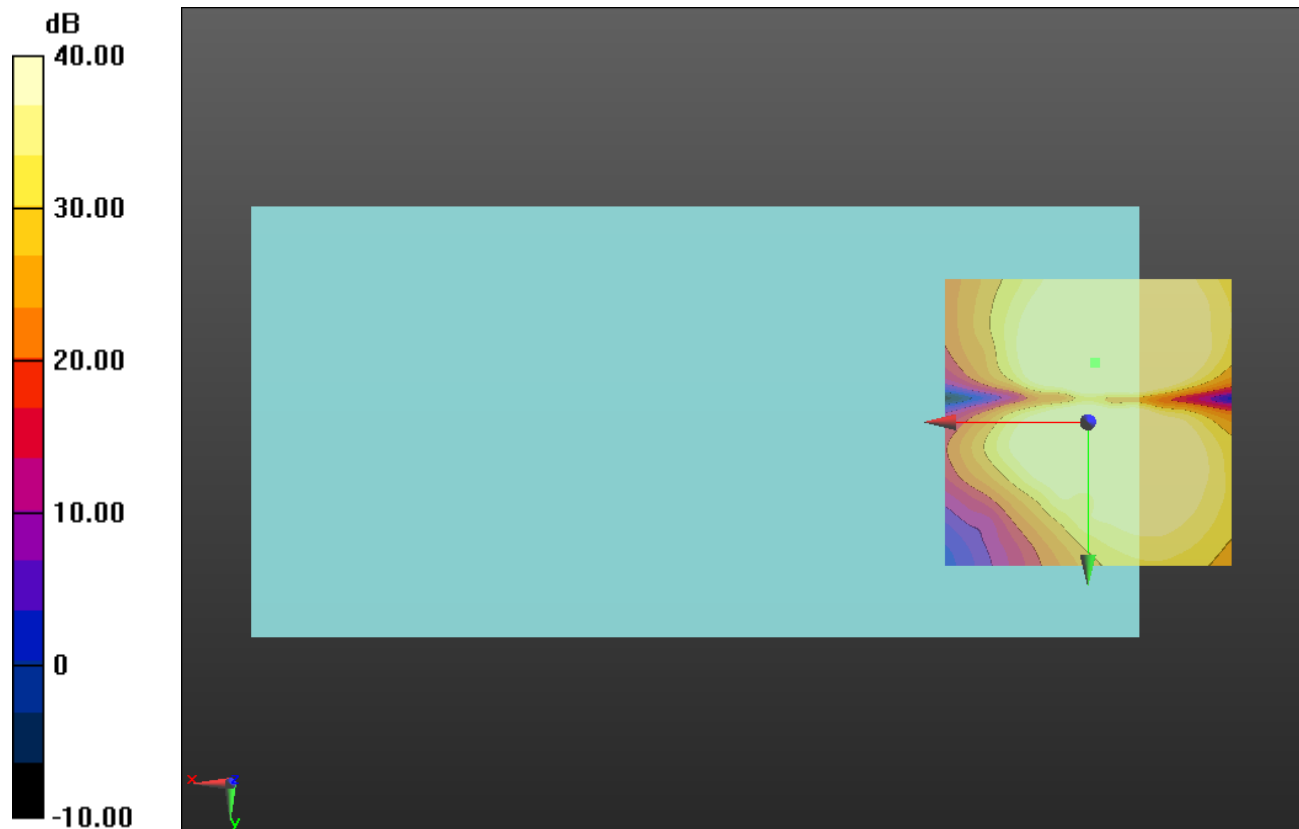
Cursor:

ABM1/ABM2 = 51.69 dB

ABM1 comp = 3.78 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -10.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26365/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

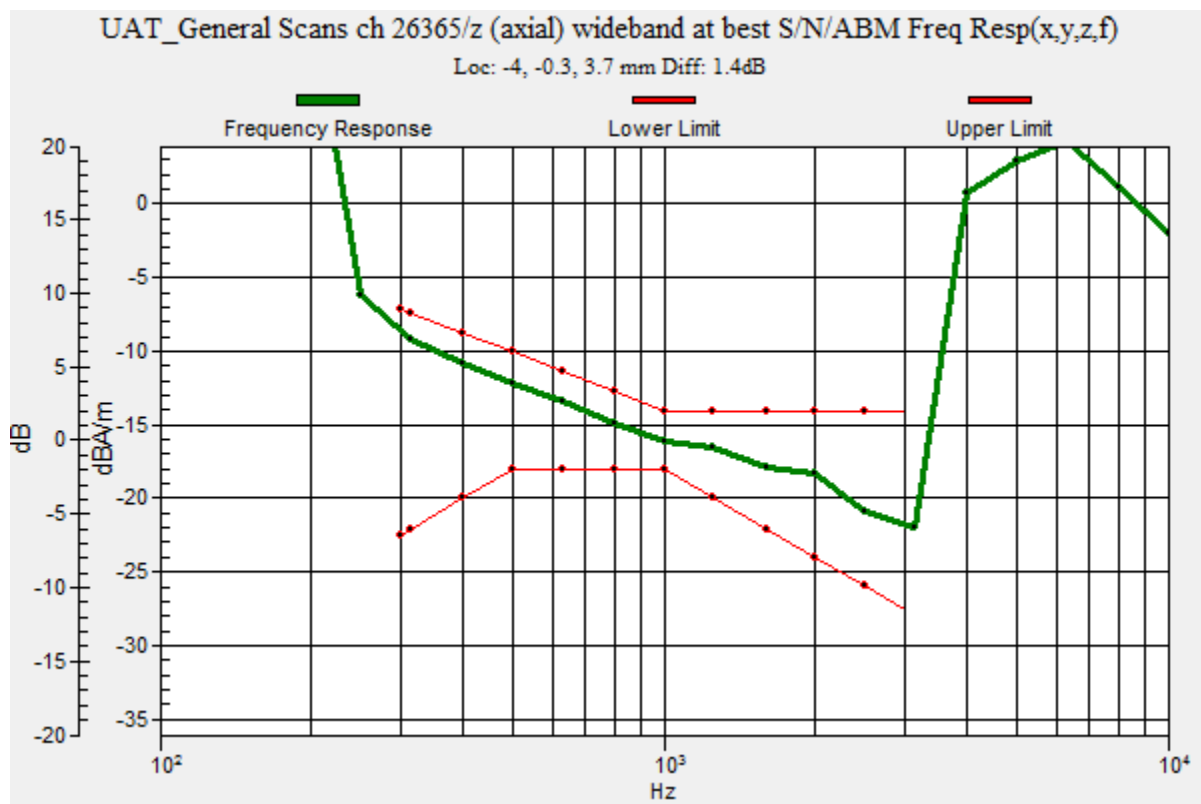
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.40 dB

BWC Factor = 10.80 dB

Location: -4, -0.3, 3.7 mm



LTE Band 25 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

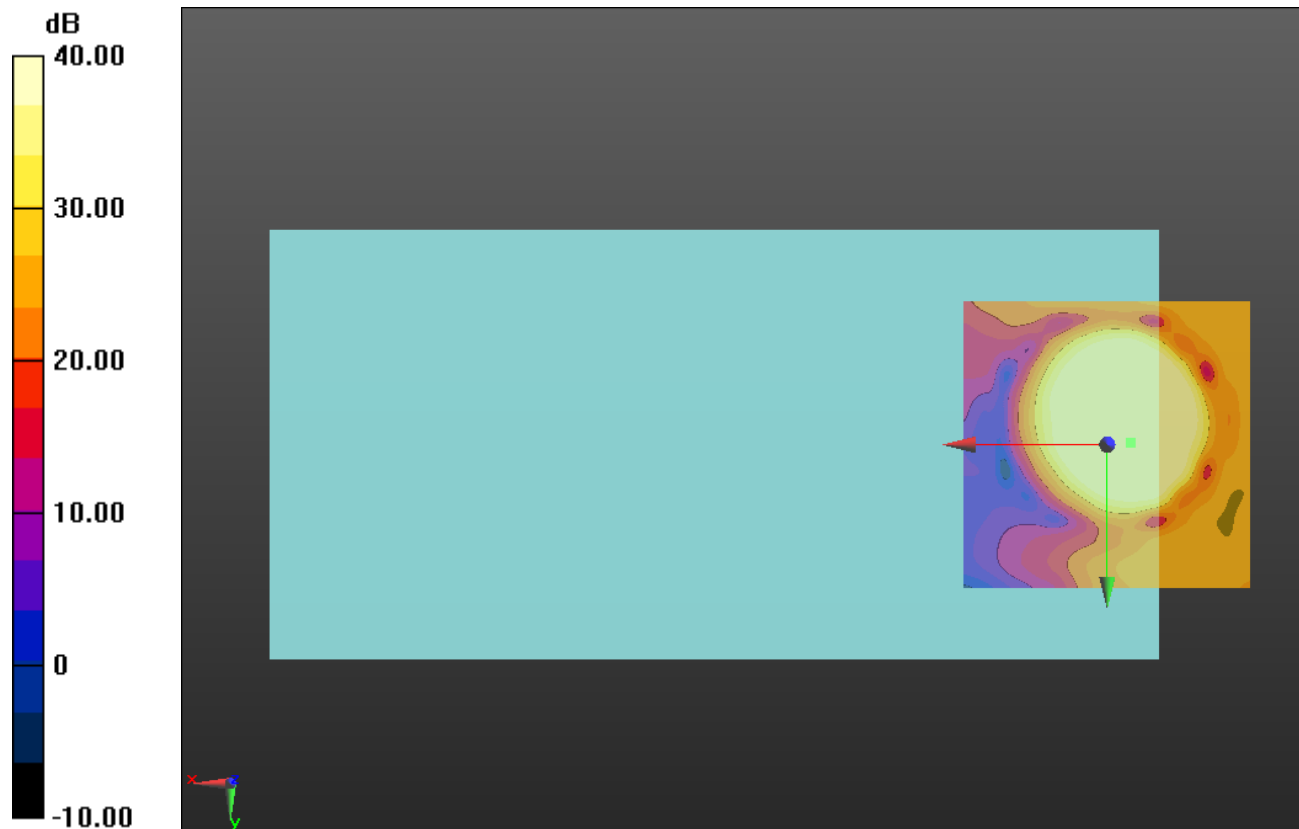
Cursor:

ABM1/ABM2 = 56.02 dB

ABM1 comp = 9.53 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



LTE Band 25 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

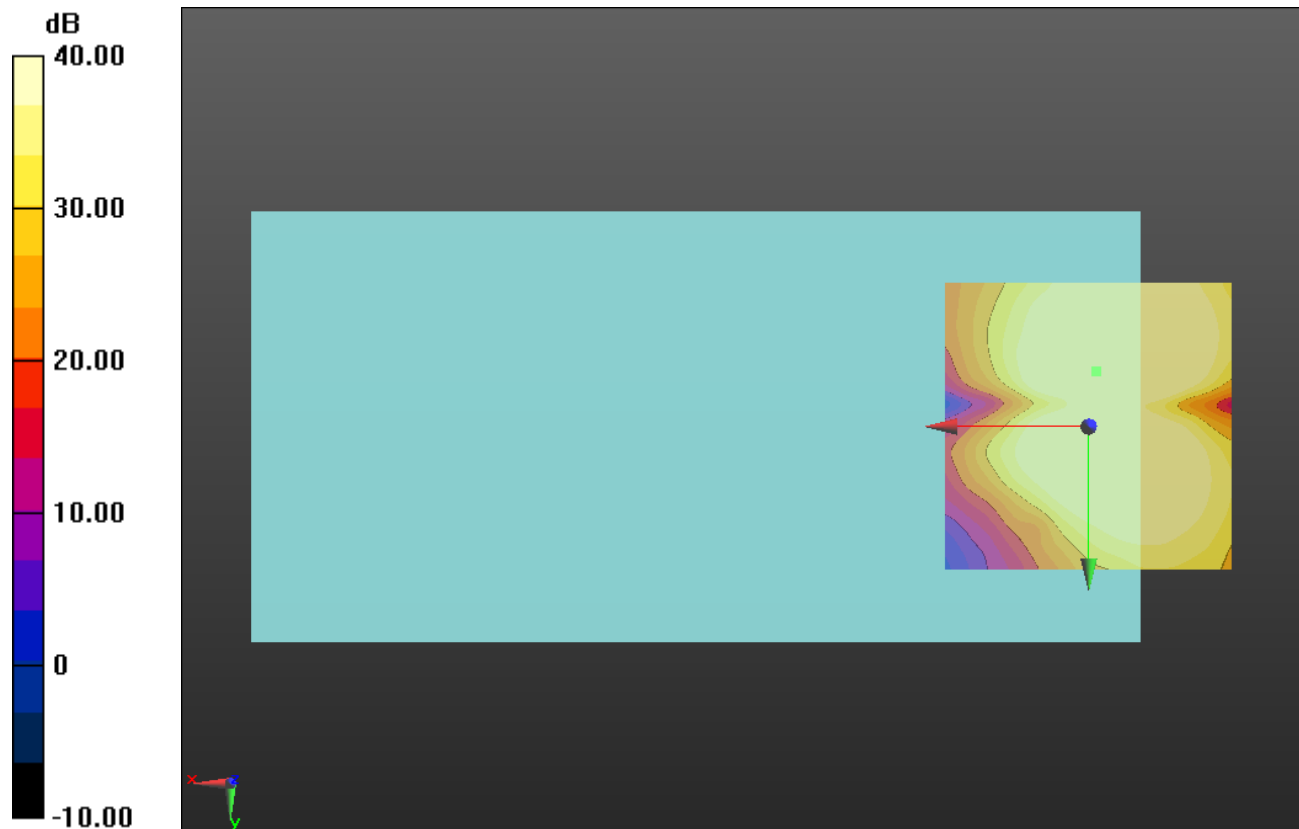
Cursor:

ABM1/ABM2 = 52.10 dB

ABM1 comp = 3.31 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

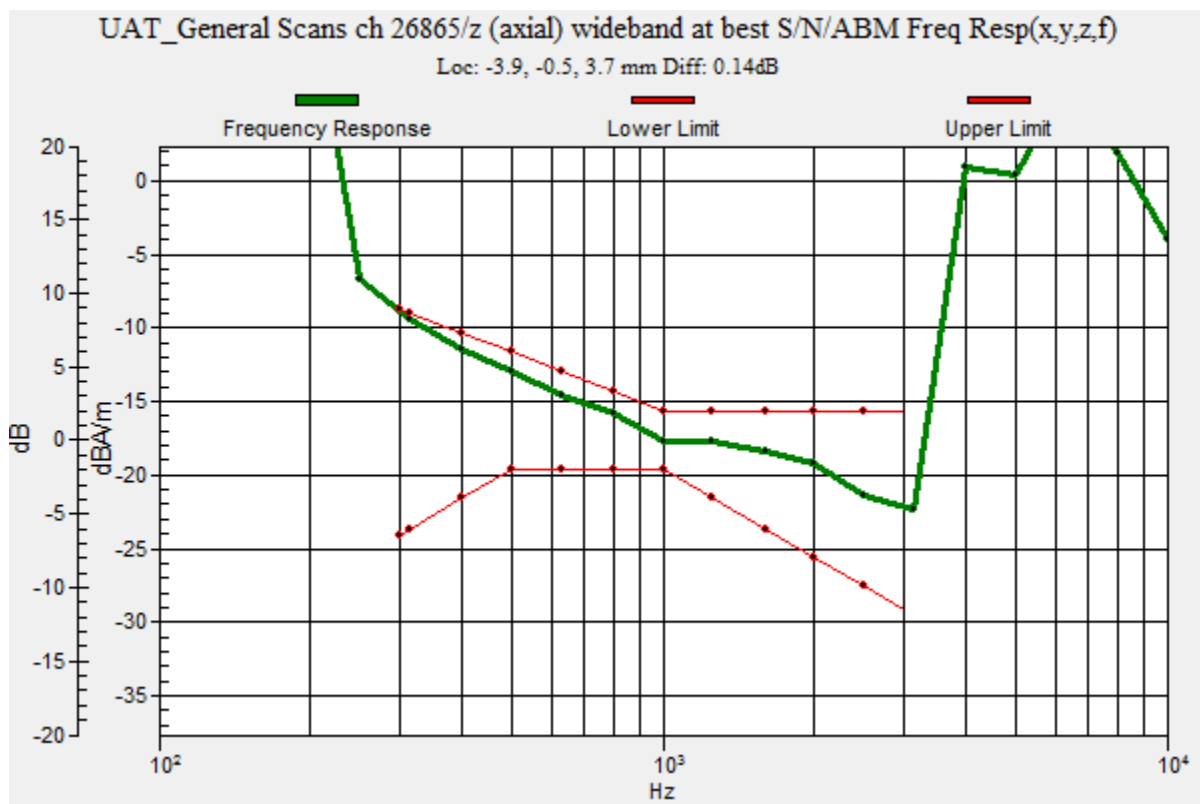
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.14 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.5, 3.7 mm



LTE Band 26 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

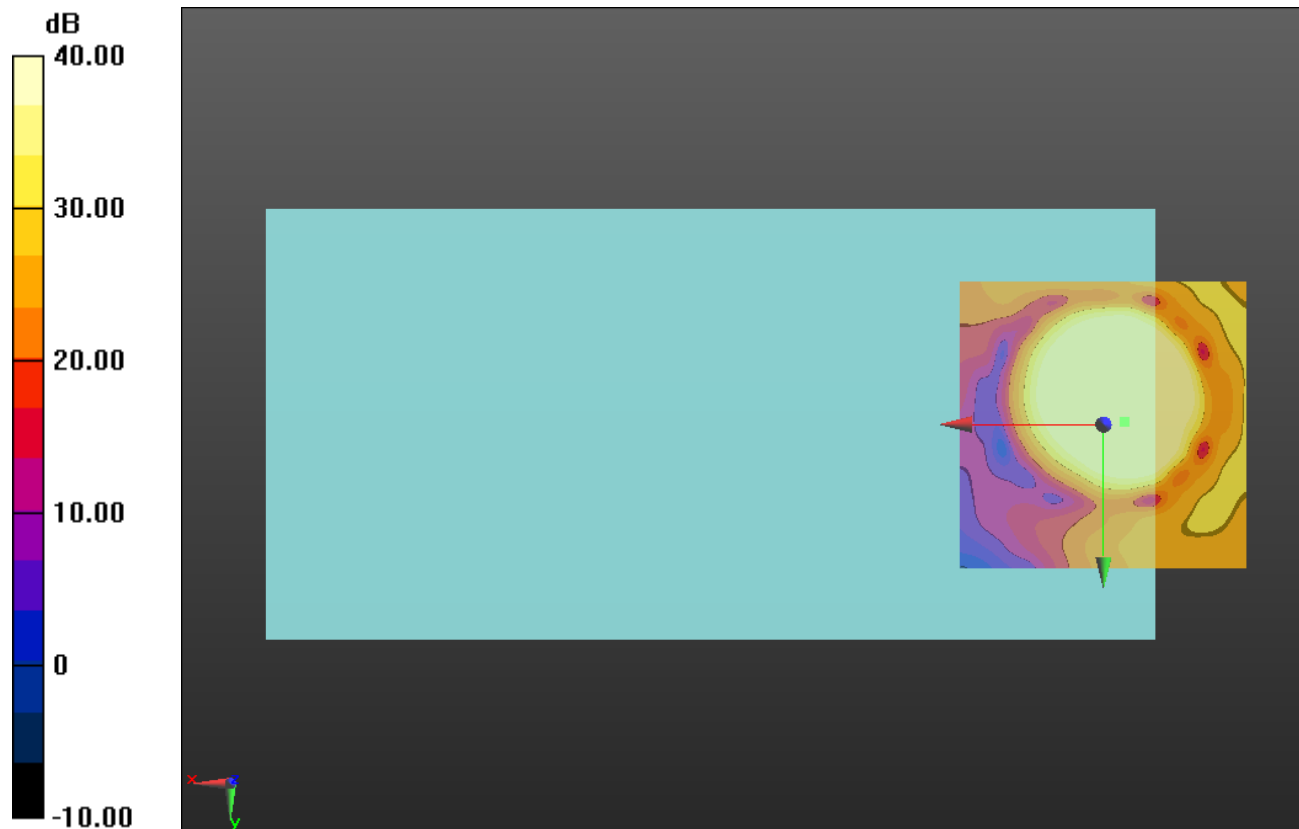
Cursor:

ABM1/ABM2 = 57.40 dB

ABM1 comp = 9.33 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

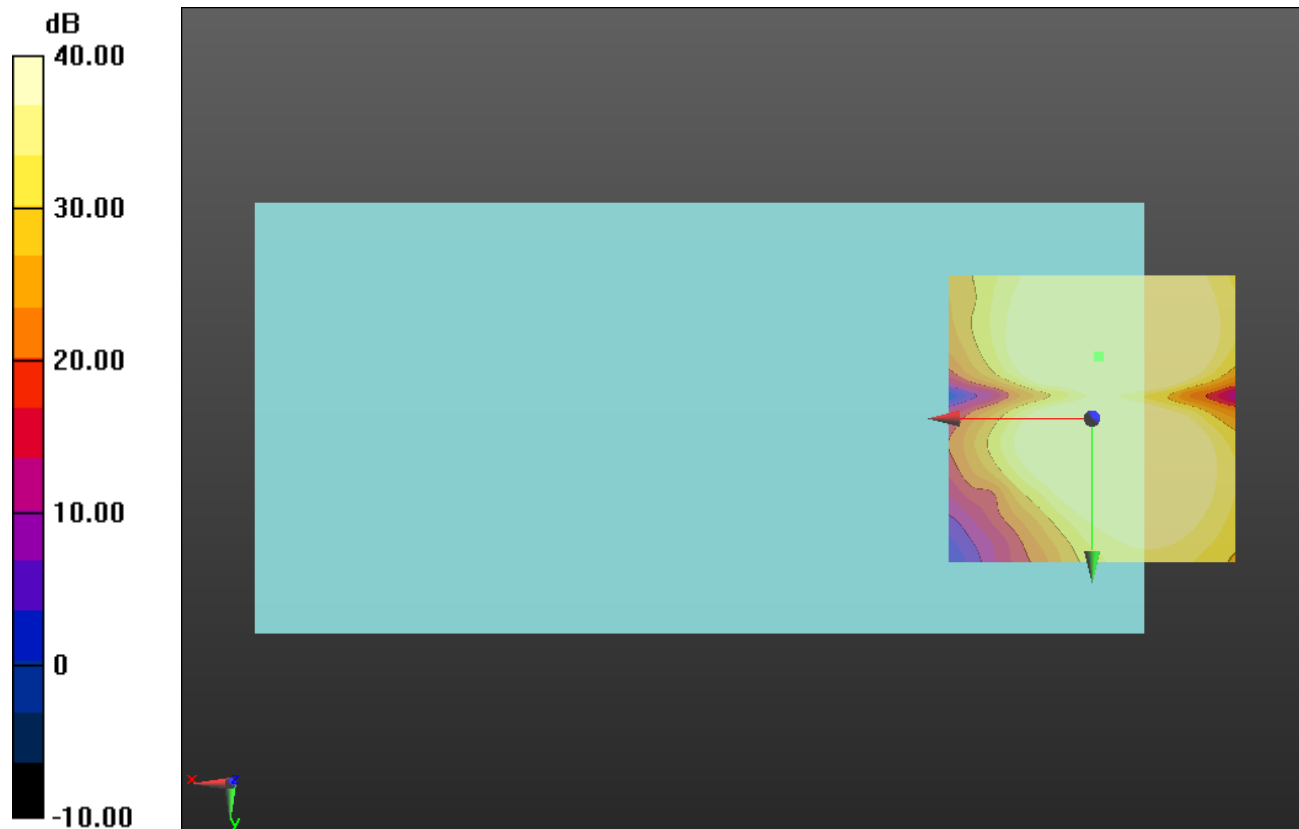
Cursor:

ABM1/ABM2 = 52.78 dB

ABM1 comp = 3.41 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -10.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27125/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

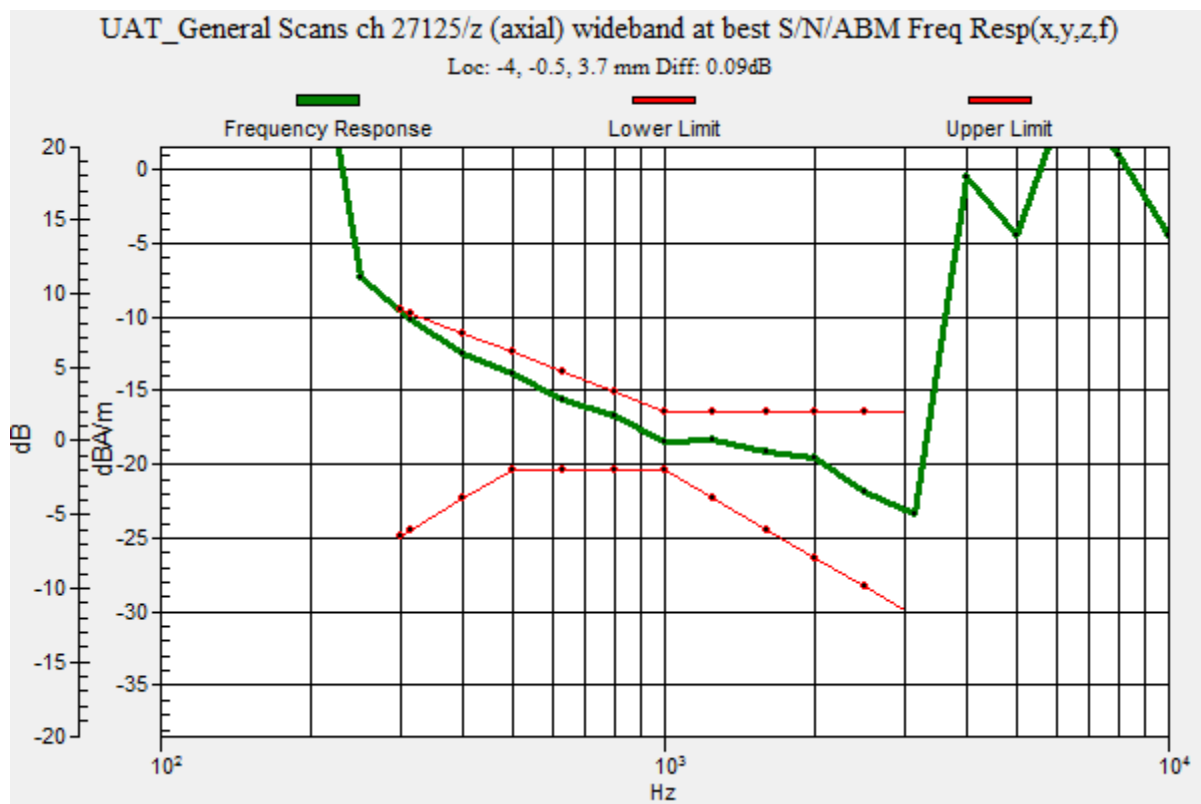
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.09 dB

BWC Factor = 10.80 dB

Location: -4, -0.5, 3.7 mm



LTE Band 27 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

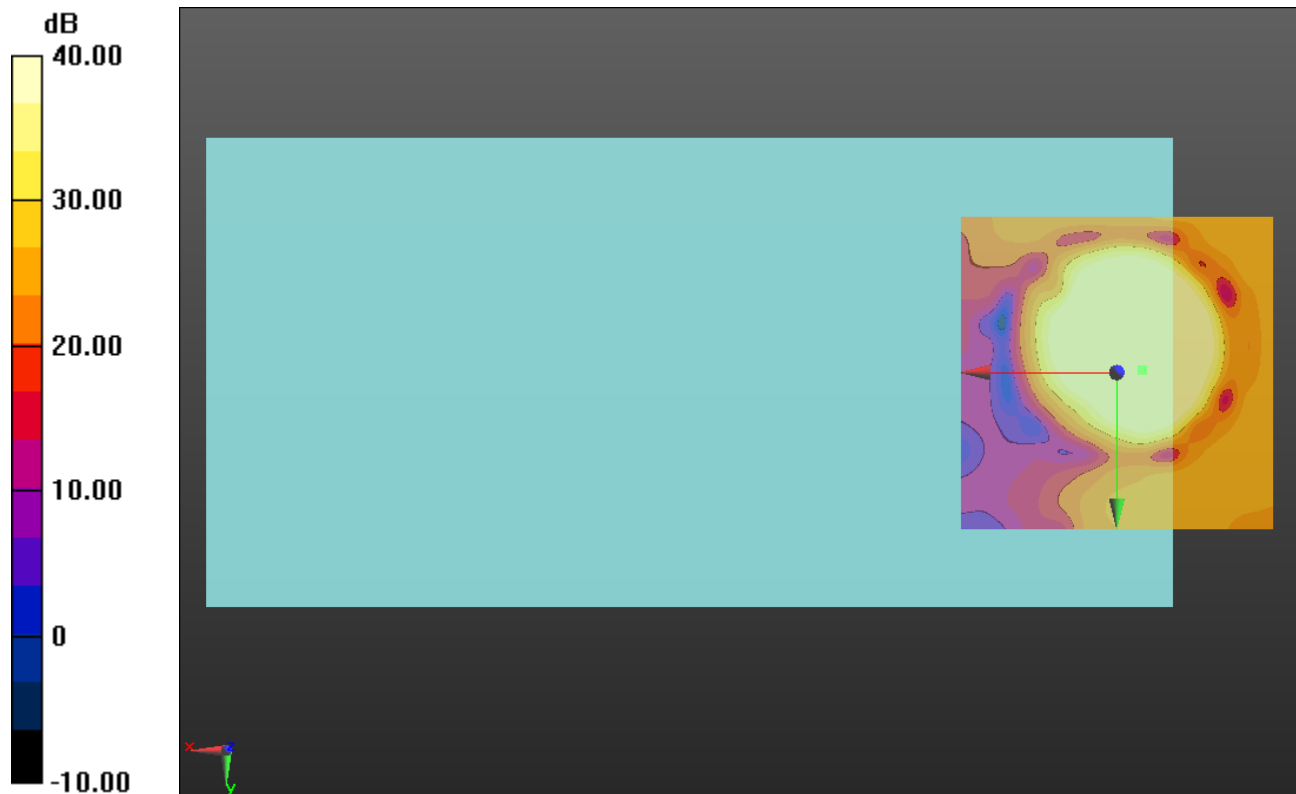
Cursor:

ABM1/ABM2 = 57.61 dB

ABM1 comp = 9.75 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

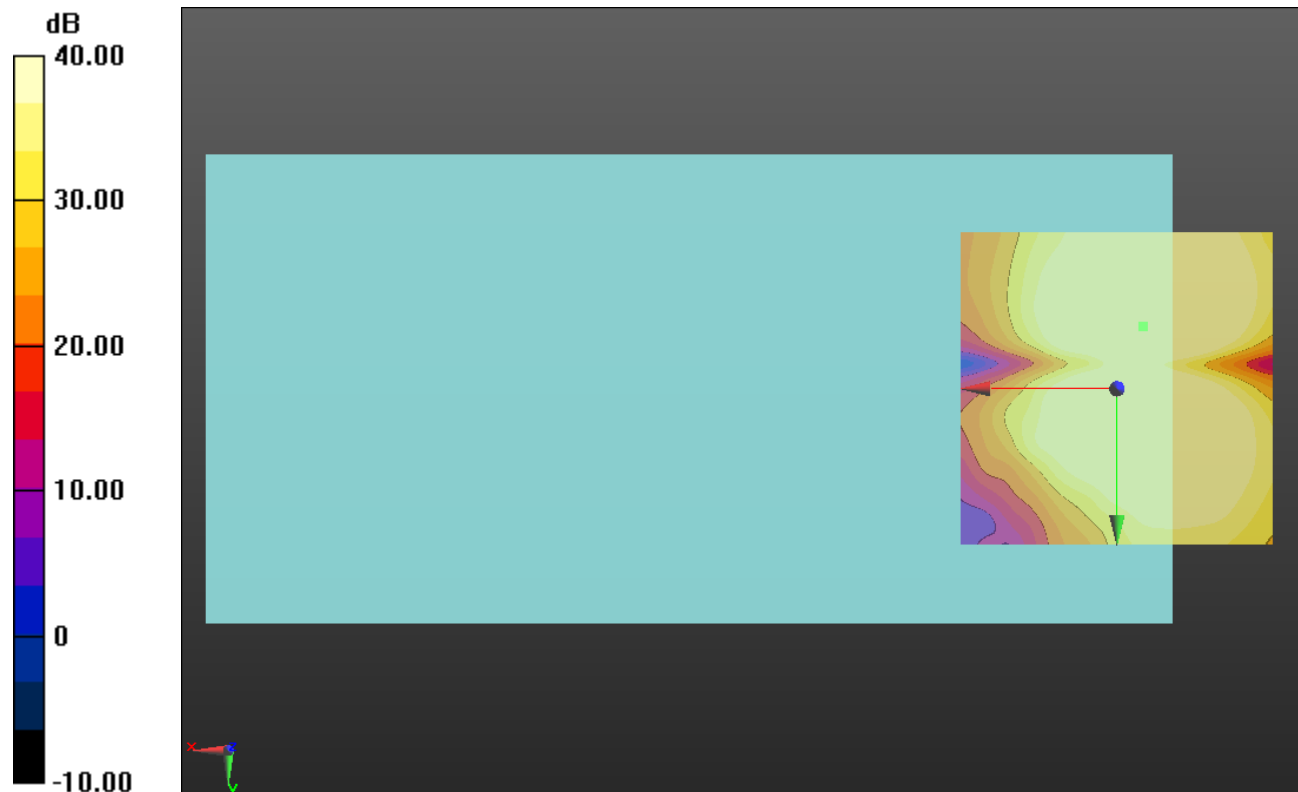
Cursor:

ABM1/ABM2 = 52.82 dB

ABM1 comp = 3.02 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

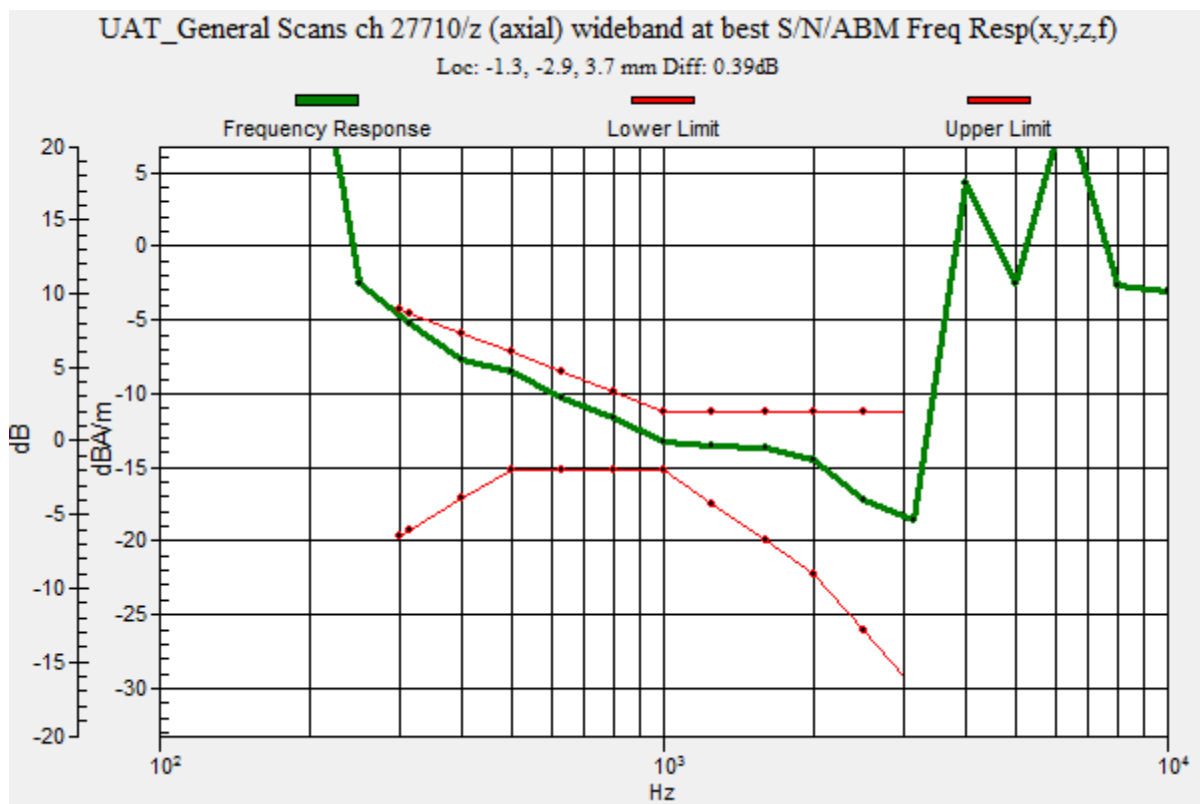
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.39 dB

BWC Factor = 10.81 dB

Location: -1.3, -2.9, 3.7 mm



LTE Band 30 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

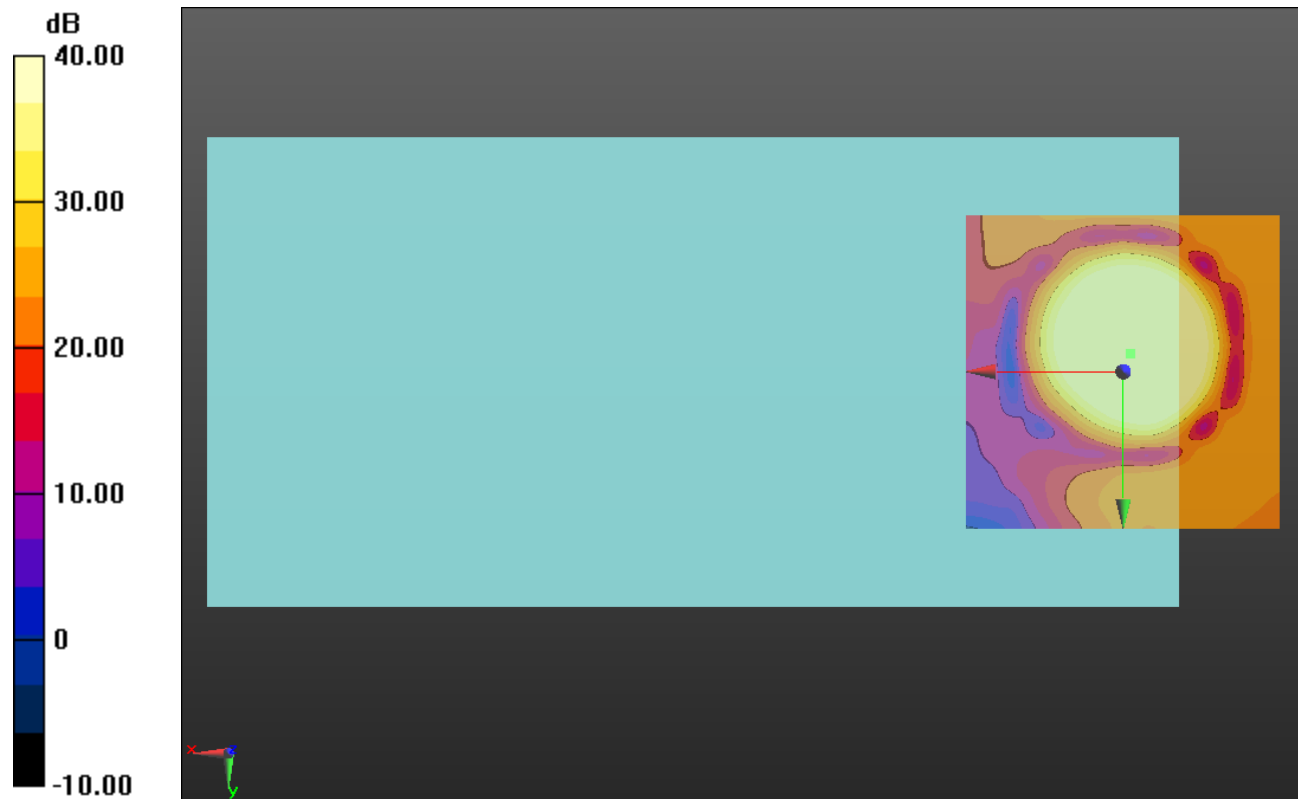
Cursor:

ABM1/ABM2 = 54.28 dB

ABM1 comp = 13.33 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

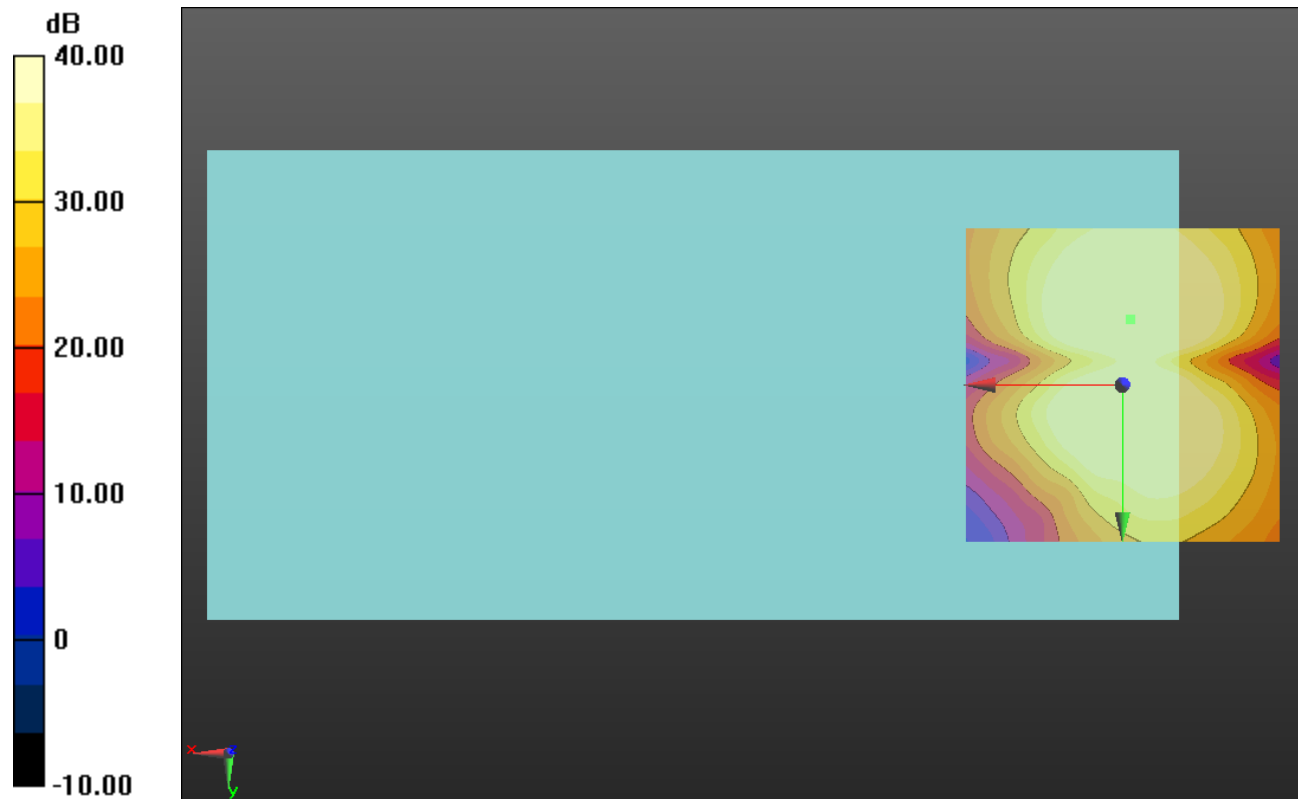
Cursor:

ABM1/ABM2 = 48.73 dB

ABM1 comp = 4.02 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -10.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Narrowband

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)/UAT_General Scans ch 40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

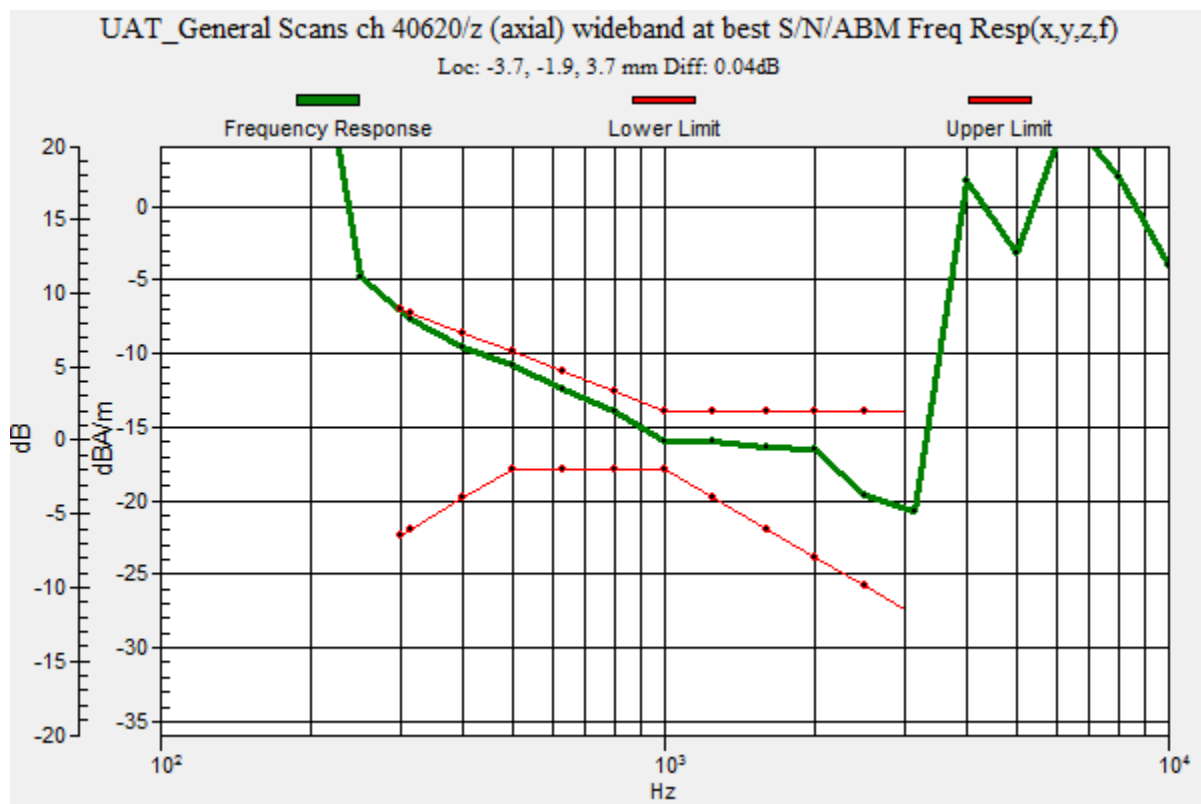
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.04 dB

BWC Factor = 10.80 dB

Location: -3.7, -1.9, 3.7 mm



LTE Band 41 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

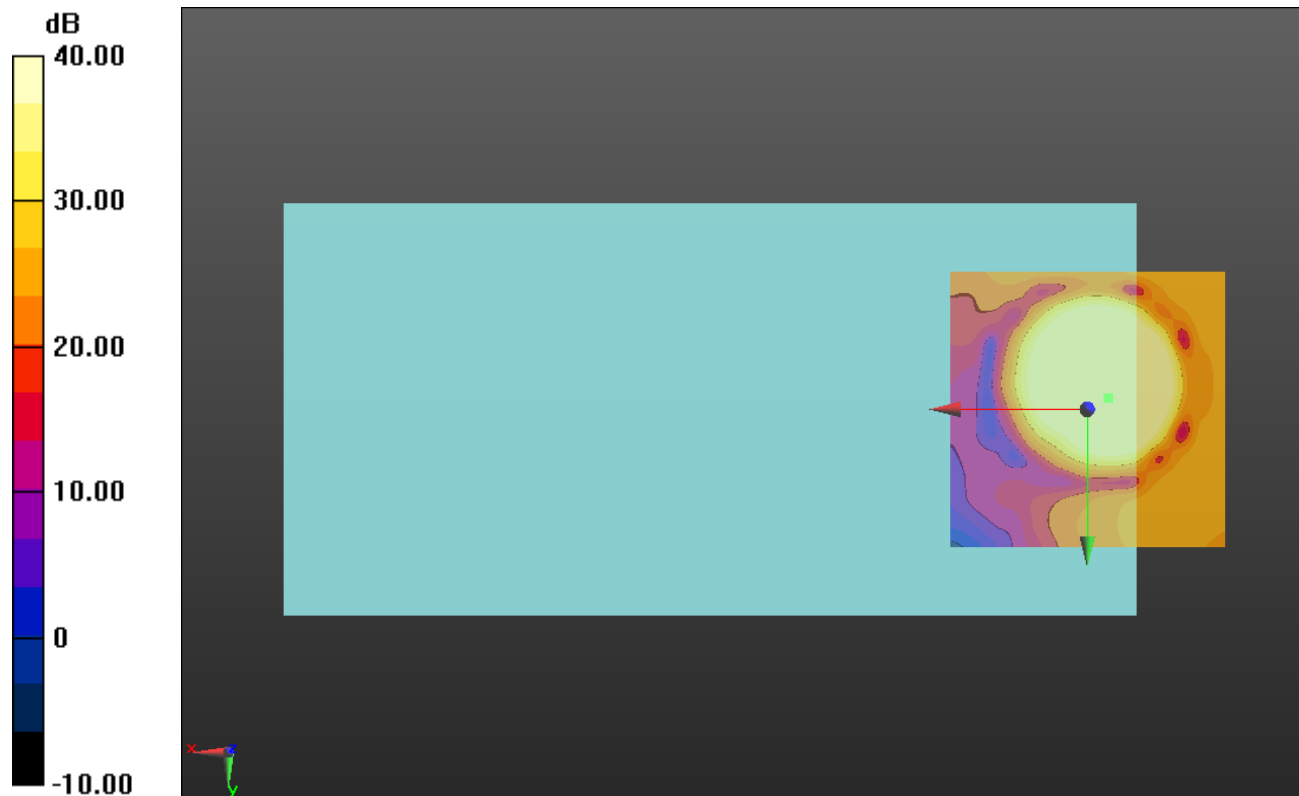
Cursor:

ABM1/ABM2 = 56.57 dB

ABM1 comp = 11.01 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -2.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

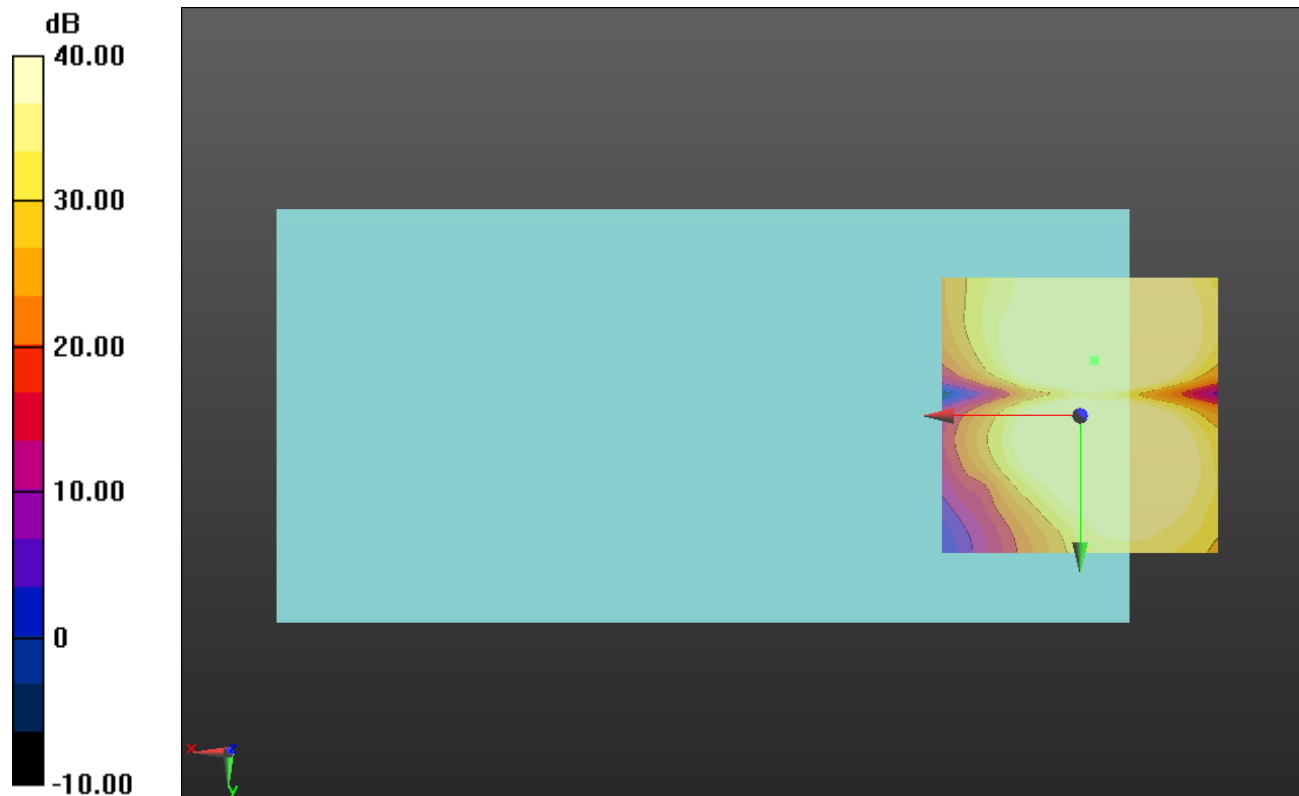
Cursor:

ABM1/ABM2 = 53.12 dB

ABM1 comp = 3.45 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

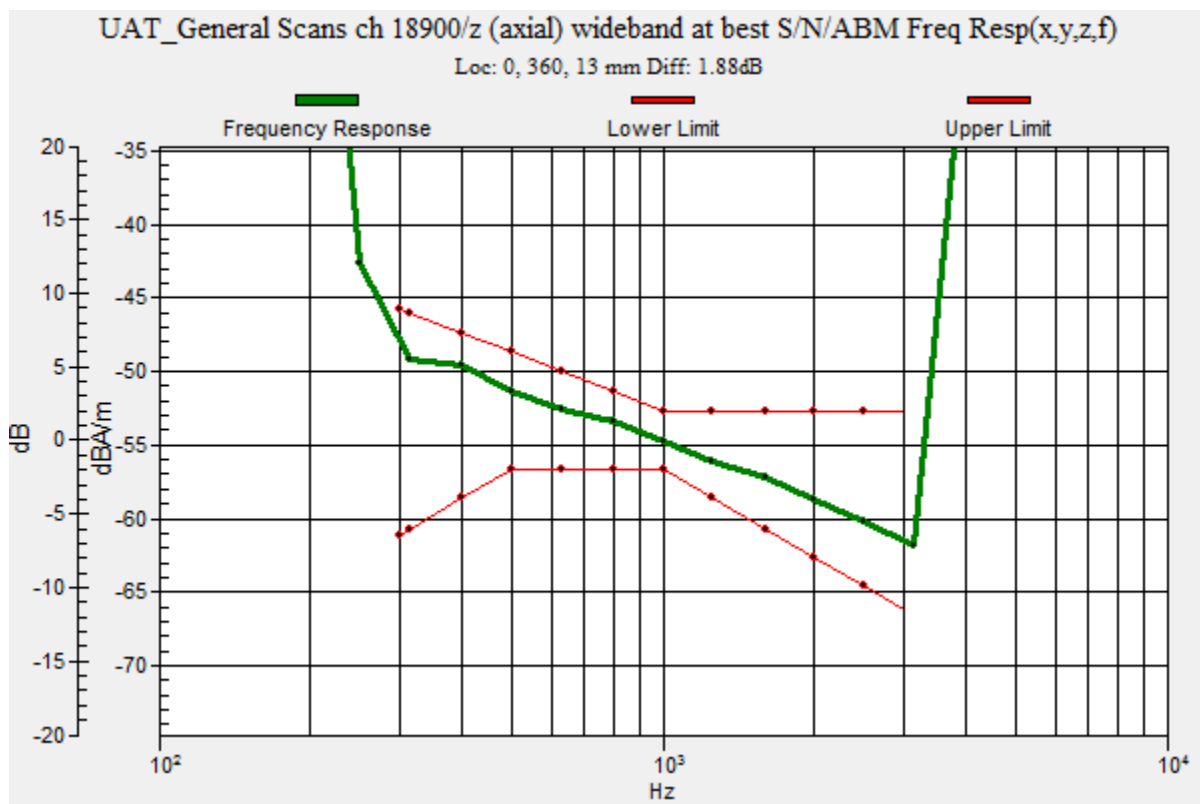
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.88 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 2 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

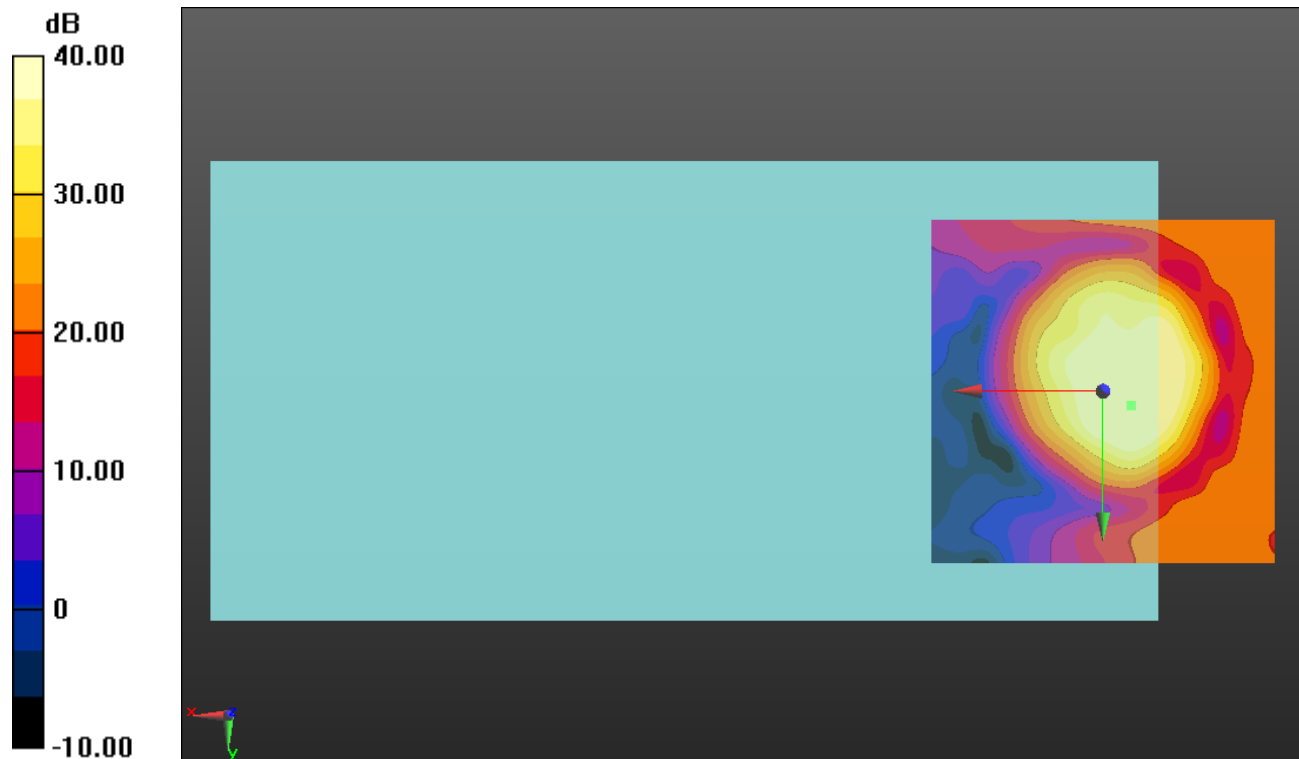
Cursor:

ABM1/ABM2 = 45.62 dB

ABM1 comp = -1.60 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 2.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

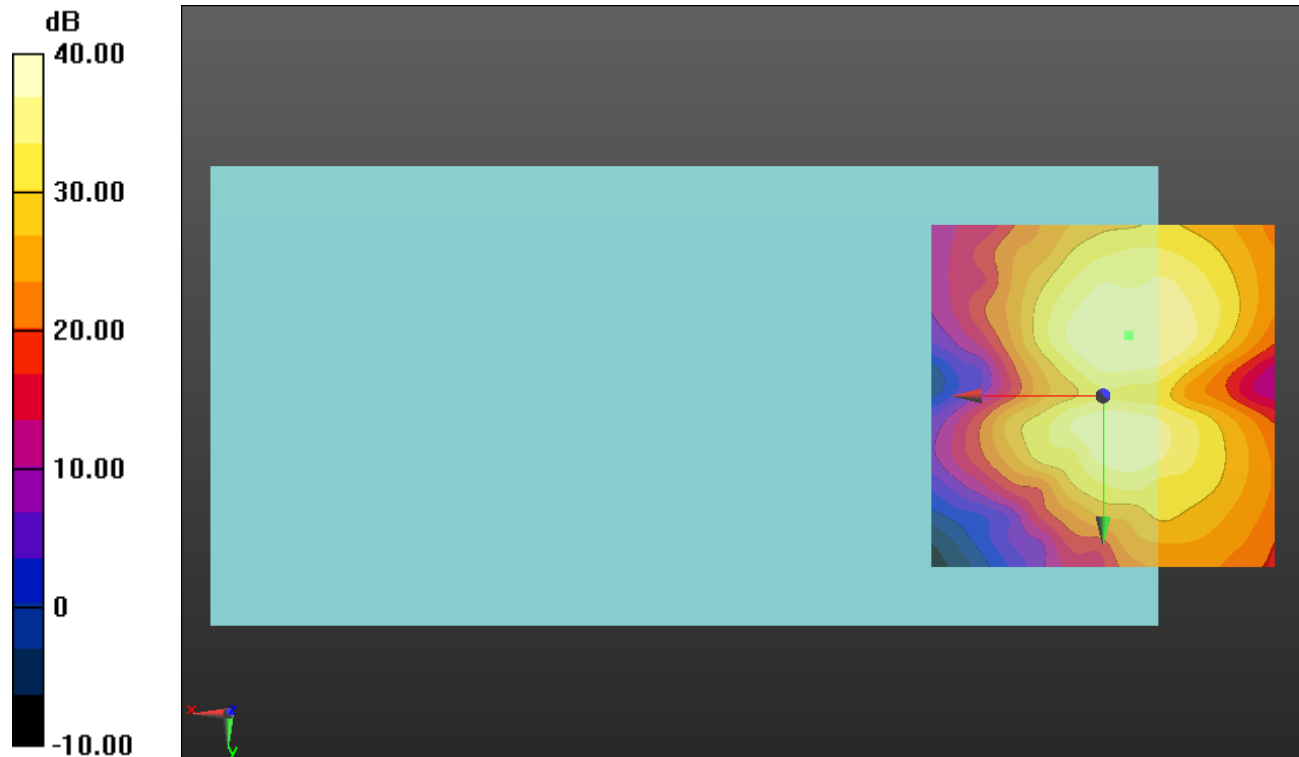
Cursor:

ABM1/ABM2 = 43.00 dB

ABM1 comp = -6.56 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

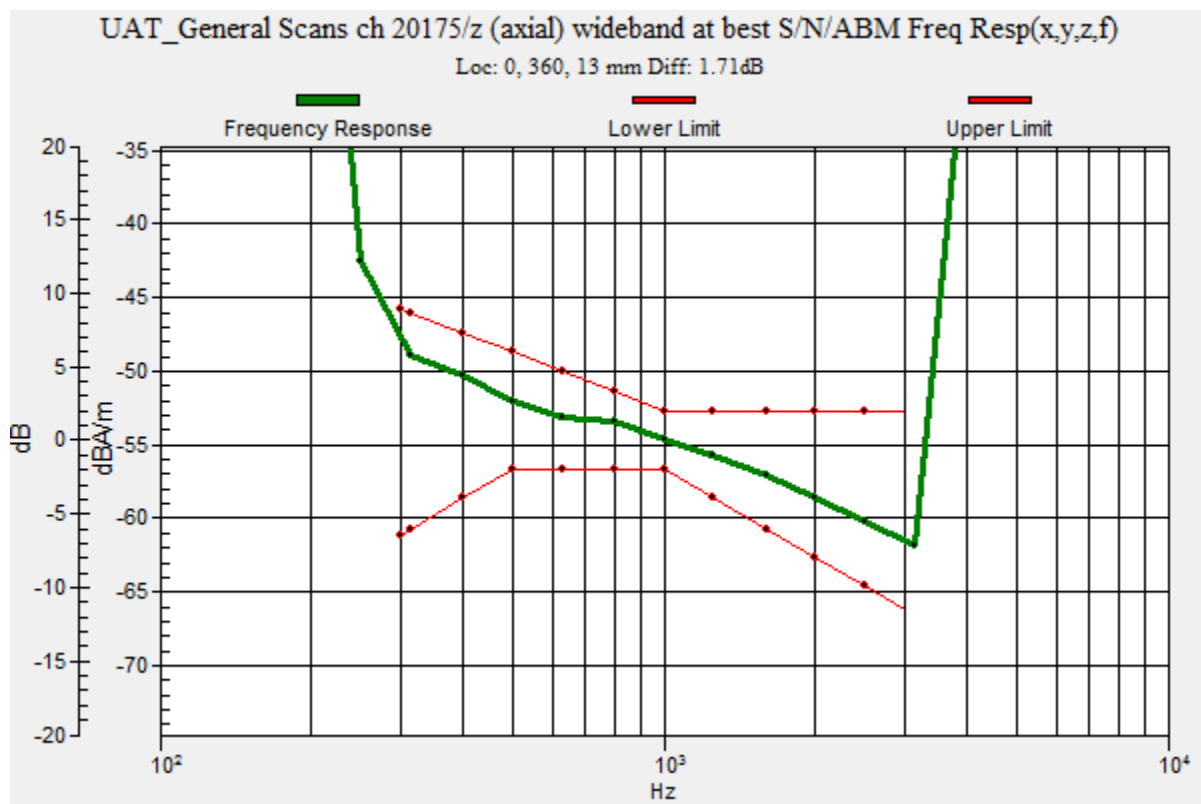
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.71 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 4 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

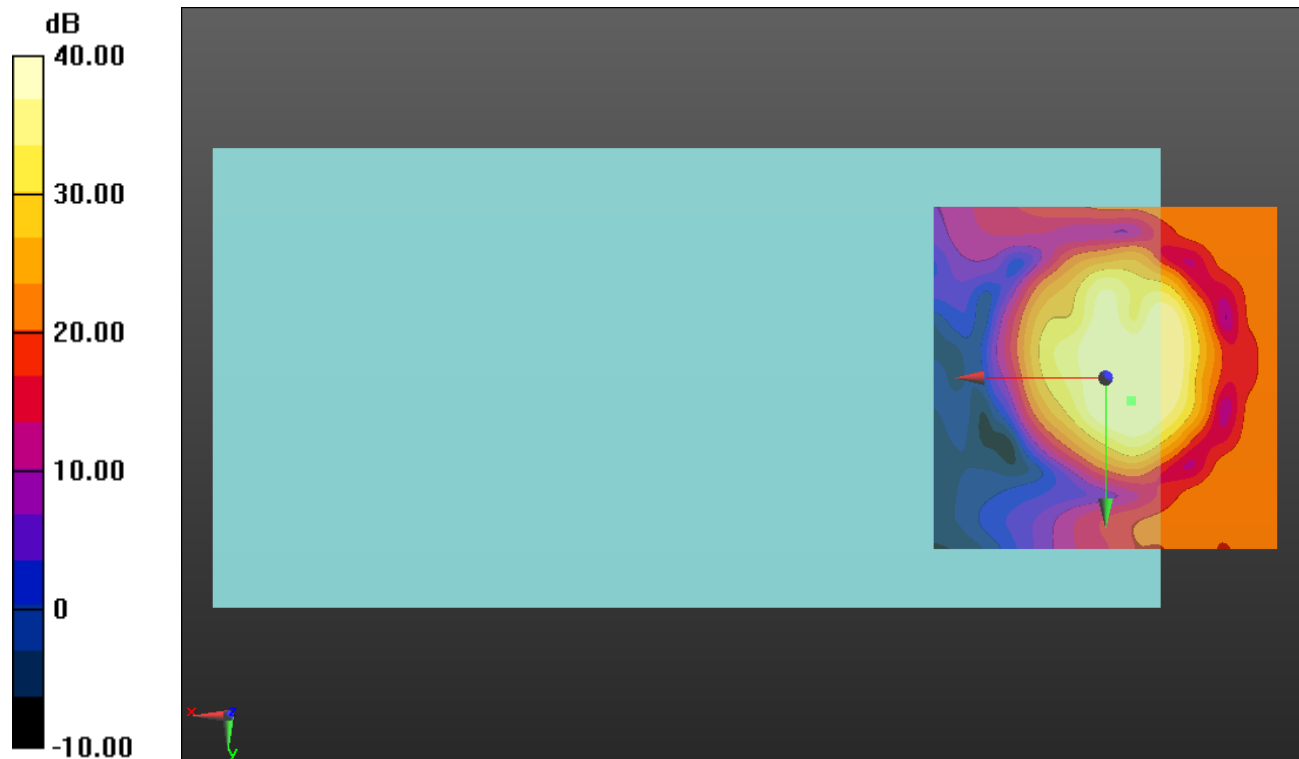
Cursor:

ABM1/ABM2 = 43.97 dB

ABM1 comp = -2.99 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

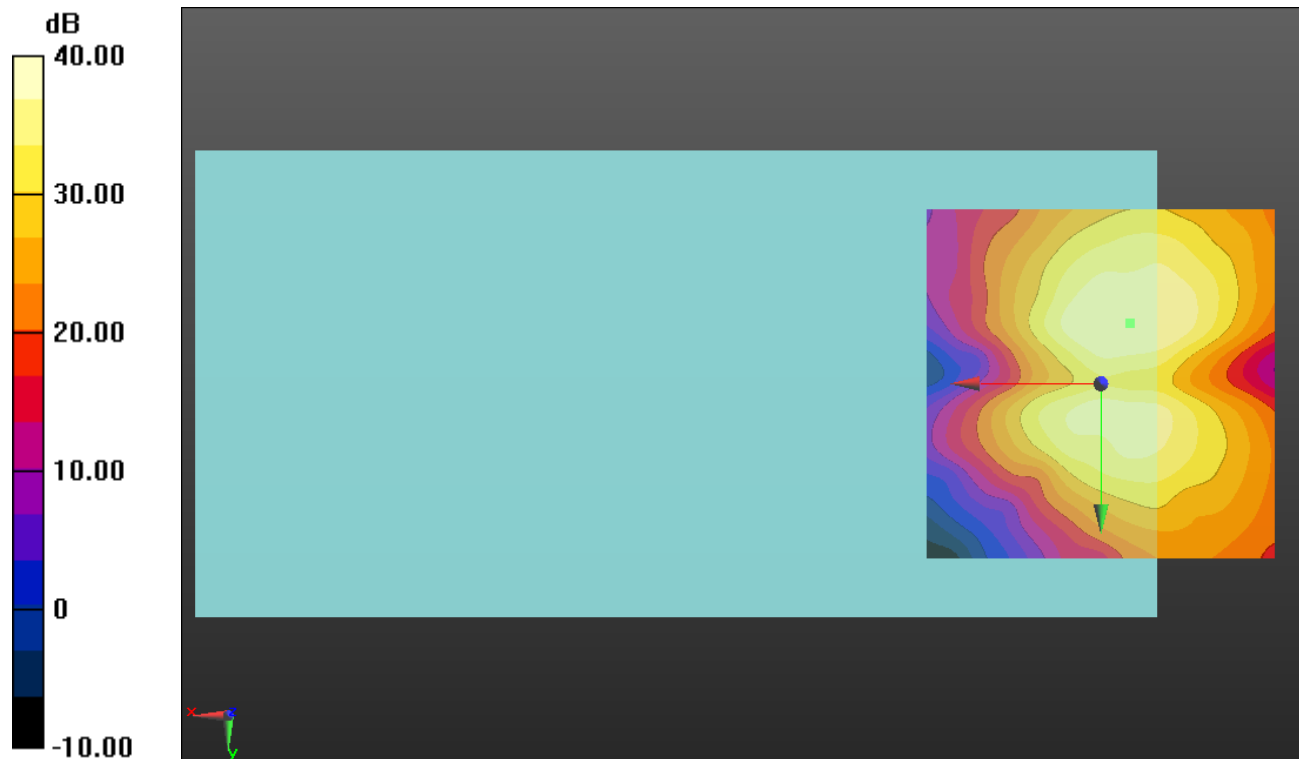
Cursor:

ABM1/ABM2 = 43.07 dB

ABM1 comp = -6.65 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5 Wideband

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)/UAT_General Scans ch 20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

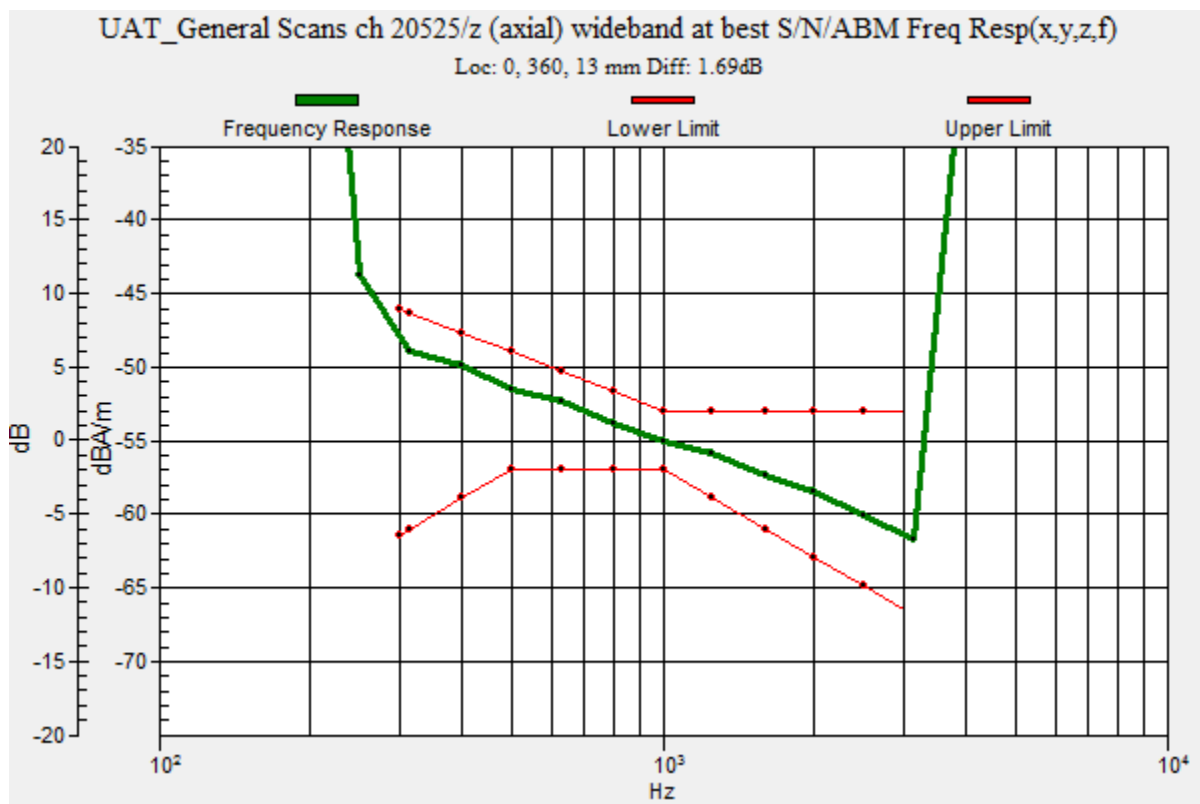
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.69 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 5 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

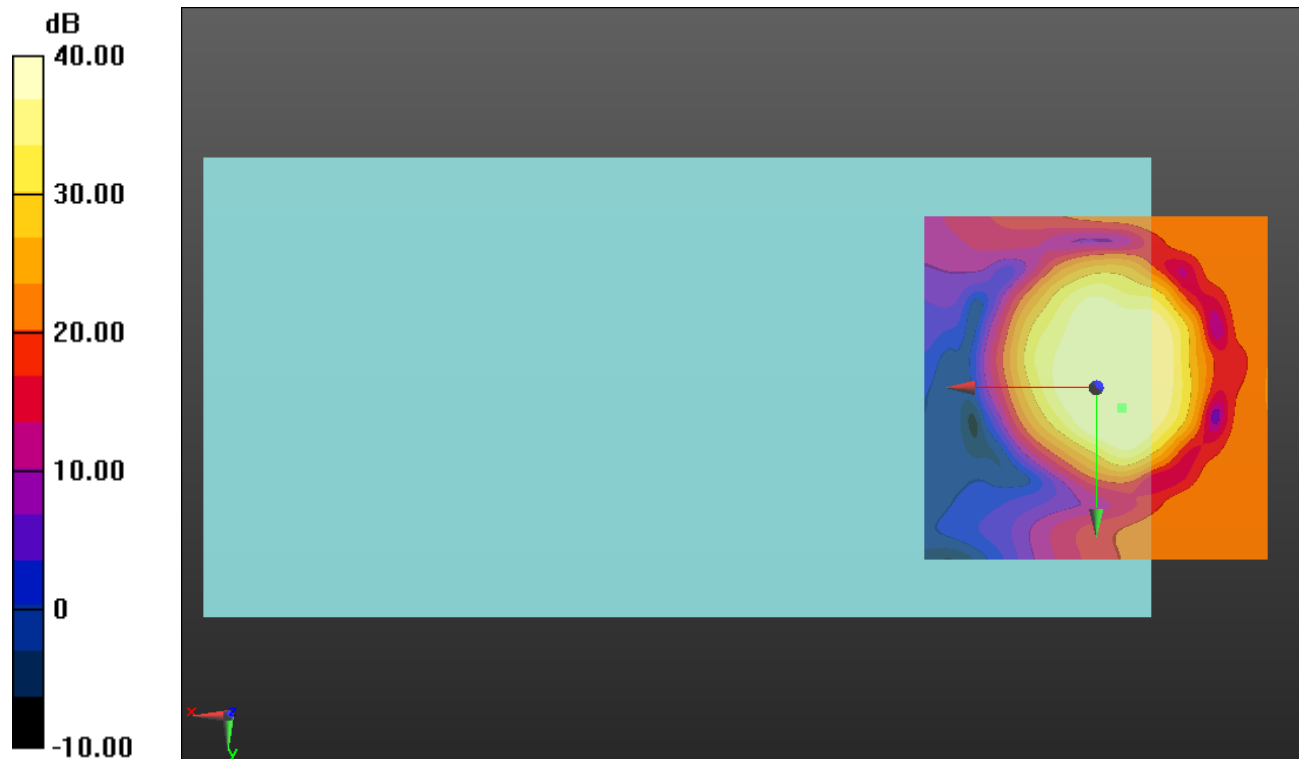
Cursor:

ABM1/ABM2 = 45.95 dB

ABM1 comp = -2.65 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

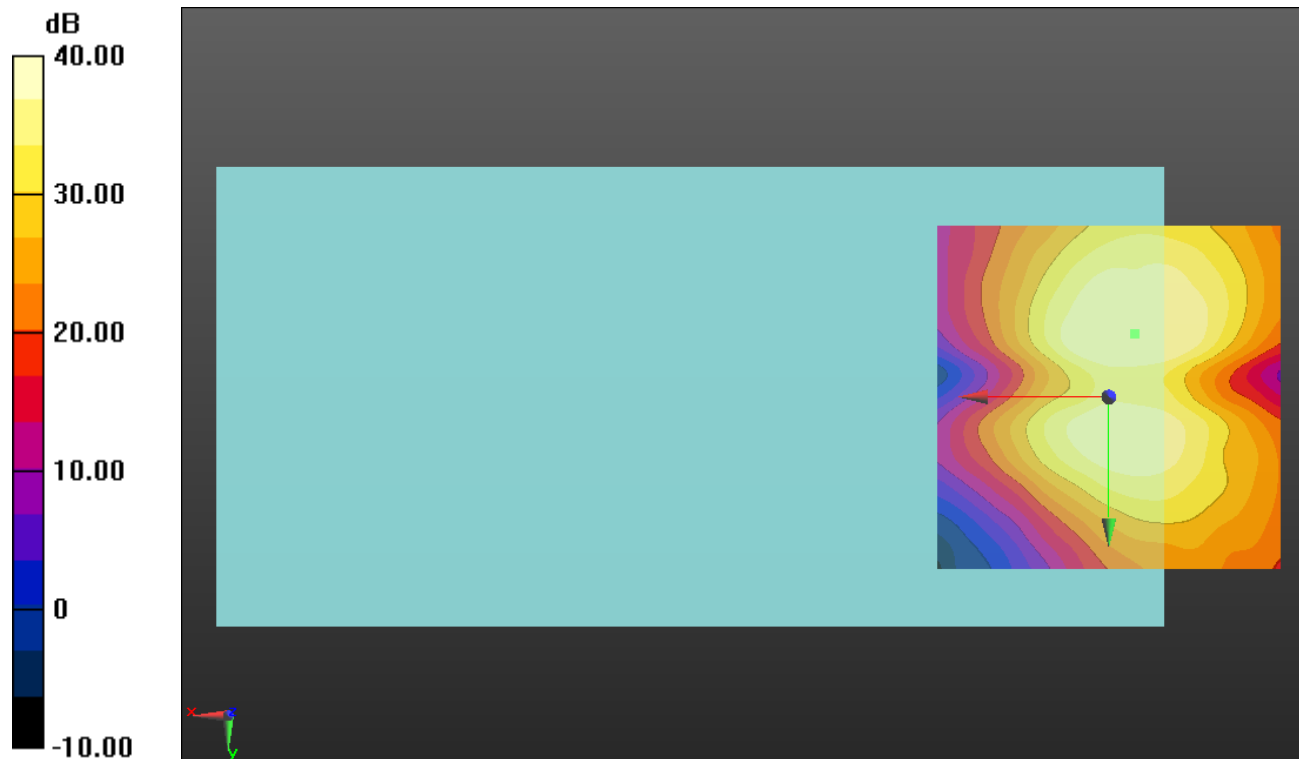
Cursor:

ABM1/ABM2 = 44.47 dB

ABM1 comp = -6.42 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

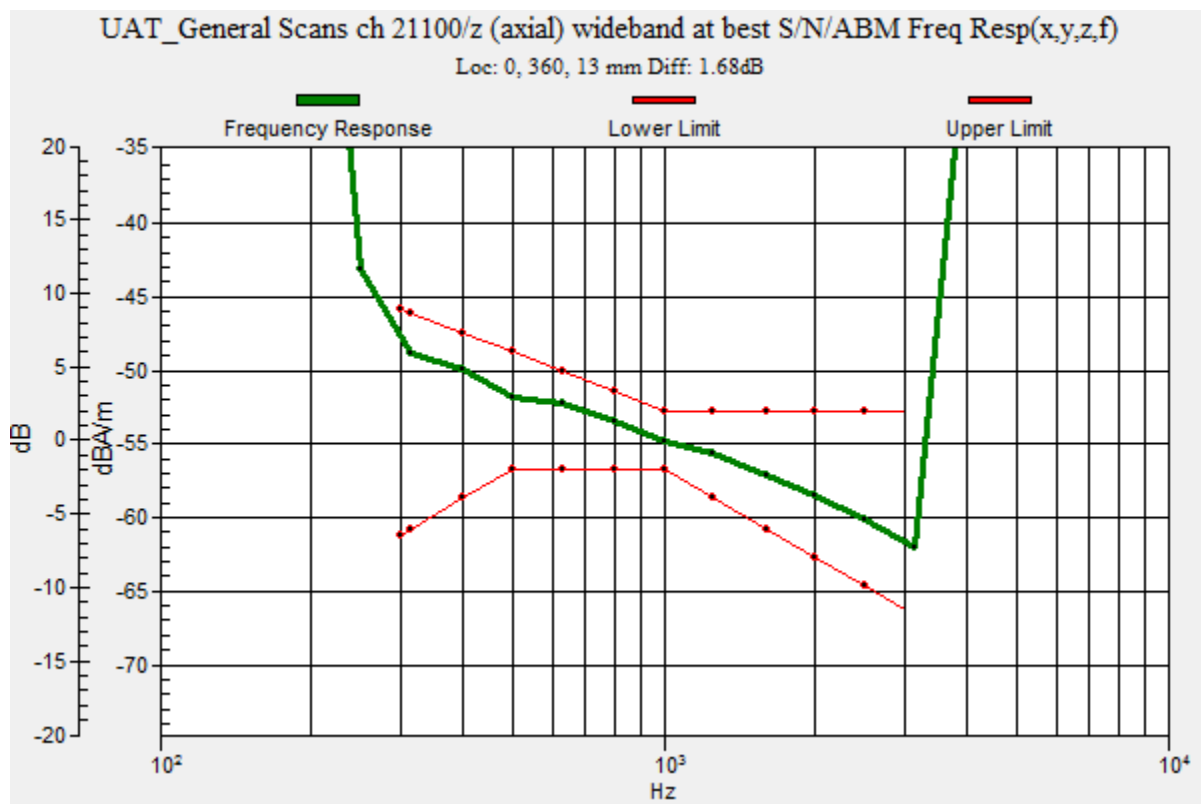
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.68 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 7 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

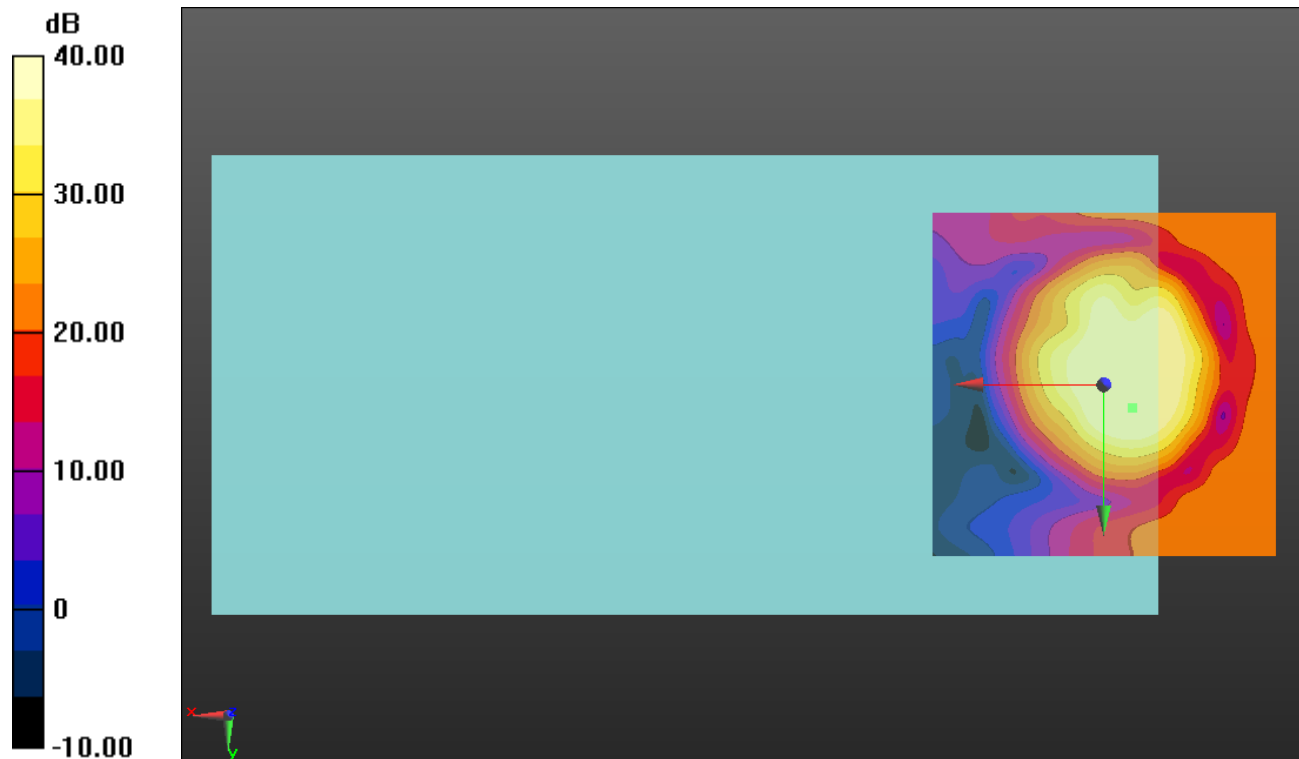
Cursor:

ABM1/ABM2 = 45.19 dB

ABM1 comp = -3.05 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

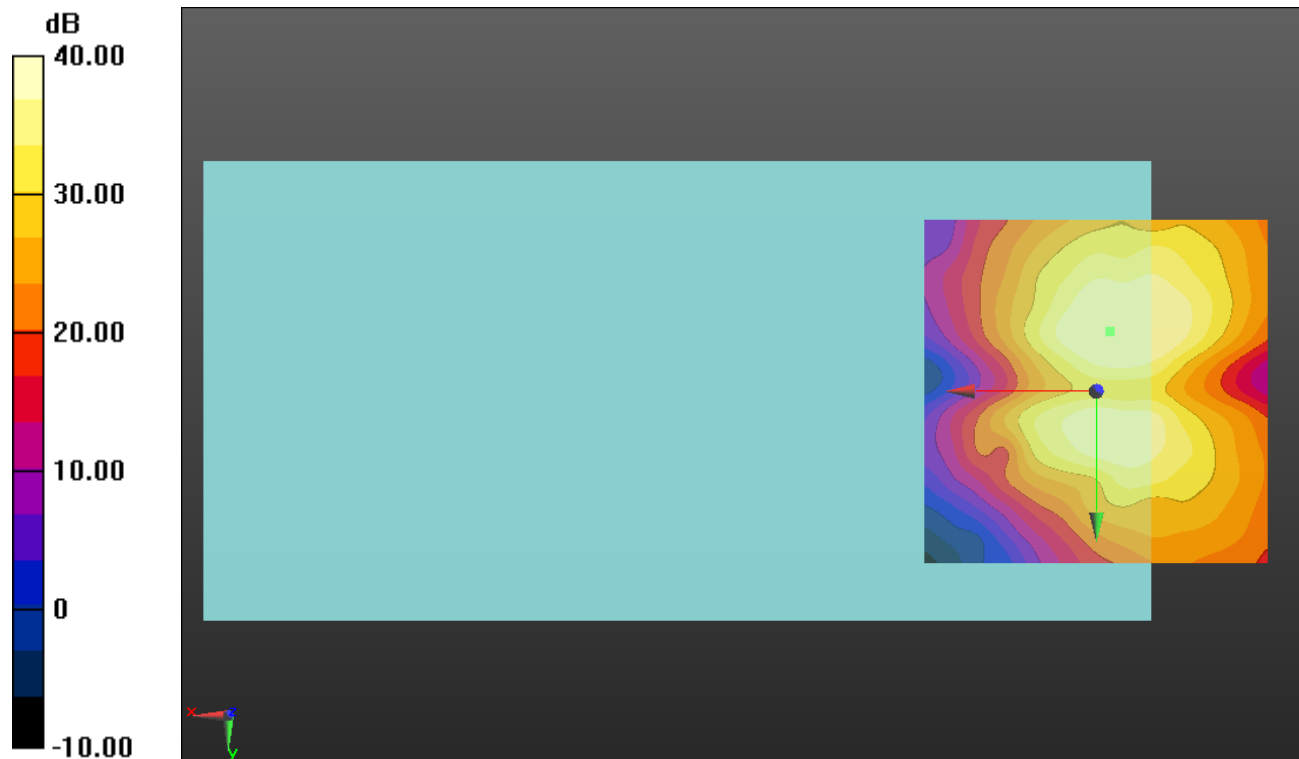
Cursor:

ABM1/ABM2 = 42.54 dB

ABM1 comp = -5.88 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12 Wideband

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)/UAT_General Scans ch 23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

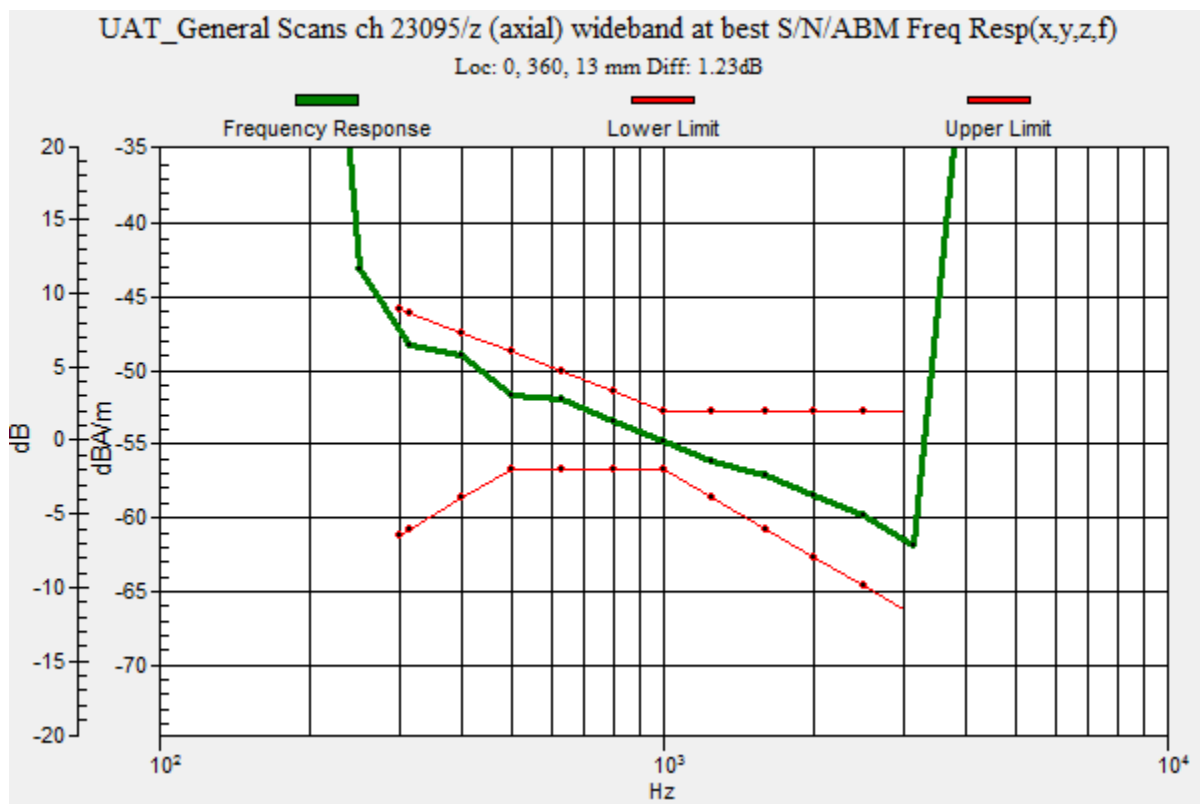
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.23 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 12 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

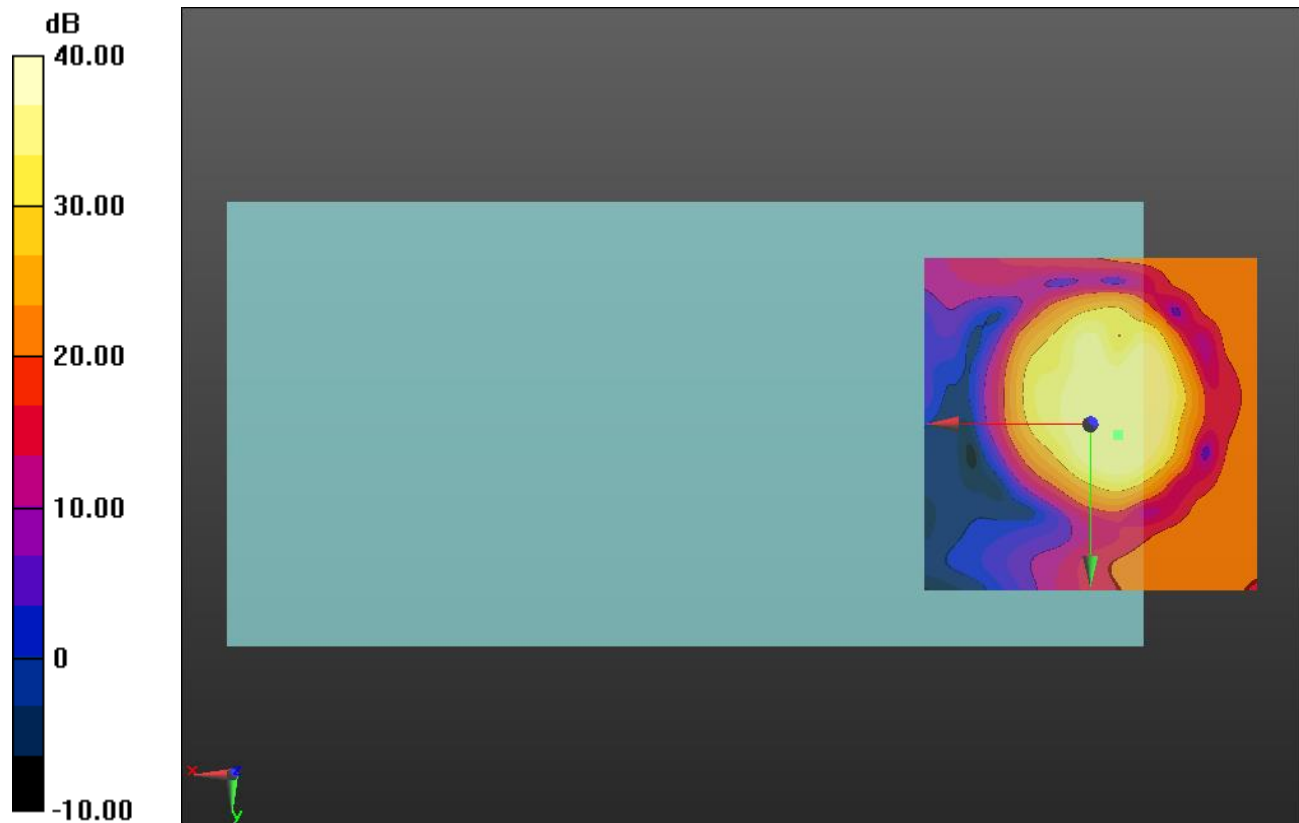
Cursor:

ABM1/ABM2 = 44.28 dB

ABM1 comp = -2.56 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 1.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

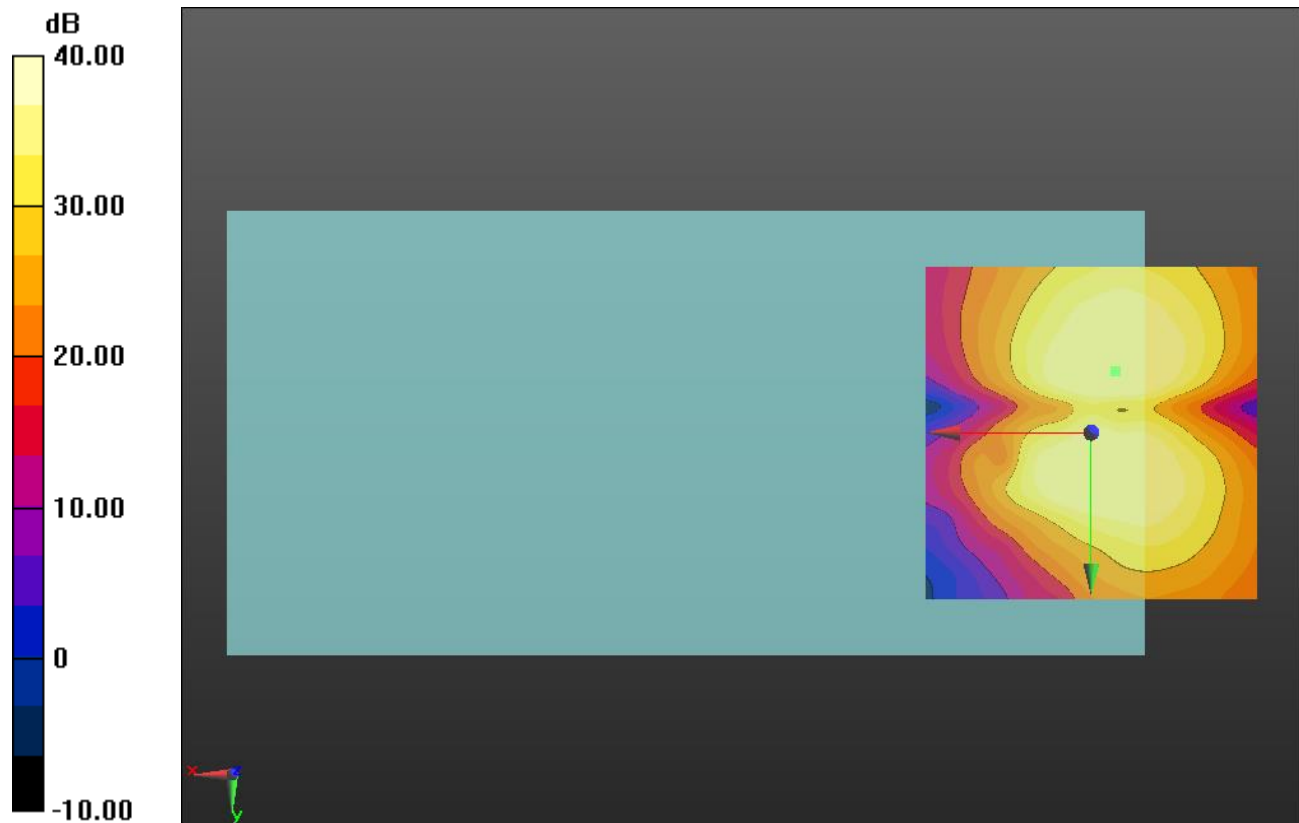
Cursor:

ABM1/ABM2 = 44.31 dB

ABM1 comp = -6.83 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

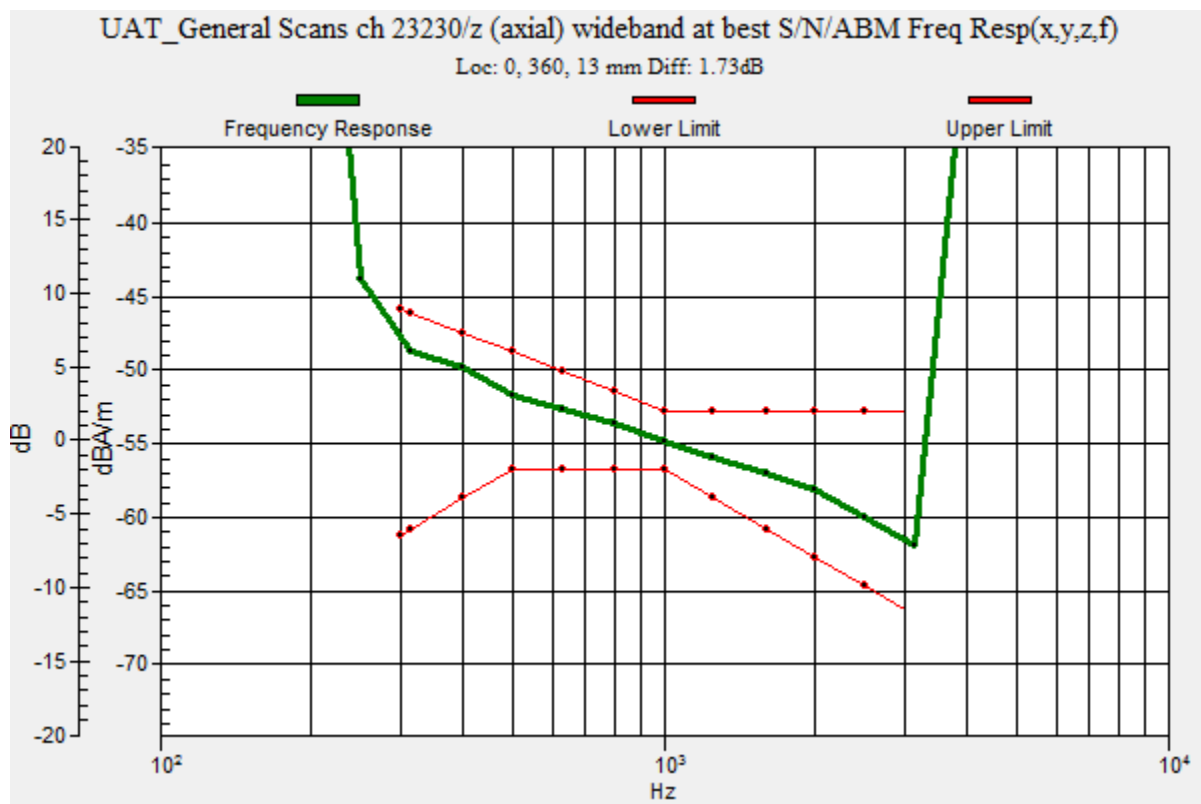
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.73 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 13 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

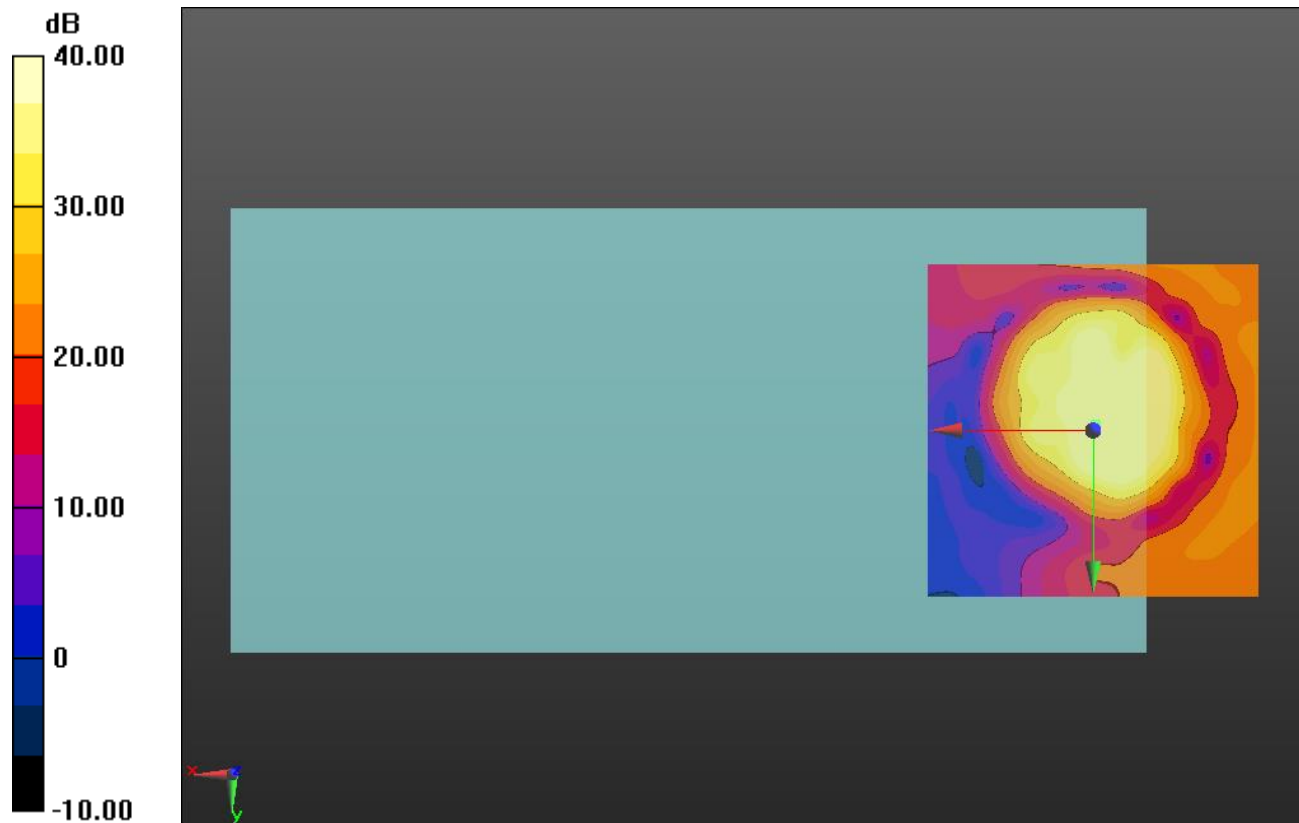
Cursor:

ABM1/ABM2 = 45.51 dB

ABM1 comp = 1.77 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

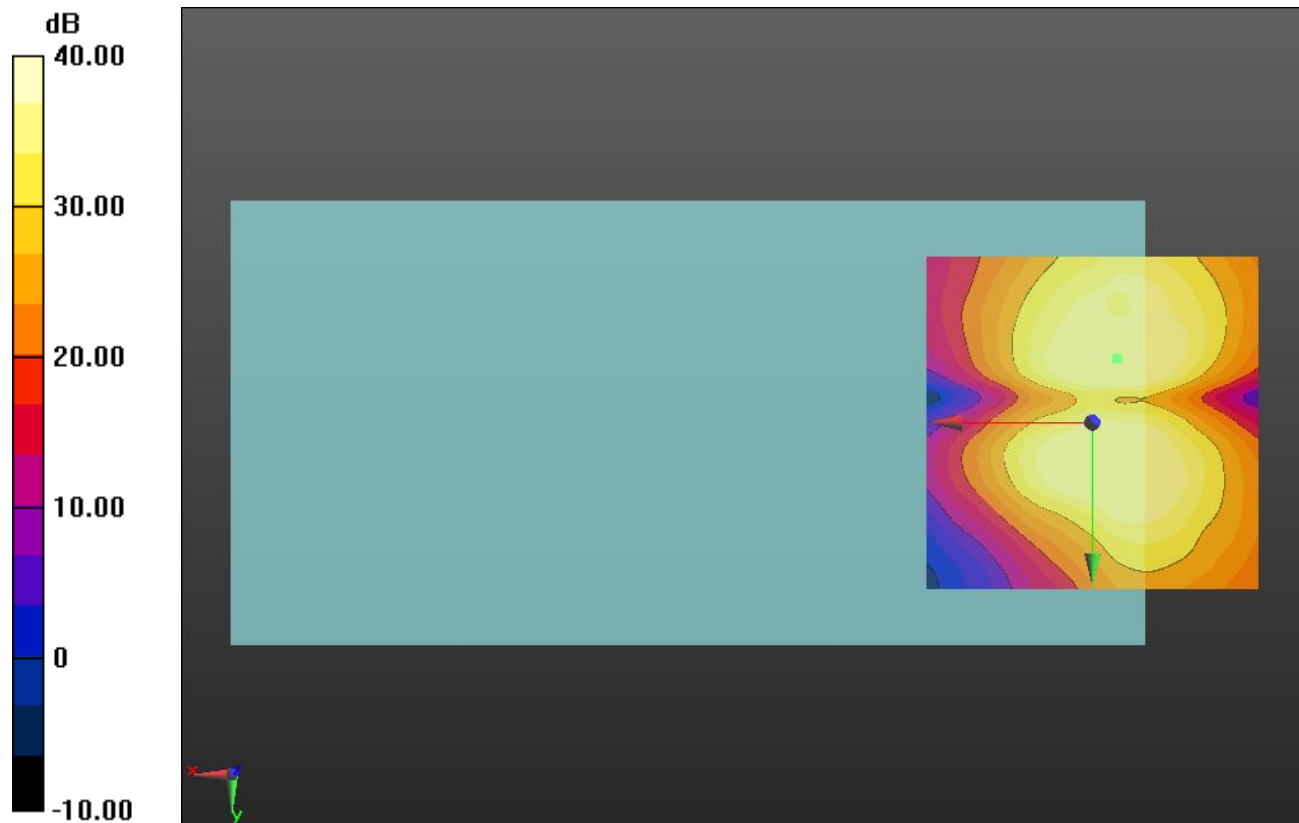
Cursor:

ABM1/ABM2 = 44.78 dB

ABM1 comp = -6.68 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 17 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23790/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

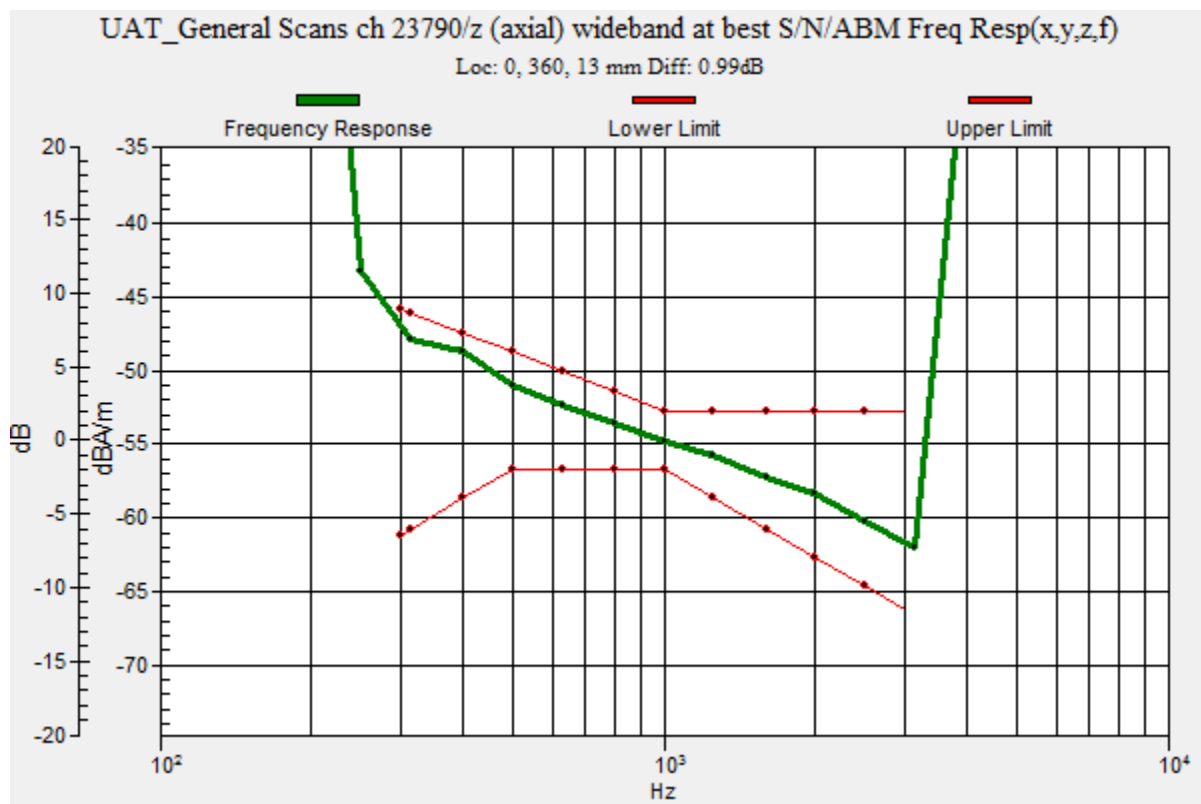
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.99 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 17 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

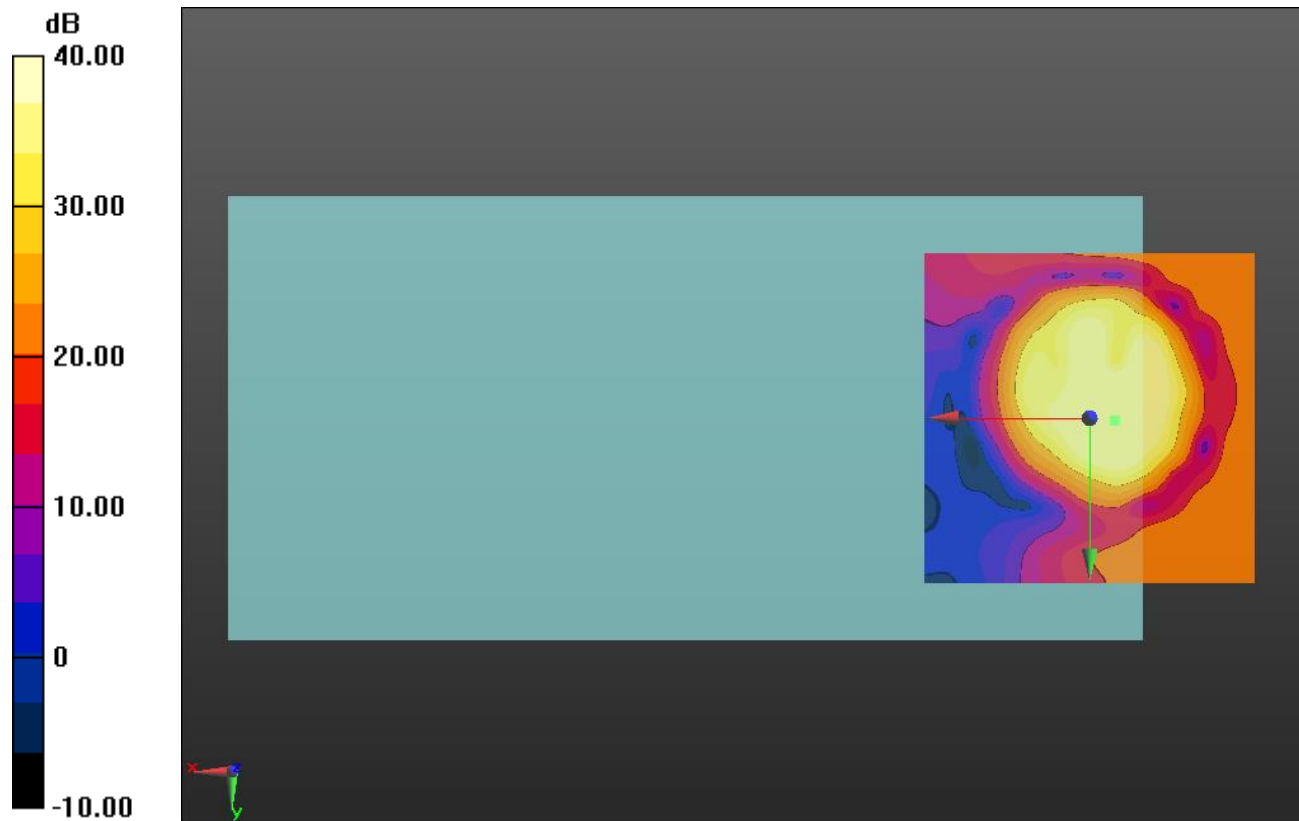
Cursor:

ABM1/ABM2 = 46.65 dB

ABM1 comp = -0.90 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 17 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

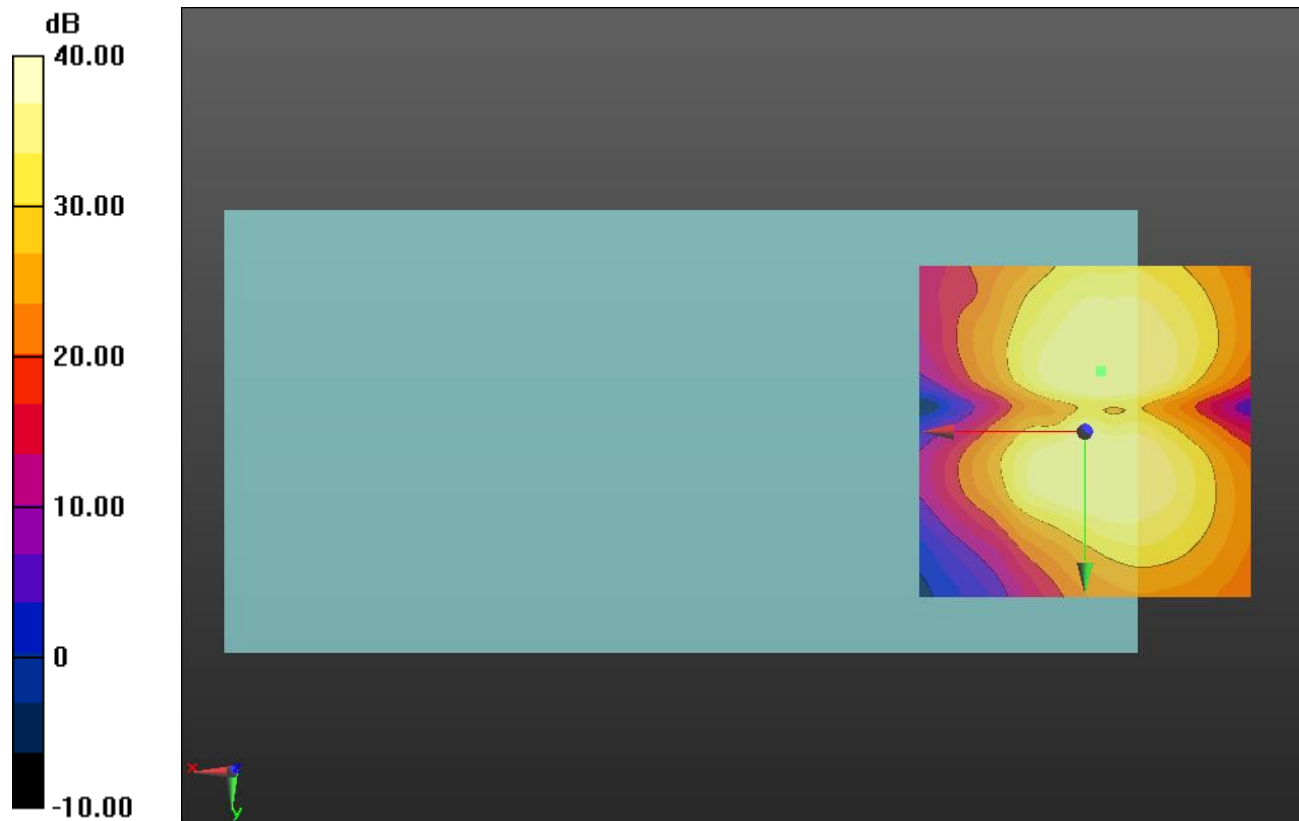
Cursor:

ABM1/ABM2 = 43.98 dB

ABM1 comp = -6.08 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26365/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

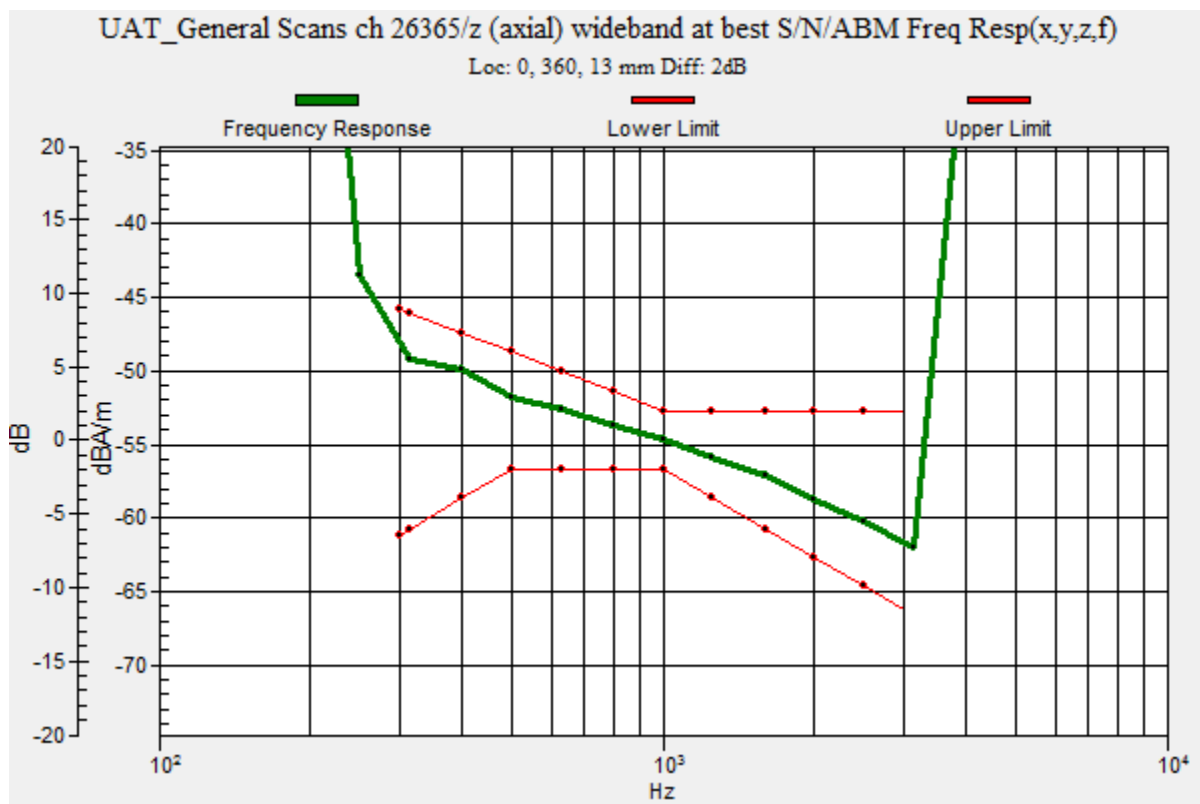
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 25 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

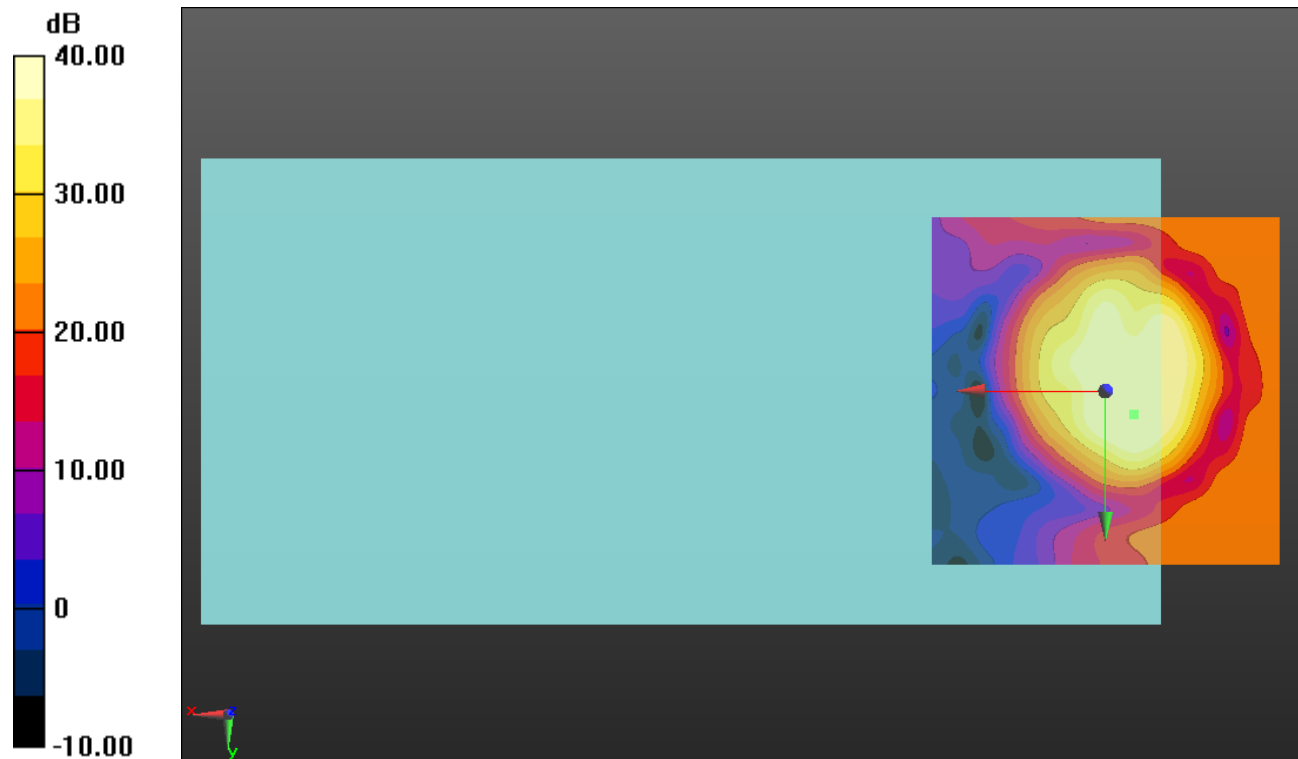
Cursor:

ABM1/ABM2 = 45.31 dB

ABM1 comp = -3.20 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

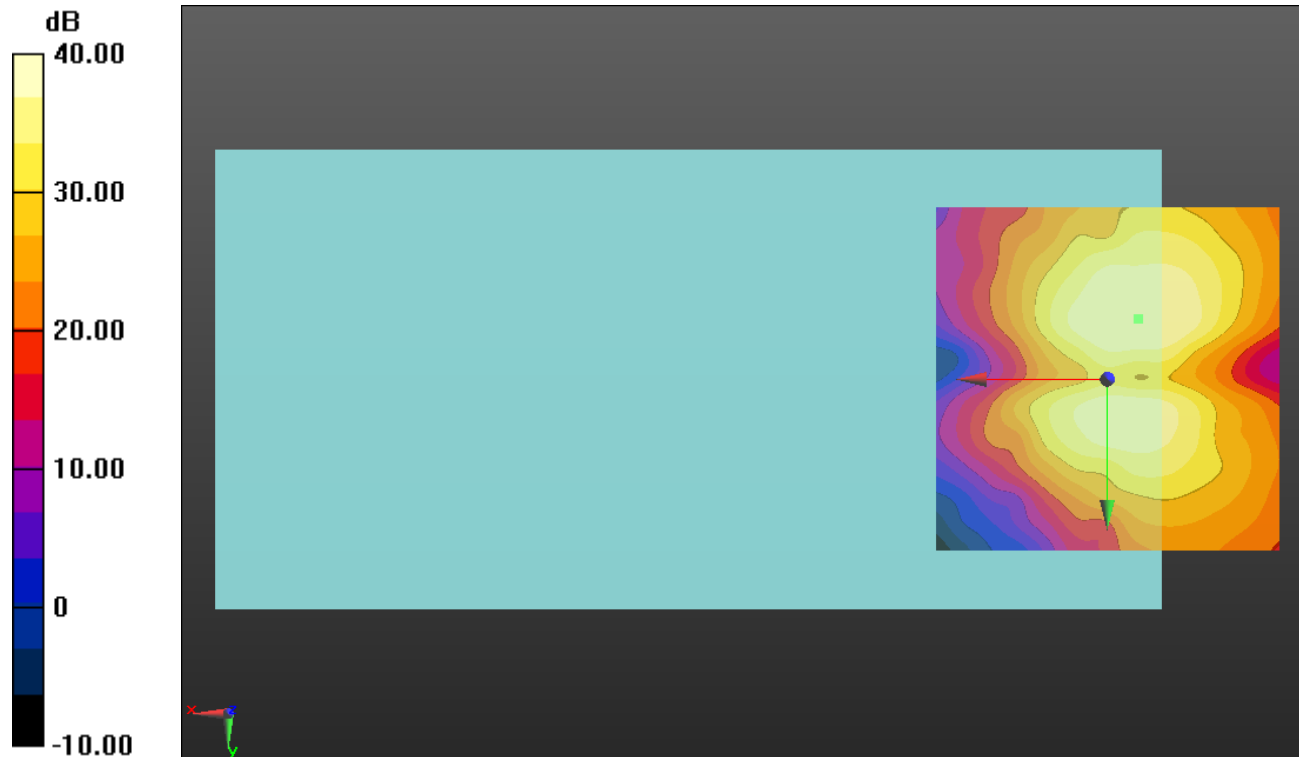
Cursor:

ABM1/ABM2 = 42.69 dB

ABM1 comp = -6.98 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

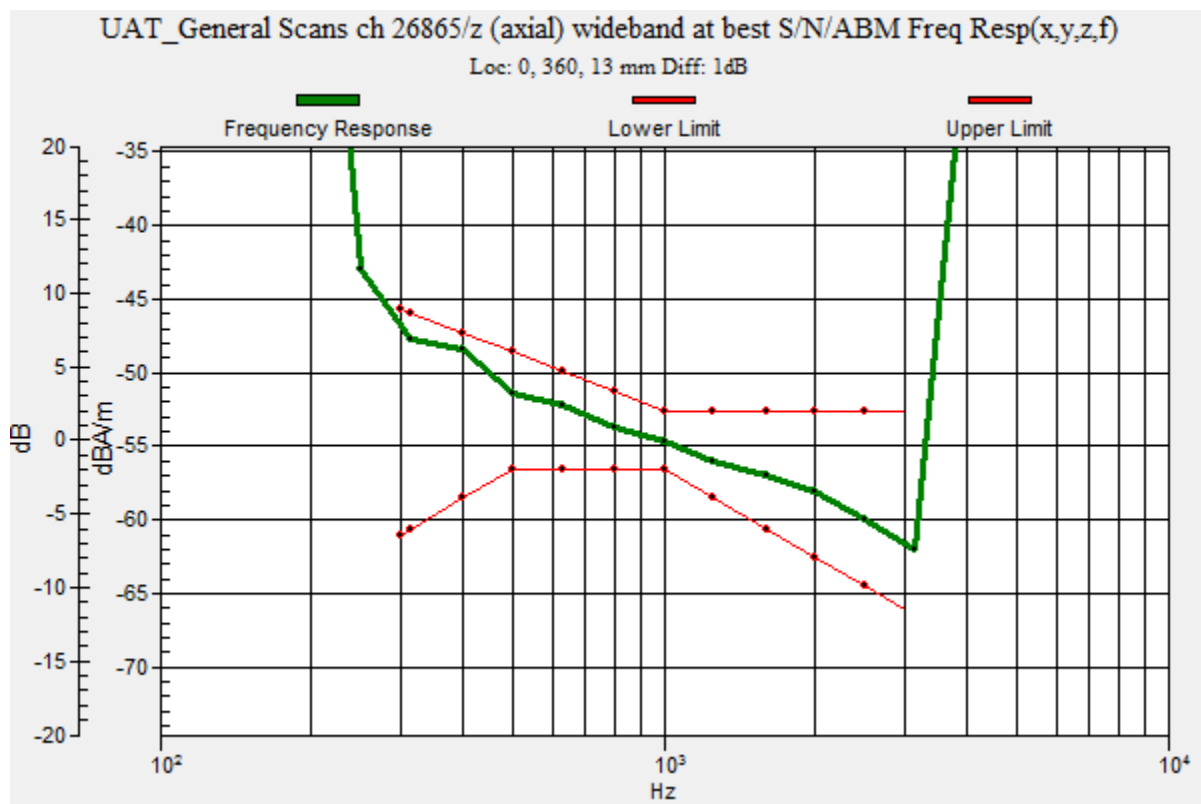
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.00 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 26 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

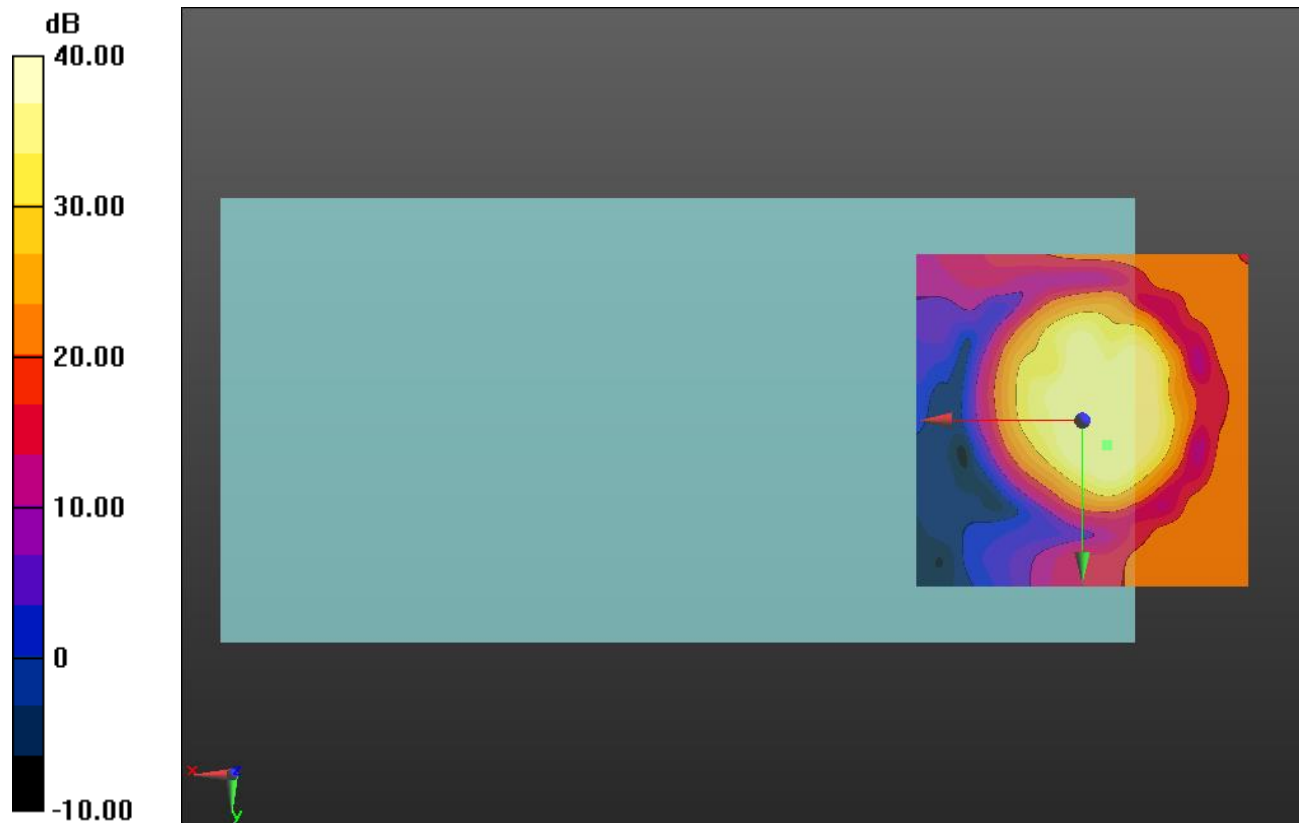
Cursor:

ABM1/ABM2 = 45.79 dB

ABM1 comp = -3.16 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 3.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

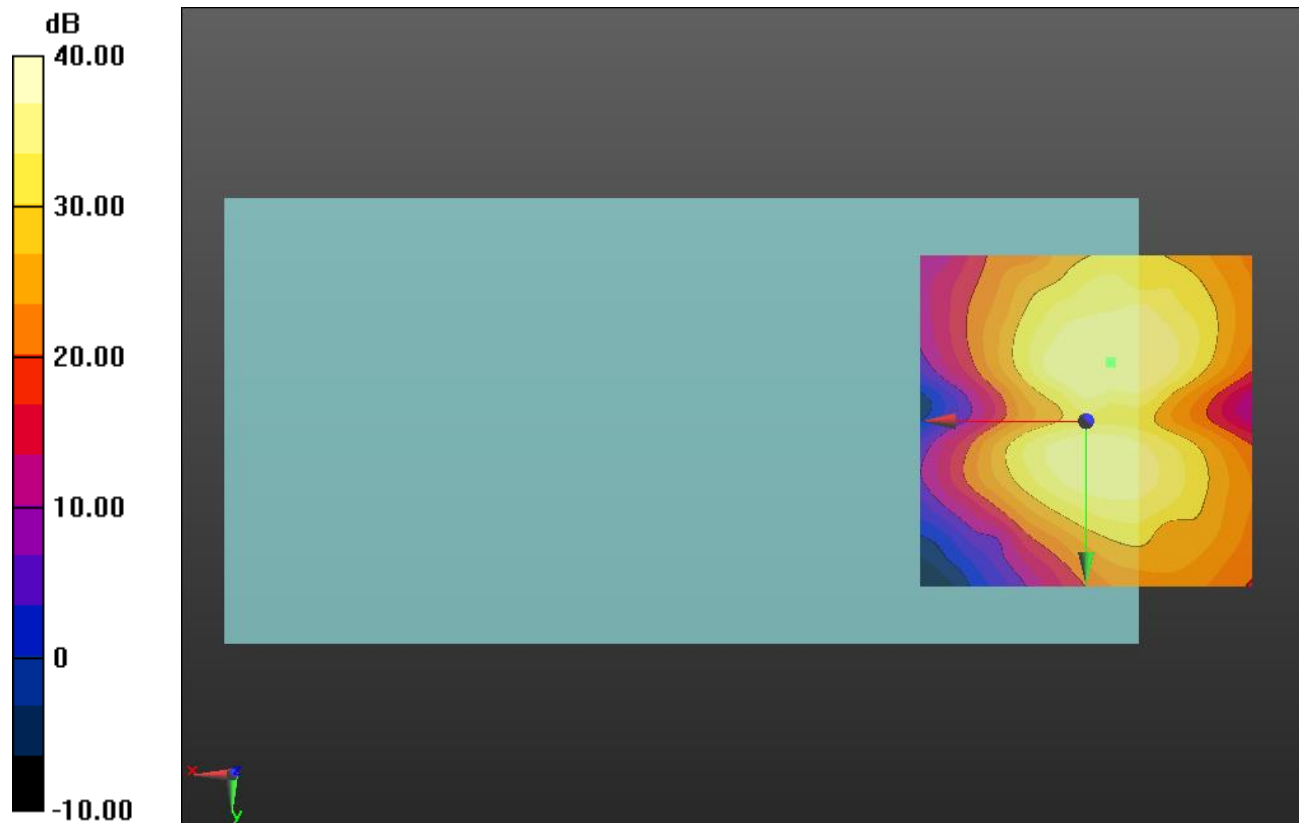
Cursor:

ABM1/ABM2 = 43.43 dB

ABM1 comp = -6.36 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27125/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

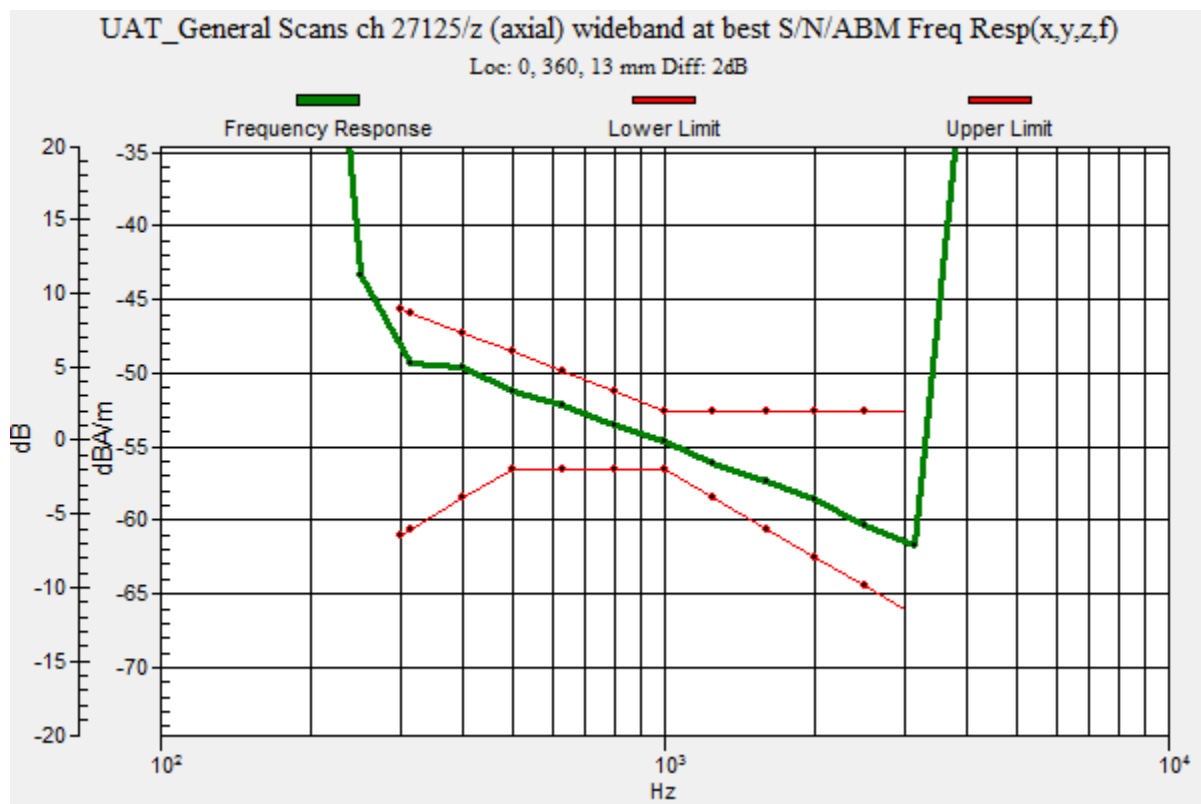
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 27 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

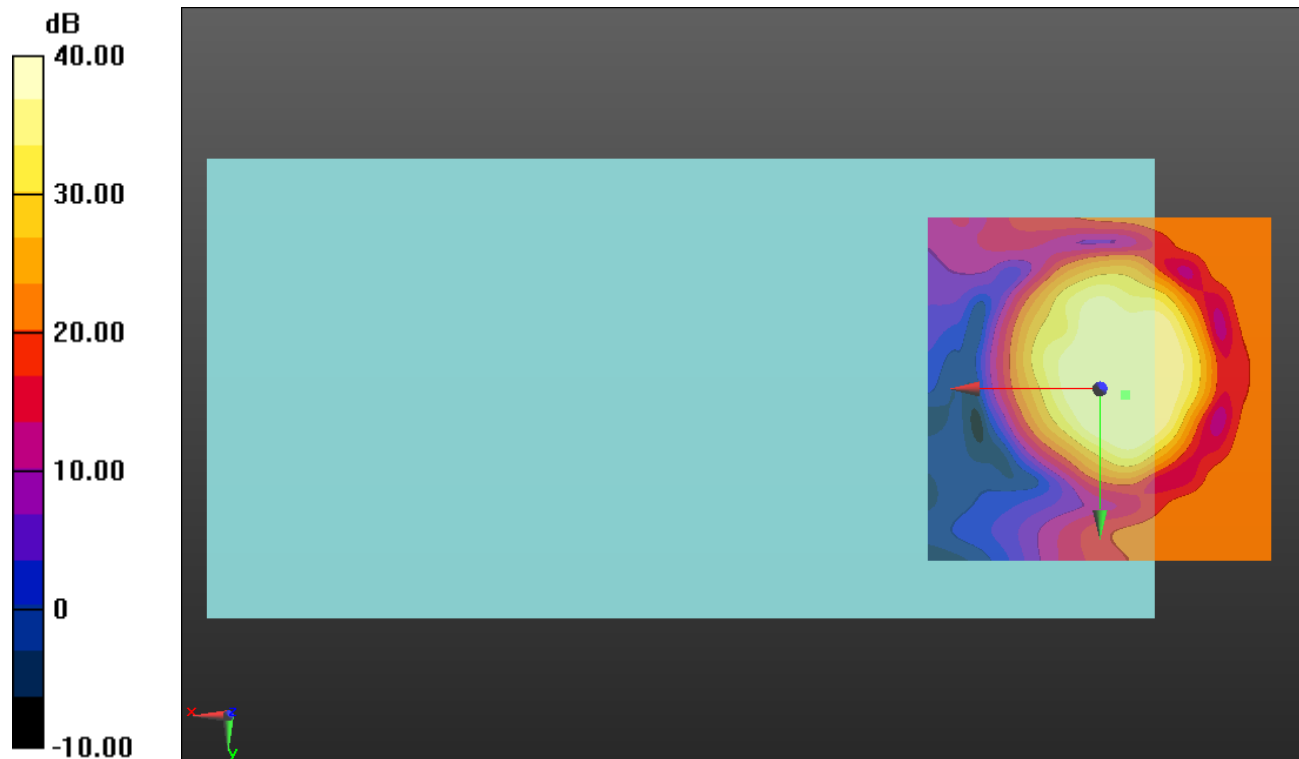
Cursor:

ABM1/ABM2 = 46.53 dB

ABM1 comp = -0.60 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

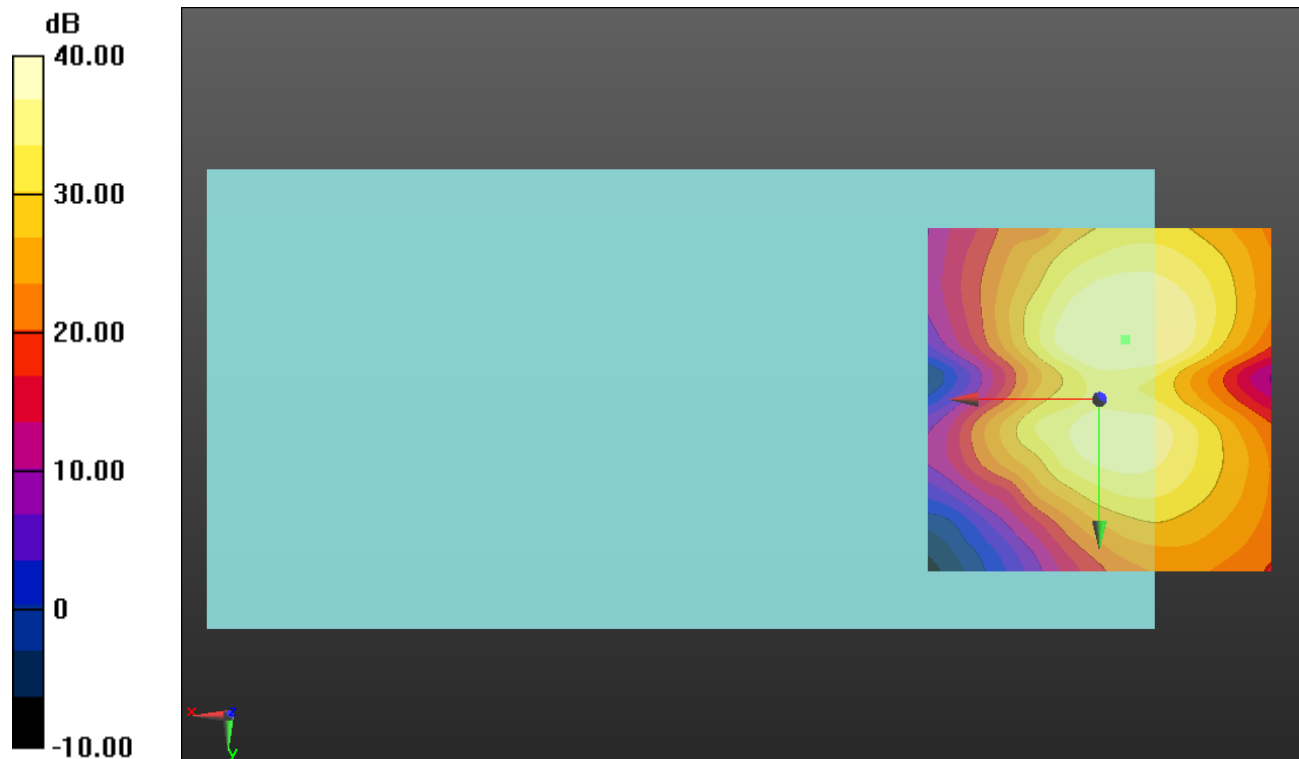
Cursor:

ABM1/ABM2 = 43.92 dB

ABM1 comp = -6.41 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

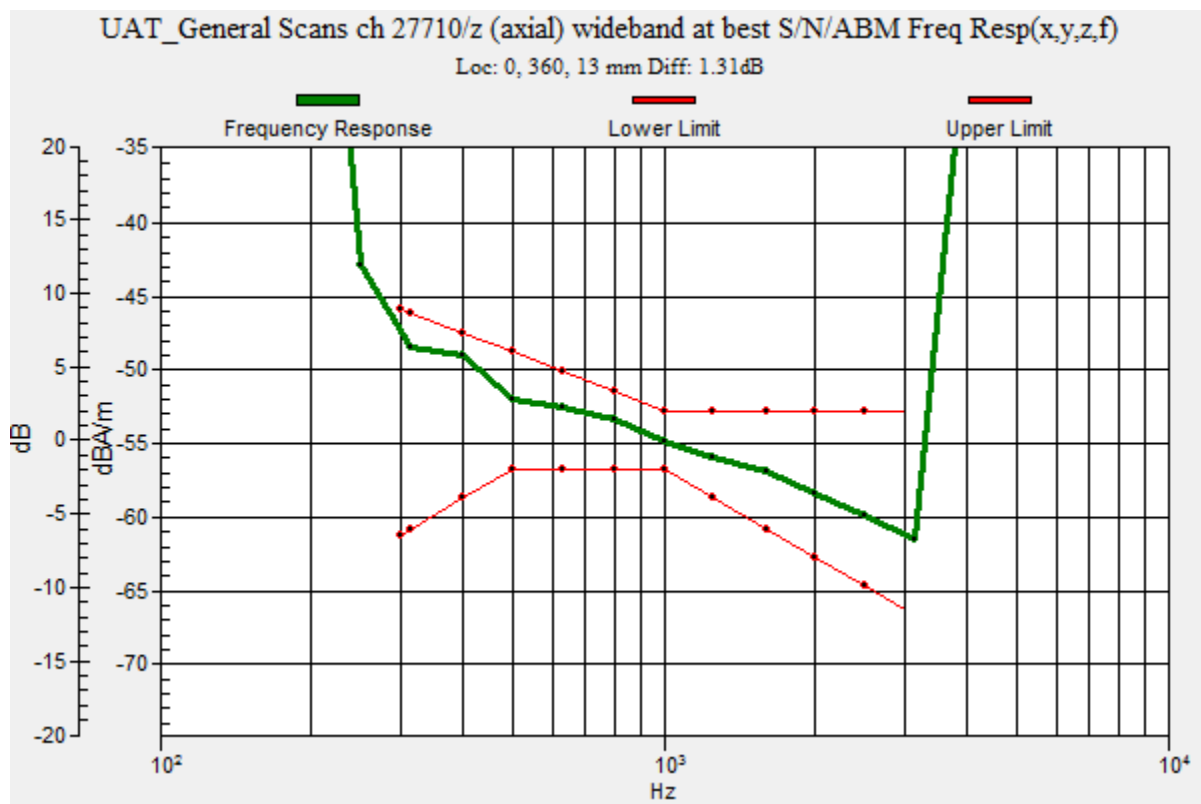
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.31 dB

BWC Factor = 10.81 dB

Location: 0, 360, 13 mm



LTE Band 30 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

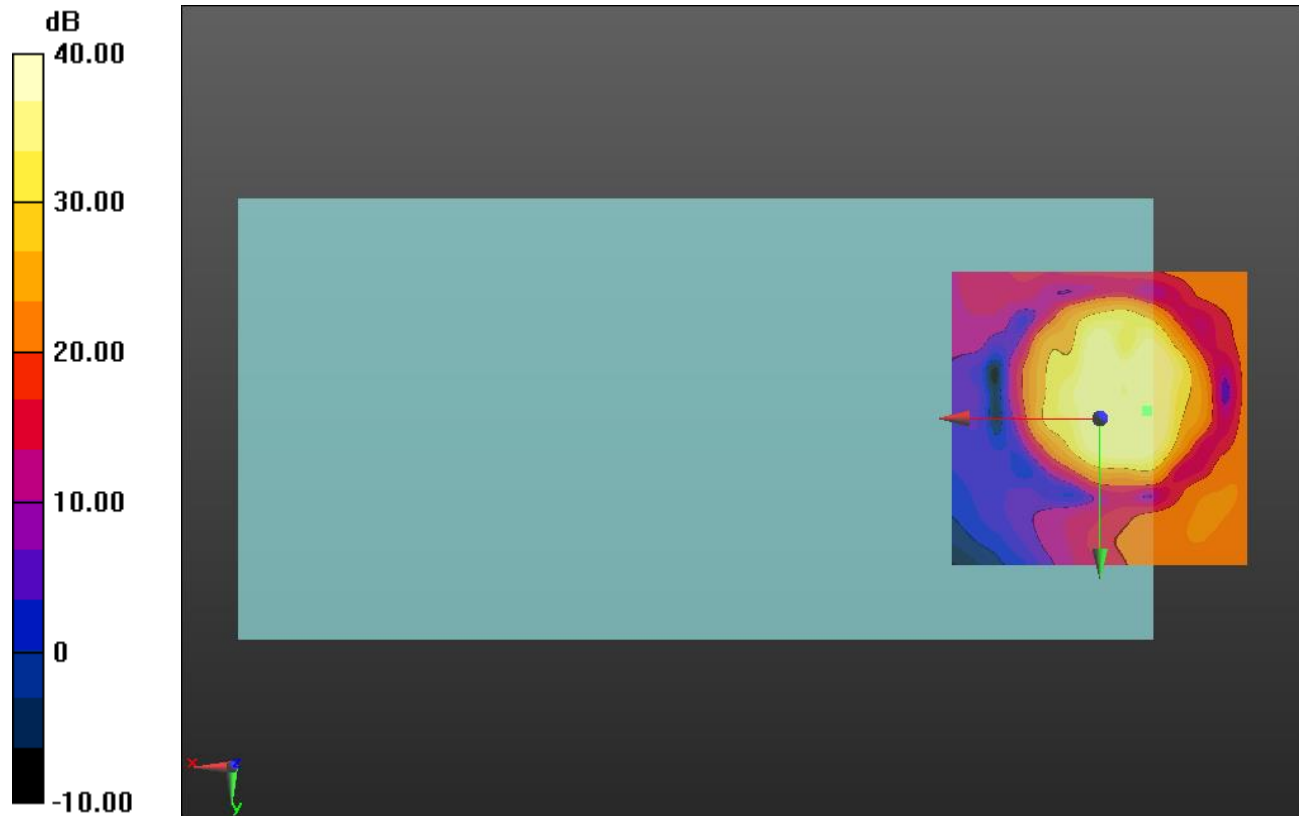
Cursor:

ABM1/ABM2 = 44.96 dB

ABM1 comp = -4.46 dBA/m

BWC Factor = 0.16 dB

Location: -7.9, -1.3, 3.7 mm



LTE Band 30 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

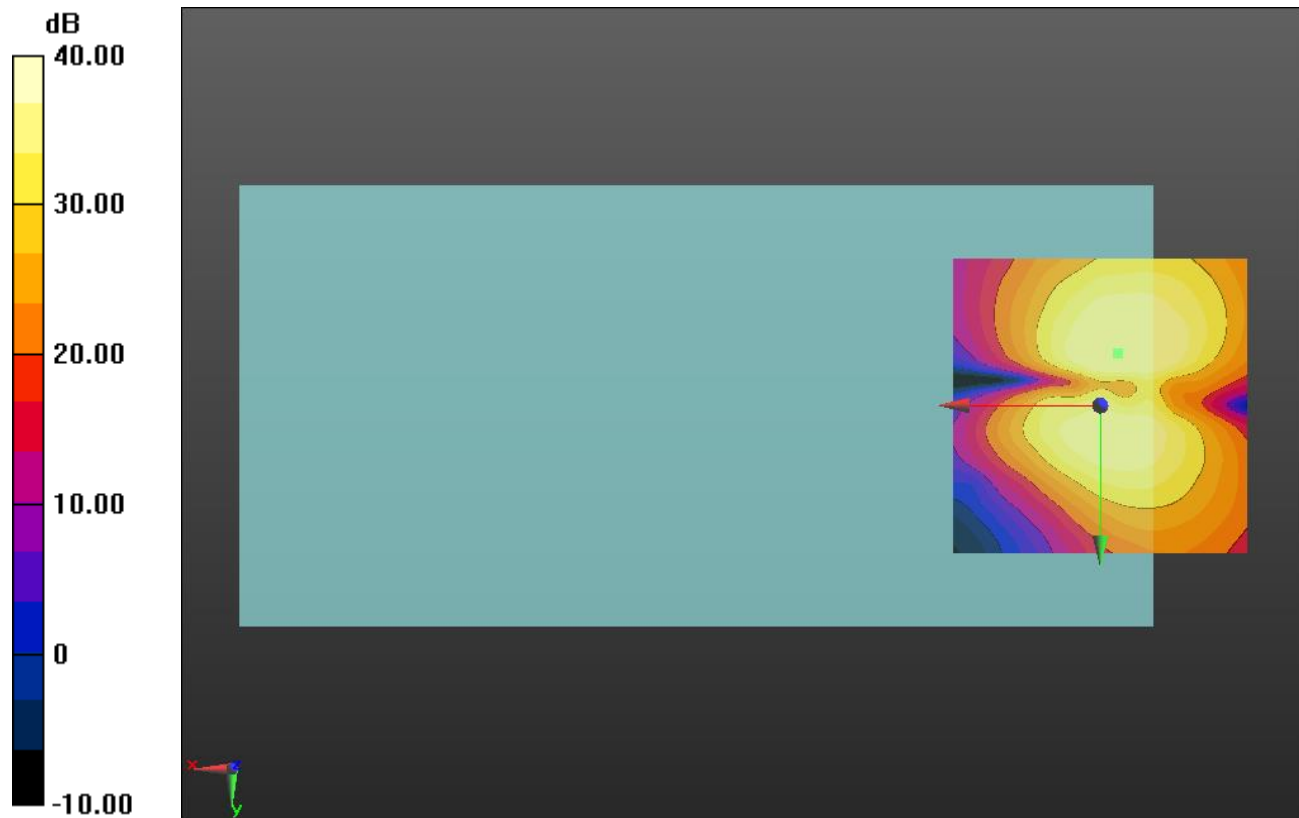
Cursor:

ABM1/ABM2 = 43.48 dB

ABM1 comp = -6.65 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Wideband

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)/UAT_General Scans ch 40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

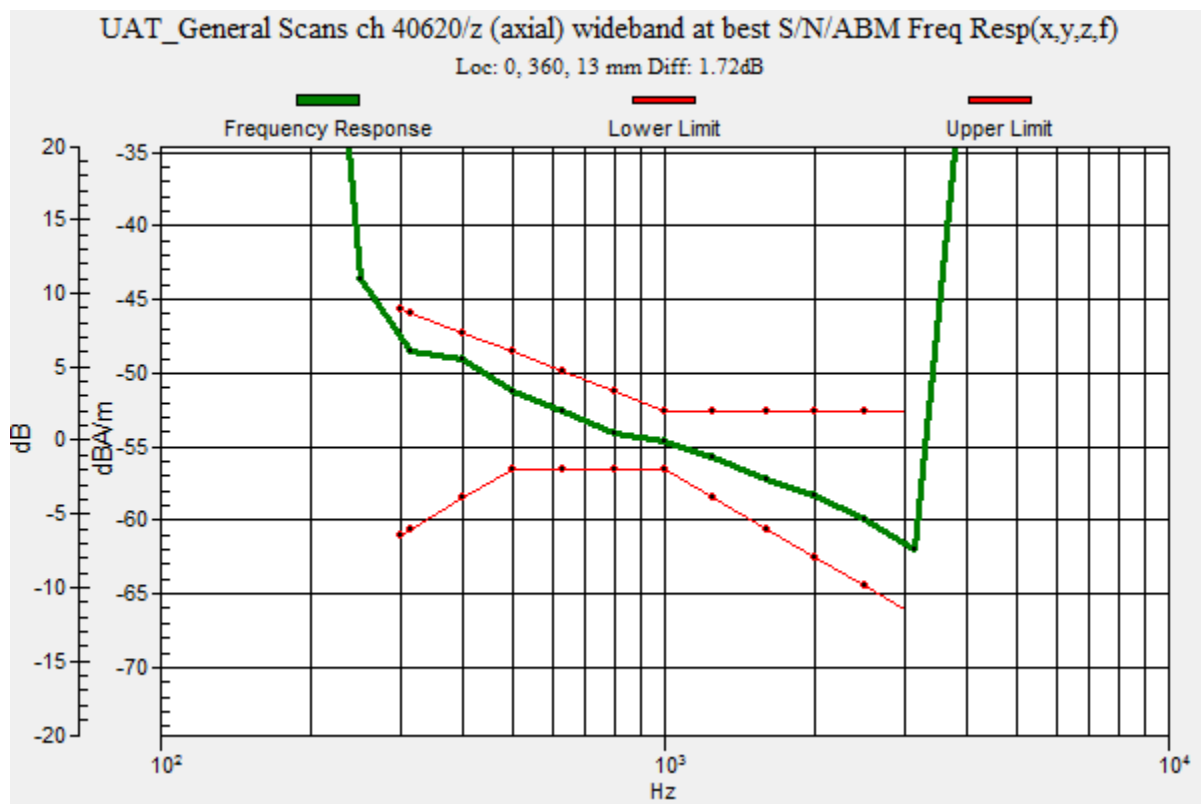
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.72 dB

BWC Factor = 10.81 dB

Location: 0, 360, 13 mm



LTE Band 41 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

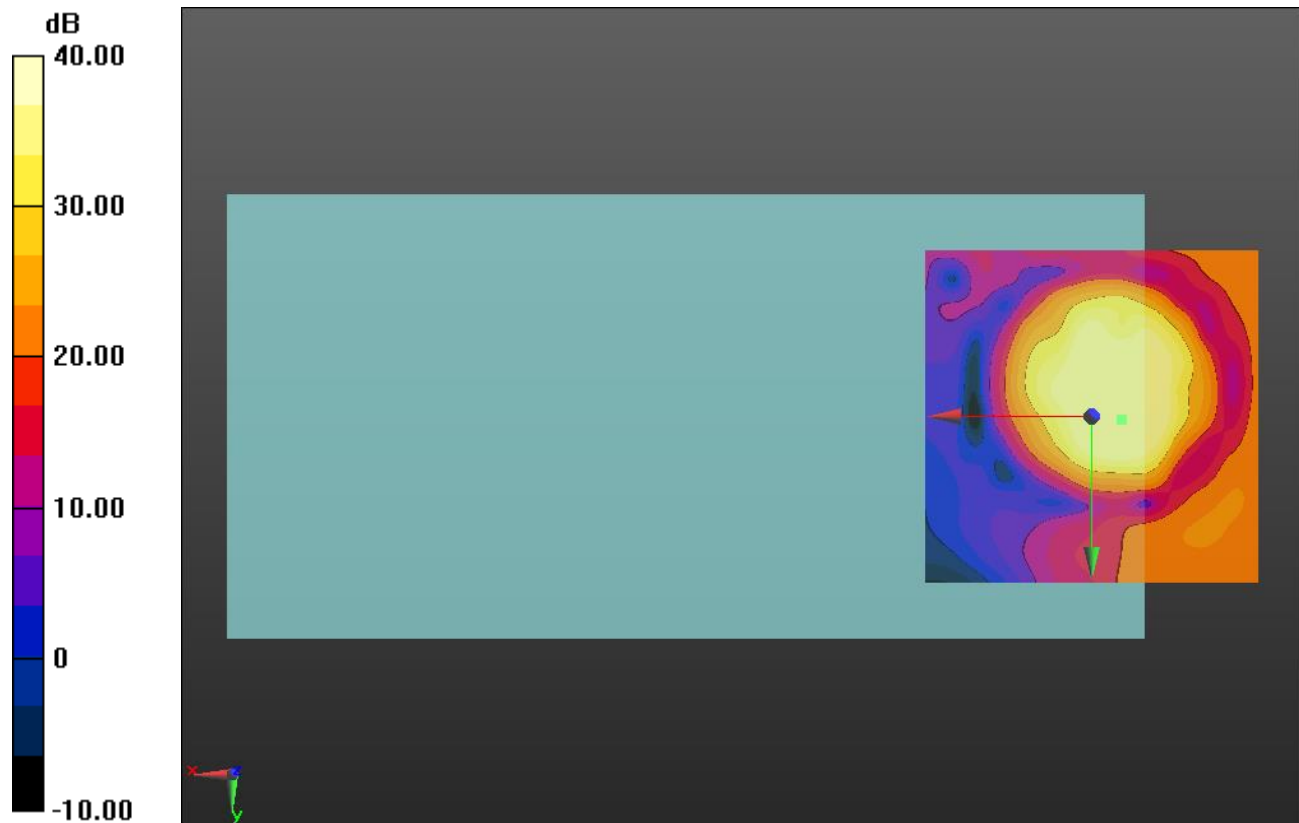
Cursor:

ABM1/ABM2 = 45.46 dB

ABM1 comp = -1.26 dBA/m

BWC Factor = 0.17 dB

Location: -4.6, 0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

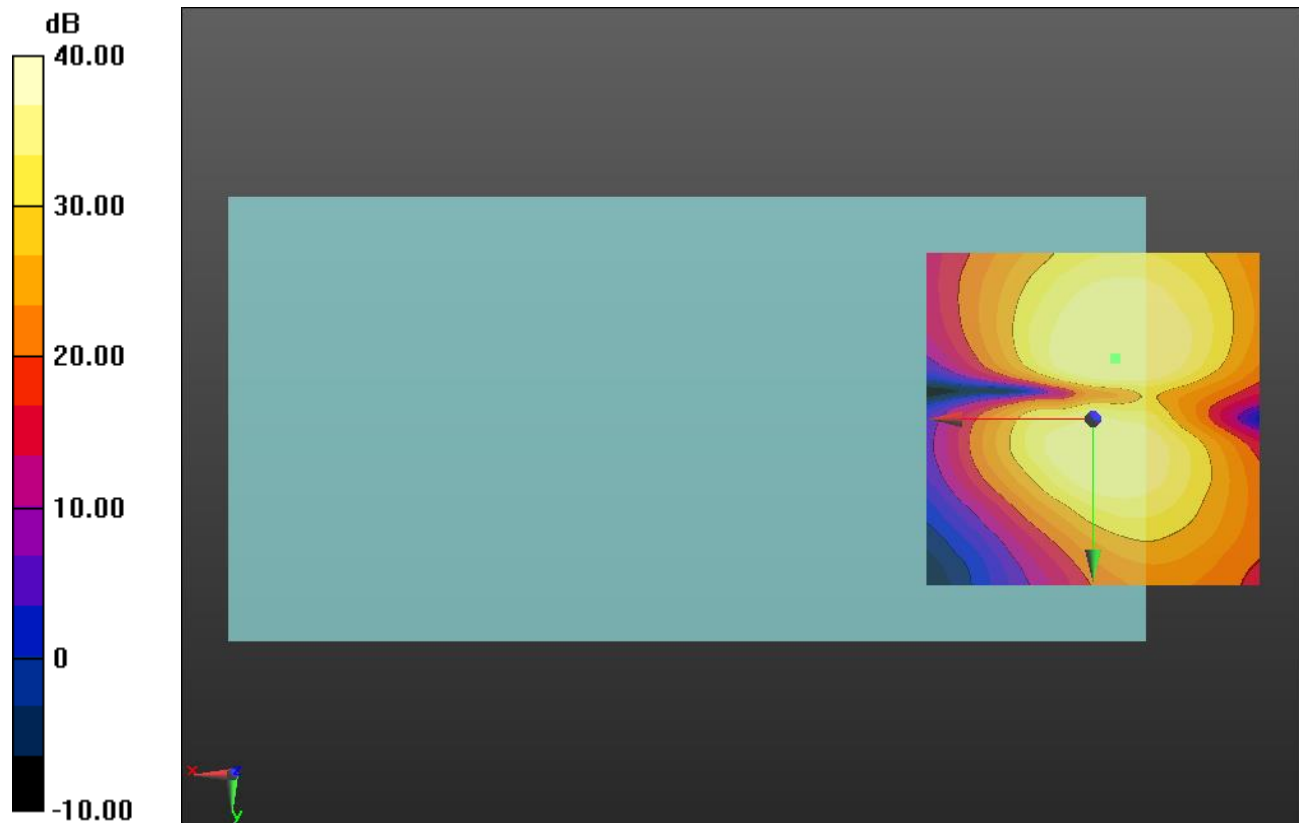
Cursor:

ABM1/ABM2 = 43.62 dB

ABM1 comp = -7.07 dBA/m

BWC Factor = 0.17 dB

Location: -3.3, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM850

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 190/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

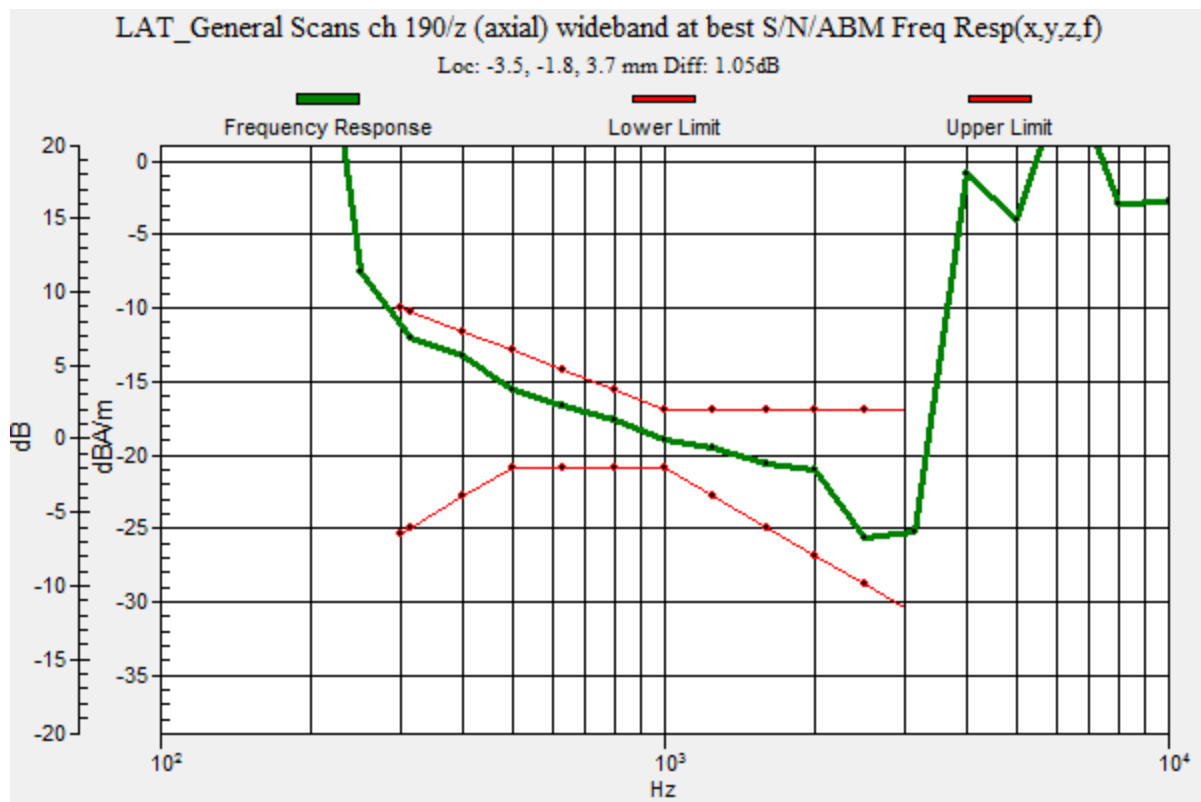
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.05 dB

BWC Factor = 10.80 dB

Location: -3.5, -1.8, 3.7 mm



GSM850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 190/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

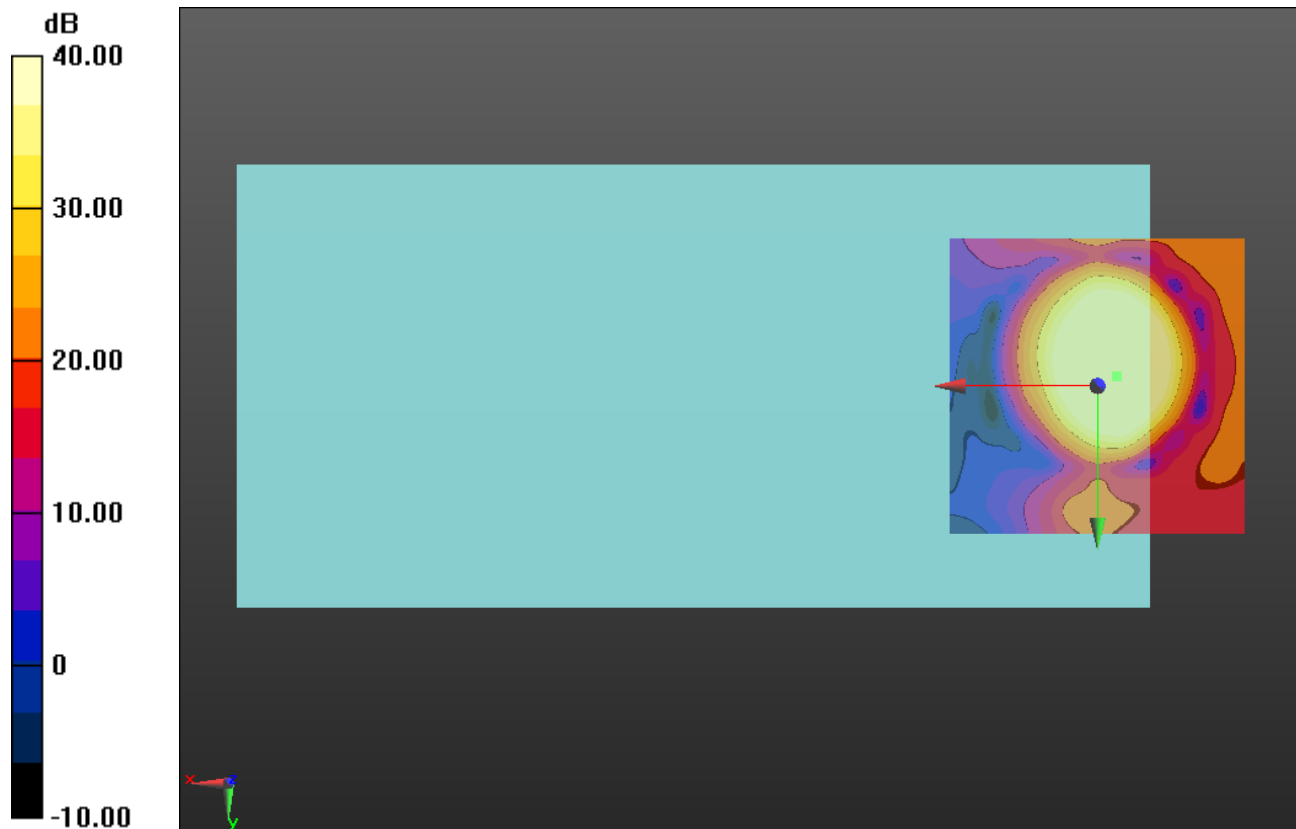
Cursor:

ABM1/ABM2 = 52.12 dB

ABM1 comp = 7.33 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -1.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 190/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

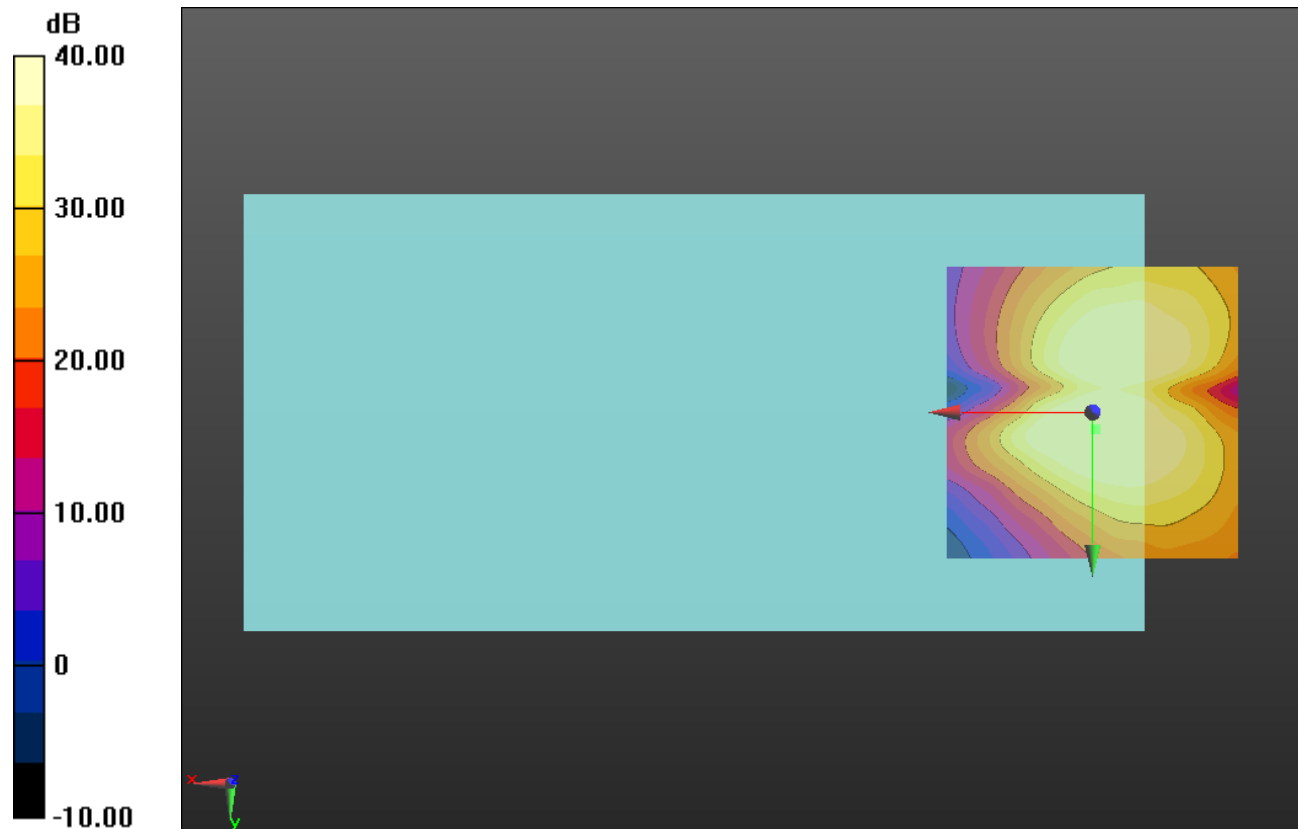
Cursor:

ABM1/ABM2 = 44.90 dB

ABM1 comp = -0.20 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

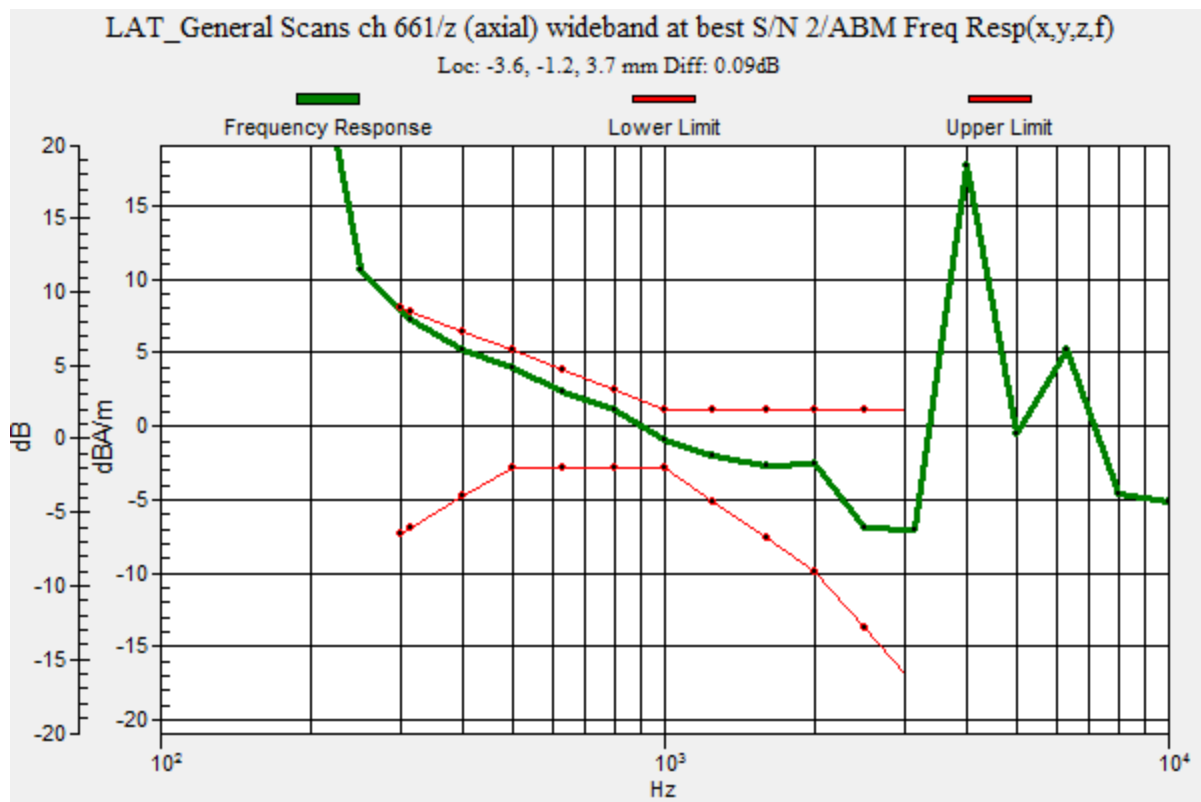
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.09 dB

BWC Factor = 10.80 dB

Location: -3.6, -1.2, 3.7 mm



GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 661/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

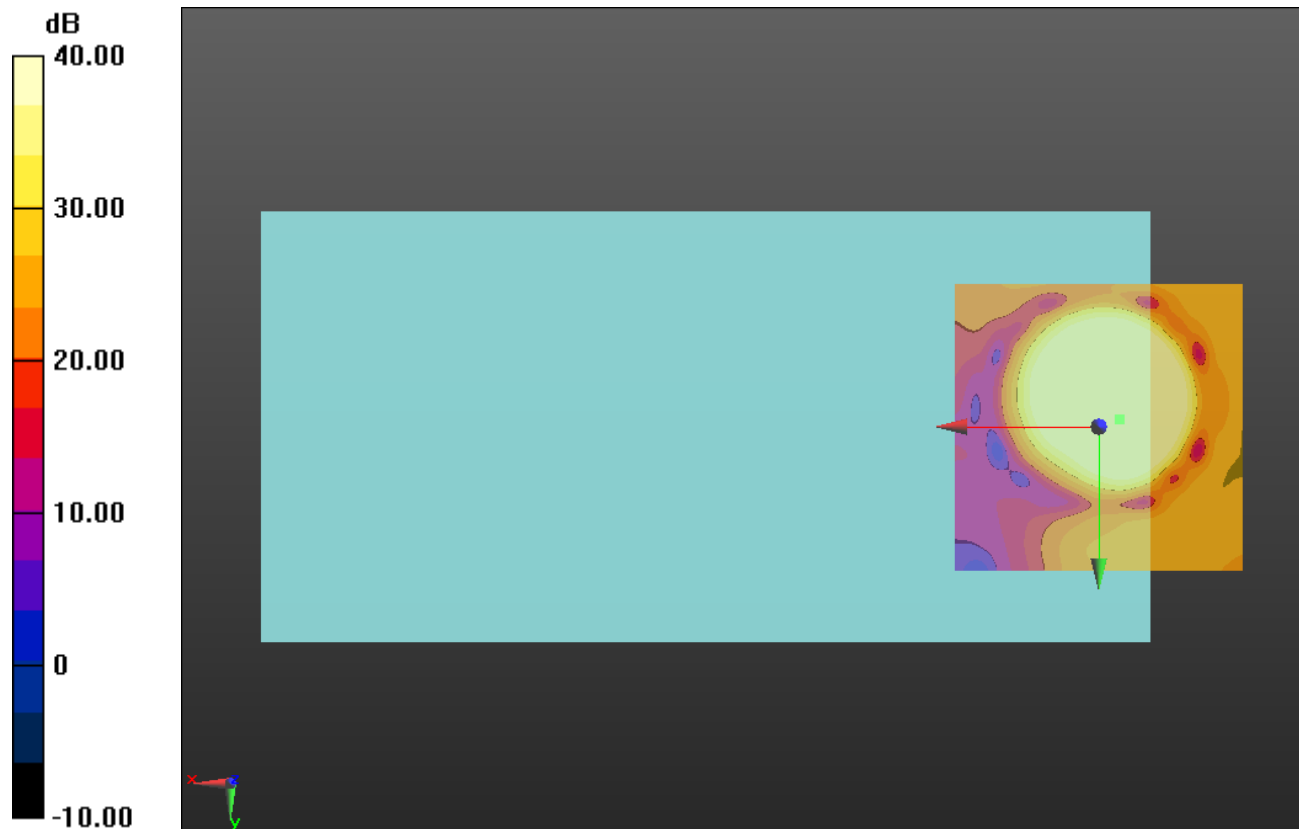
Cursor:

ABM1/ABM2 = 57.30 dB

ABM1 comp = 9.62 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -1.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8.00018

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

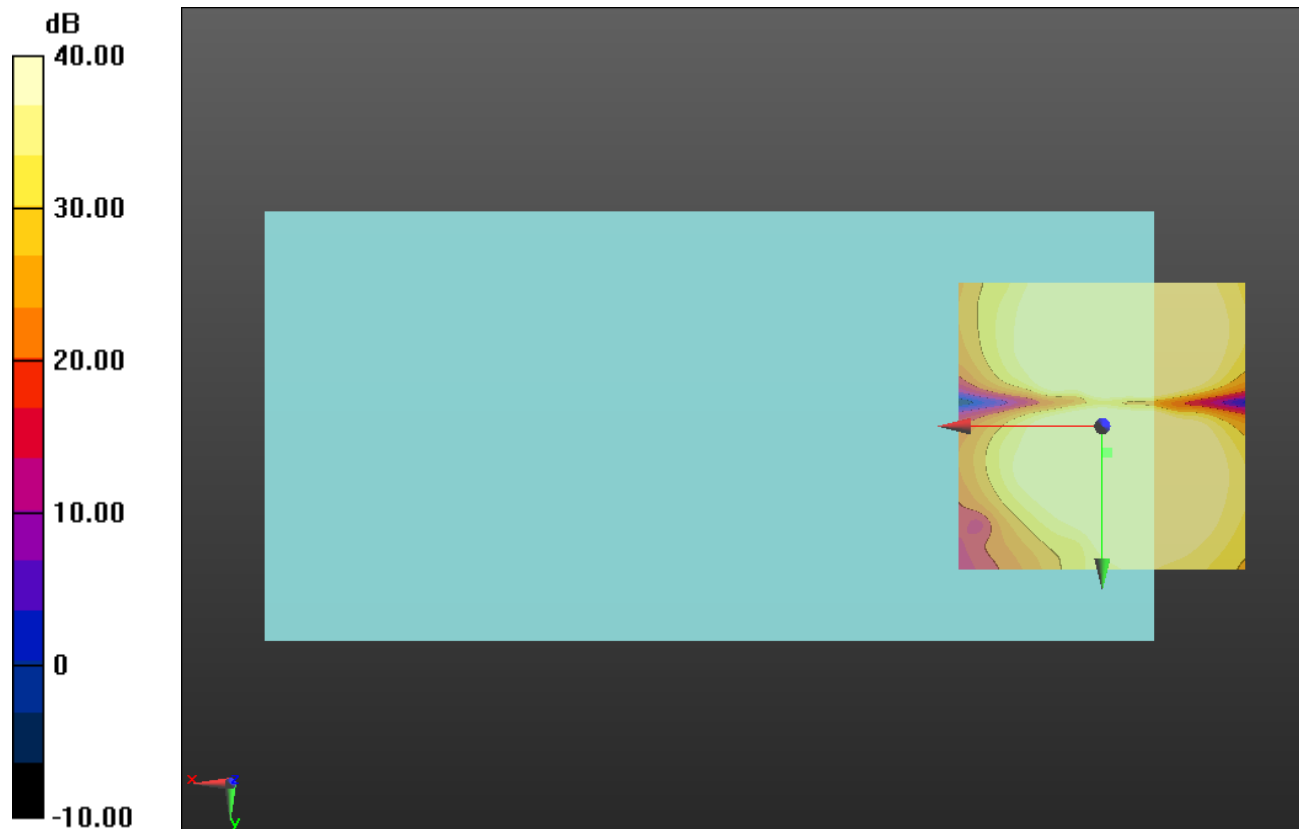
Cursor:

ABM1/ABM2 = 55.14 dB

ABM1 comp = 3.80 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, 4.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 4183/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

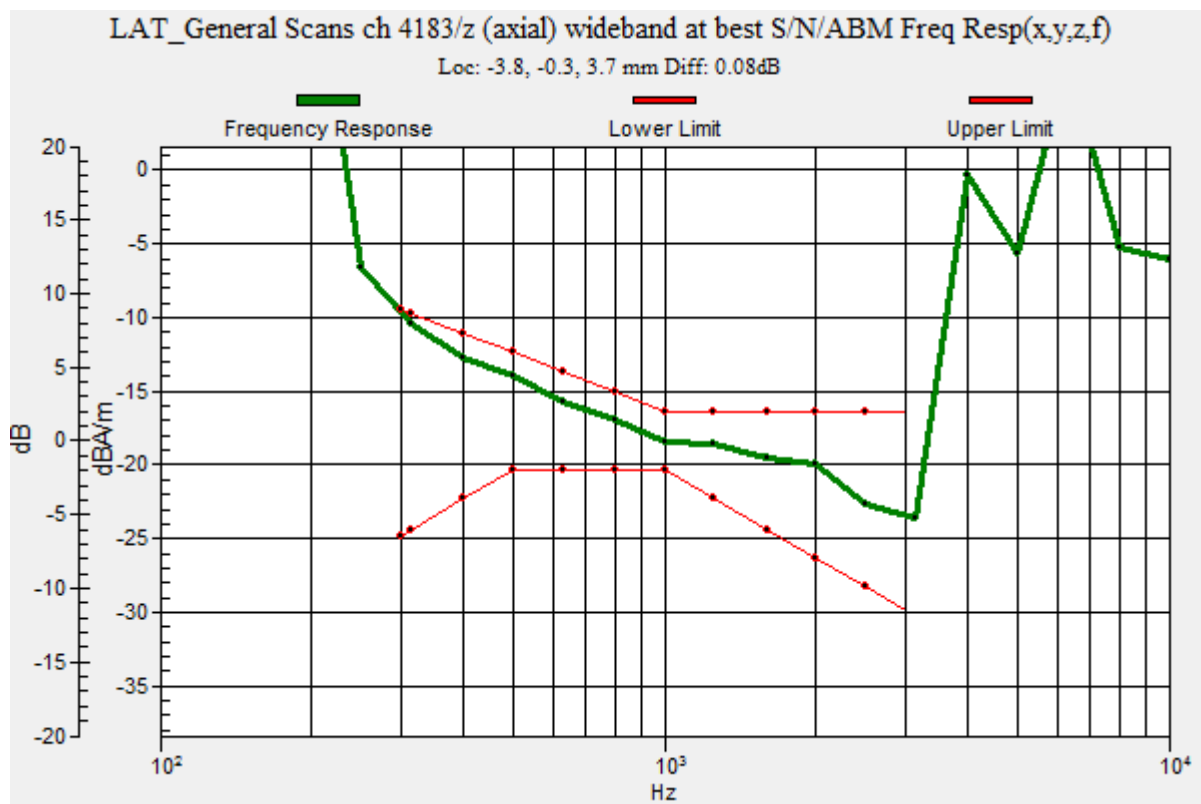
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.08 dB

BWC Factor = 10.80 dB

Location: -3.8, -0.3, 3.7 mm



W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 4183/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

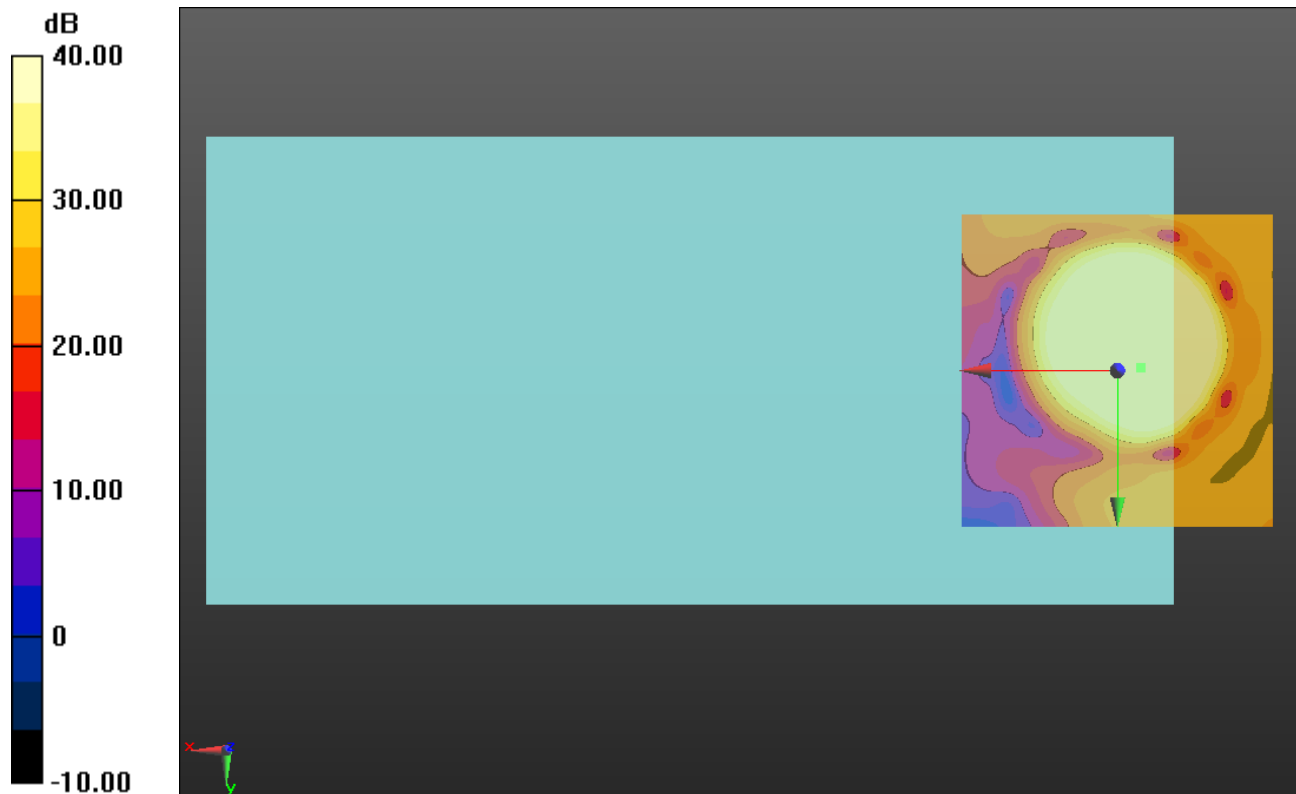
Cursor:

ABM1/ABM2 = 57.55 dB

ABM1 comp = 9.61 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 4183/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

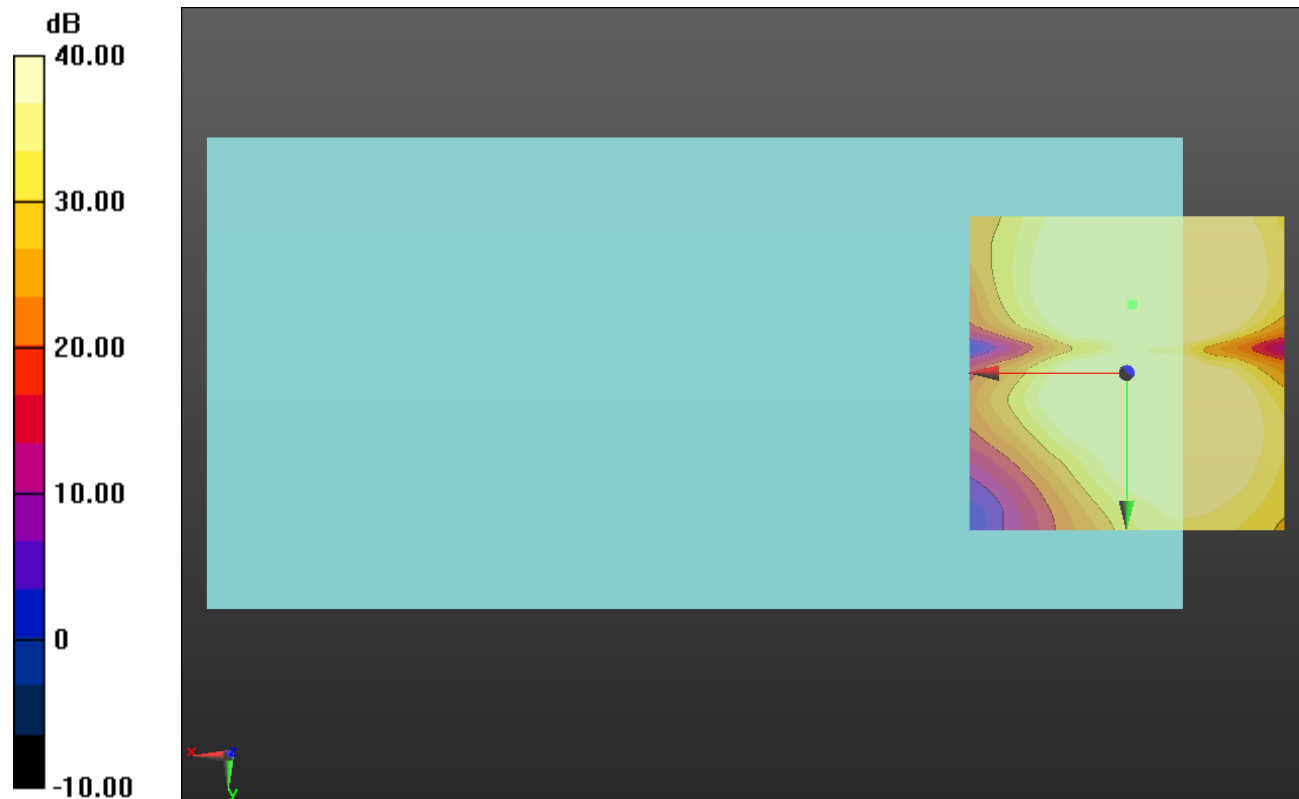
Cursor:

ABM1/ABM2 = 53.38 dB

ABM1 comp = 4.04 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -10.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

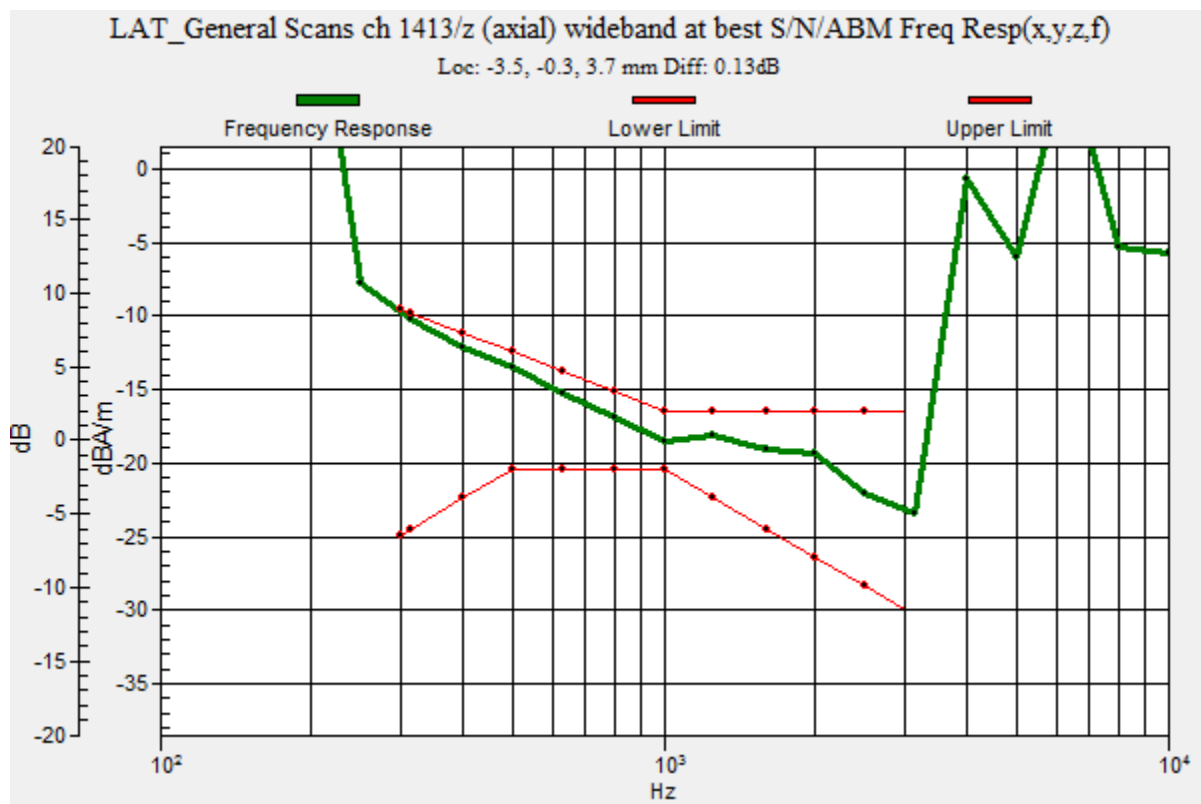
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.13 dB

BWC Factor = 10.80 dB

Location: -3.5, -0.3, 3.7 mm



W-CDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 1413/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

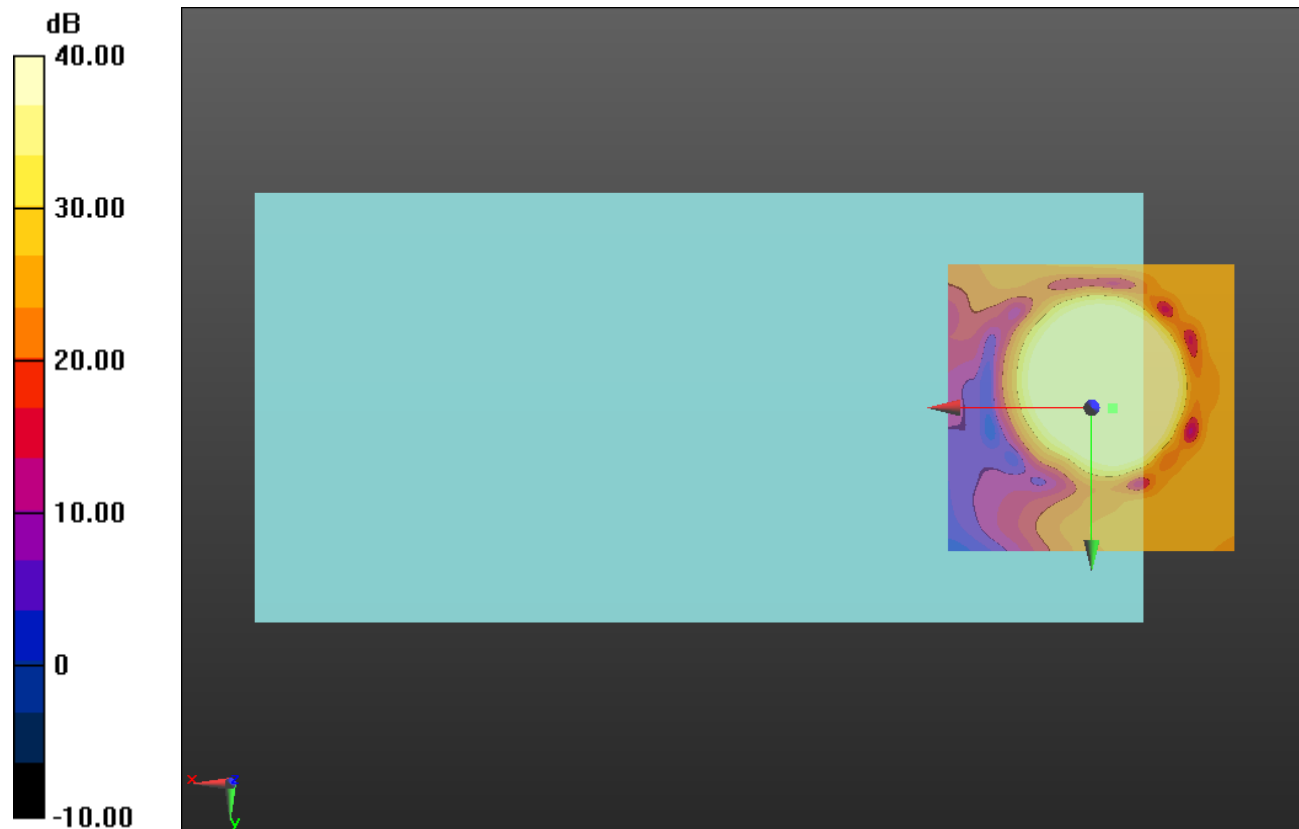
Cursor:

ABM1/ABM2 = 57.51 dB

ABM1 comp = 10.08 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 1413/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

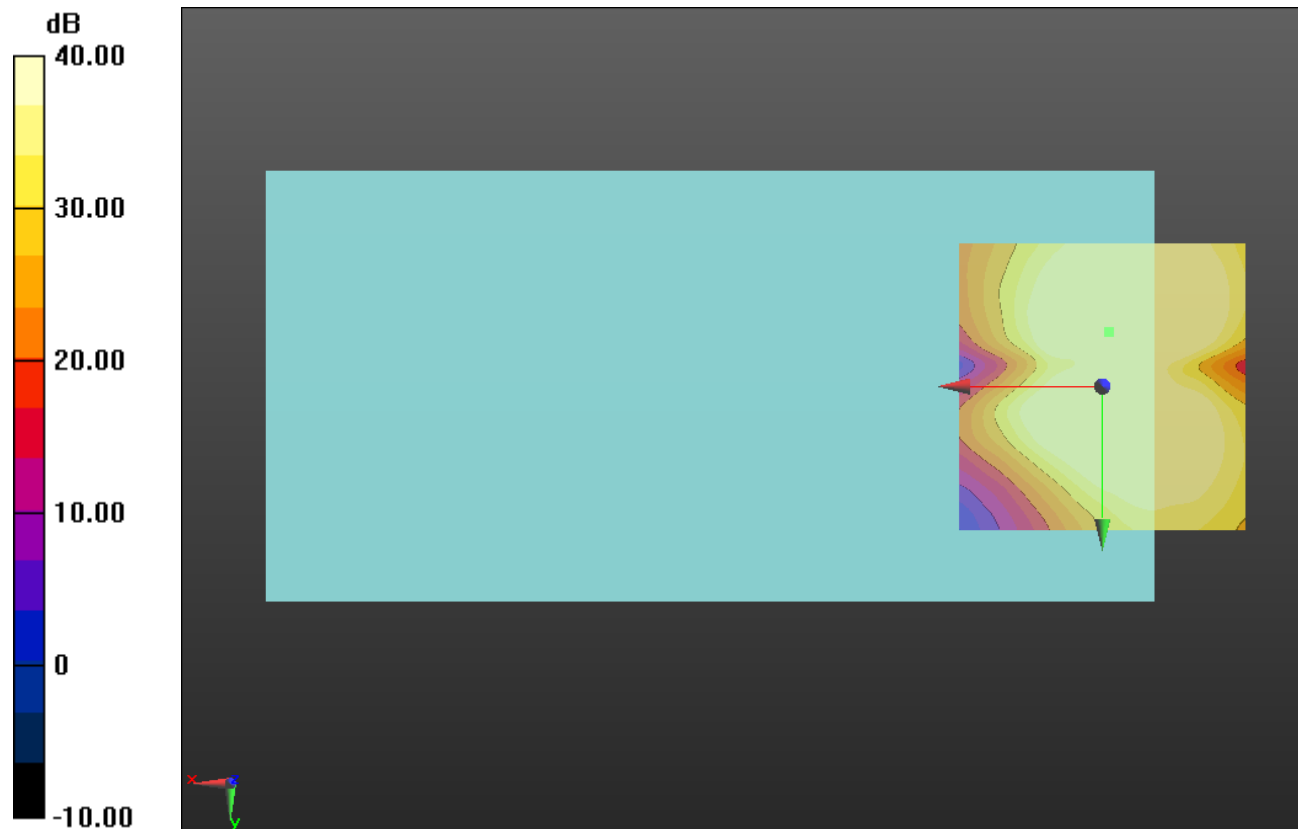
Cursor:

ABM1/ABM2 = 52.23 dB

ABM1 comp = 3.82 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -9.6, 3.7 mm



W-CDMA Band II

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)/LAT_General Scans ch 9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

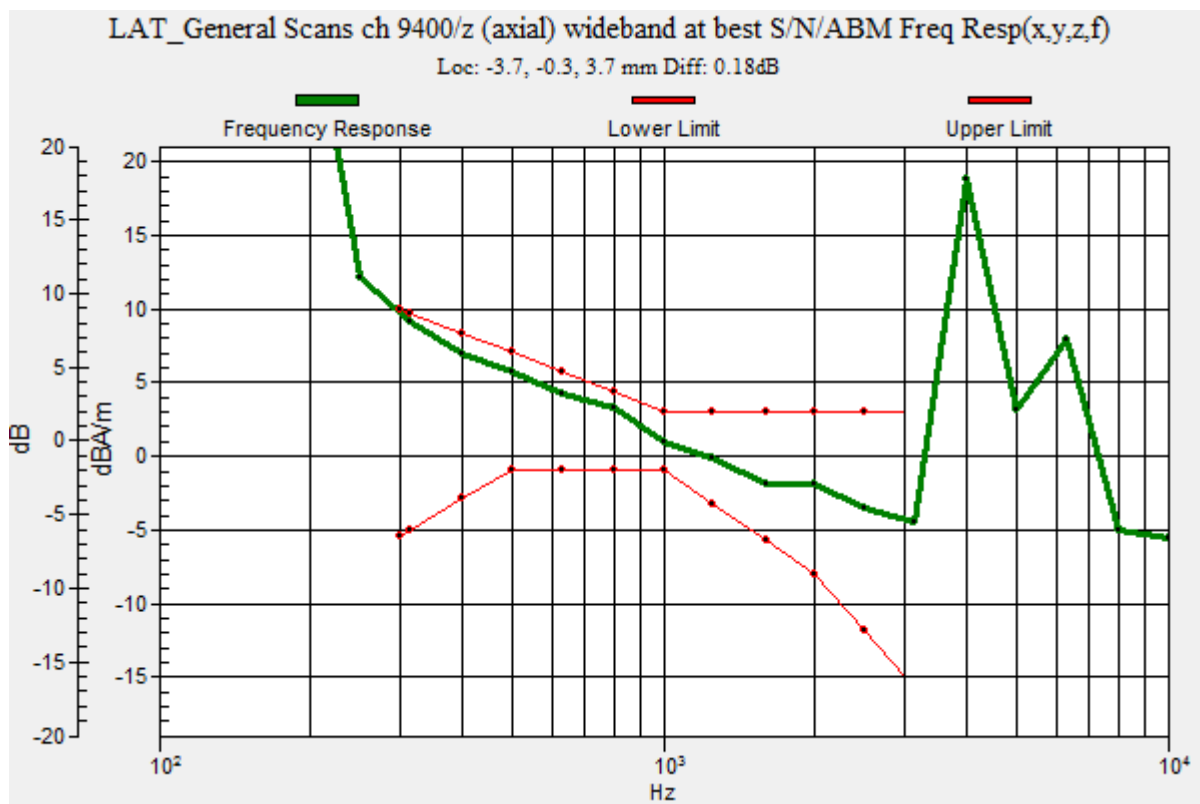
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.18 dB

BWC Factor = 10.80 dB

Location: -3.7, -0.3, 3.7 mm



W-CDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

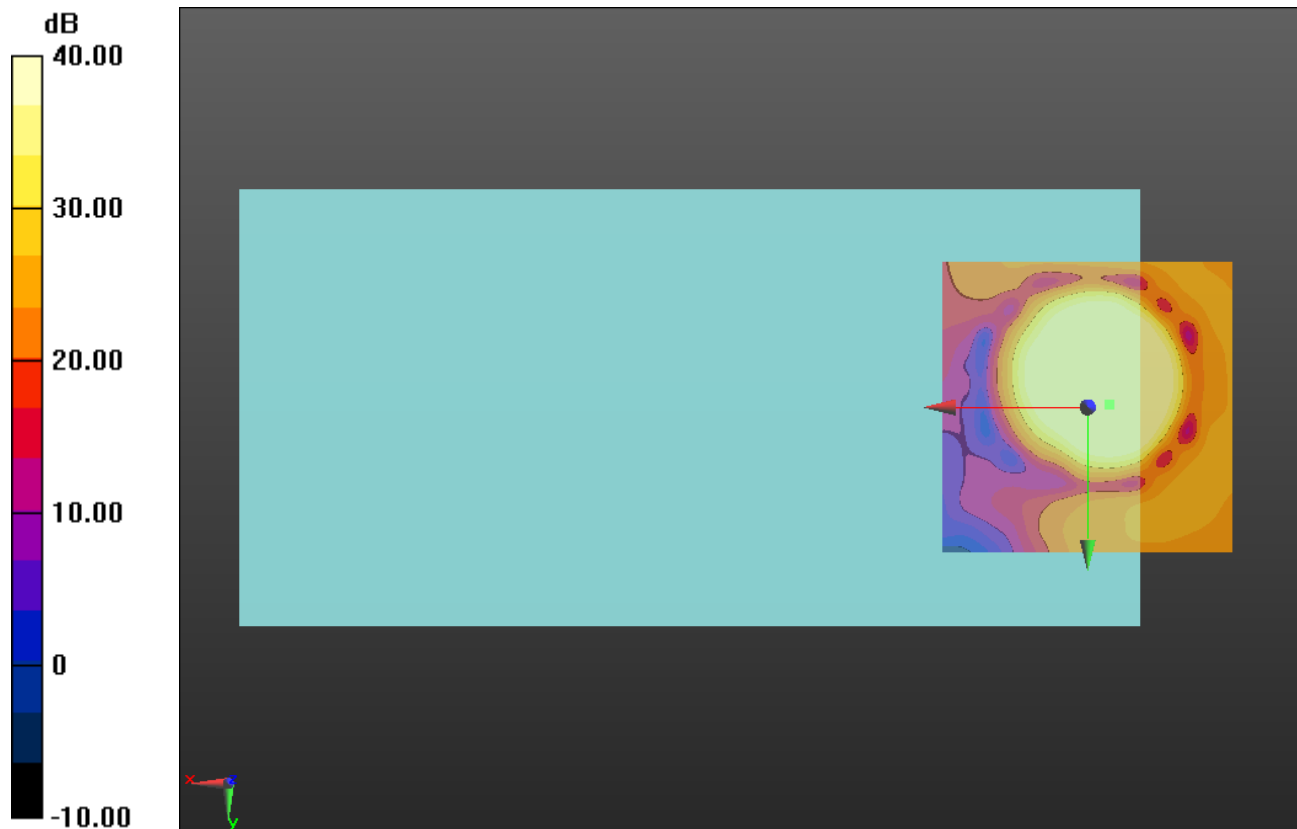
Cursor:

ABM1/ABM2 = 55.73 dB

ABM1 comp = 7.37 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

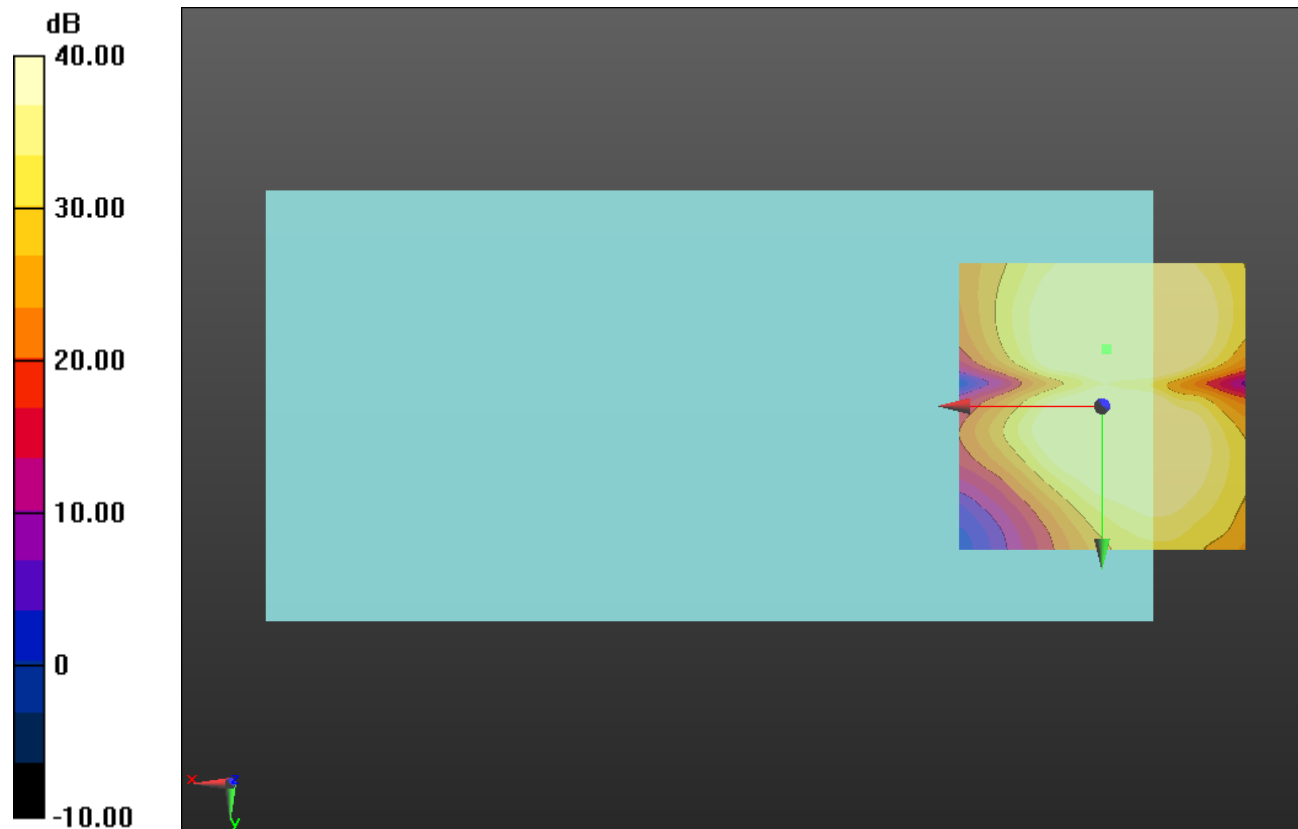
Cursor:

ABM1/ABM2 = 50.55 dB

ABM1 comp = 1.19 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC0

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 384/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

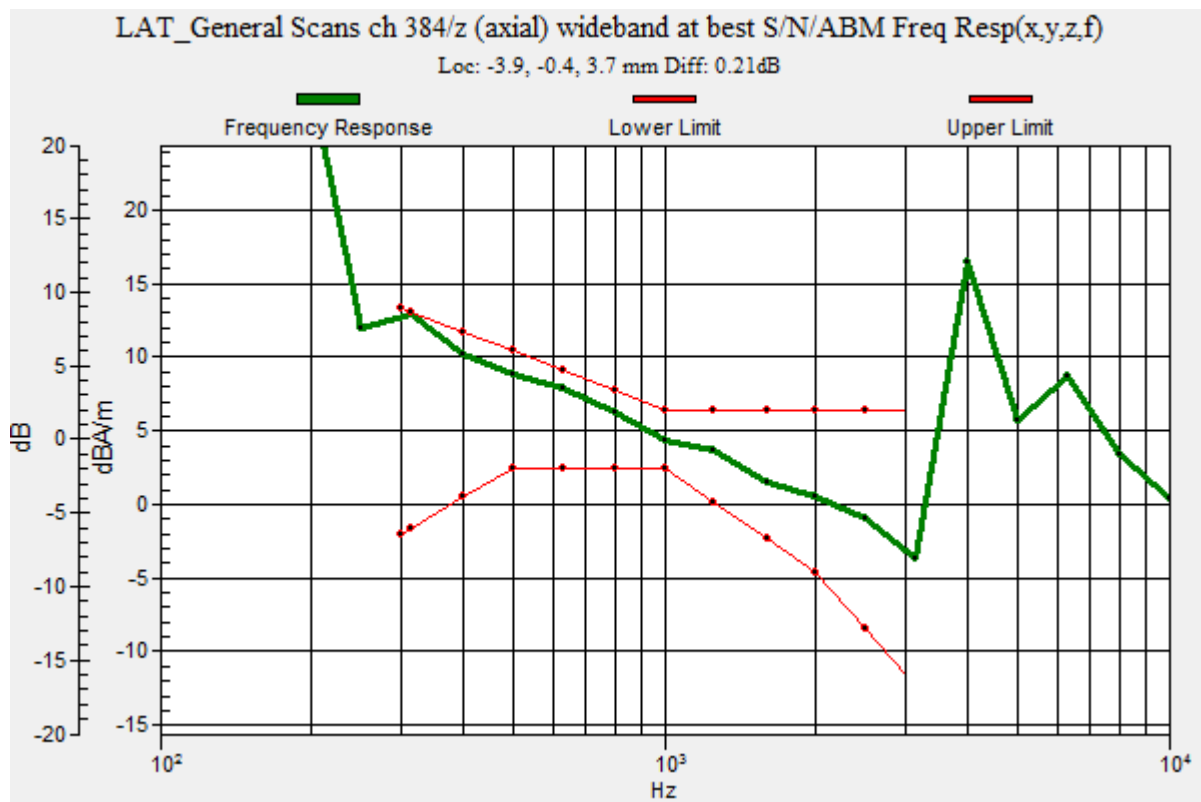
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.21 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.4, 3.7 mm



CDMA2000 BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 384/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

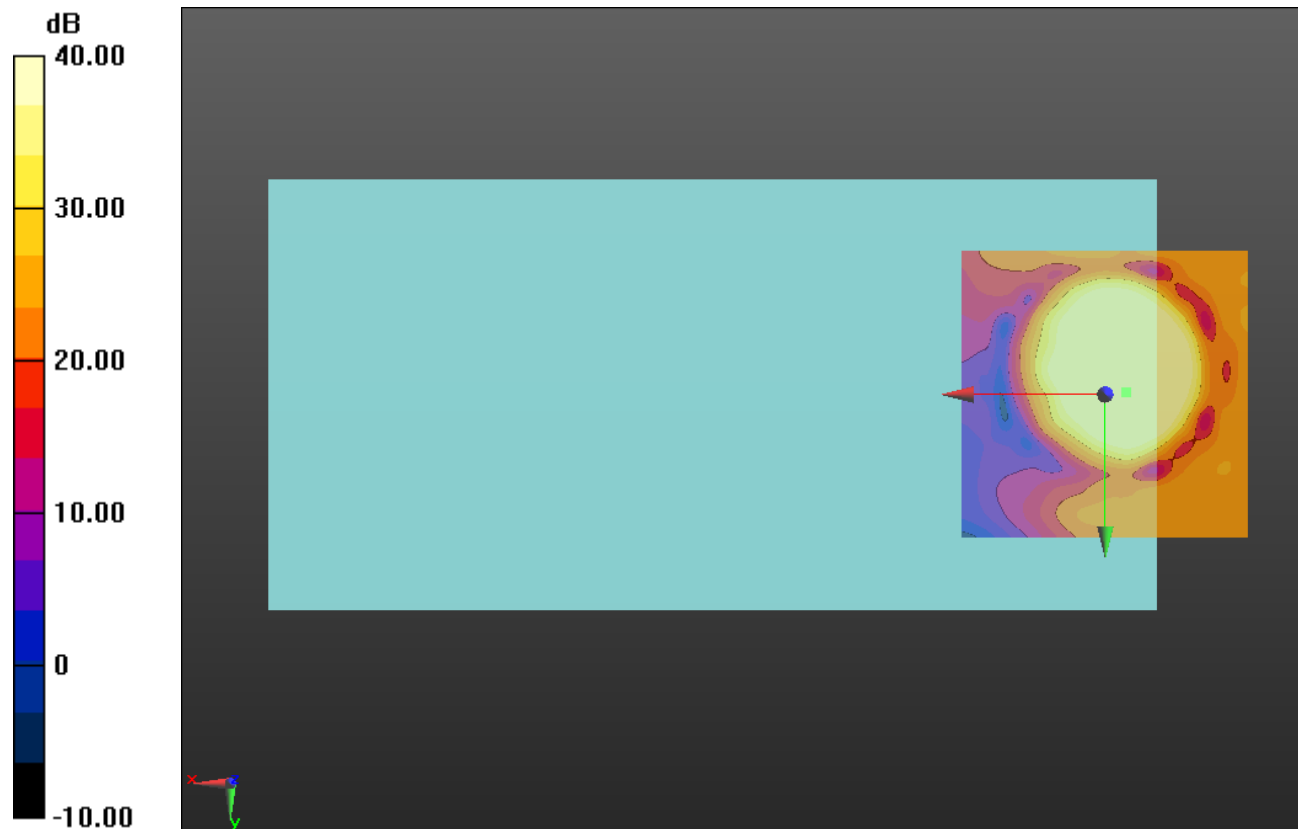
Cursor:

ABM1/ABM2 = 56.89 dB

ABM1 comp = 9.57 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 384/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

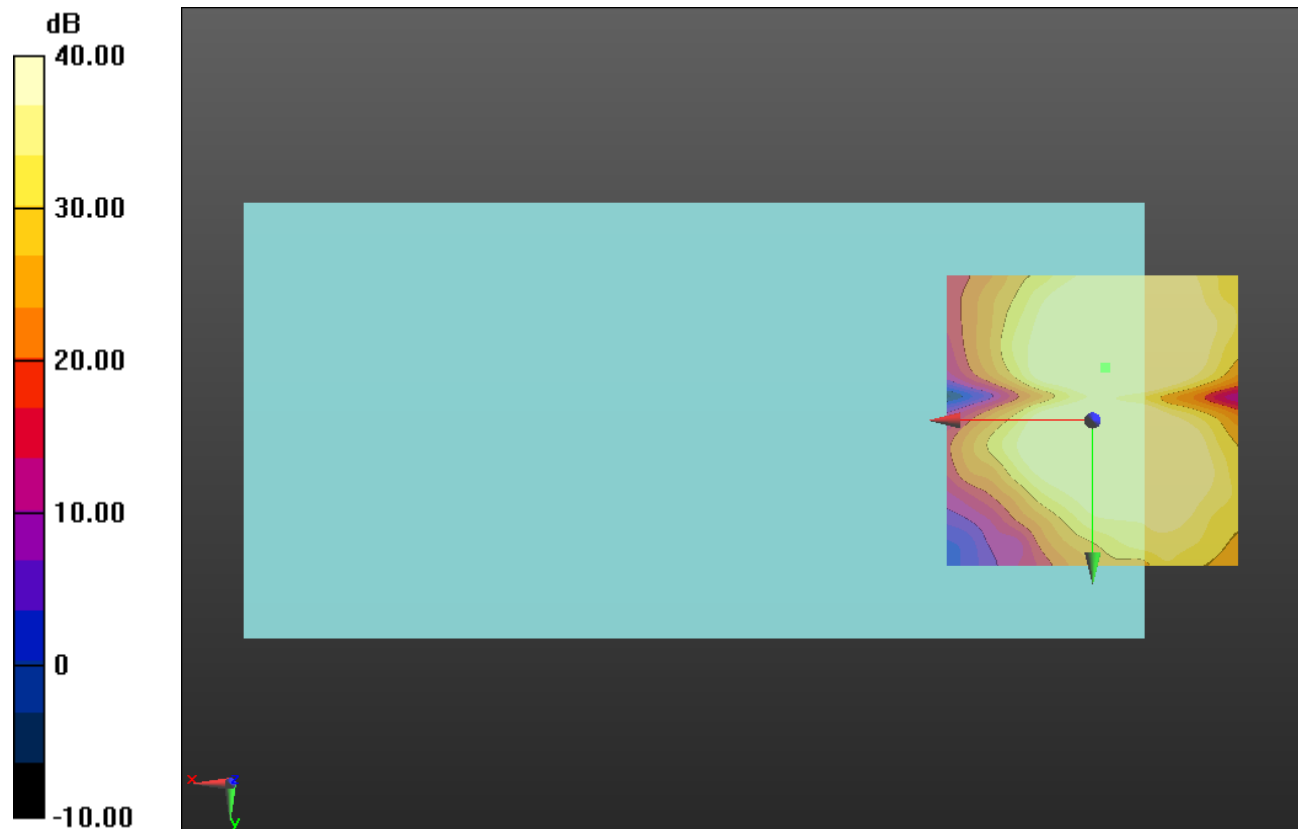
Cursor:

ABM1/ABM2 = 50.56 dB

ABM1 comp = 2.88 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -9.2, 3.7 mm



CDMA2000 BC1

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 600/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

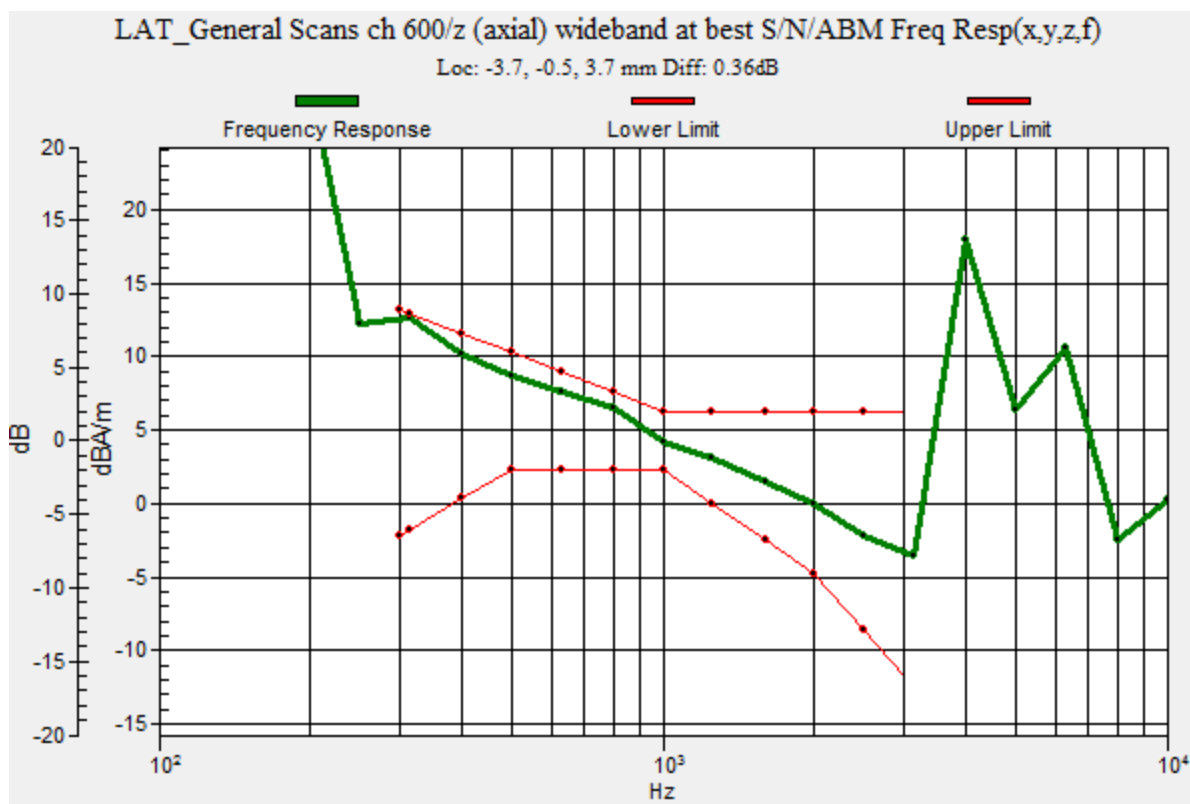
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.36 dB

BWC Factor = 10.80 dB

Location: -3.7, -0.5, 3.7 mm



CDMA2000 BC1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 600/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

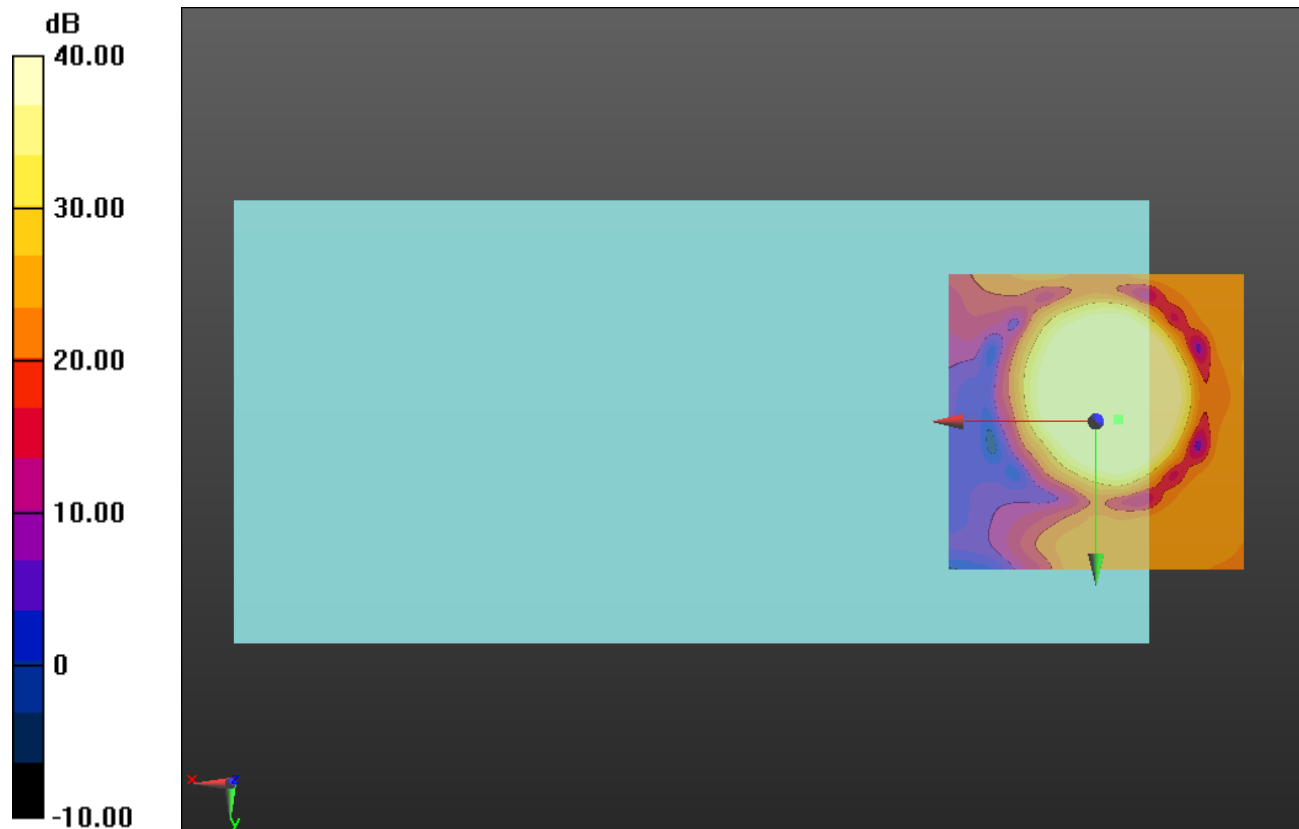
Cursor:

ABM1/ABM2 = 55.40 dB

ABM1 comp = 8.28 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

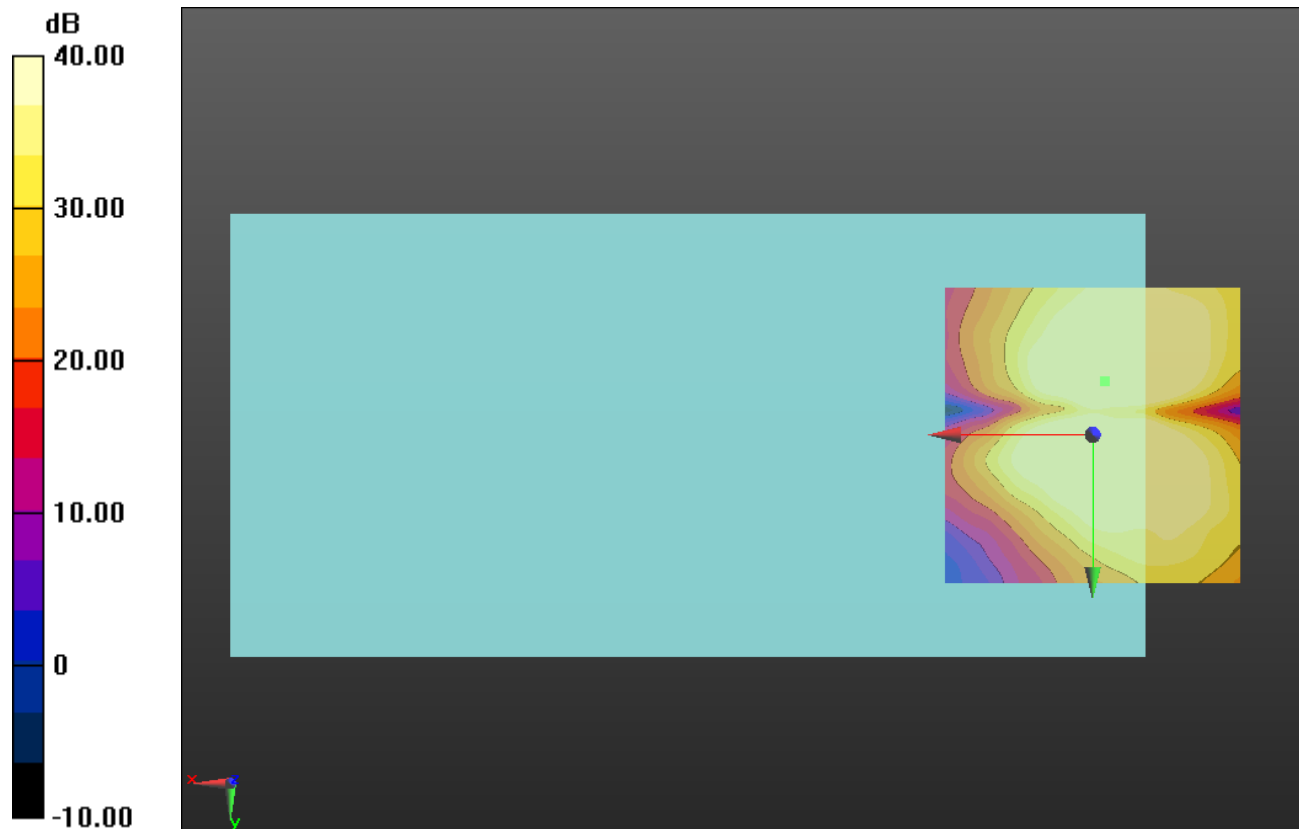
Cursor:

ABM1/ABM2 = 50.82 dB

ABM1 comp = 3.11 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC10

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 580/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

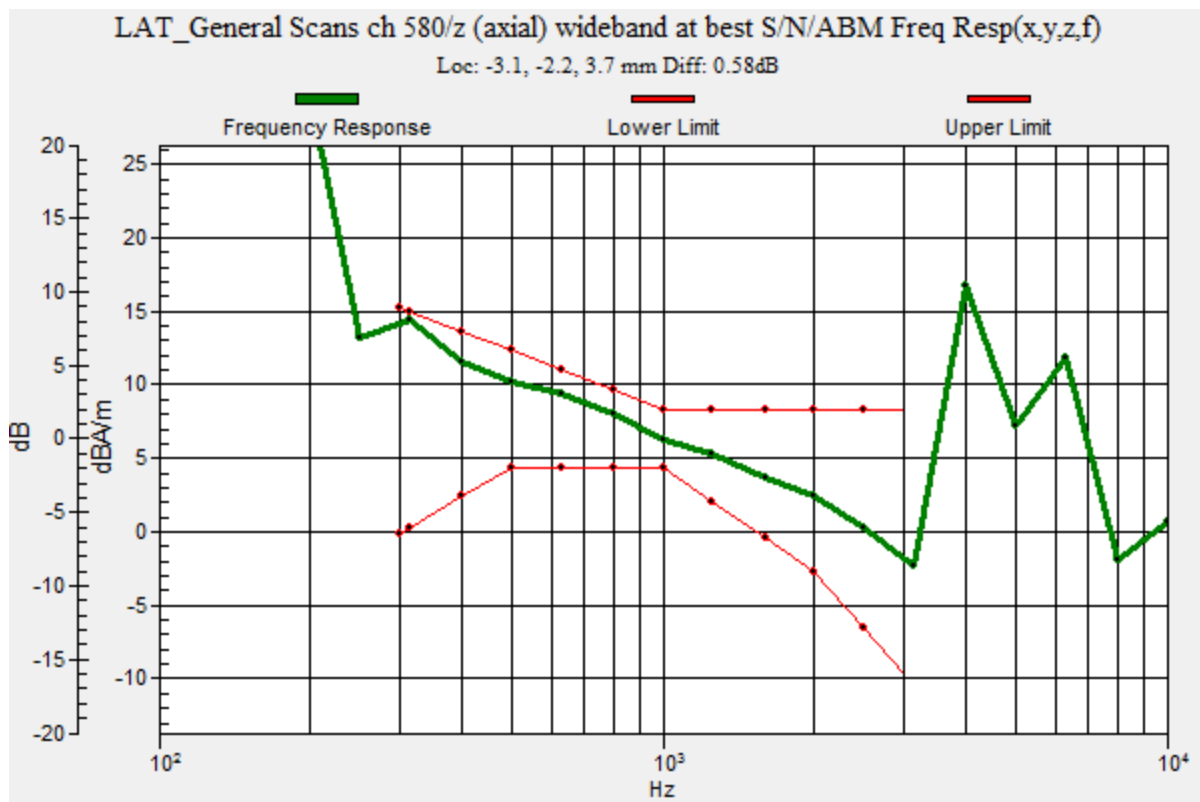
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.58 dB

BWC Factor = 10.80 dB

Location: -3.1, -2.2, 3.7 mm



CDMA2000 BC10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 580/z (axial)

4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

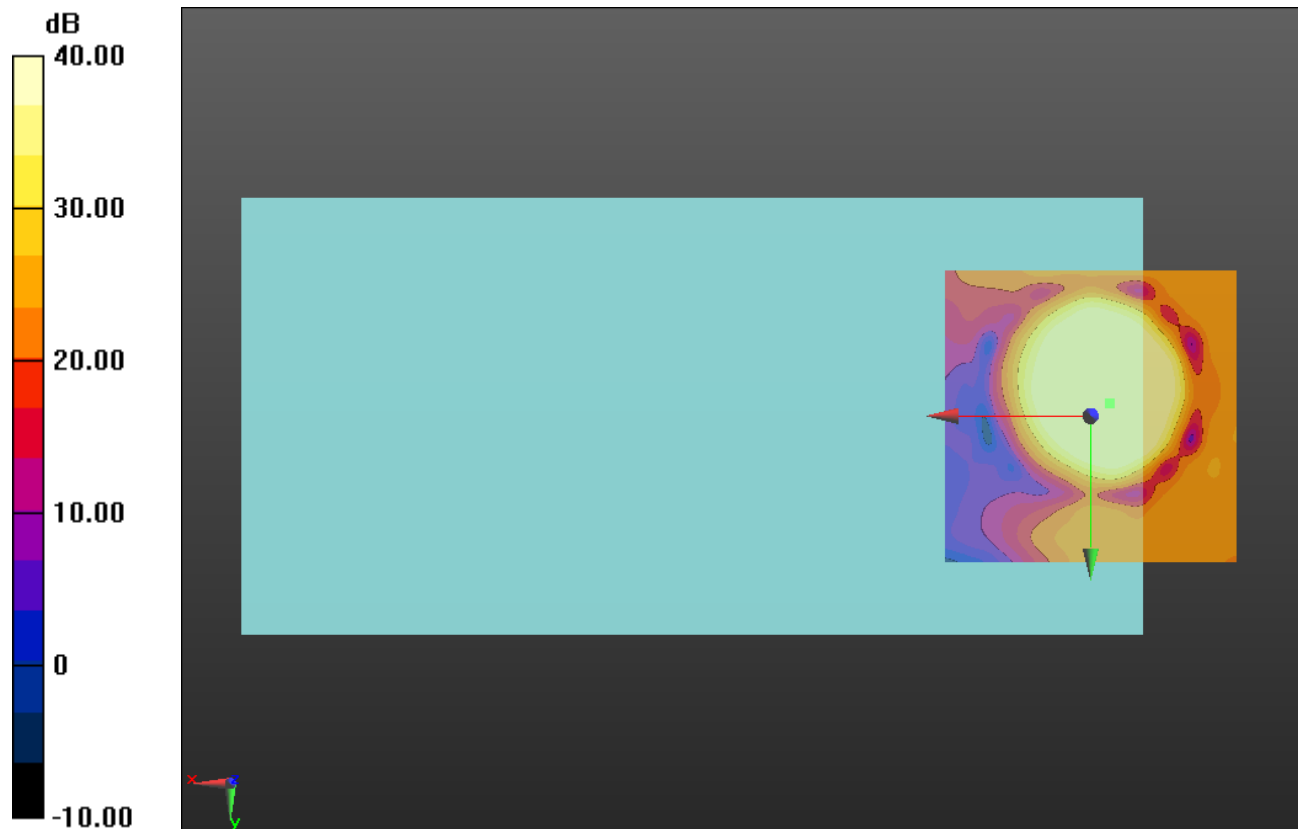
Cursor:

ABM1/ABM2 = 55.59 dB

ABM1 comp = 10.04 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -2.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA2000 BC10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 580/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

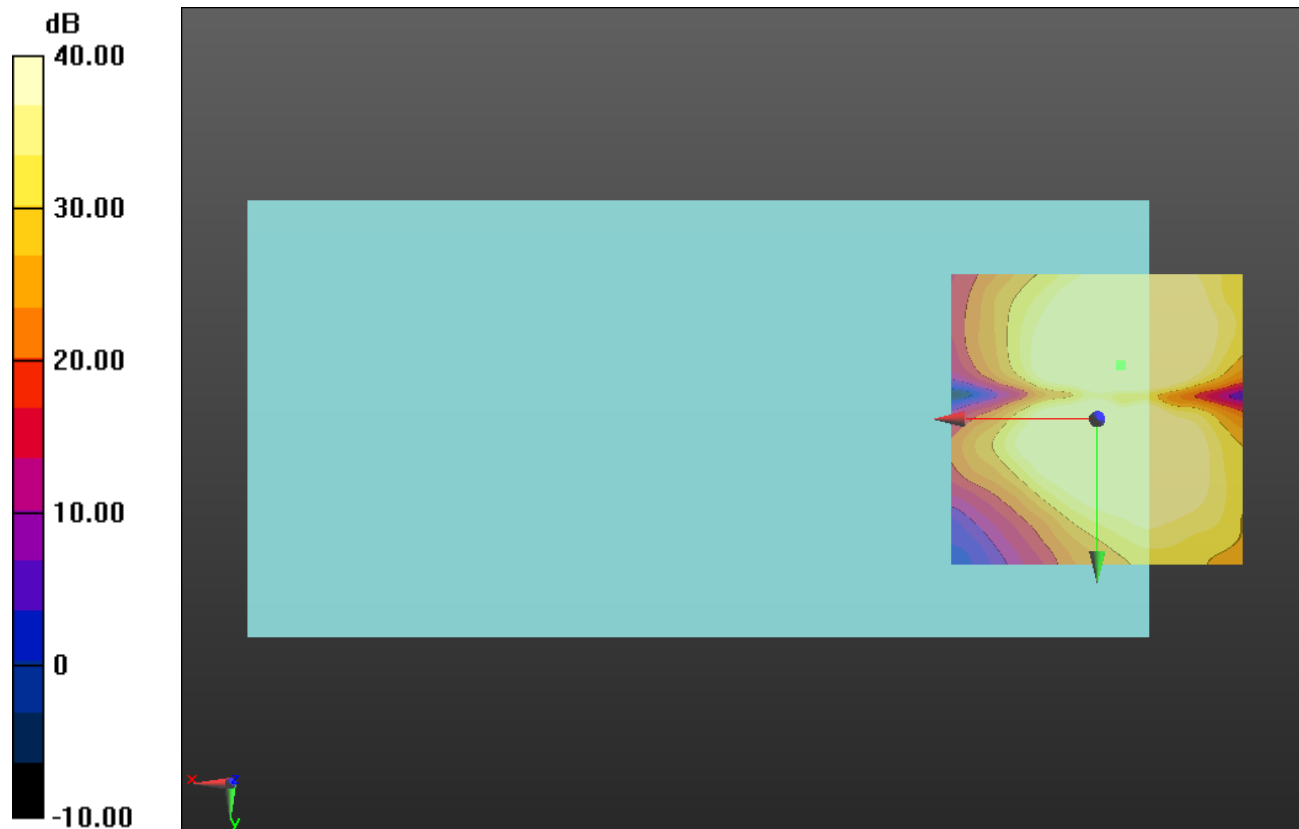
Cursor:

ABM1/ABM2 = 50.98 dB

ABM1 comp = 1.73 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.2, 3.7 mm



LTE Band 2 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

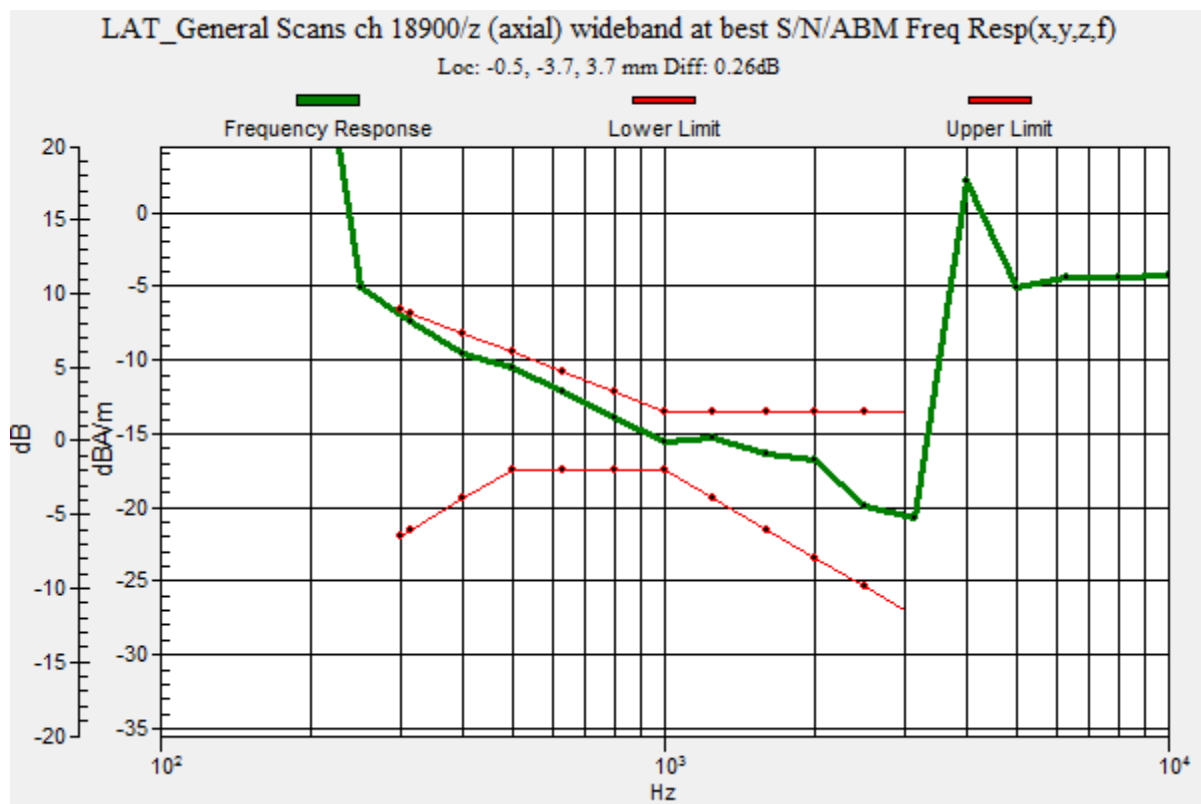
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.26 dB

BWC Factor = 10.80 dB

Location: -0.5, -3.7, 3.7 mm



LTE Band 2 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

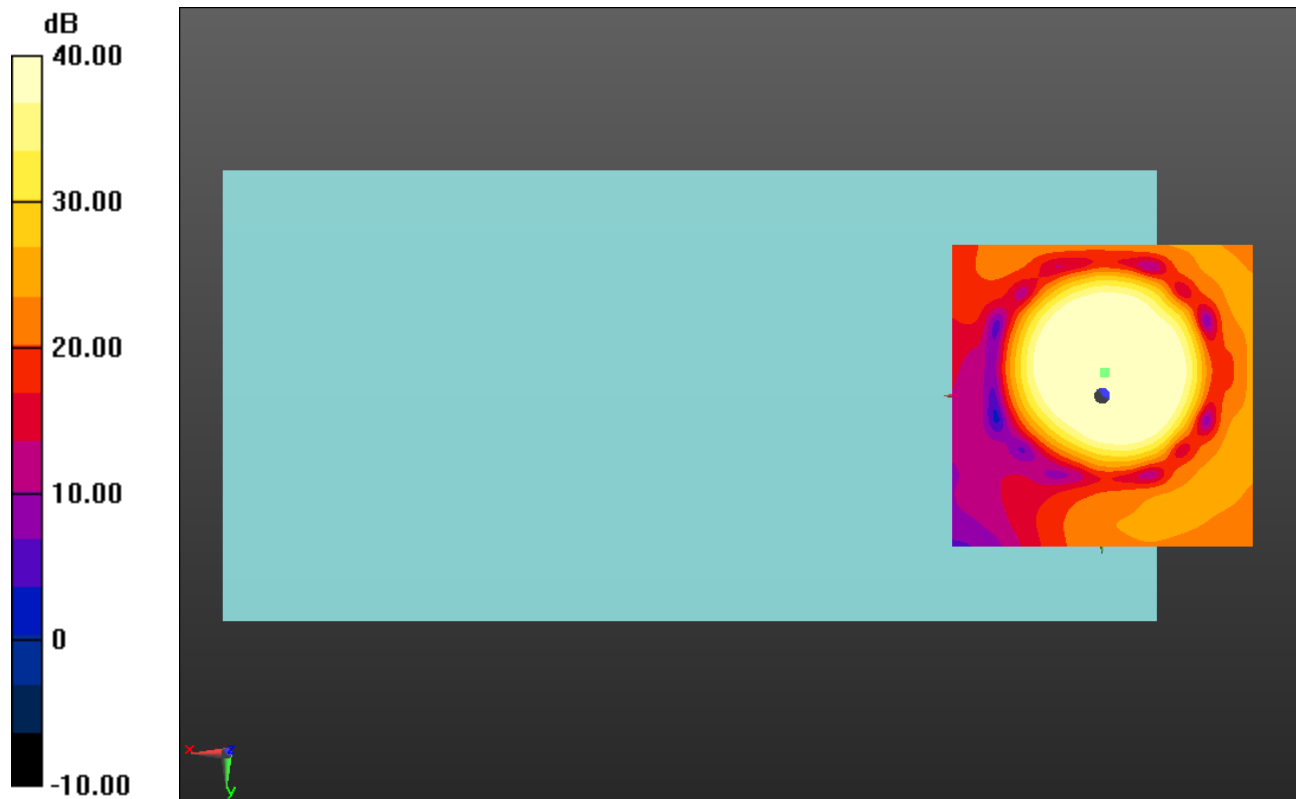
Cursor:

ABM1/ABM2 = 53.36 dB

ABM1 comp = 11.97 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -3.8, 3.7 mm



LTE Band 2 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

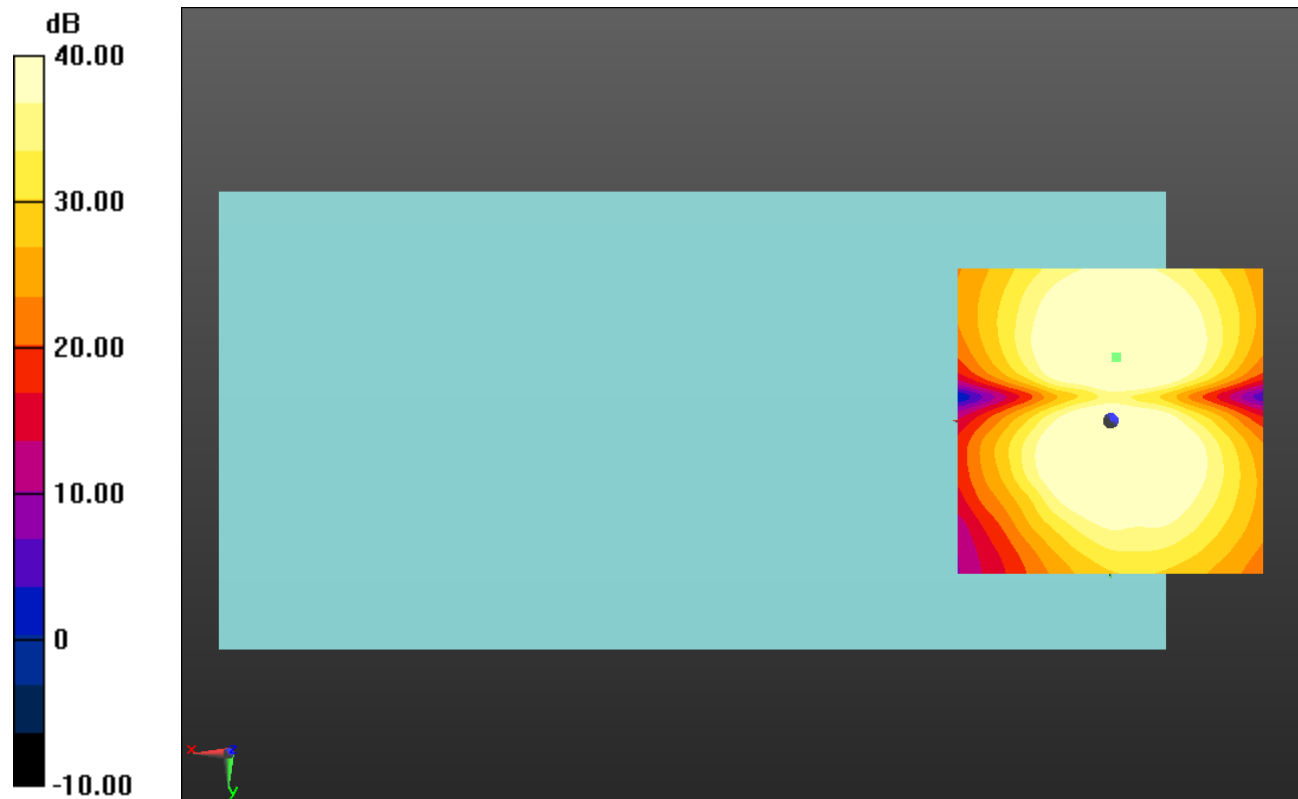
Cursor:

ABM1/ABM2 = 48.33 dB

ABM1 comp = 3.22 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -10.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

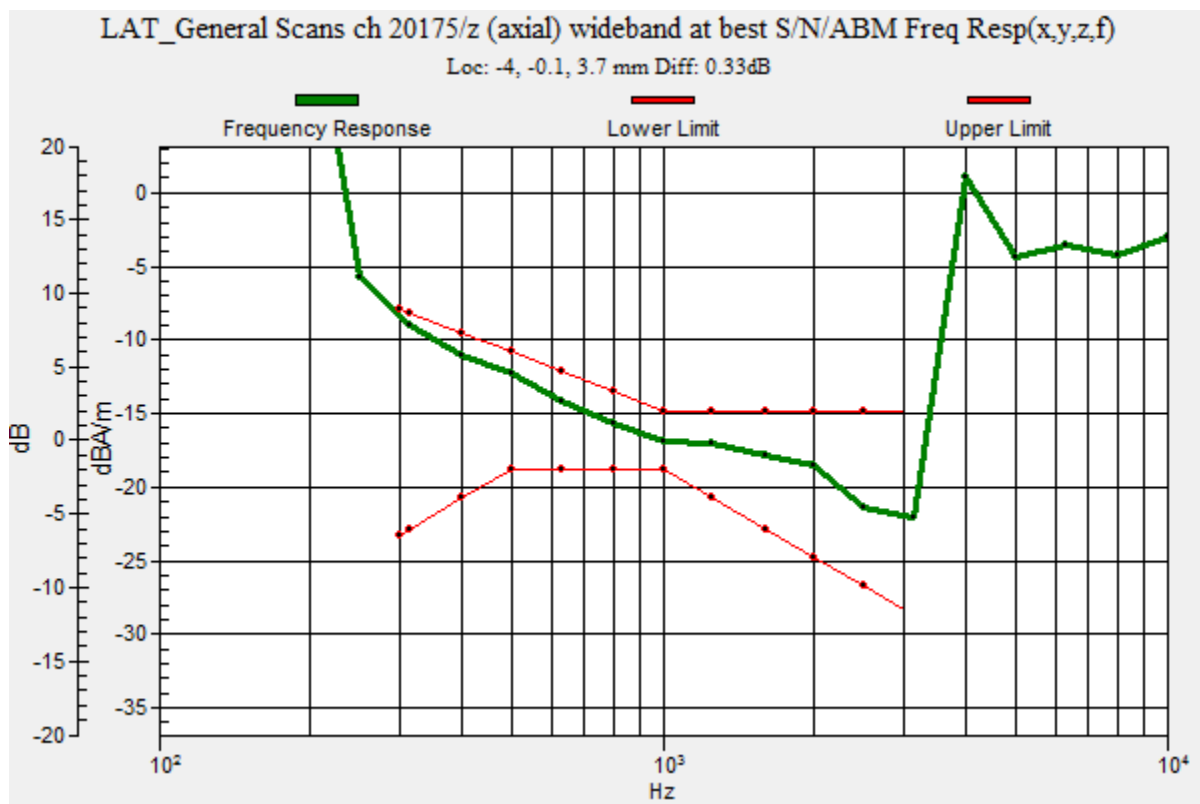
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.33 dB

BWC Factor = 10.80 dB

Location: -4, -0.1, 3.7 mm



LTE Band 4 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20175/z
(axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm,
dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

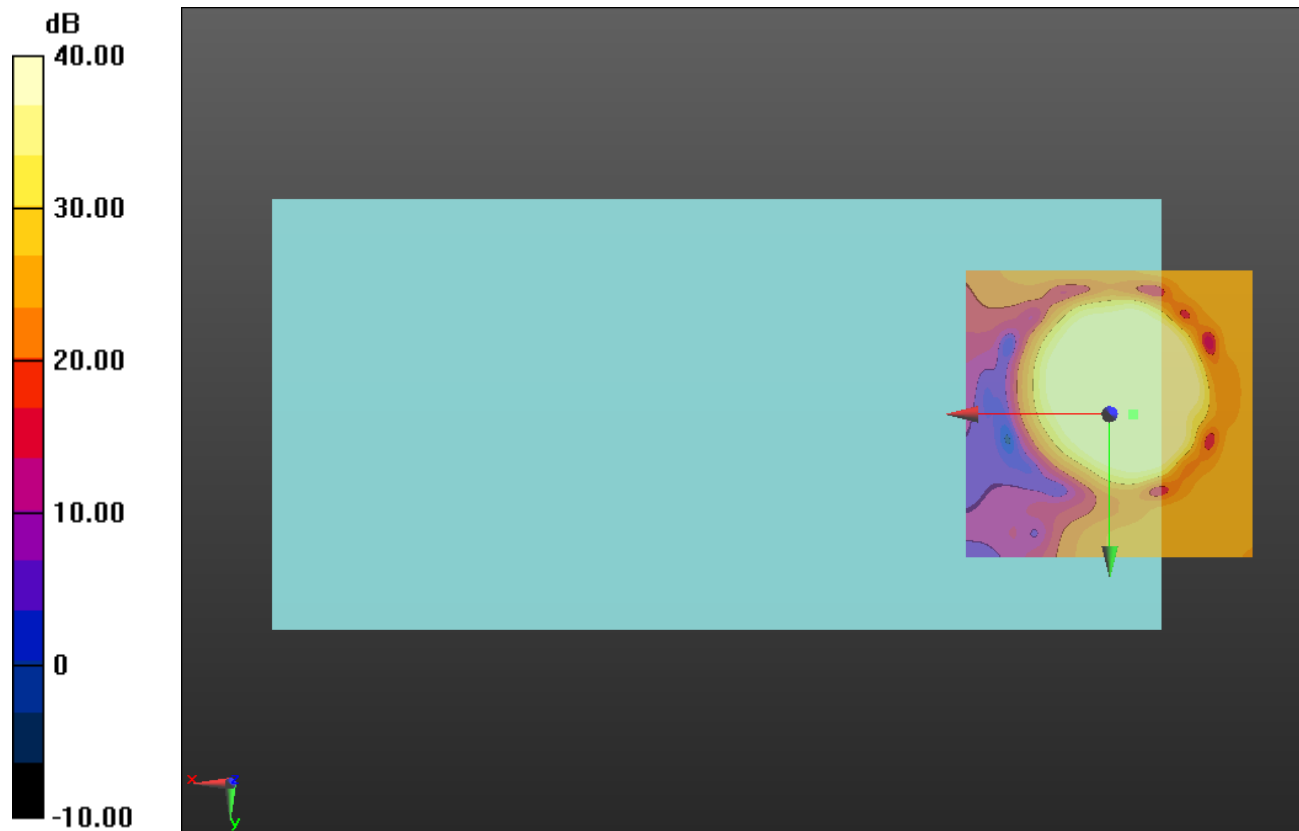
Cursor:

ABM1/ABM2 = 57.24 dB

ABM1 comp = 9.38 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

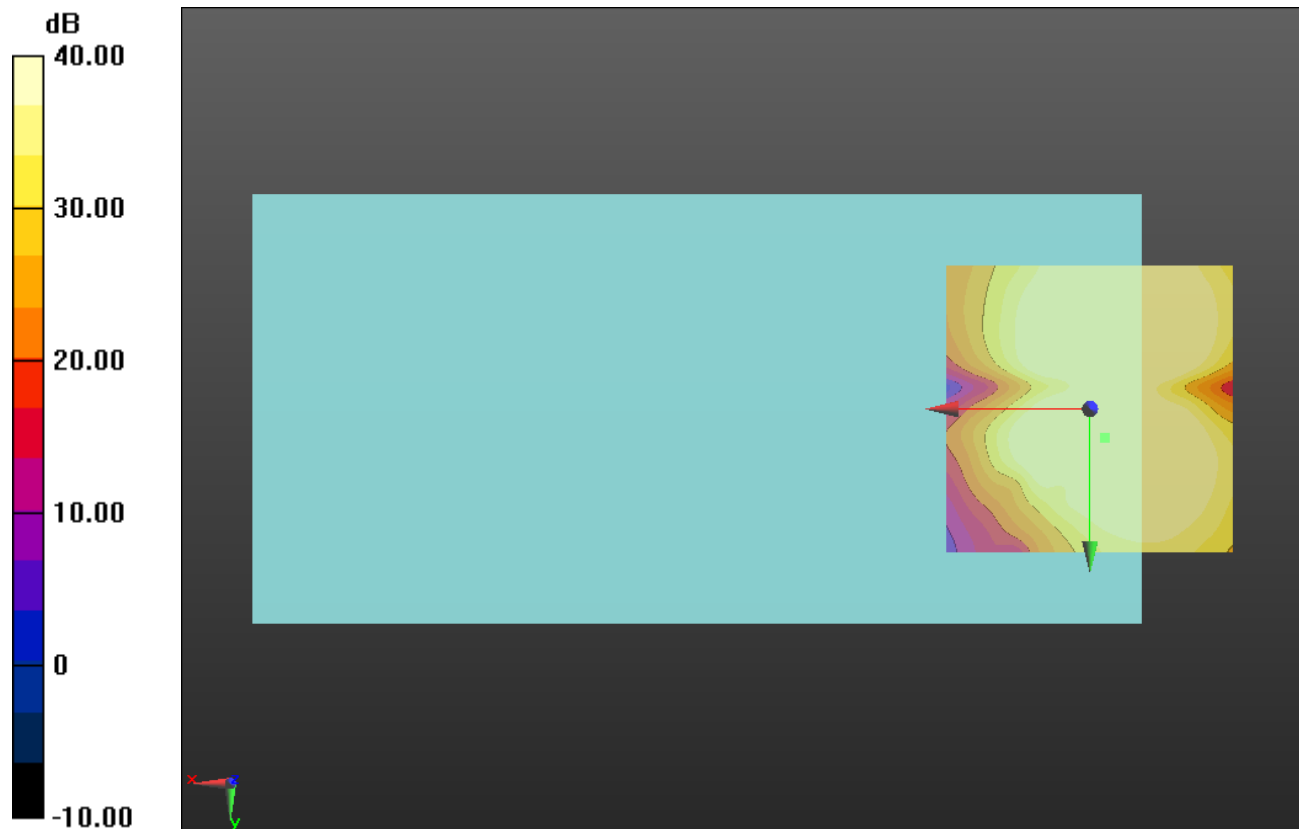
Cursor:

ABM1/ABM2 = 53.22 dB

ABM1 comp = 3.32 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, 5, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5 Narrowband

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)/LAT_General Scans ch 20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

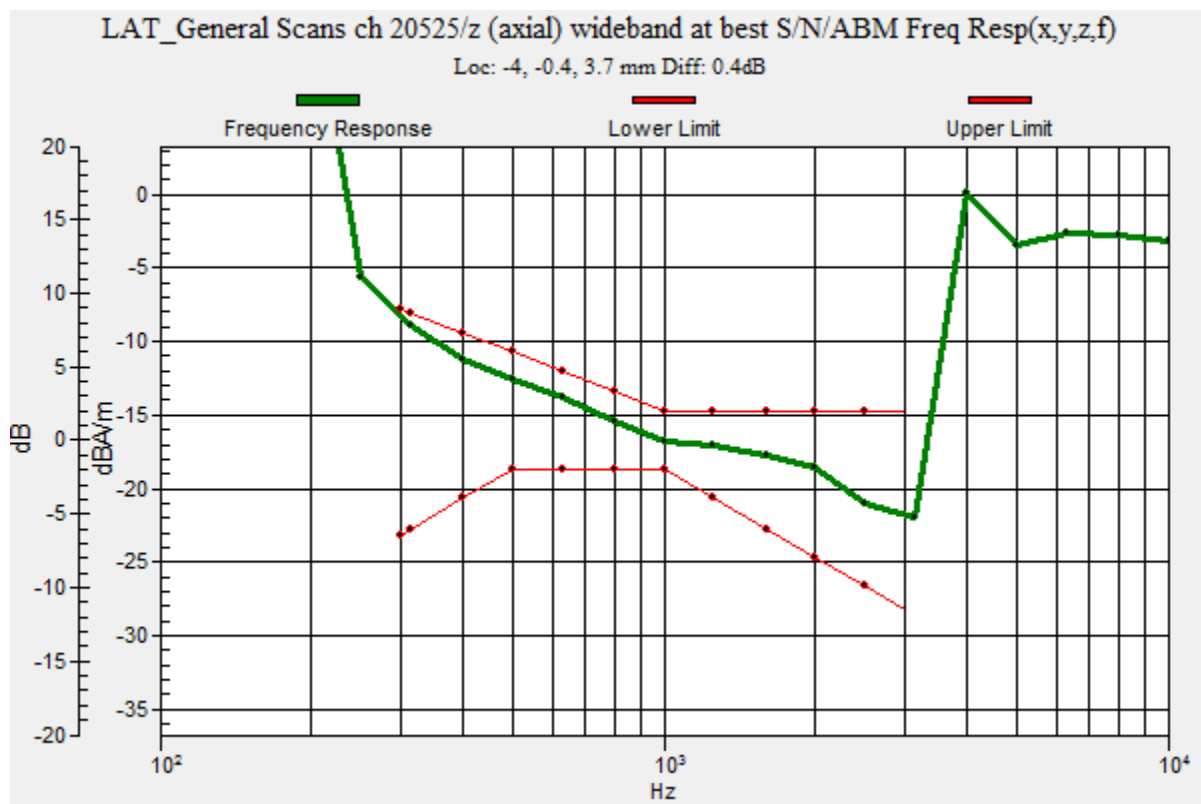
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.40 dB

BWC Factor = 10.80 dB

Location: -4, -0.4, 3.7 mm



LTE Band 5 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

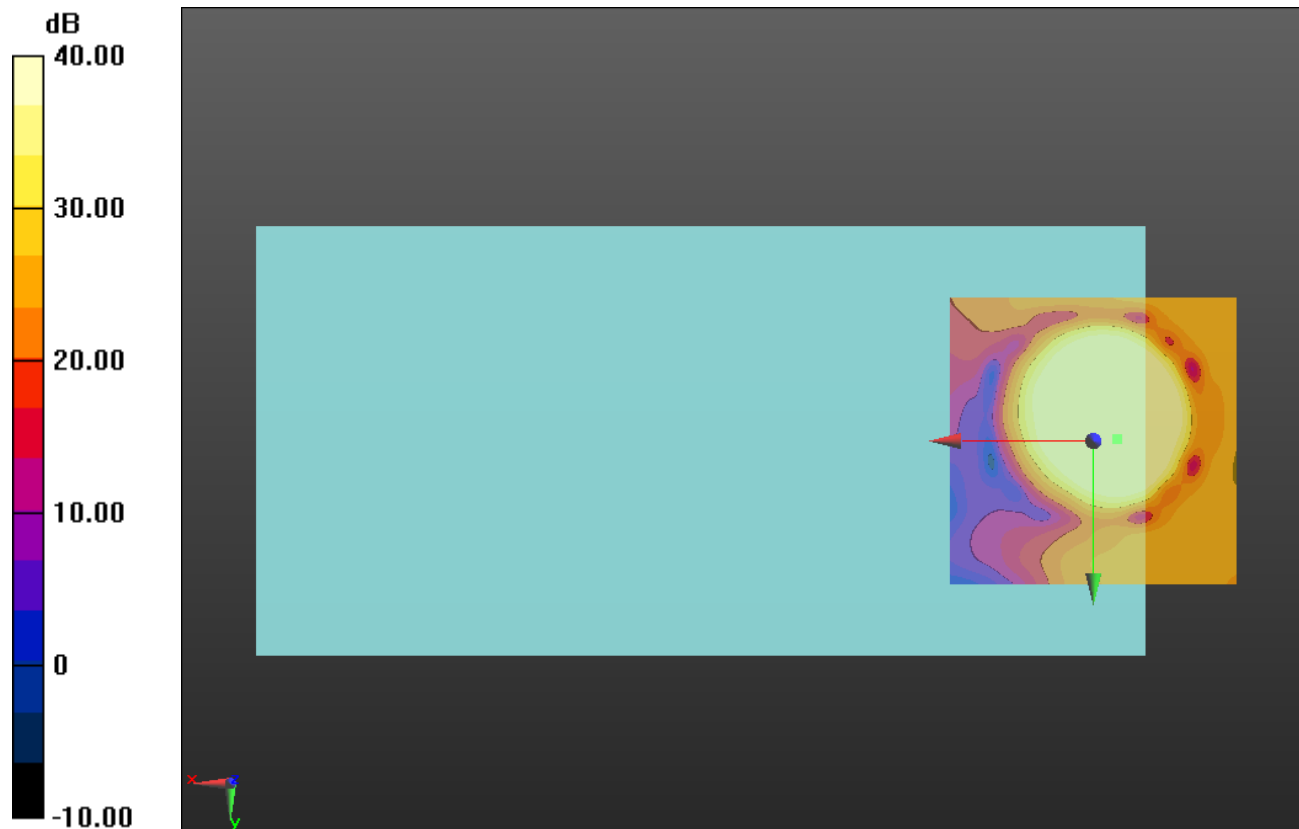
Cursor:

ABM1/ABM2 = 56.72 dB

ABM1 comp = 9.46 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

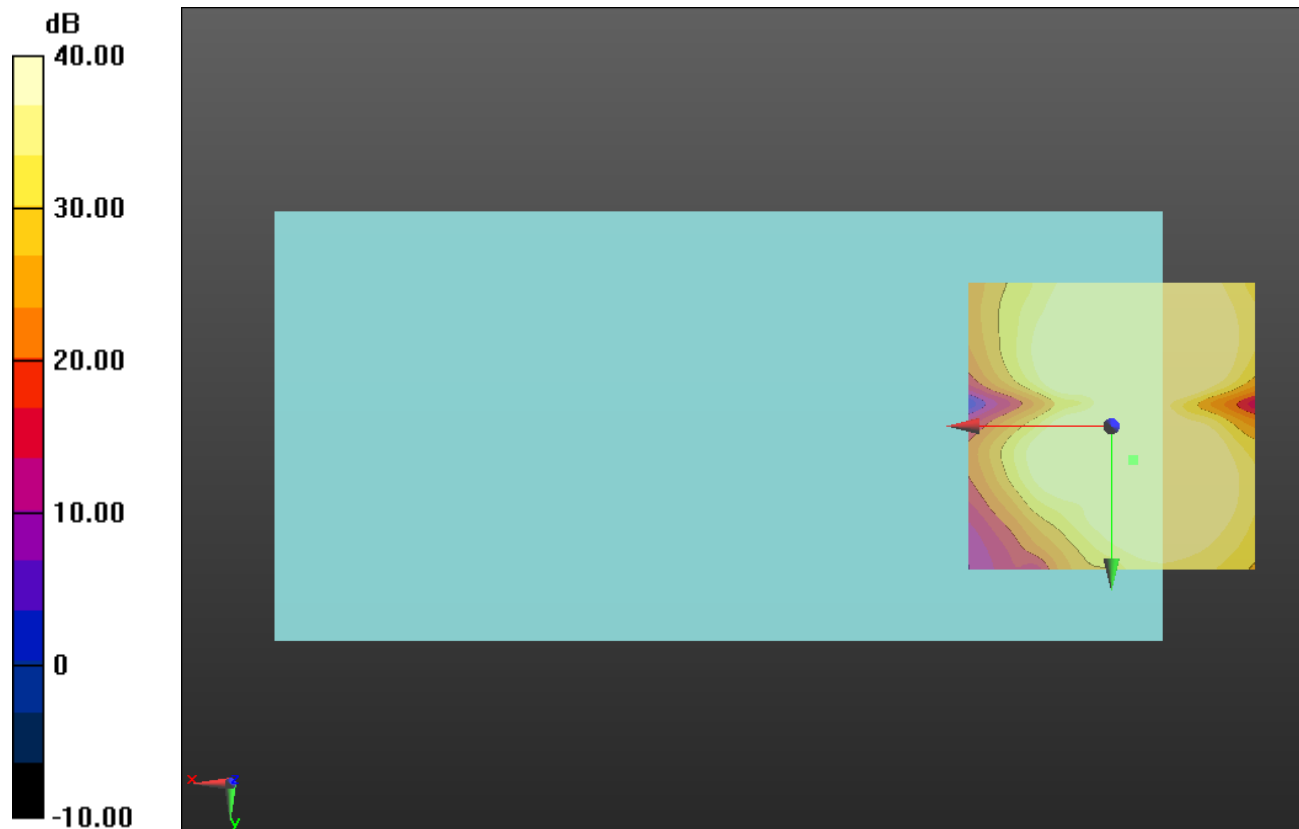
Cursor:

ABM1/ABM2 = 52.92 dB

ABM1 comp = 2.98 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 5.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

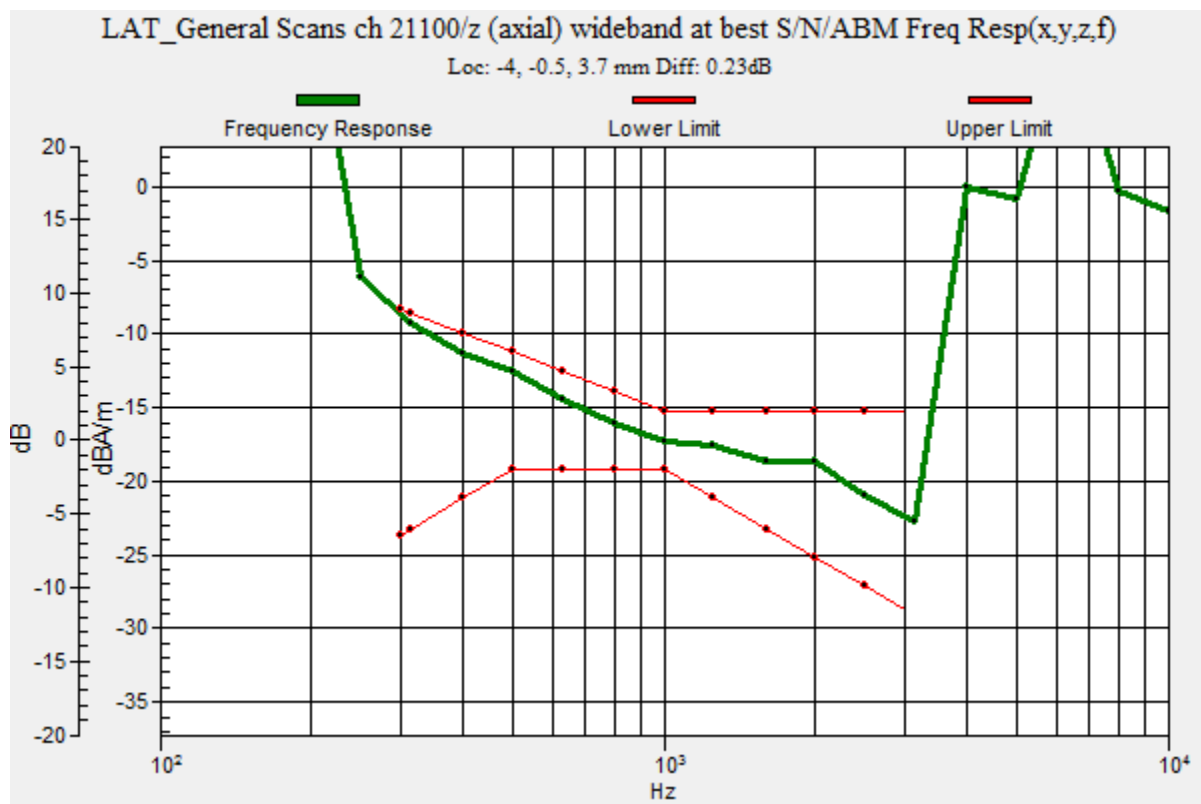
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.23 dB

BWC Factor = 10.80 dB

Location: -4, -0.5, 3.7 mm



LTE Band 7 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

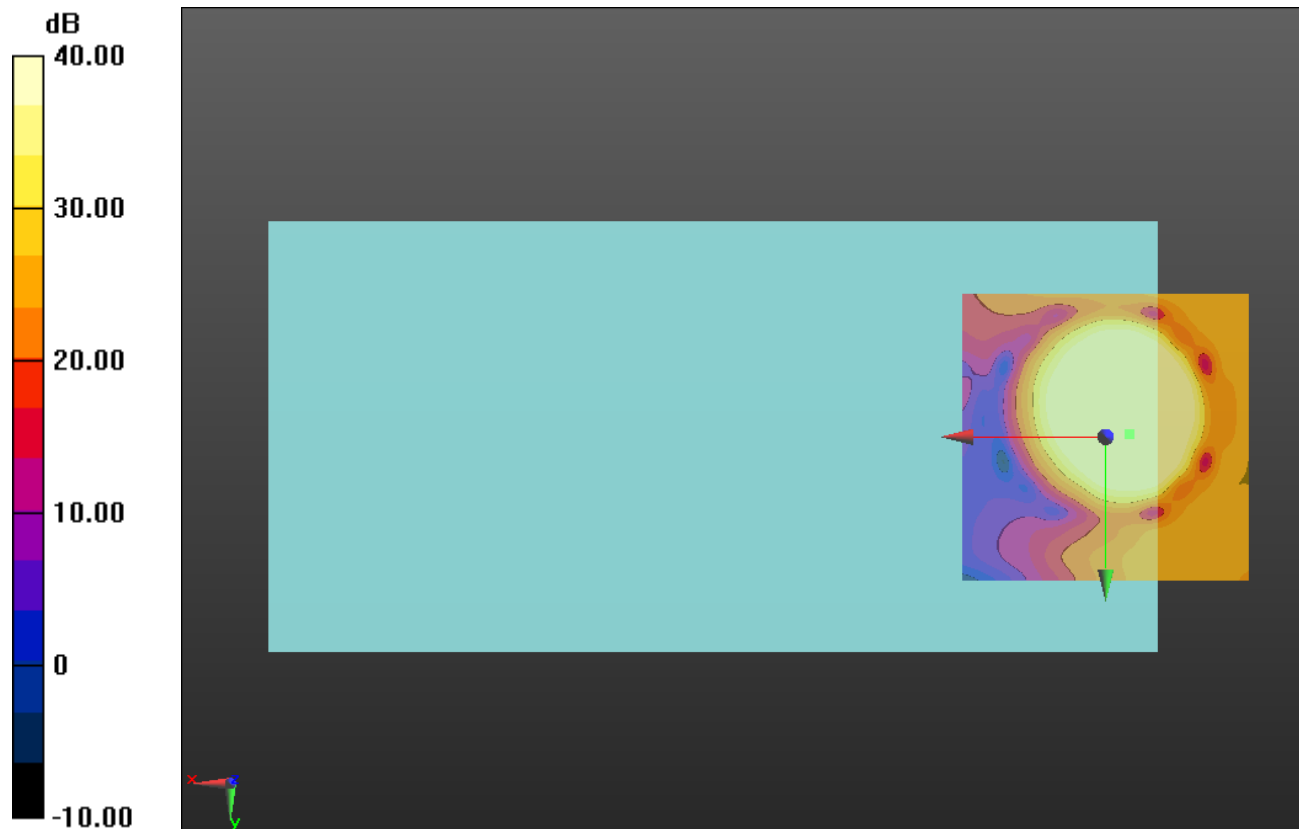
Cursor:

ABM1/ABM2 = 55.69 dB

ABM1 comp = 9.13 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

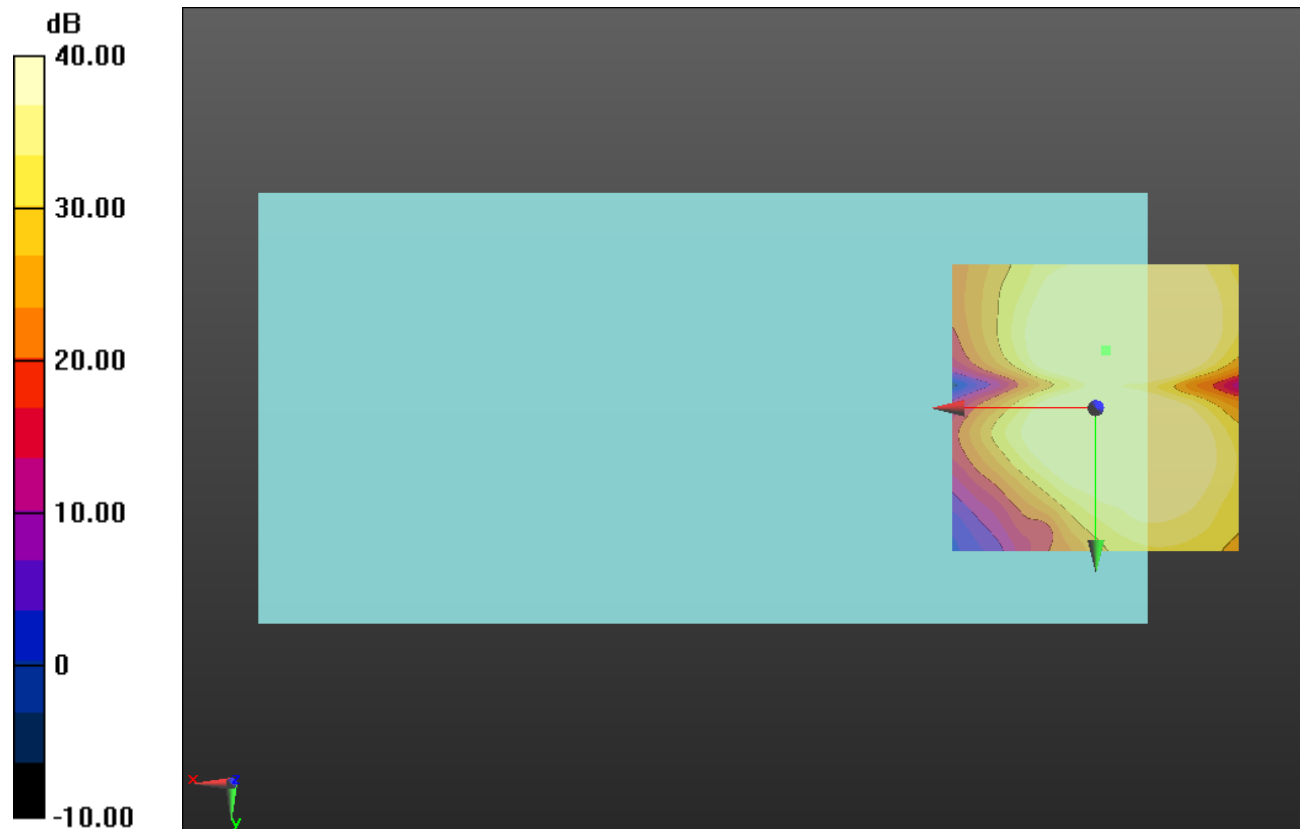
Cursor:

ABM1/ABM2 = 51.55 dB

ABM1 comp = 3.28 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, -10, 3.7 mm



LTE Band 12 Narrowband

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)/LAT_General Scans ch 23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

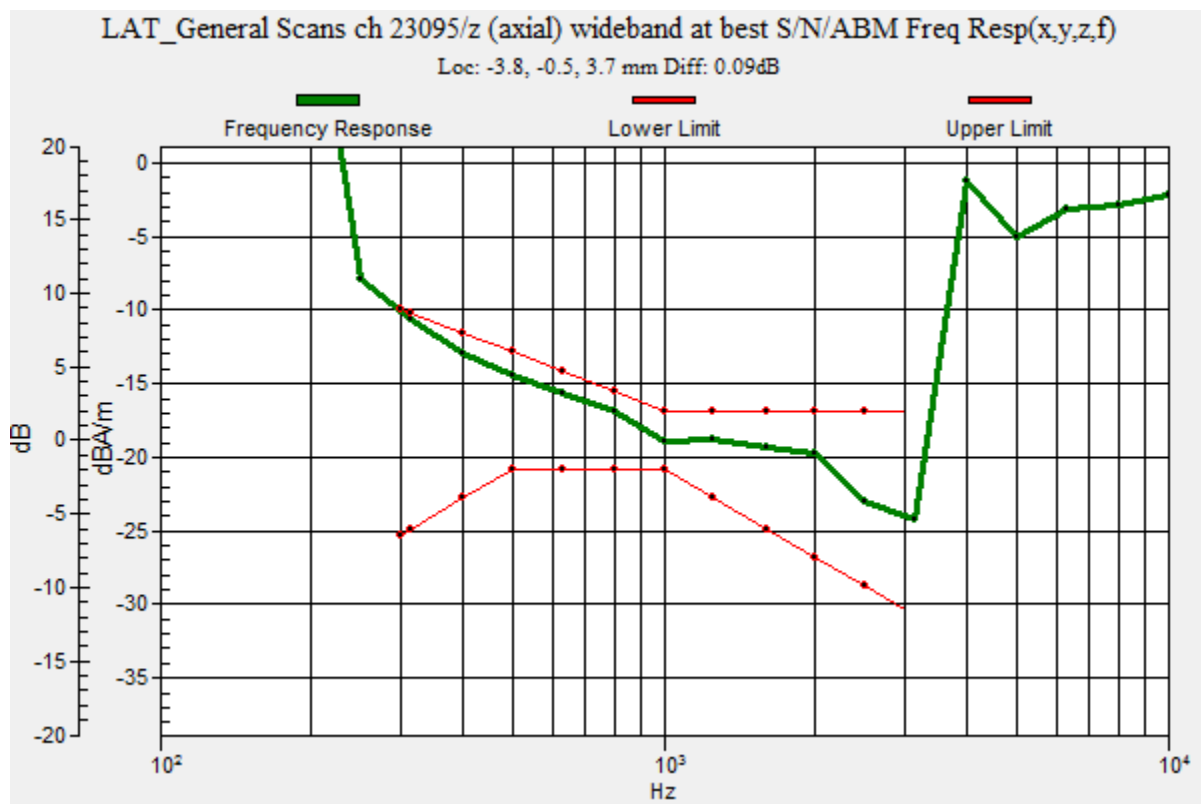
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.09 dB

BWC Factor = 10.80 dB

Location: -3.8, -0.5, 3.7 mm



LTE Band 12 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

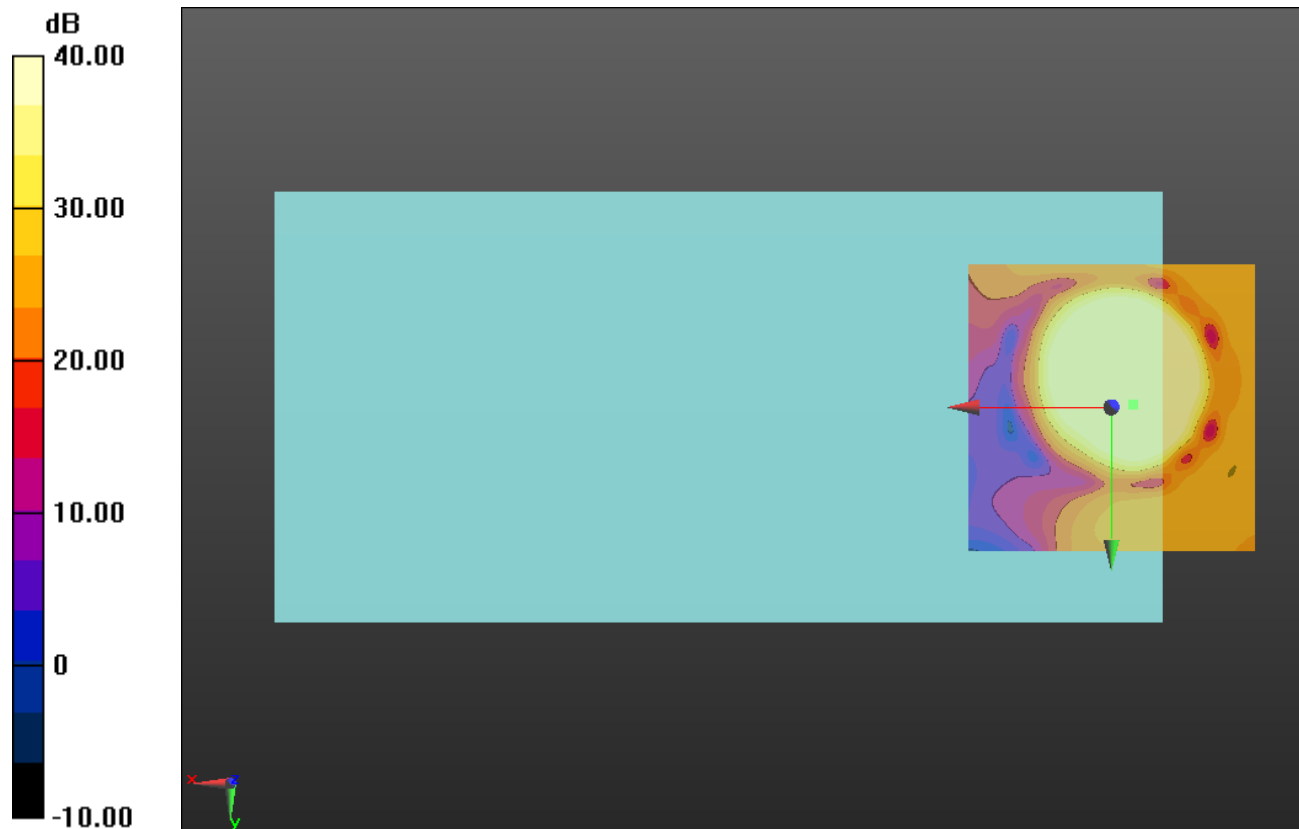
Cursor:

ABM1/ABM2 = 57.50 dB

ABM1 comp = 9.29 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

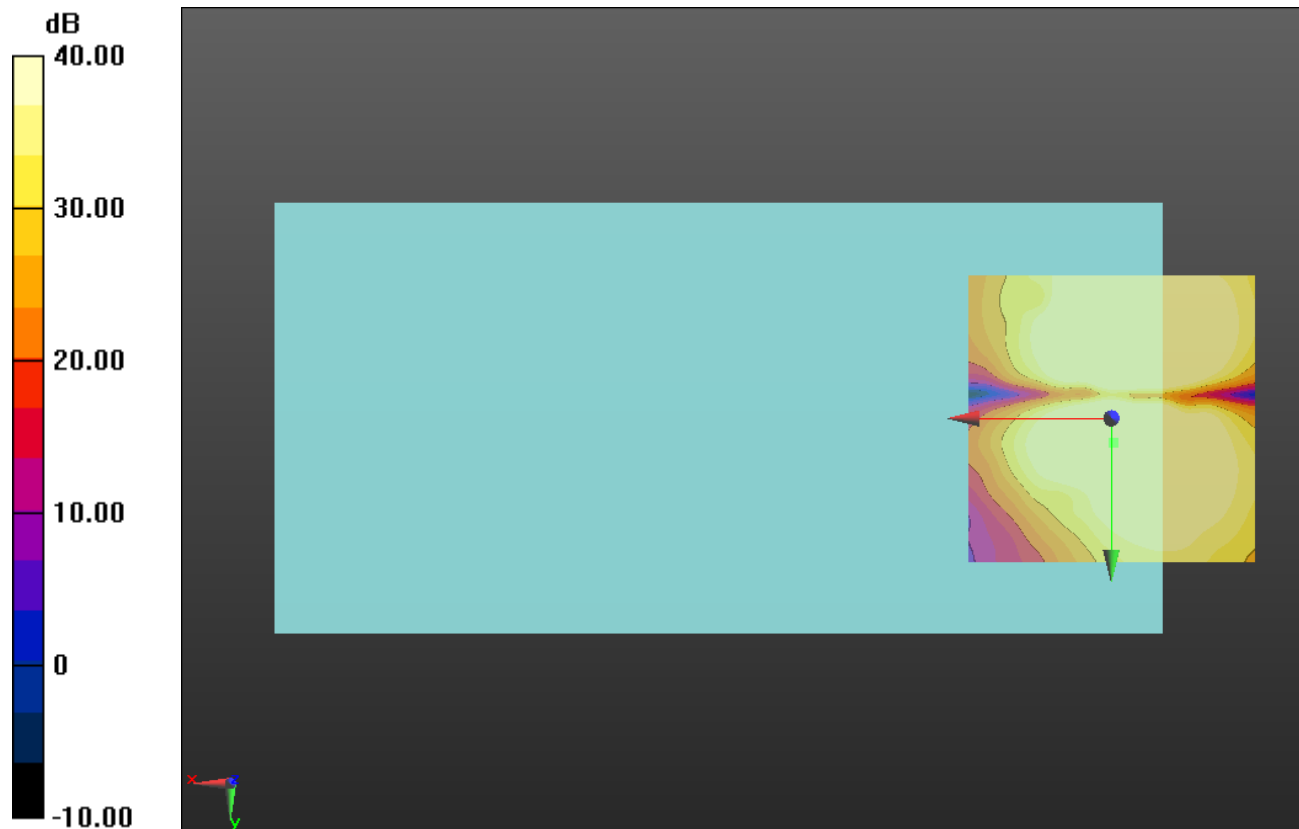
Cursor:

ABM1/ABM2 = 53.50 dB

ABM1 comp = 4.35 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

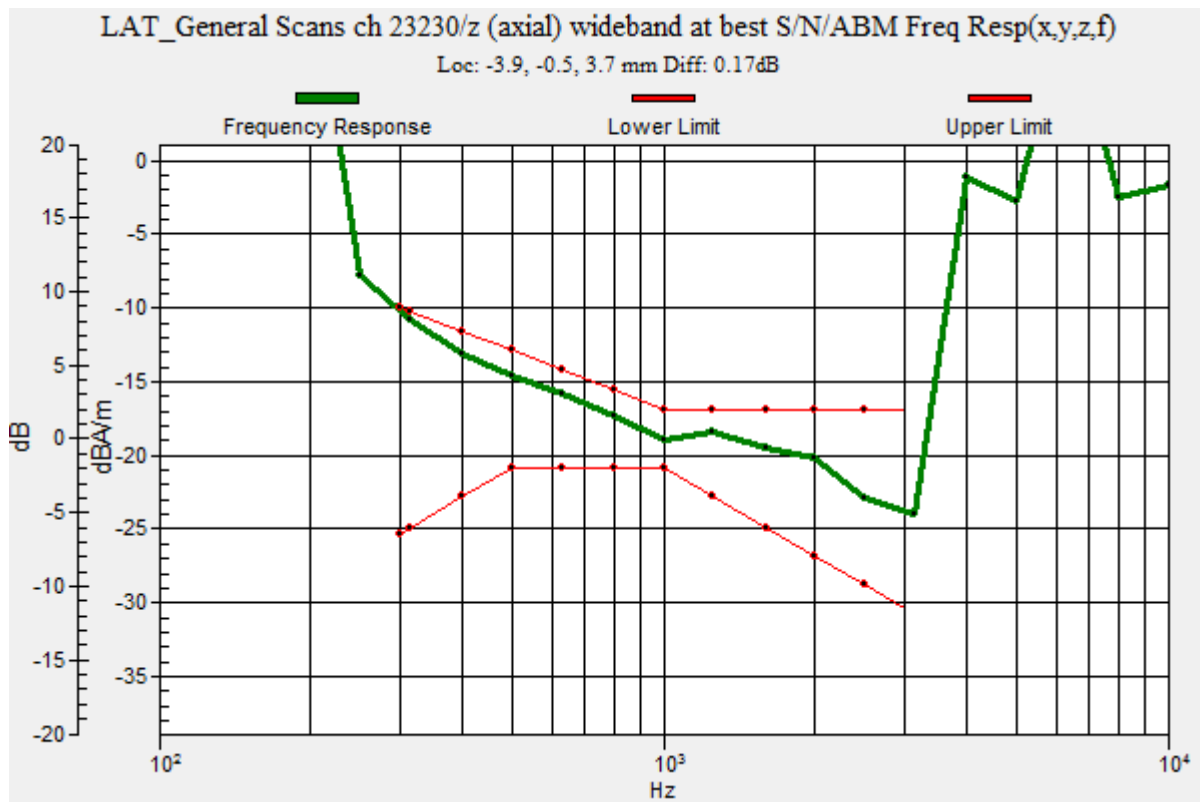
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.17 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.5, 3.7 mm



LTE Band 13 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

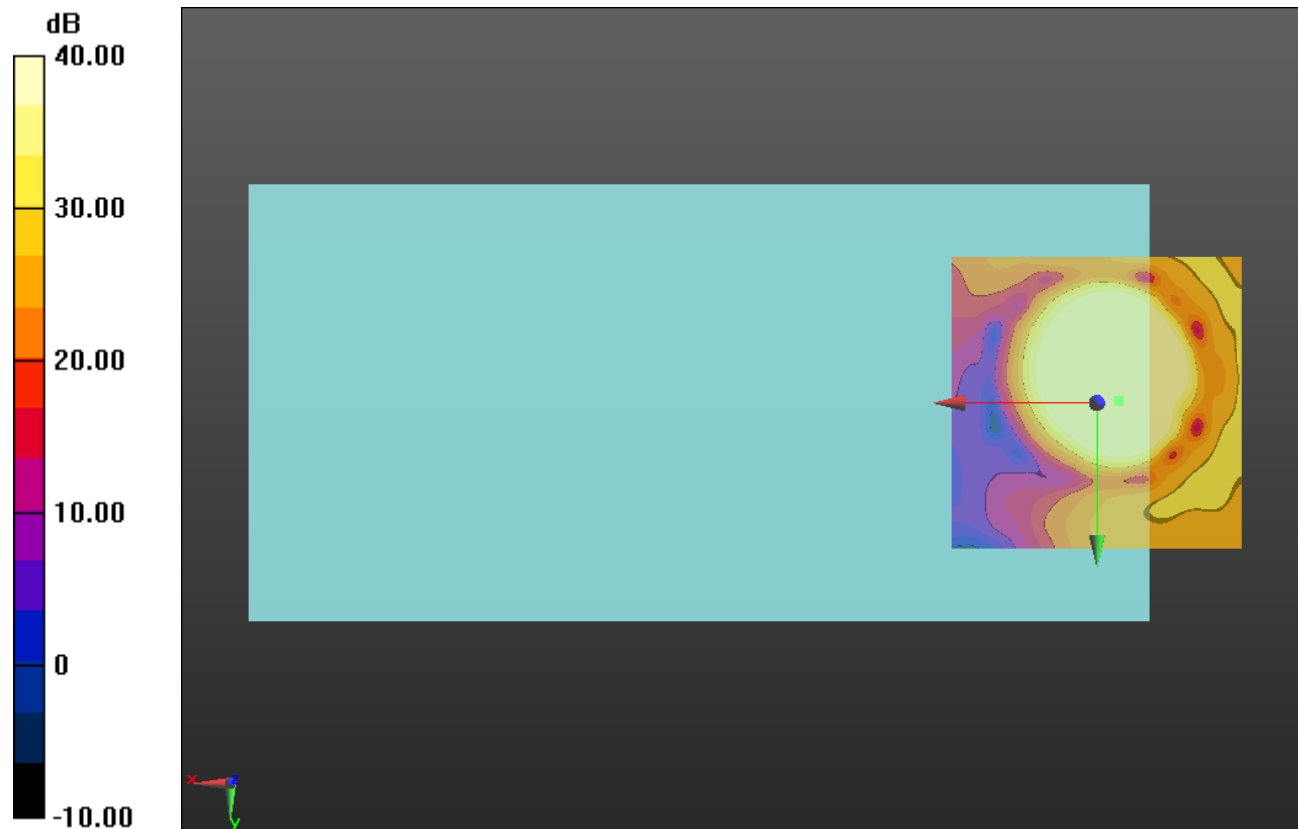
Cursor:

ABM1/ABM2 = 56.77 dB

ABM1 comp = 9.40 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

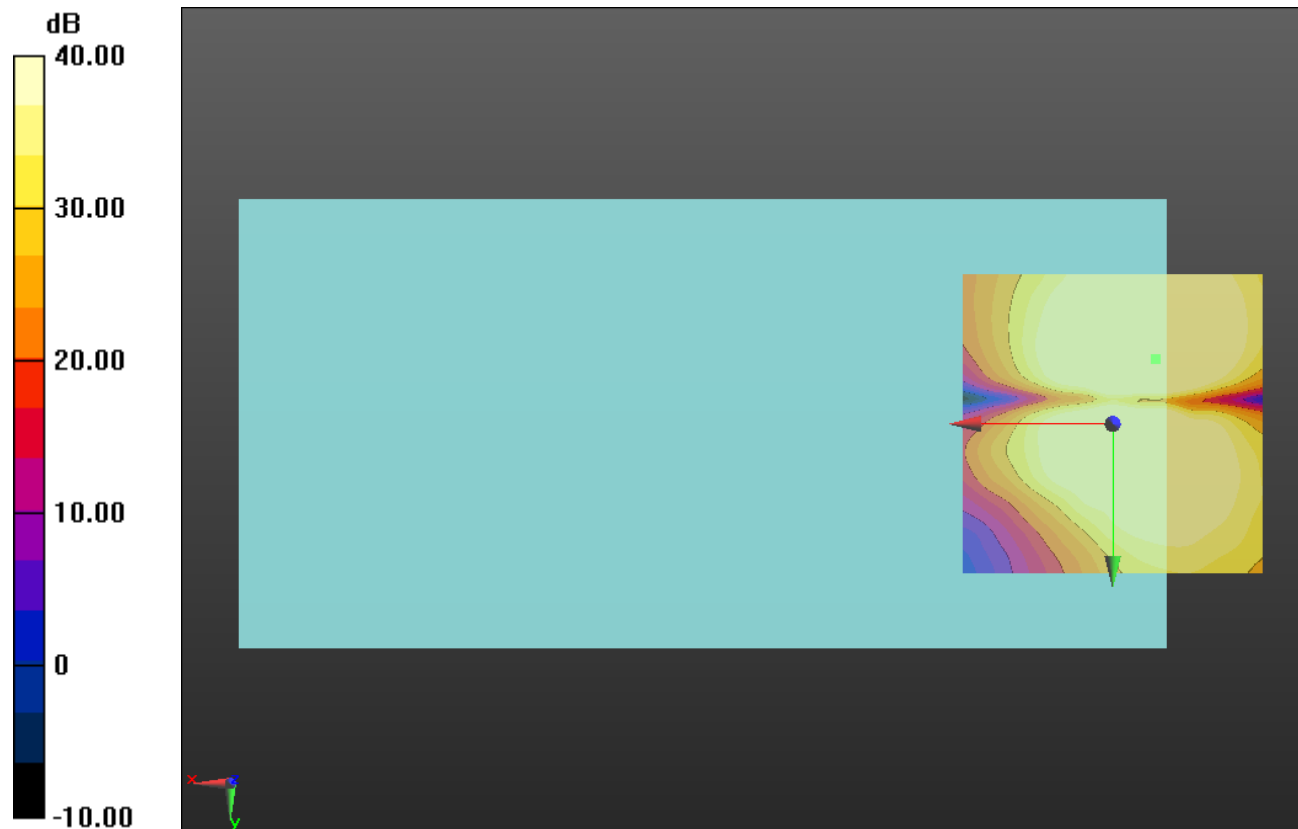
Cursor:

ABM1/ABM2 = 52.09 dB

ABM1 comp = 0.88 dBA/m

BWC Factor = 0.16 dB

Location: -7.1, -10.8, 3.7 mm



LTE Band 17 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23790/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

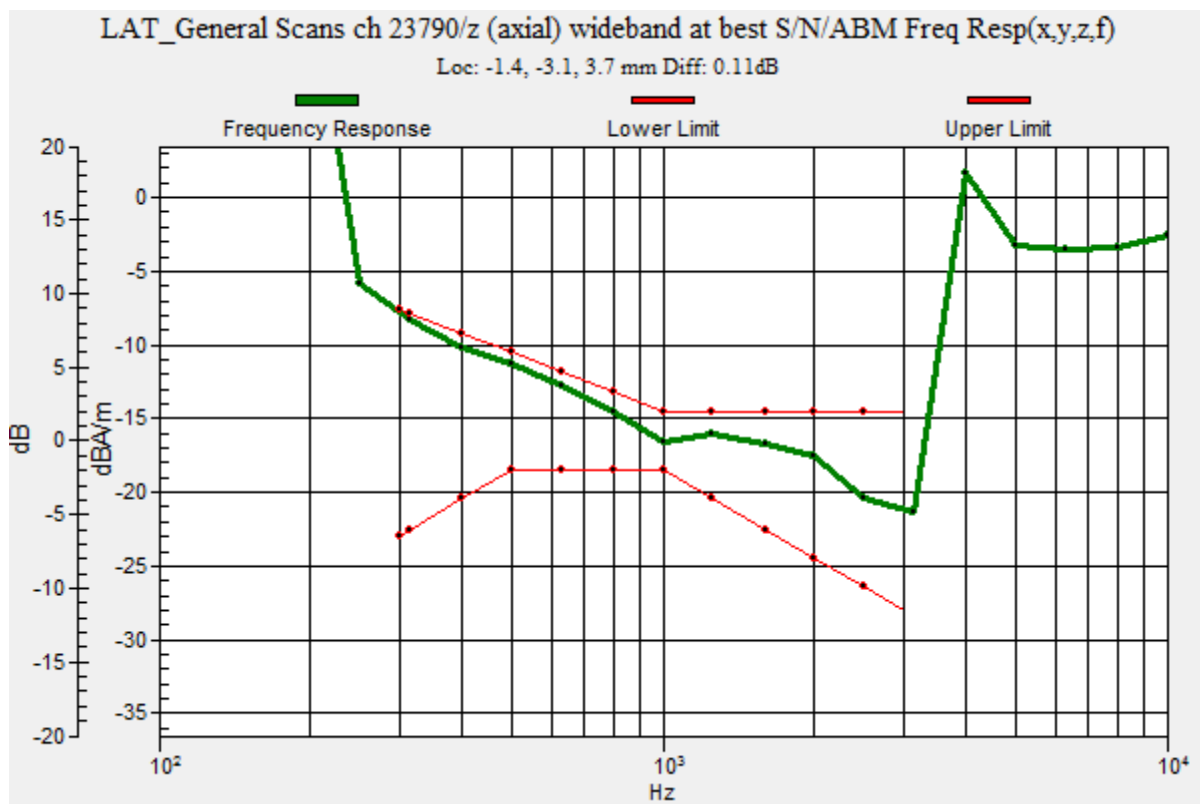
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.11 dB

BWC Factor = 10.80 dB

Location: -1.4, -3.1, 3.7 mm



LTE Band 17 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

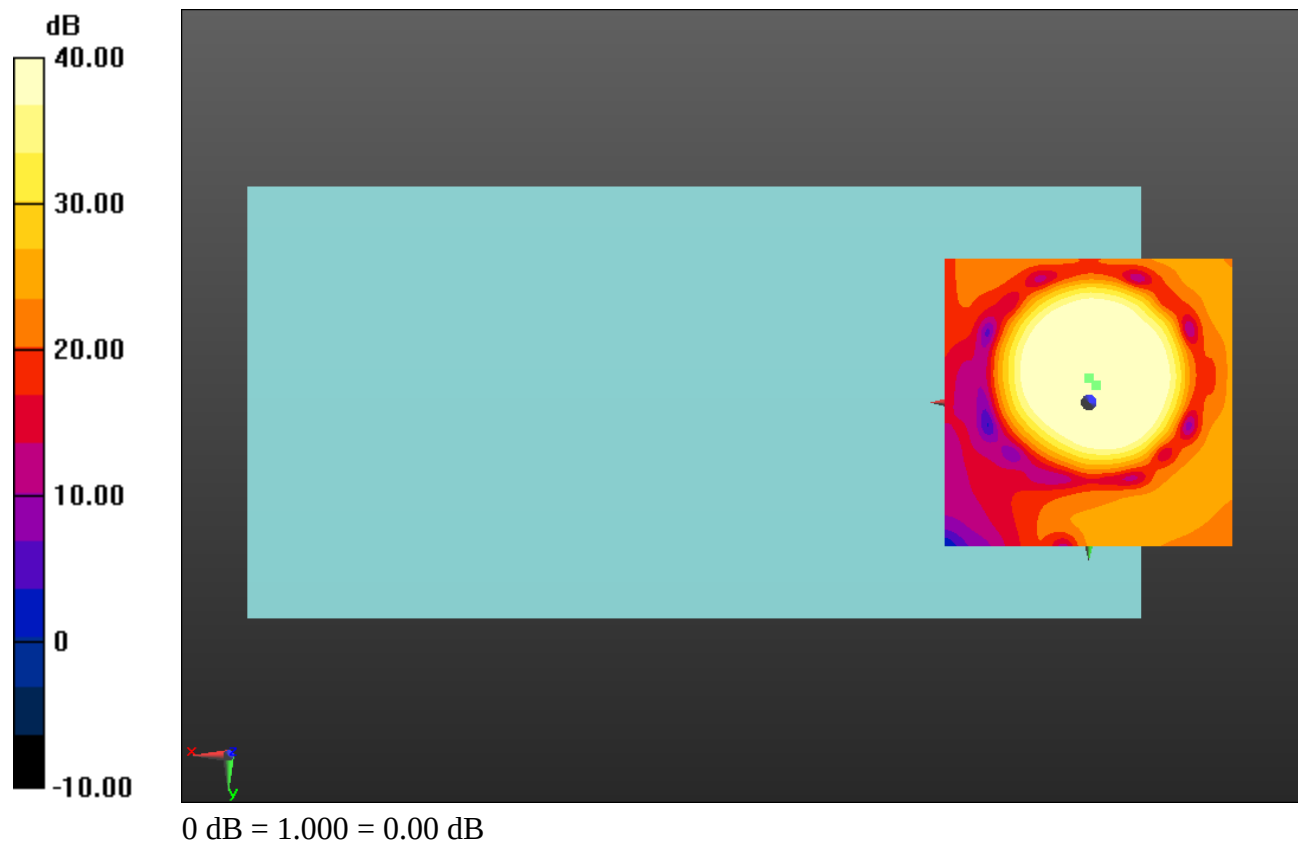
Cursor:

ABM1/ABM2 = 53.76 dB

ABM1 comp = 12.09 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -2.9, 3.7 mm



LTE Band 17 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

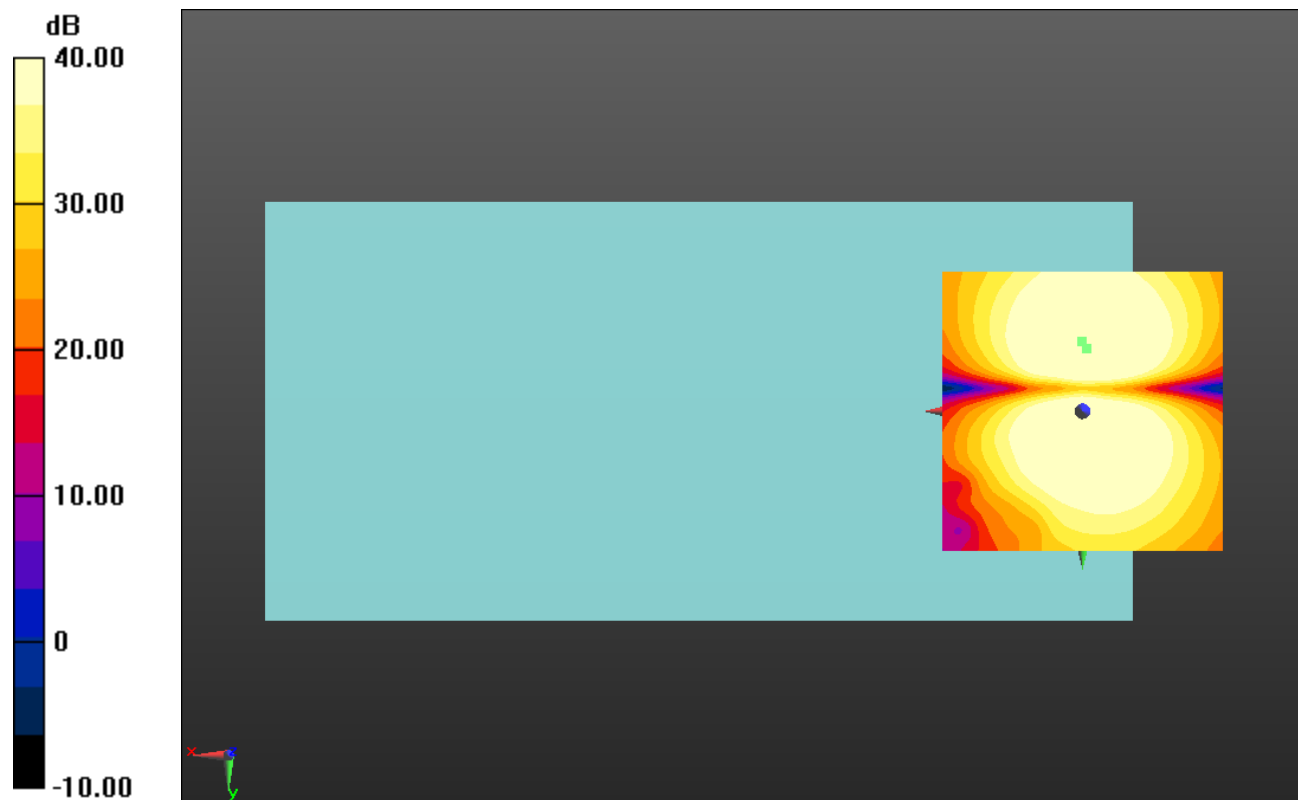
Cursor:

ABM1/ABM2 = 48.63 dB

ABM1 comp = 3.77 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -11.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26365/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

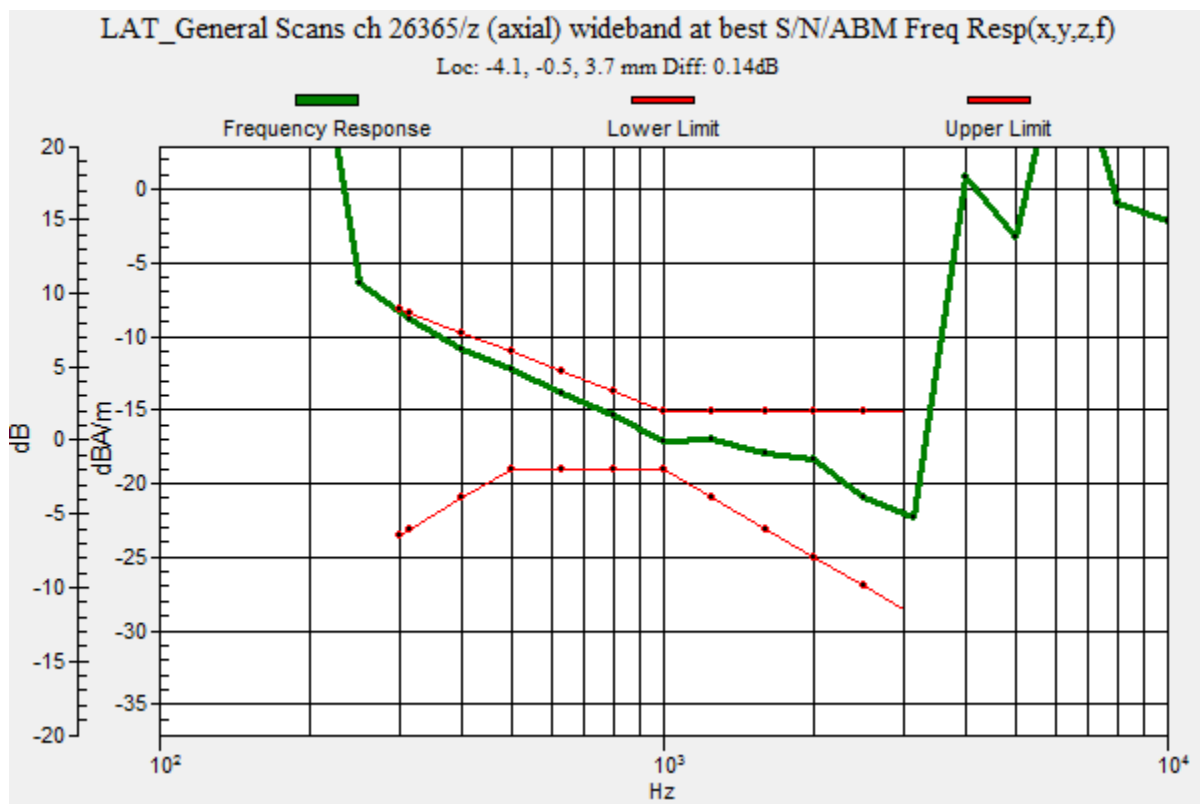
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.14 dB

BWC Factor = 10.80 dB

Location: -4.1, -0.5, 3.7 mm



LTE Band 25 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

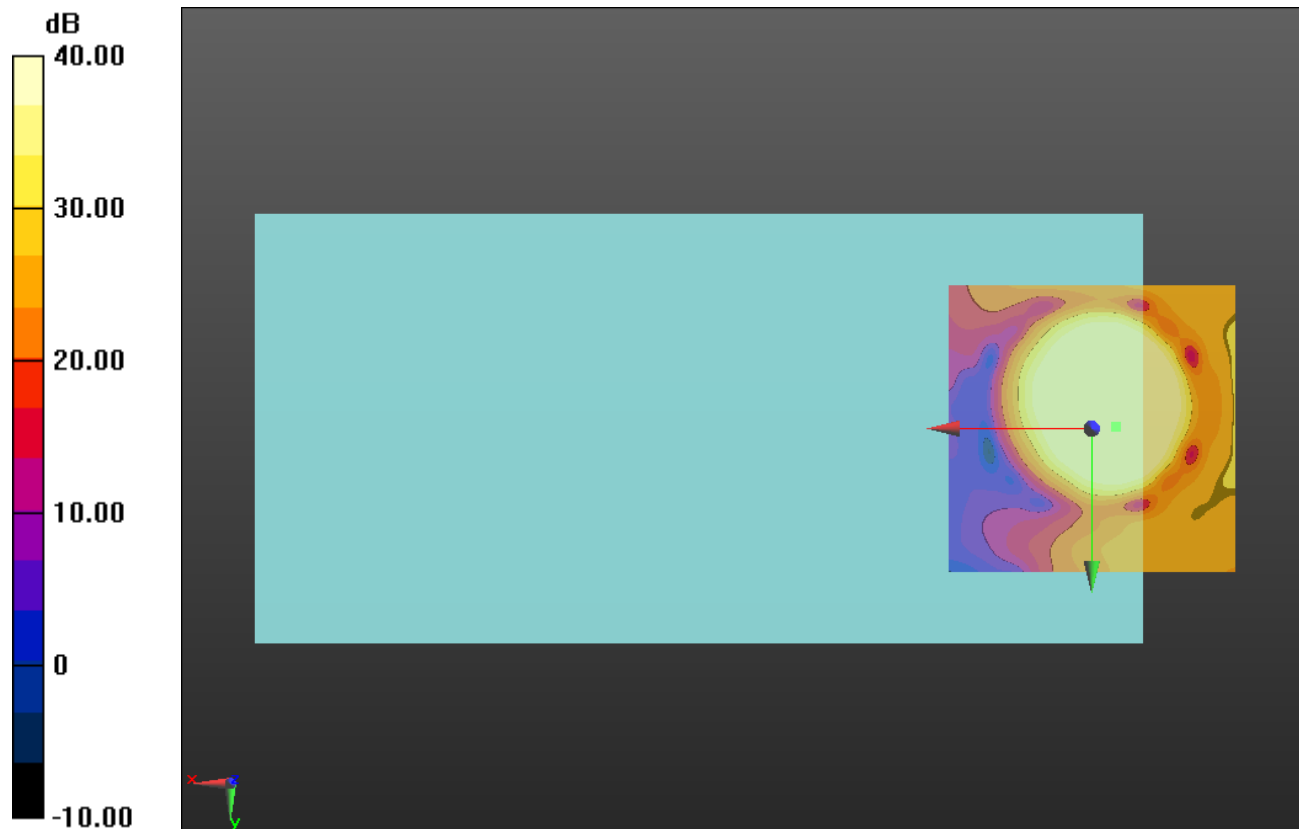
Cursor:

ABM1/ABM2 = 55.90 dB

ABM1 comp = 9.33 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

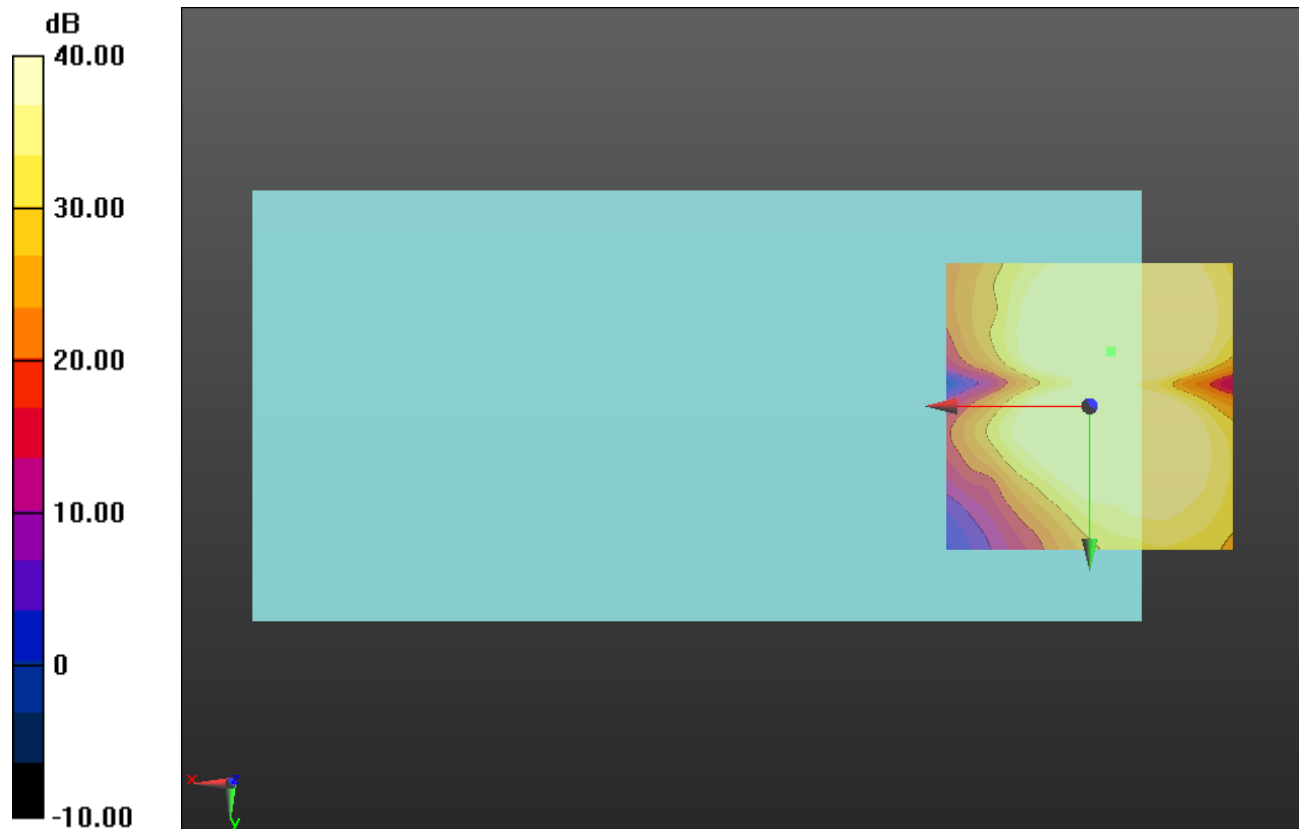
Cursor:

ABM1/ABM2 = 52.55 dB

ABM1 comp = 2.53 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

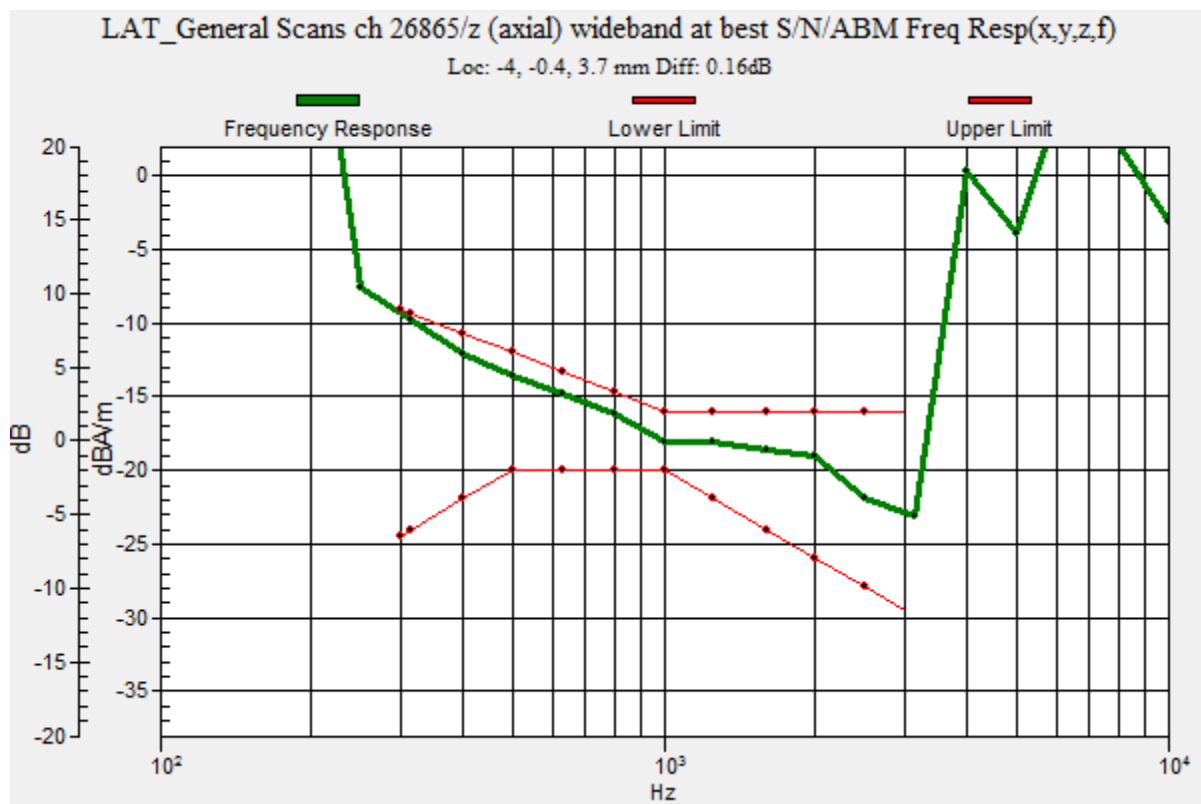
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.16 dB

BWC Factor = 10.80 dB

Location: -4, -0.4, 3.7 mm



LTE Band 26 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

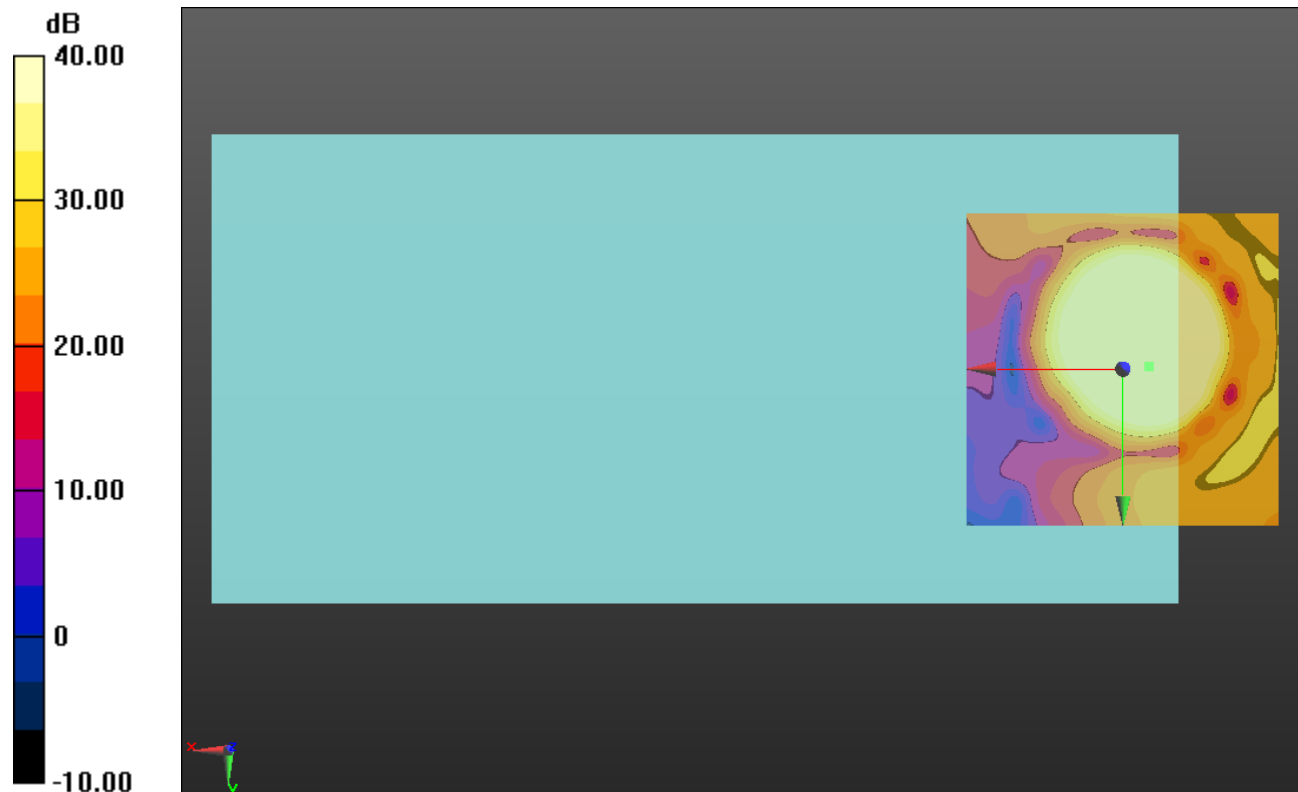
Cursor:

ABM1/ABM2 = 57.45 dB

ABM1 comp = 10.35 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.4, 3.7 mm



LTE Band 26 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

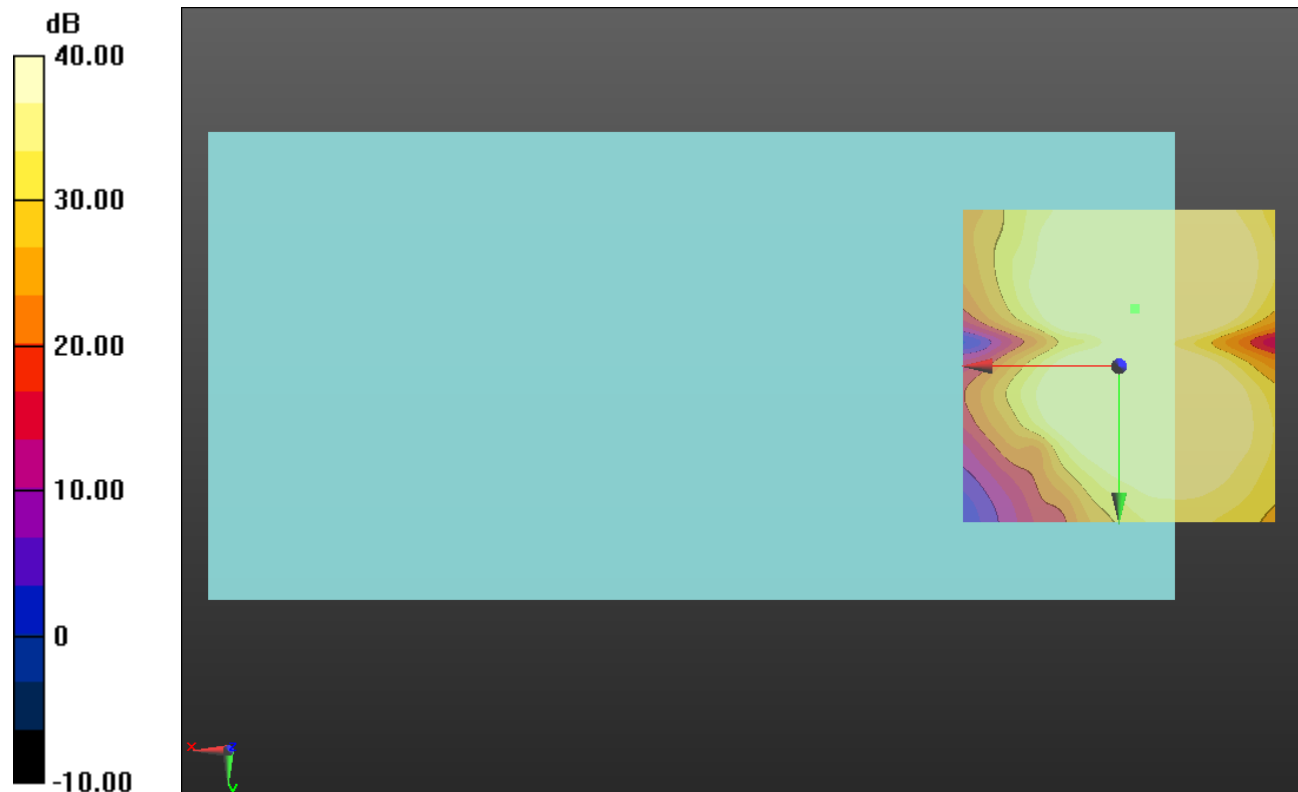
Cursor:

ABM1/ABM2 = 53.06 dB

ABM1 comp = 4.02 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27125/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

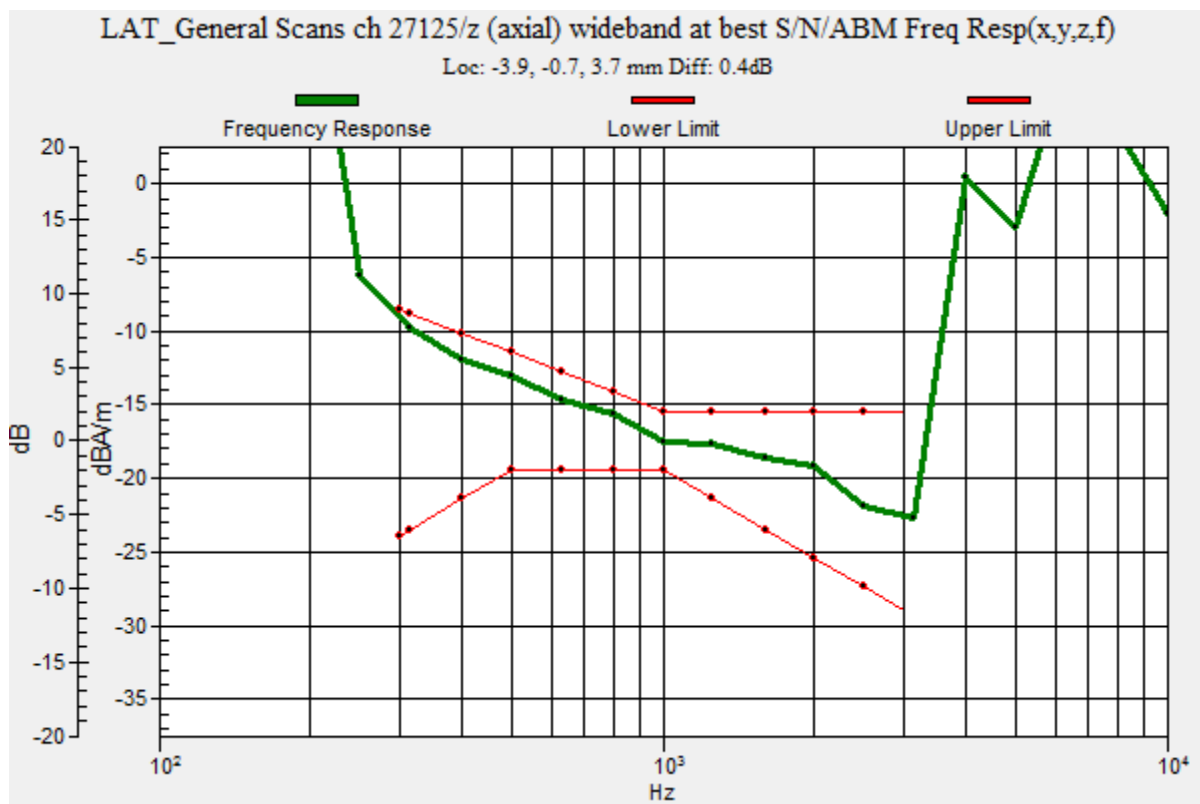
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.40 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.7, 3.7 mm



LTE Band 27 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

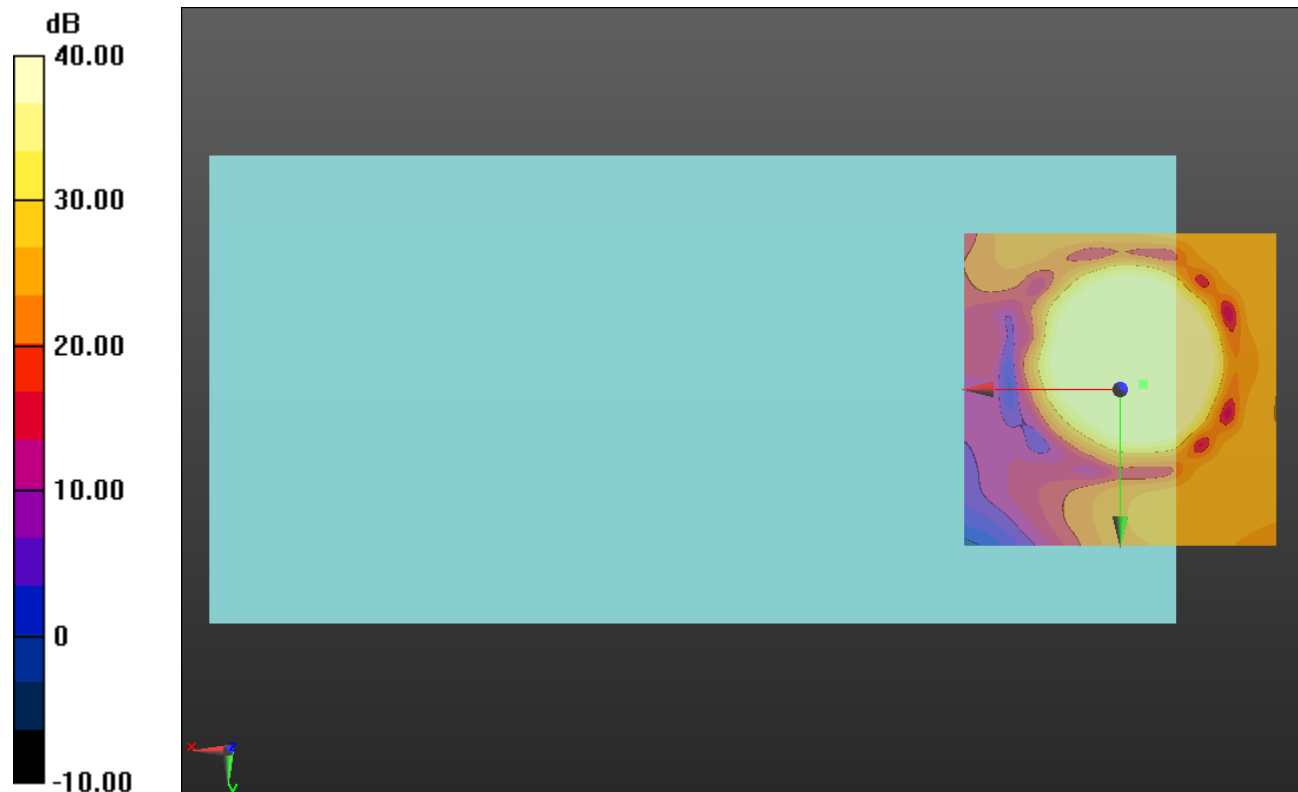
Cursor:

ABM1/ABM2 = 57.28 dB

ABM1 comp = 10.62 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.8, 3.7 mm



LTE Band 27 Narrowband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

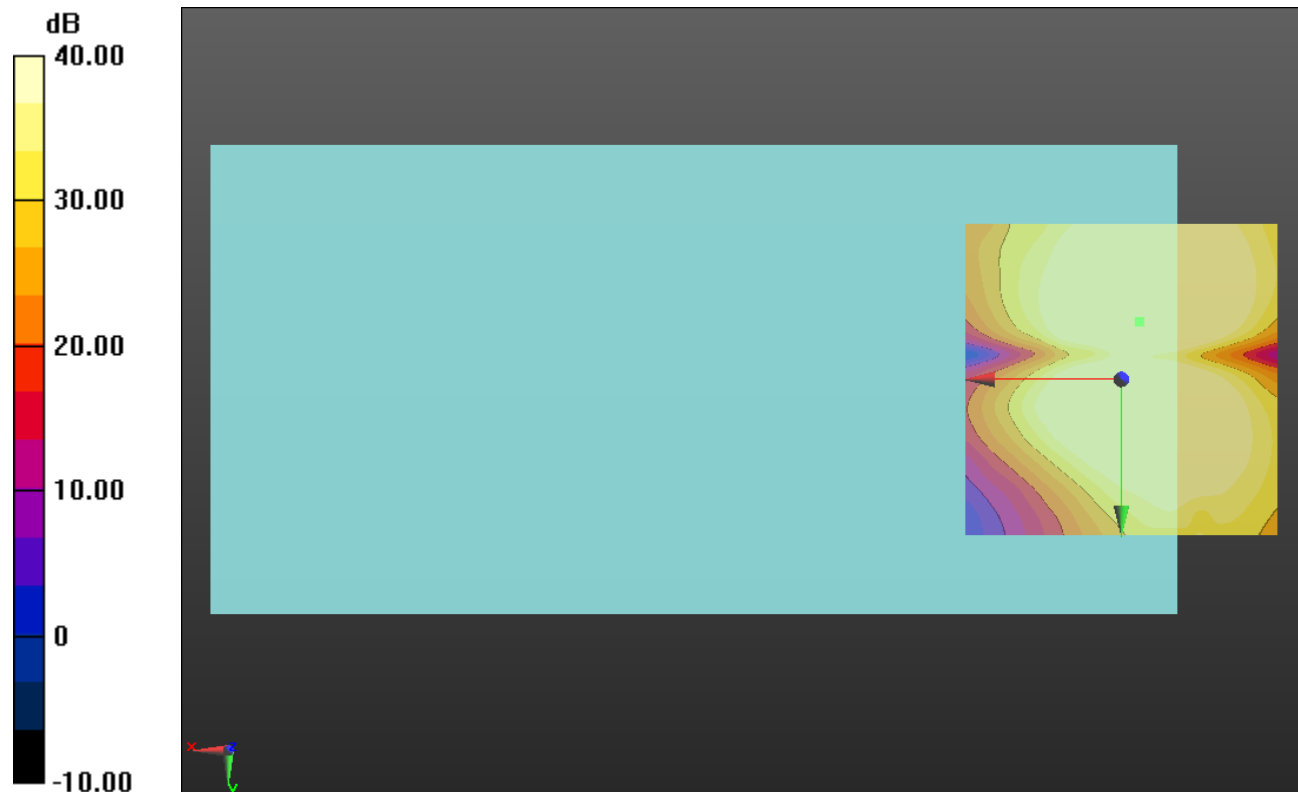
Cursor:

ABM1/ABM2 = 52.85 dB

ABM1 comp = 3.78 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -9.2, 3.7 mm



LTE Band 30 Narrowband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

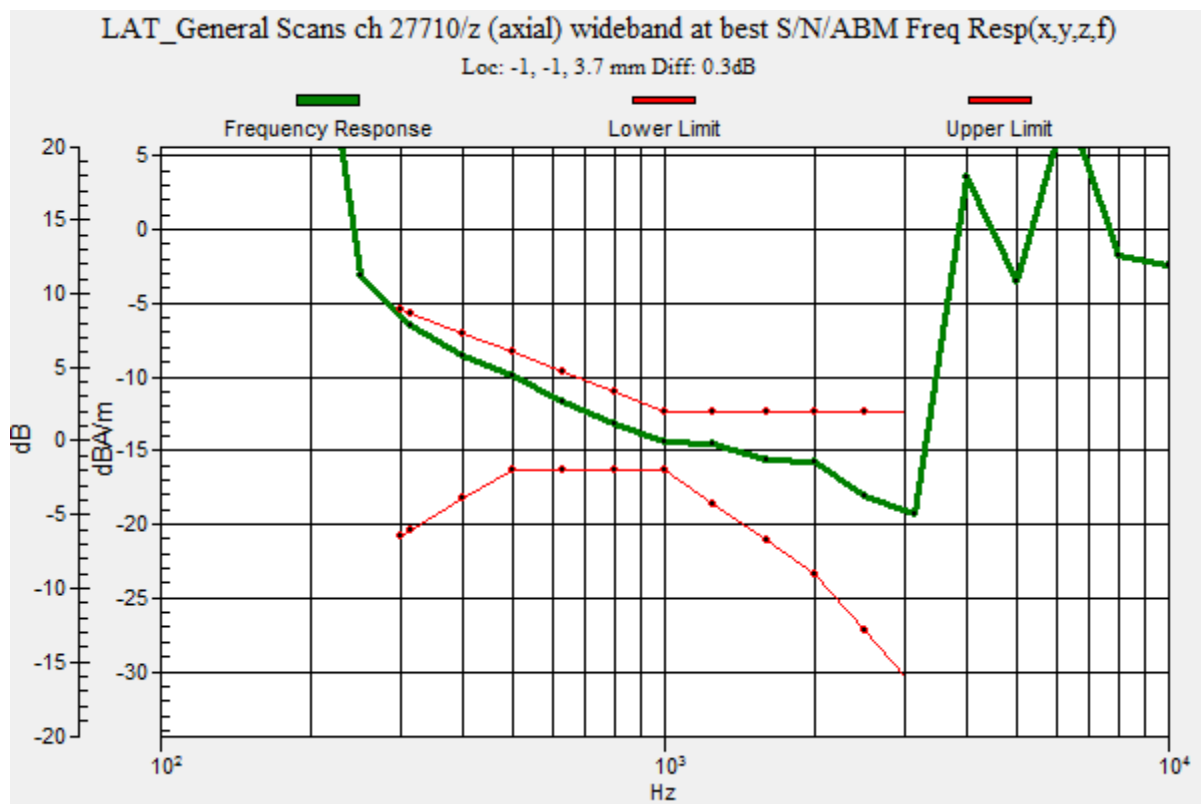
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.30 dB

BWC Factor = 10.81 dB

Location: -1, -1, 3.7 mm



LTE Band 30 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

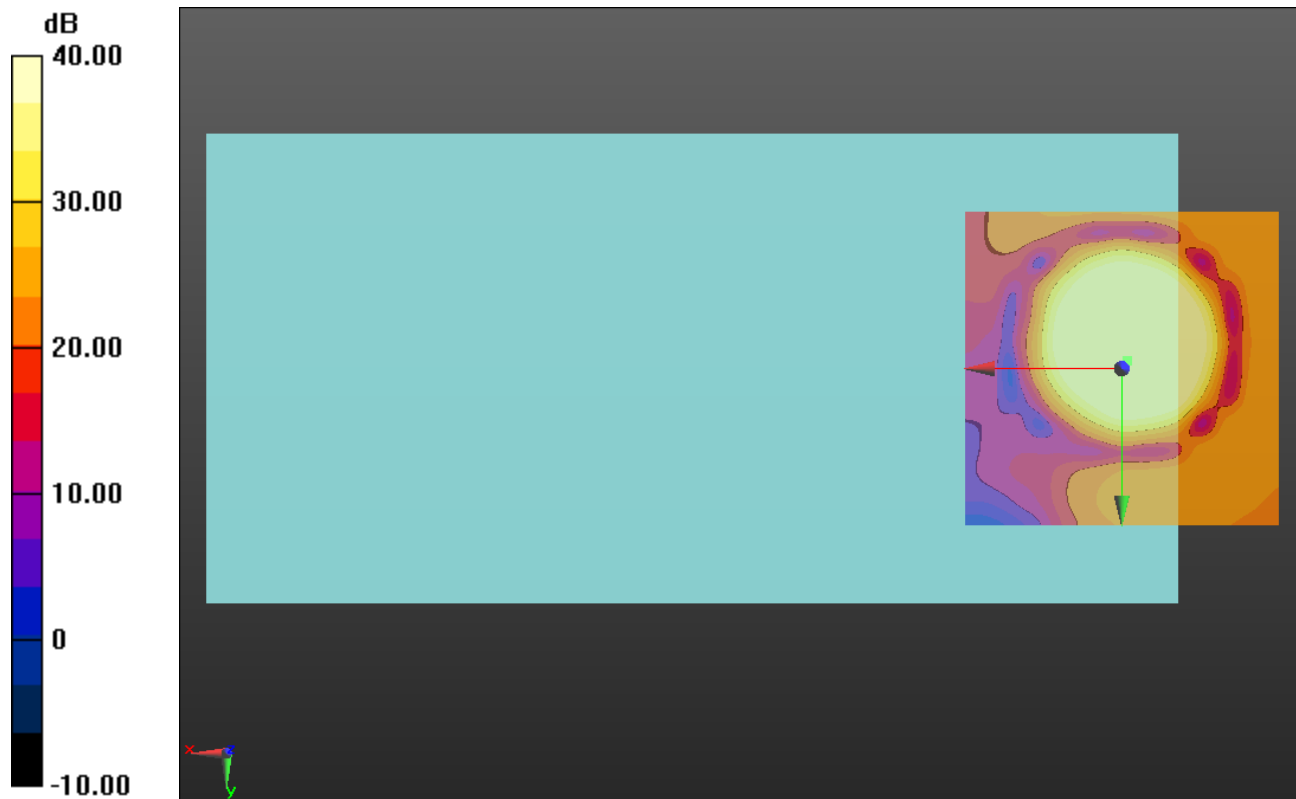
Cursor:

ABM1/ABM2 = 53.72 dB

ABM1 comp = 12.51 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -1.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

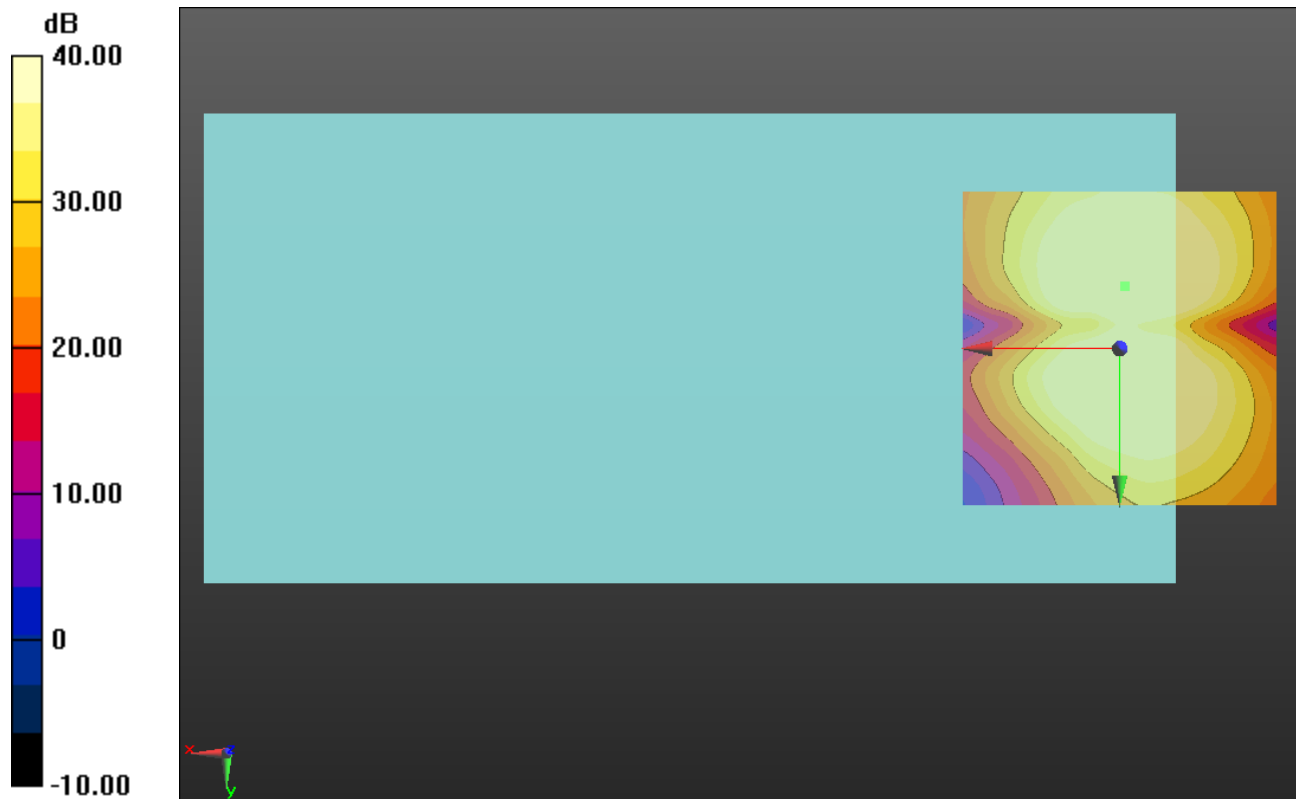
Cursor:

ABM1/ABM2 = 48.81 dB

ABM1 comp = 4.02 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Narrowband

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)/LAT_General Scans ch 40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

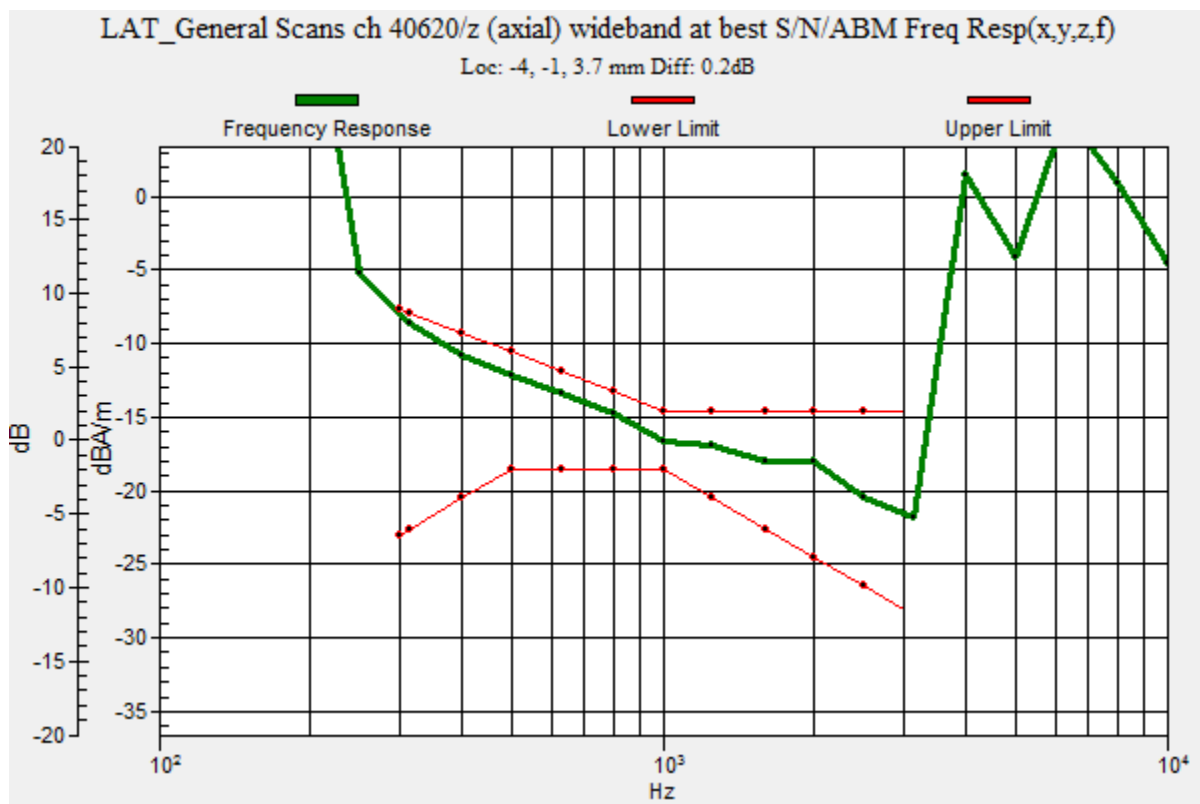
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.20 dB

BWC Factor = 10.80 dB

Location: -4, -1, 3.7 mm



LTE Band 41 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

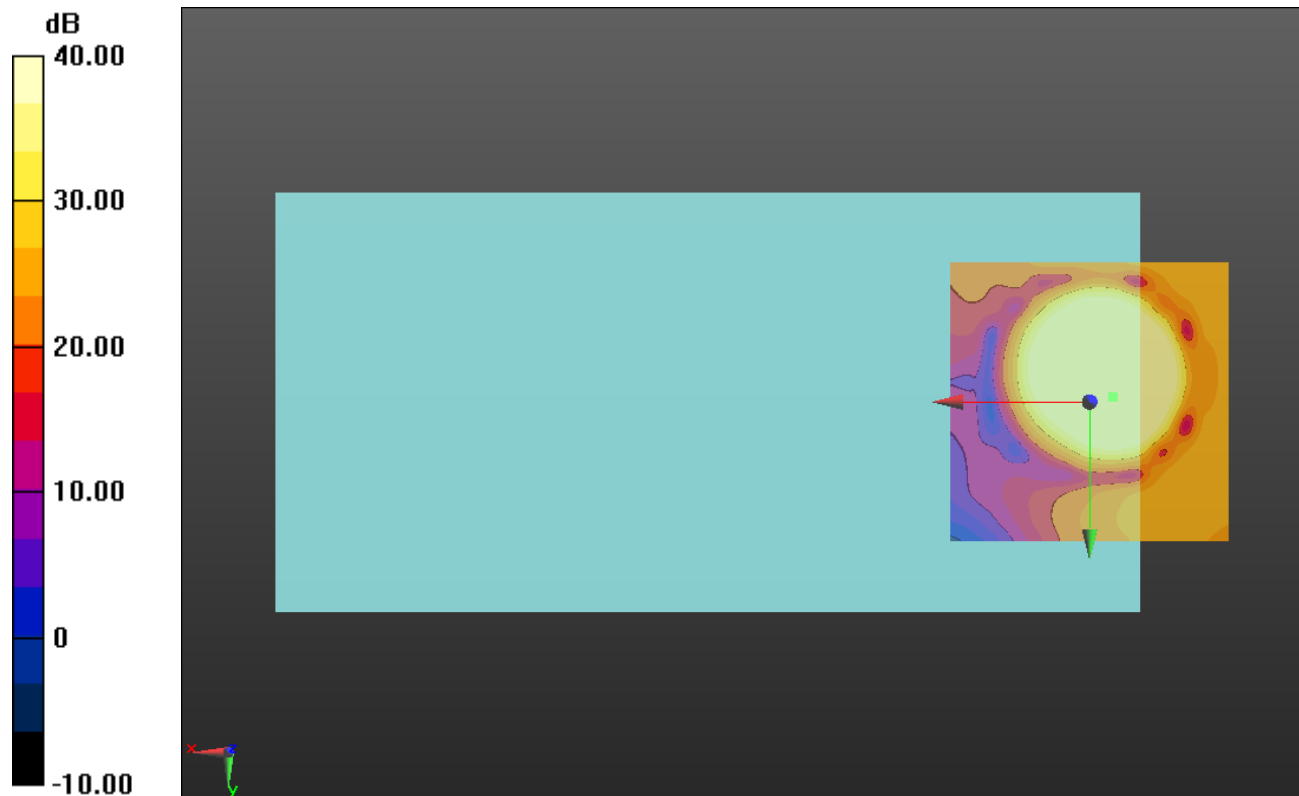
Cursor:

ABM1/ABM2 = 56.53 dB

ABM1 comp = 9.78 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/26/2016
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1380; Calibrated: 7/13/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

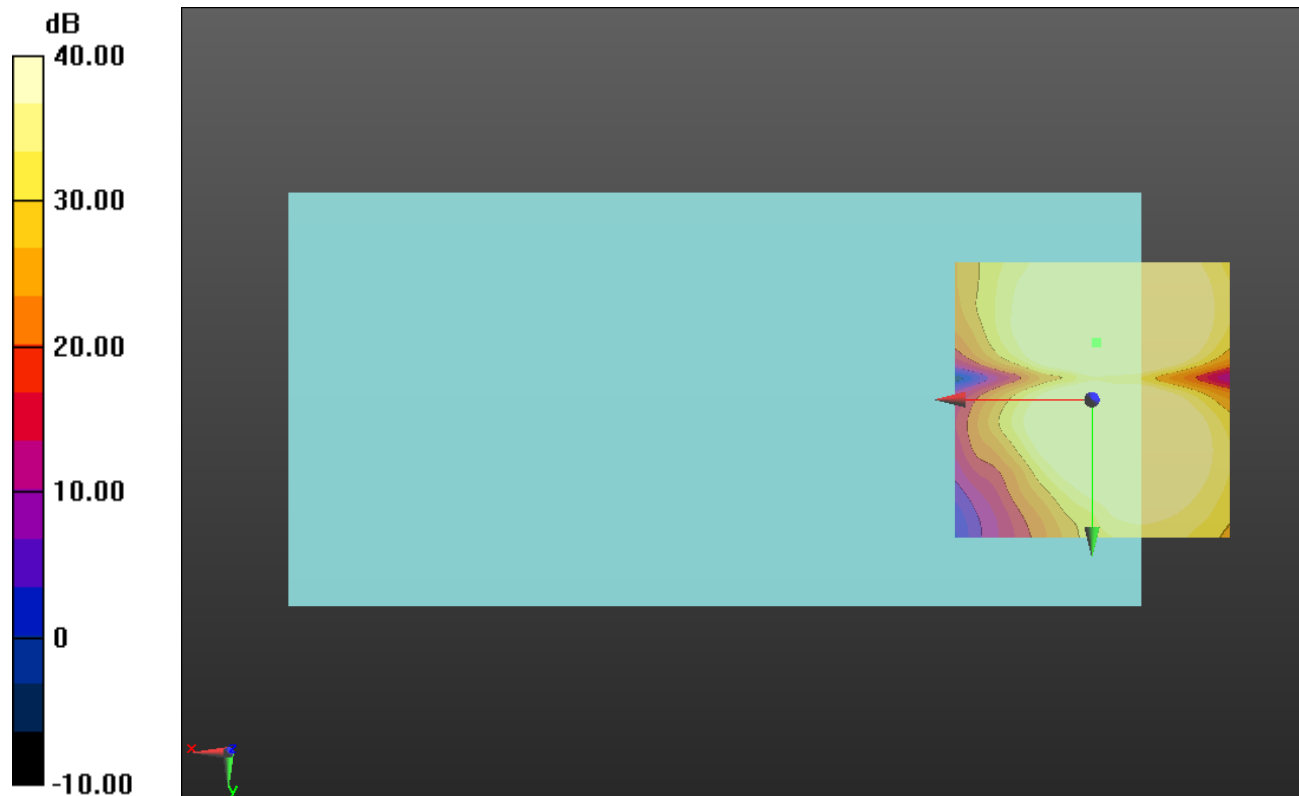
Cursor:

ABM1/ABM2 = 52.78 dB

ABM1 comp = 3.80 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -10.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

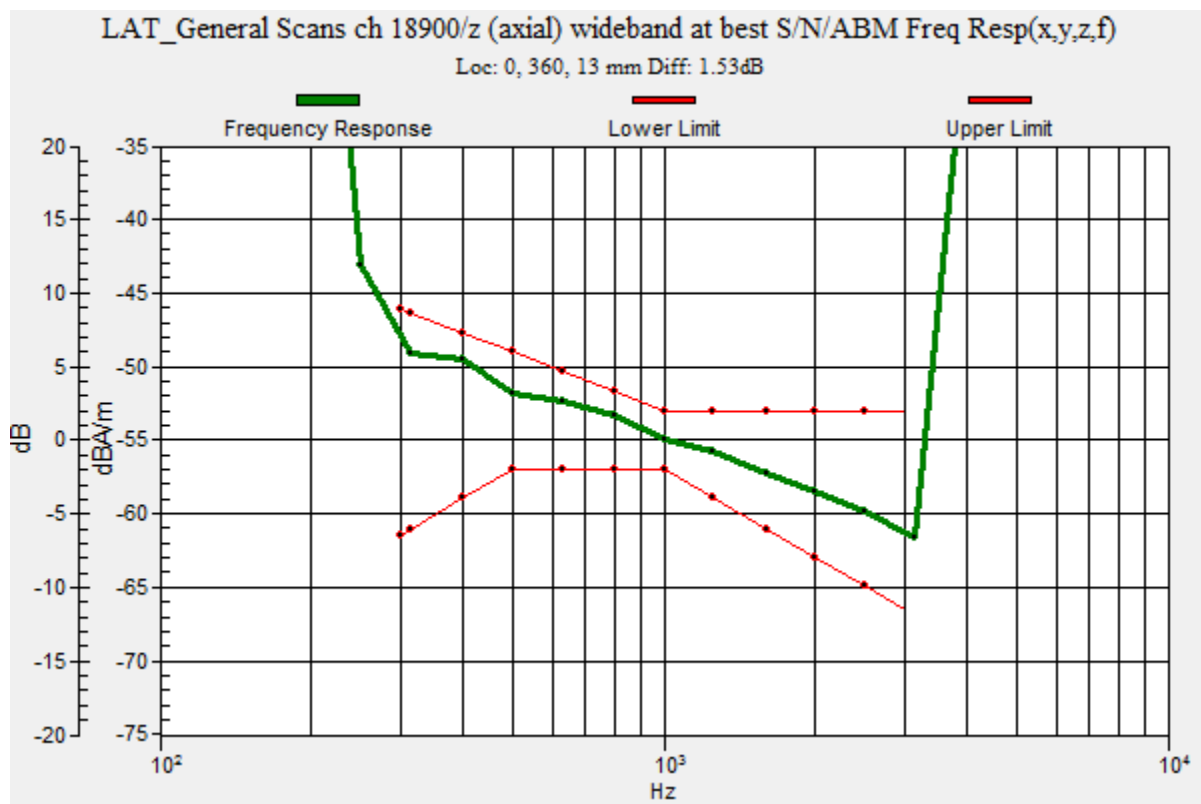
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.53 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 2 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

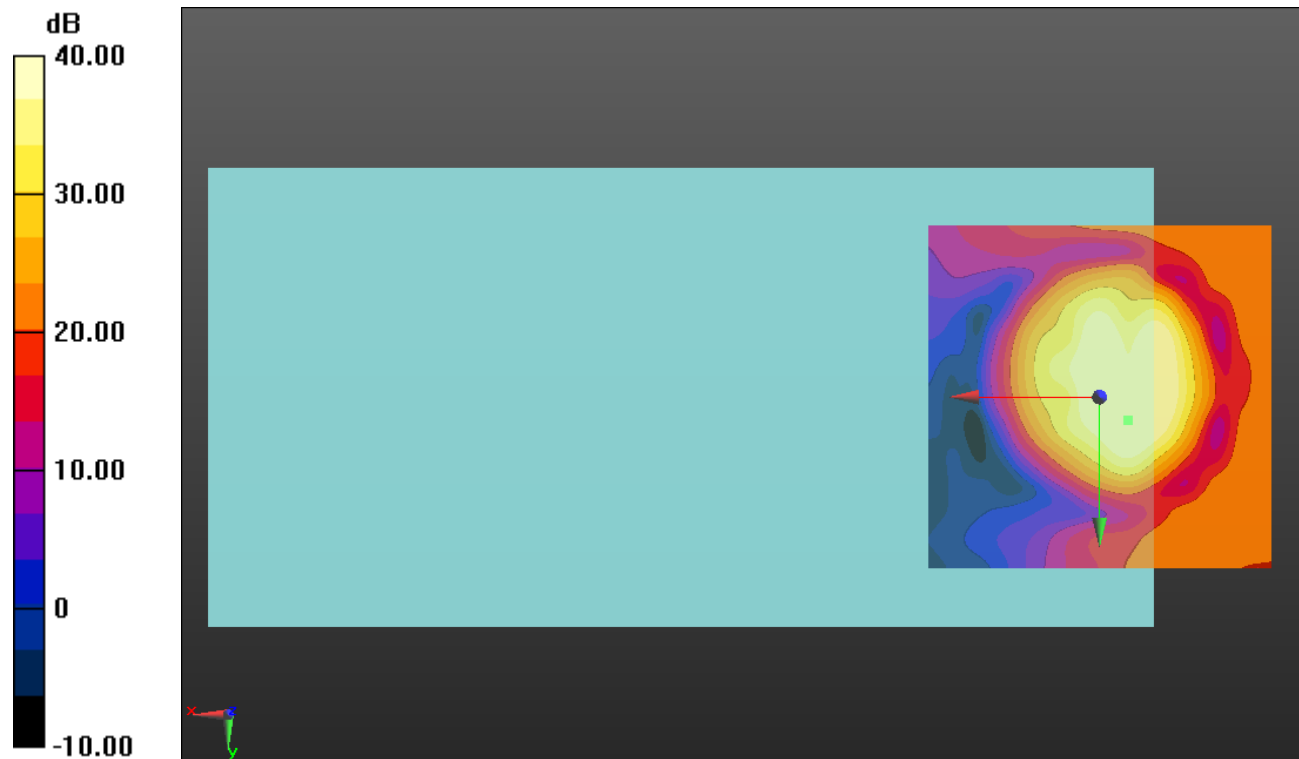
Cursor:

ABM1/ABM2 = 44.27 dB

ABM1 comp = -3.18 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Interpolated grid:
dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

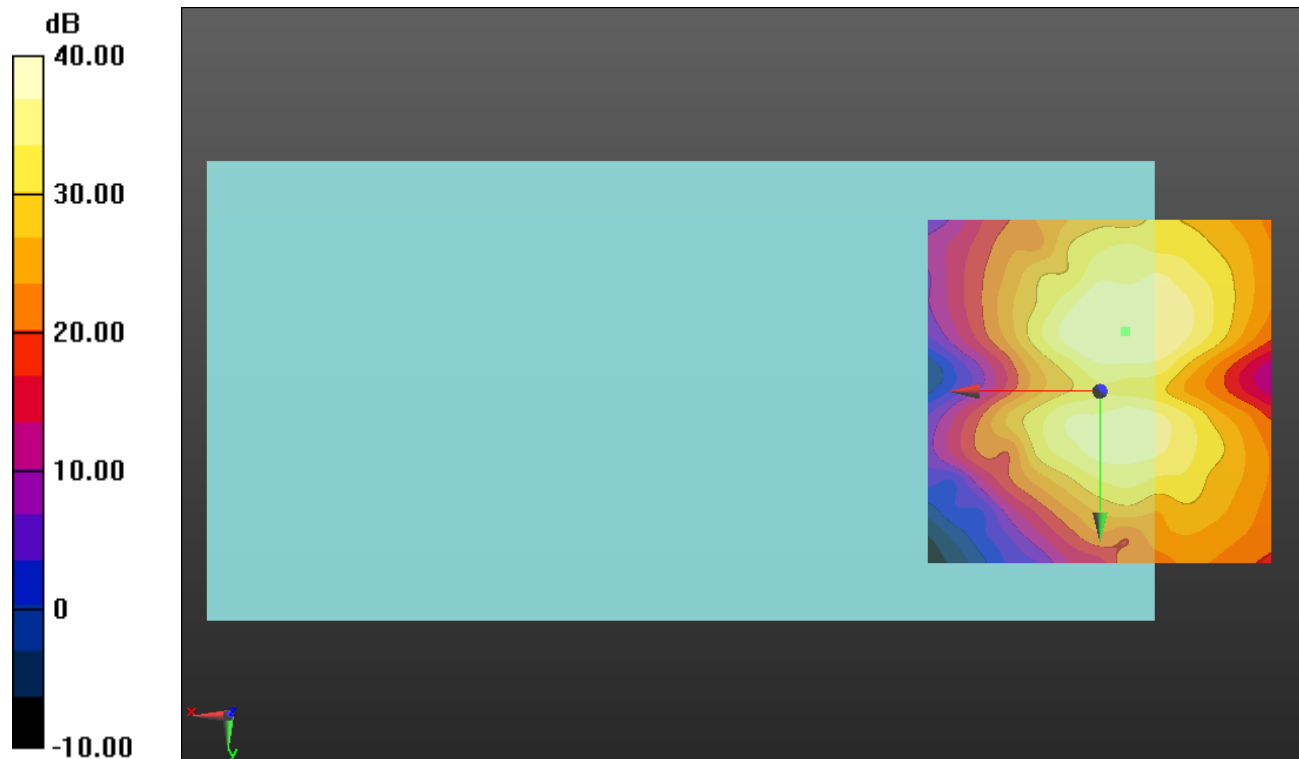
Cursor:

ABM1/ABM2 = 43.23 dB

ABM1 comp = -6.38 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20175/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

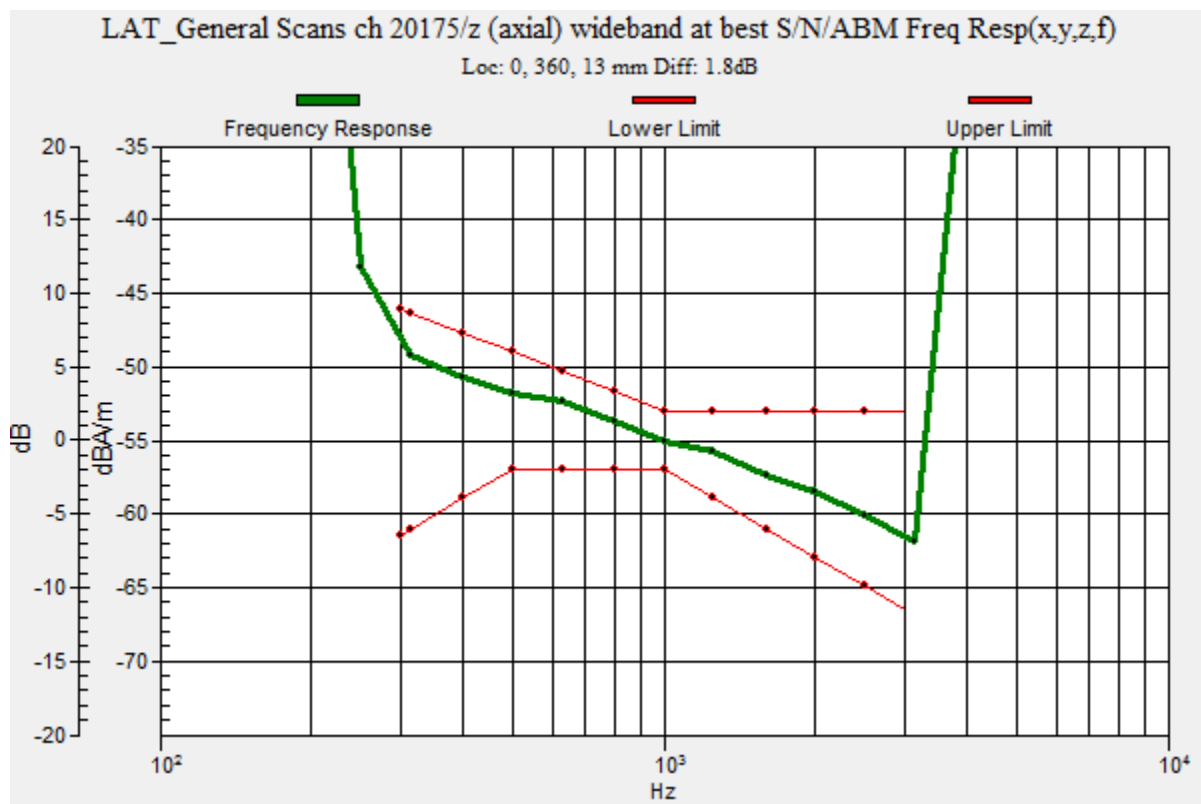
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.80 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 4 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20175/z
(axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm,
dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

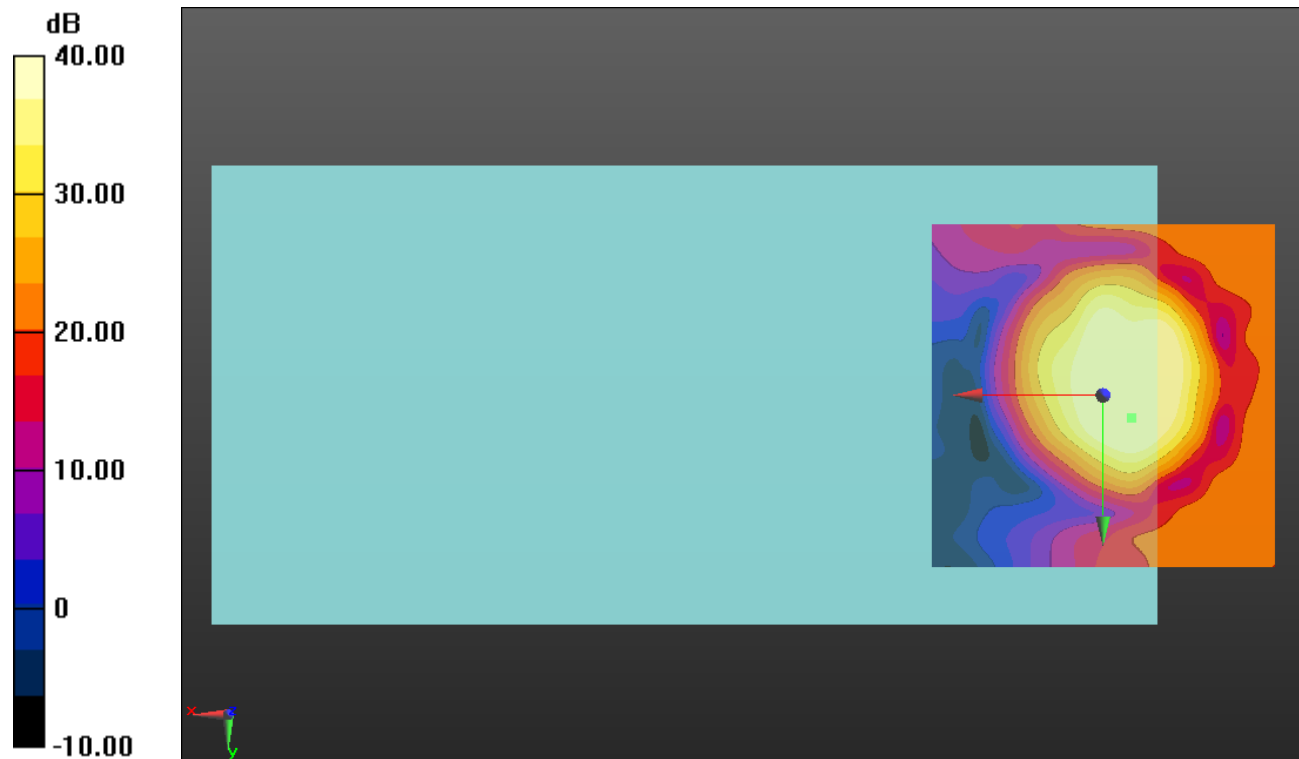
Cursor:

ABM1/ABM2 = 45.20 dB

ABM1 comp = -3.11 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 4 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

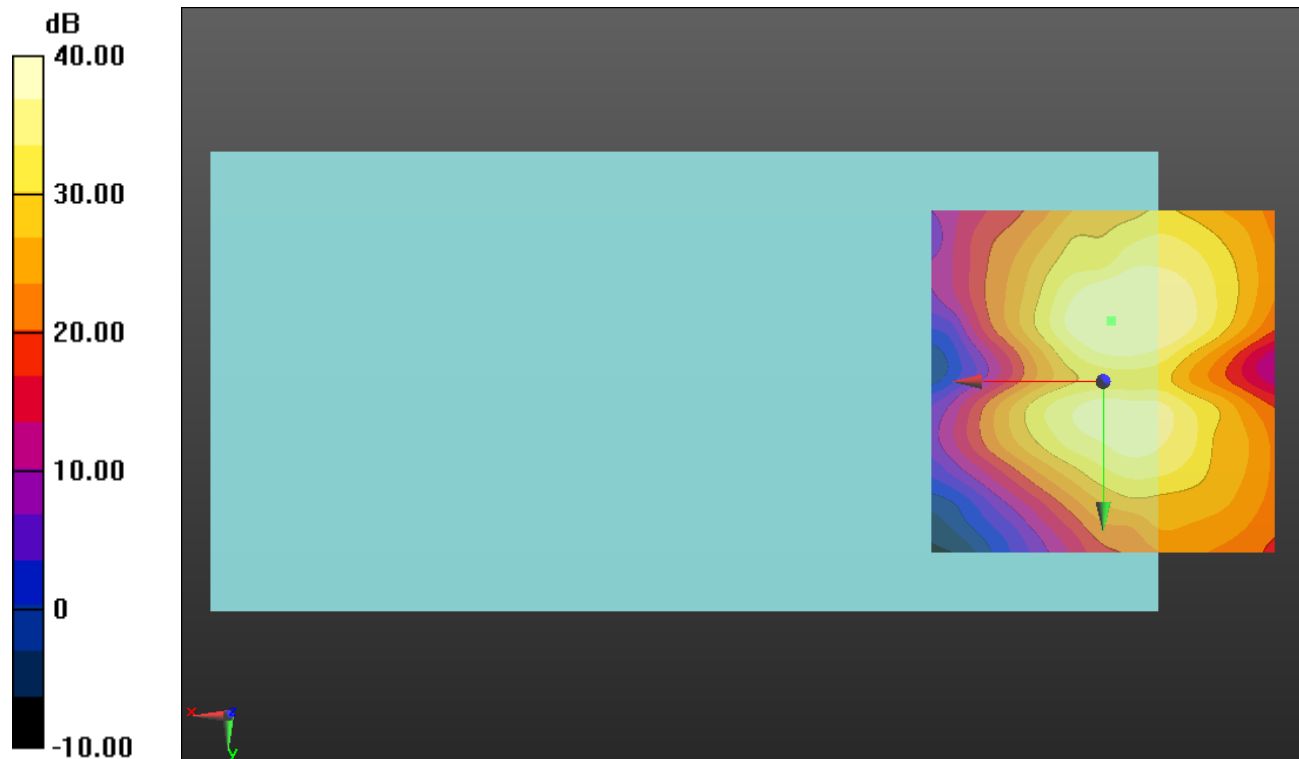
Cursor:

ABM1/ABM2 = 42.08 dB

ABM1 comp = -5.41 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 5 Wideband

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)/LAT_General Scans ch 20525/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

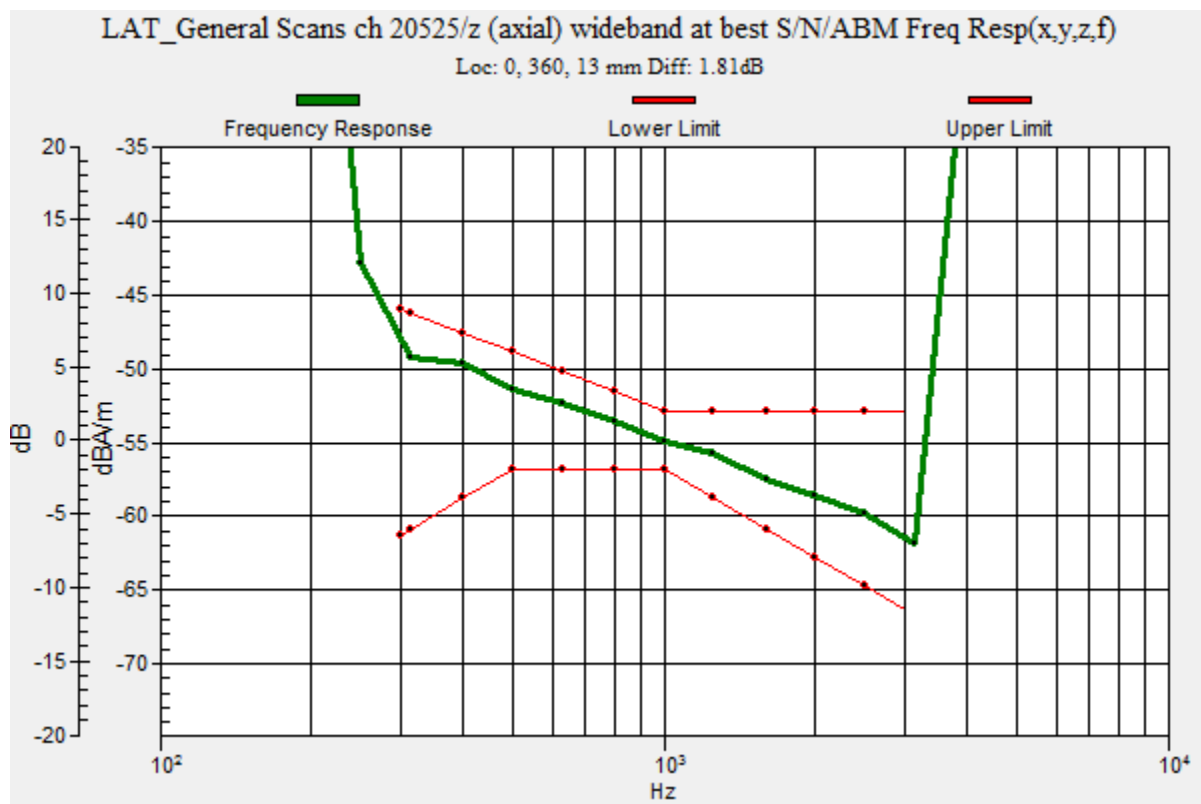
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.81 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 5 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

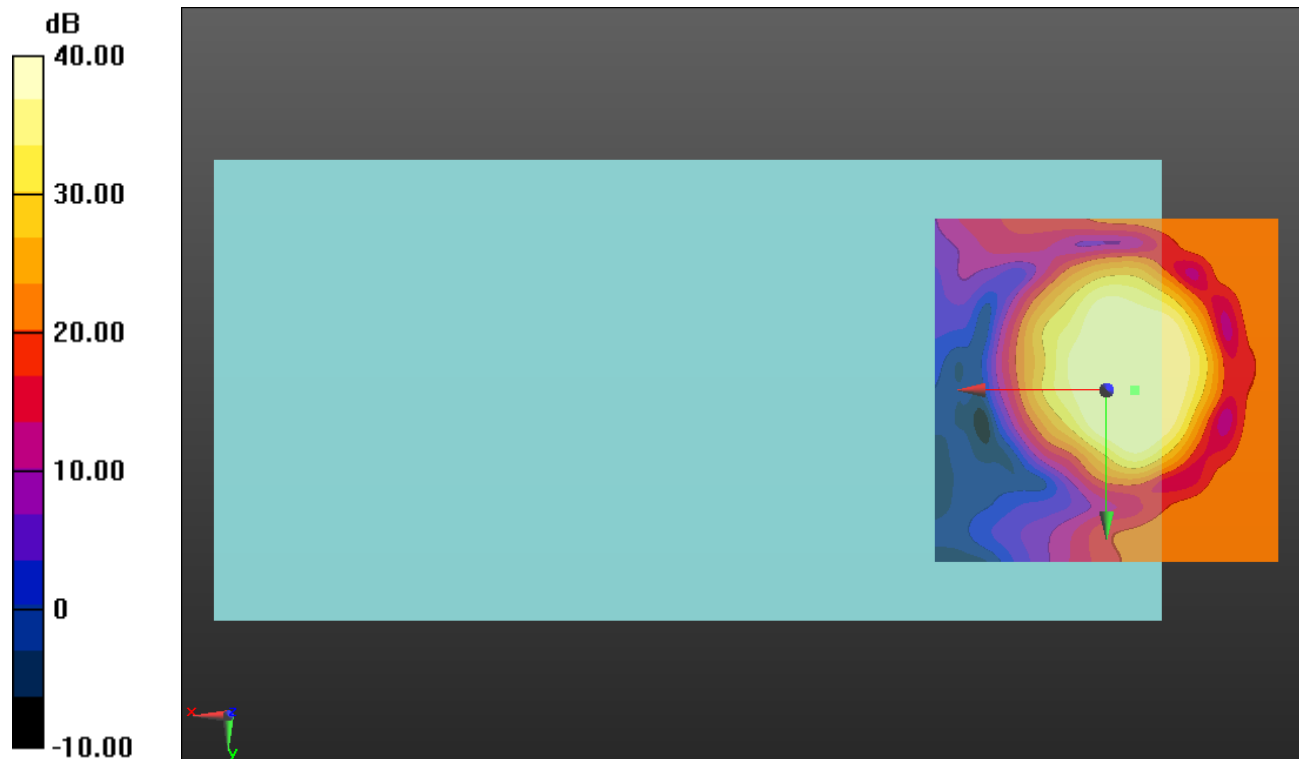
Cursor:

ABM1/ABM2 = 46.80 dB

ABM1 comp = -0.36 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 0, 3.7 mm



LTE Band 5 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

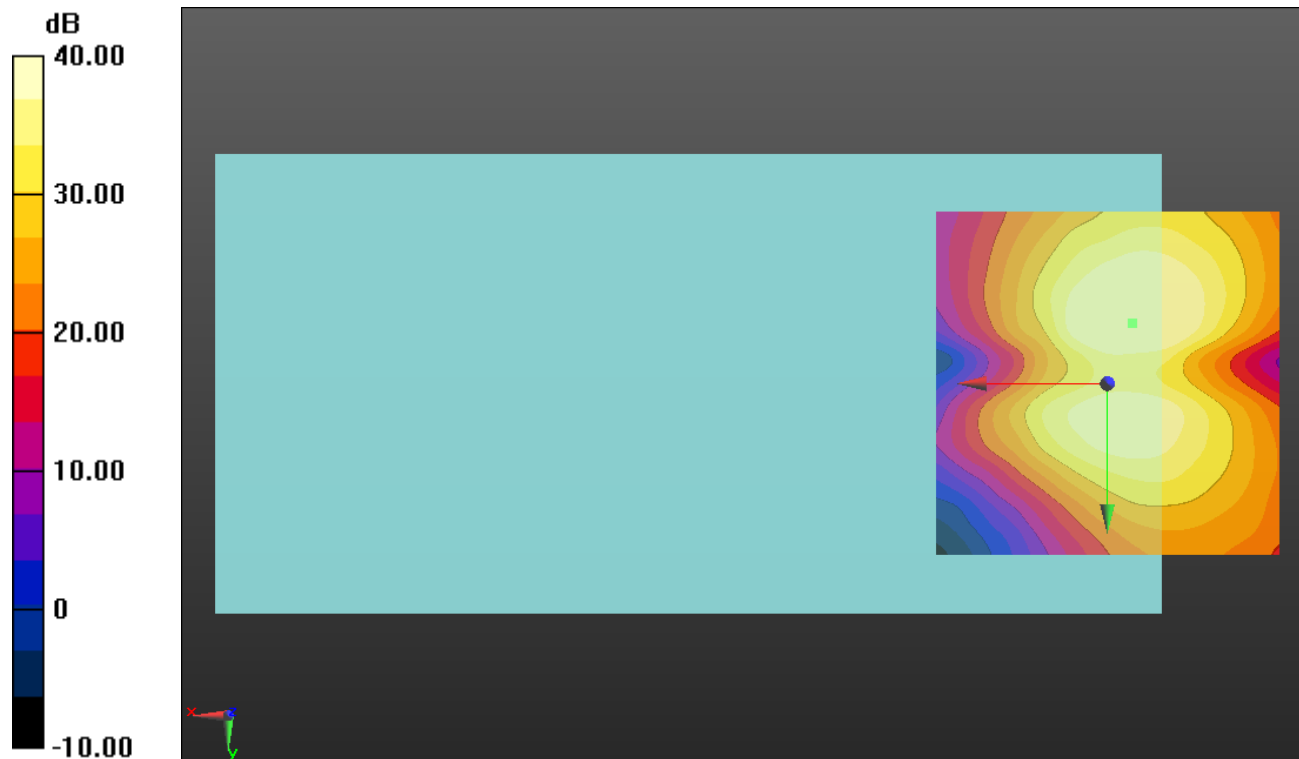
Cursor:

ABM1/ABM2 = 44.02 dB

ABM1 comp = -6.42 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 7 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

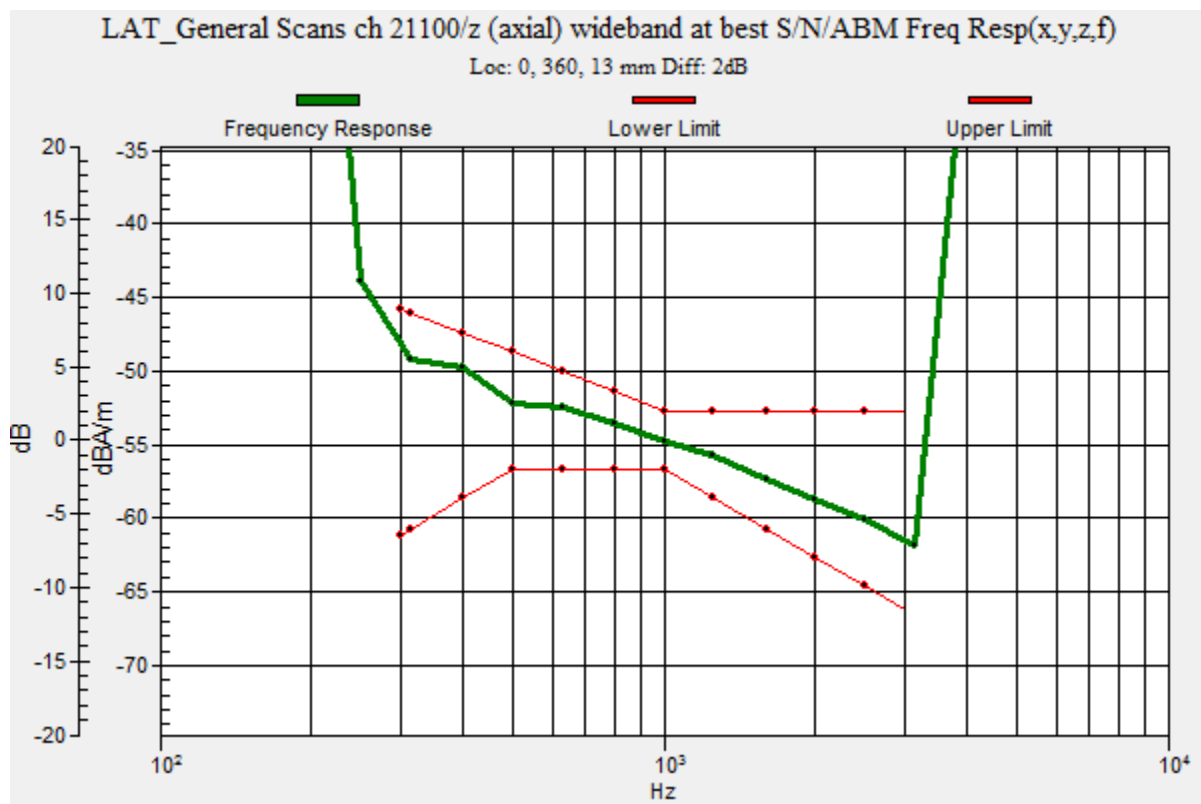
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 7 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 21100/z
(axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm,
dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

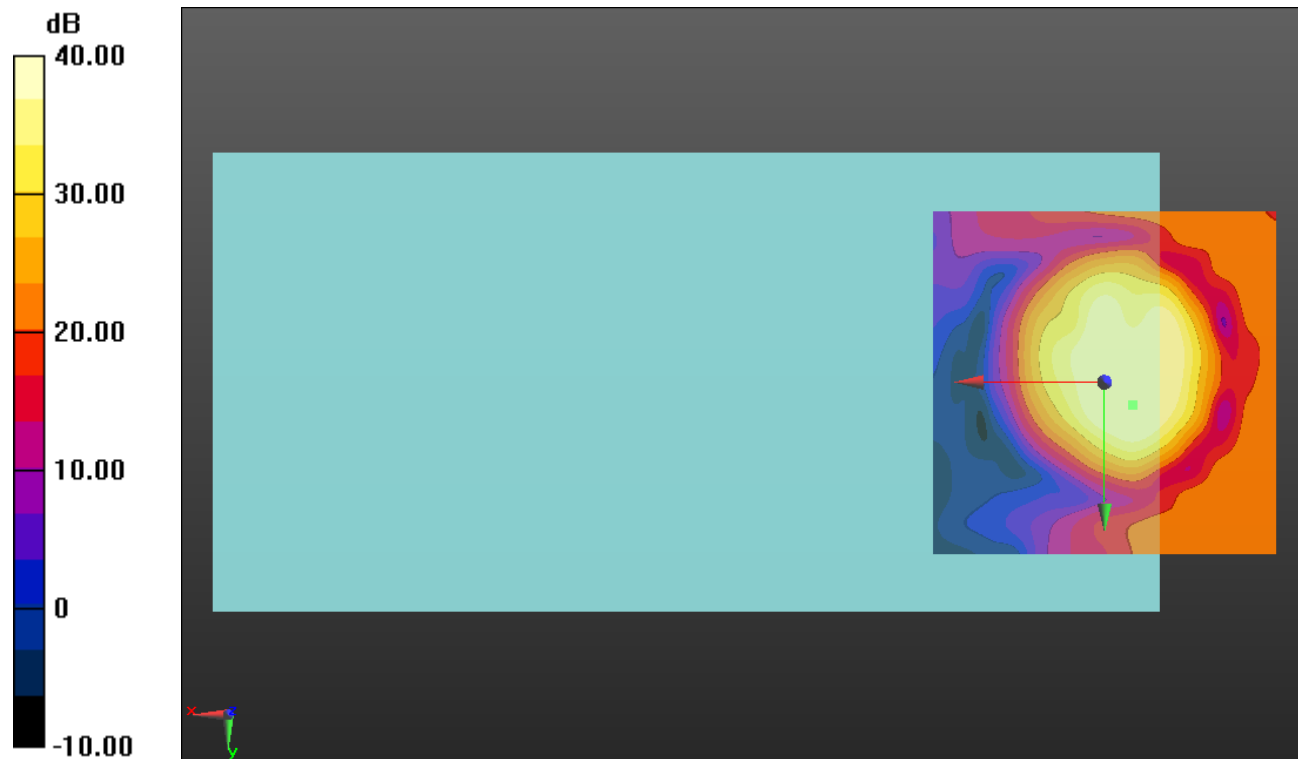
Cursor:

ABM1/ABM2 = 45.13 dB

ABM1 comp = -3.15 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



LTE Band 7 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

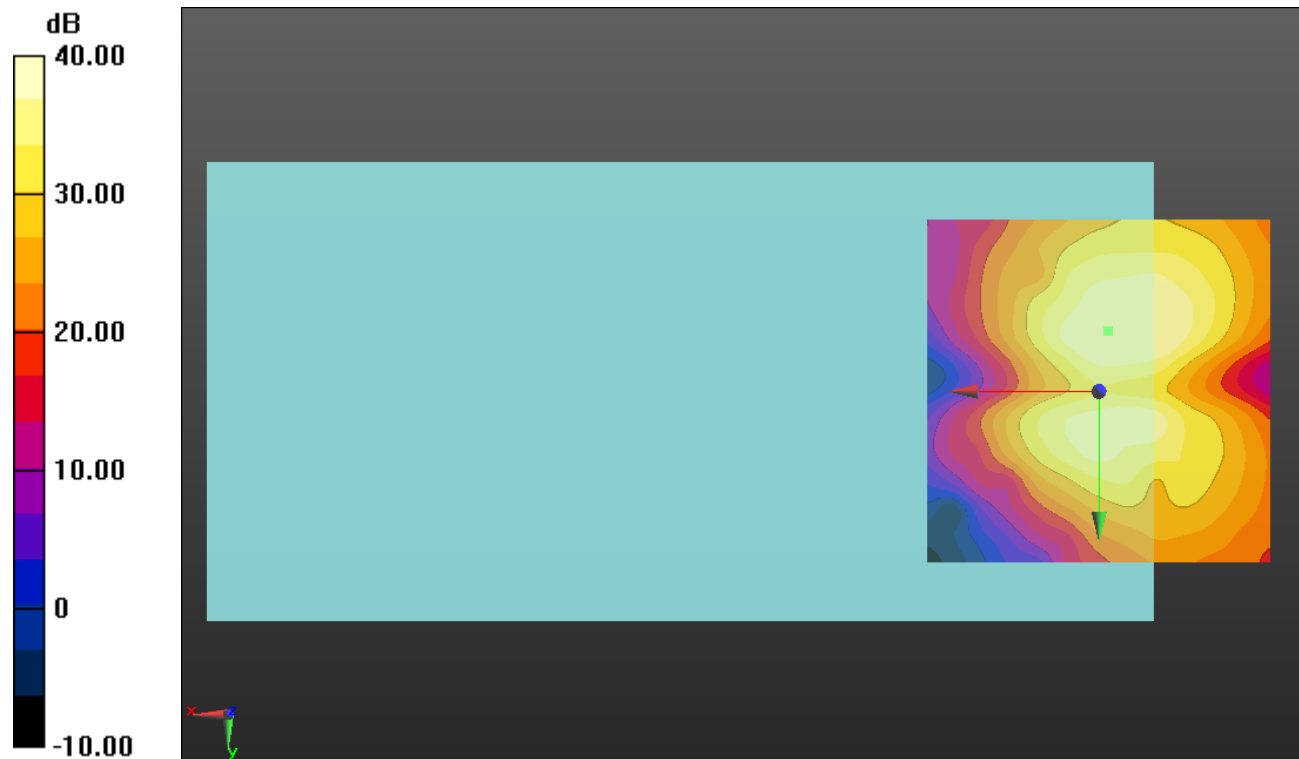
Cursor:

ABM1/ABM2 = 42.69 dB

ABM1 comp = -5.32 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 12 Wideband

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)/LAT_General Scans ch 23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

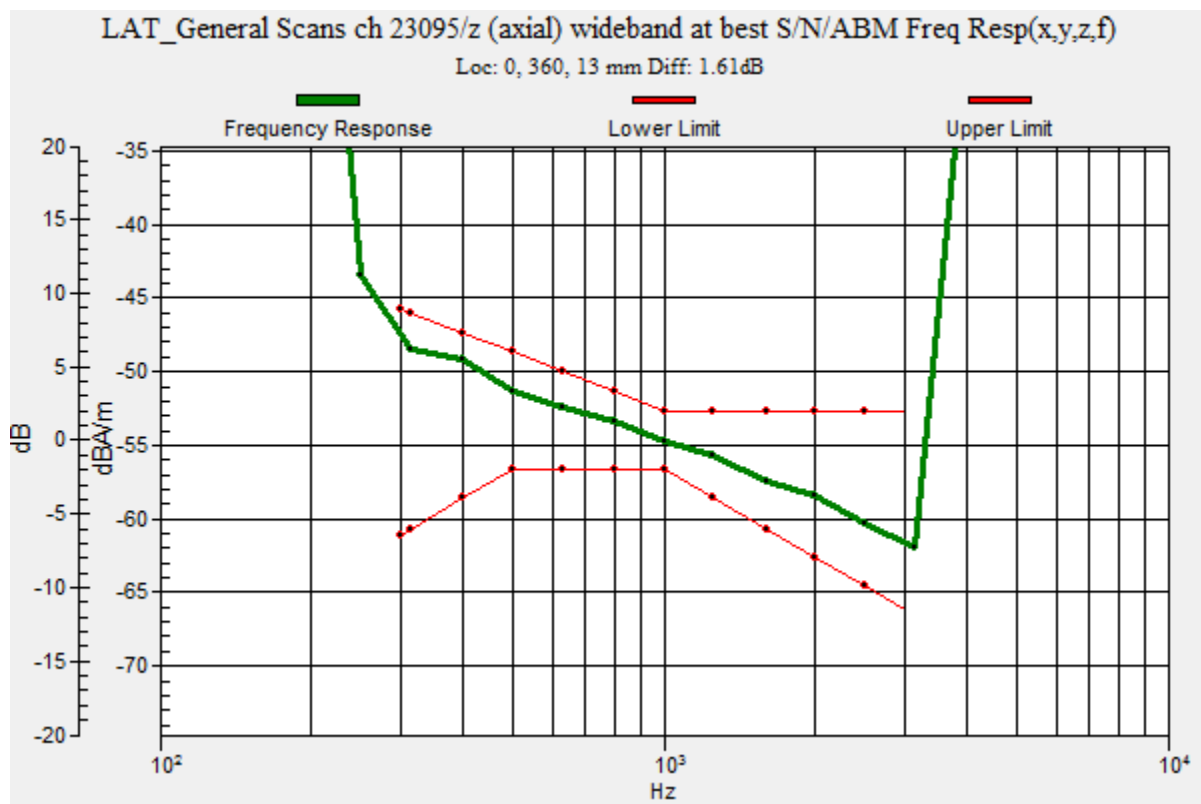
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.61 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 12 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

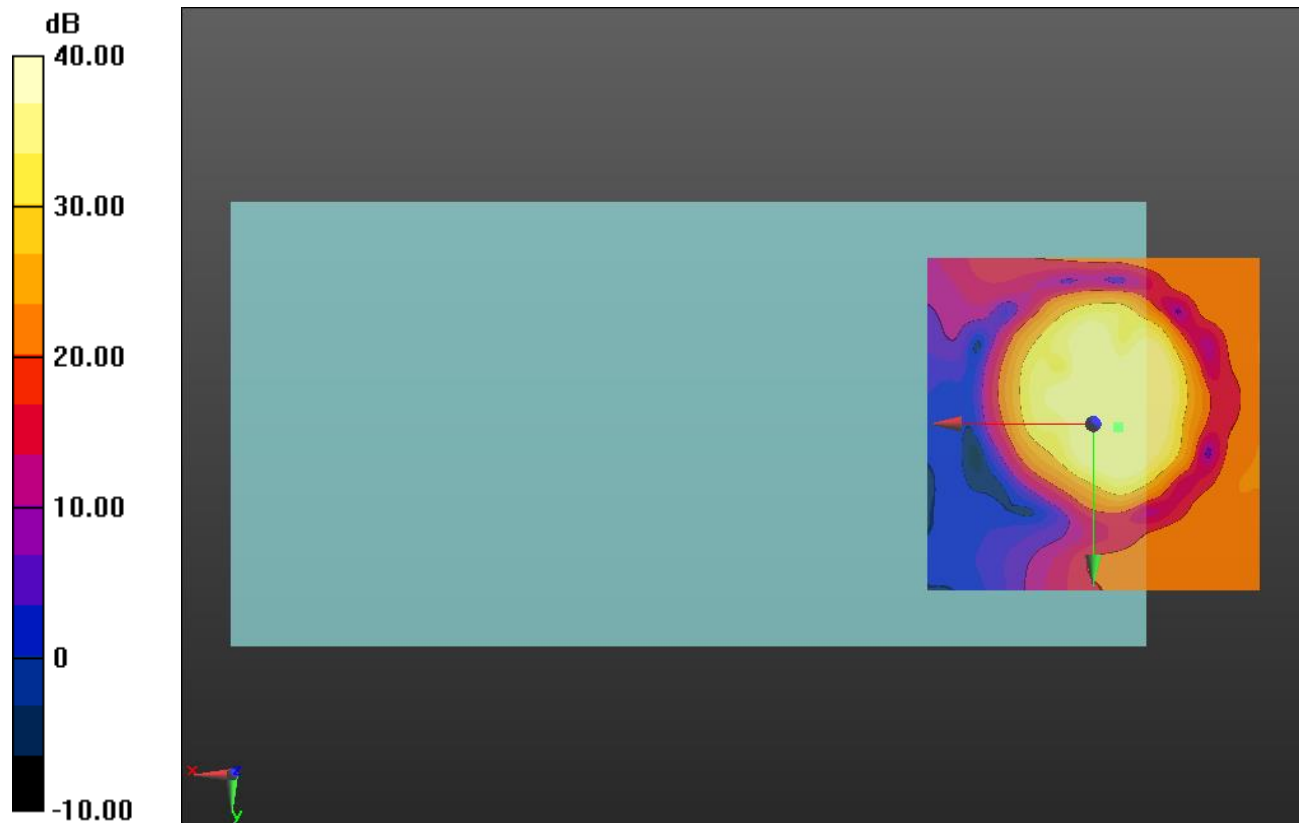
Cursor:

ABM1/ABM2 = 46.25 dB

ABM1 comp = -0.88 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 0.4, 3.7 mm



LTE Band 12 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

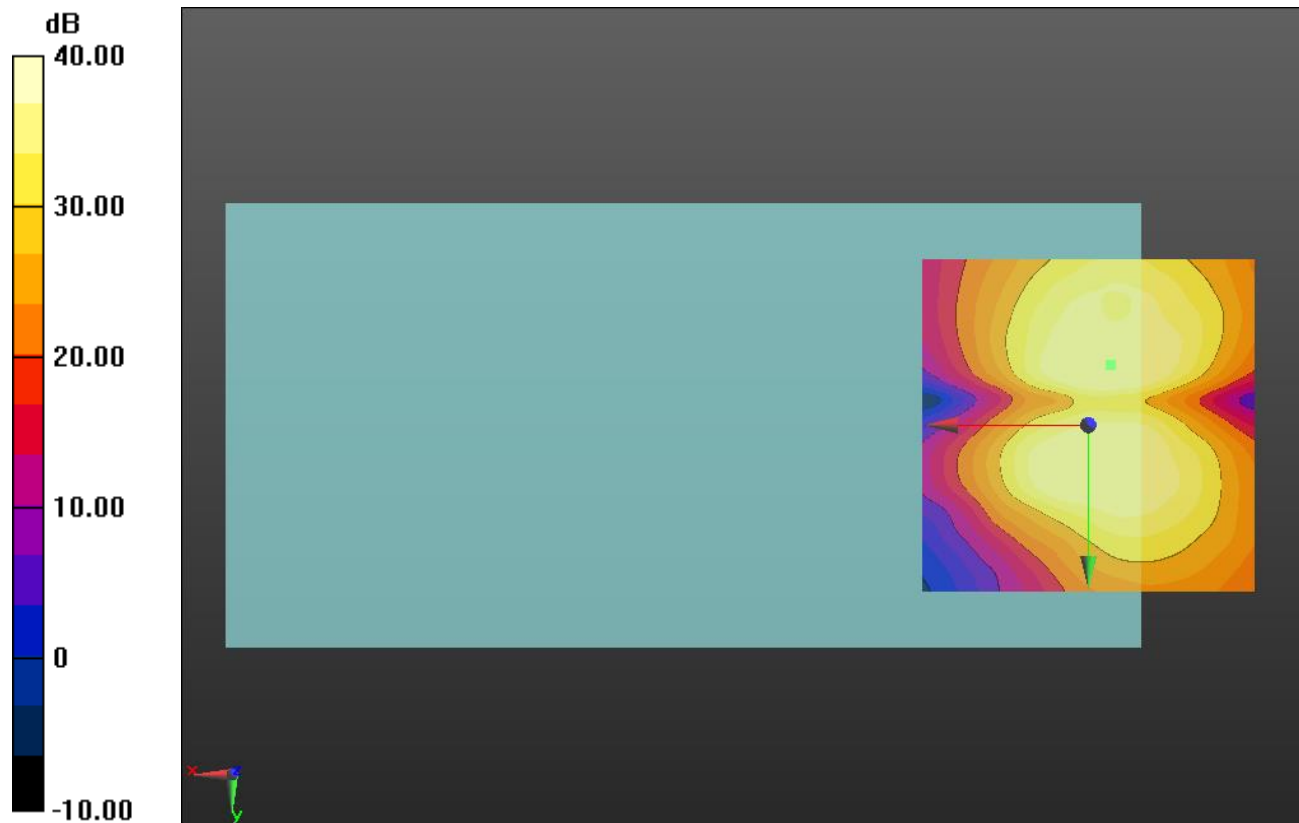
Cursor:

ABM1/ABM2 = 44.30 dB

ABM1 comp = -6.44 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

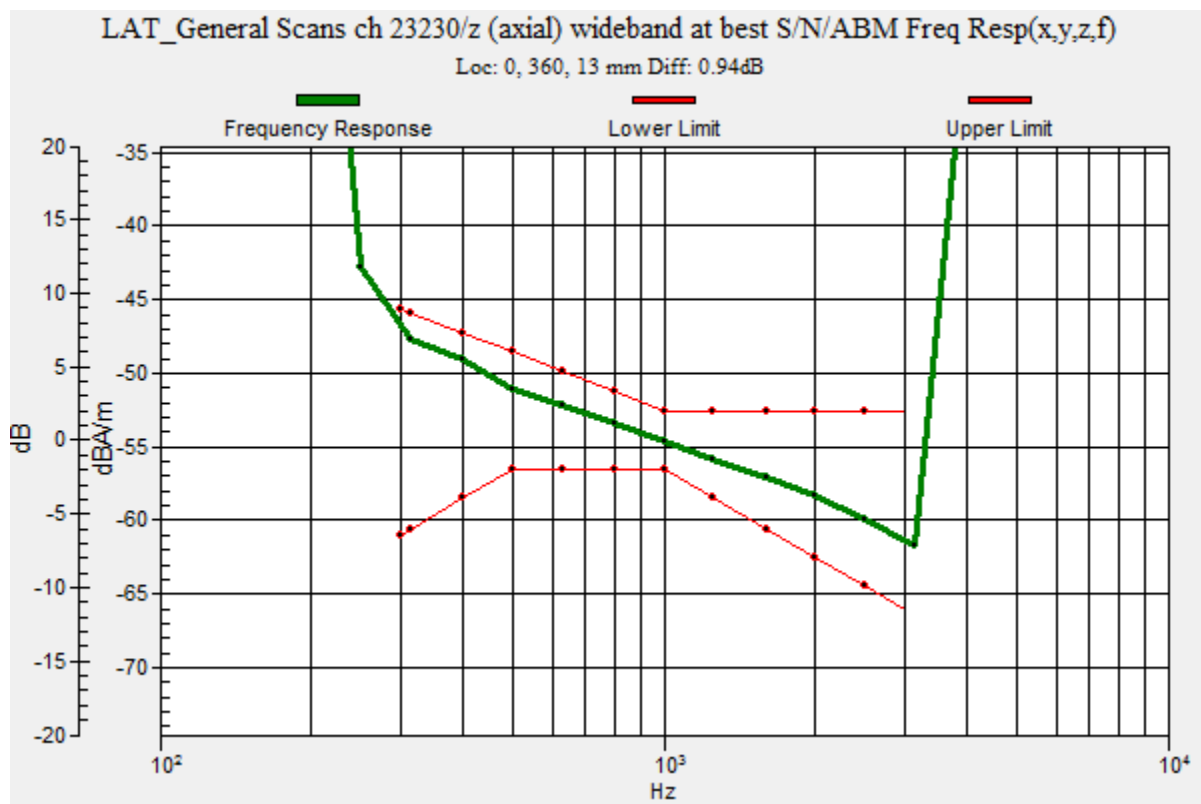
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.94 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 13 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

**T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23230/z
(axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm,
dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

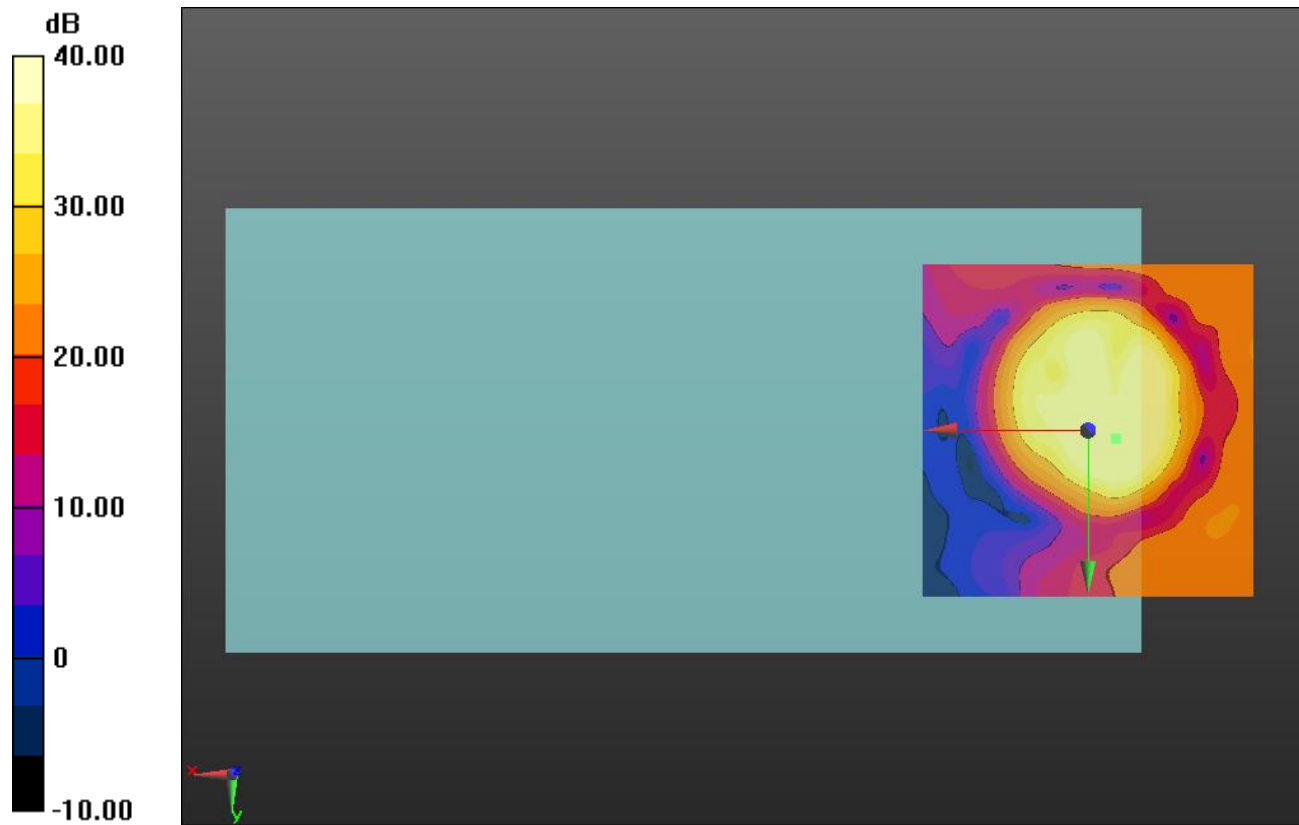
Cursor:

ABM1/ABM2 = 46.29 dB

ABM1 comp = -1.89 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 1.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 13 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

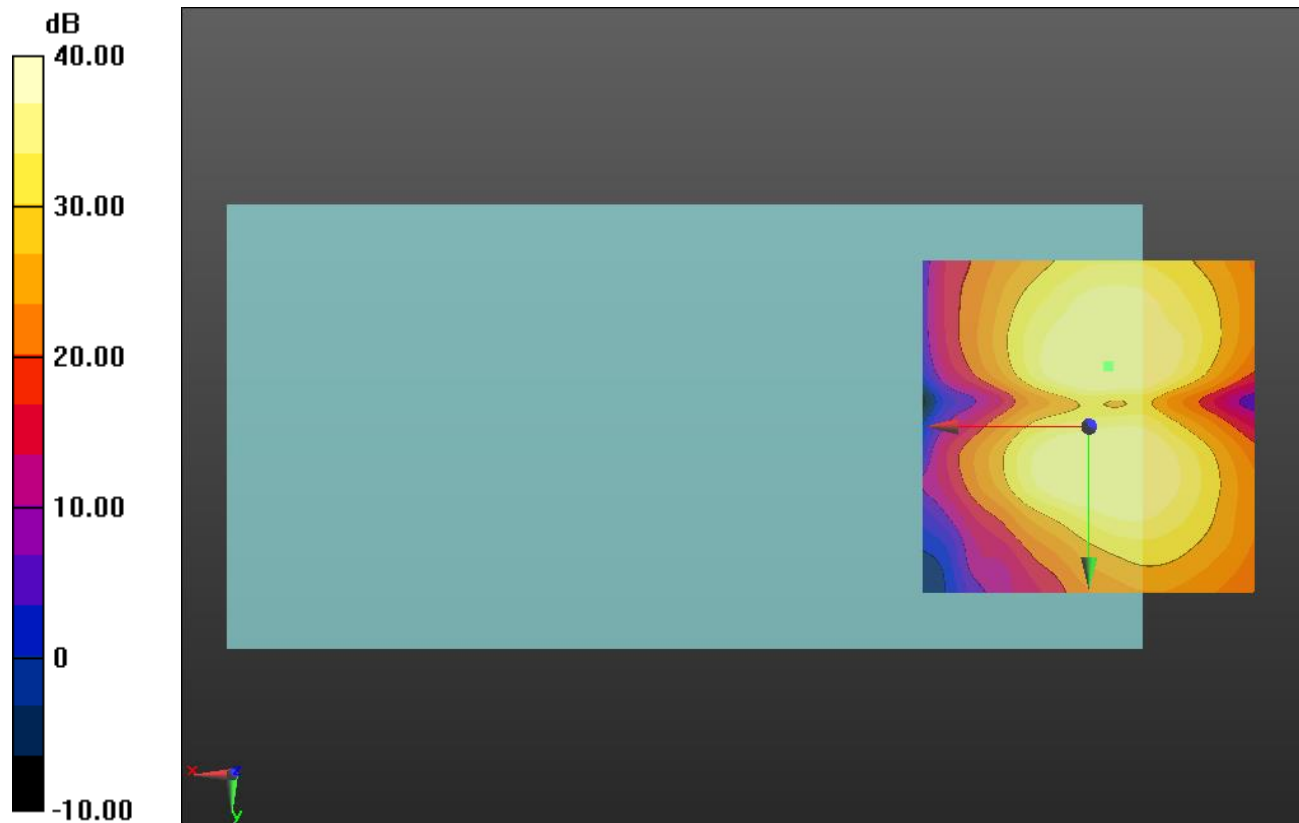
Cursor:

ABM1/ABM2 = 44.23 dB

ABM1 comp = -6.31 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -9.2, 3.7 mm



LTE Band 17 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23790/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

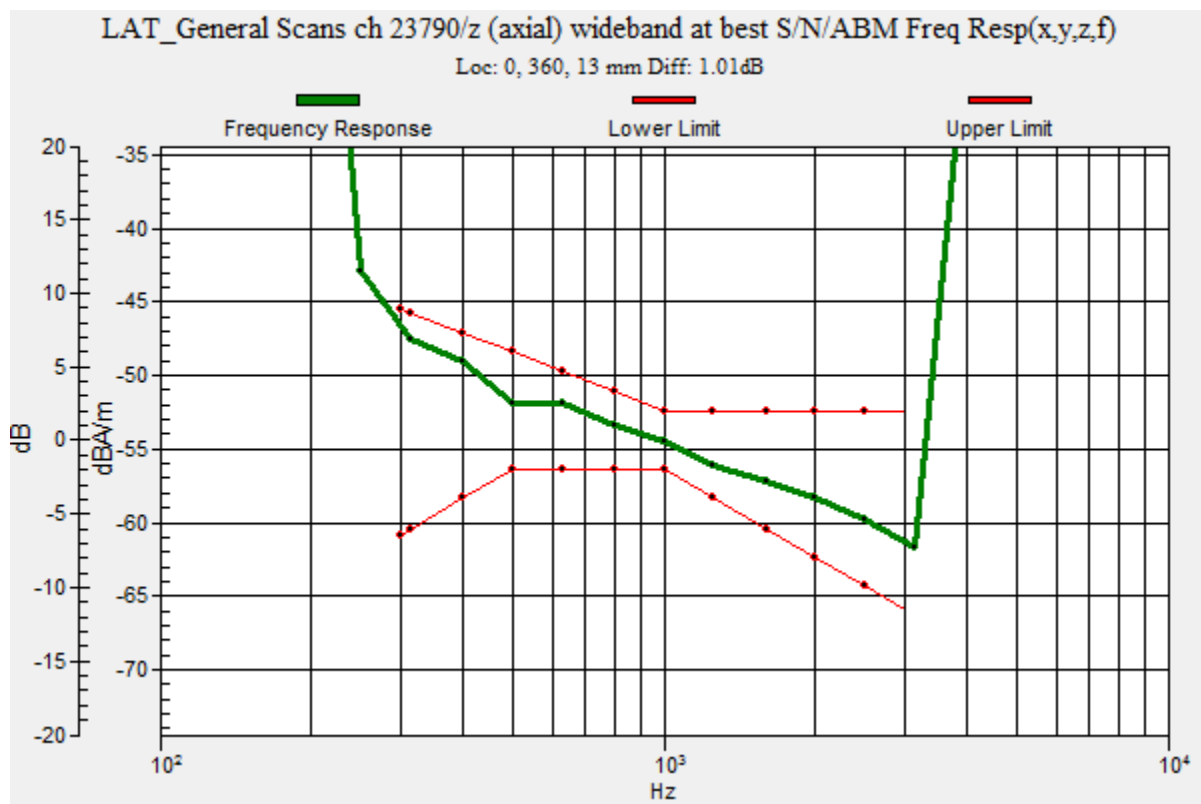
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.01 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 17 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

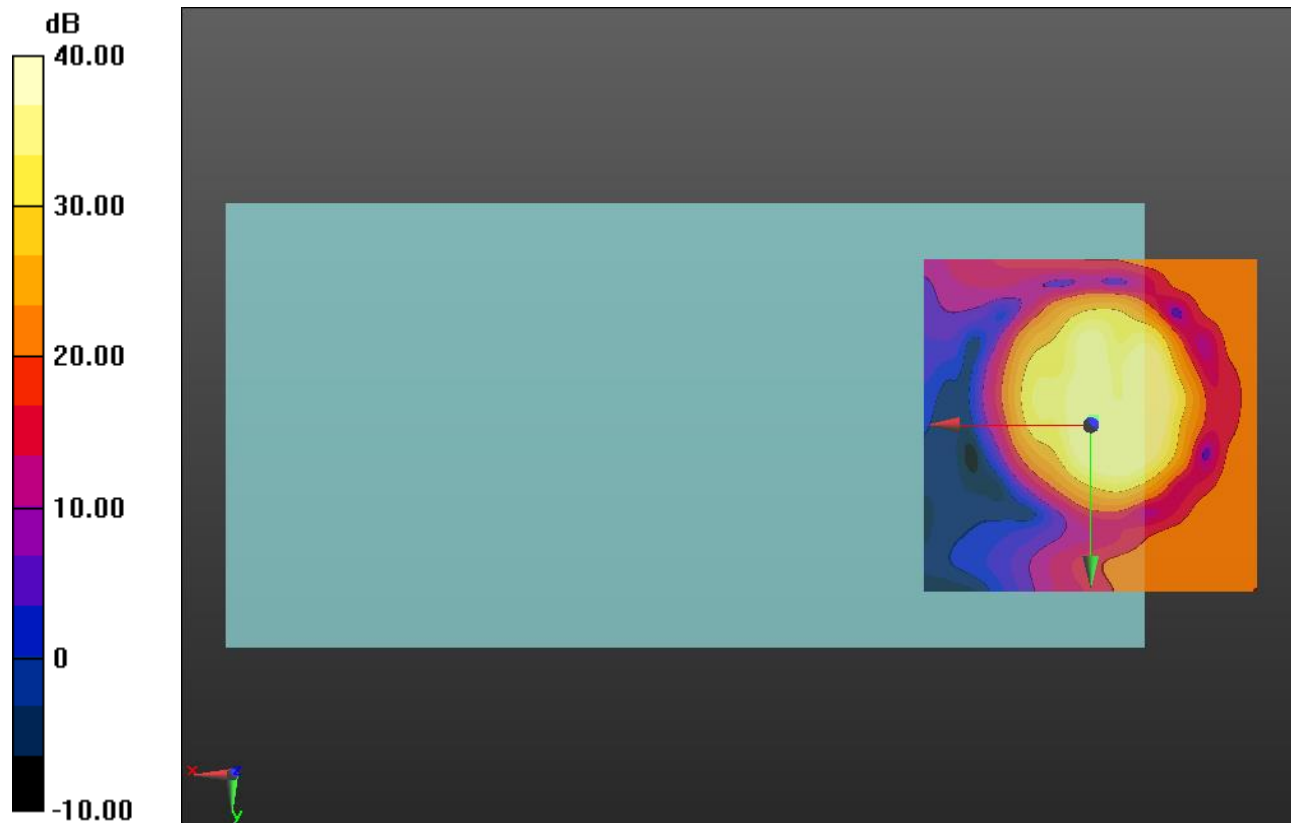
Cursor:

ABM1/ABM2 = 44.33 dB

ABM1 comp = 1.70 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 17 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 710 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

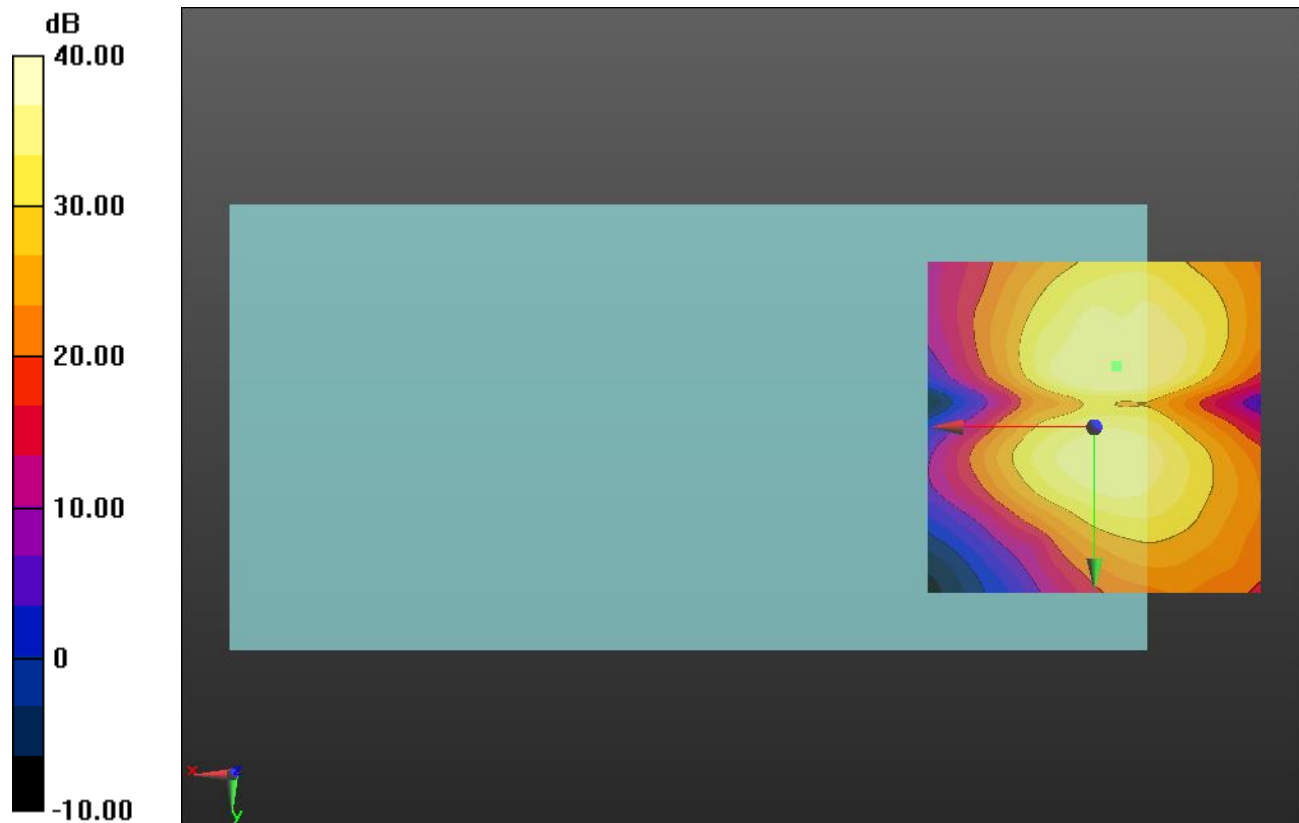
Cursor:

ABM1/ABM2 = 43.79 dB

ABM1 comp = -6.51 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26365/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

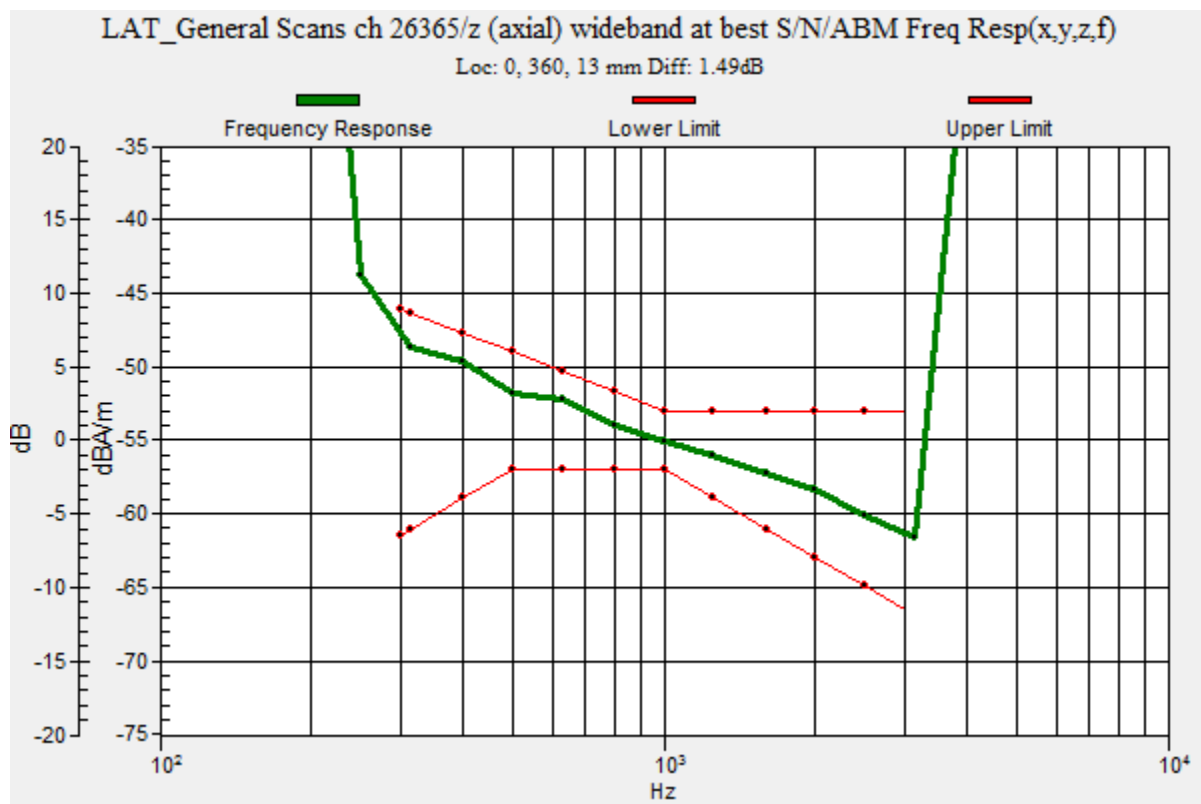
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.49 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 25 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

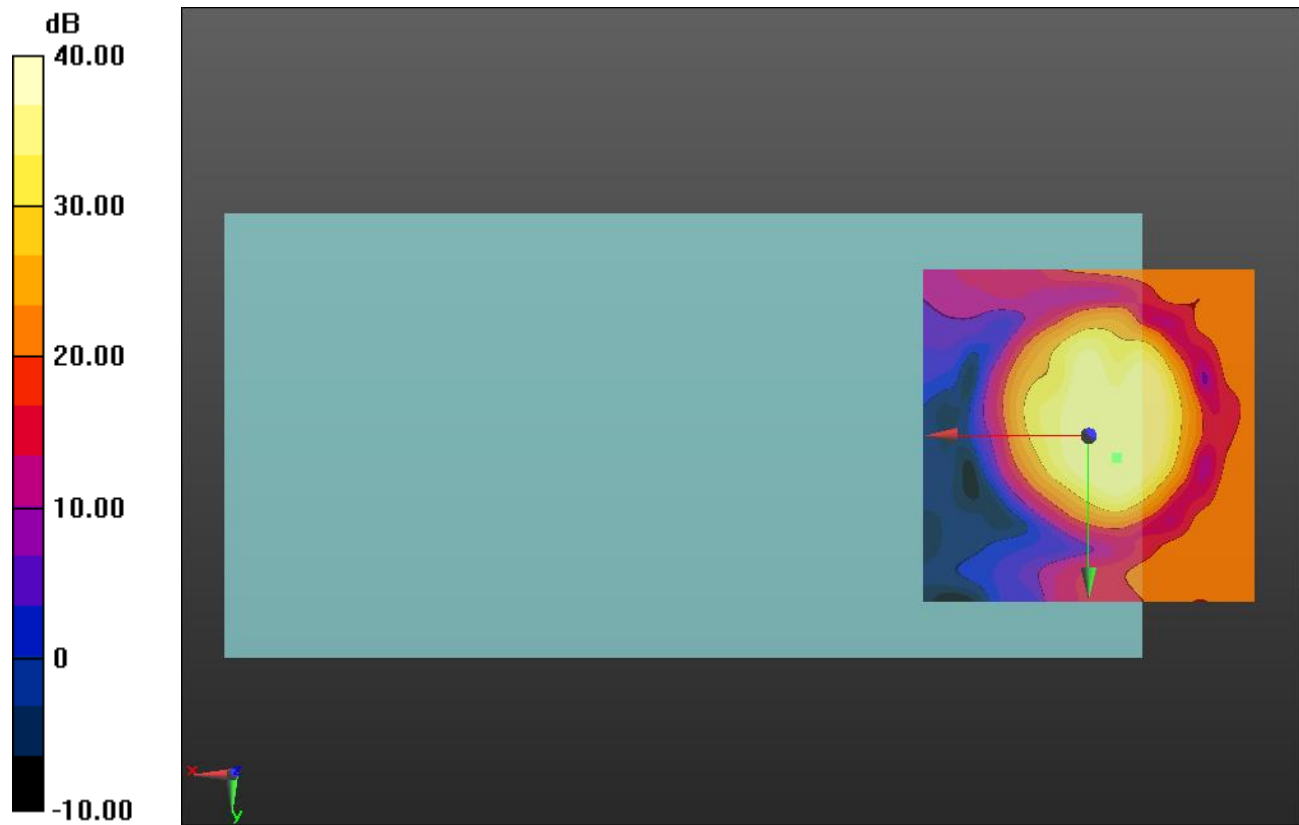
Cursor:

ABM1/ABM2 = 45.07 dB

ABM1 comp = -3.27 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 3.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 25 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

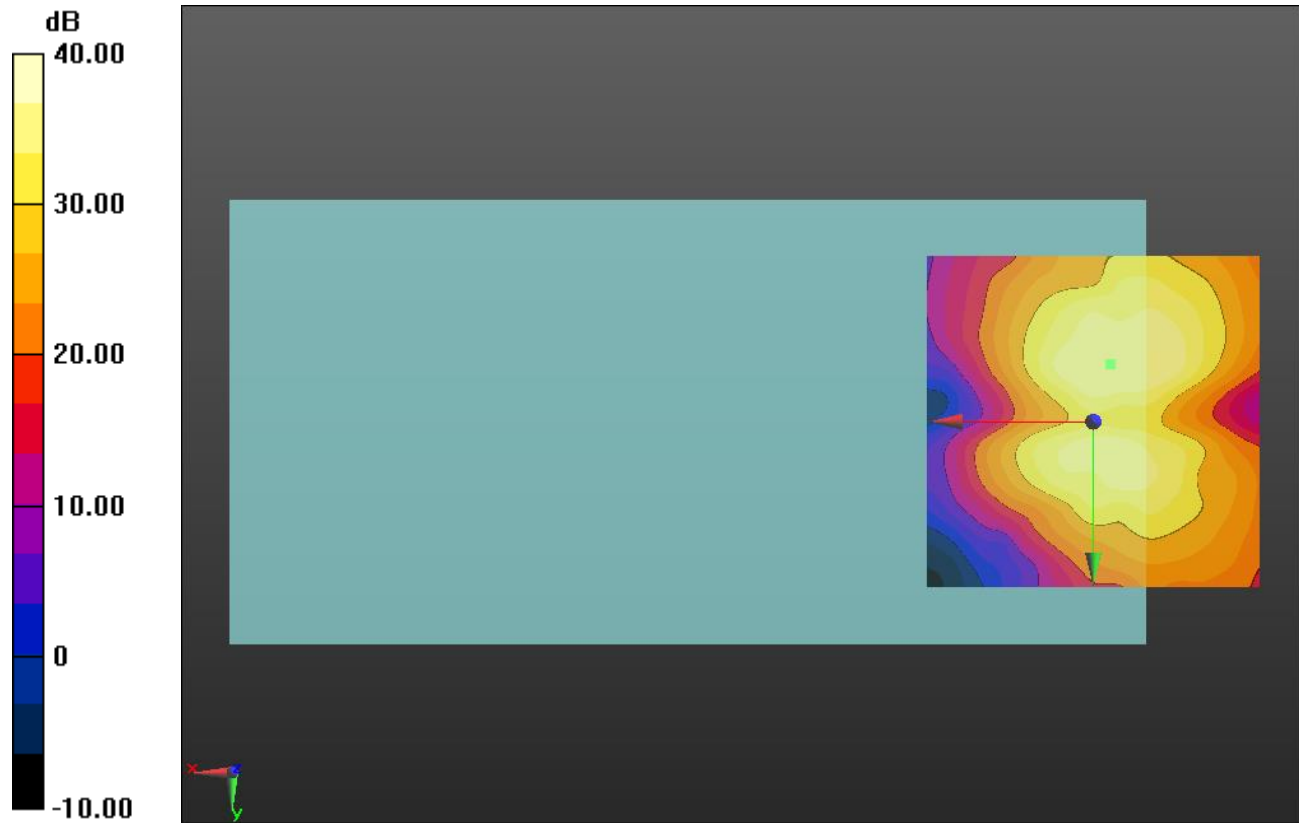
Cursor:

ABM1/ABM2 = 42.61 dB

ABM1 comp = -5.85 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

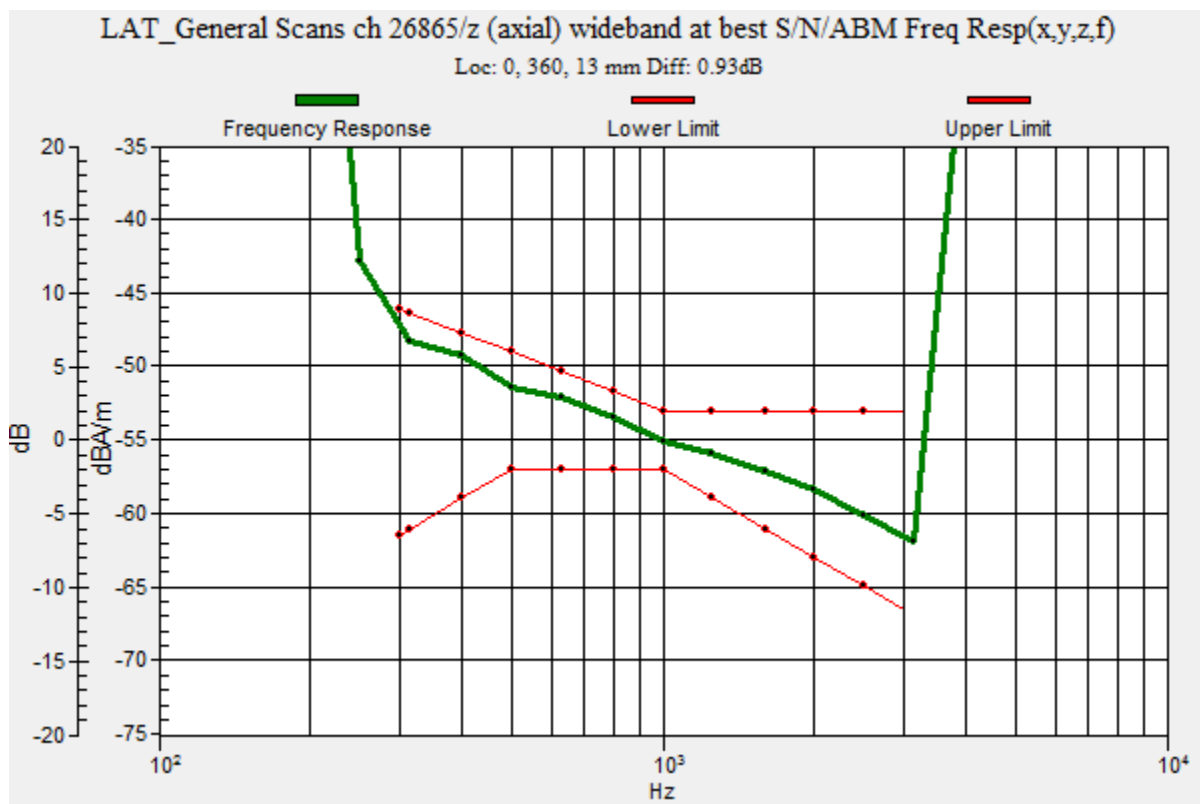
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.93 dB

BWC Factor = 10.80 dB

Location: 0, 360, 13 mm



LTE Band 26 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

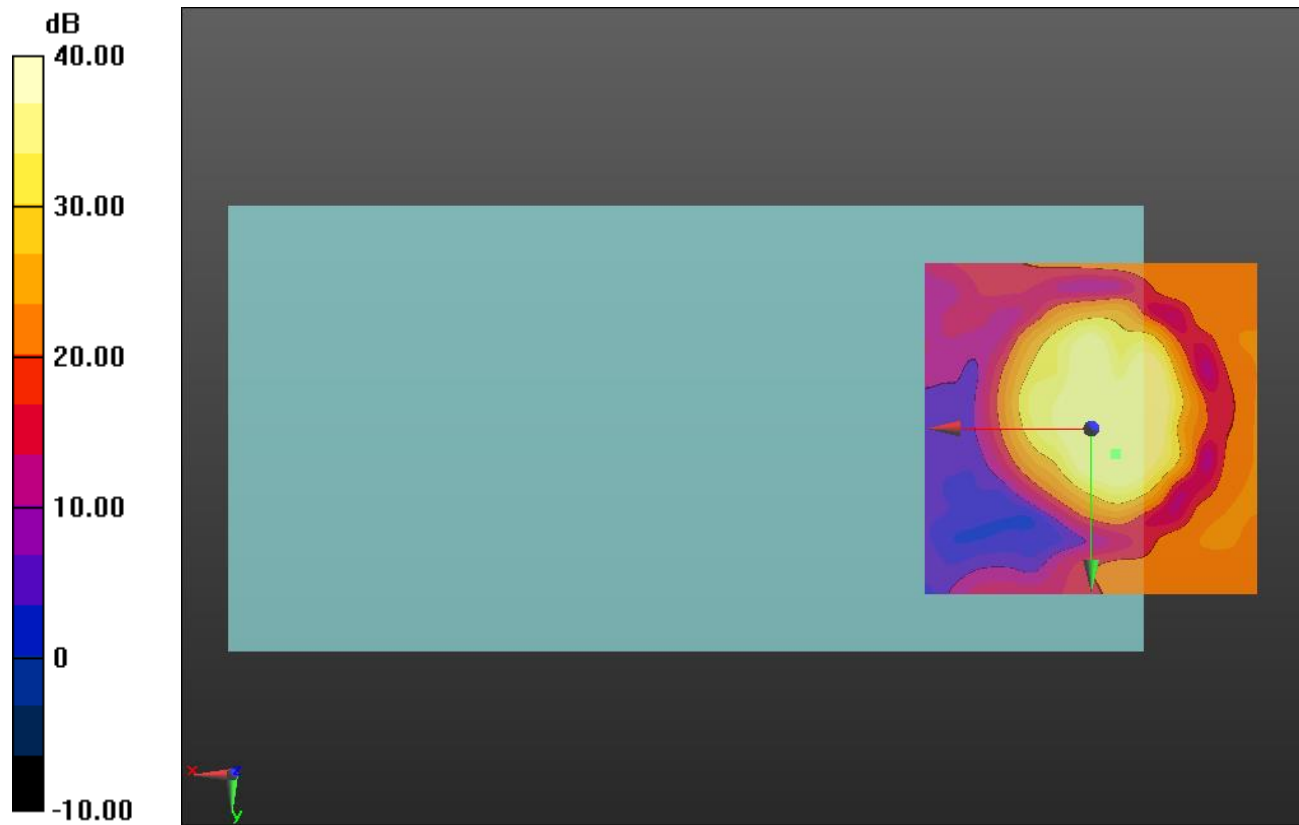
Cursor:

ABM1/ABM2 = 46.98 dB

ABM1 comp = -3.38 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, 3.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 26 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

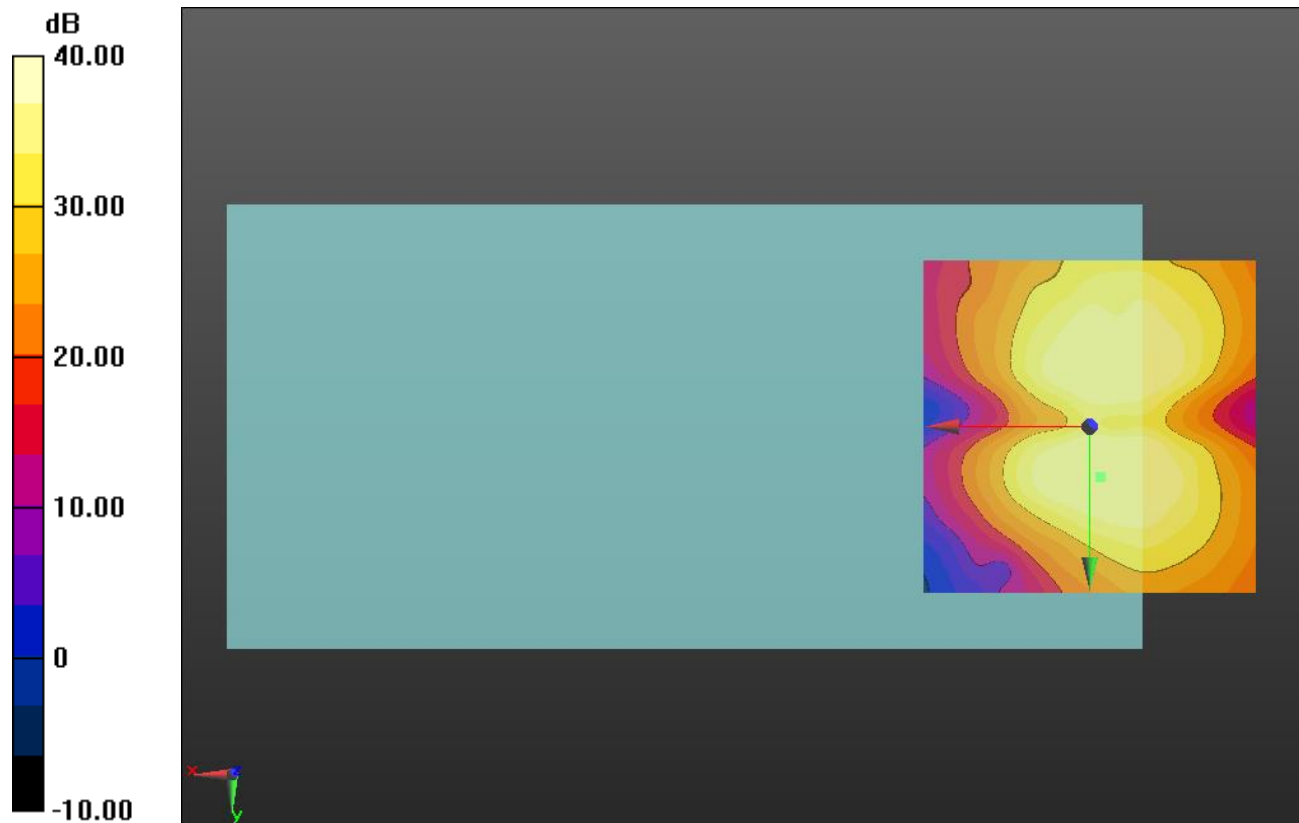
Cursor:

ABM1/ABM2 = 43.89 dB

ABM1 comp = -5.77 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, 7.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27125/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

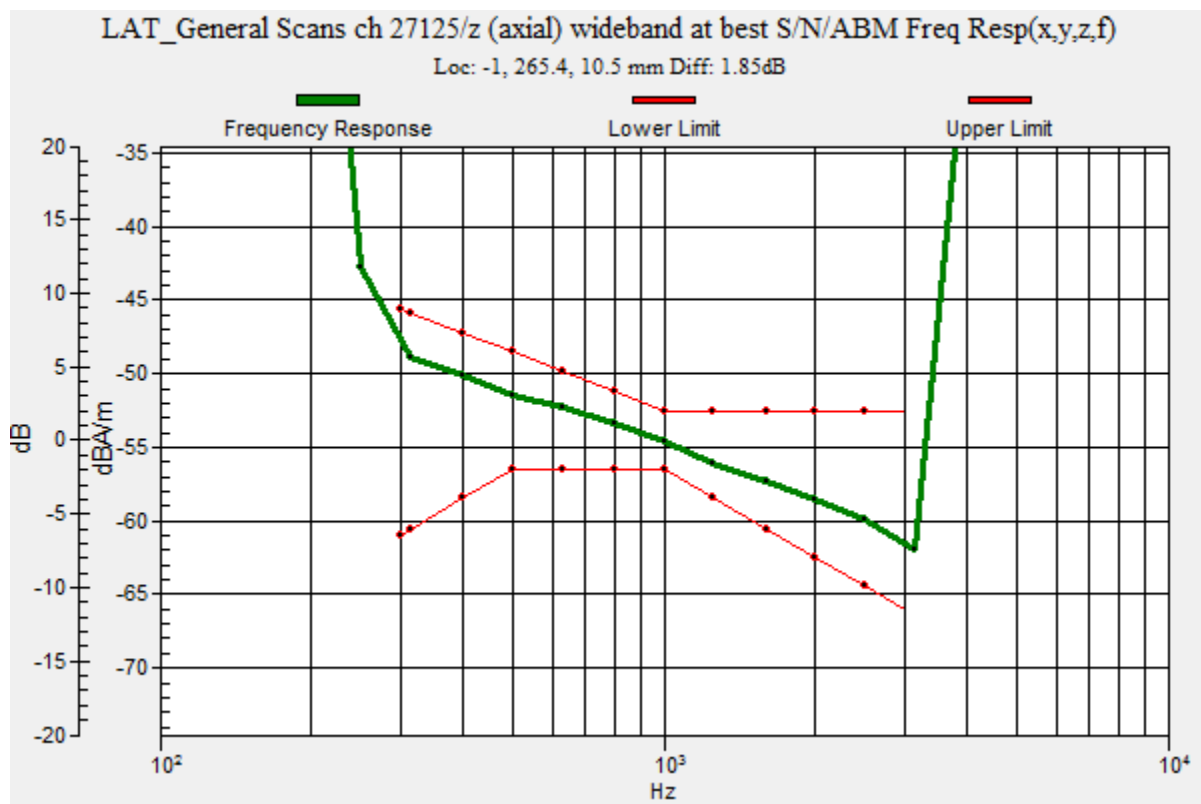
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.85 dB

BWC Factor = 10.80 dB

Location: -1, 265.4, 10.5 mm



LTE Band 27 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

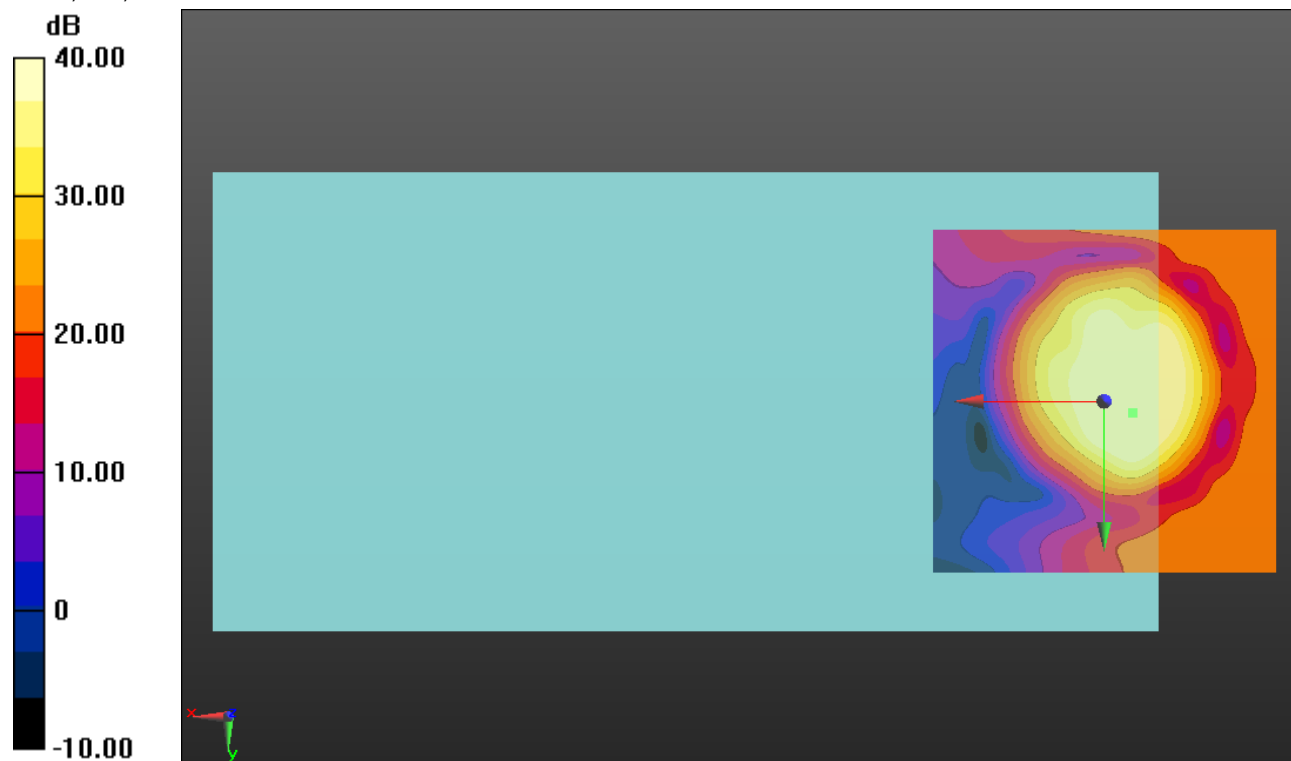
Cursor:

ABM1/ABM2 = 45.79 dB

ABM1 comp = -1.70 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 1.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 27 Wideband

Communication System: UID 0, LTE (FDD) (0); Frequency: 815.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

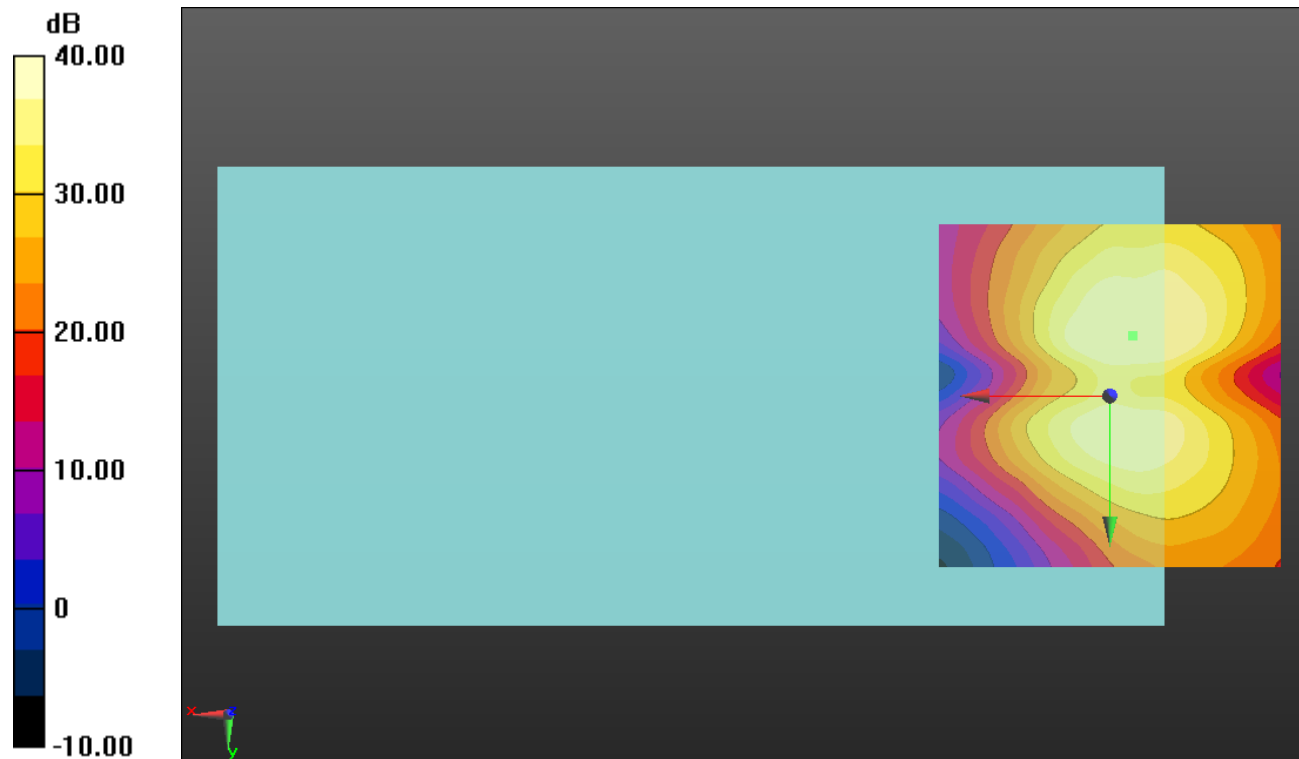
Cursor:

ABM1/ABM2 = 44.00 dB

ABM1 comp = -6.16 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30 Wideband

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

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

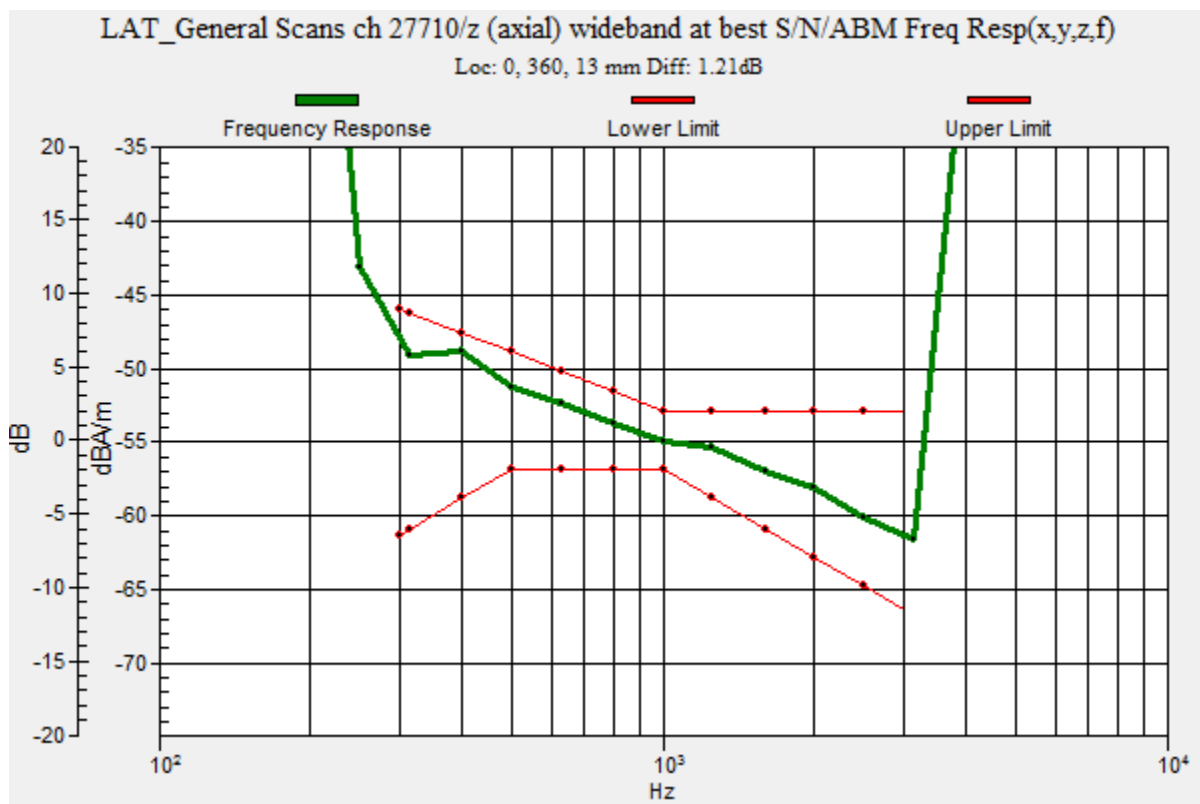
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.21 dB

BWC Factor = 10.81 dB

Location: 0, 360, 13 mm



LTE Band 30 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

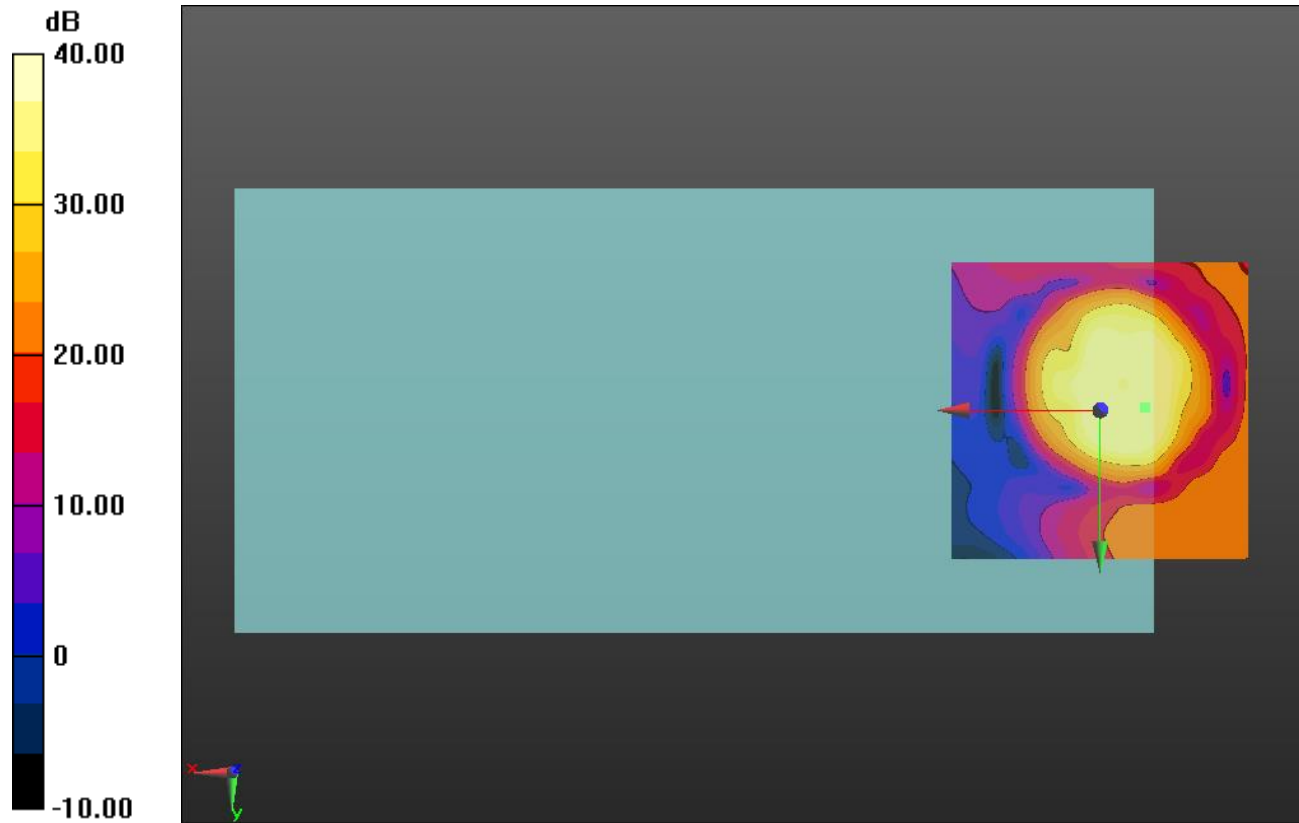
Cursor:

ABM1/ABM2 = 44.60 dB

ABM1 comp = -4.15 dBA/m

BWC Factor = 0.16 dB

Location: -7.5, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 30 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

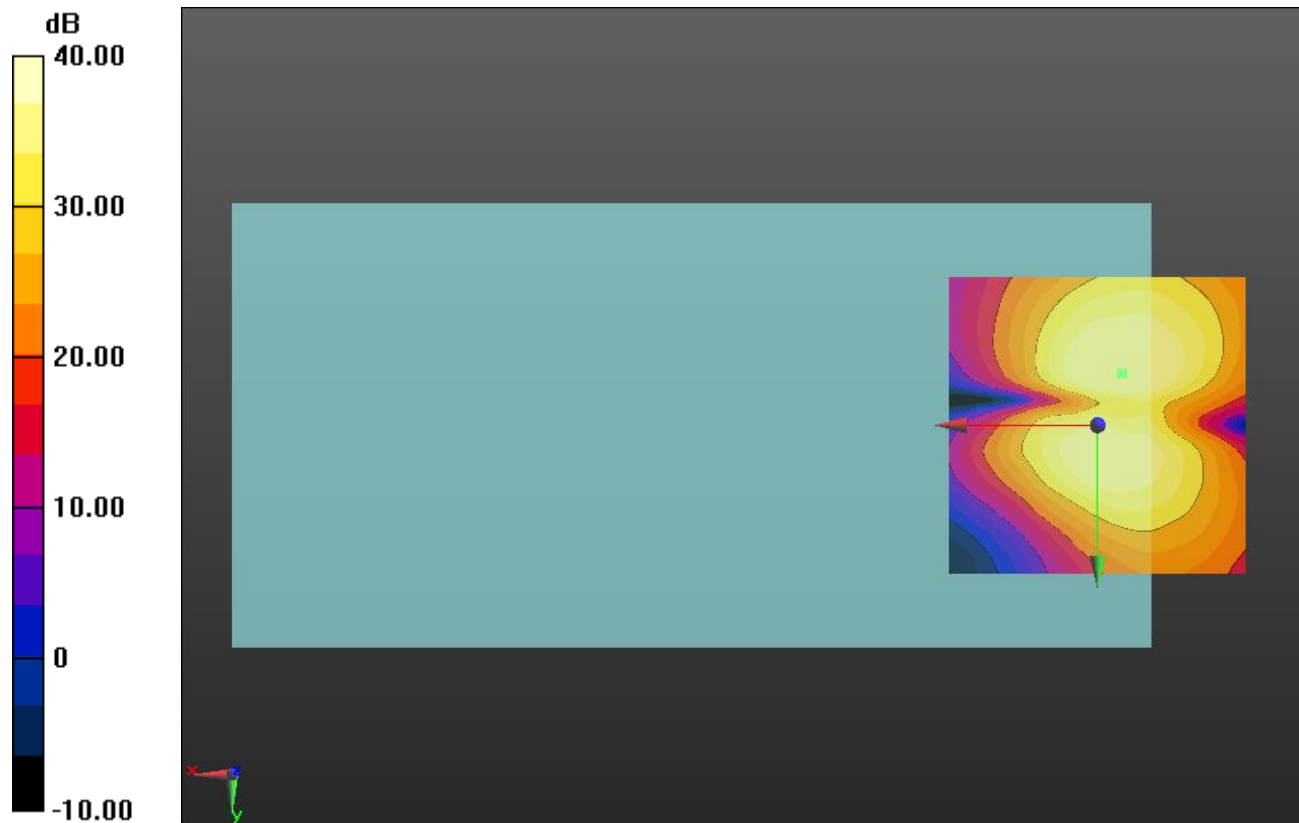
Cursor:

ABM1/ABM2 = 43.41 dB

ABM1 comp = -7.22 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Wideband

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)/LAT_General Scans ch 40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

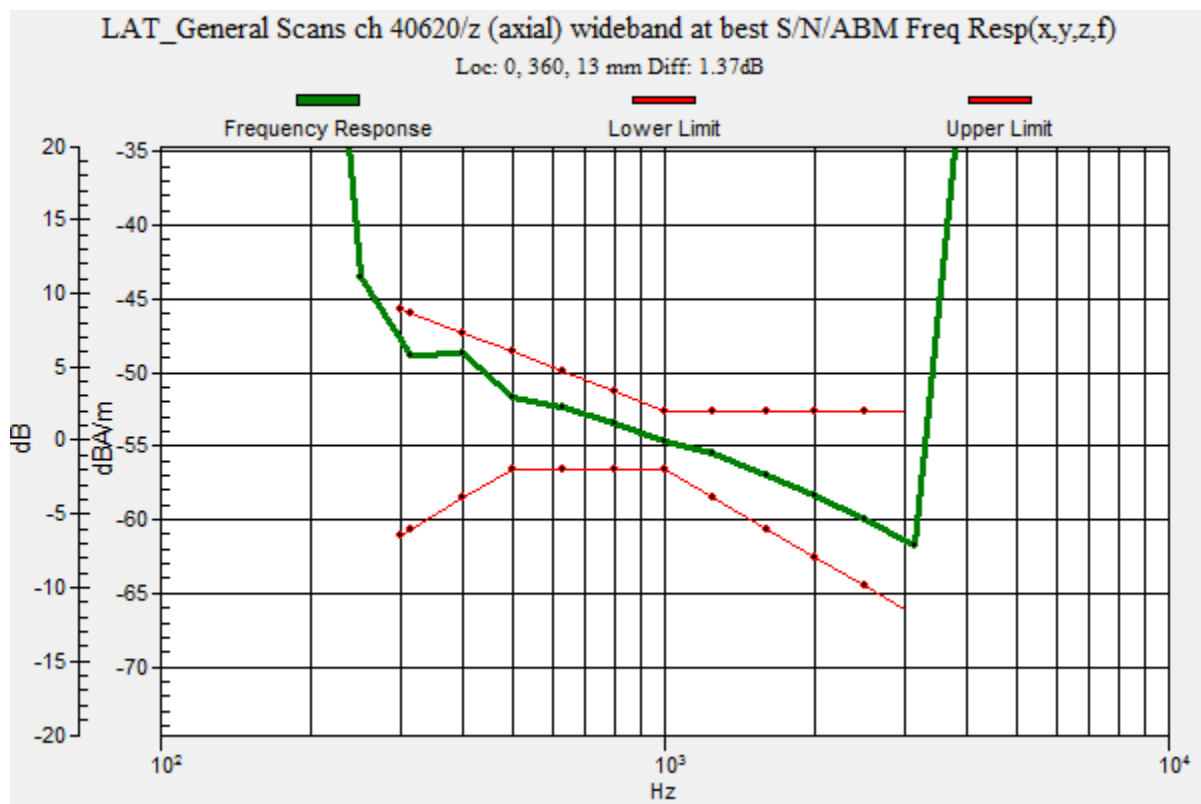
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.37 dB

BWC Factor = 10.81 dB

Location: 0, 360, 13 mm



LTE Band 41 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

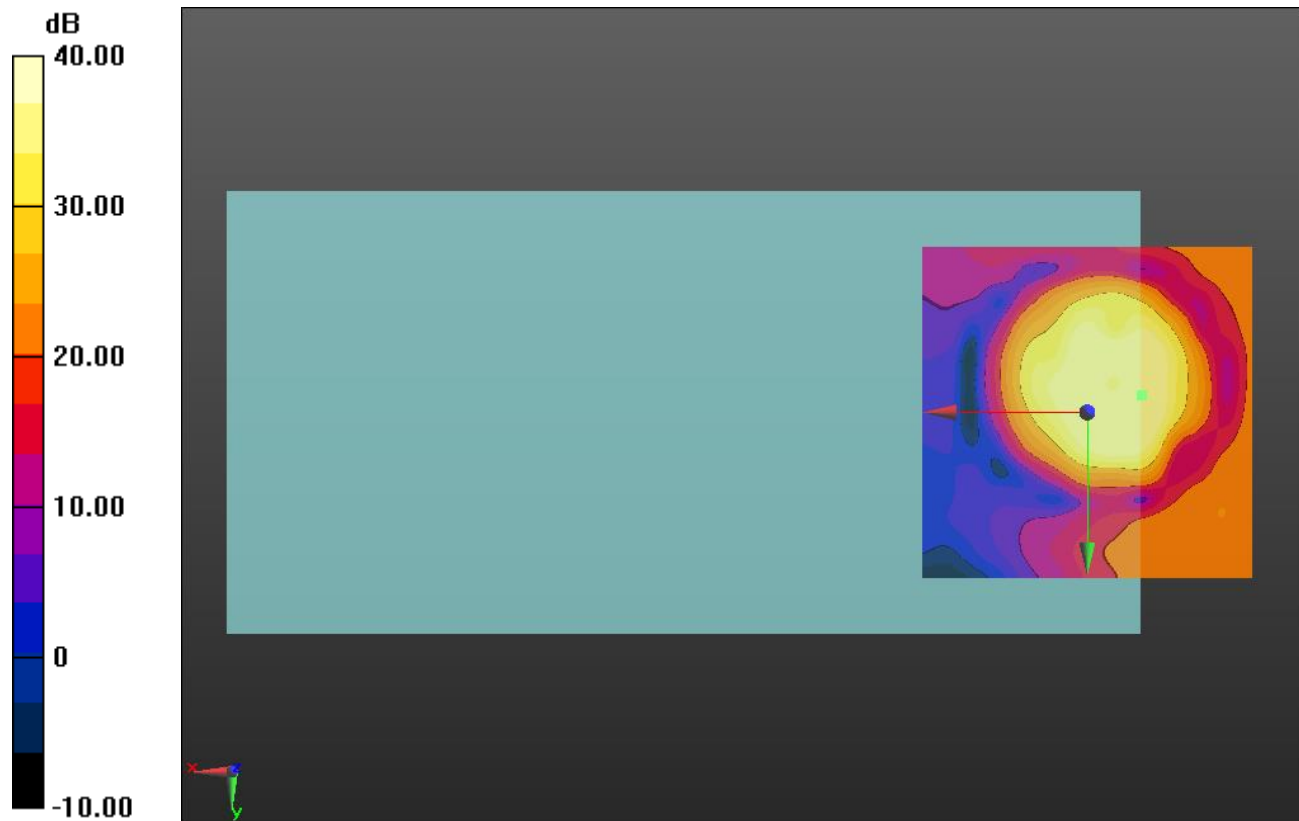
Cursor:

ABM1/ABM2 = 44.19 dB

ABM1 comp = -5.38 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, -2.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 41 Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/9/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

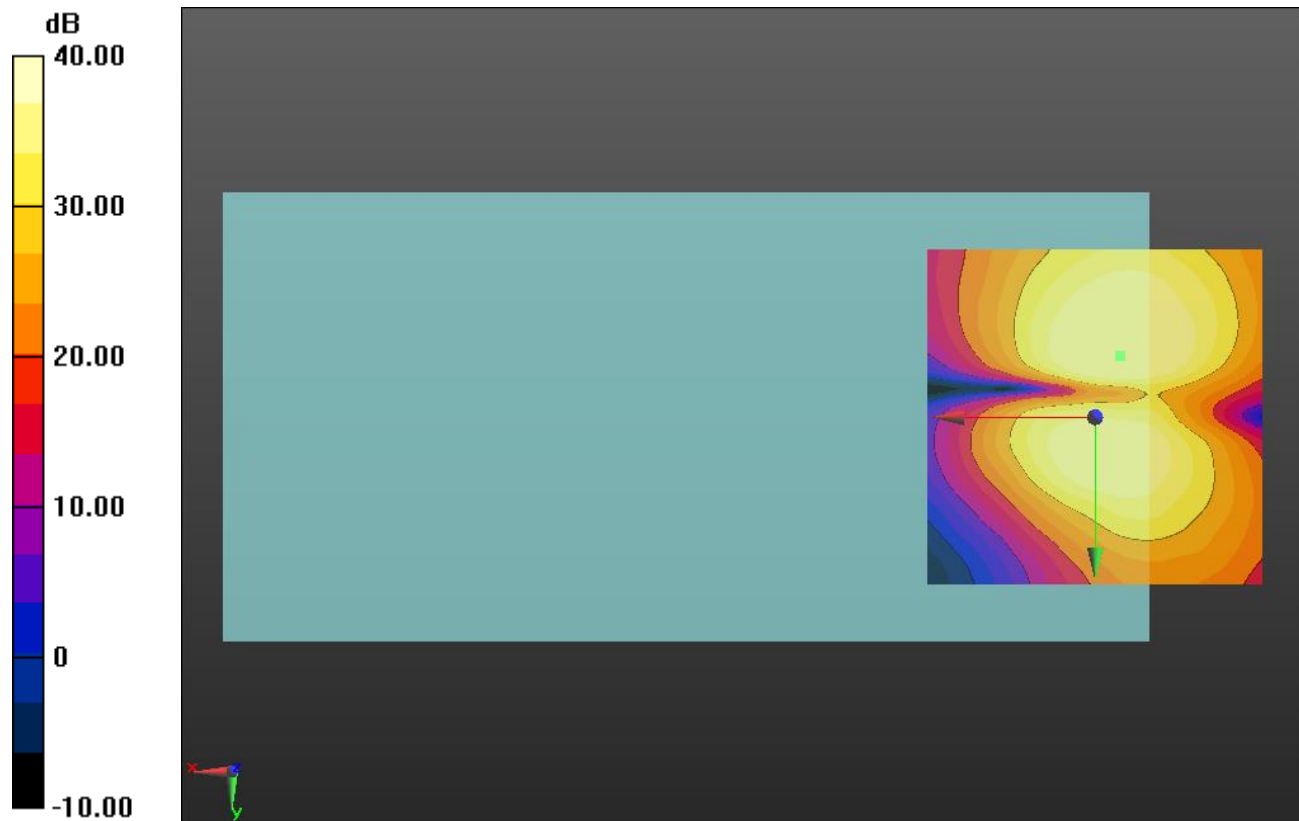
Cursor:

ABM1/ABM2 = 43.84 dB

ABM1 comp = -7.24 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB