

GSM 850

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

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/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: 71.07

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

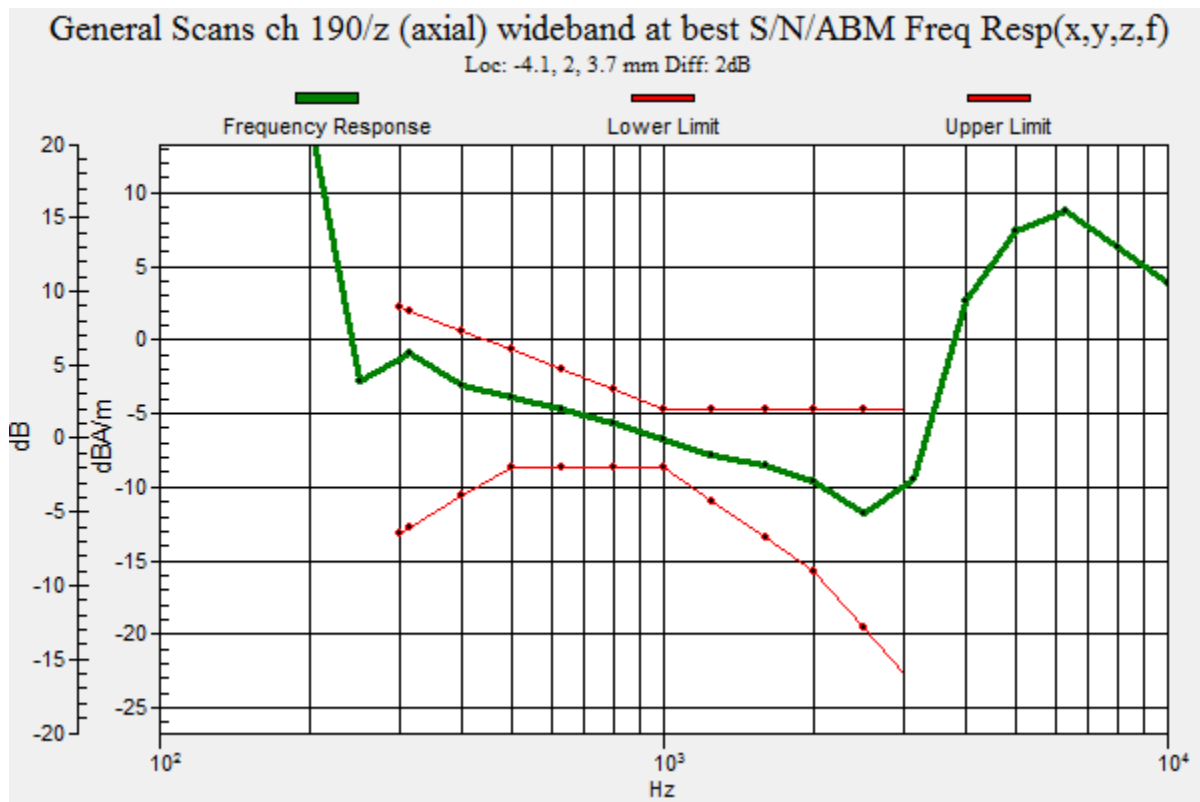
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.1, 2, 3.7 mm



GSM 850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

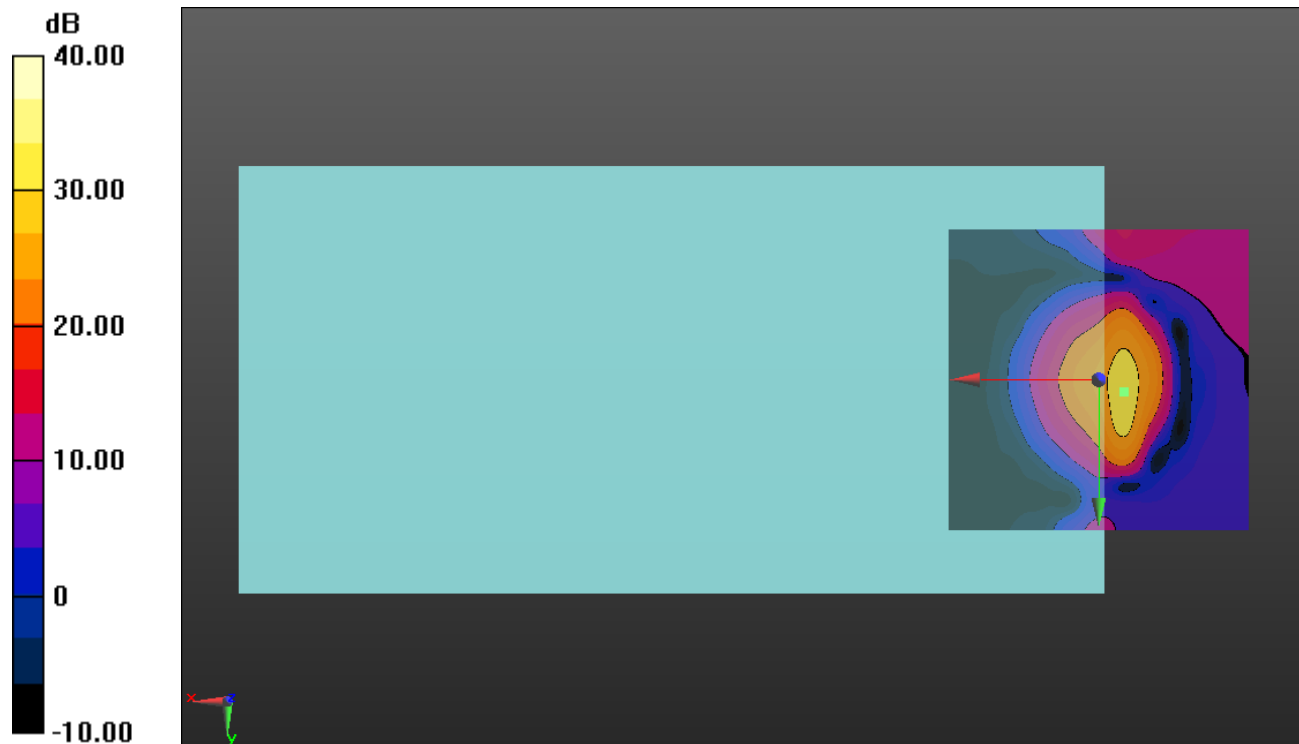
Cursor:

ABM1/ABM2 = 32.48 dB

ABM1 comp = -8.11 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 2.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

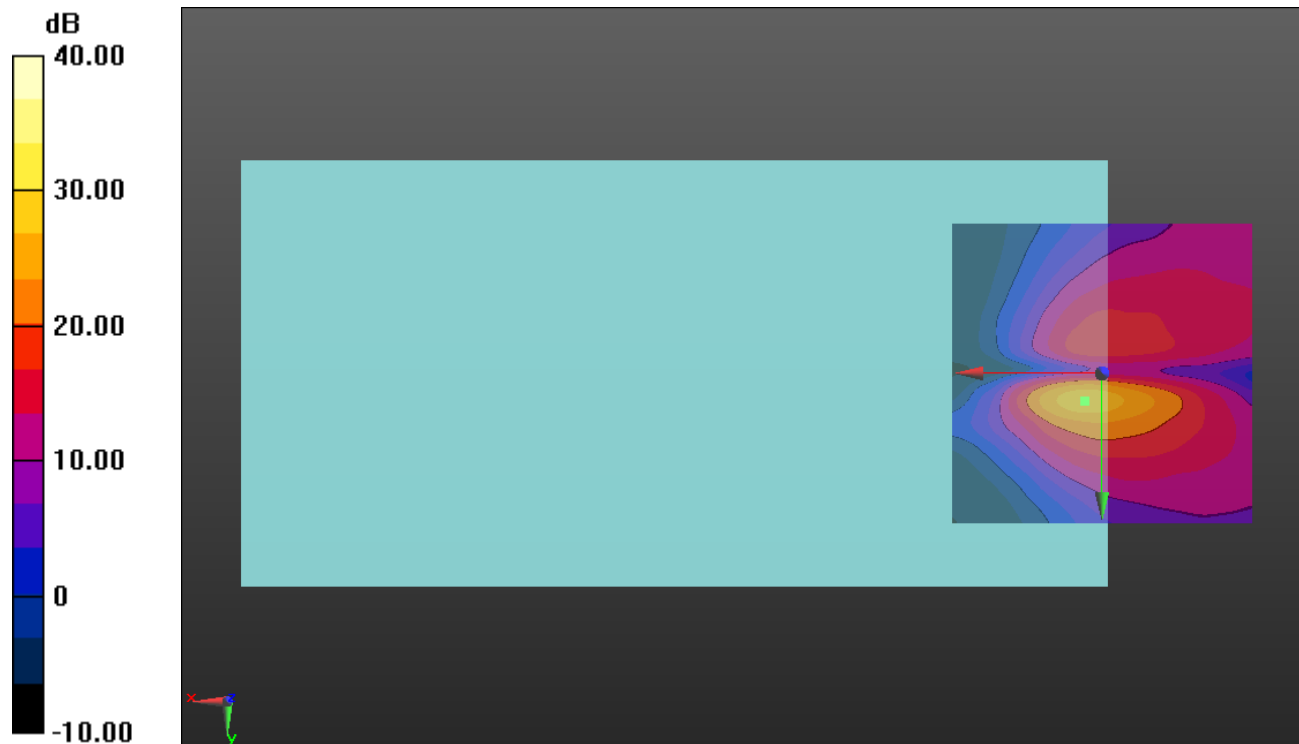
Cursor:

ABM1/ABM2 = 29.22 dB

ABM1 comp = -8.64 dBA/m

BWC Factor = 0.16 dB

Location: 2.9, 4.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 1900

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

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/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: 71.07

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

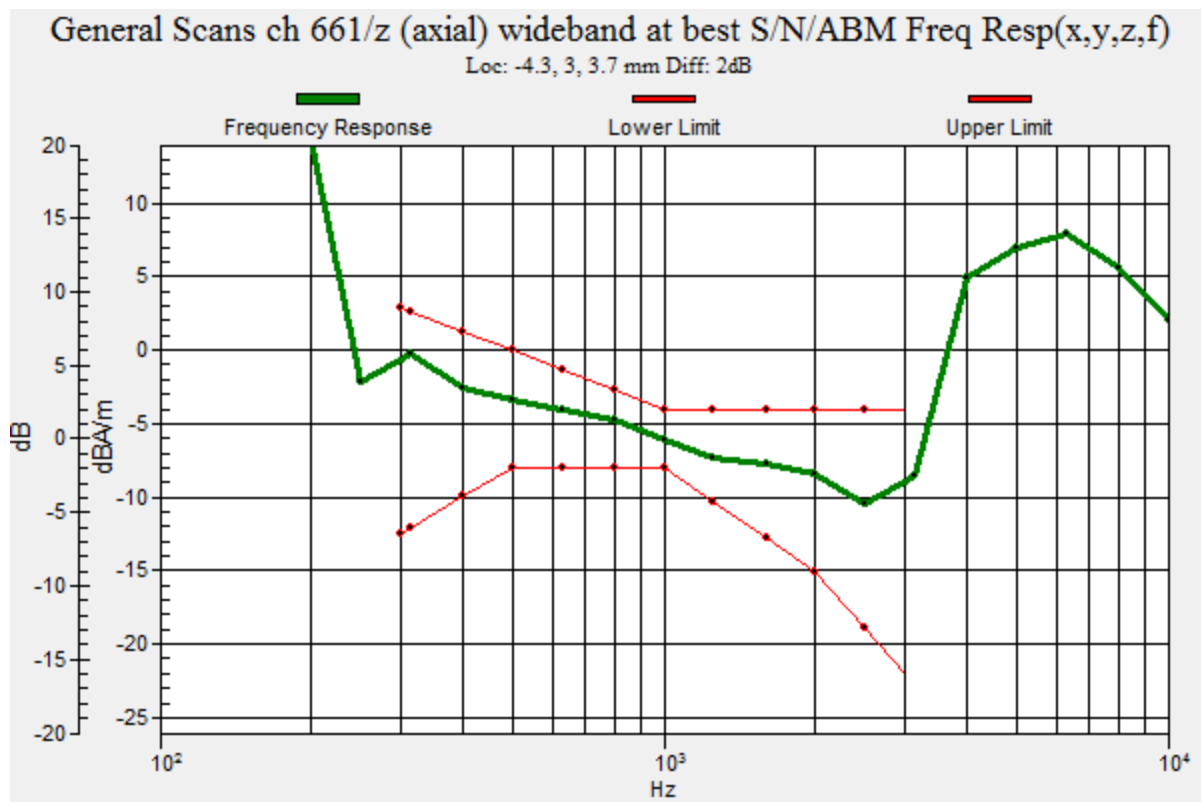
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.3, 3, 3.7 mm



GSM 1900

Frequency: 1880 MHz; Duty Cycle: 1:8.00018; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

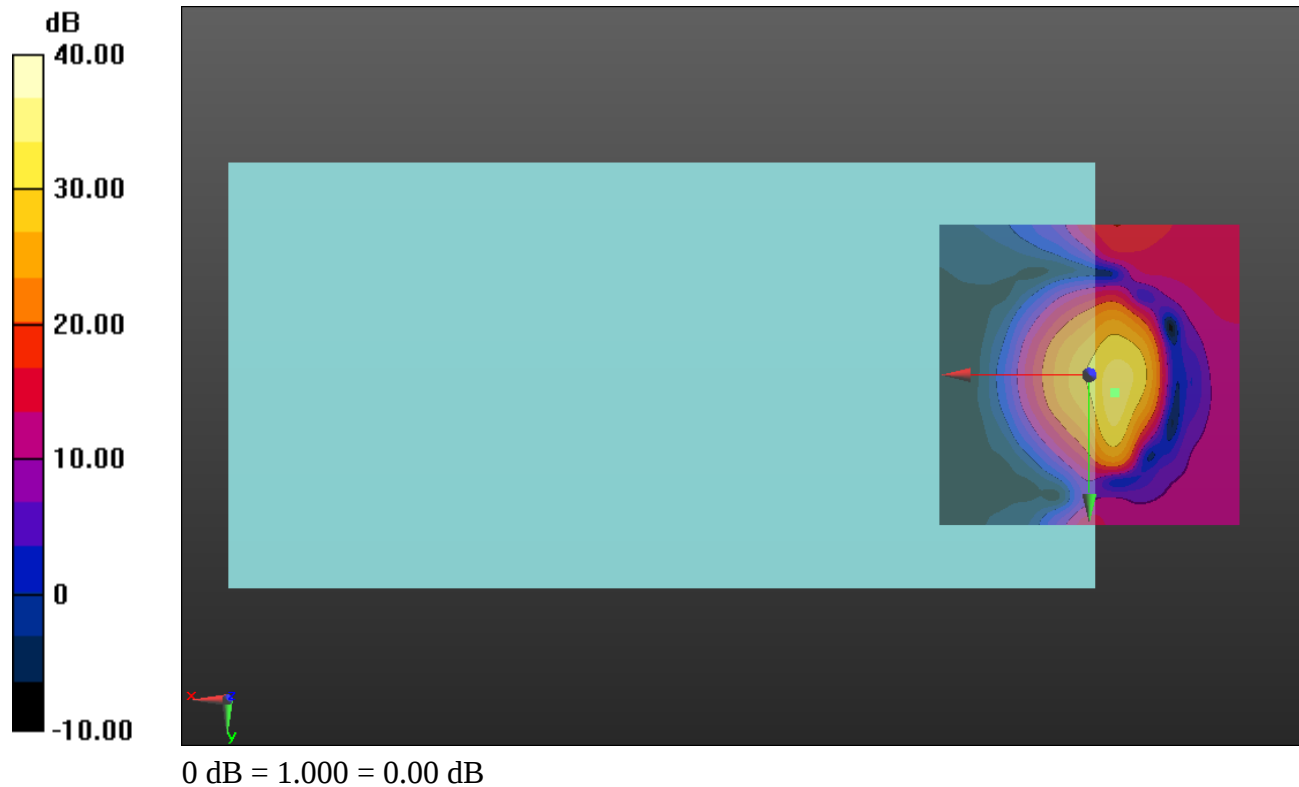
Cursor:

ABM1/ABM2 = 35.03 dB

ABM1 comp = -6.90 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 2.9, 3.7 mm



GSM 1900

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

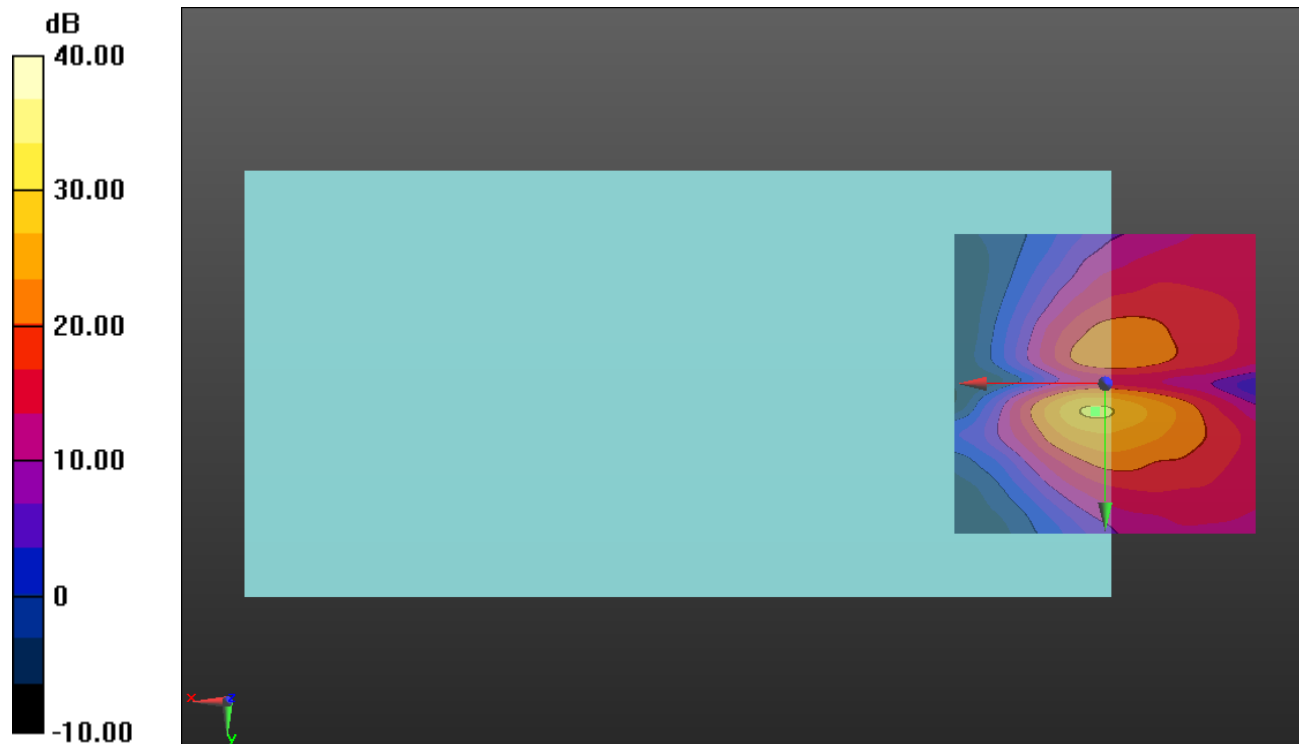
Cursor:

ABM1/ABM2 = 30.51 dB

ABM1 comp = -8.62 dBA/m

BWC Factor = 0.16 dB

Location: 1.7, 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 C63.19-2007 & 2011 compliance)/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: 71.07

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

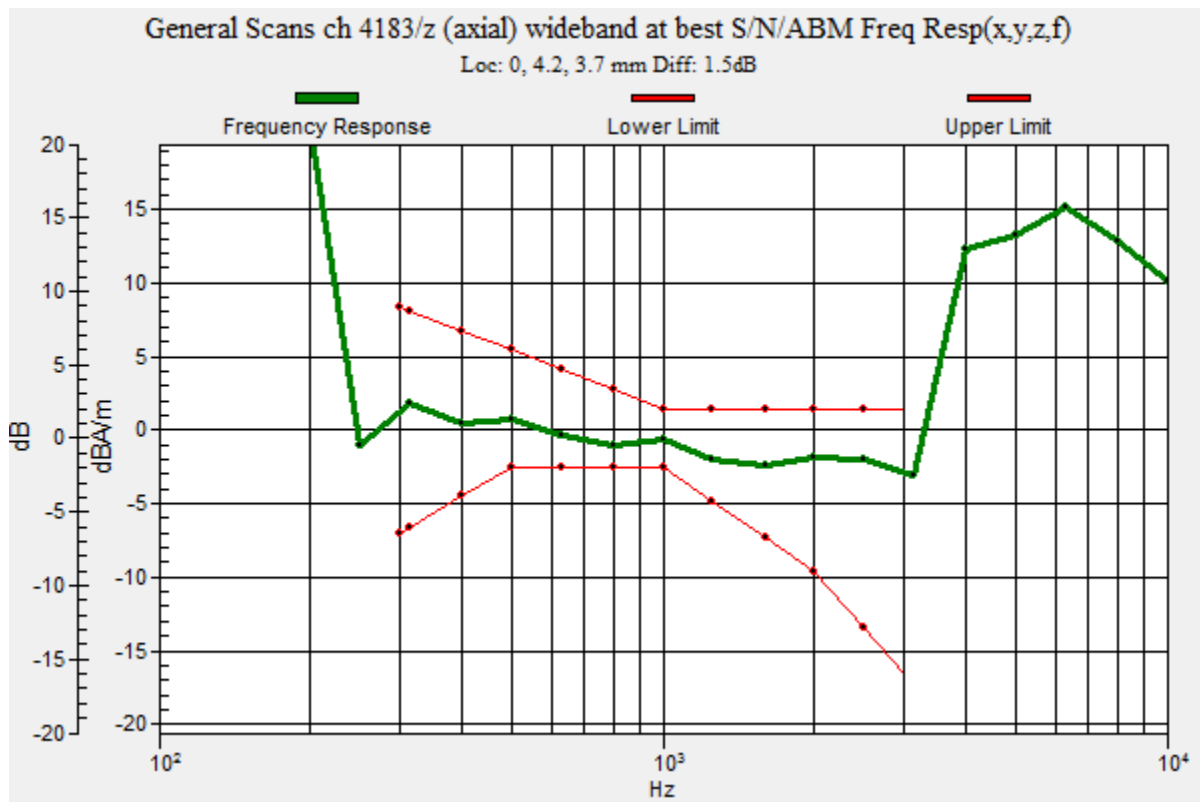
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.50 dB

BWC Factor = 10.80 dB

Location: 0, 4.2, 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 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

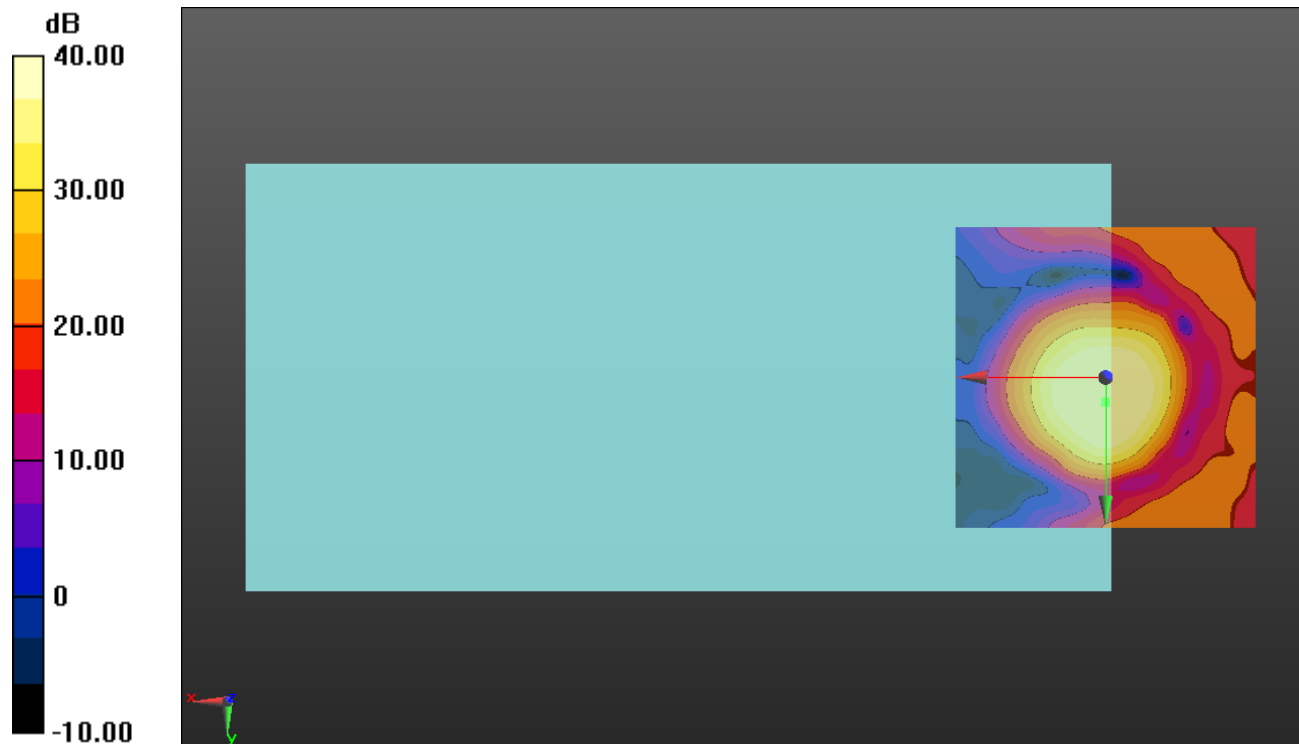
Cursor:

ABM1/ABM2 = 44.31 dB

ABM1 comp = -1.63 dBA/m

BWC Factor = 0.16 dB

Location: 0, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

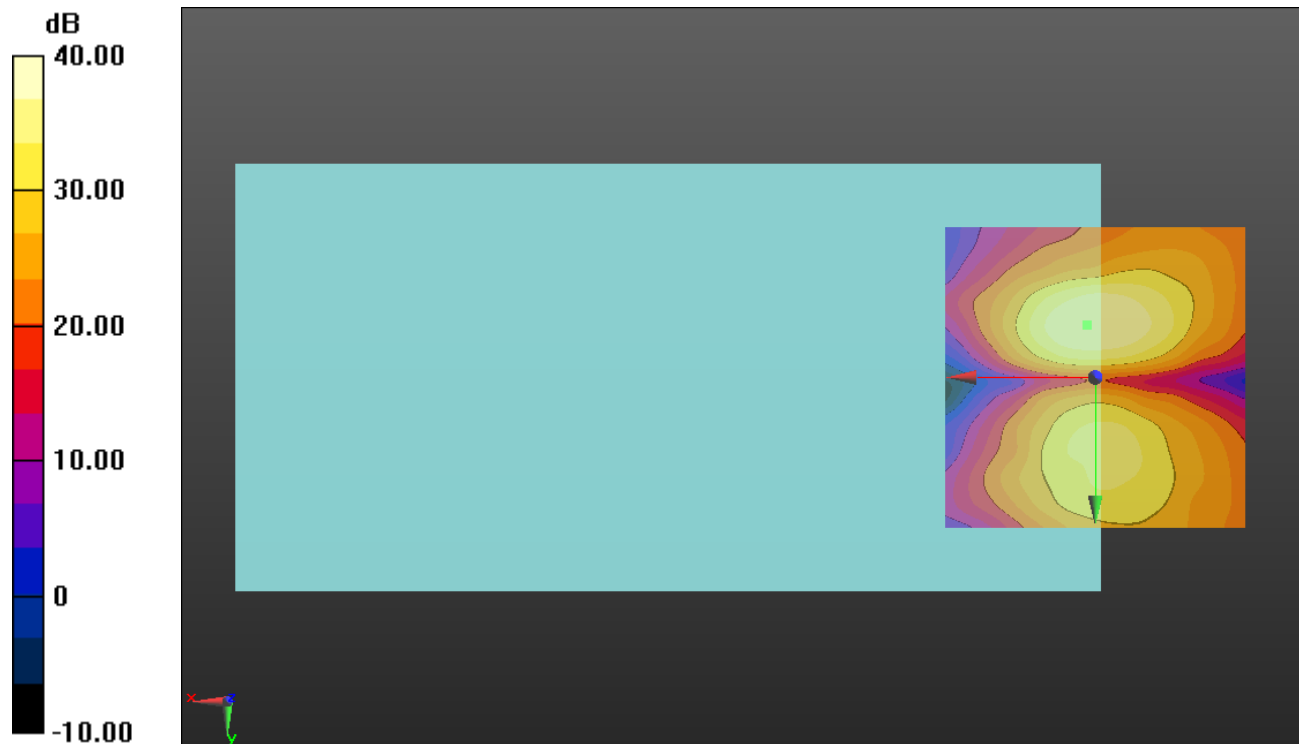
Cursor:

ABM1/ABM2 = 41.09 dB

ABM1 comp = -6.61 dBA/m

BWC Factor = 0.16 dB

Location: 1.3, -8.8, 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 C63.19-2007 & 2011 compliance)/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: 71.07

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

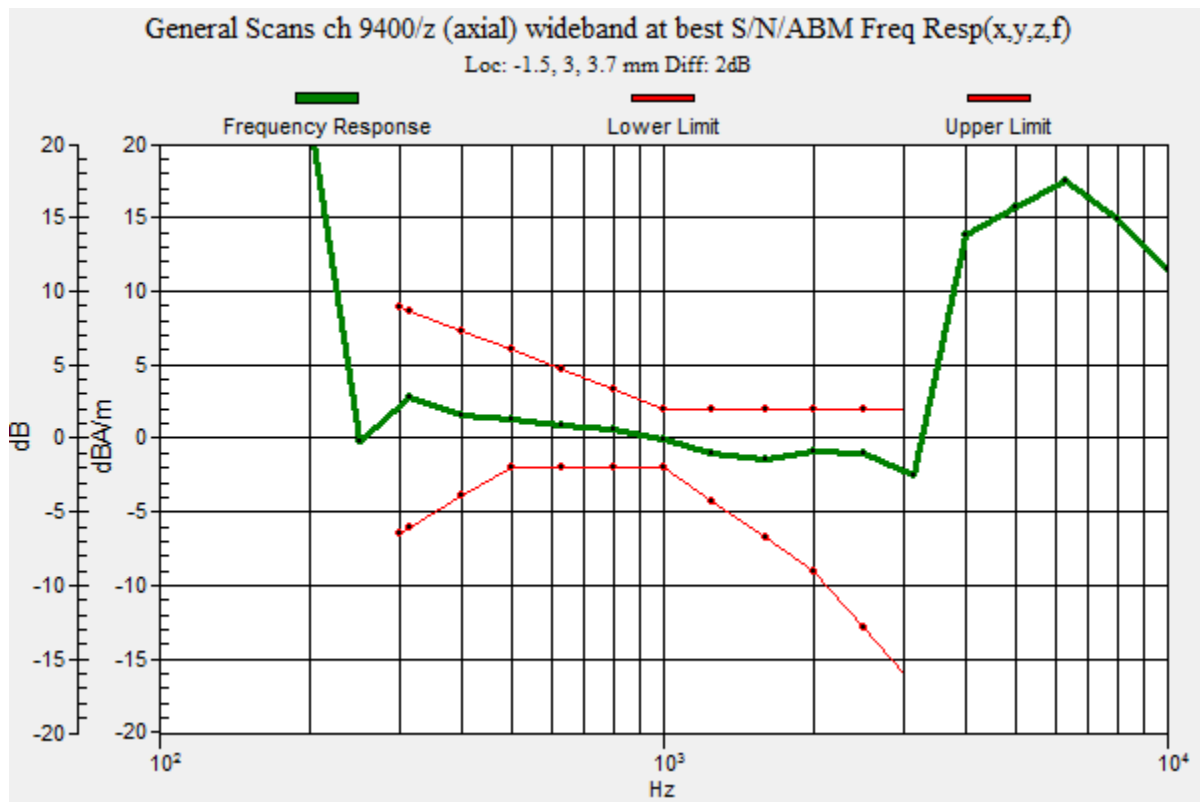
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -1.5, 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 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

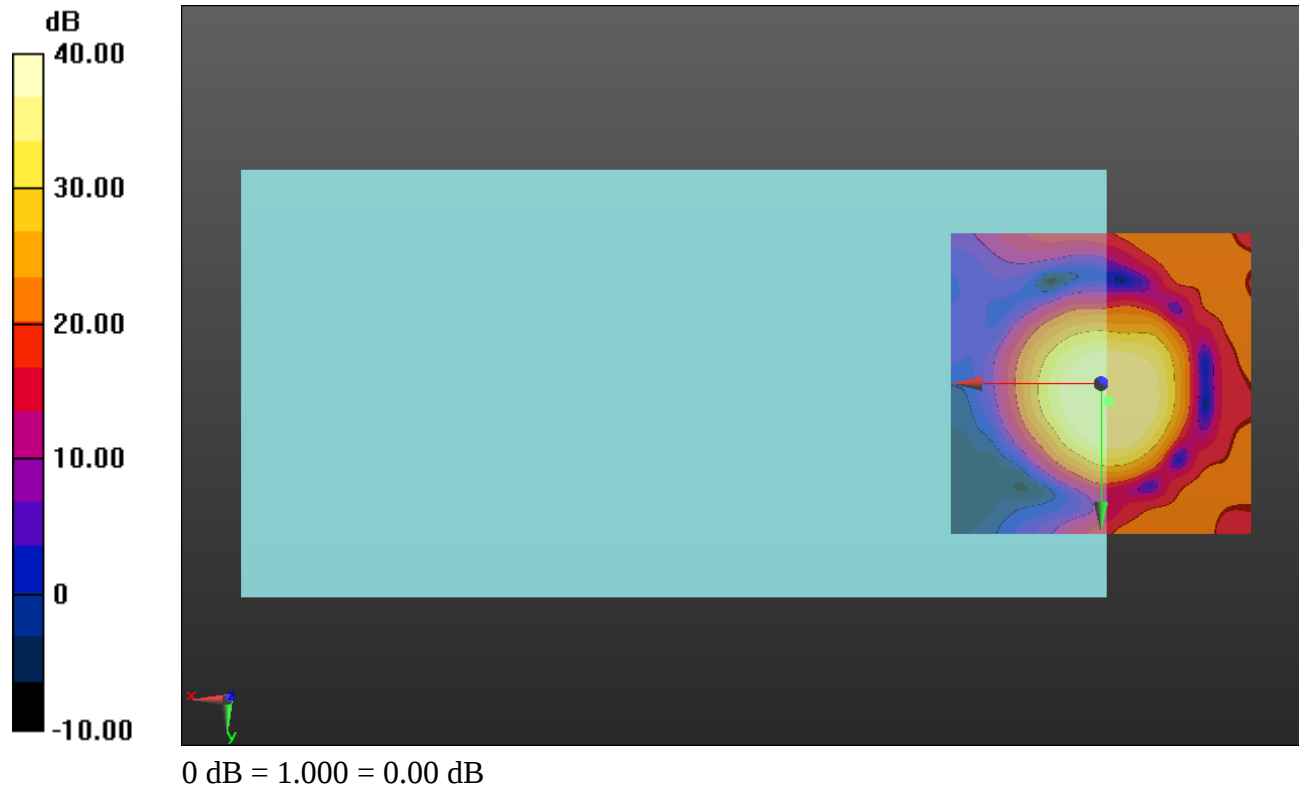
Cursor:

ABM1/ABM2 = 43.26 dB

ABM1 comp = -0.85 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, 2.9, 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 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 36.33

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

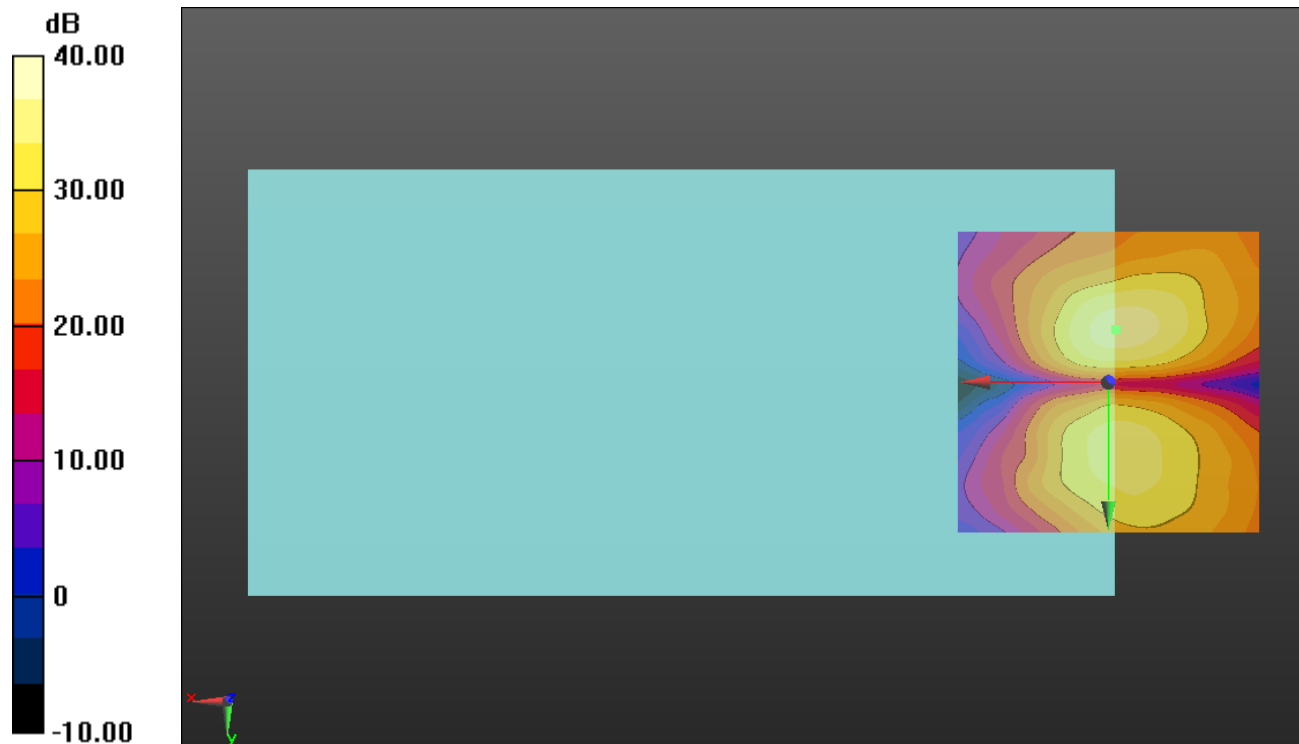
Cursor:

ABM1/ABM2 = 38.70 dB

ABM1 comp = -6.44 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC0

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

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/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: 54.75

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

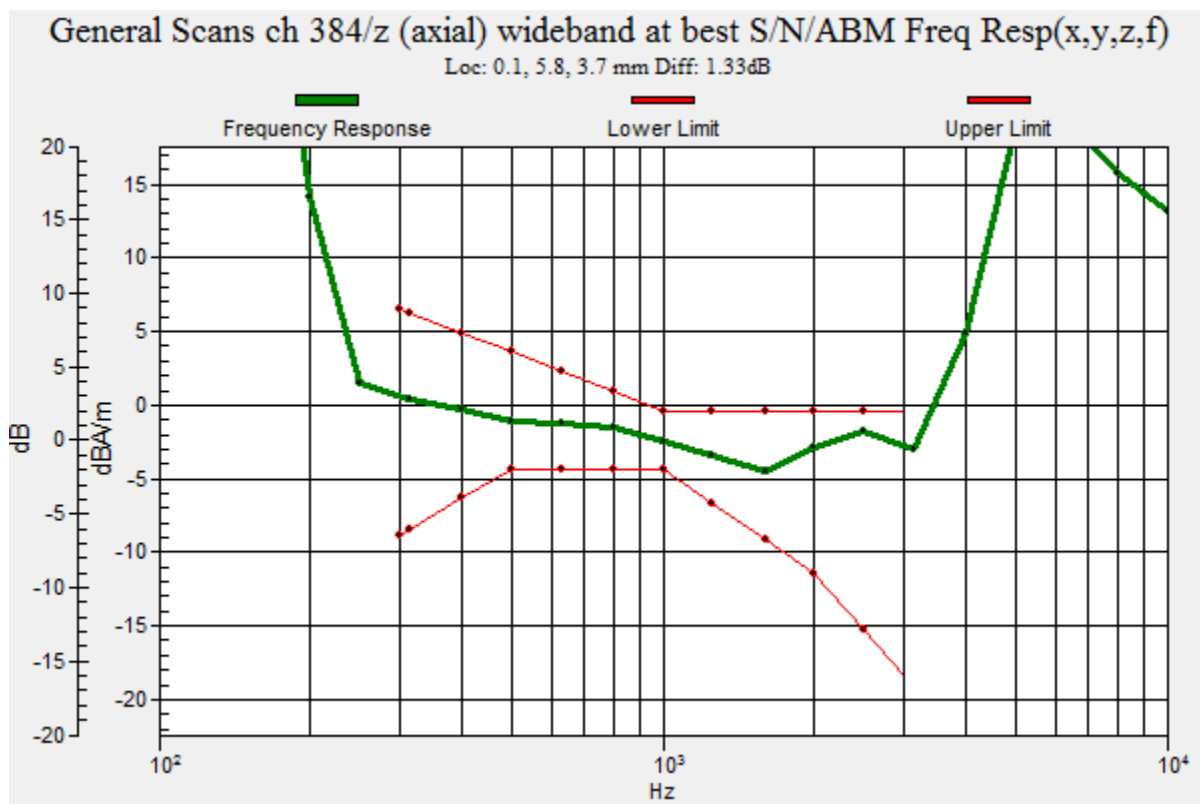
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.33 dB

BWC Factor = 10.80 dB

Location: 0.1, 5.8, 3.7 mm



CDMA BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 27.75

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

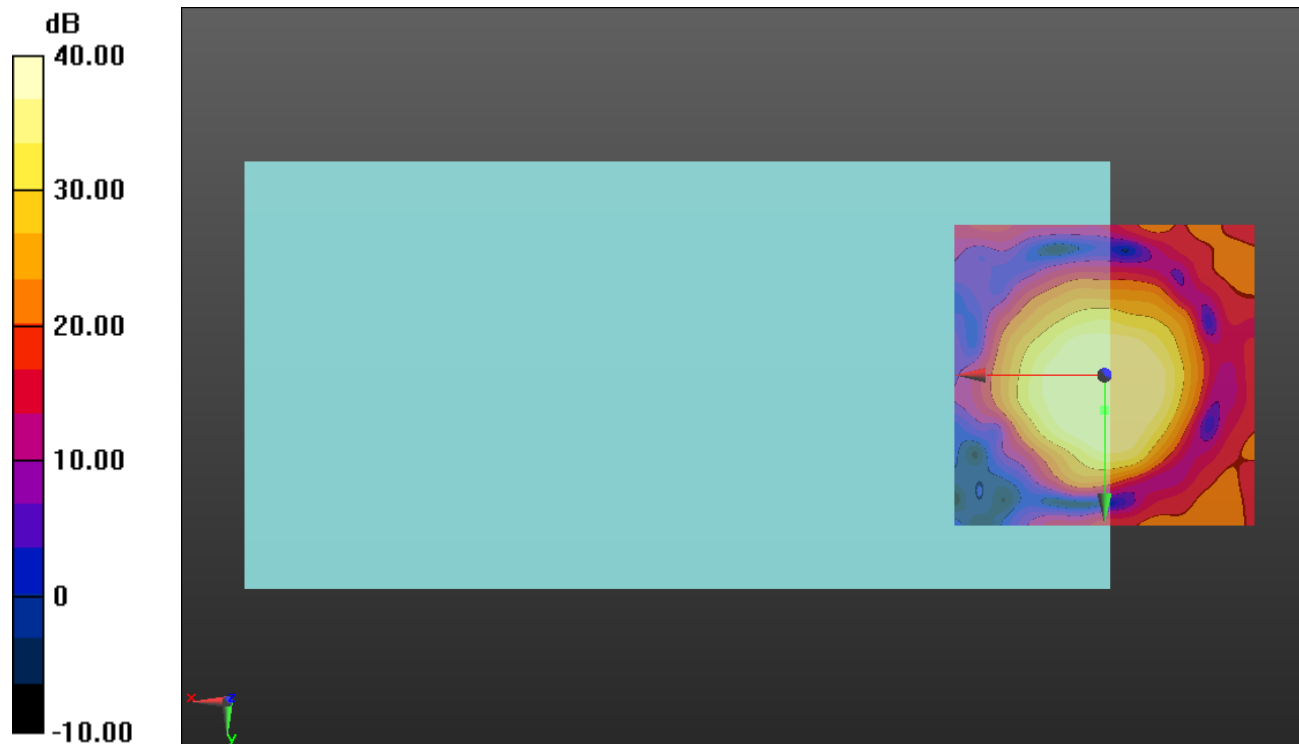
Cursor:

ABM1/ABM2 = 44.81 dB

ABM1 comp = -2.72 dBA/m

BWC Factor = 0.16 dB

Location: 0, 5.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC0

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 27.75

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

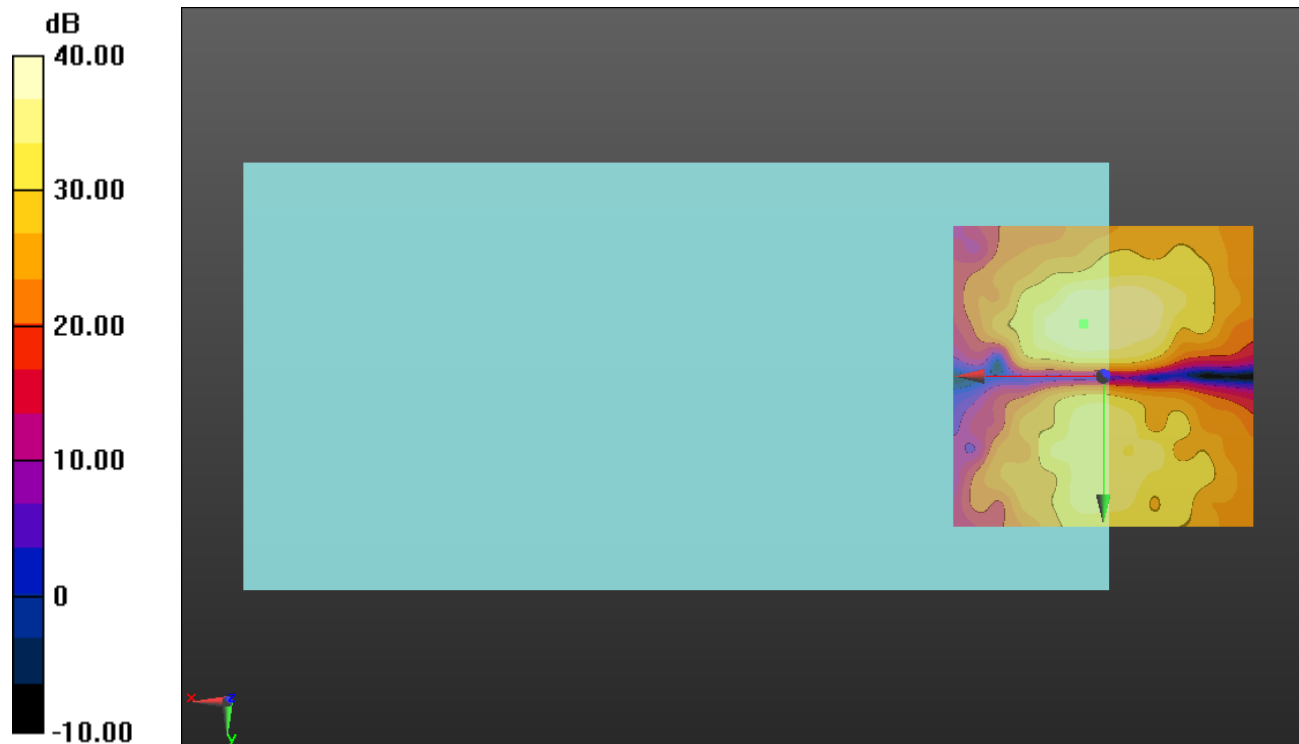
Cursor:

ABM1/ABM2 = 41.93 dB

ABM1 comp = -5.26 dBA/m

BWC Factor = 0.16 dB

Location: 3.3, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC1

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

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/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: 54.75

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

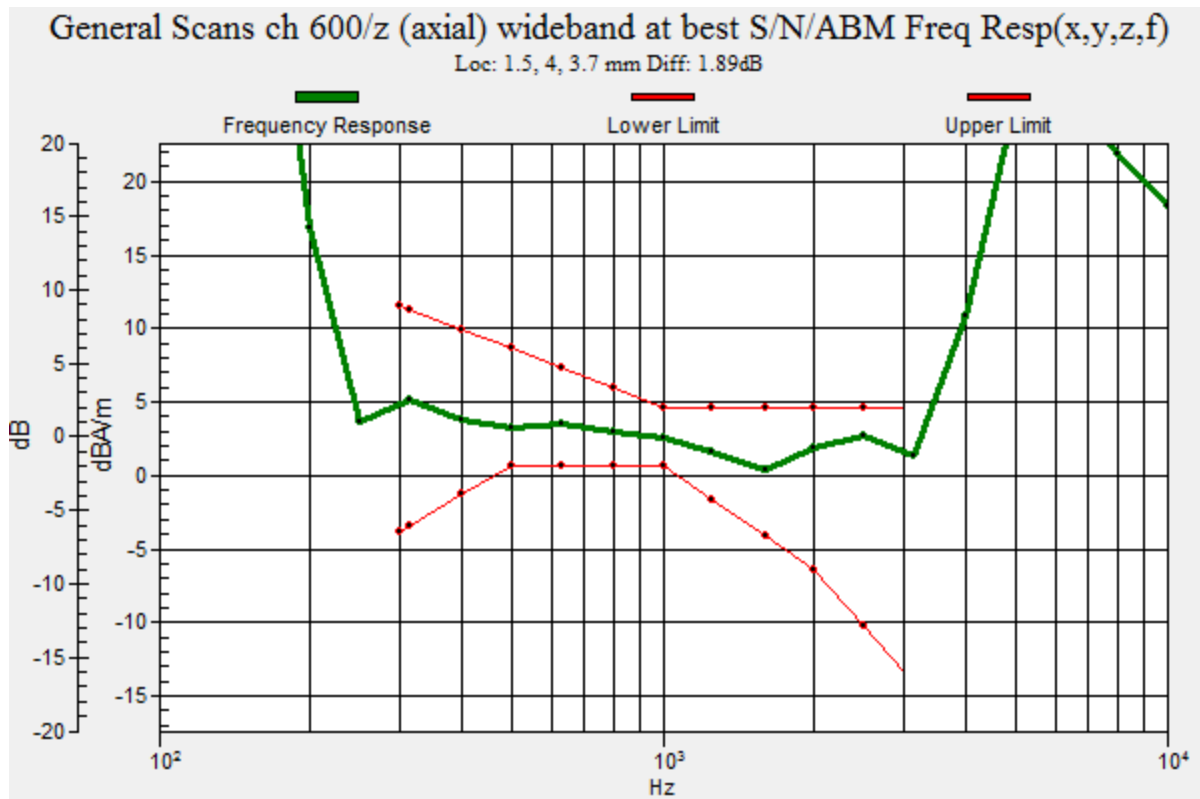
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.89 dB

BWC Factor = 10.80 dB

Location: 1.5, 4, 3.7 mm



CDMA BC1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 27.75

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

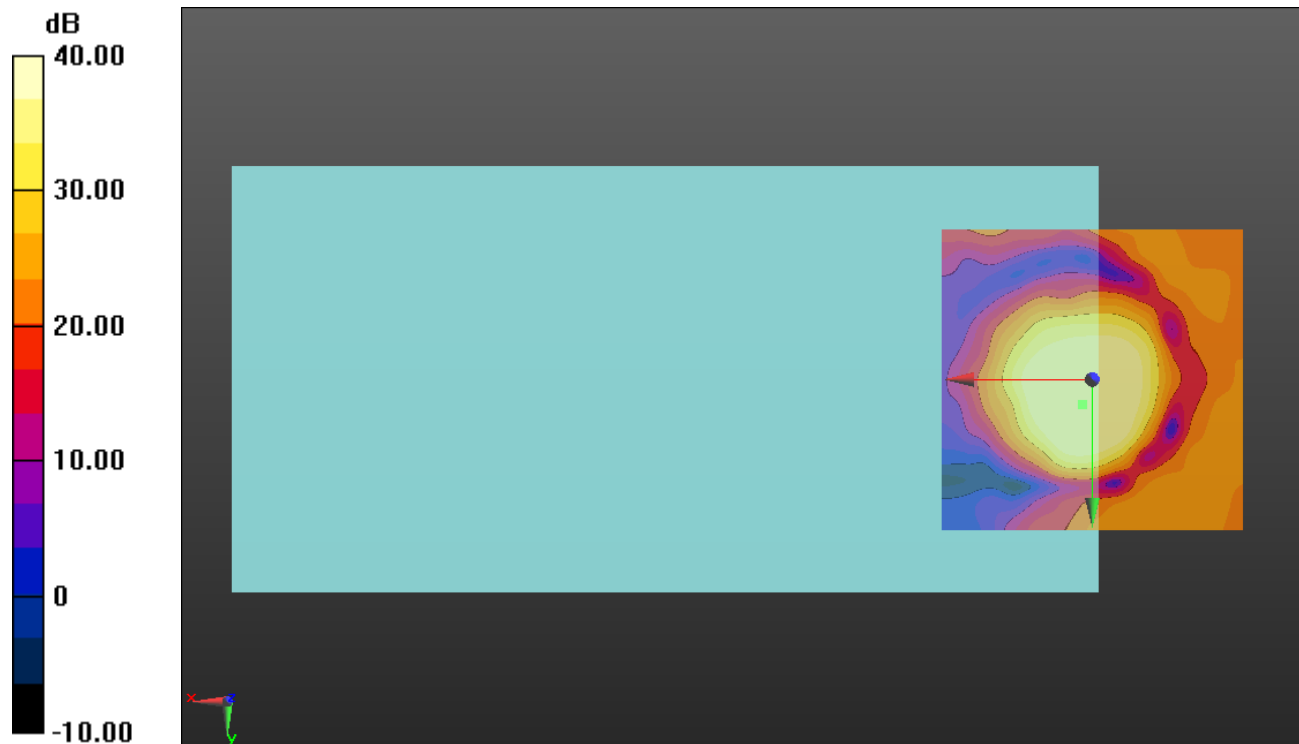
Cursor:

ABM1/ABM2 = 46.79 dB

ABM1 comp = 1.71 dBA/m

BWC Factor = 0.16 dB

Location: 1.7, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

CDMA BC1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 7/18/2014
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- 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 C63.19-2007 & 2011 compliance)/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: 27.75

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

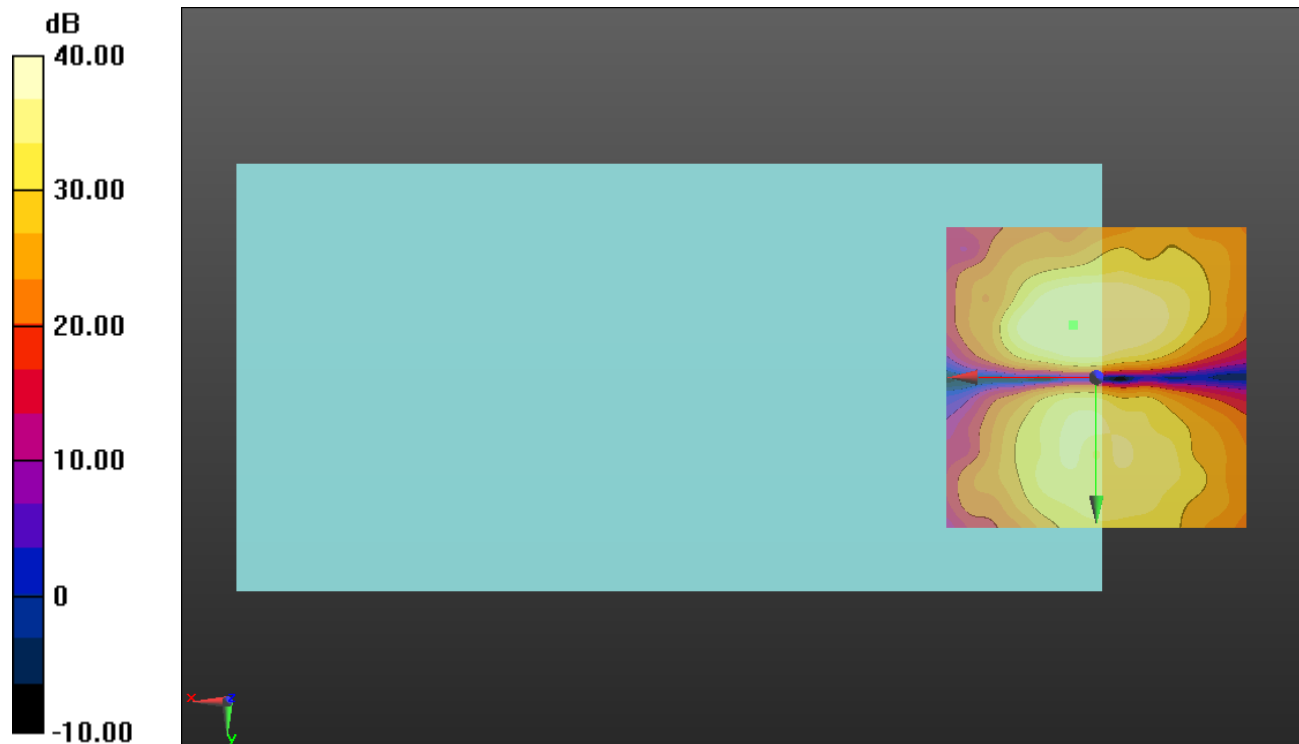
Cursor:

ABM1/ABM2 = 44.32 dB

ABM1 comp = -3.76 dBA/m

BWC Factor = 0.16 dB

Location: 3.8, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB