

# GSM850

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:8

## 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(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

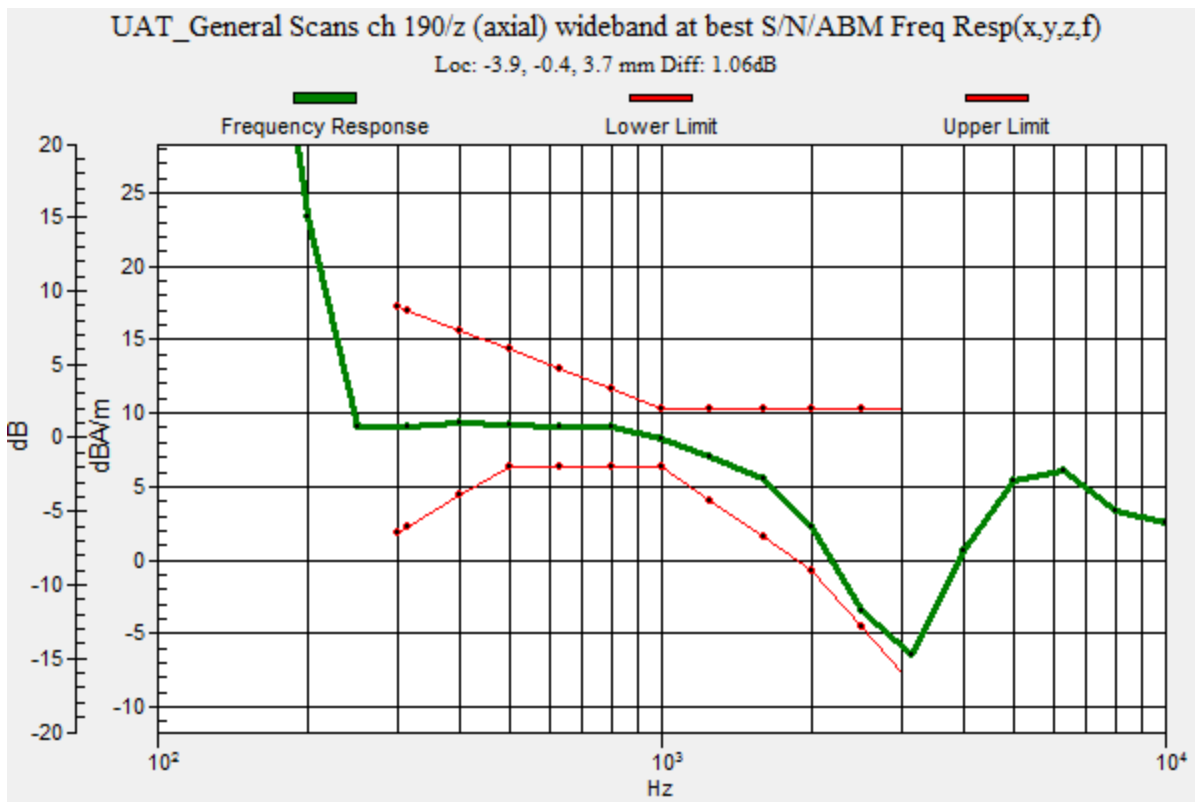
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

### Cursor:

Diff = 1.06 dB

BWC Factor = 10.80 dB

Location: -3.9, -0.4, 3.7 mm



### GSM850

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:8

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 190/z (axial)

**4.2mm 50 x 50/ABM Interpolated SNR(y,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

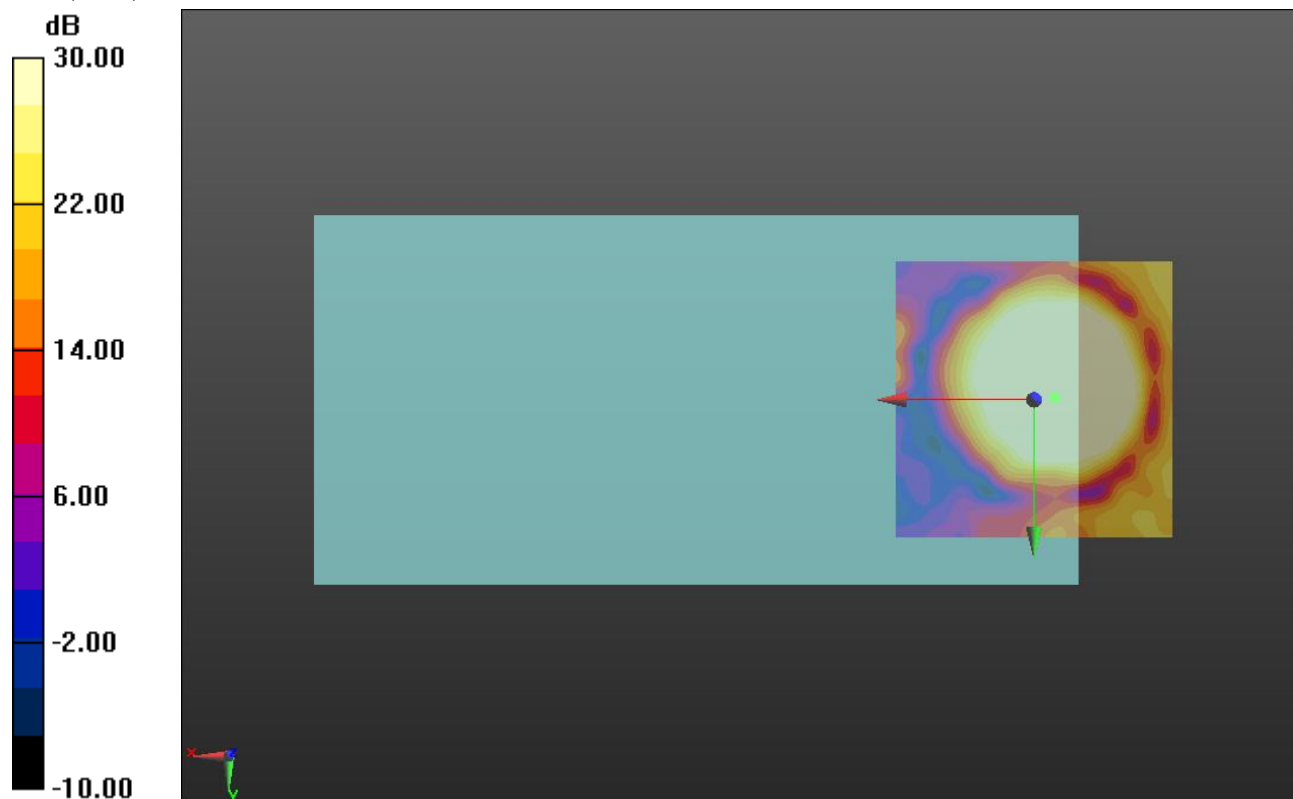
#### Cursor:

ABM1/ABM2 = 46.49 dB

ABM1 comp = 8.11 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -0.4, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 190/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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

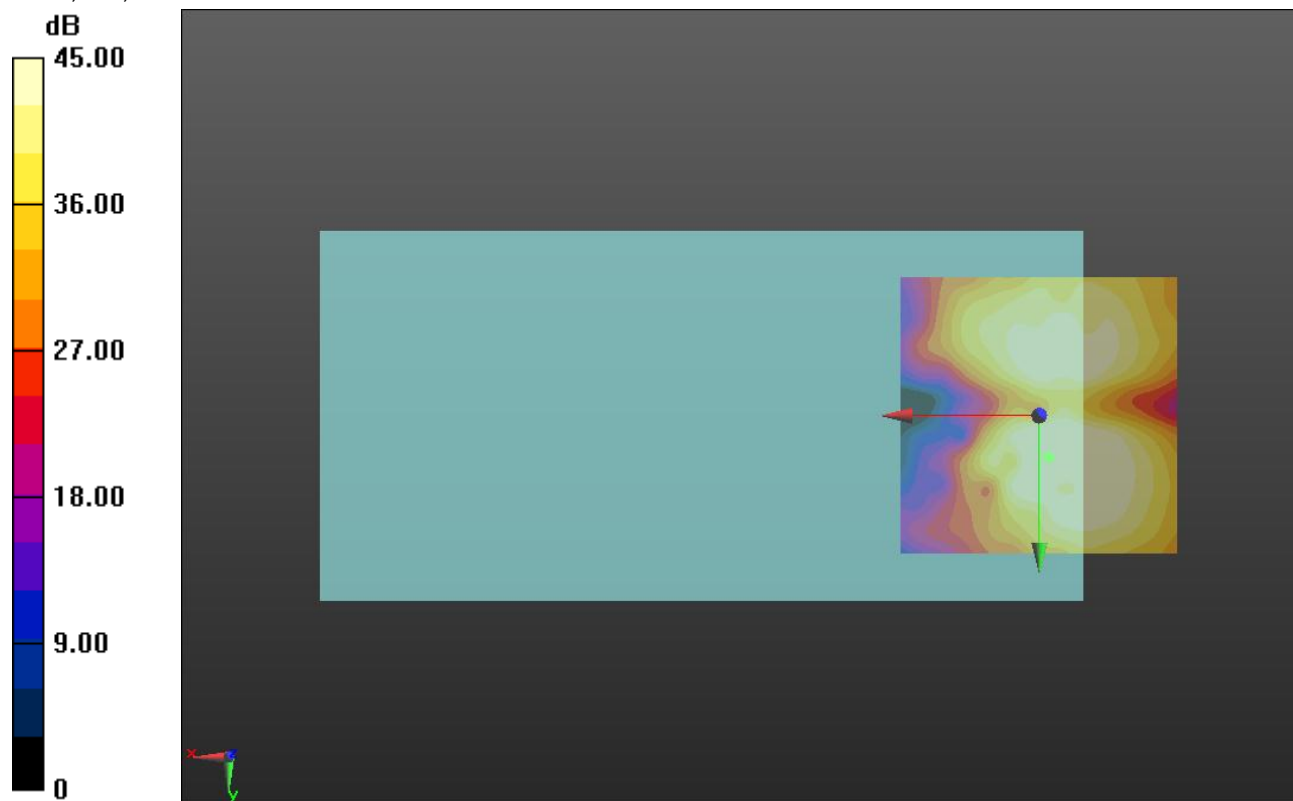
#### Cursor:

ABM1/ABM2 = 50.57 dB

ABM1 comp = 1.09 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, 7.5, 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

## 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(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

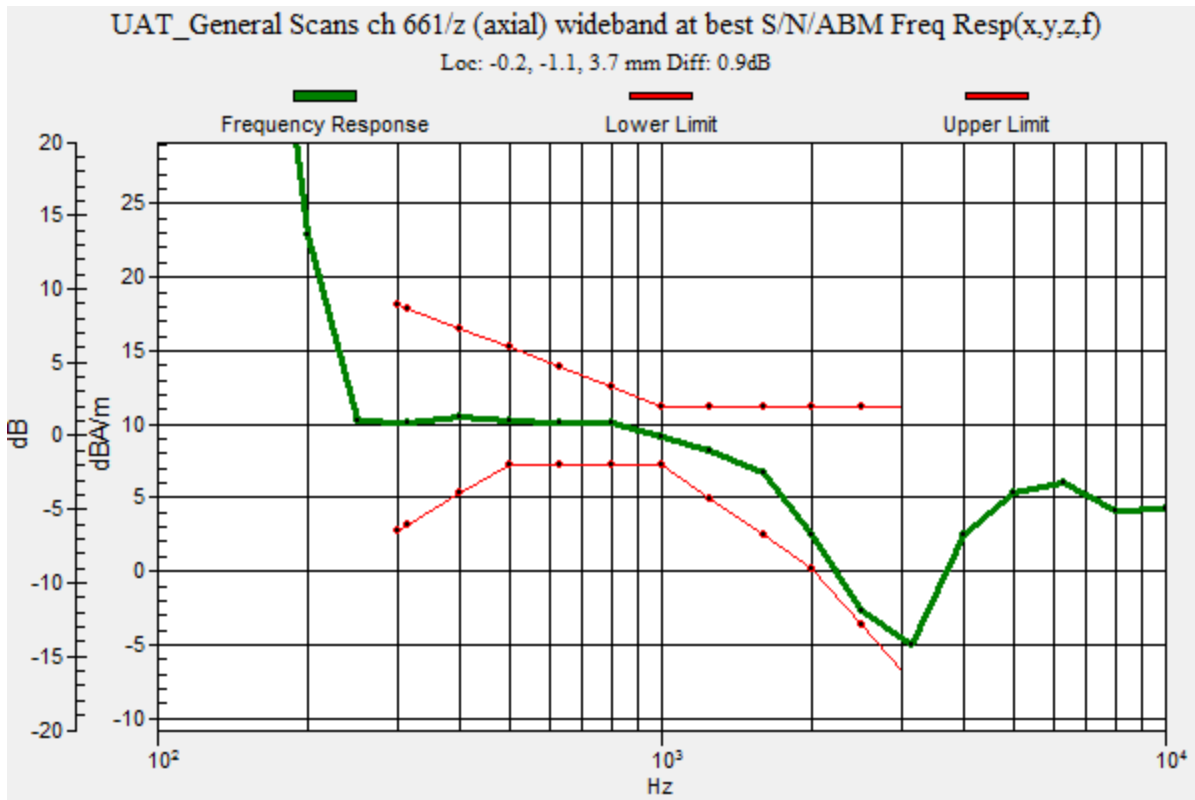
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

### Cursor:

Diff = 0.90 dB

BWC Factor = 10.80 dB

Location: -0.2, -1.1, 3.7 mm



### GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 661/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

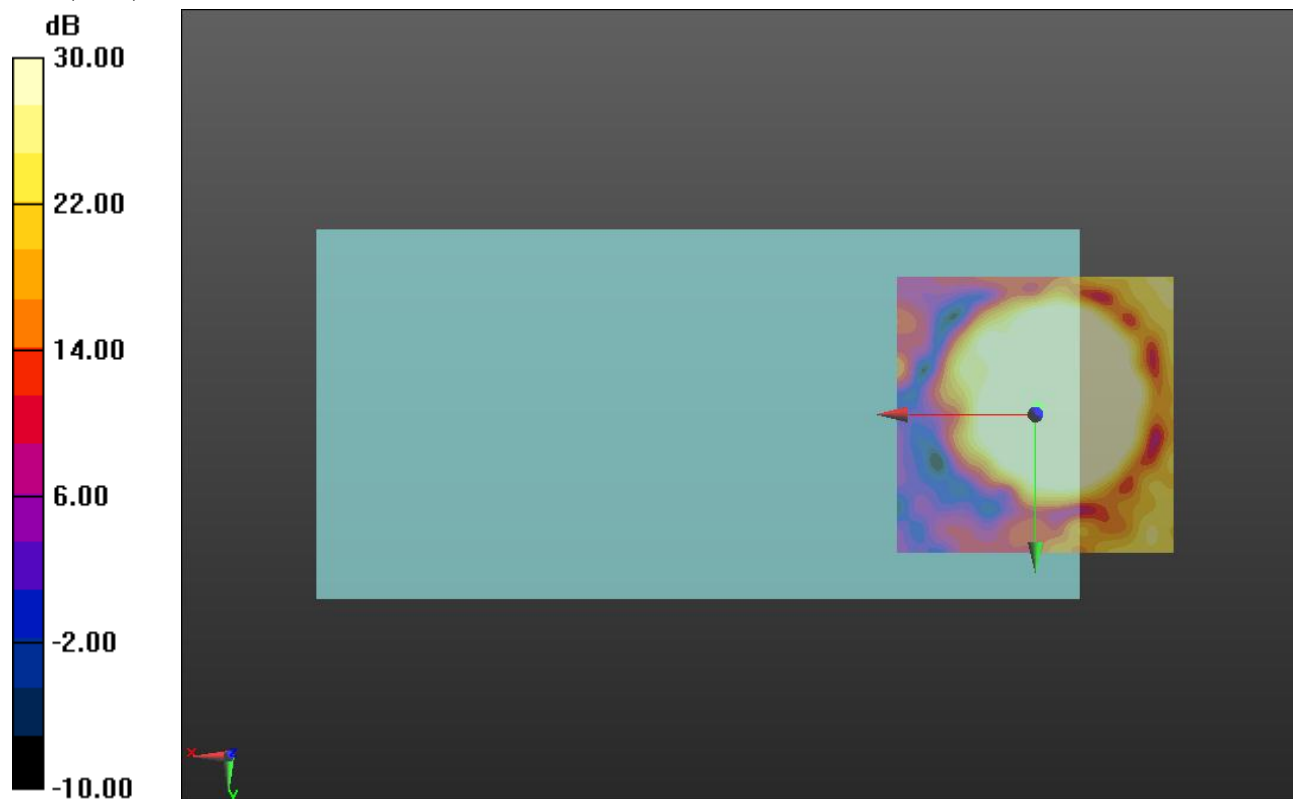
#### Cursor:

ABM1/ABM2 = 49.18 dB

ABM1 comp = 9.33 dBA/m

BWC Factor = 0.15 dB

Location: -0.4, -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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

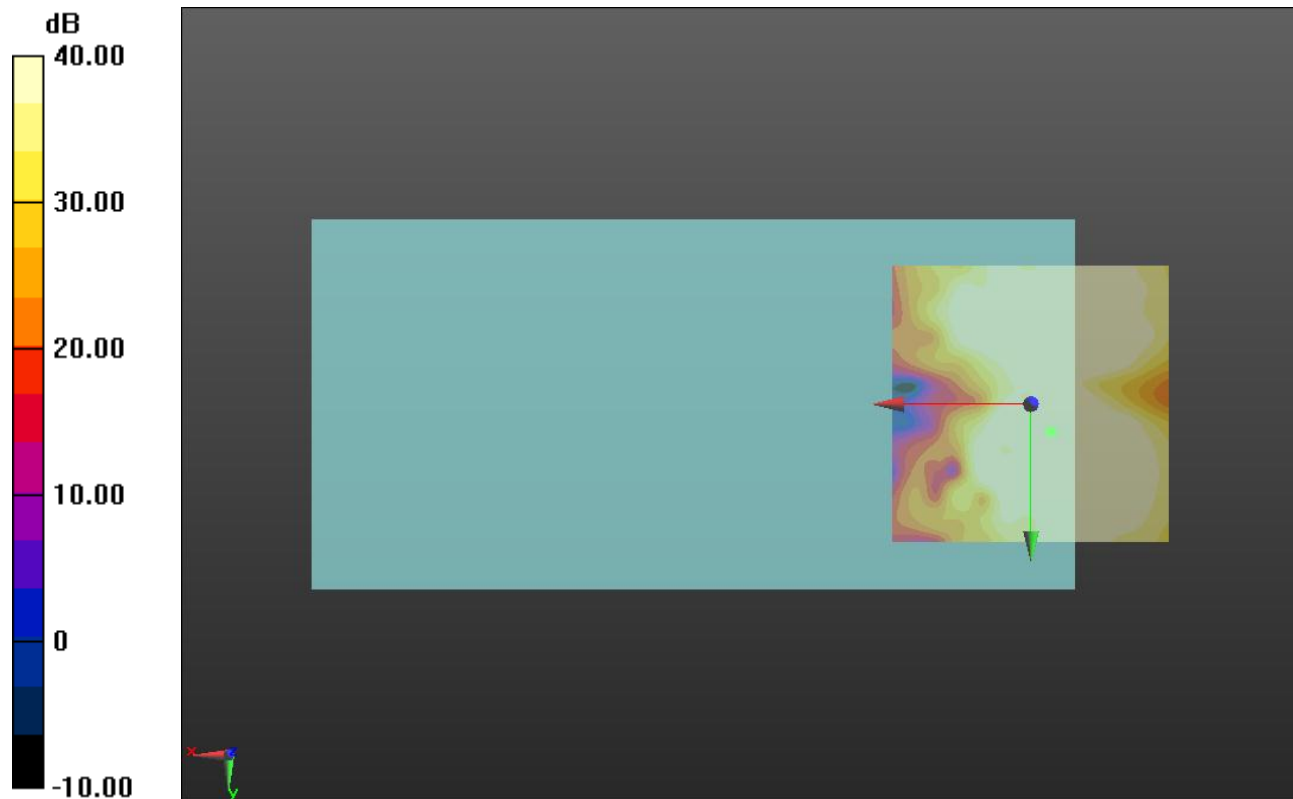
#### Cursor:

ABM1/ABM2 = 50.49 dB

ABM1 comp = 0.60 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, 5, 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)/UAT\_General Scans ch 4183/z (axial) wideband at best S/N/ABM Freq Resp(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

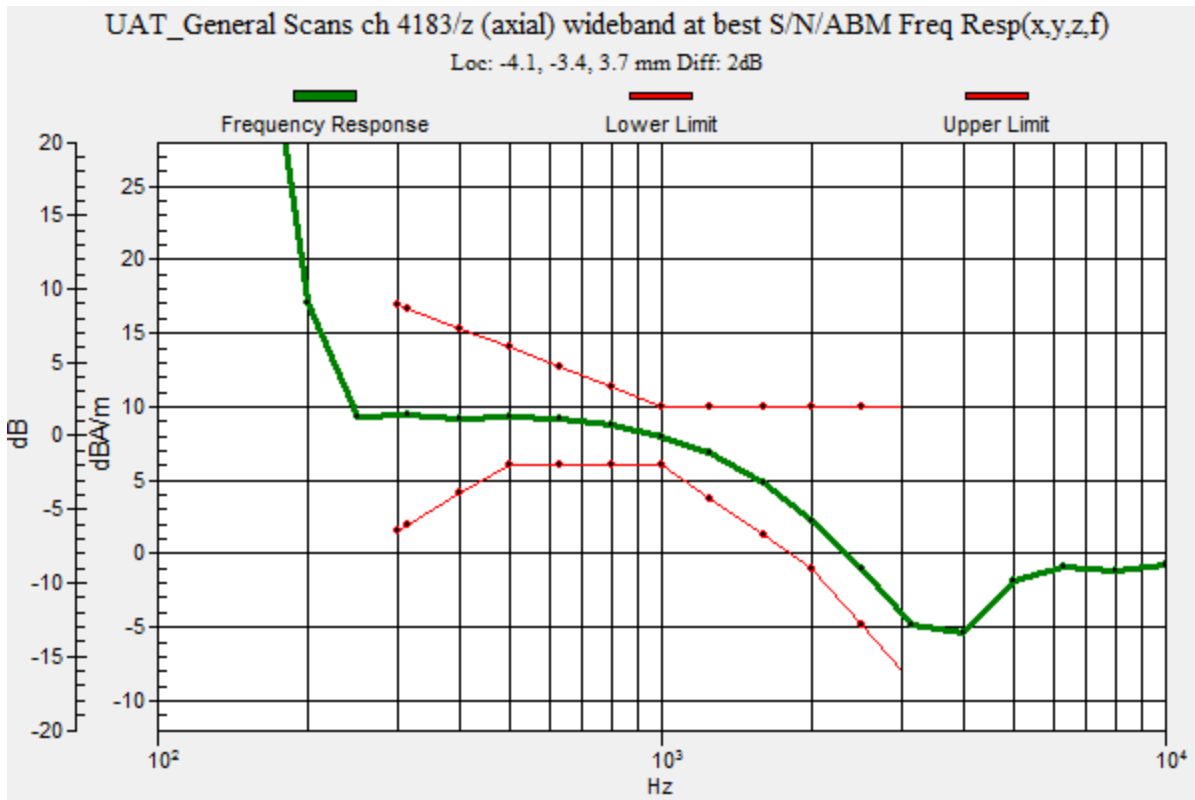
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.1, -3.4, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 4183/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

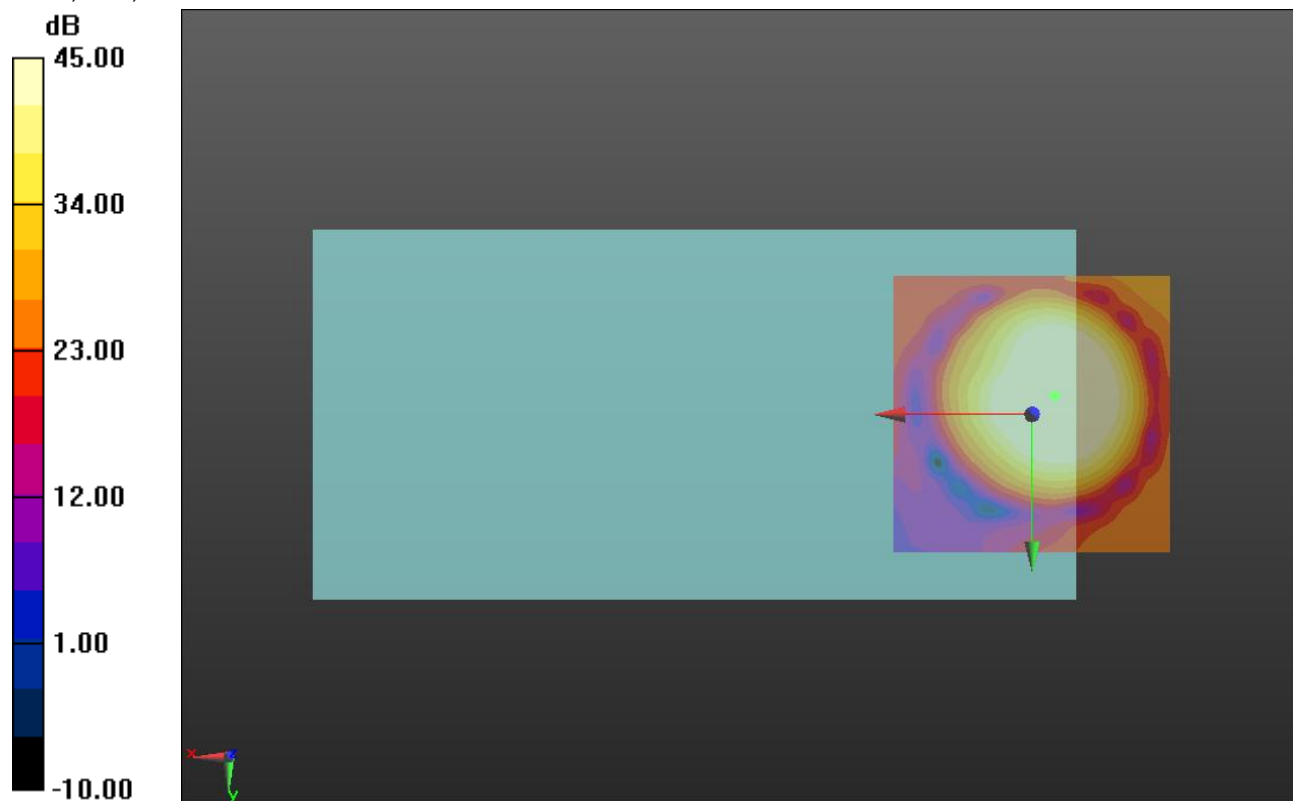
#### Cursor:

ABM1/ABM2 = 55.28 dB

ABM1 comp = 8.48 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -3.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 4183/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

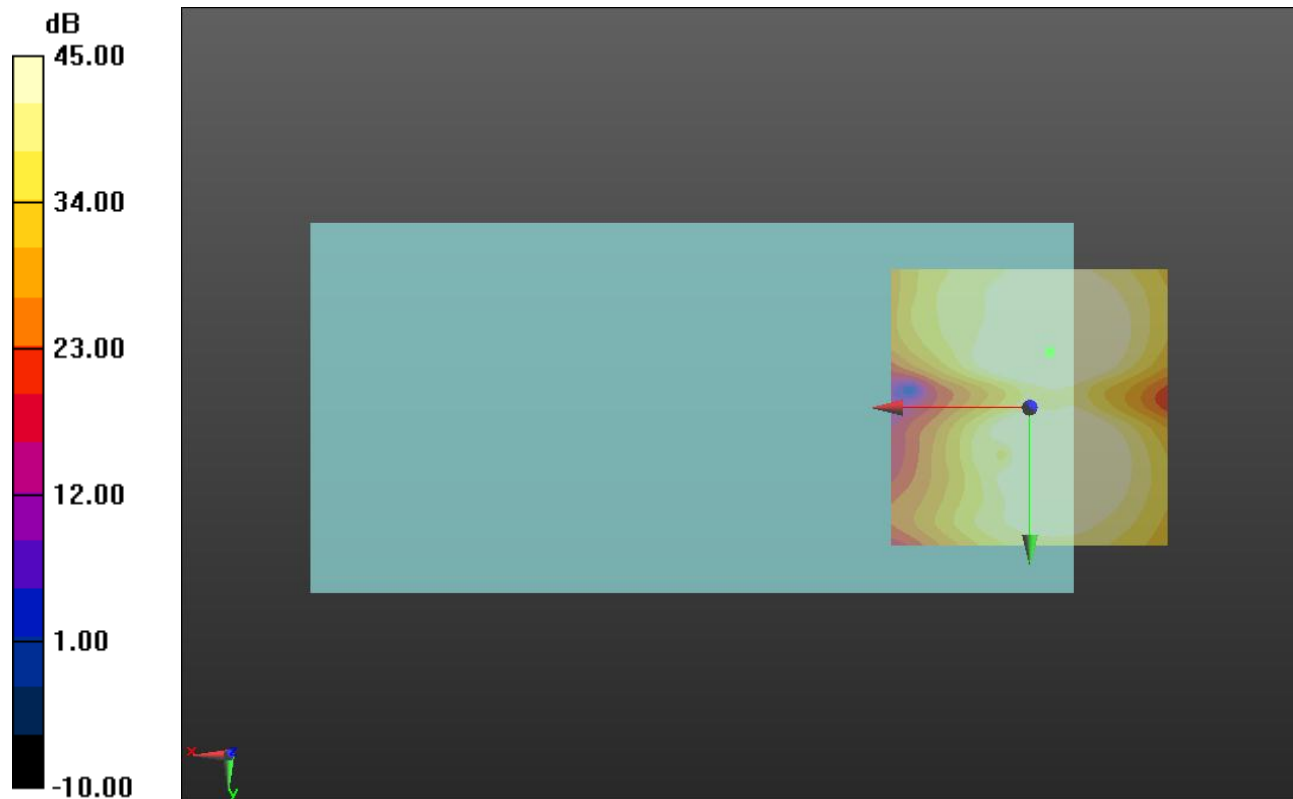
#### Cursor:

ABM1/ABM2 = 51.47 dB

ABM1 comp = 0.89 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -10, 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(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

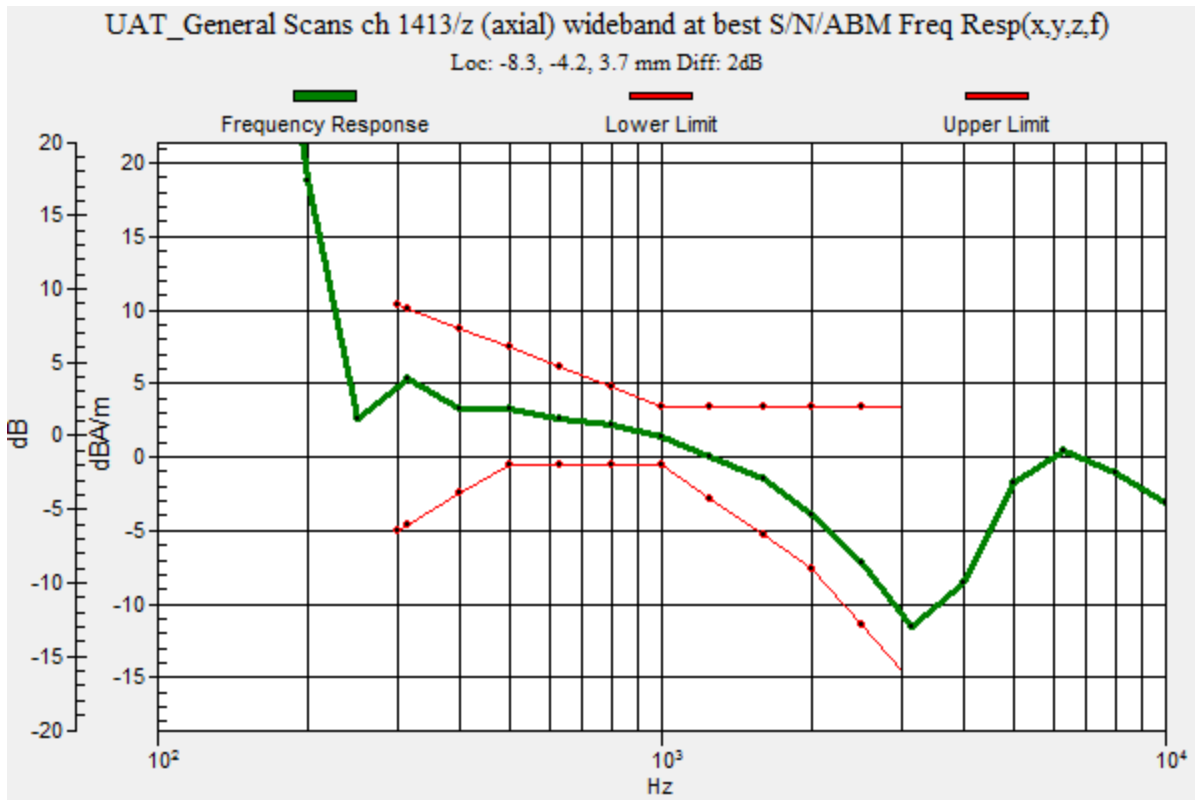
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -8.3, -4.2, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 1413/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

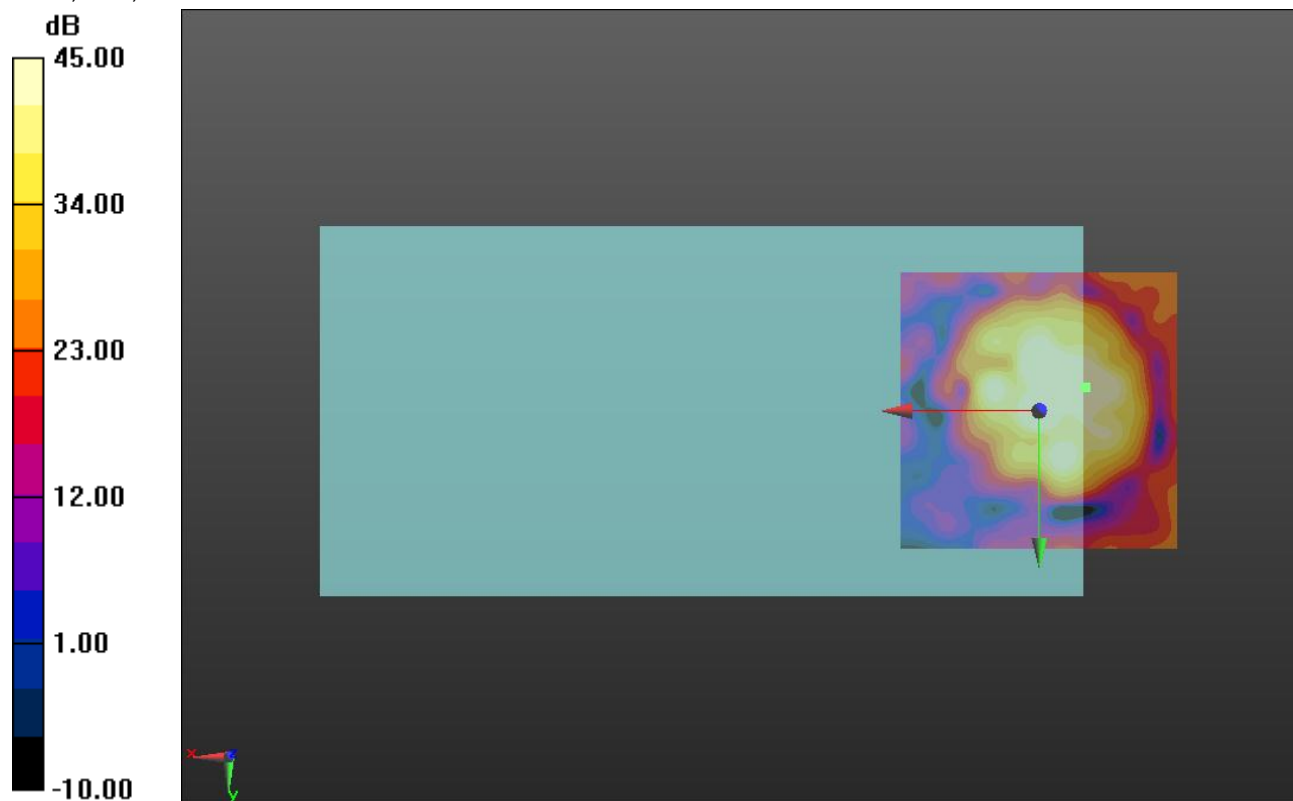
#### Cursor:

ABM1/ABM2 = 52.88 dB

ABM1 comp = 2.41 dBA/m

BWC Factor = 0.15 dB

Location: -8.3, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### W-CDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 1413/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

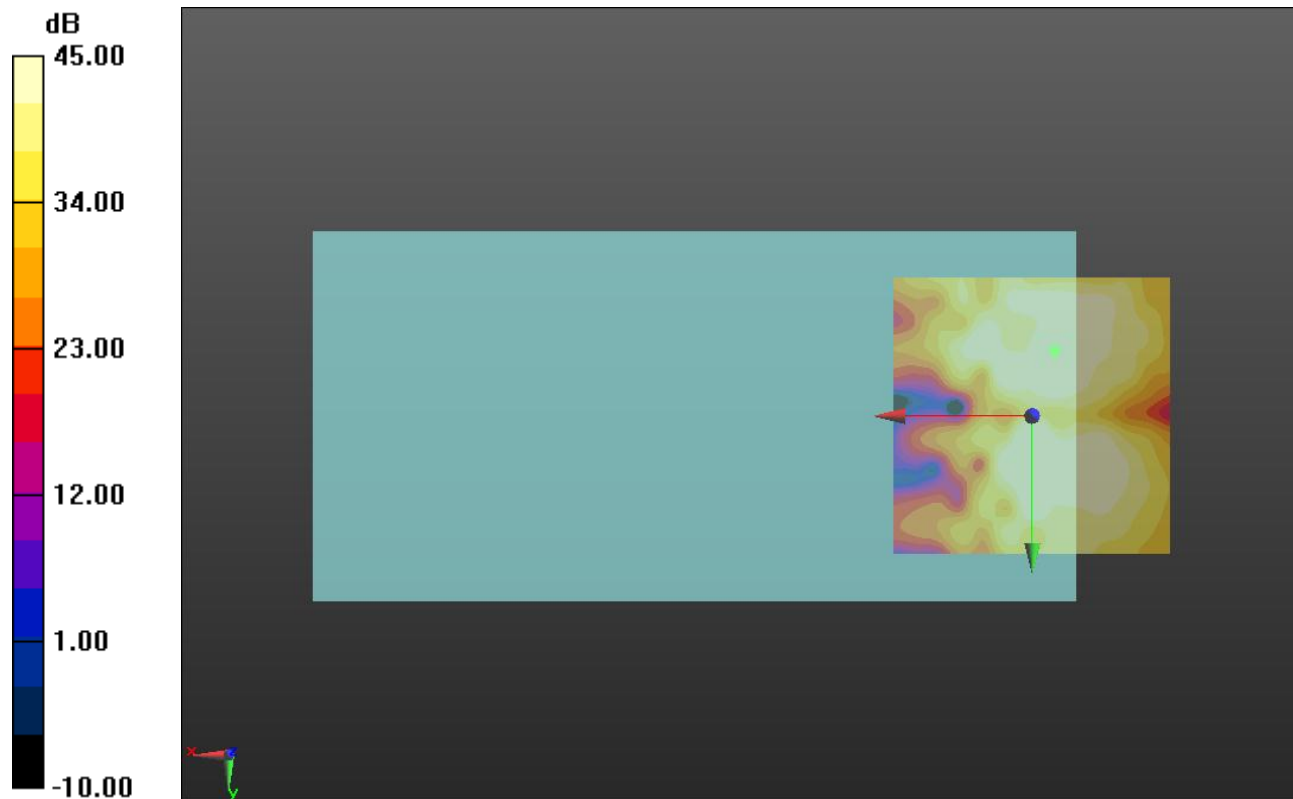
#### Cursor:

ABM1/ABM2 = 51.46 dB

ABM1 comp = -0.65 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -11.7, 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(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

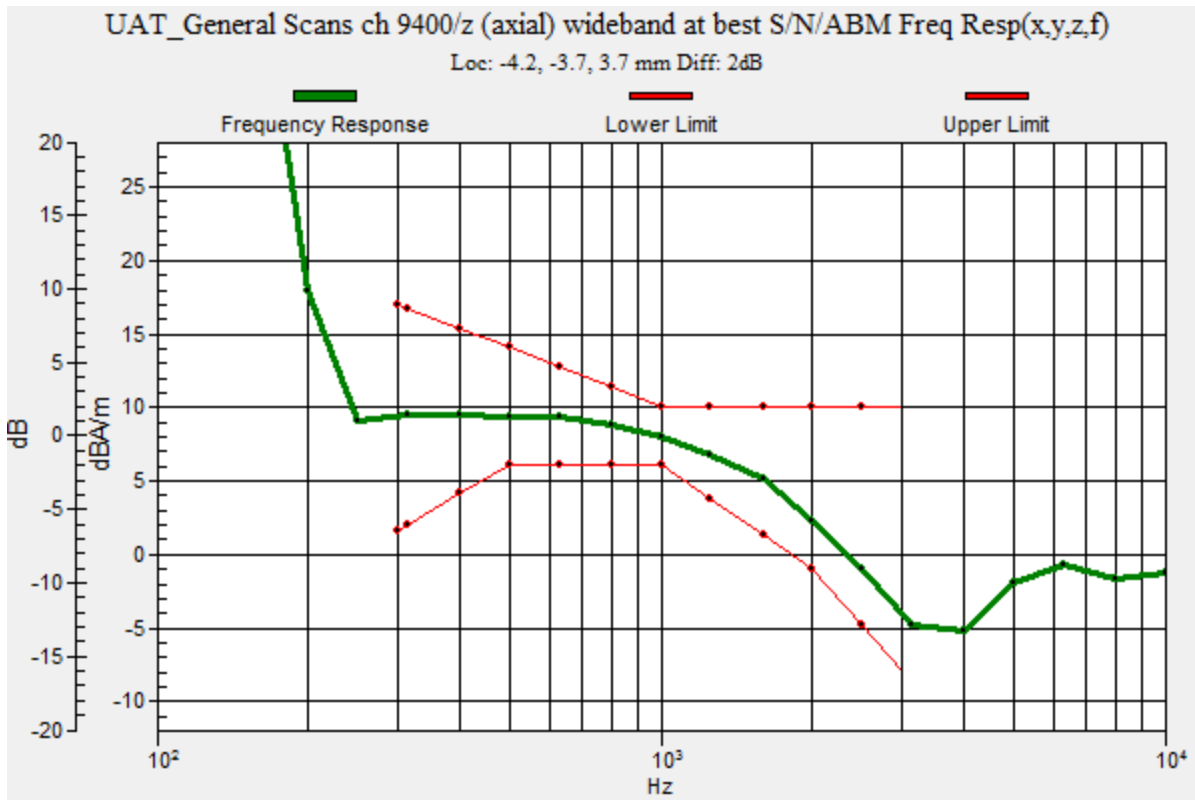
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.2, -3.7, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

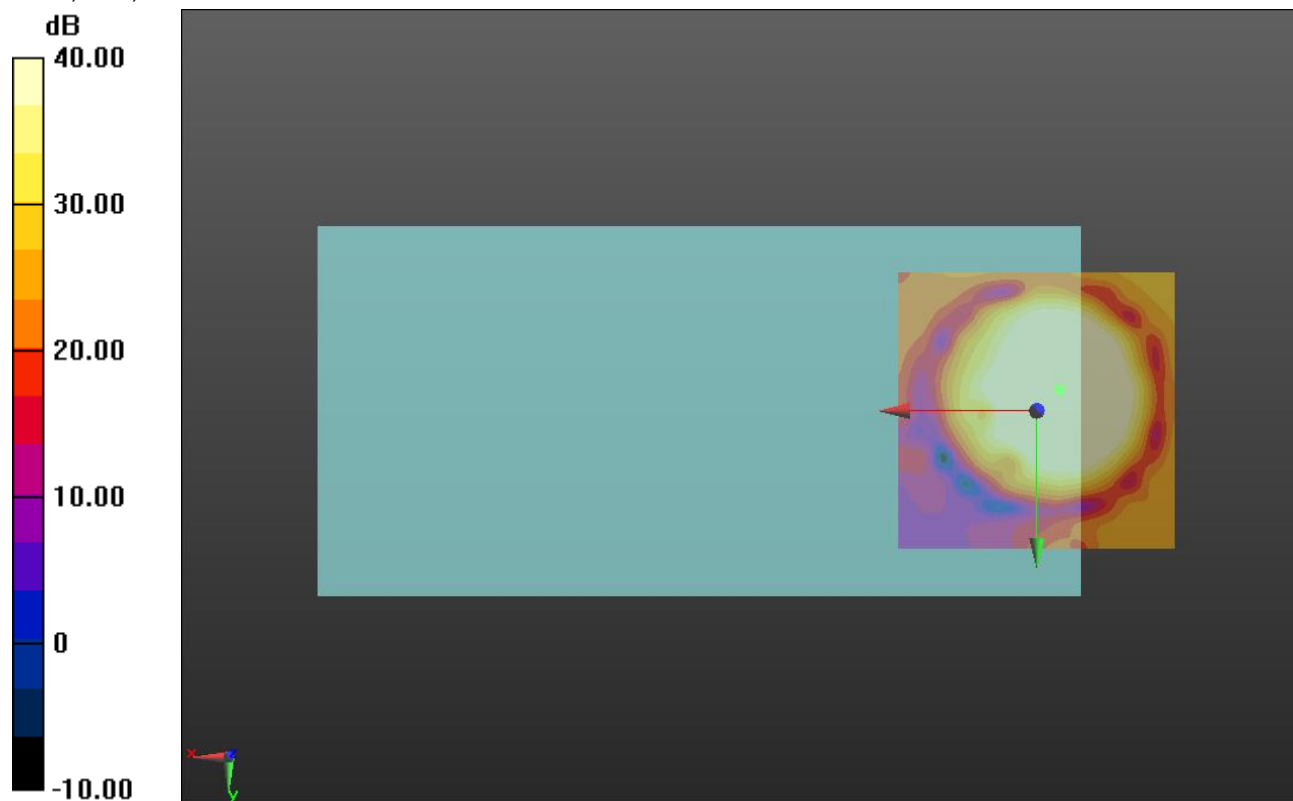
#### Cursor:

ABM1/ABM2 = 56.28 dB

ABM1 comp = 8.64 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -3.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

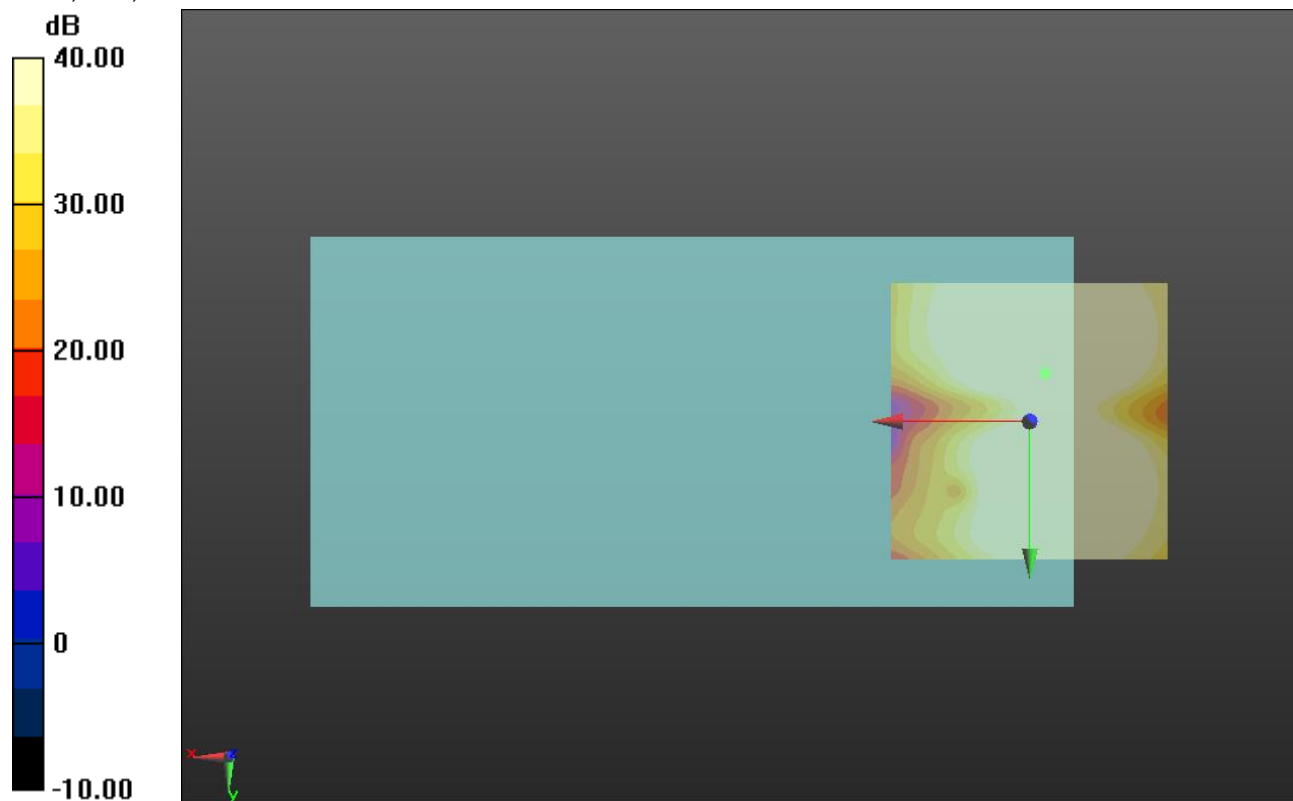
### Cursor:

ABM1/ABM2 = 51.92 dB

ABM1 comp = 0.93 dBA/m

BWC Factor = 0.15 dB

Location: -2.9, -8.8, 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

### 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

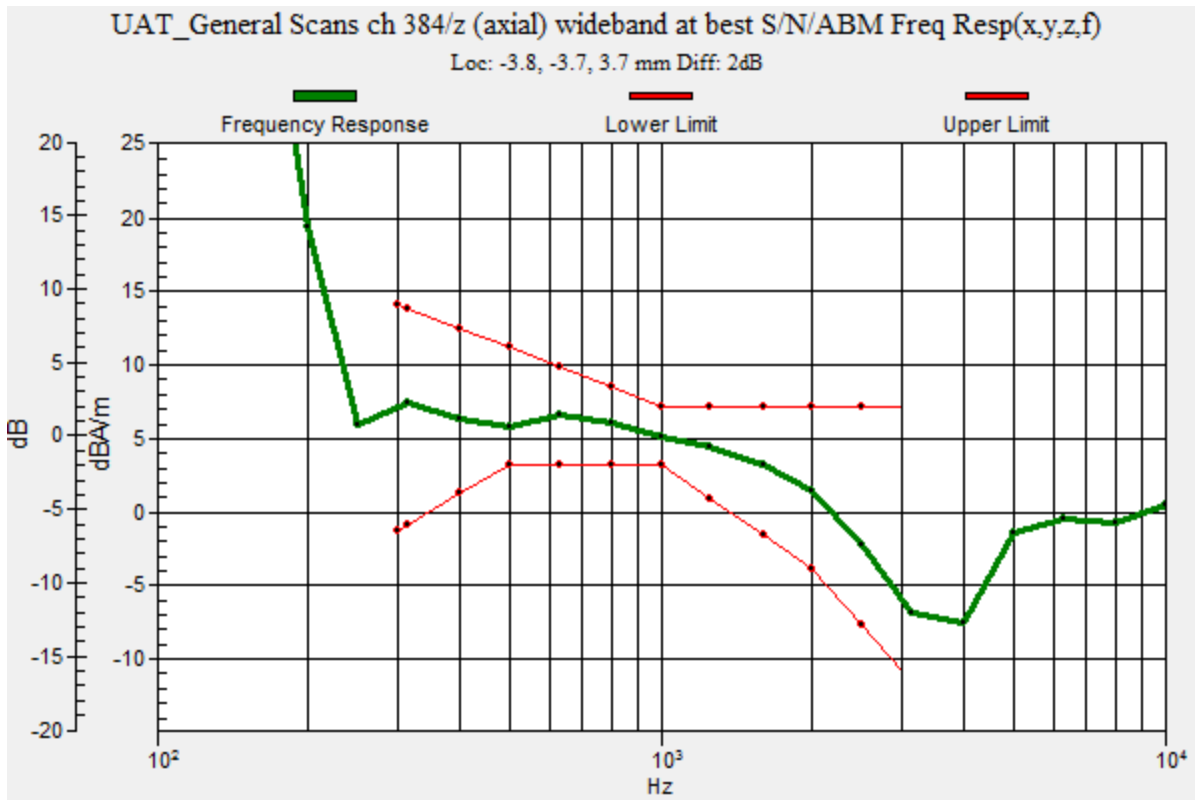
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -3.8, -3.7, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 384/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

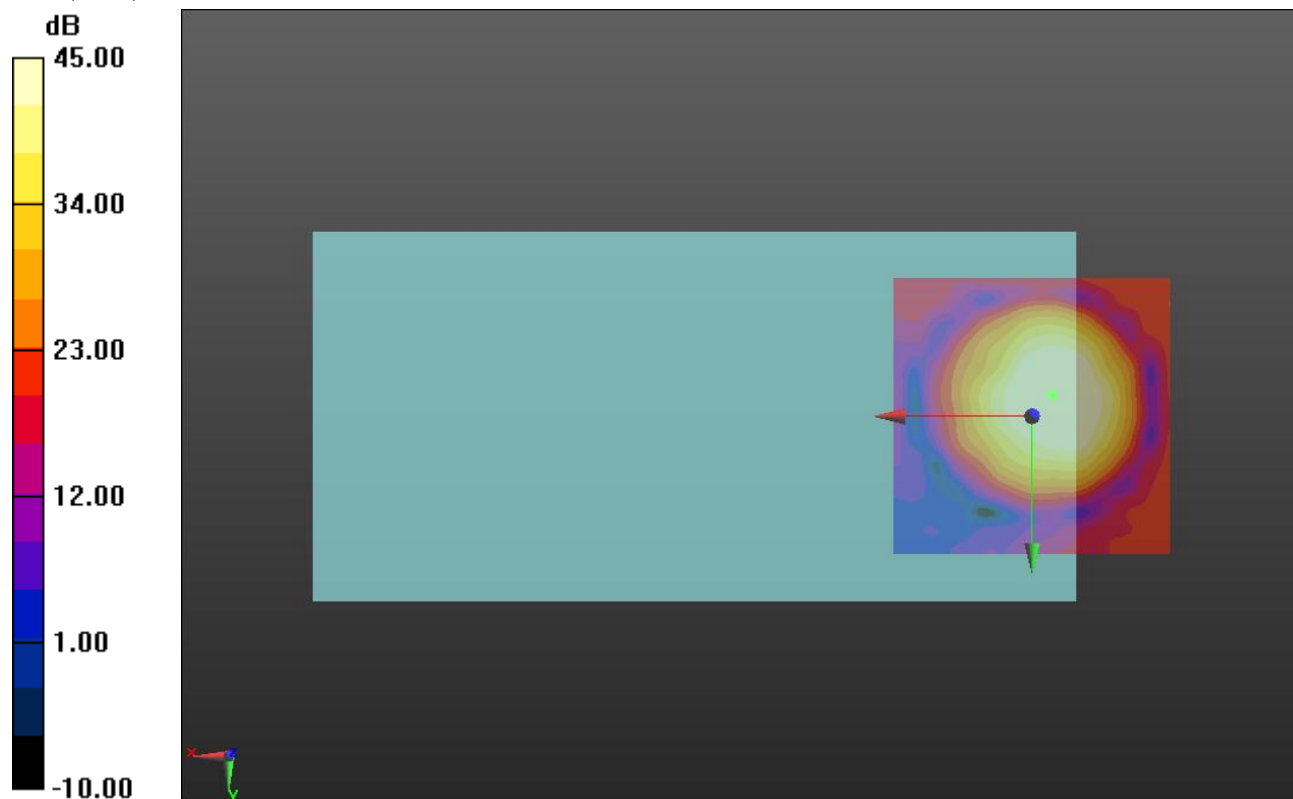
#### Cursor:

ABM1/ABM2 = 50.89 dB

ABM1 comp = 4.20 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -3.8, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 384/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

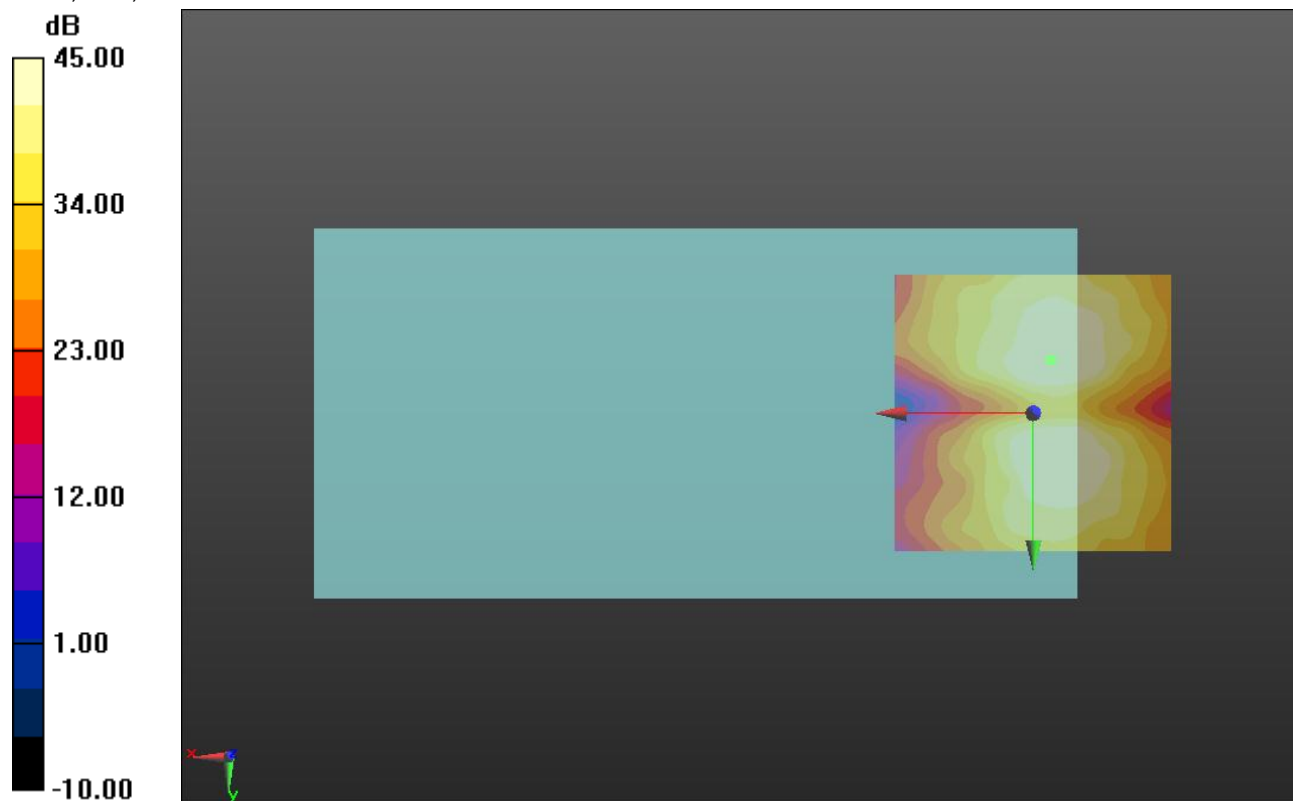
#### Cursor:

ABM1/ABM2 = 47.31 dB

ABM1 comp = -3.54 dBA/m

BWC Factor = 0.15 dB

Location: -3.3, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 1

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

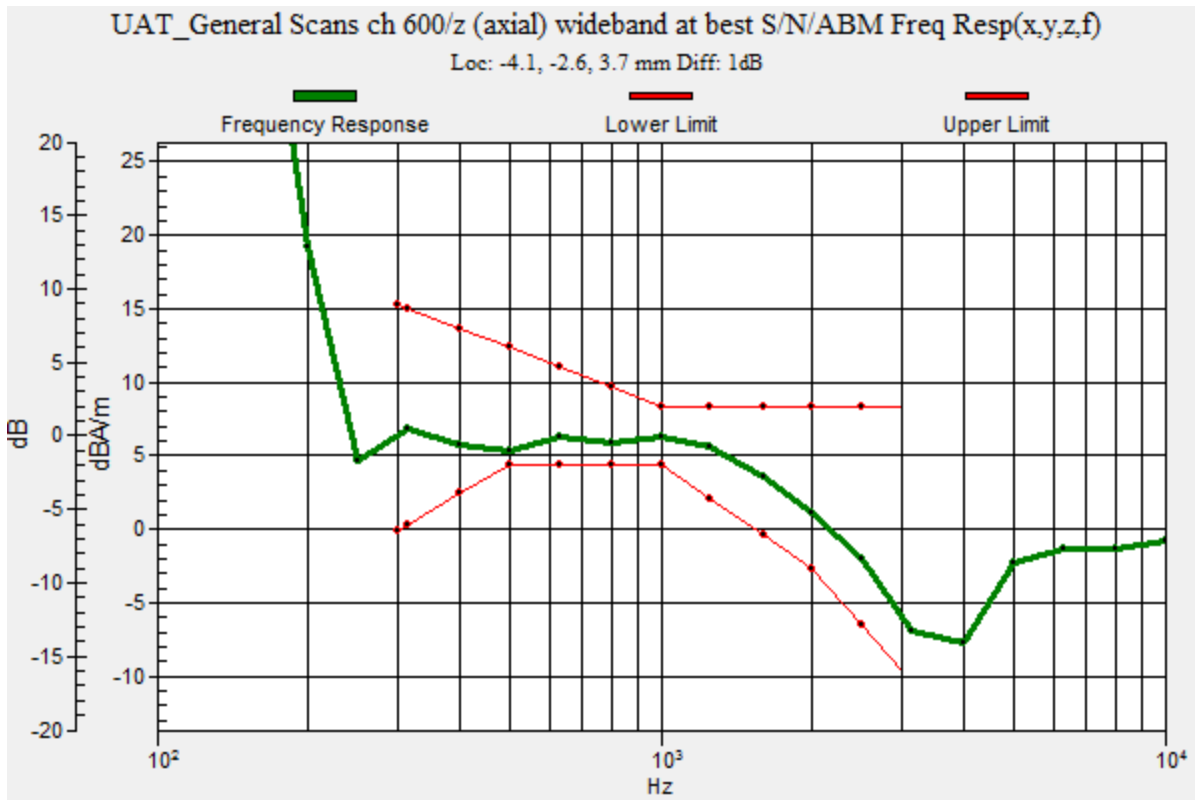
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.00 dB

BWC Factor = 10.80 dB

Location: -4.1, -2.6, 3.7 mm



### CDMA2000 BC 1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 600/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

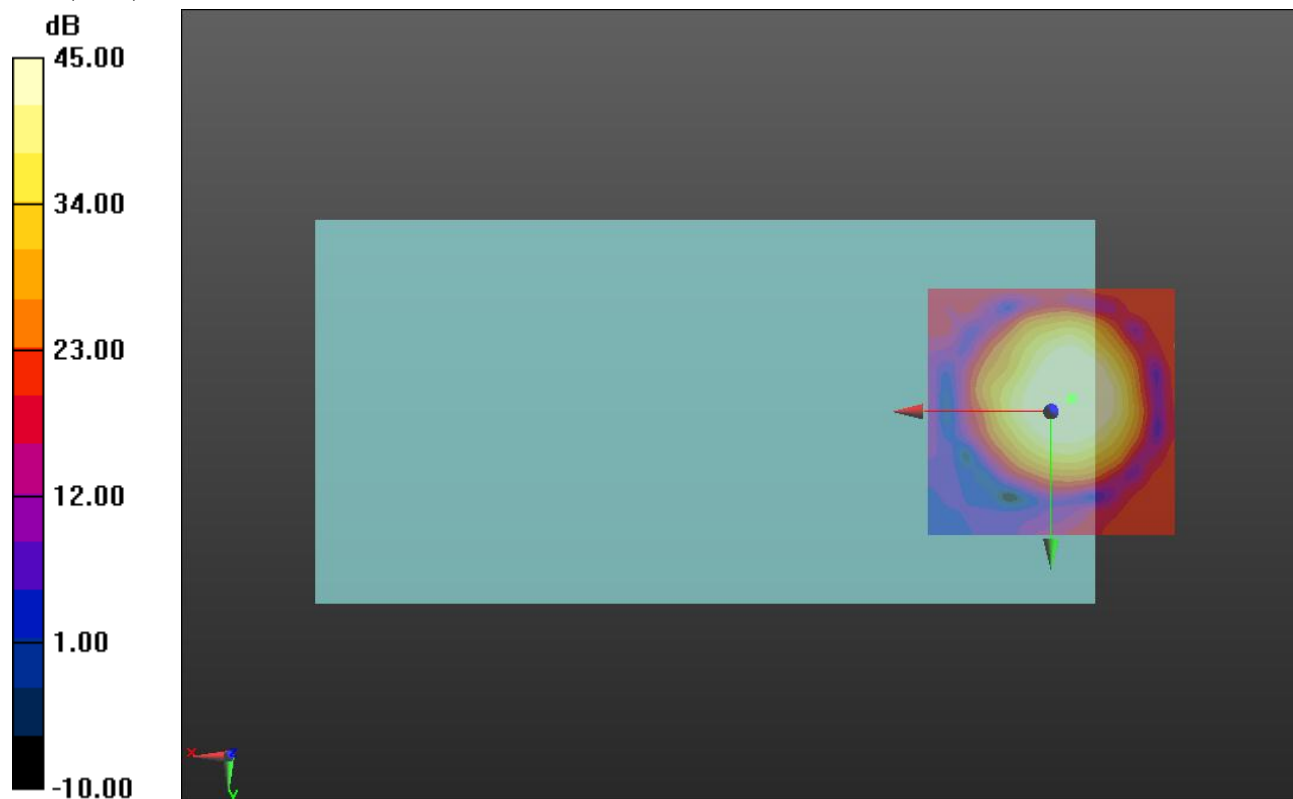
#### Cursor:

ABM1/ABM2 = 51.39 dB

ABM1 comp = 4.22 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -2.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

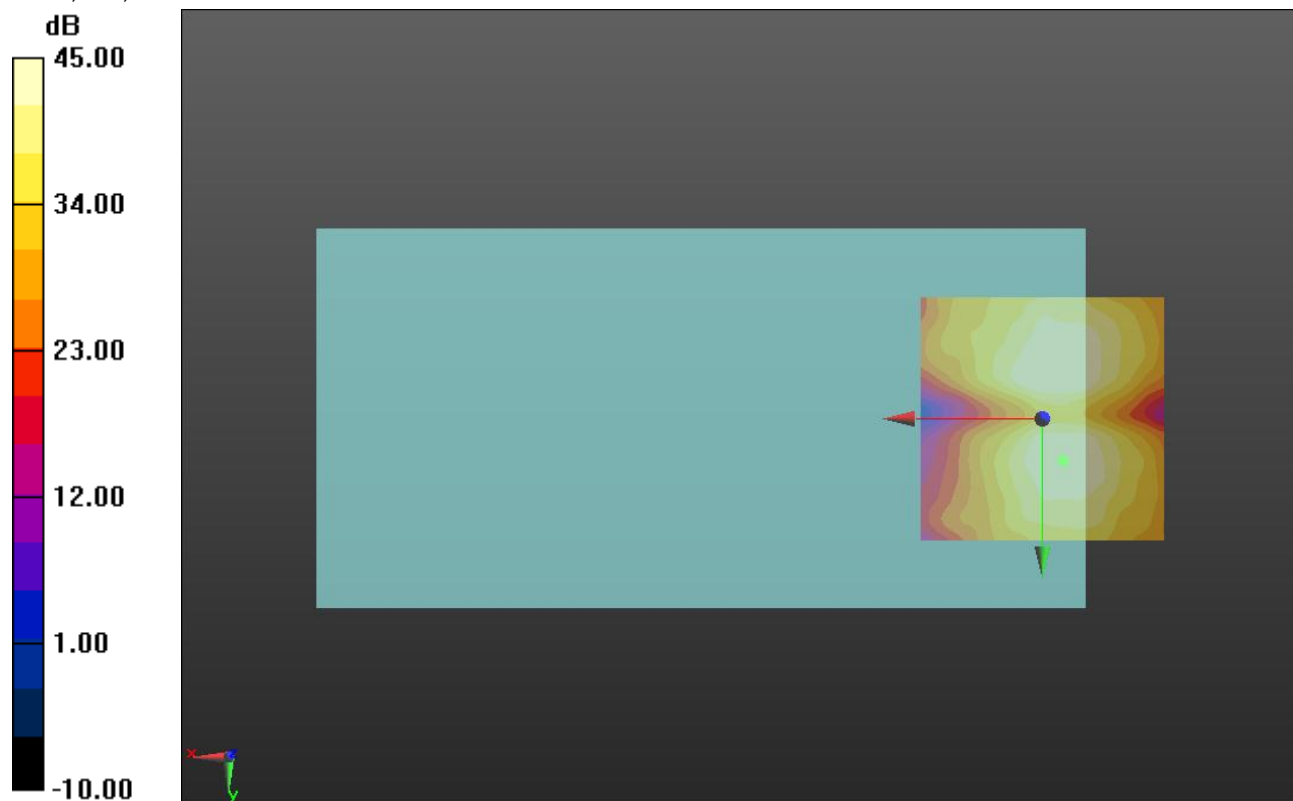
#### Cursor:

ABM1/ABM2 = 46.78 dB

ABM1 comp = -4.03 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 8.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 10

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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

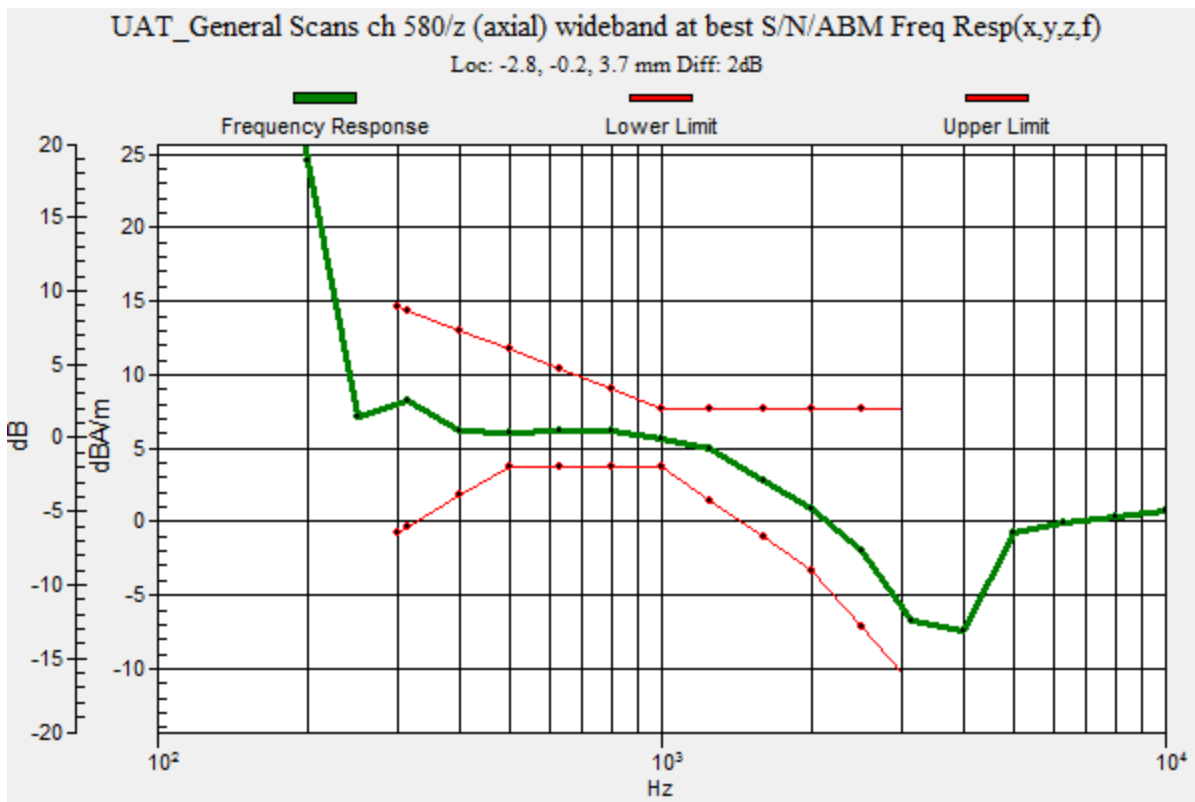
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -2.8, -0.2, 3.7 mm



### CDMA2000 BC 10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 580/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

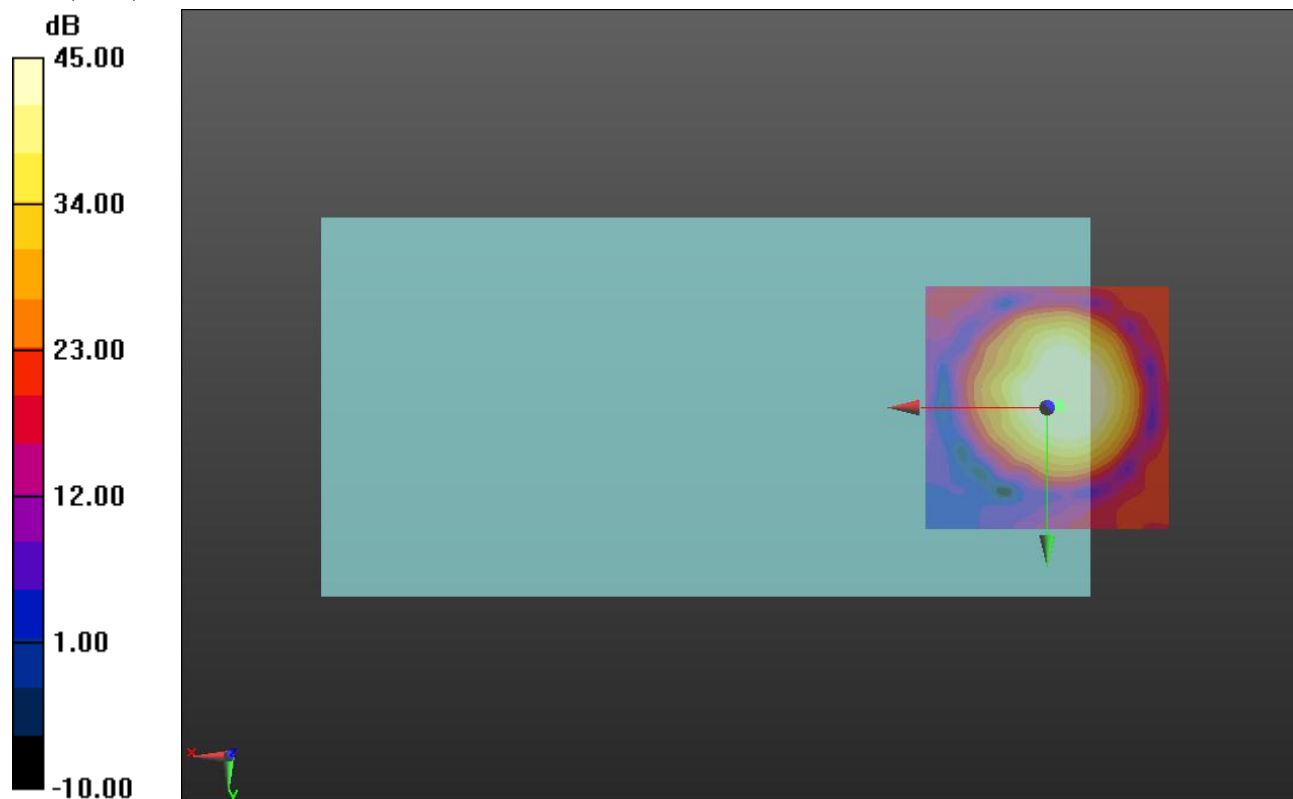
#### Cursor:

ABM1/ABM2 = 48.33 dB

ABM1 comp = 3.25 dBA/m

BWC Factor = 0.15 dB

Location: -2.5, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 580/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

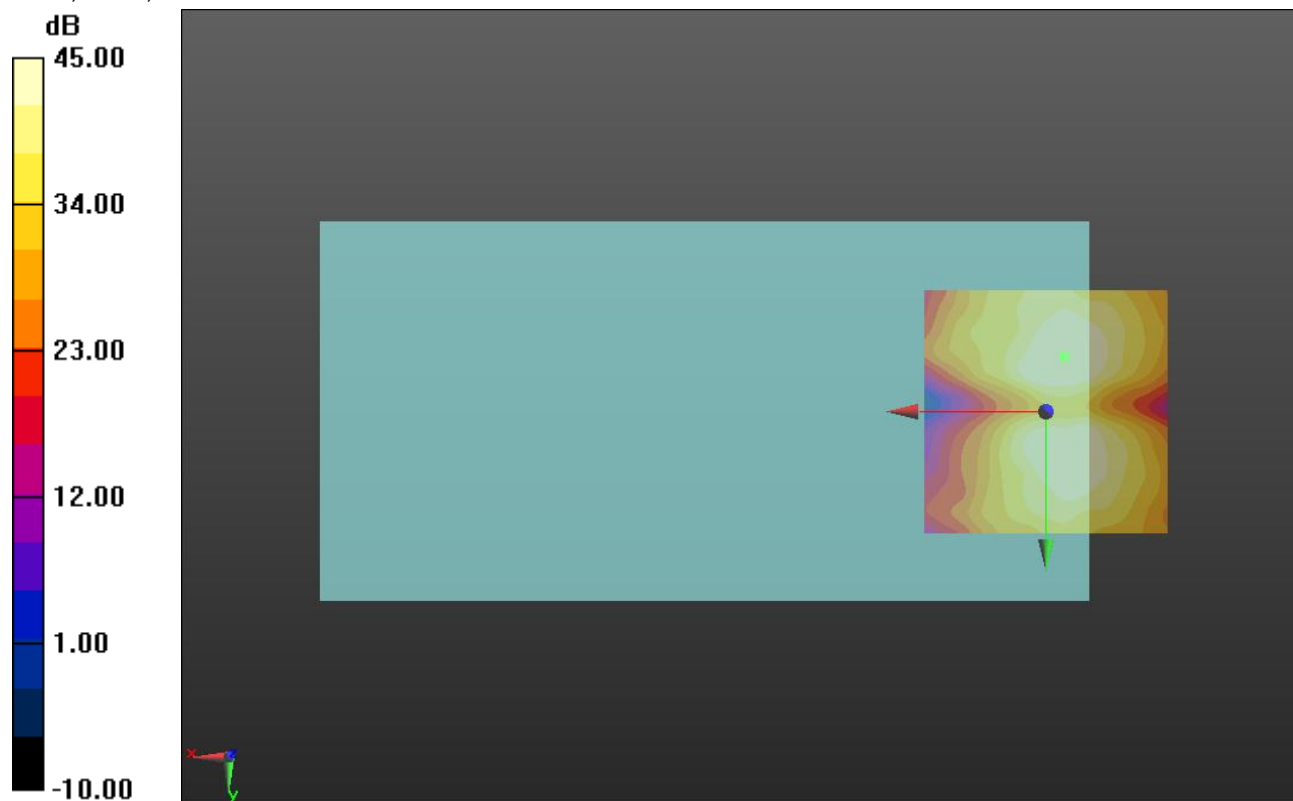
#### Cursor:

ABM1/ABM2 = 46.98 dB

ABM1 comp = -3.70 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -11.3, 3.7 mm



0 dB = 1.000 = 0.00 dB



### CDMA2000 BC 15

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19-2011 compliance)/UAT\_General Scans ch 450/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

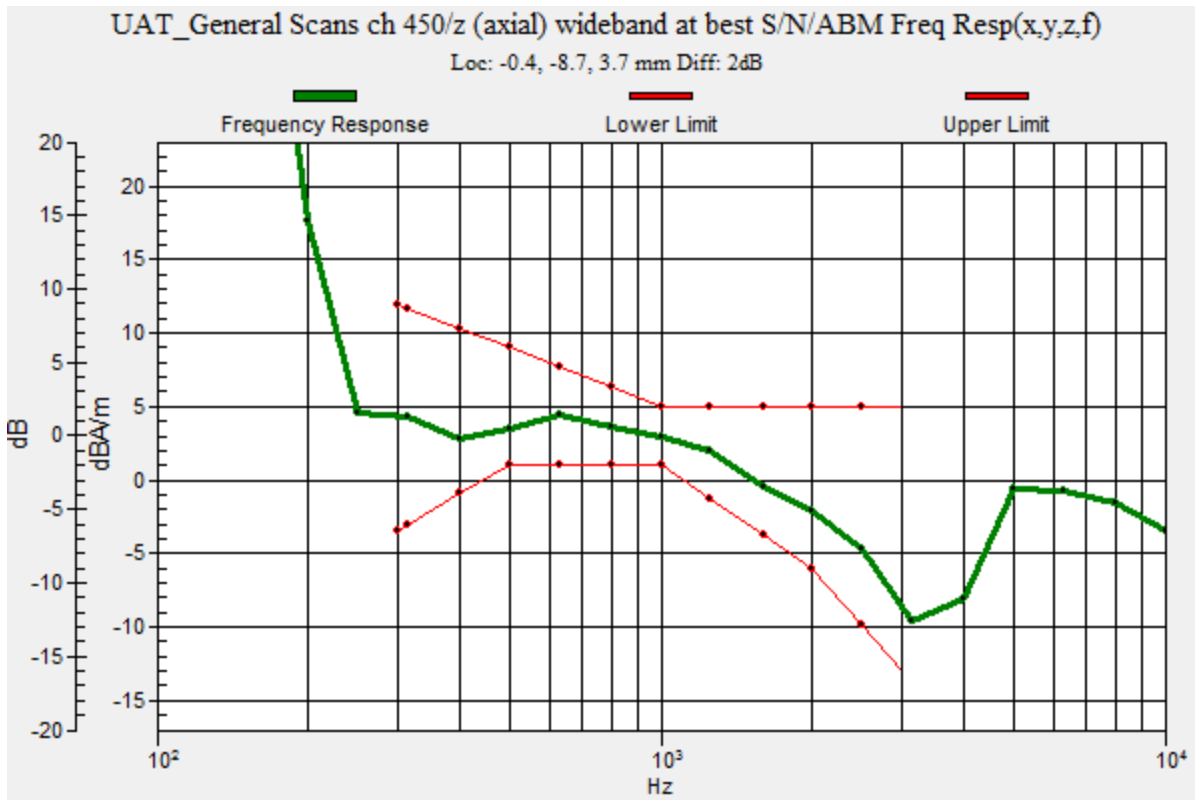
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -0.4, -8.7, 3.7 mm



### CDMA2000 BC 15

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 450/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

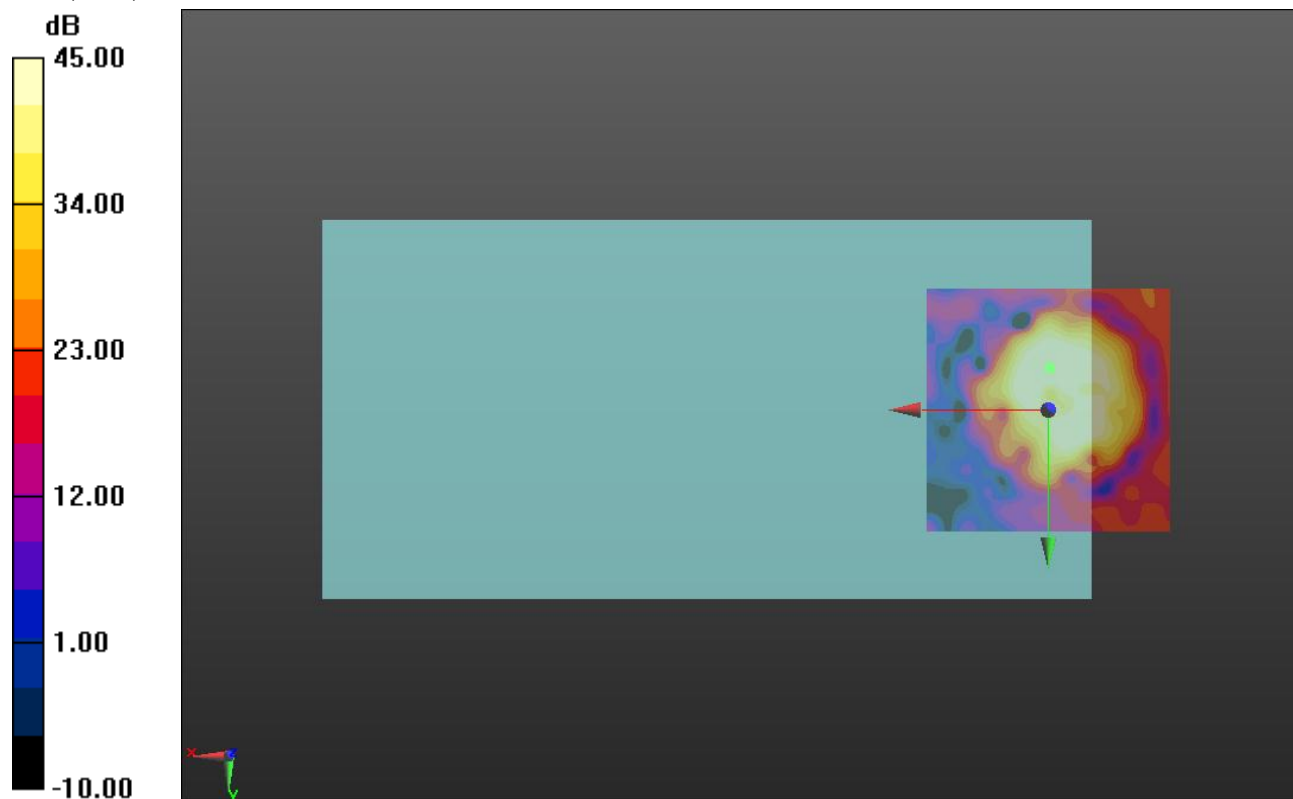
#### Cursor:

ABM1/ABM2 = 49.22 dB

ABM1 comp = 0.70 dBA/m

BWC Factor = 0.15 dB

Location: -0.4, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 15

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 450/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

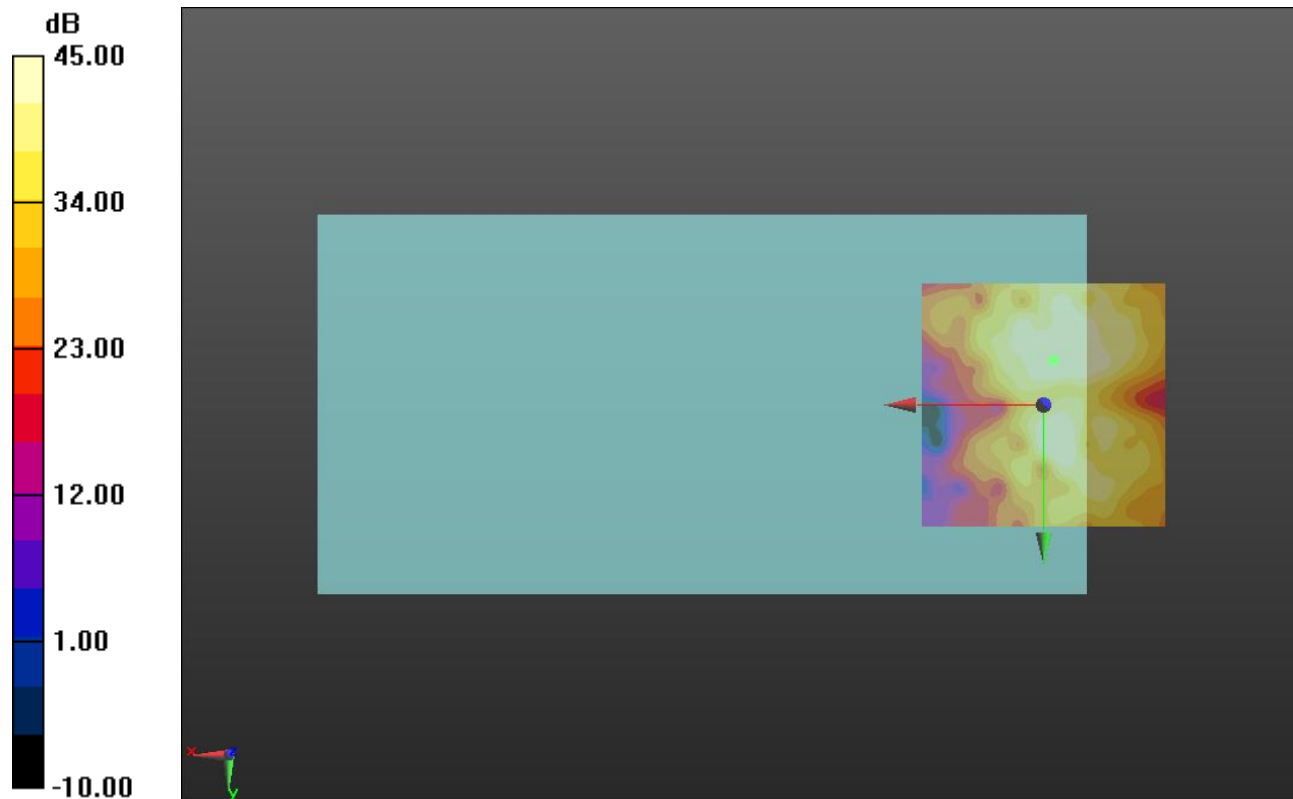
#### Cursor:

ABM1/ABM2 = 48.58 dB

ABM1 comp = -2.87 dBA/m

BWC Factor = 0.15 dB

Location: -2.1, -9.2, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

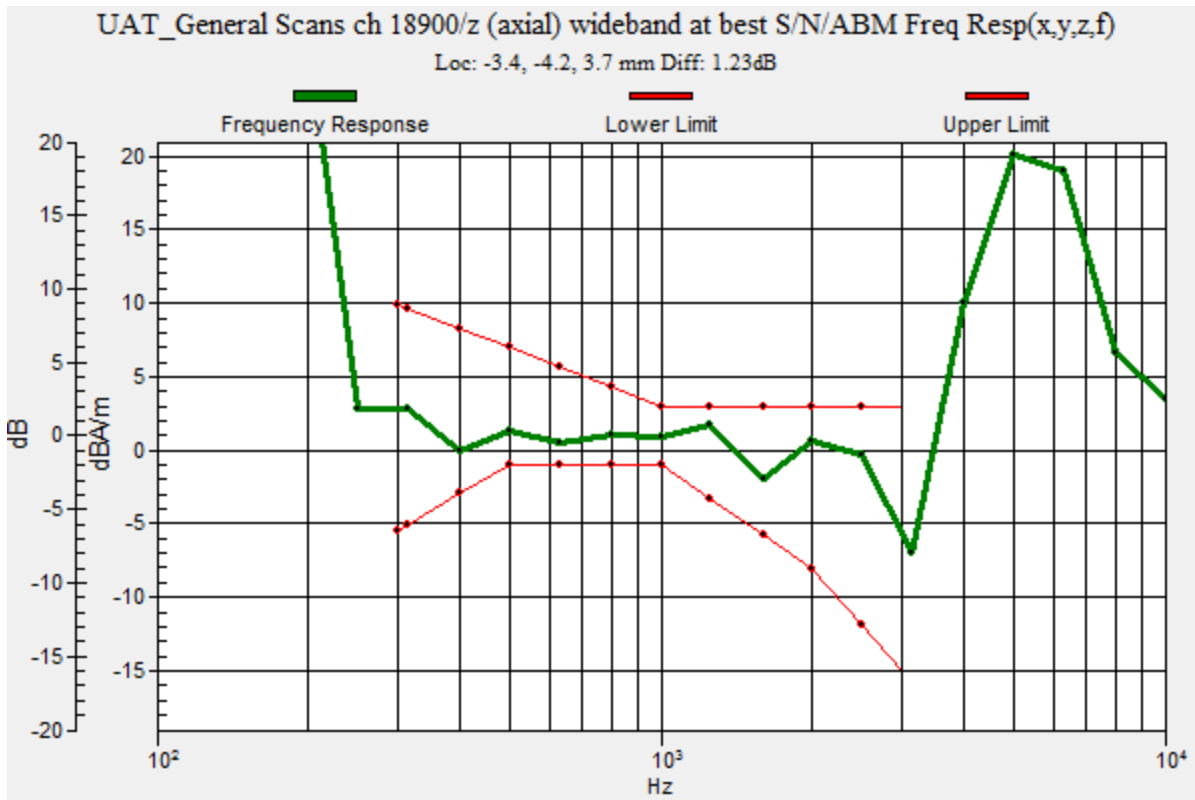
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.23 dB

BWC Factor = 10.80 dB

Location: -3.4, -4.2, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

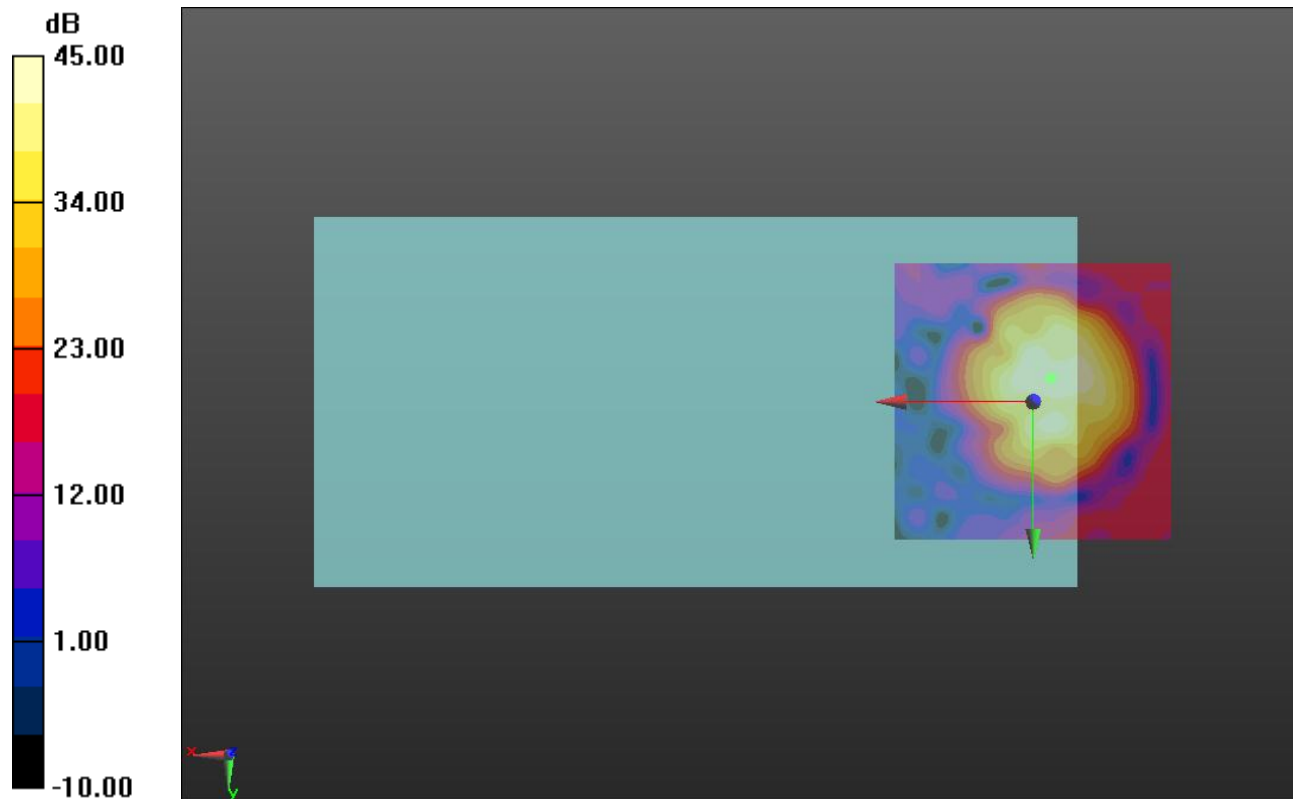
**Cursor:**

ABM1/ABM2 = 47.48 dB

ABM1 comp = 0.30 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -4.2, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

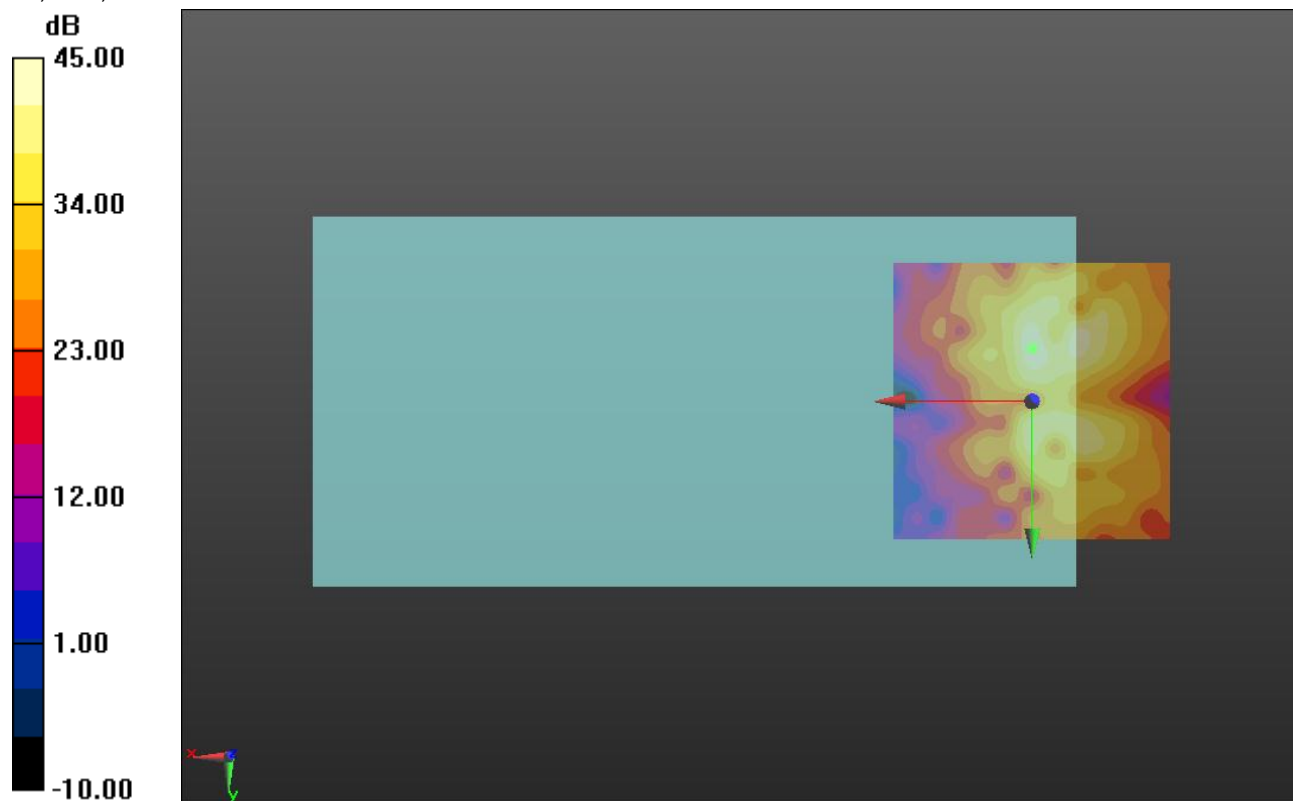
**Cursor:**

ABM1/ABM2 = 43.63 dB

ABM1 comp = -6.41 dBA/m

BWC Factor = 0.16 dB

Location: 0, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4\_Narrowband

Communication System: UID 0, LTE (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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

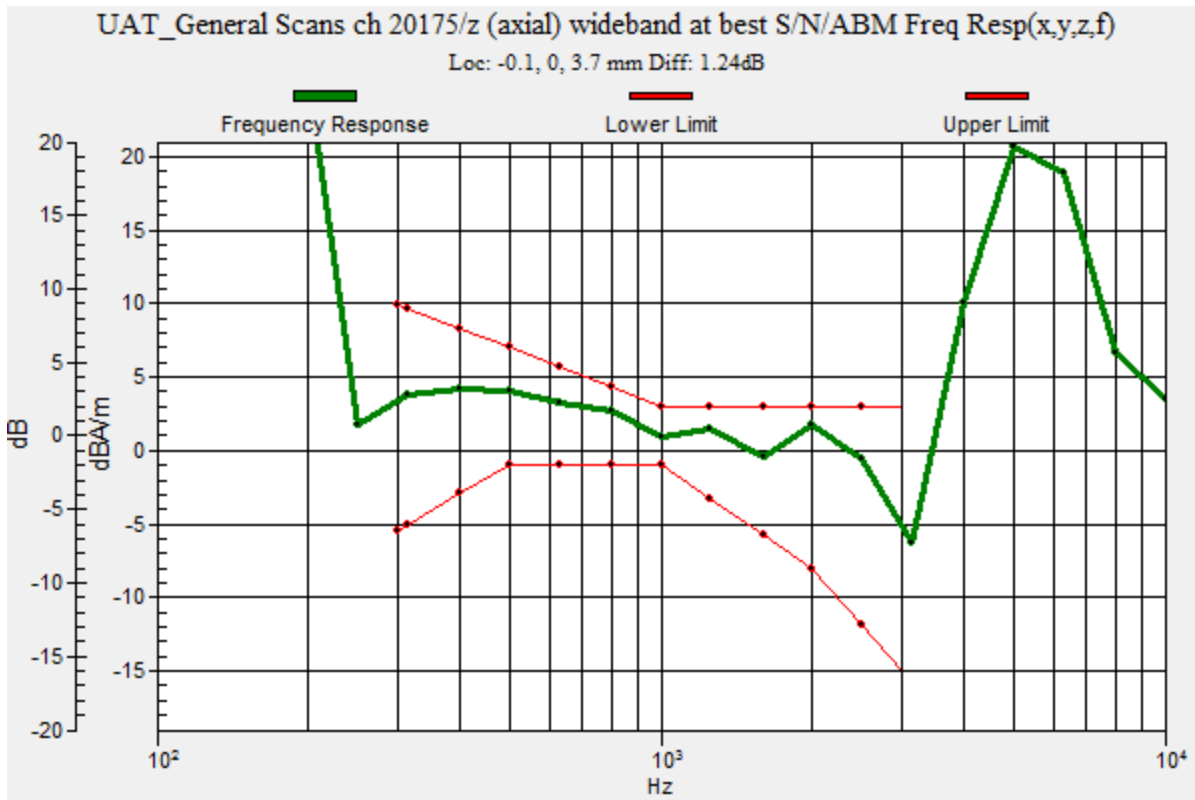
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.24 dB

BWC Factor = 10.80 dB

Location: -0.1, 0, 3.7 mm



### LTE Band 4\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

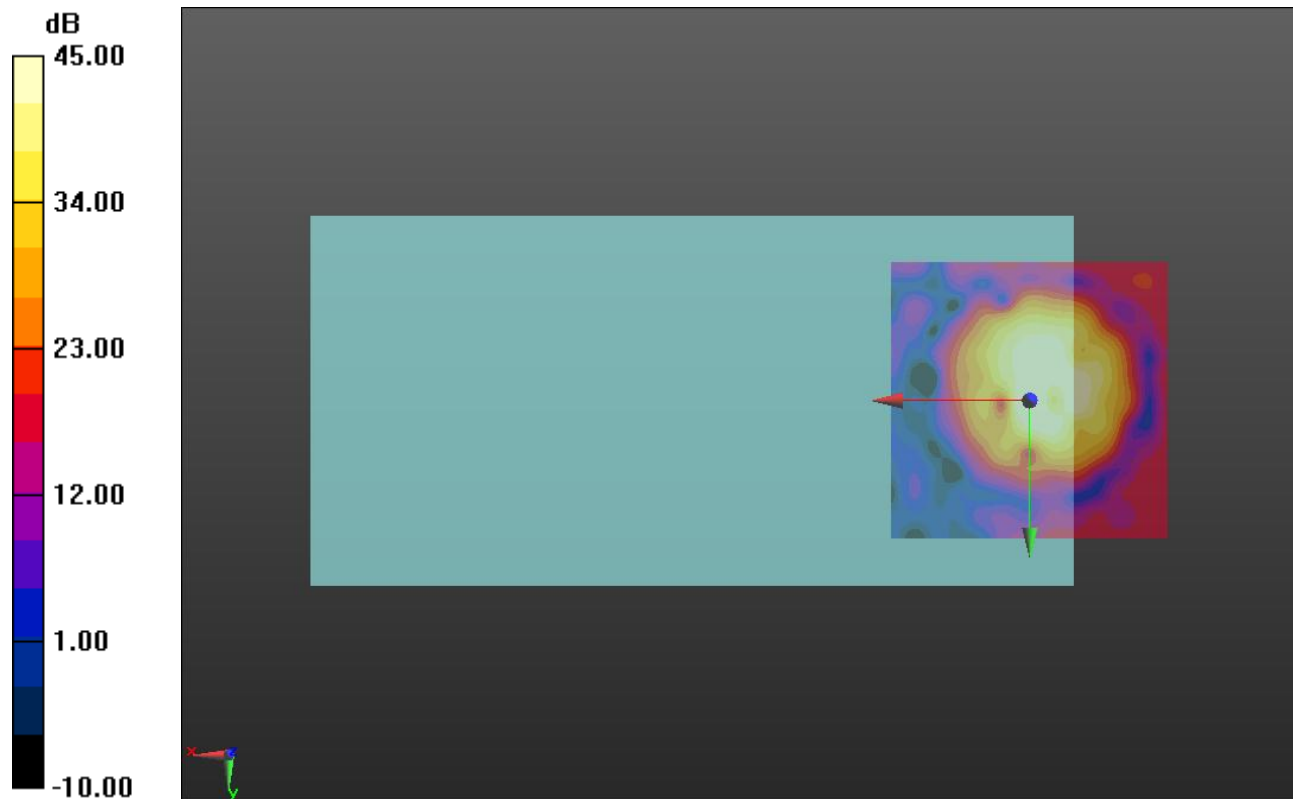
**Cursor:**

ABM1/ABM2 = 48.65 dB

ABM1 comp = 2.65 dBA/m

BWC Factor = 0.16 dB

Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB



### LTE Band 4\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

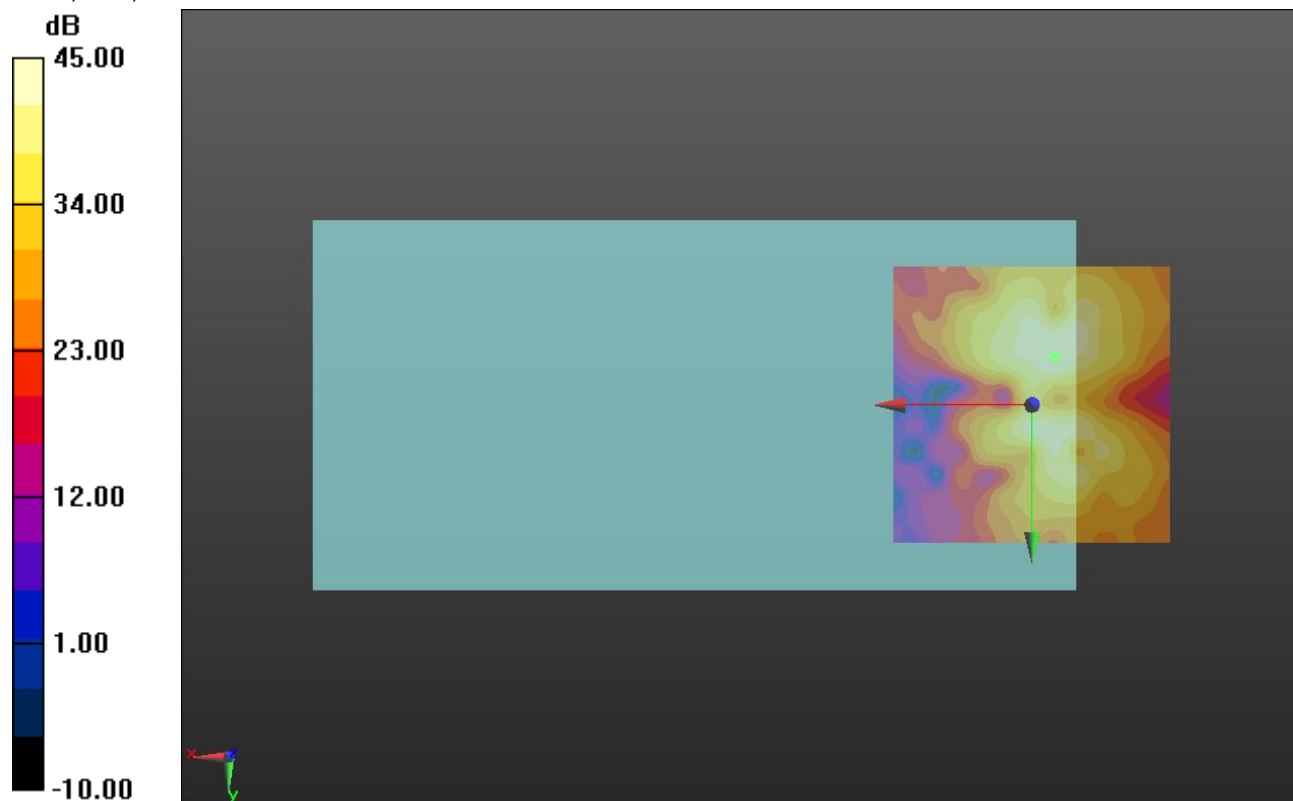
#### Cursor:

ABM1/ABM2 = 45.78 dB

ABM1 comp = -6.10 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\_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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

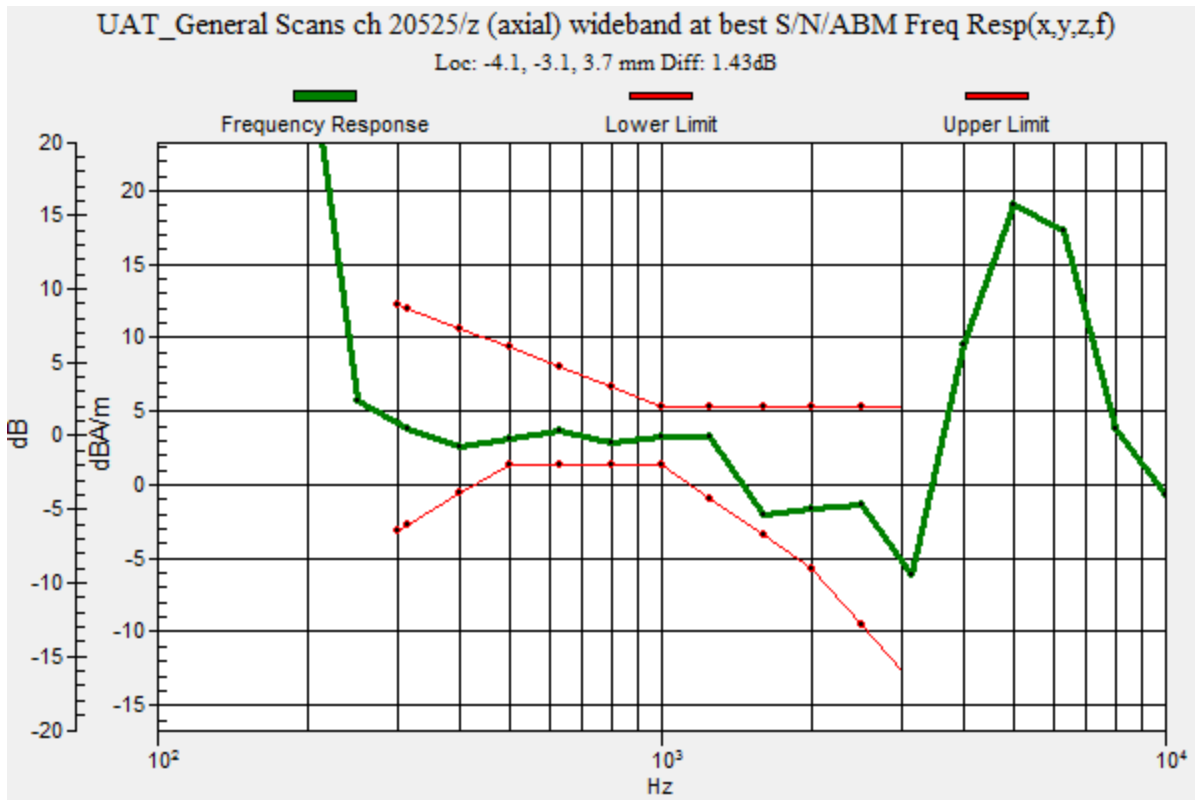
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.43 dB

BWC Factor = 10.80 dB

Location: -4.1, -3.1, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

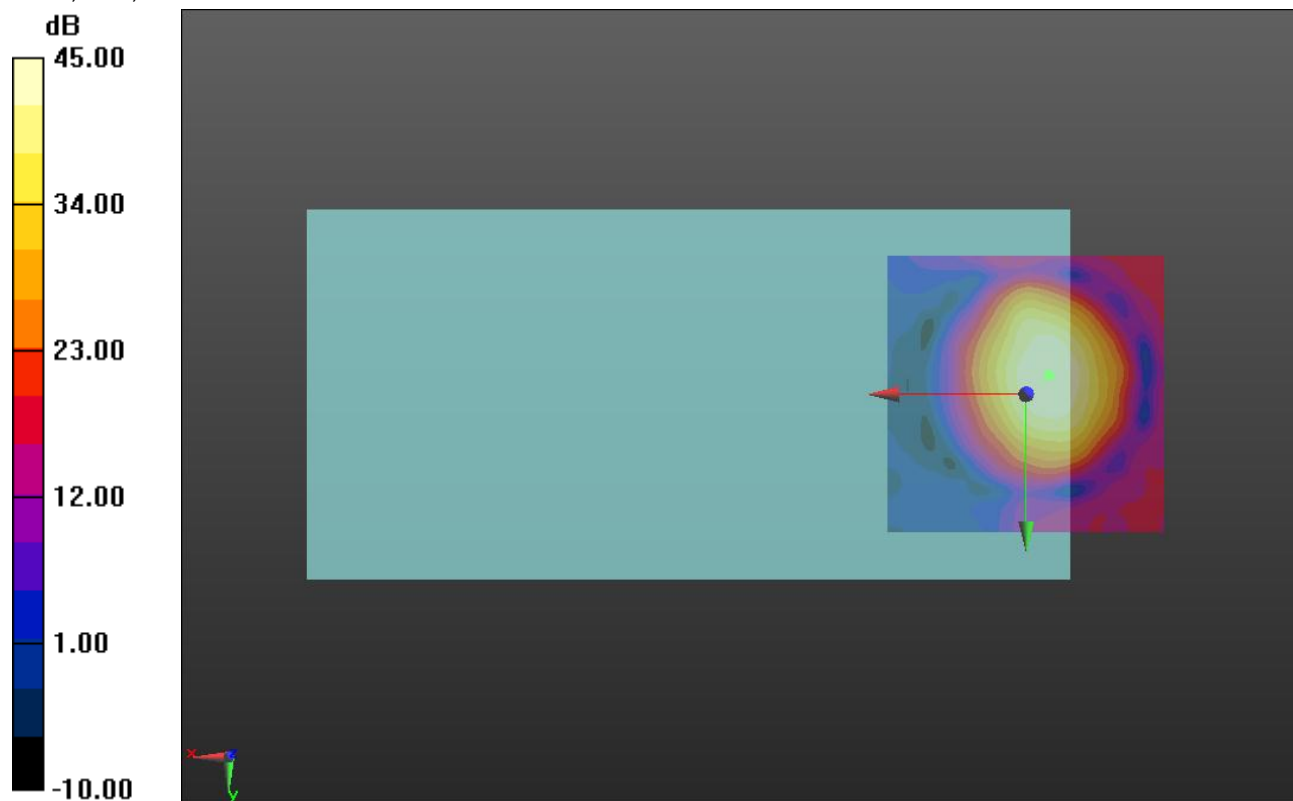
**Cursor:**

ABM1/ABM2 = 46.97 dB

ABM1 comp = 0.52 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -3.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

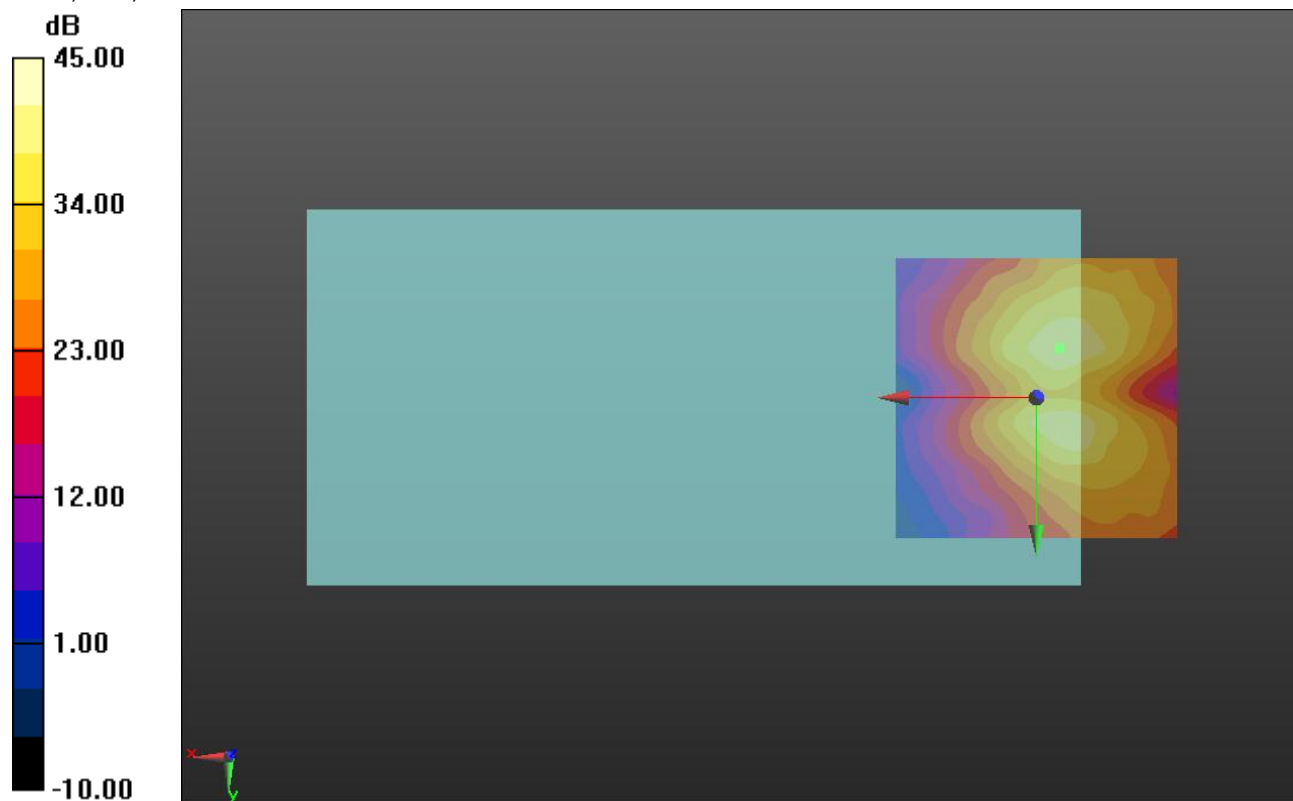
#### Cursor:

ABM1/ABM2 = 41.30 dB

ABM1 comp = -7.49 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -8.8, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

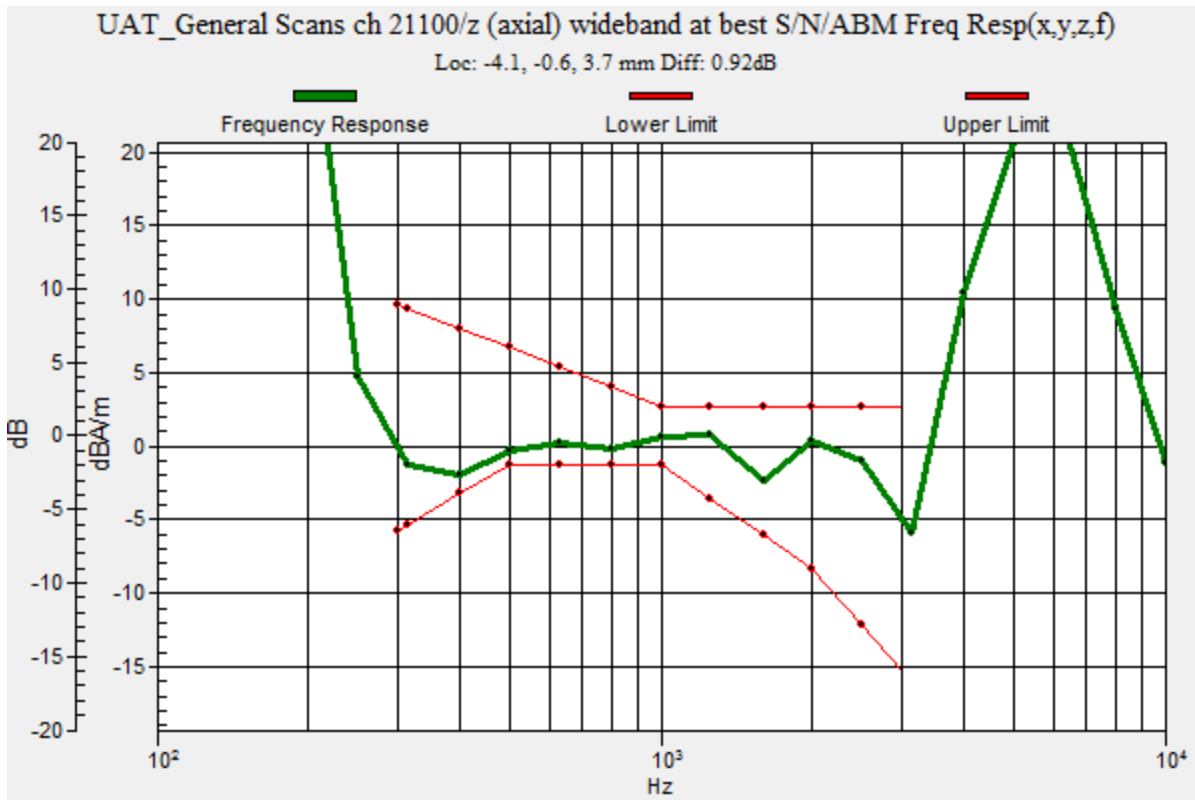
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.92 dB

BWC Factor = 10.80 dB

Location: -4.1, -0.6, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

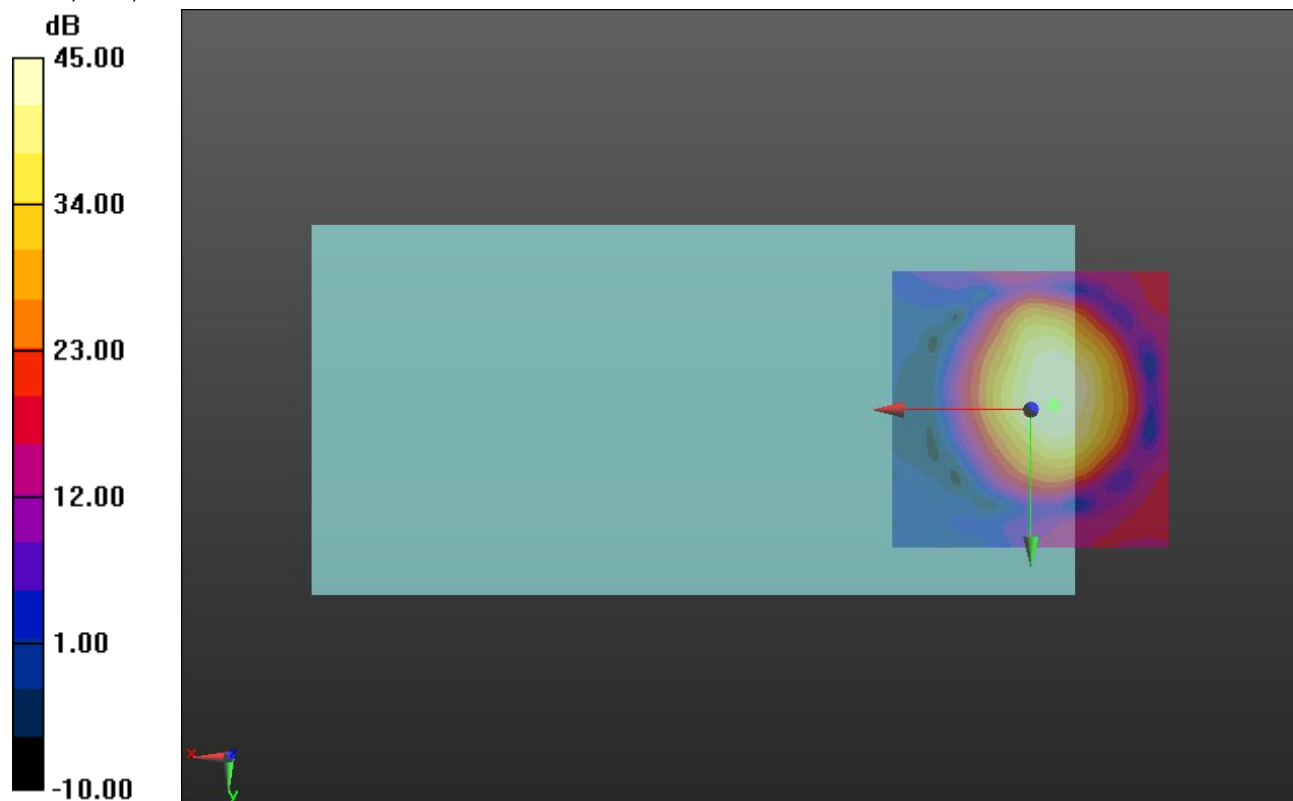
**Cursor:**

ABM1/ABM2 = 46.39 dB

ABM1 comp = -0.06 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

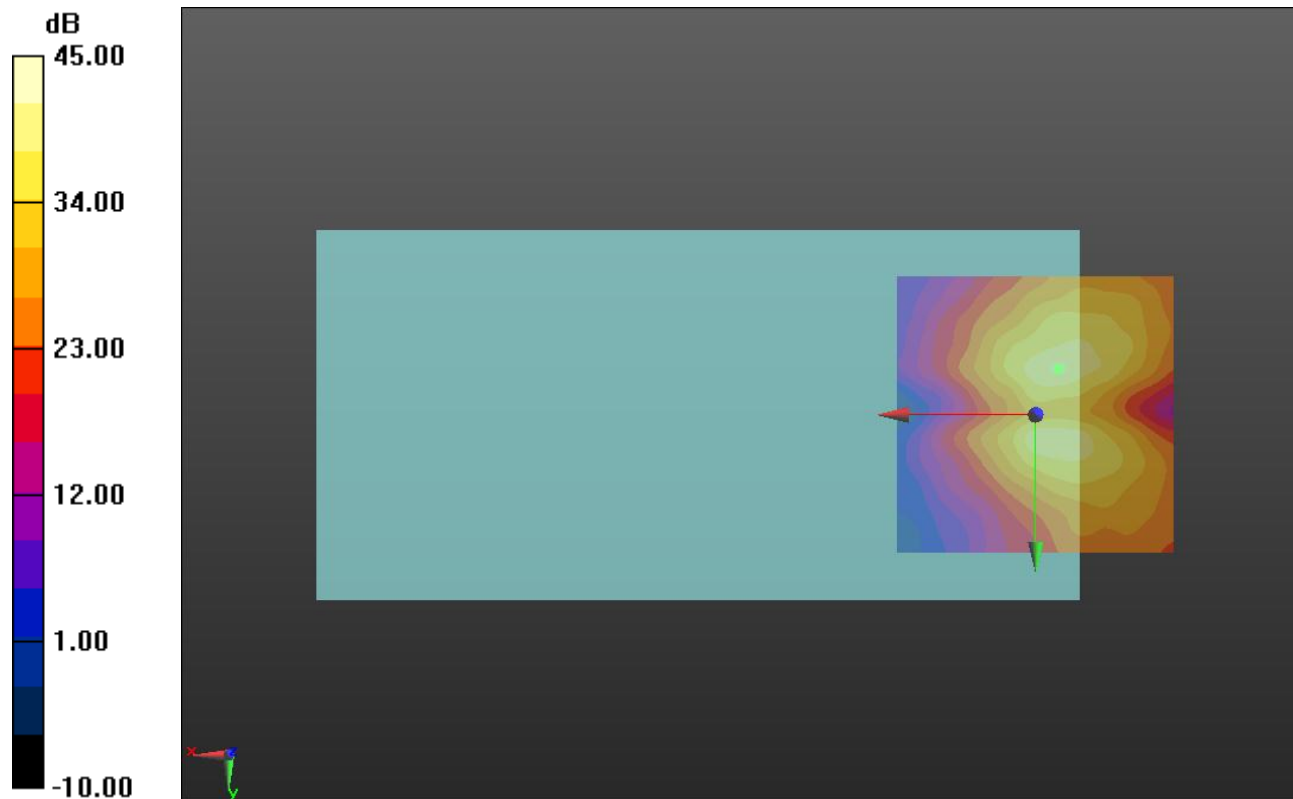
#### Cursor:

ABM1/ABM2 = 41.90 dB

ABM1 comp = -7.08 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -8.3, 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

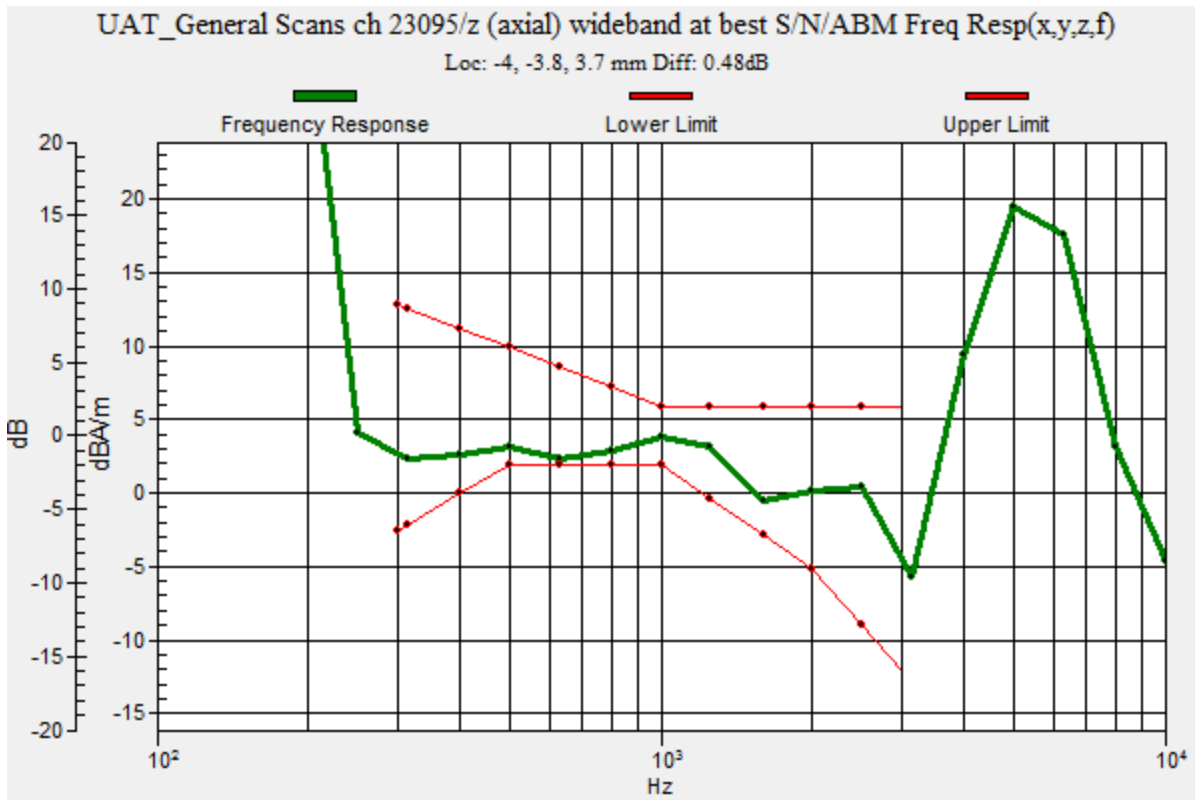
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.48 dB

BWC Factor = 10.80 dB

Location: -4, -3.8, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

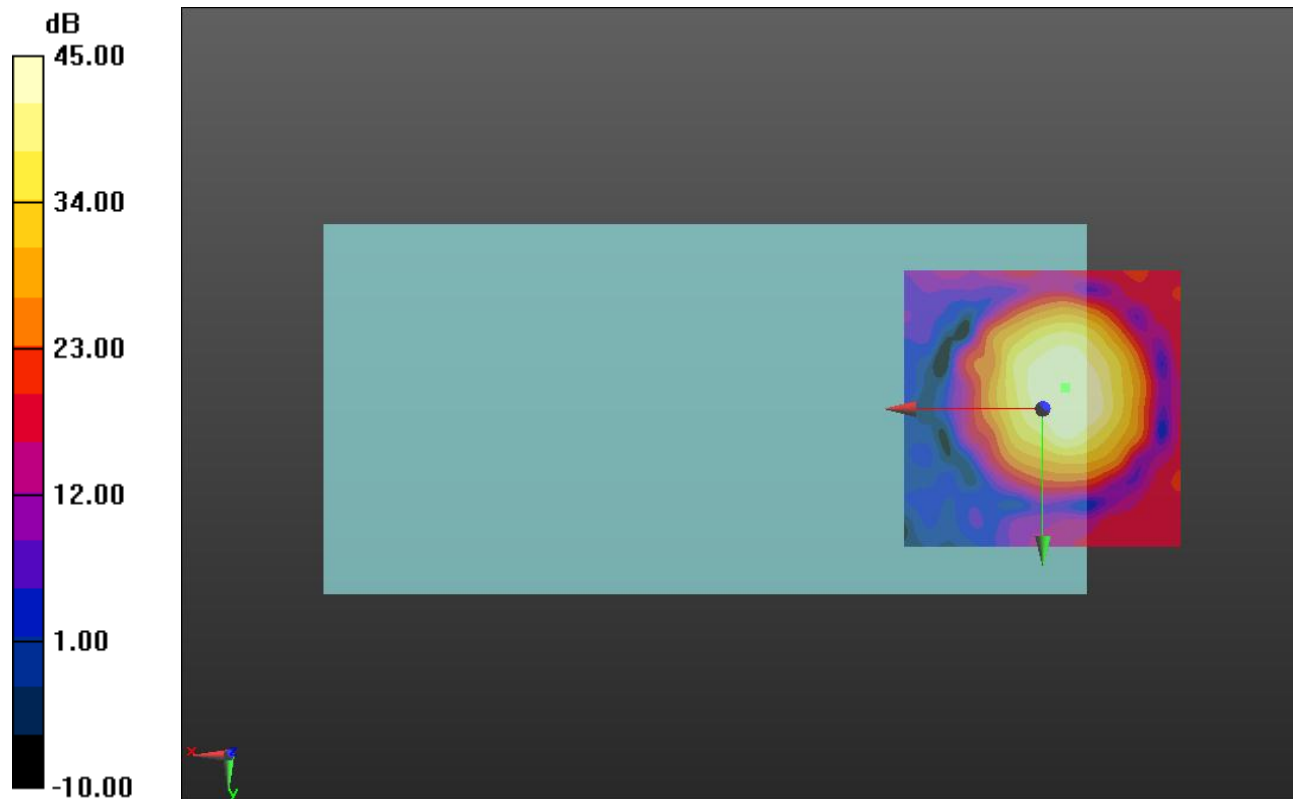
**Cursor:**

ABM1/ABM2 = 46.05 dB

ABM1 comp = 0.83 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -3.8, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

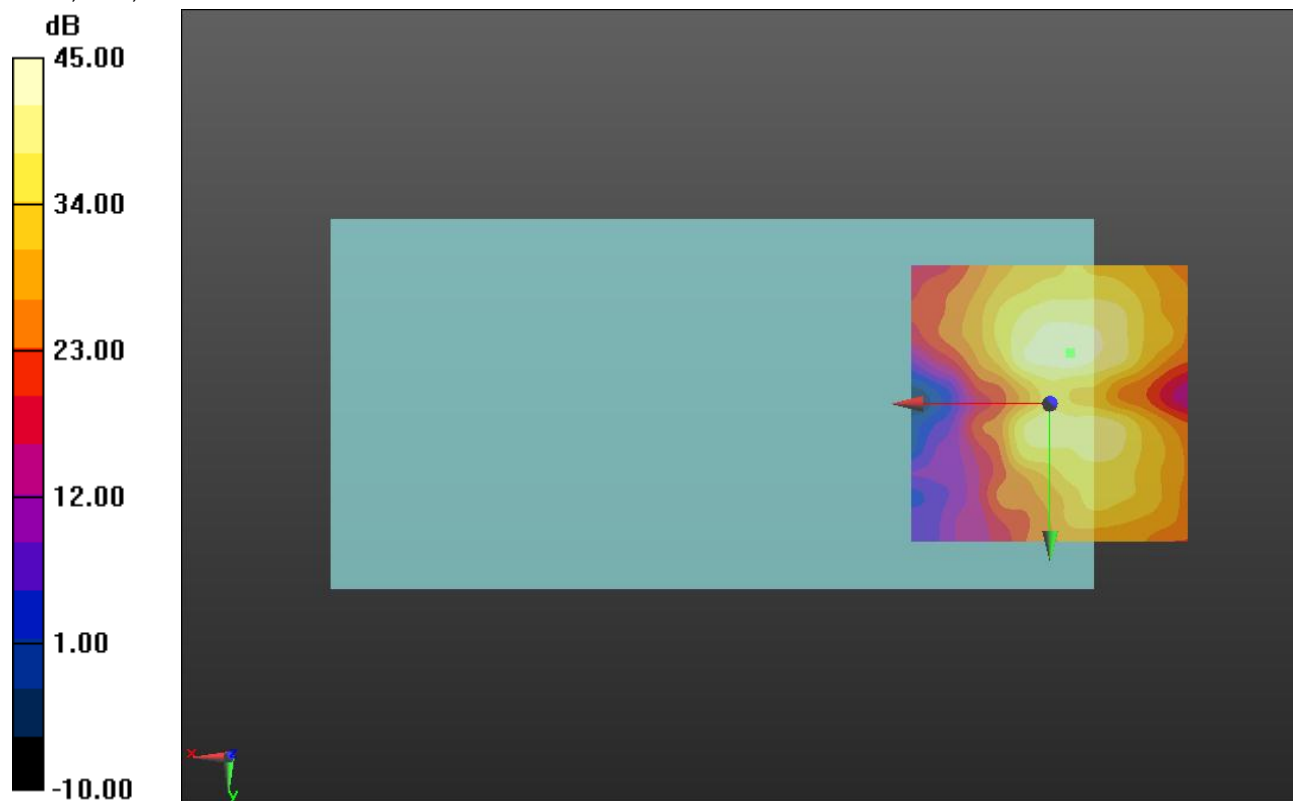
#### Cursor:

ABM1/ABM2 = 43.93 dB

ABM1 comp = -7.99 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -9.2, 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)/UAT\_General Scans ch 23230/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

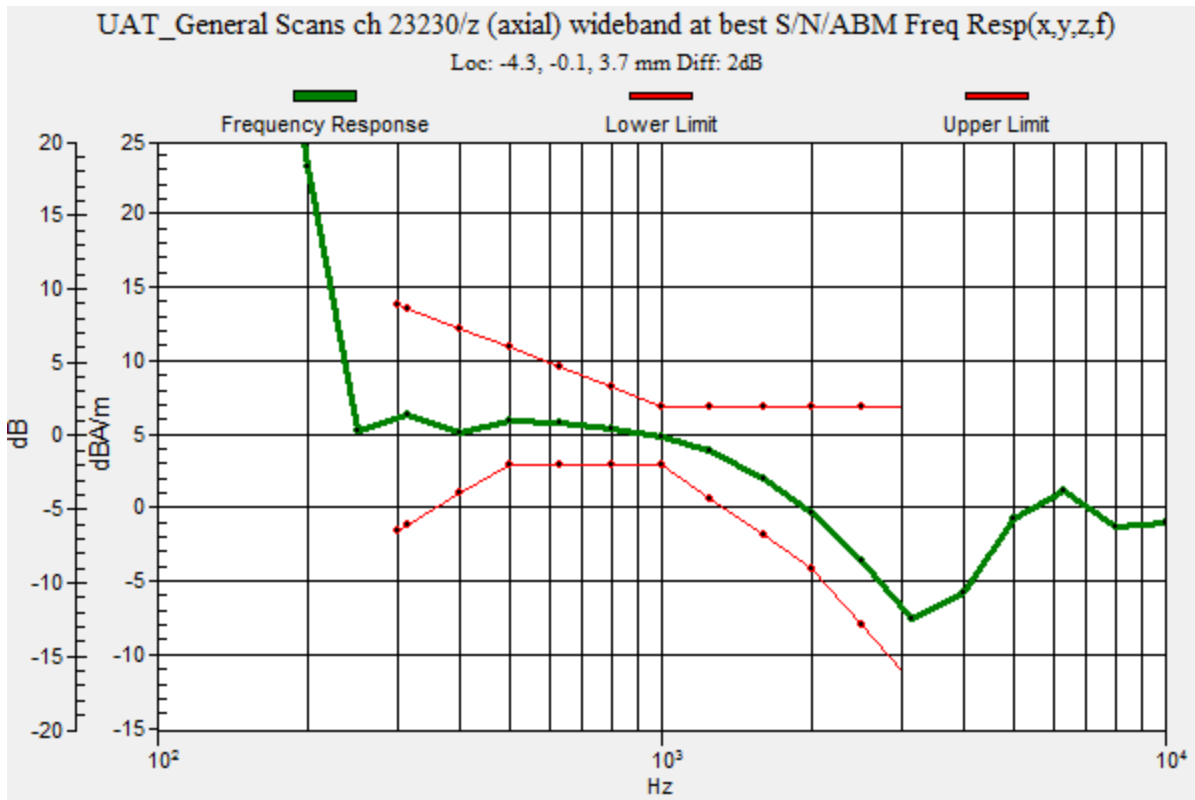
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.3, -0.1, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

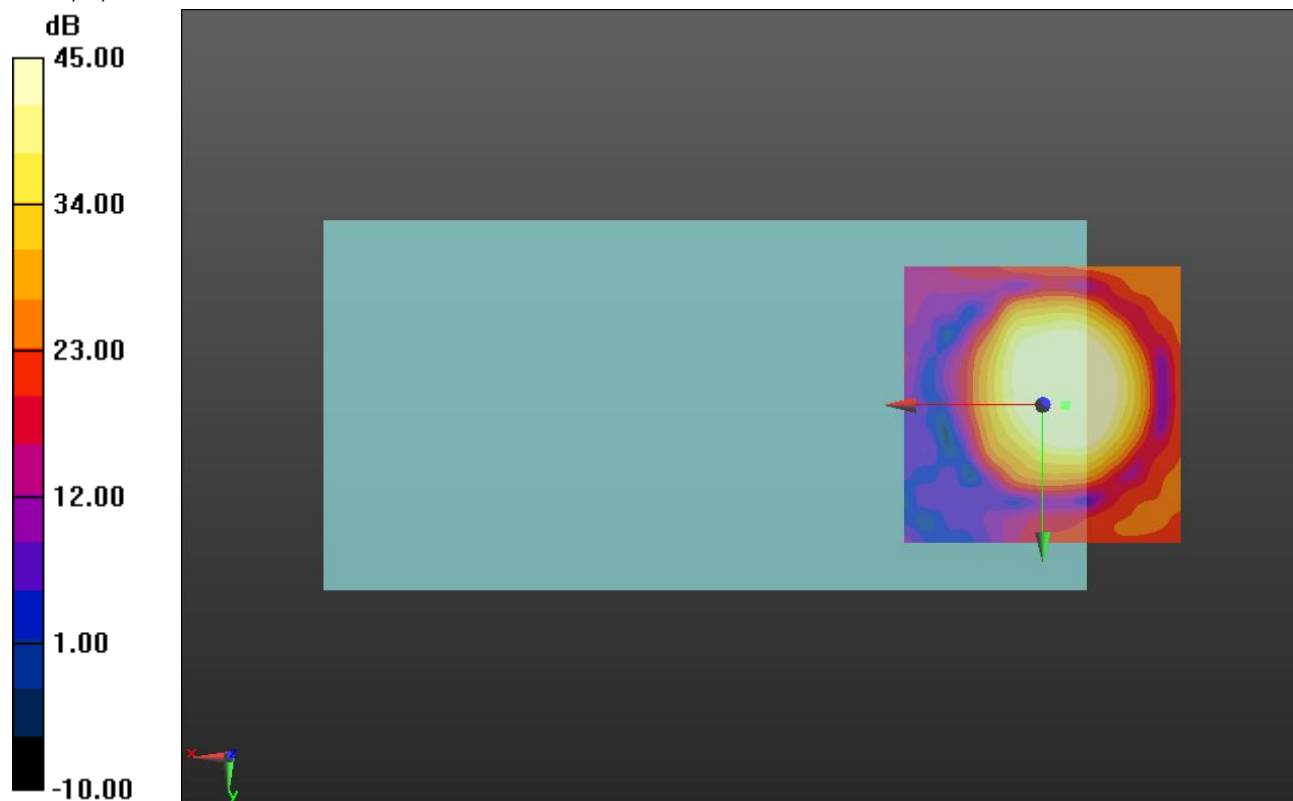
**Cursor:**

ABM1/ABM2 = 52.63 dB

ABM1 comp = 4.95 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 0, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

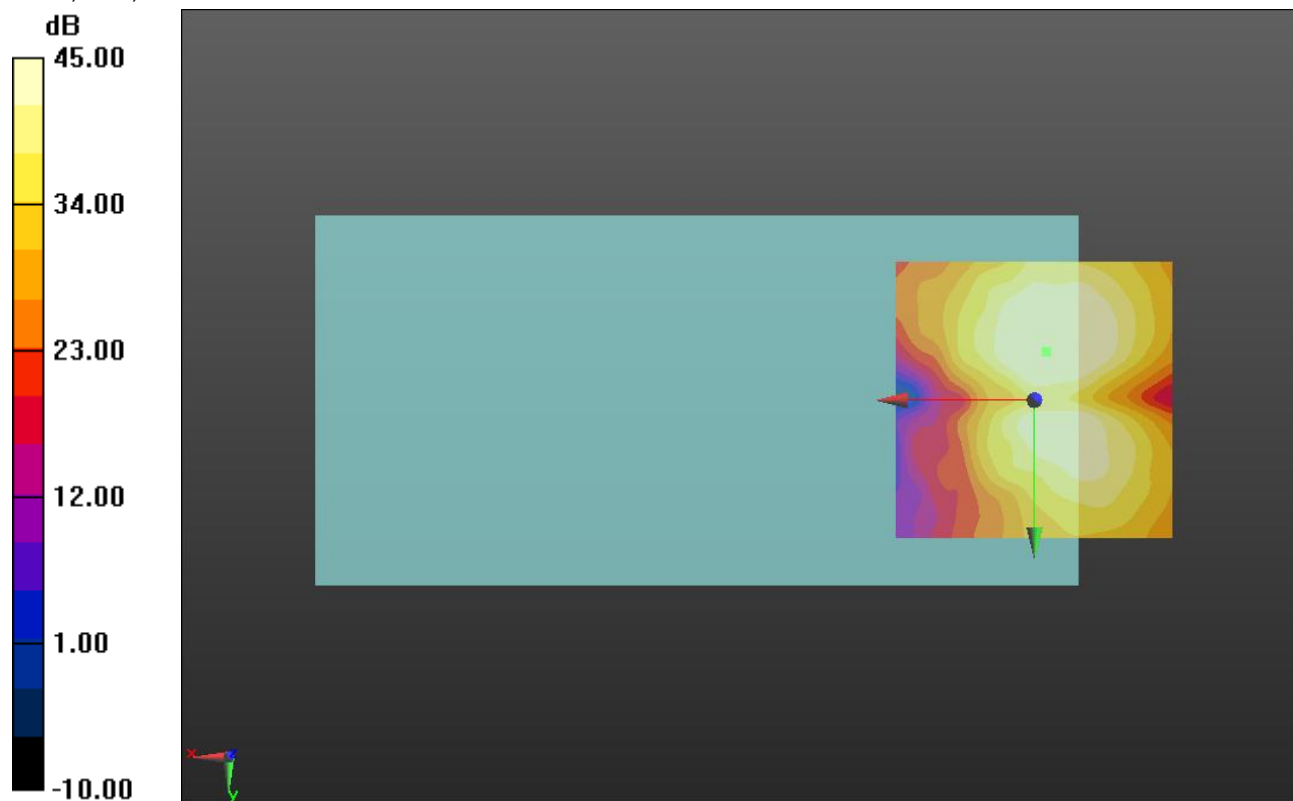
**Cursor:**

ABM1/ABM2 = 49.32 dB

ABM1 comp = -1.95 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -8.8, 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

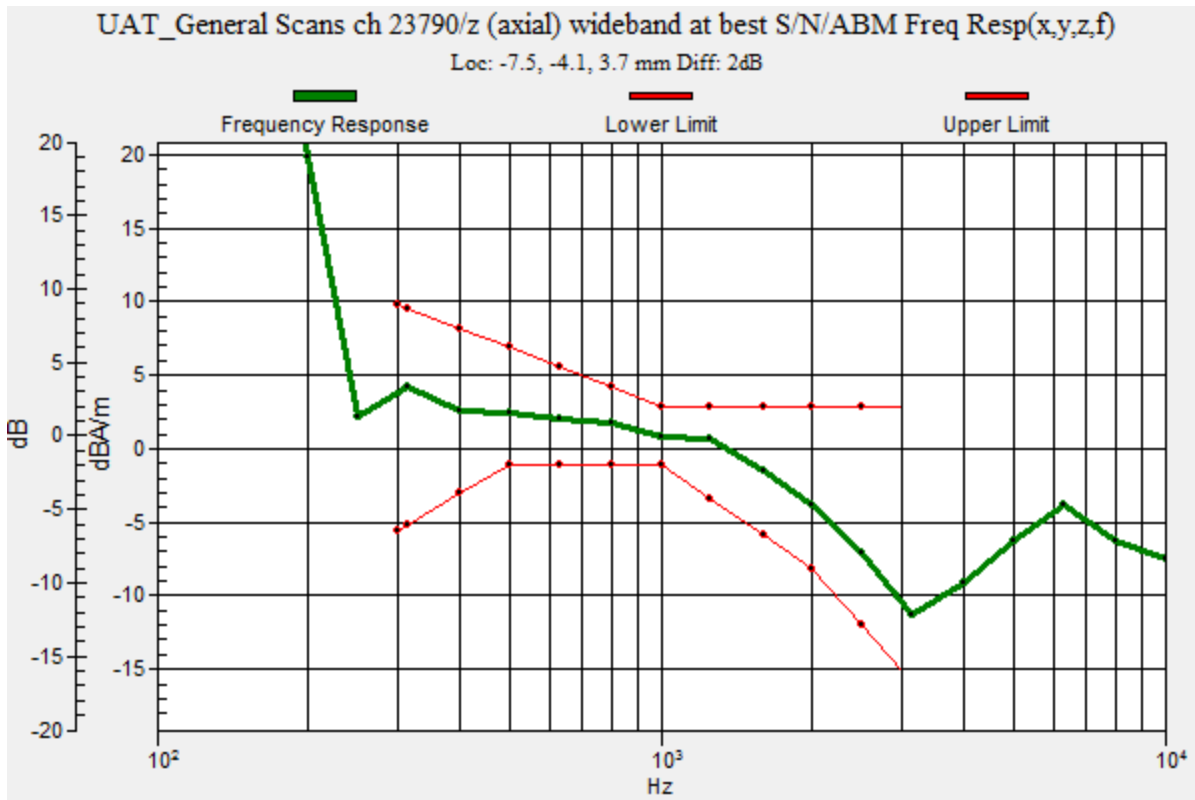
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -7.5, -4.1, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

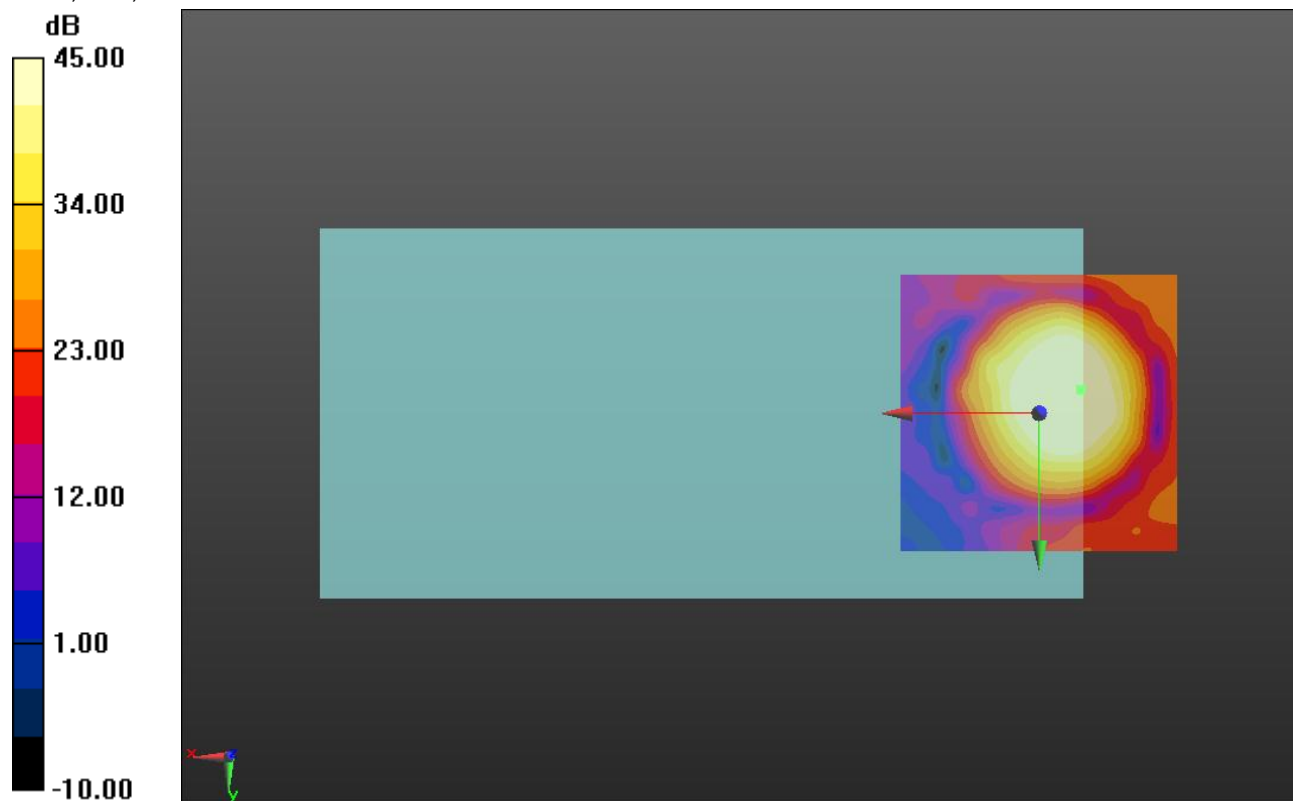
**Cursor:**

ABM1/ABM2 = 50.93 dB

ABM1 comp = 1.44 dBA/m

BWC Factor = 0.16 dB

Location: -7.5, -4.2, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

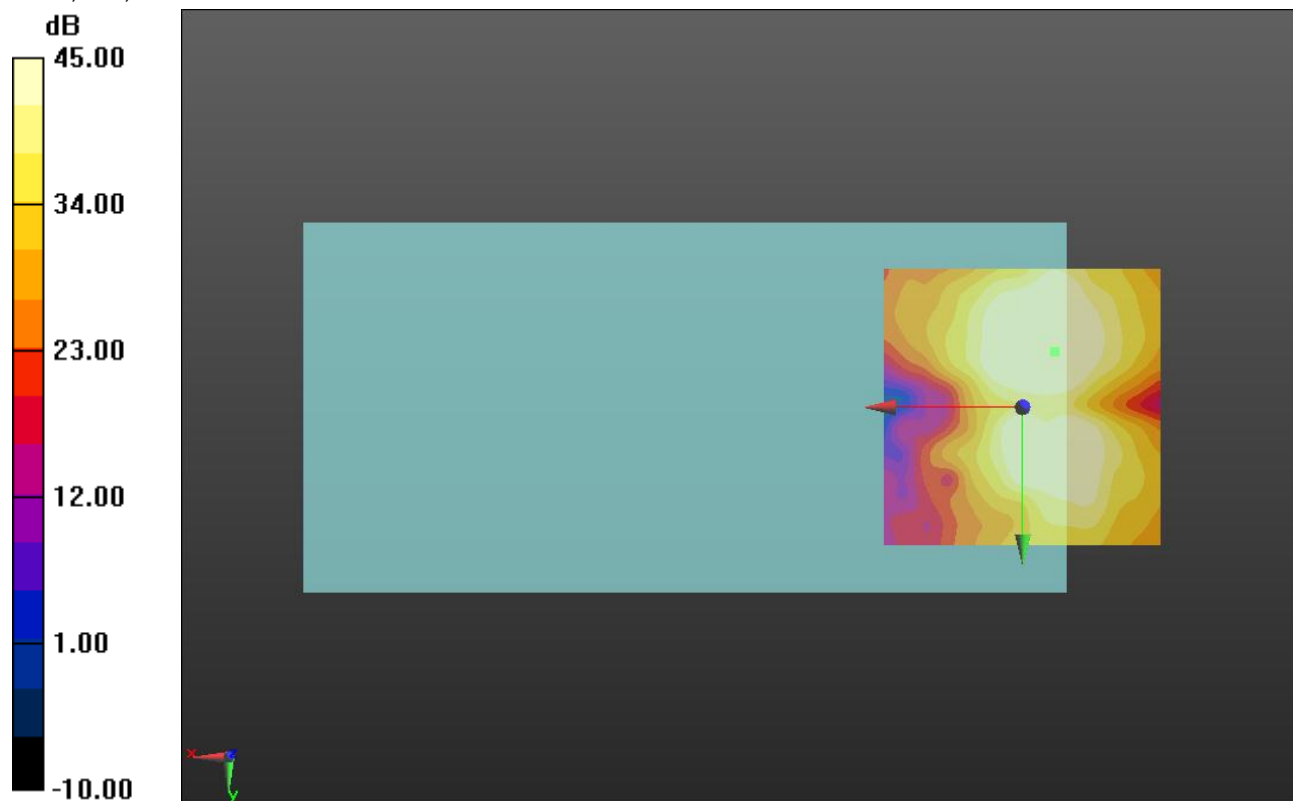
#### Cursor:

ABM1/ABM2 = 50.53 dB

ABM1 comp = -0.87 dBA/m

BWC Factor = 0.16 dB

Location: -5.8, -10, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

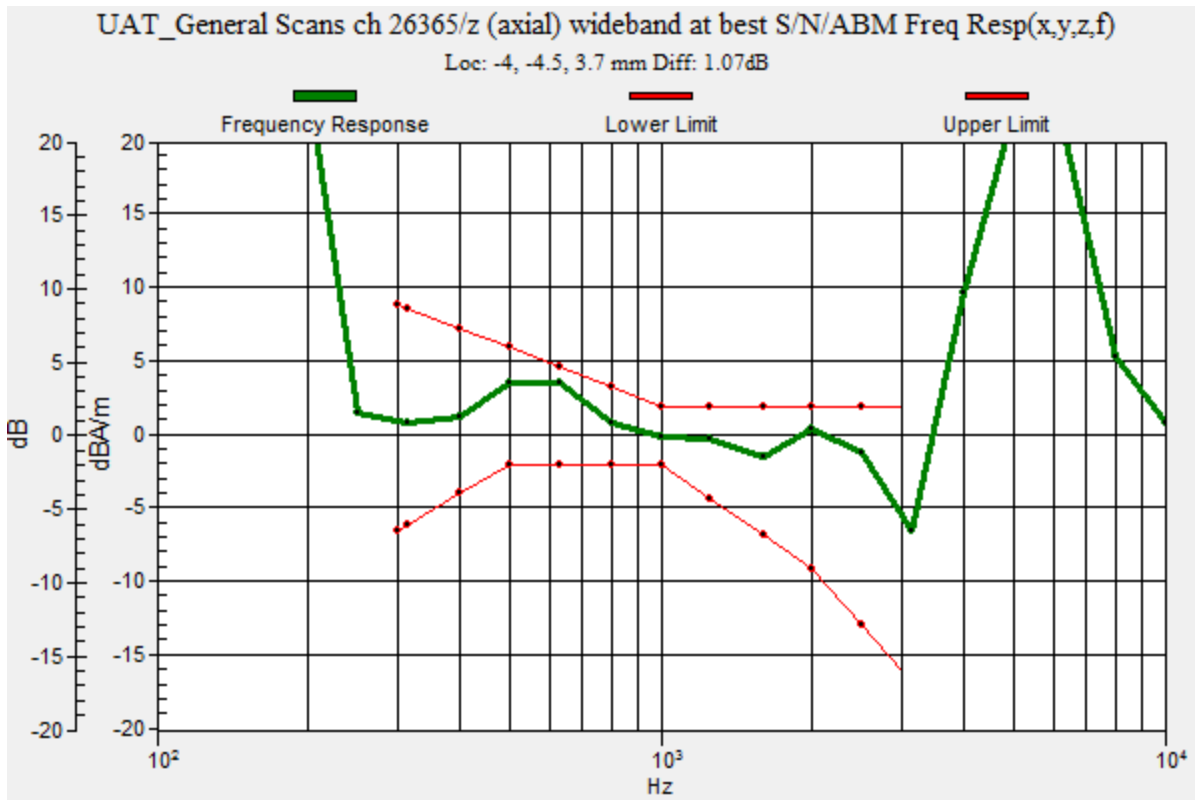
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.07 dB

BWC Factor = 10.80 dB

Location: -4, -4.5, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

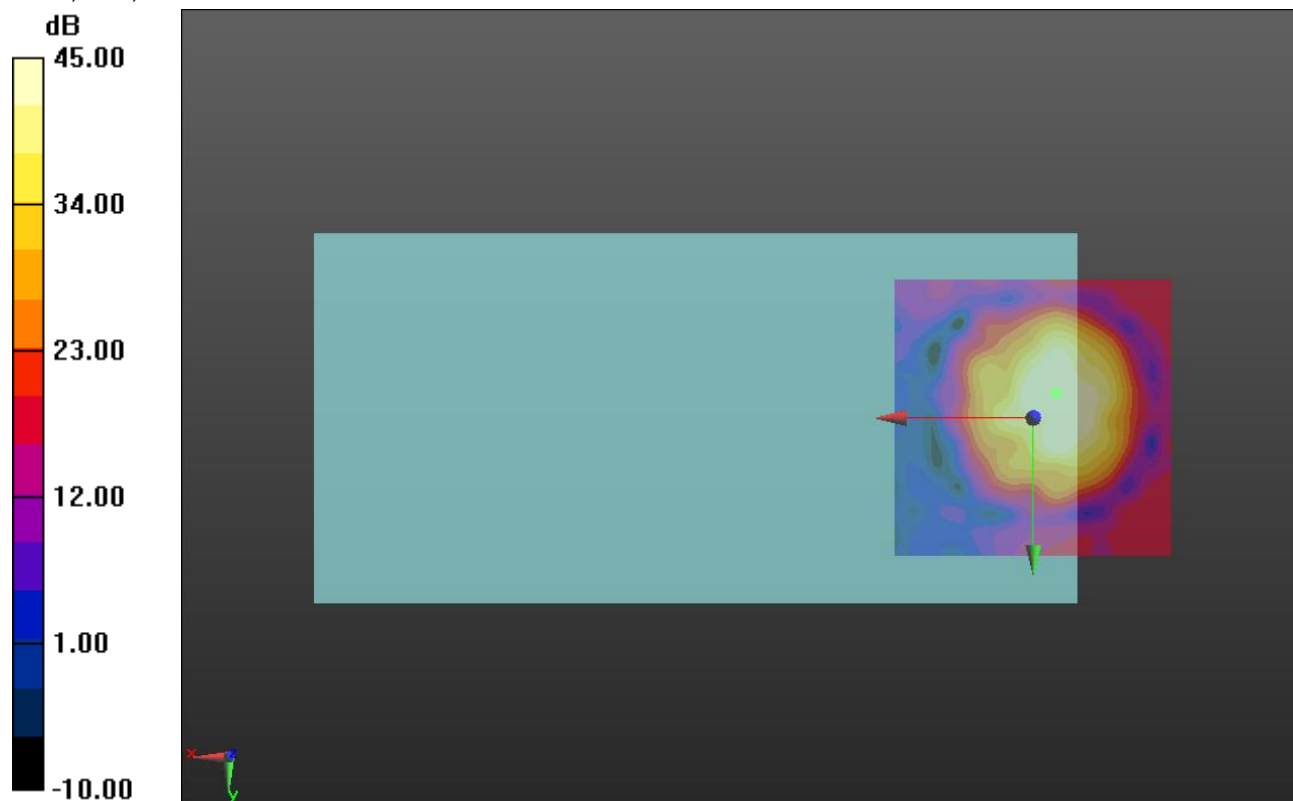
### Cursor:

ABM1/ABM2 = 49.30 dB

ABM1 comp = 0.97 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.6, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

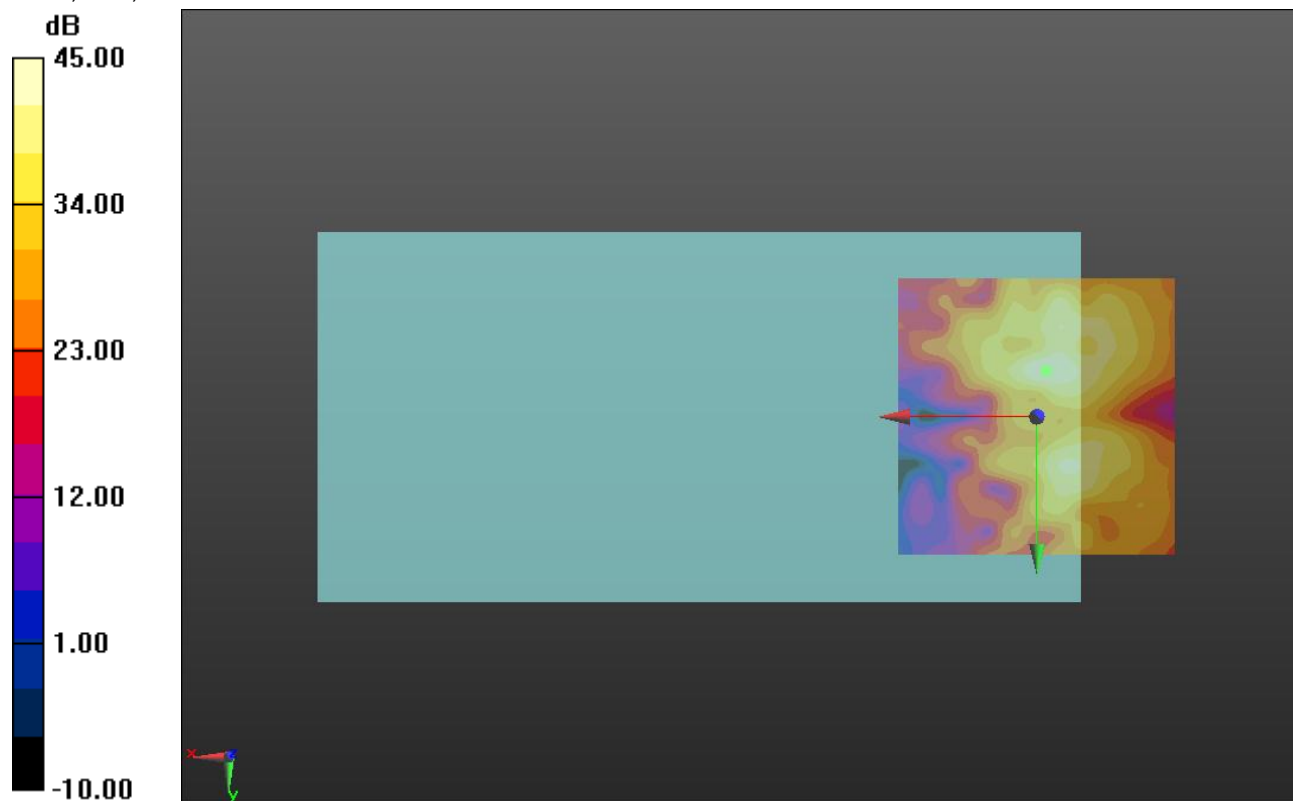
**Cursor:**

ABM1/ABM2 = 44.47 dB

ABM1 comp = -6.93 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 26\_Narrowband

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

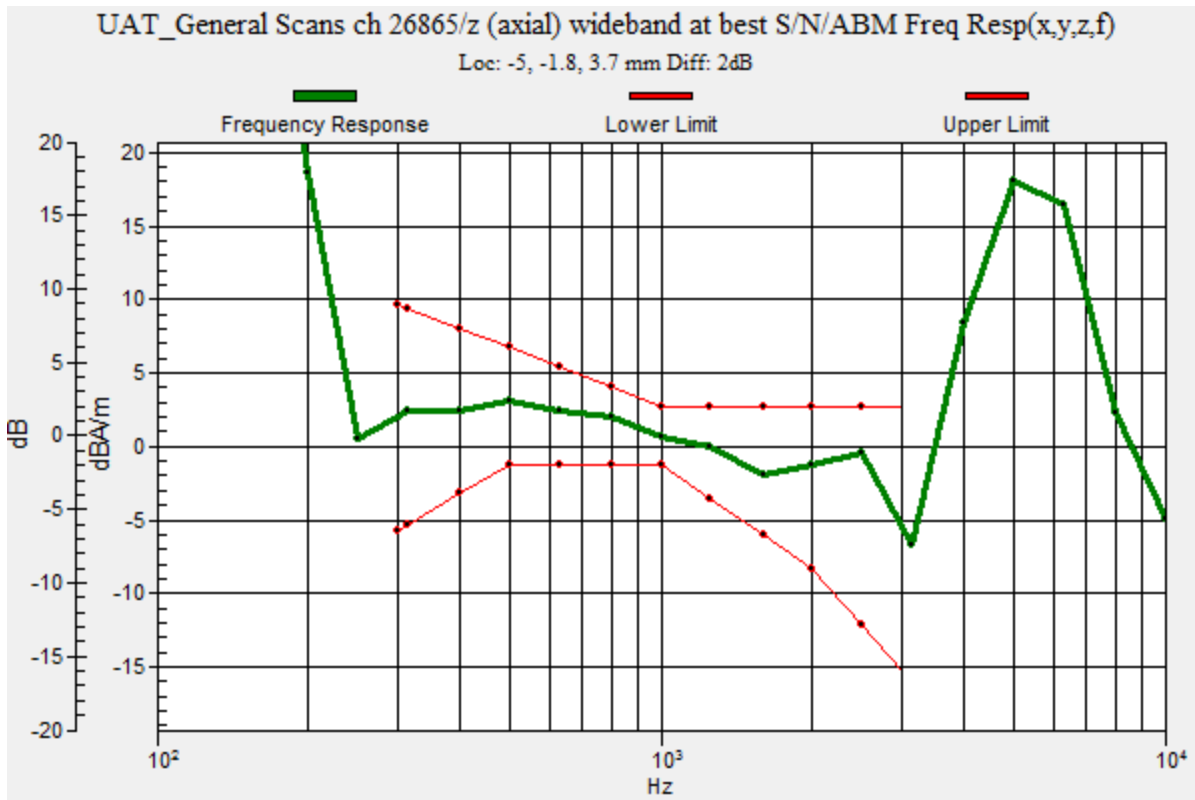
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -5, -1.8, 3.7 mm



### LTE Band 26\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

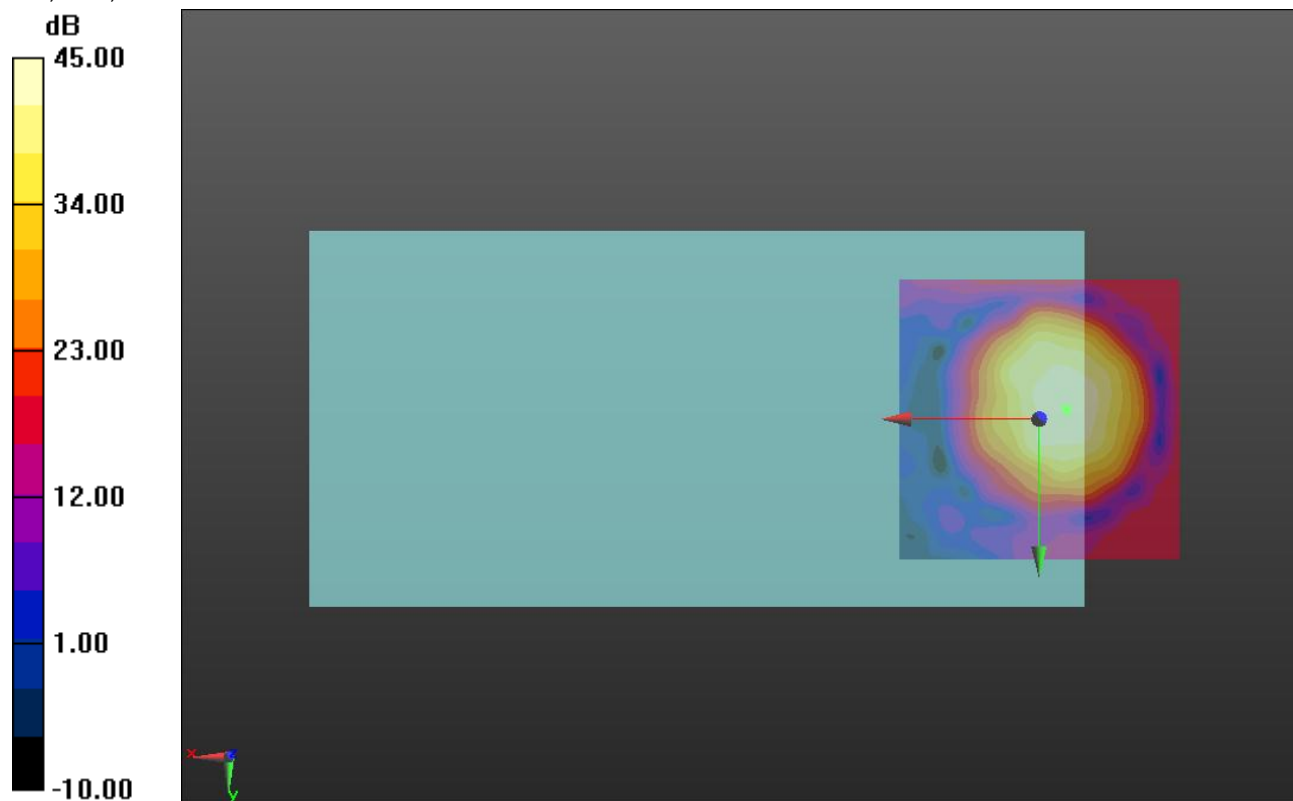
**Cursor:**

ABM1/ABM2 = 44.66 dB

ABM1 comp = -0.56 dBA/m

BWC Factor = 0.16 dB

Location: -5, -1.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 26\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

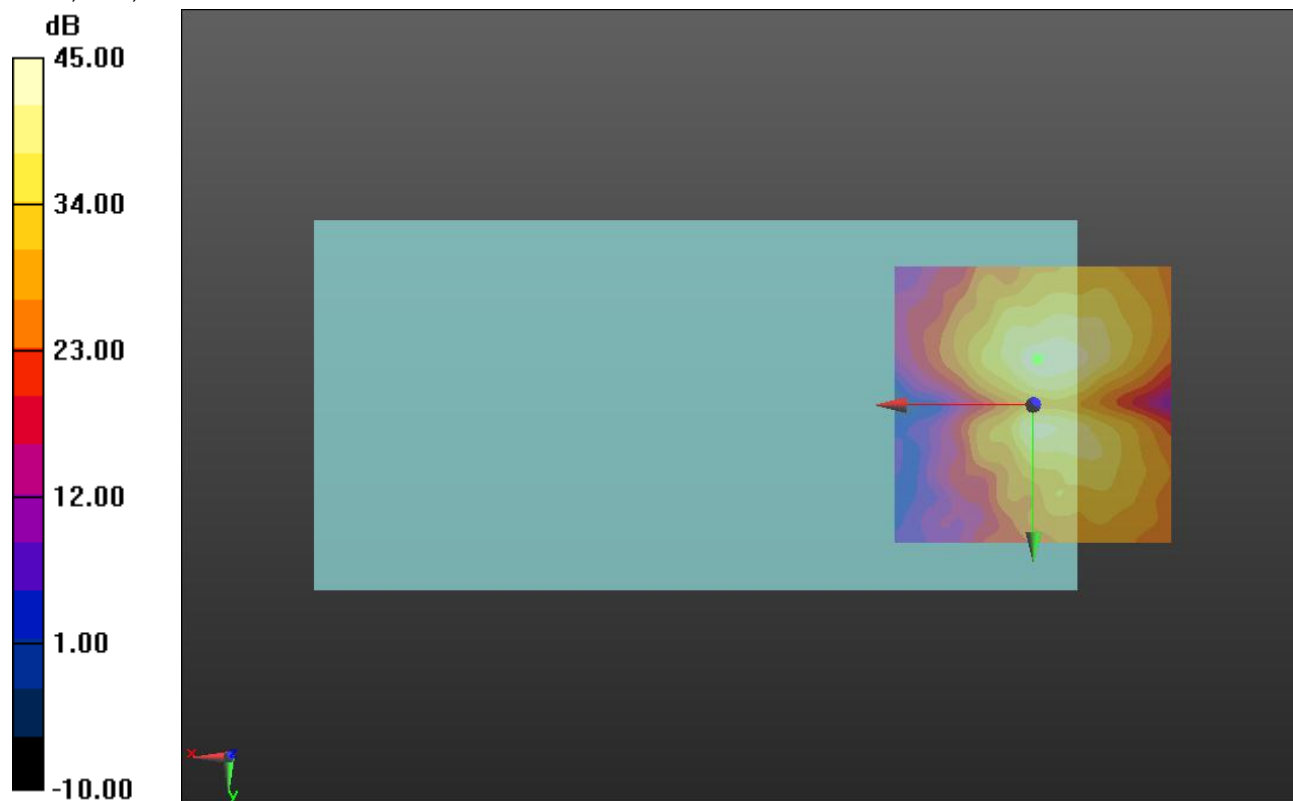
#### Cursor:

ABM1/ABM2 = 43.53 dB

ABM1 comp = -7.19 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -8.3, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

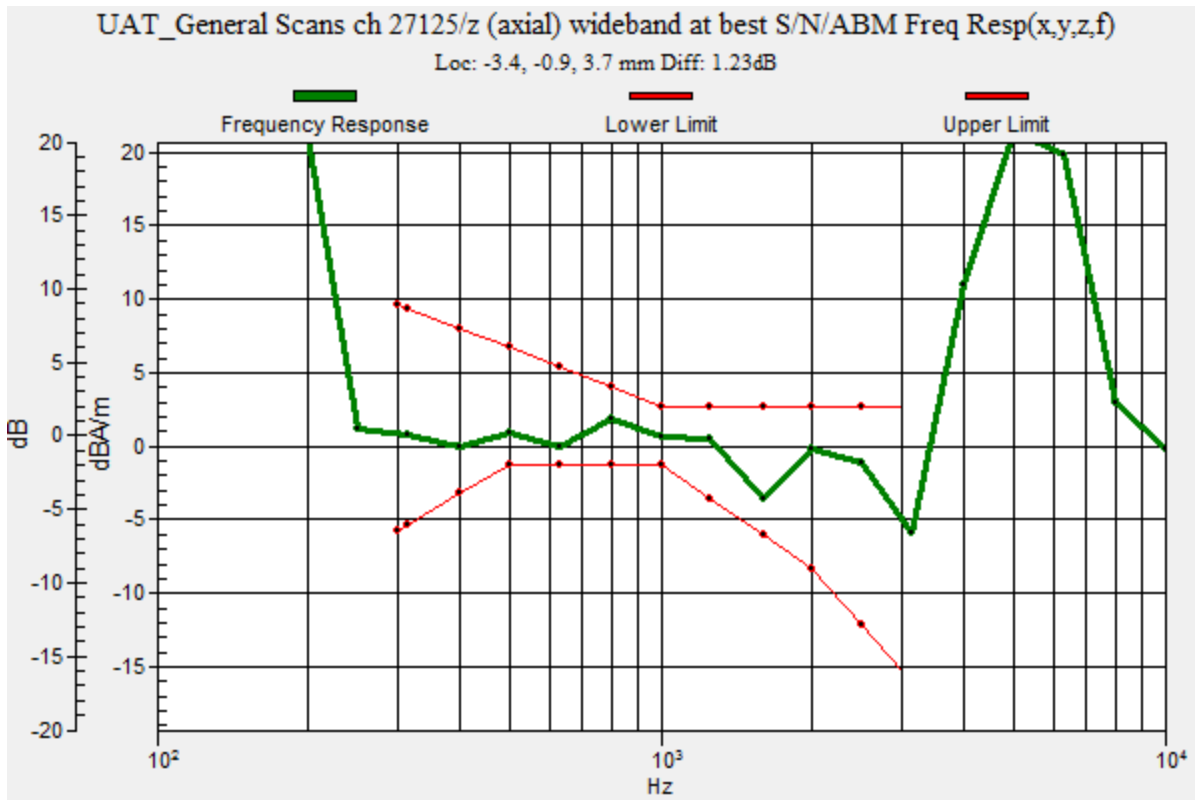
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.23 dB

BWC Factor = 10.80 dB

Location: -3.4, -0.9, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

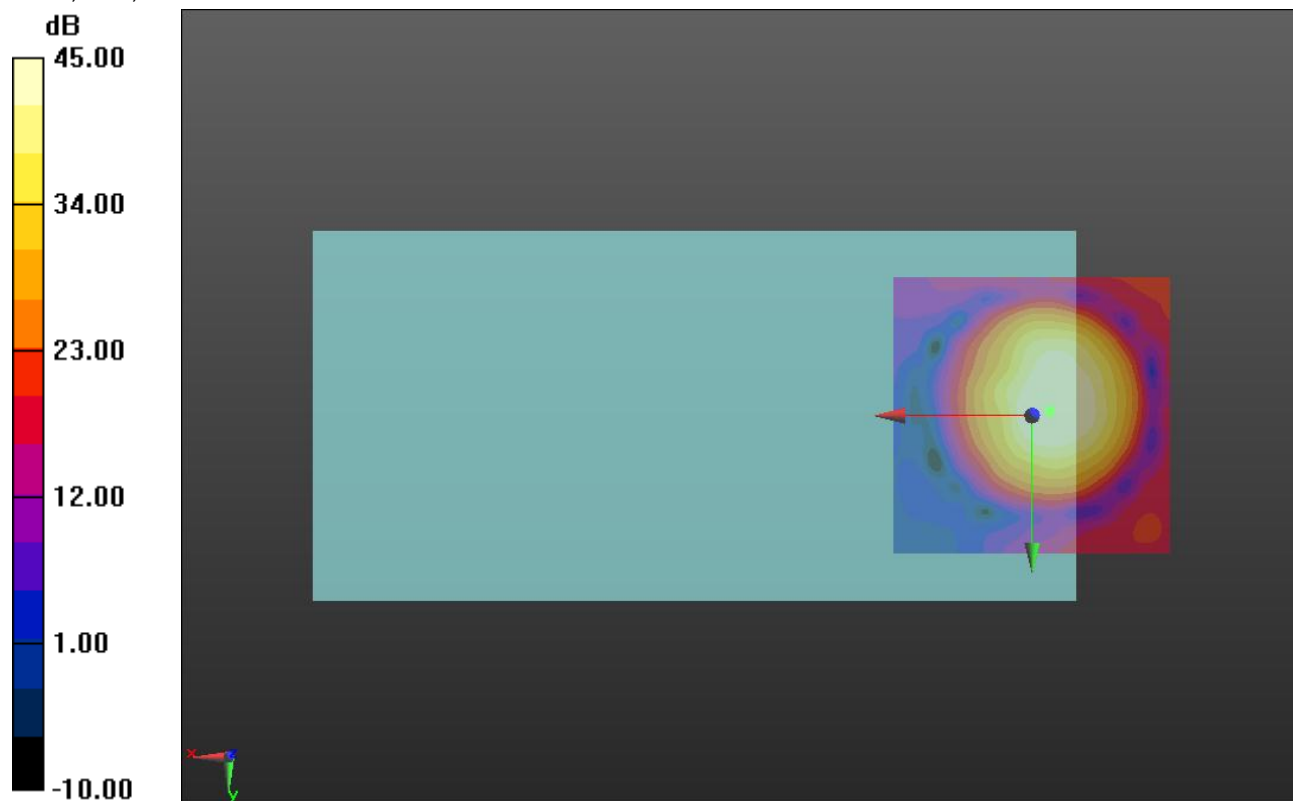
**Cursor:**

ABM1/ABM2 = 47.40 dB

ABM1 comp = 0.36 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -0.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

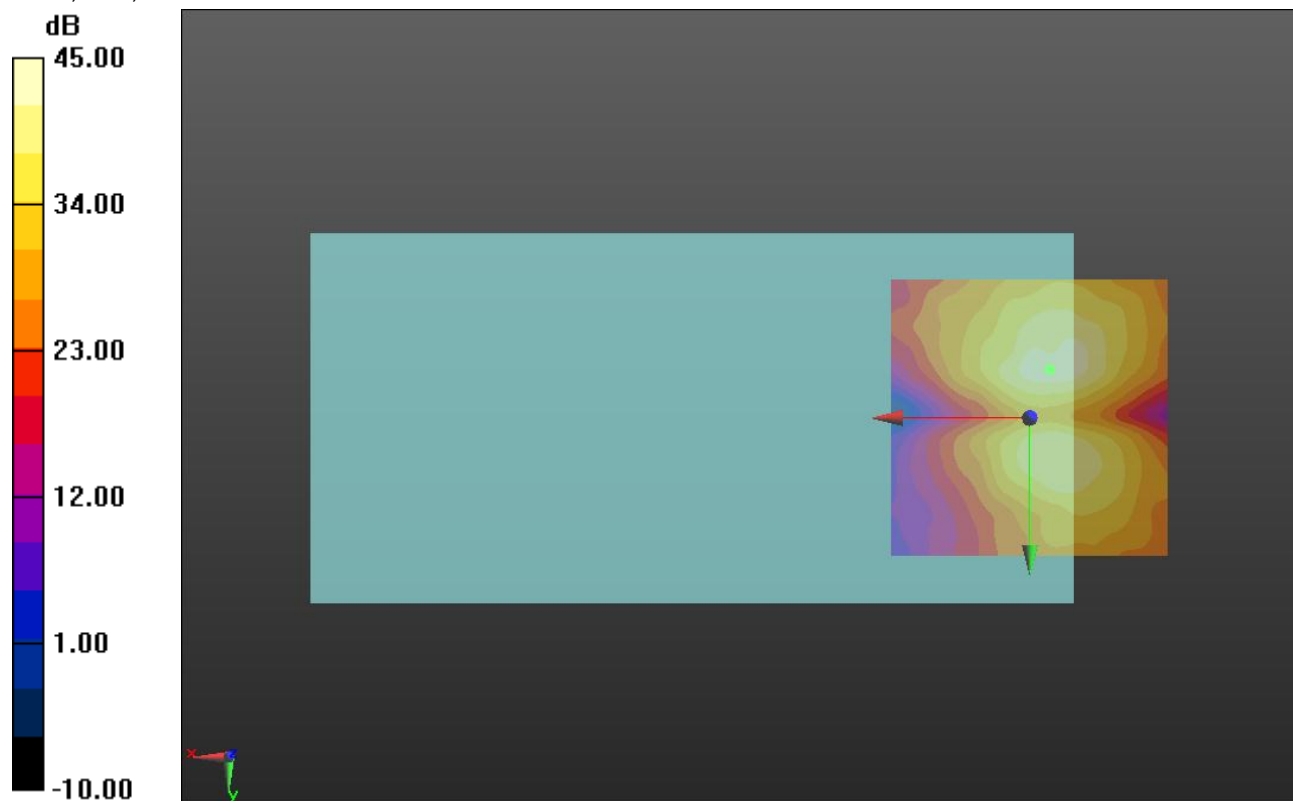
#### Cursor:

ABM1/ABM2 = 43.39 dB

ABM1 comp = -8.29 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\_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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

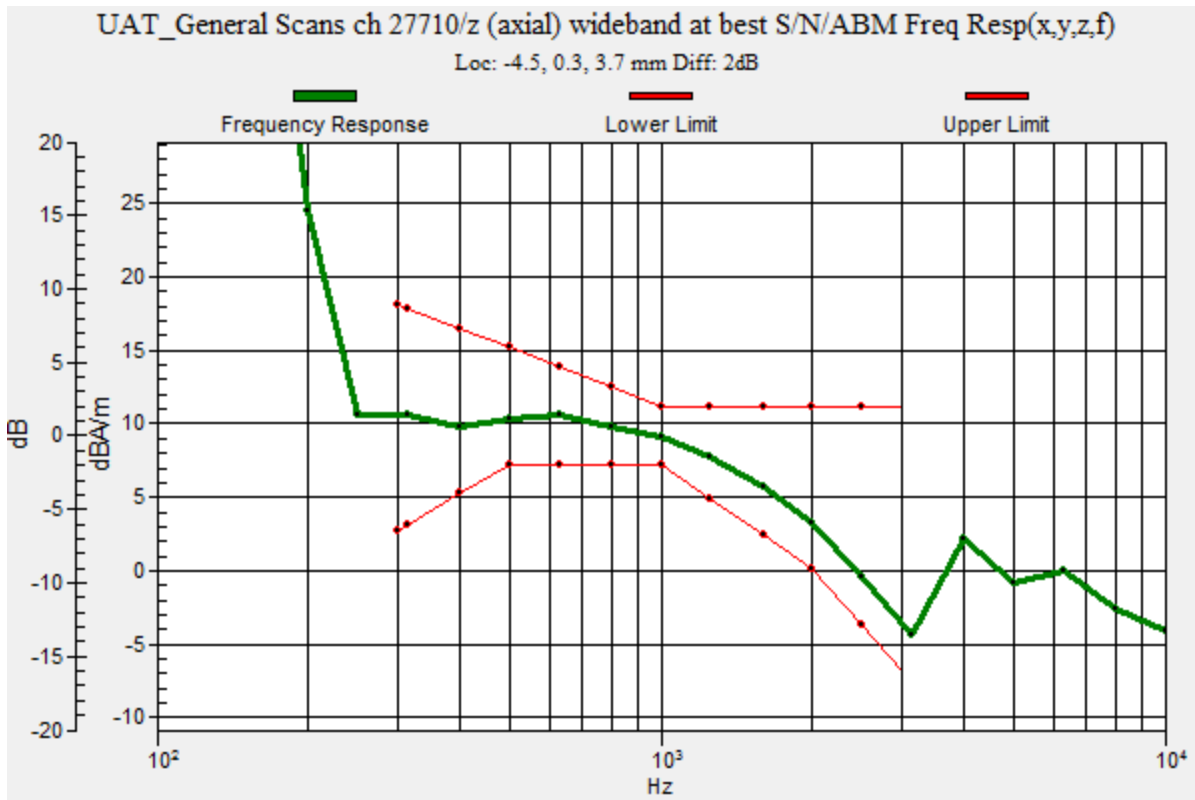
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.5, 0.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

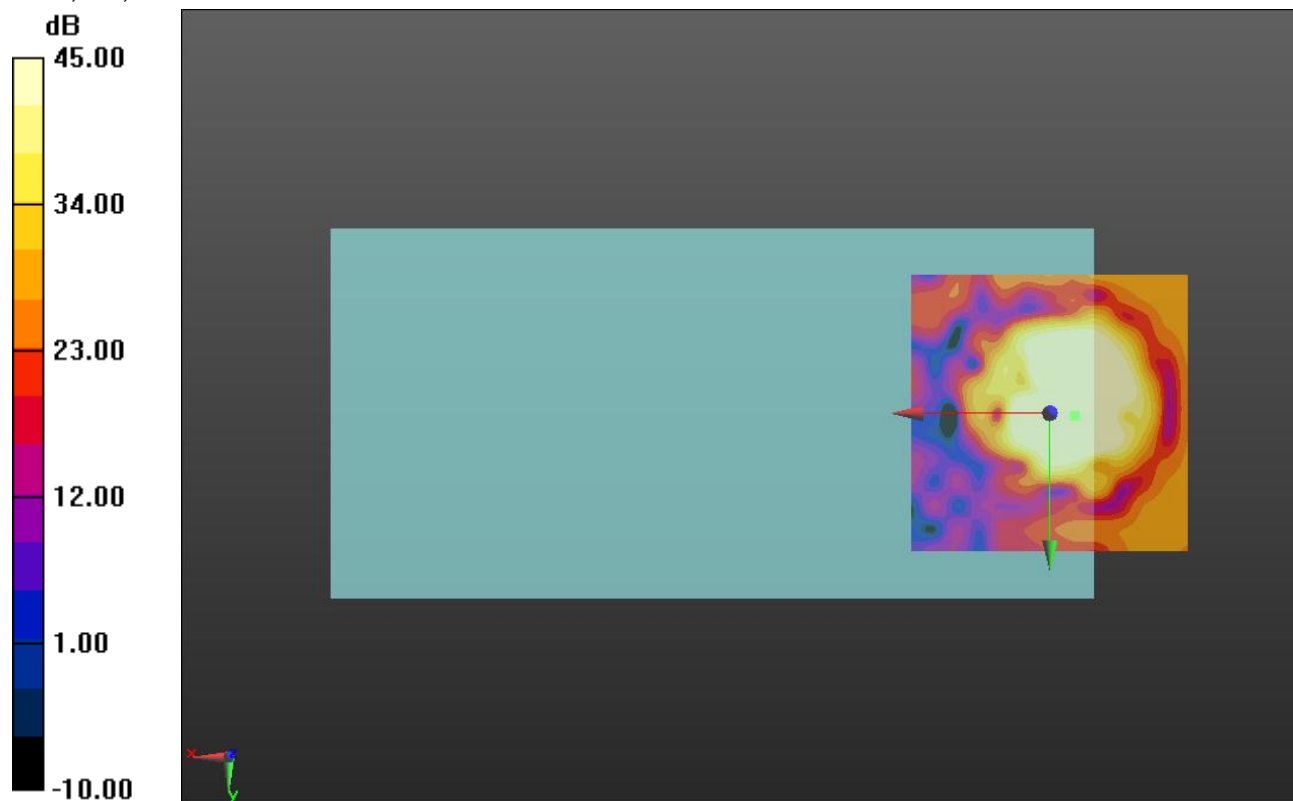
**Cursor:**

ABM1/ABM2 = 57.53 dB

ABM1 comp = 9.39 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, 0.4, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

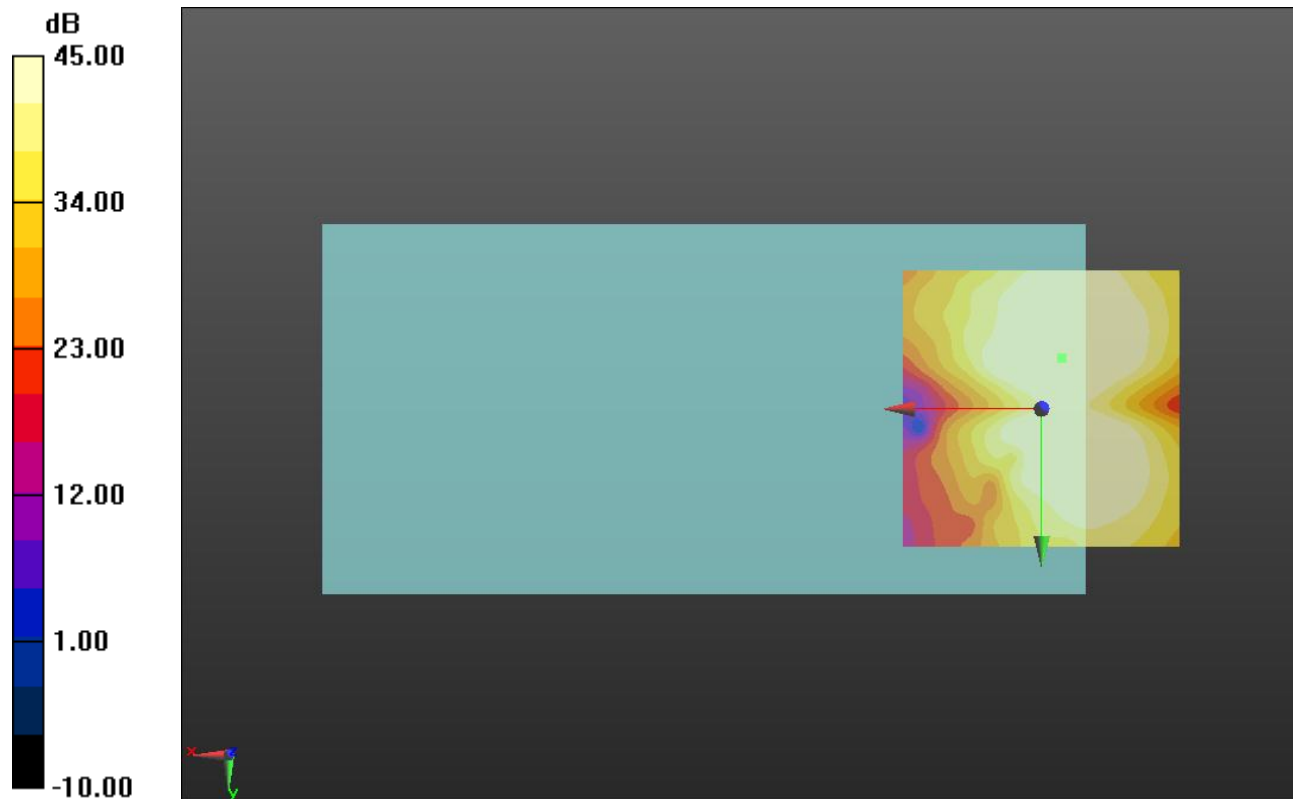
#### Cursor:

ABM1/ABM2 = 53.14 dB

ABM1 comp = 2.67 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 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

### 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

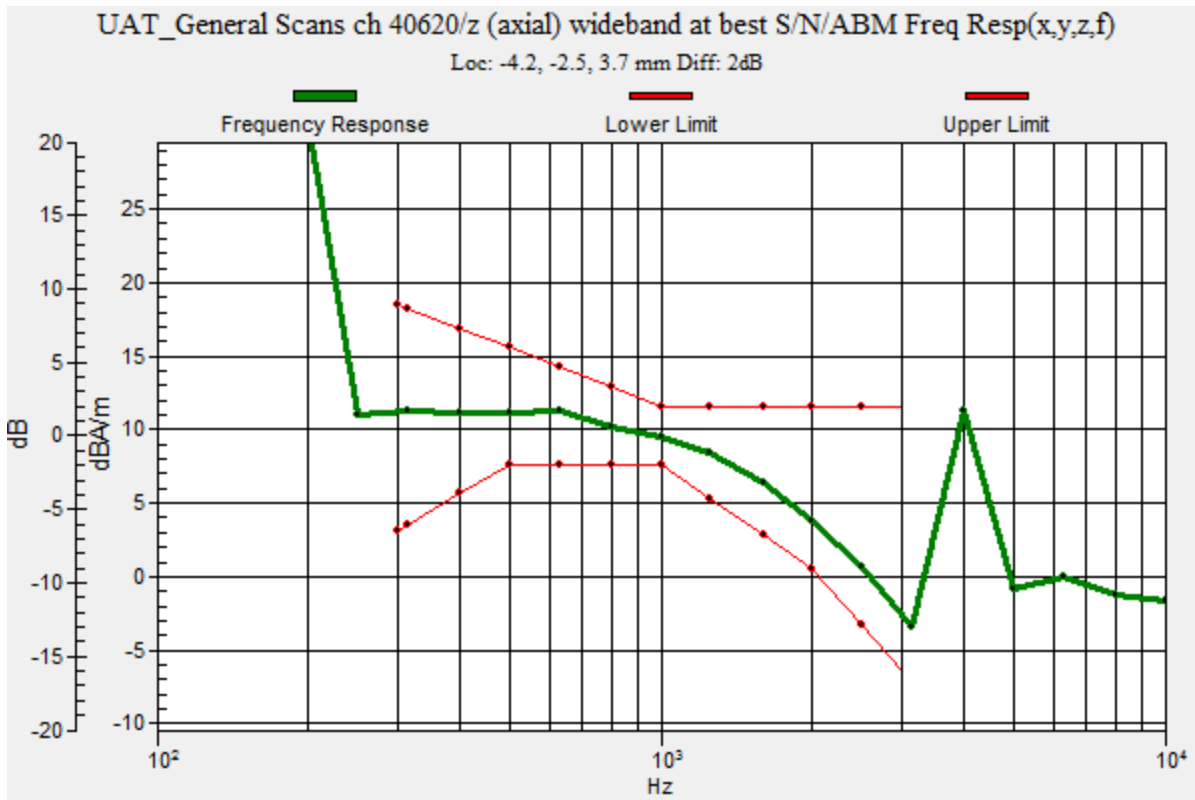
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.2, -2.5, 3.7 mm



### LTE Band 41\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

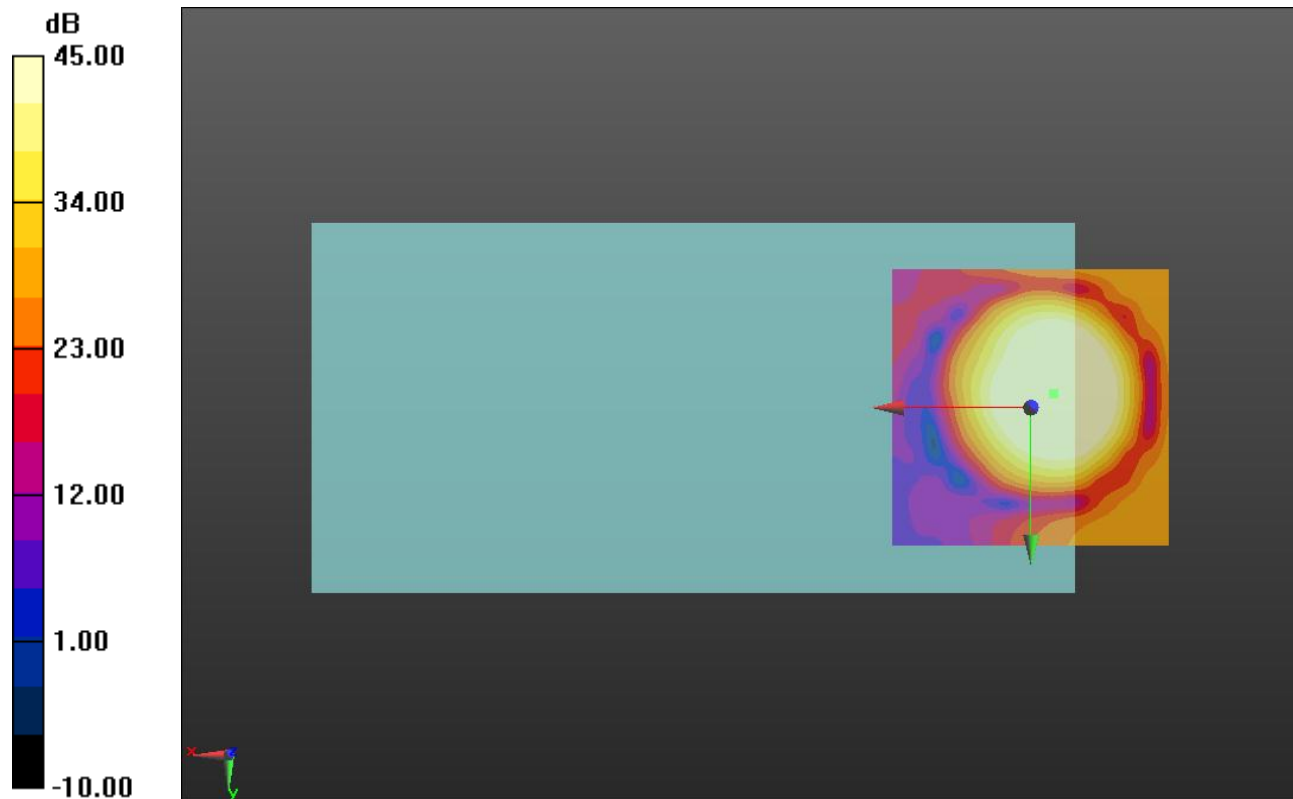
**Cursor:**

ABM1/ABM2 = 55.72 dB

ABM1 comp = 10.17 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -2.5, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

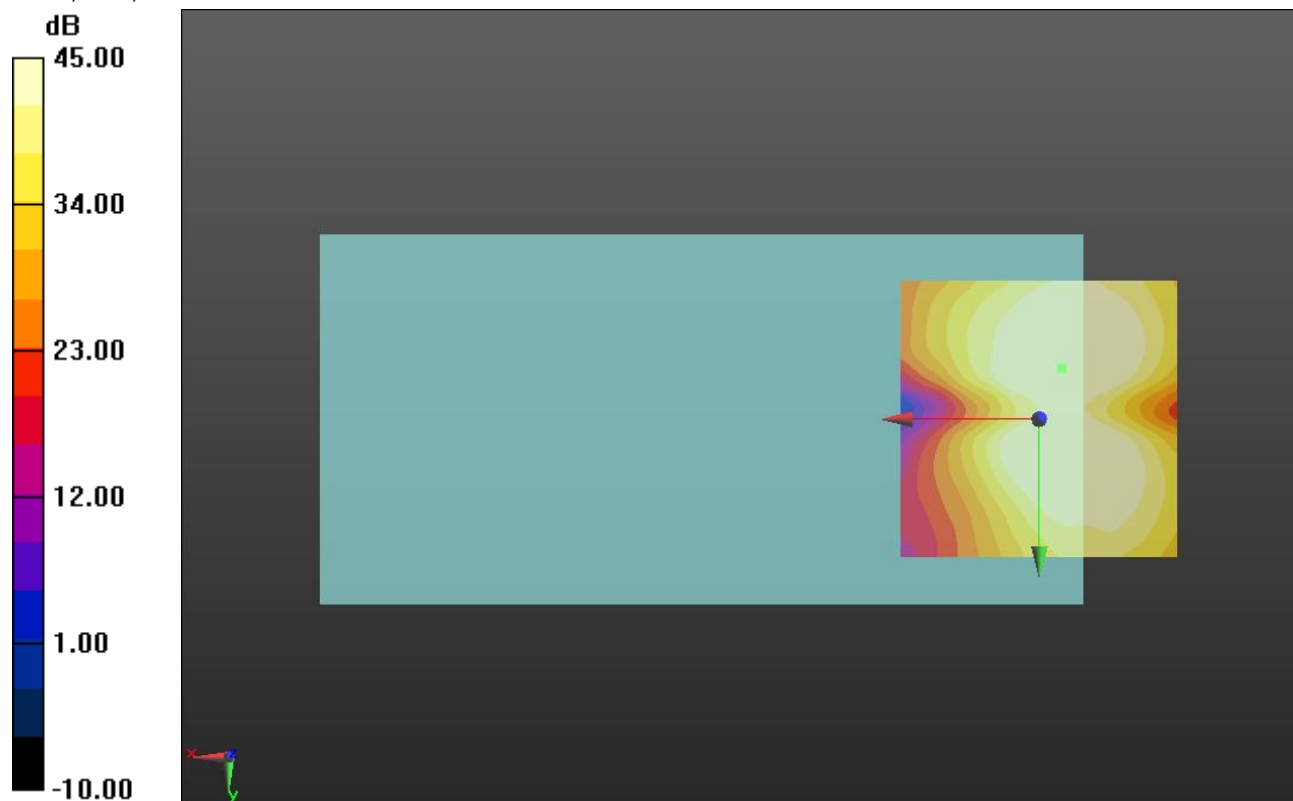
#### Cursor:

ABM1/ABM2 = 52.34 dB

ABM1 comp = 2.35 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.2, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

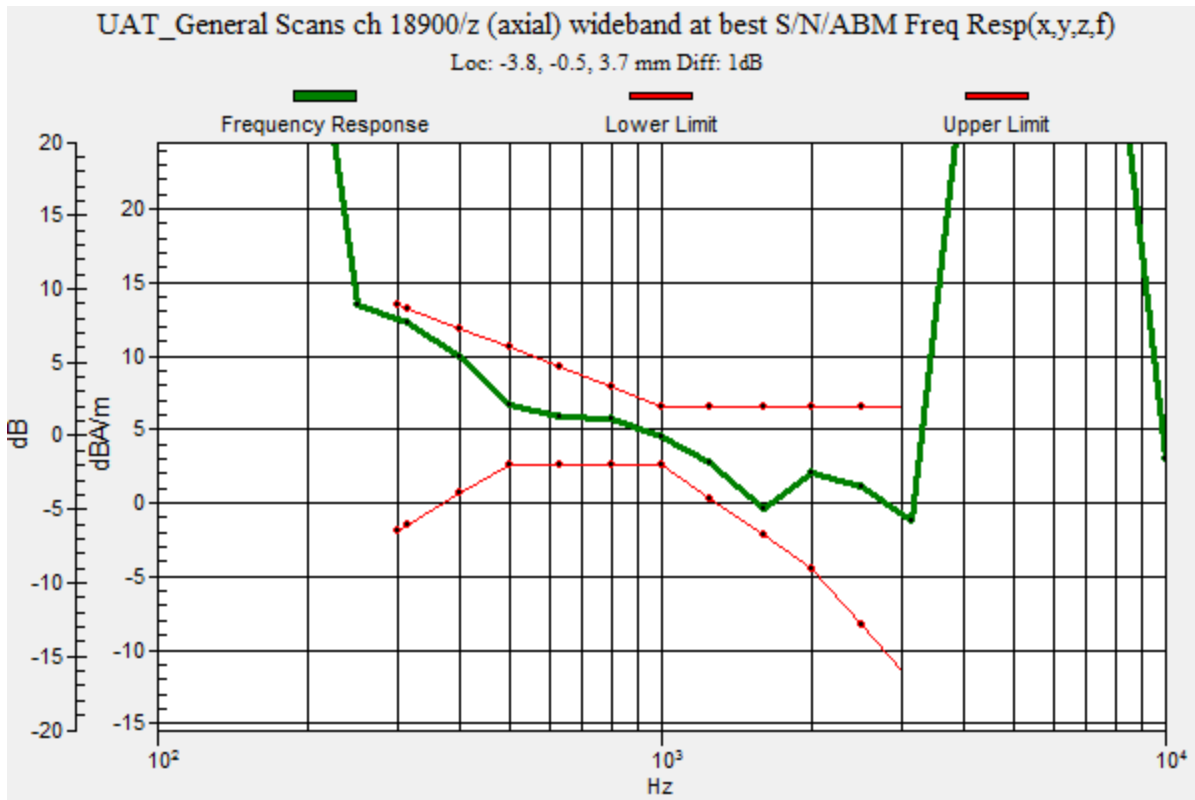
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.00 dB

BWC Factor = 10.80 dB

Location: -3.8, -0.5, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

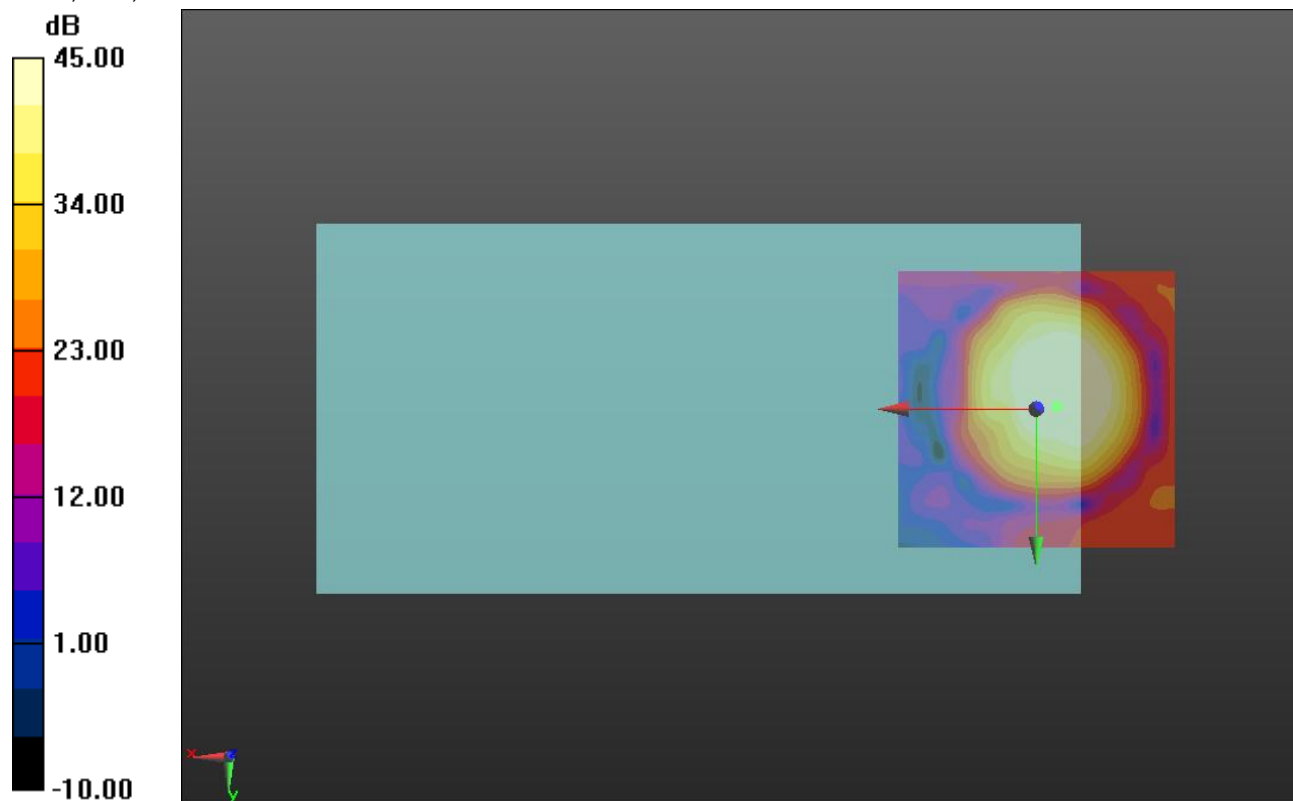
**Cursor:**

ABM1/ABM2 = 52.47 dB

ABM1 comp = 5.56 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\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

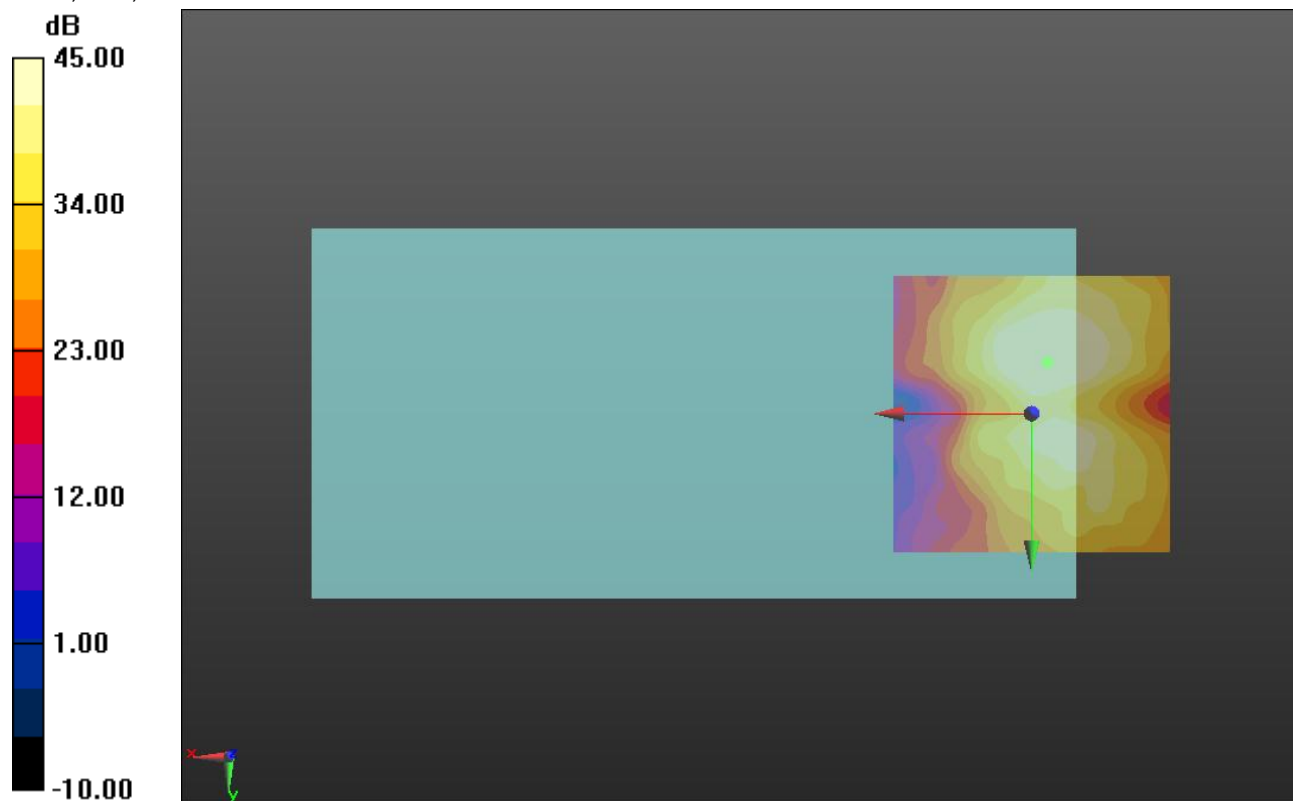
### Cursor:

ABM1/ABM2 = 48.04 dB

ABM1 comp = -2.53 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4\_Wideband

Communication System: UID 0, LTE (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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

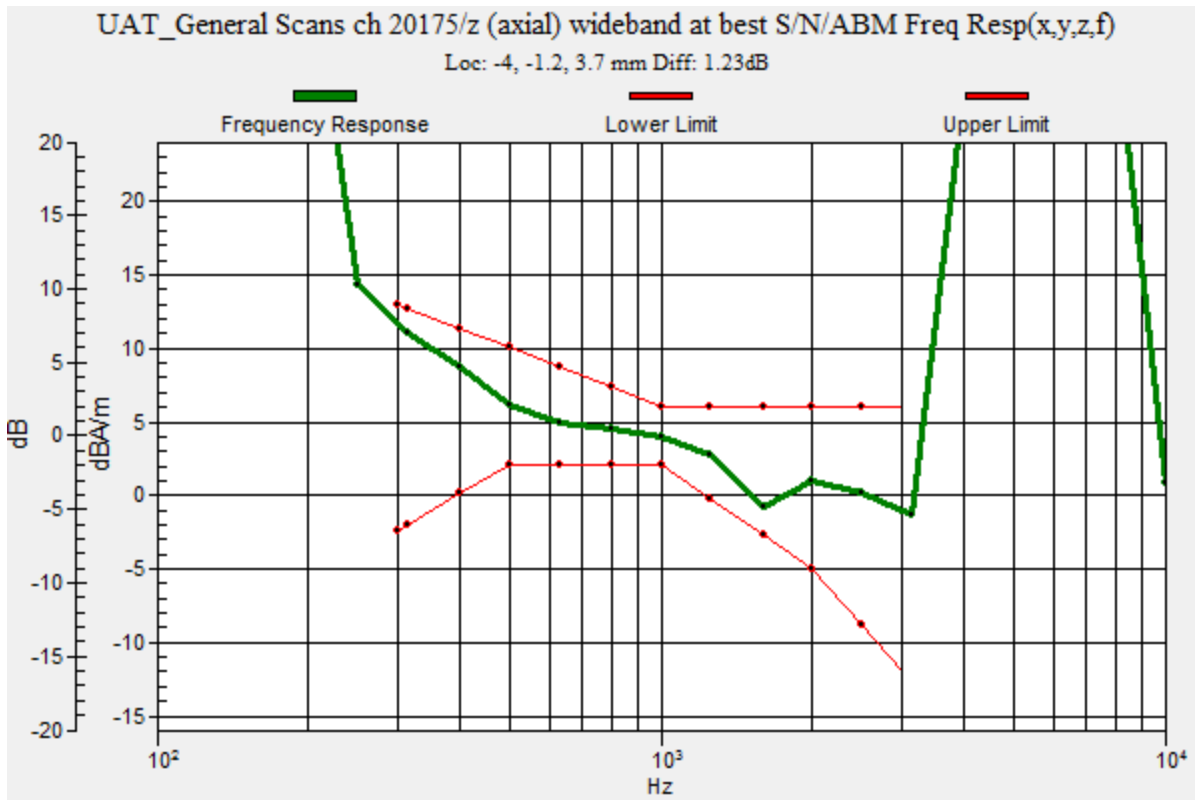
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.23 dB

BWC Factor = 10.80 dB

Location: -4, -1.2, 3.7 mm



### LTE Band 4\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

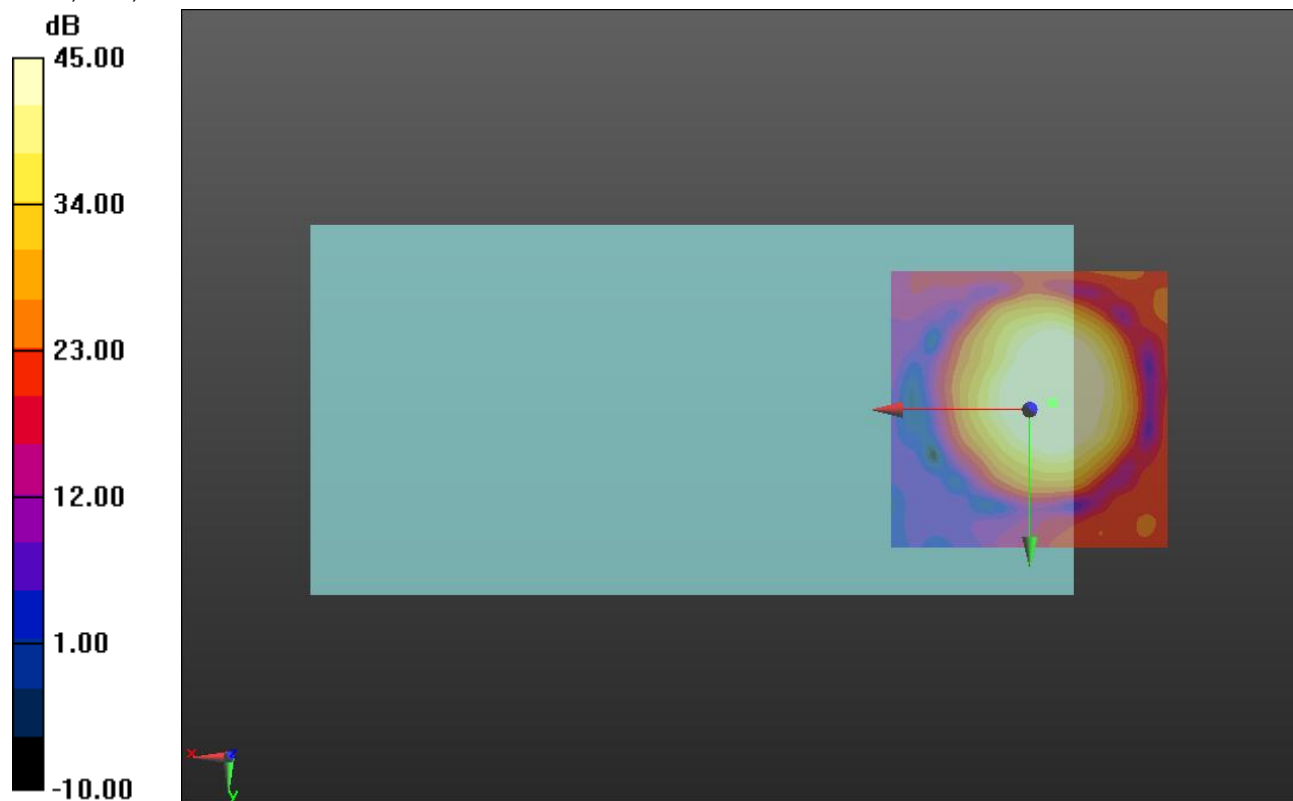
**Cursor:**

ABM1/ABM2 = 52.36 dB

ABM1 comp = 4.90 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -1.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

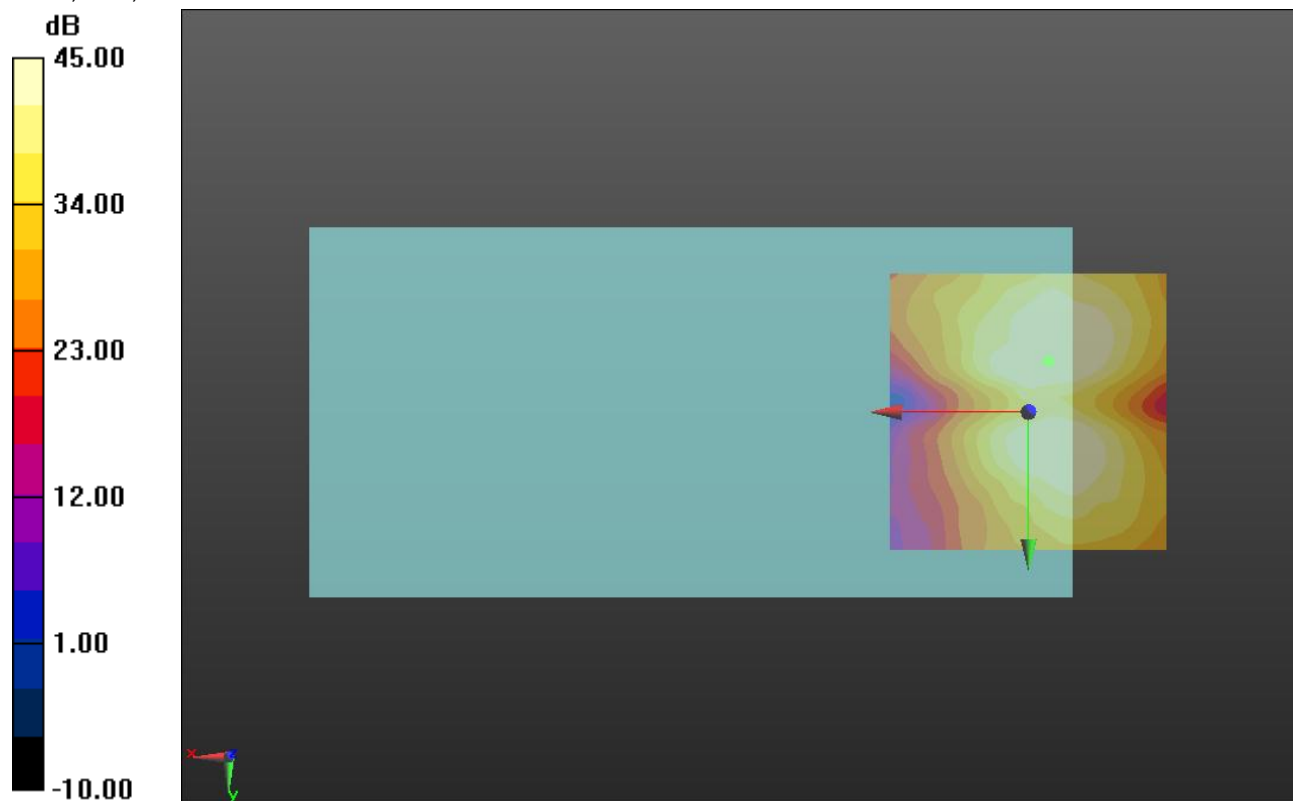
#### Cursor:

ABM1/ABM2 = 48.51 dB

ABM1 comp = -2.90 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

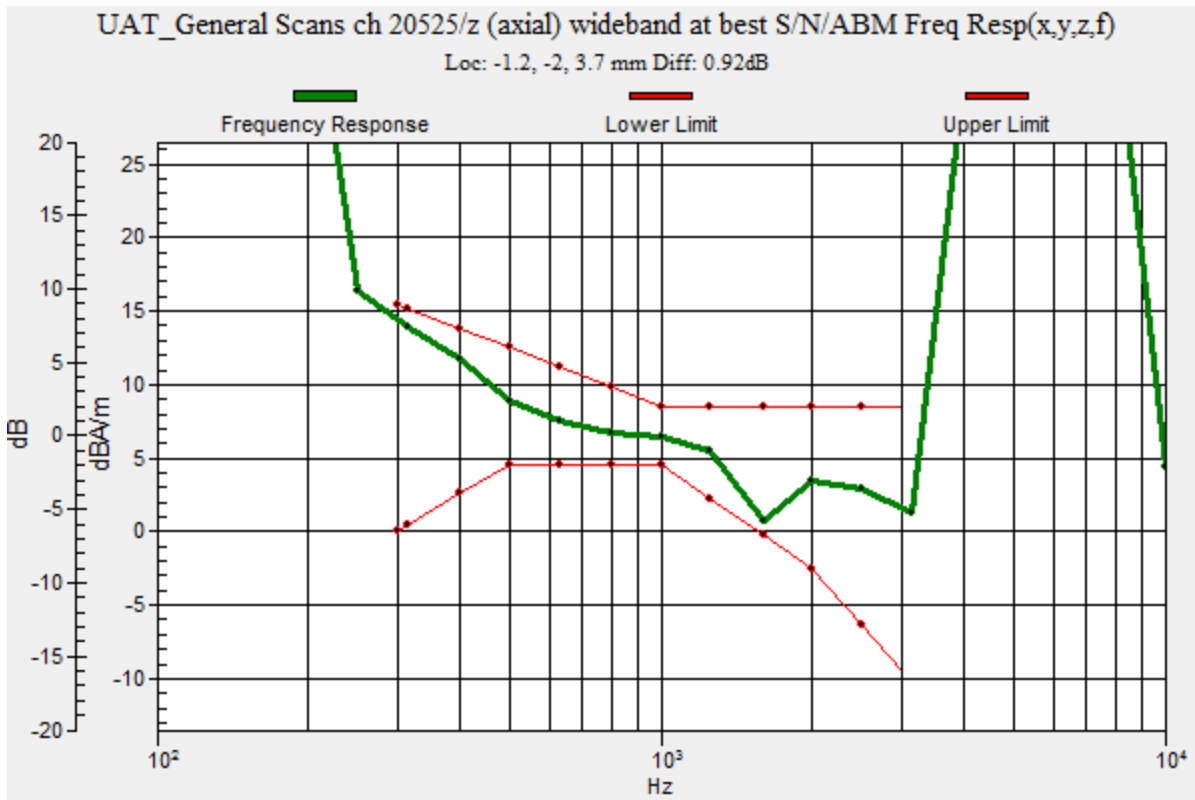
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.92 dB

BWC Factor = 10.79 dB

Location: -1.2, -2, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

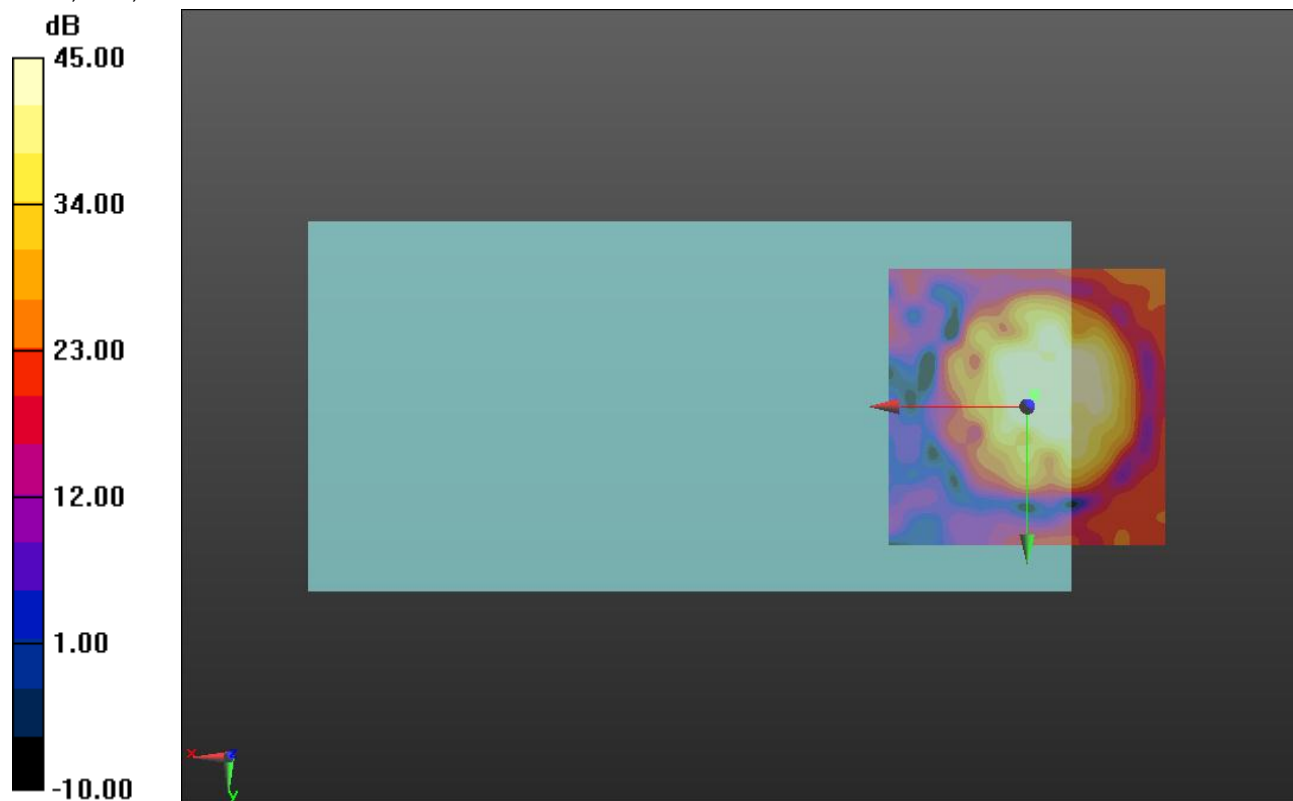
**Cursor:**

ABM1/ABM2 = 52.37 dB

ABM1 comp = 6.69 dBA/m

BWC Factor = 0.15 dB

Location: -1.2, -2.1, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

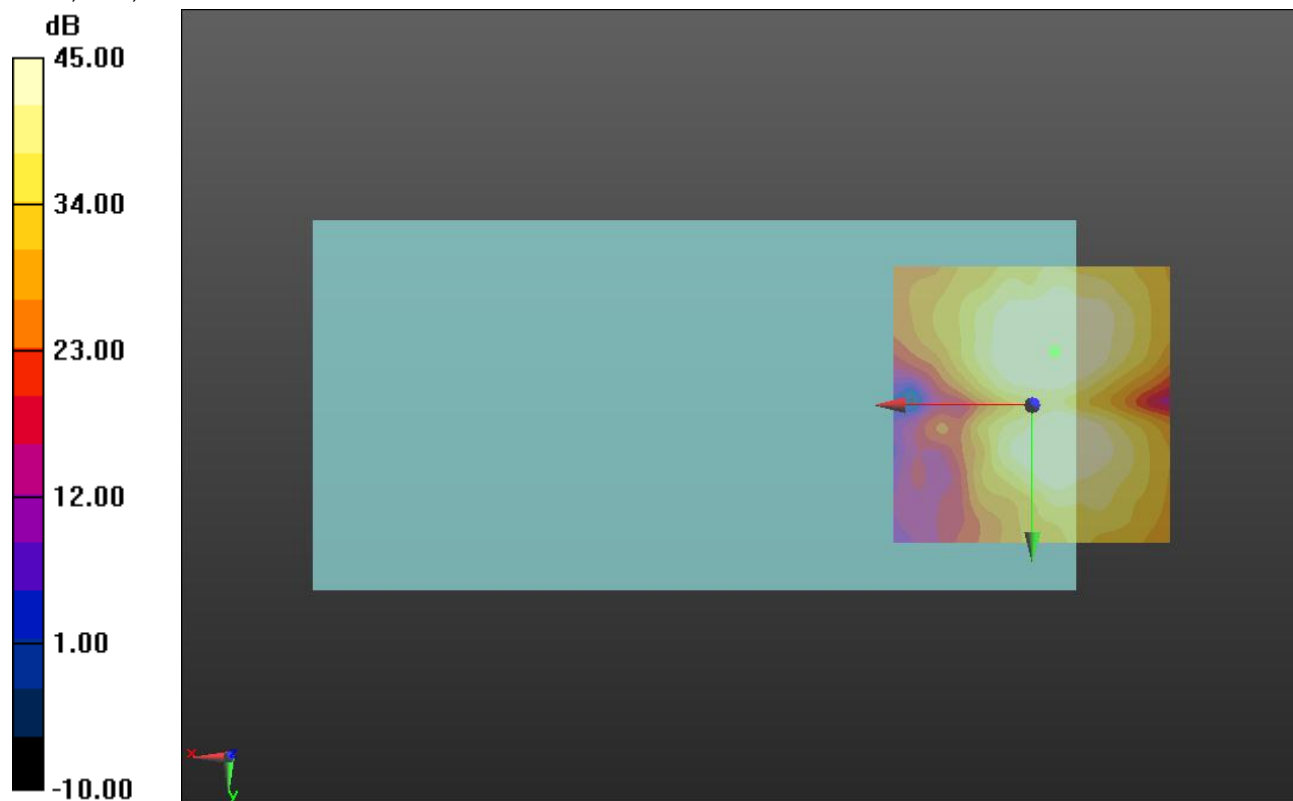
#### Cursor:

ABM1/ABM2 = 48.51 dB

ABM1 comp = -2.60 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -9.6, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

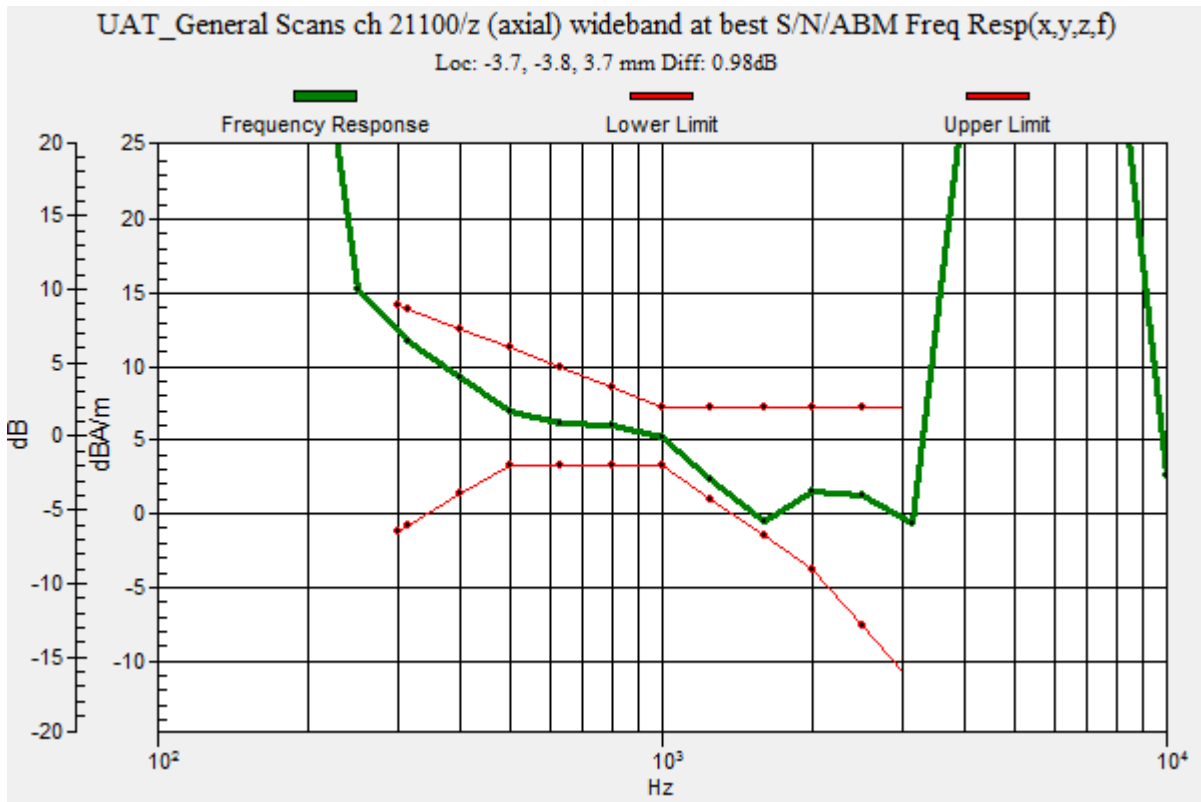
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.98 dB

BWC Factor = 10.80 dB

Location: -3.7, -3.8, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

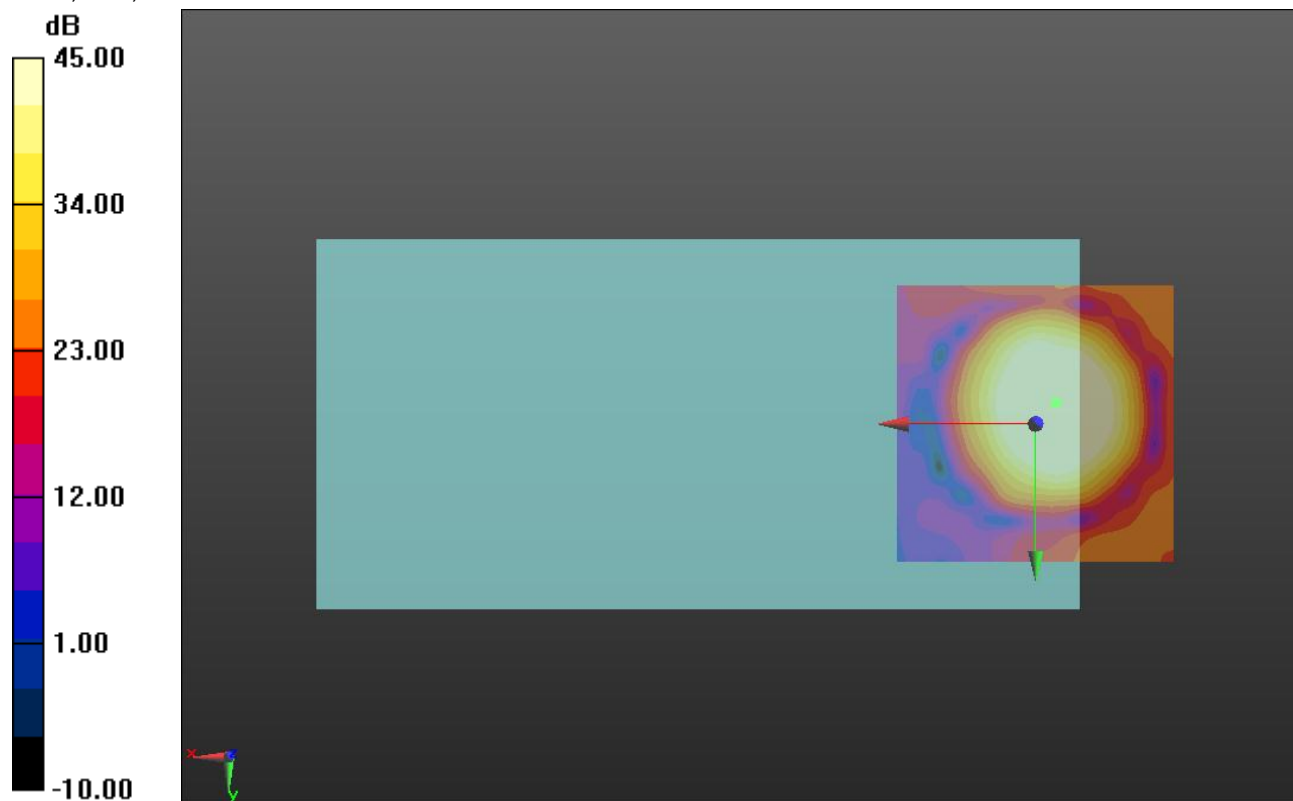
**Cursor:**

ABM1/ABM2 = 53.43 dB

ABM1 comp = 5.55 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -3.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

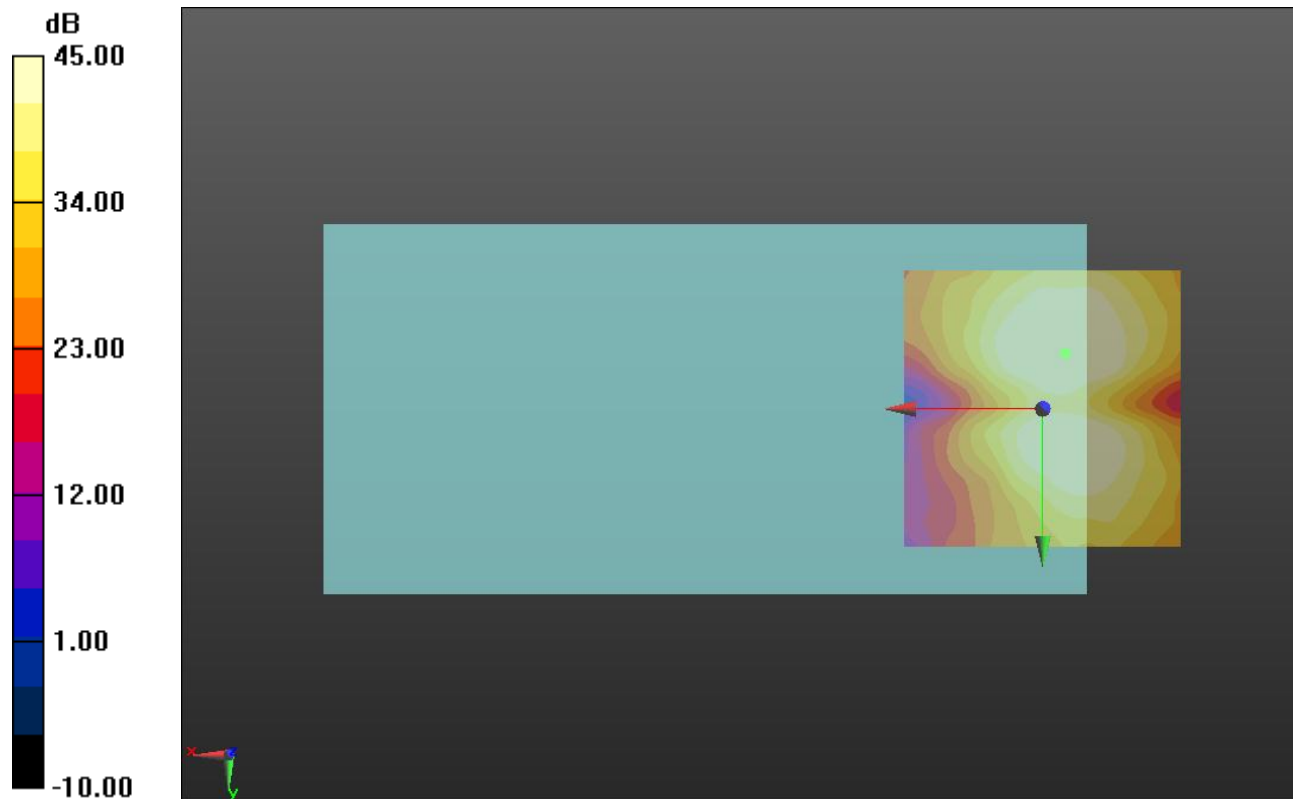
**Cursor:**

ABM1/ABM2 = 49.25 dB

ABM1 comp = -2.75 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -10, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

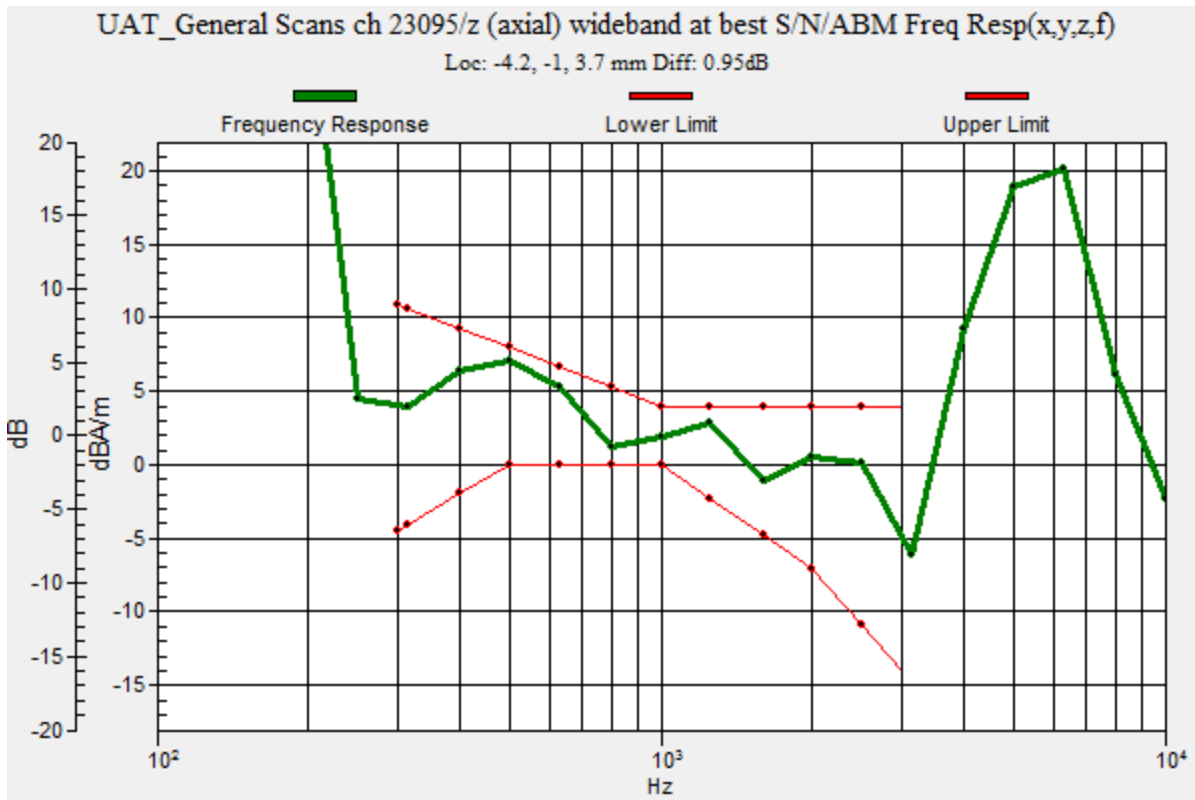
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.95 dB

BWC Factor = 10.80 dB

Location: -4.2, -1, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

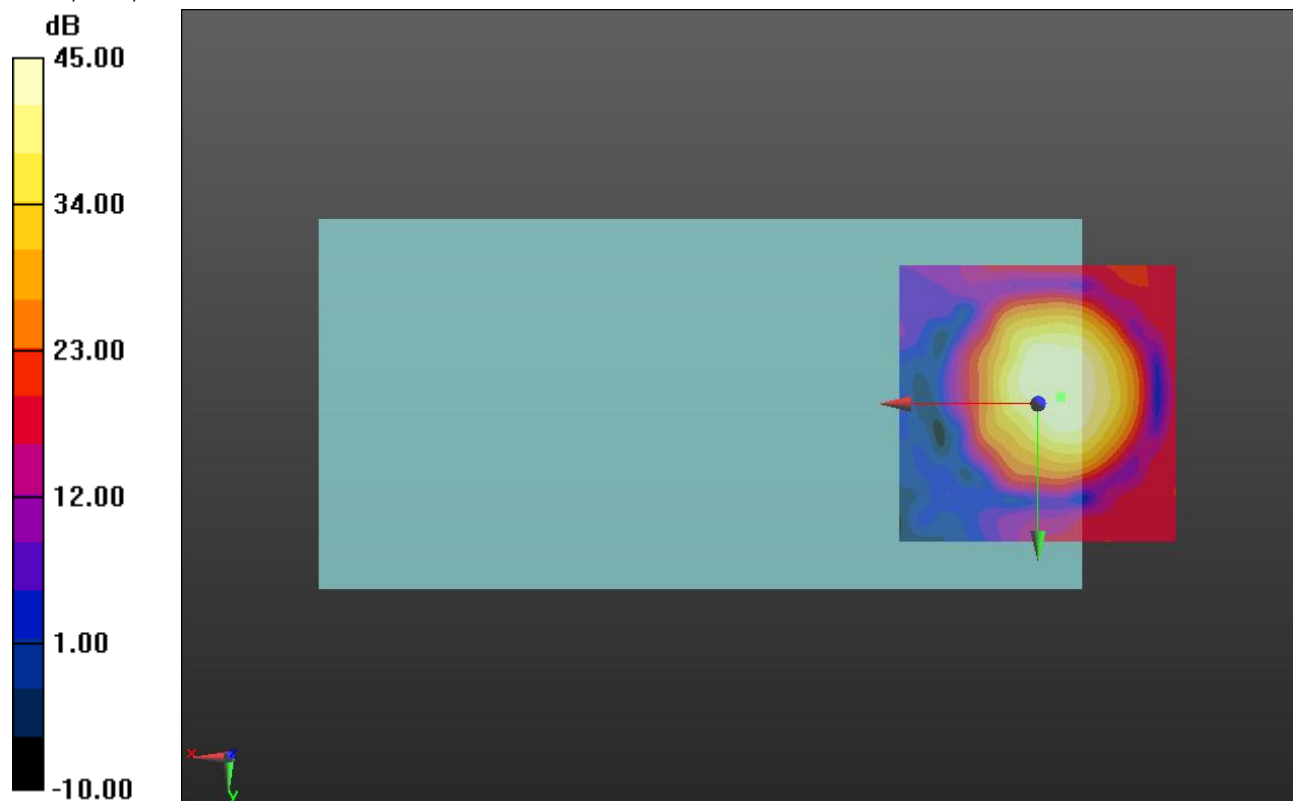
**Cursor:**

ABM1/ABM2 = 48.71 dB

ABM1 comp = 1.13 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -1.3, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

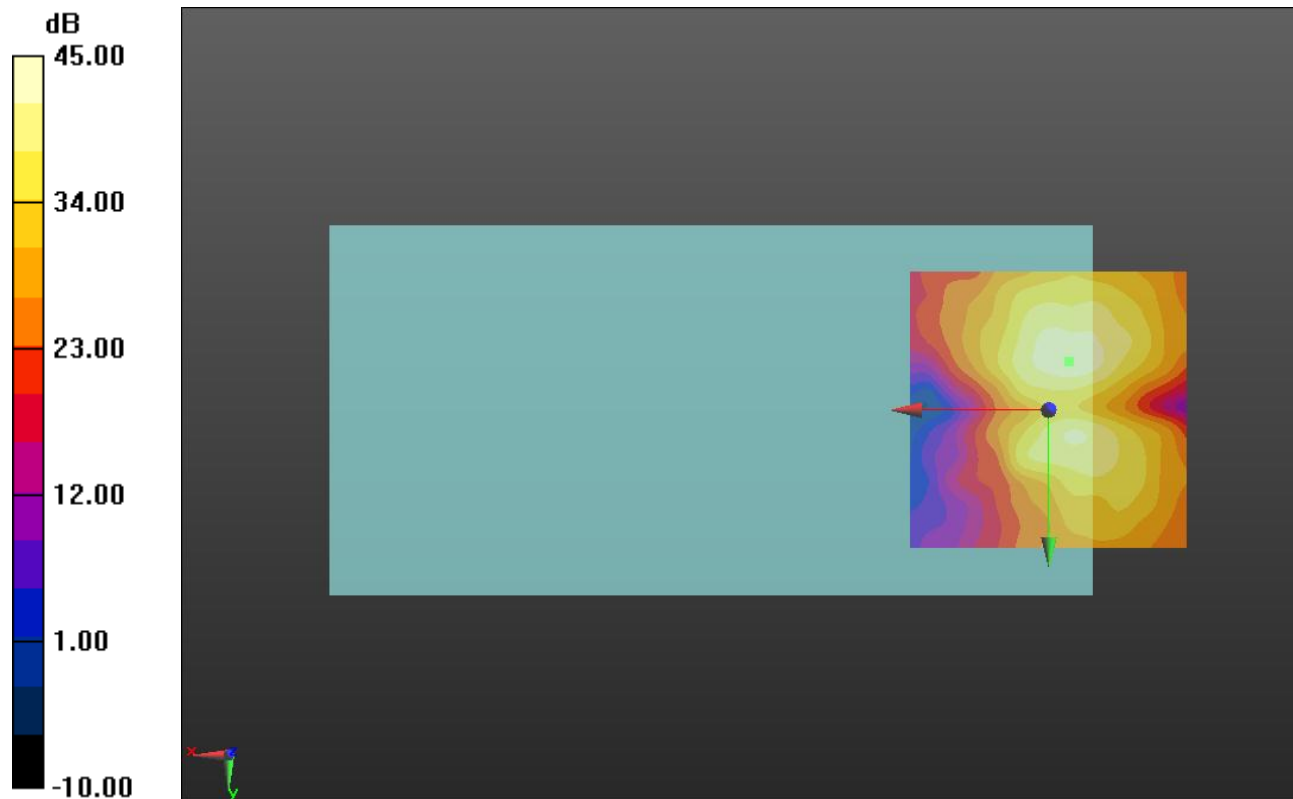
#### Cursor:

ABM1/ABM2 = 44.02 dB

ABM1 comp = -6.76 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -8.8, 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

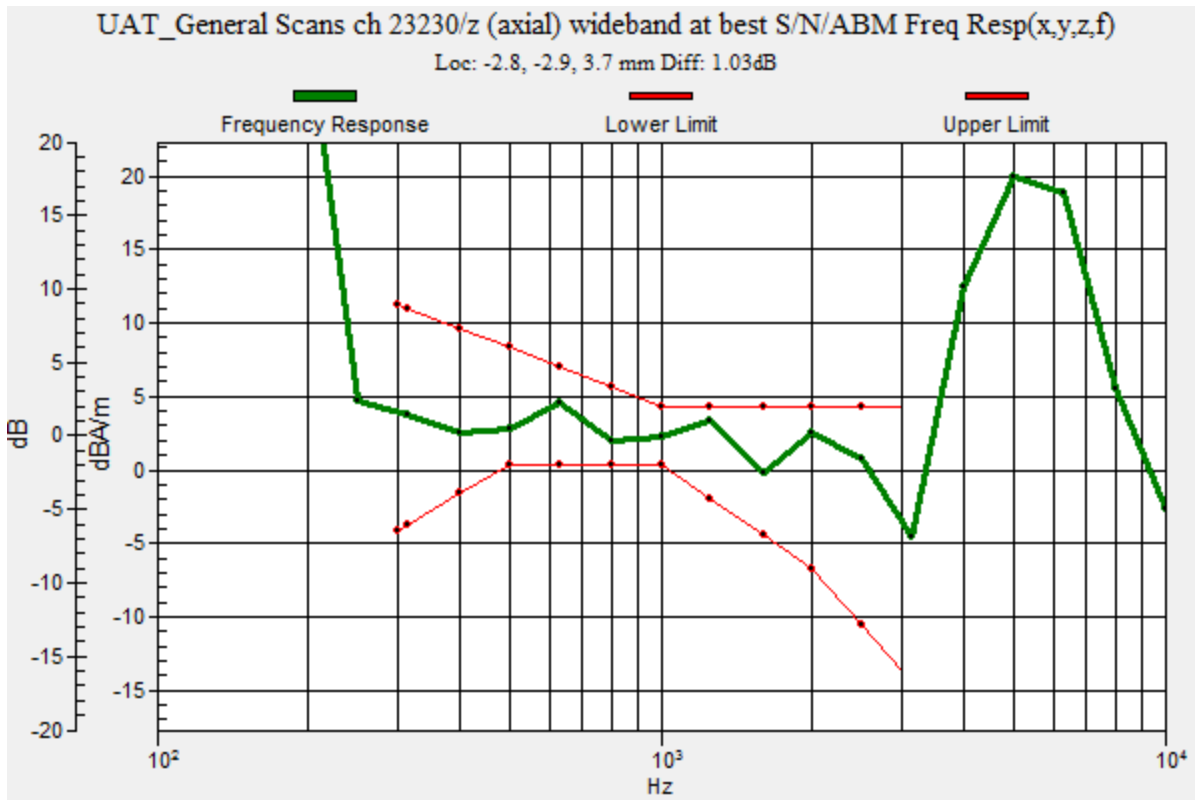
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.03 dB

BWC Factor = 10.80 dB

Location: -2.8, -2.9, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

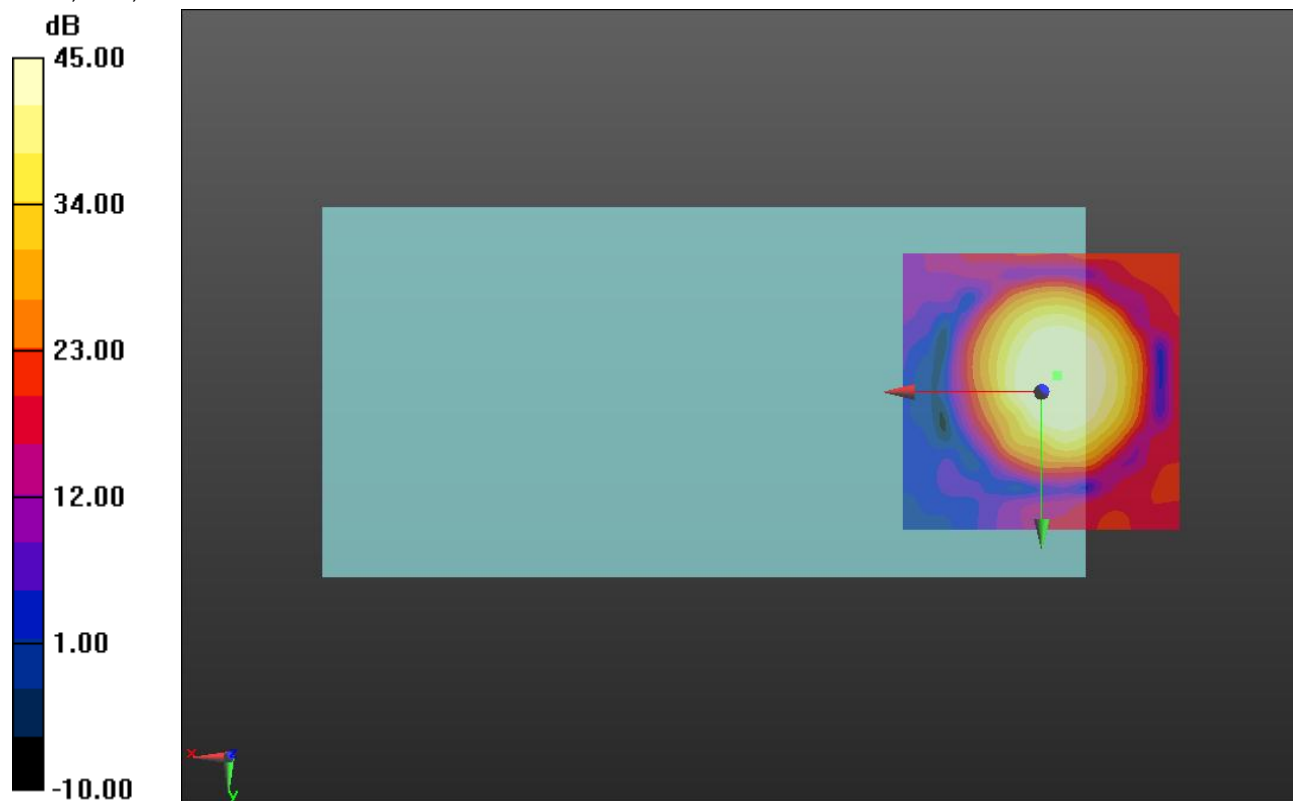
**Cursor:**

ABM1/ABM2 = 48.86 dB

ABM1 comp = 1.83 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -2.9, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

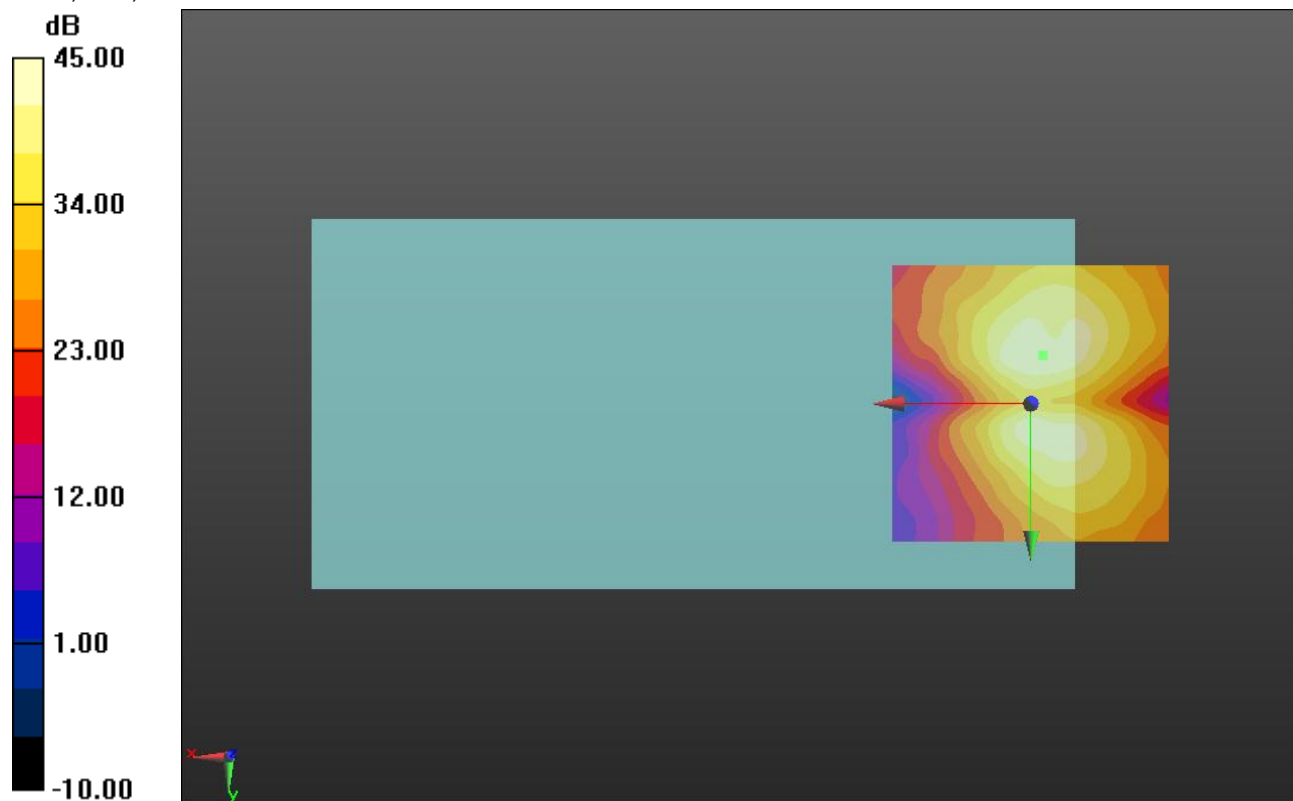
#### Cursor:

ABM1/ABM2 = 44.81 dB

ABM1 comp = -6.95 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -8.8, 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

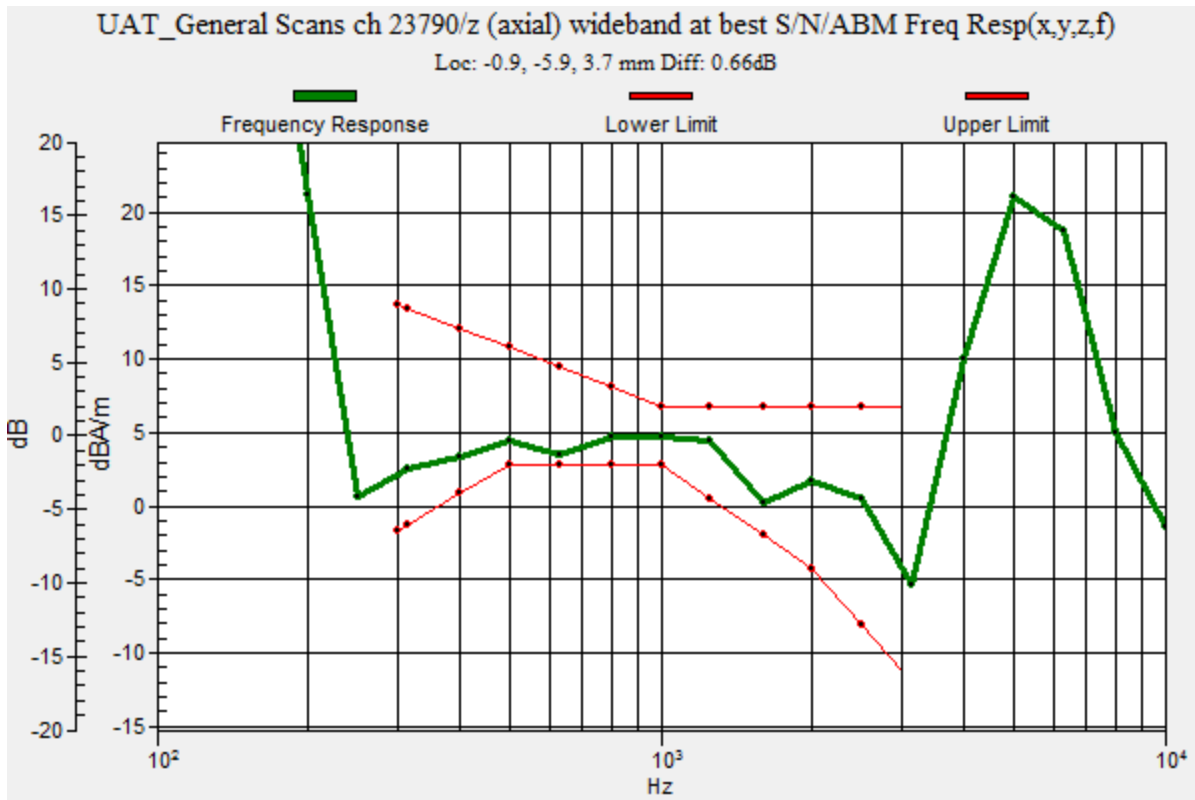
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.66 dB

BWC Factor = 10.80 dB

Location: -0.9, -5.9, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

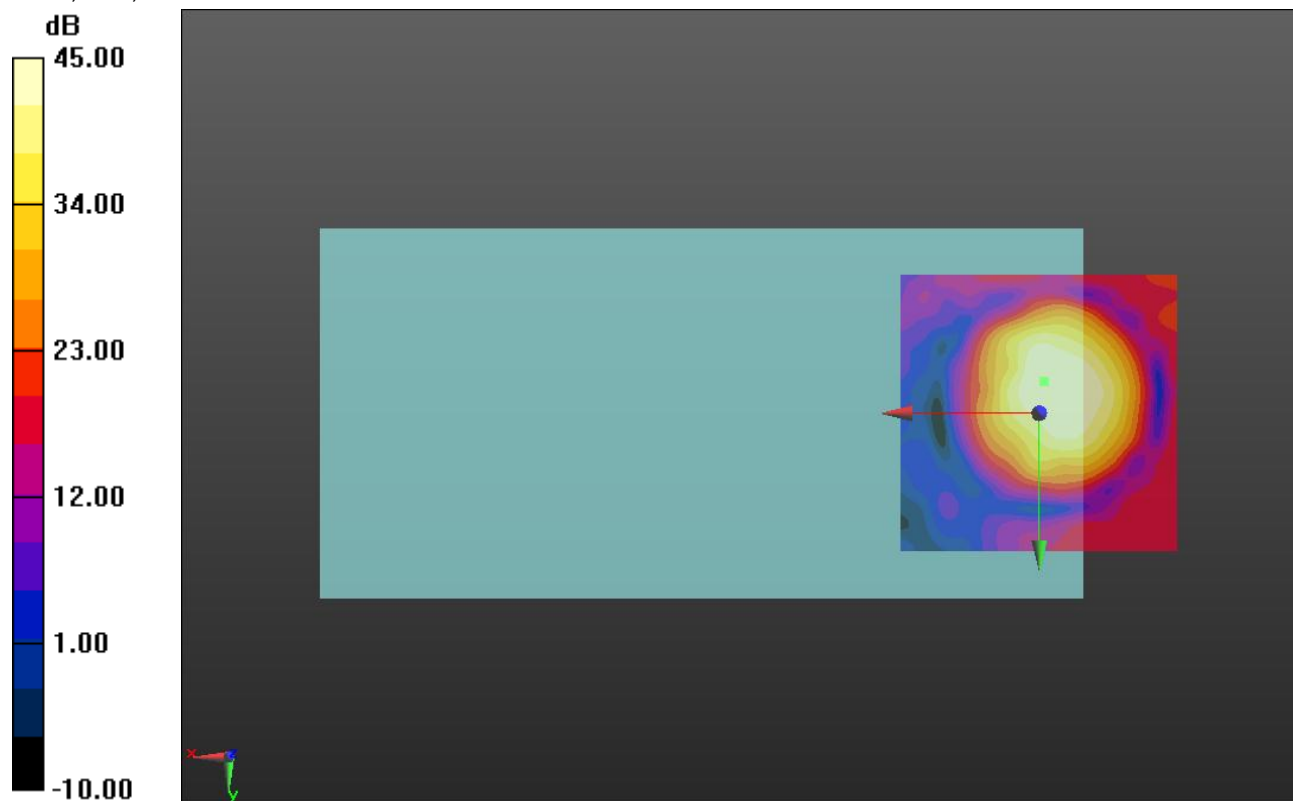
**Cursor:**

ABM1/ABM2 = 46.27 dB

ABM1 comp = 0.71 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -5.8, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

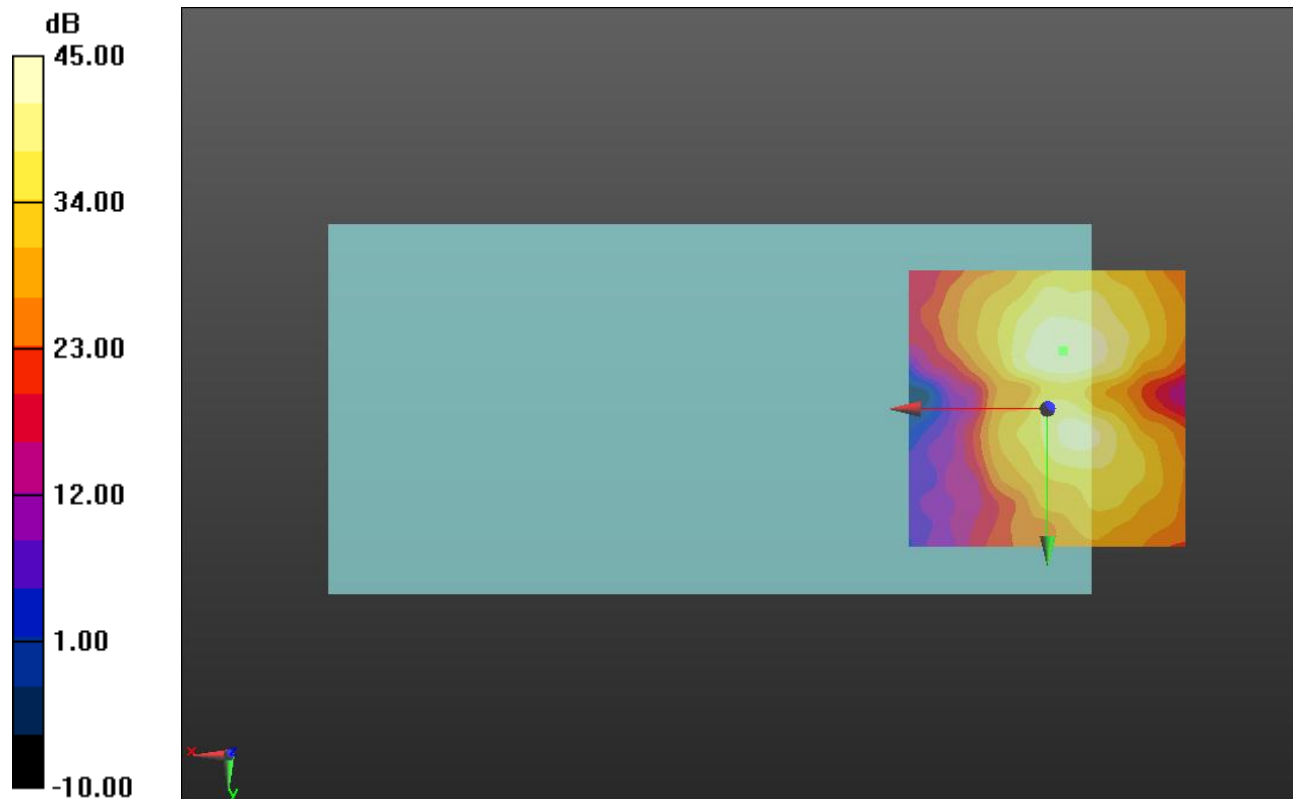
#### Cursor:

ABM1/ABM2 = 44.54 dB

ABM1 comp = -6.49 dBA/m

BWC Factor = 0.16 dB

Location: -2.9, -10.4, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

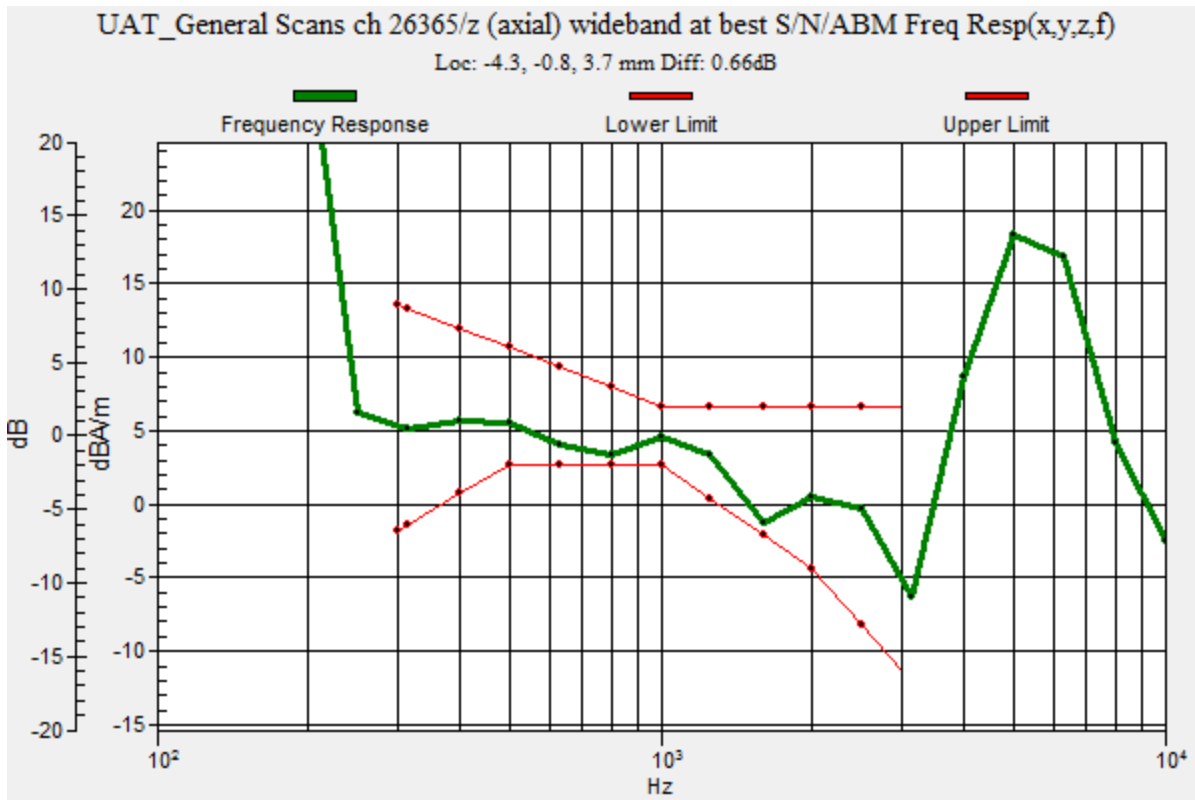
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.66 dB

BWC Factor = 10.80 dB

Location: -4.3, -0.8, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

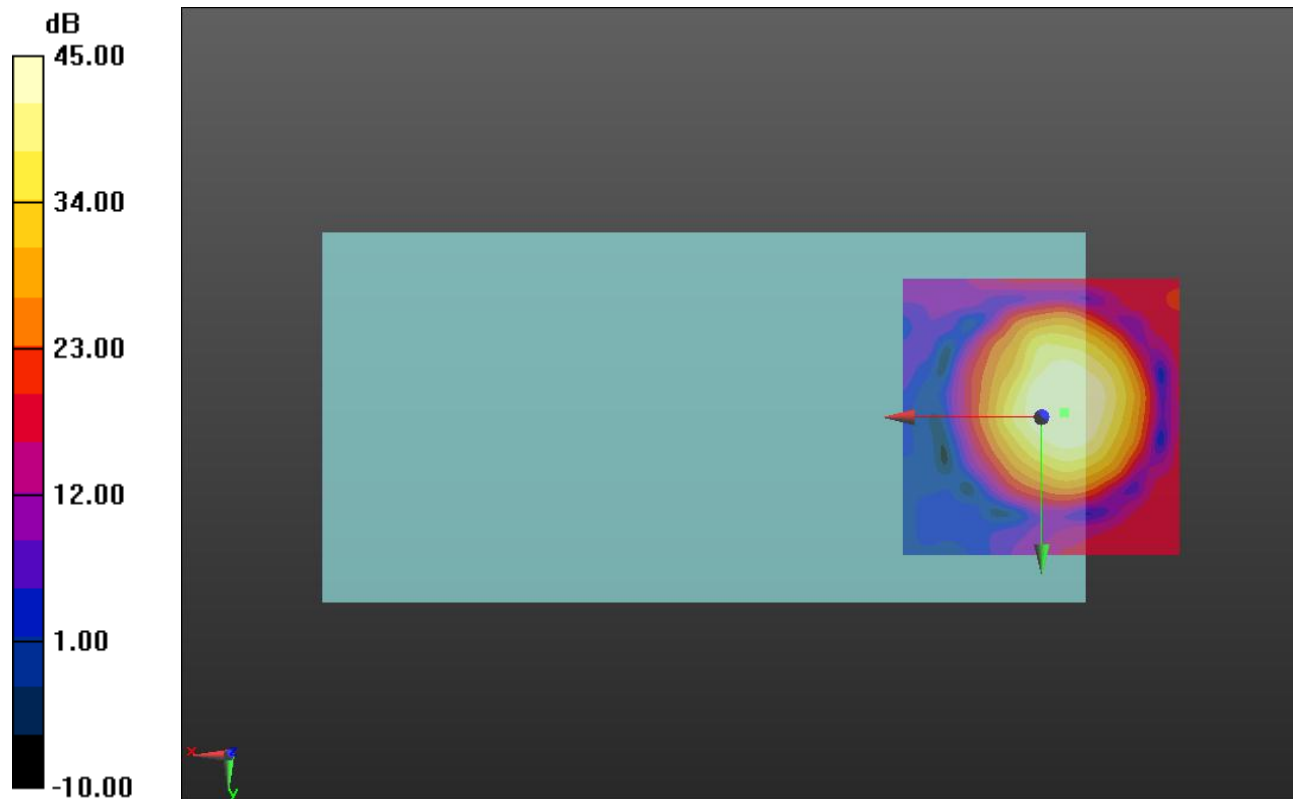
**Cursor:**

ABM1/ABM2 = 47.18 dB

ABM1 comp = 0.63 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.8, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

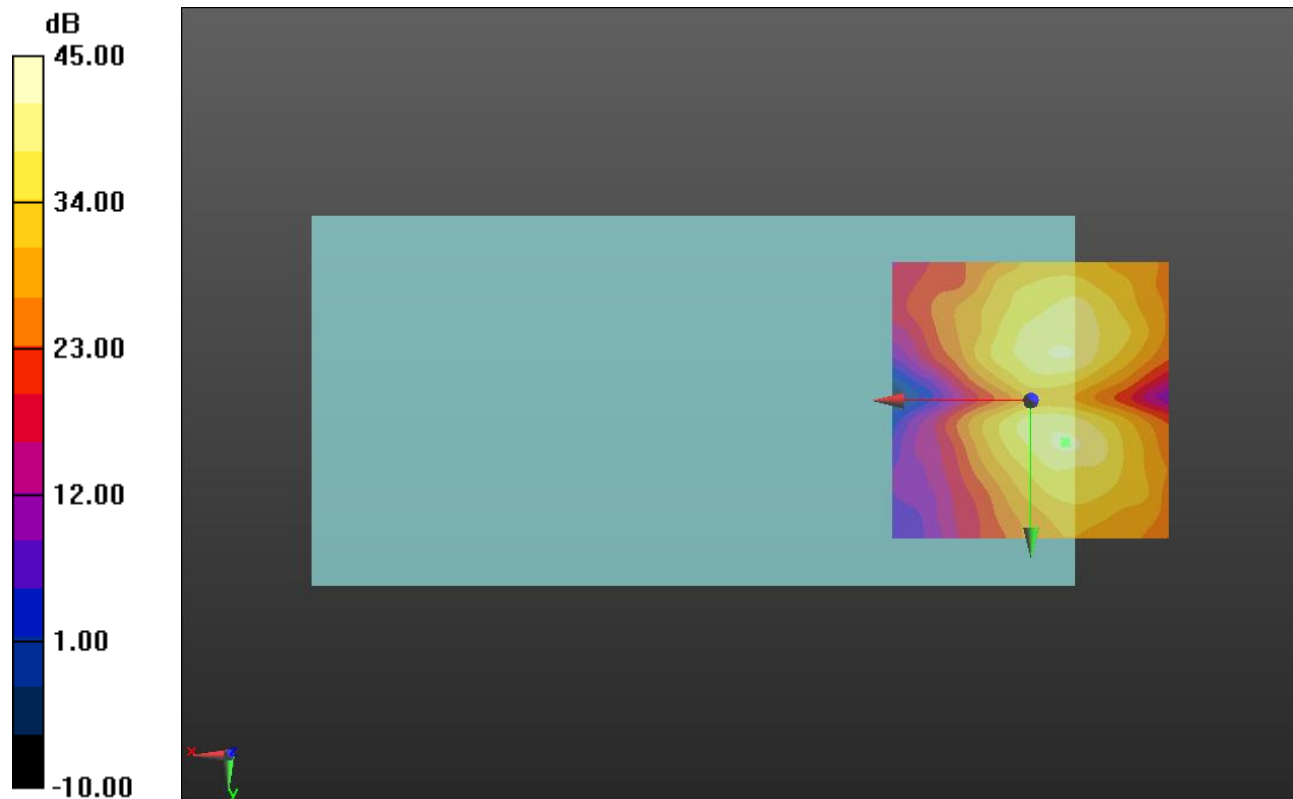
#### Cursor:

ABM1/ABM2 = 41.78 dB

ABM1 comp = -7.83 dBA/m

BWC Factor = 0.16 dB

Location: -6.2, 7.5, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

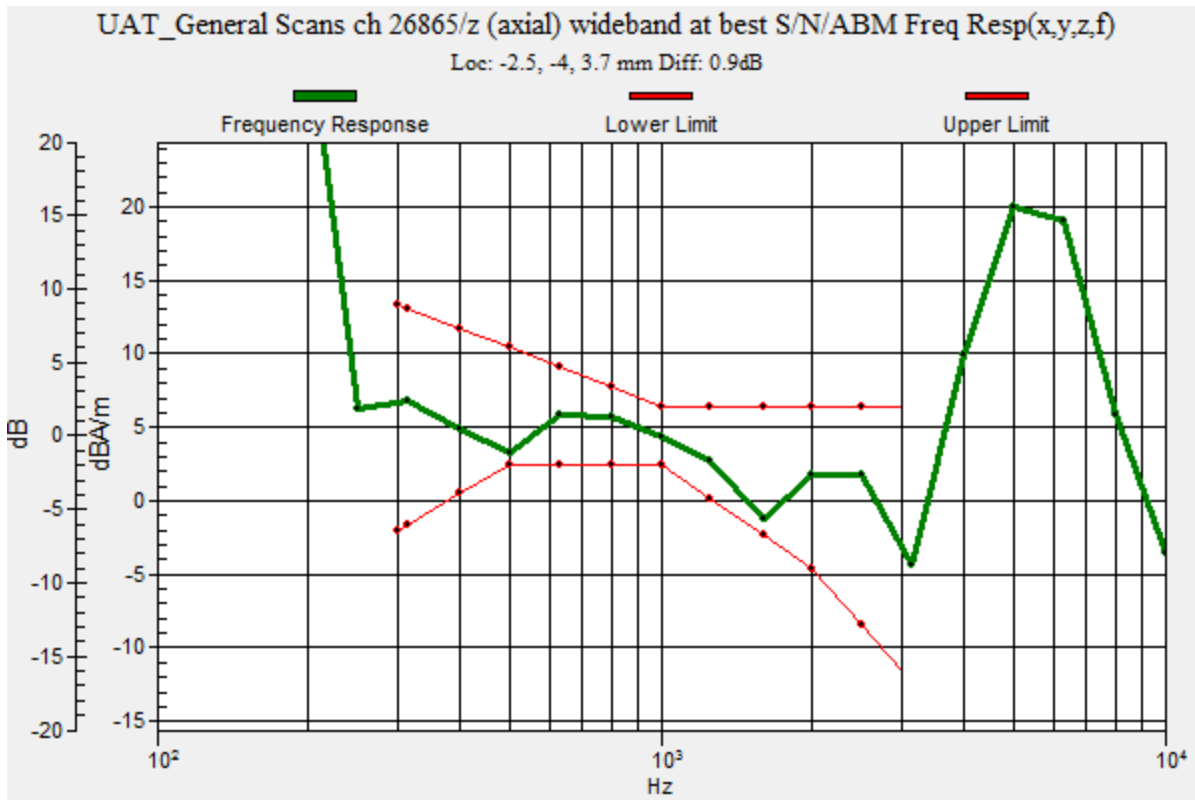
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.90 dB

BWC Factor = 10.80 dB

Location: -2.5, -4, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

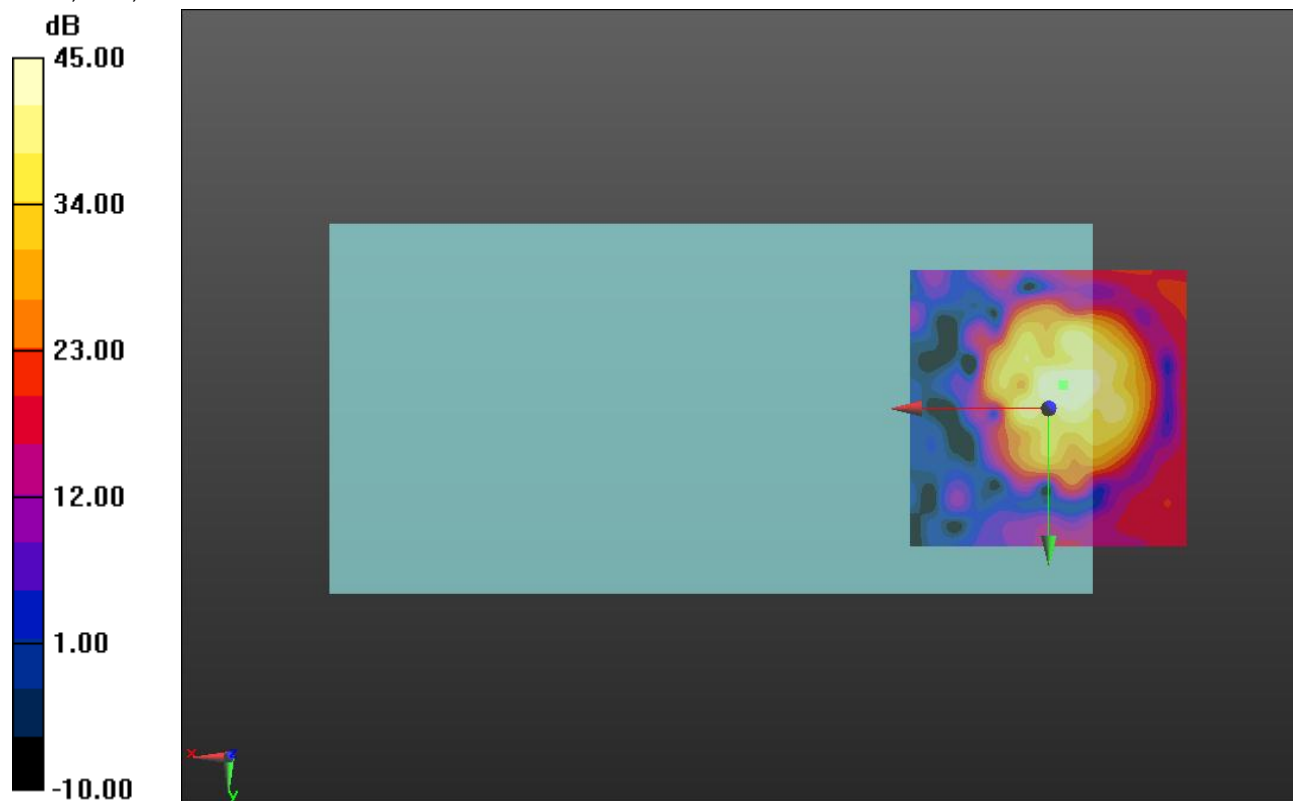
**Cursor:**

ABM1/ABM2 = 46.76 dB

ABM1 comp = 0.98 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -4.2, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

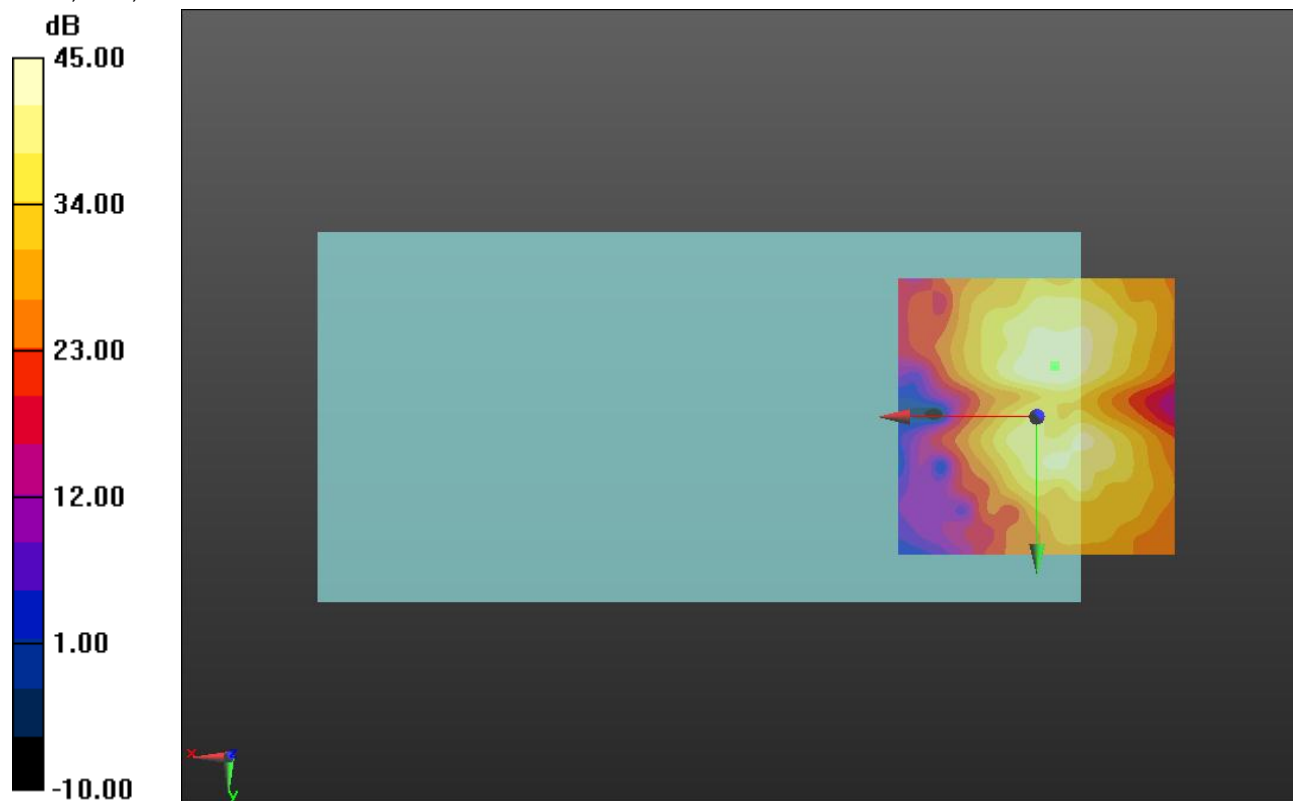
#### Cursor:

ABM1/ABM2 = 45.27 dB

ABM1 comp = -6.27 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -9.2, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

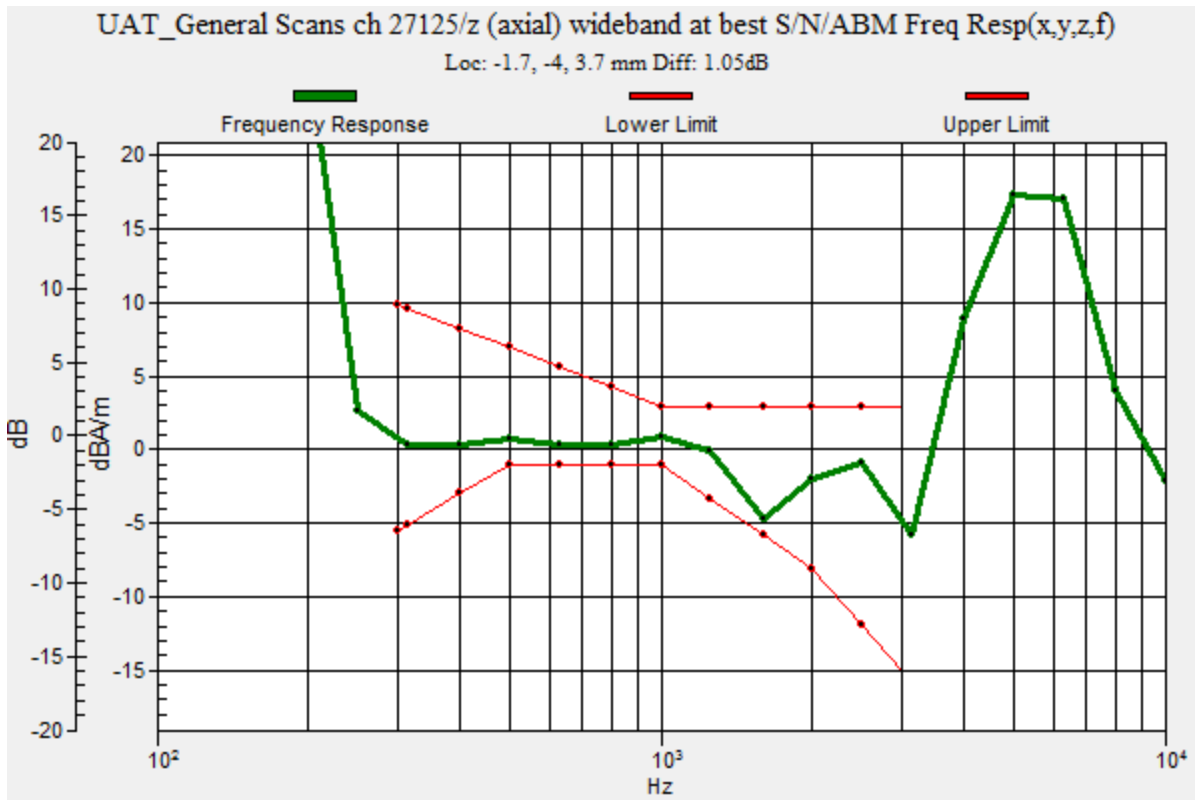
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.05 dB

BWC Factor = 10.80 dB

Location: -1.7, -4, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

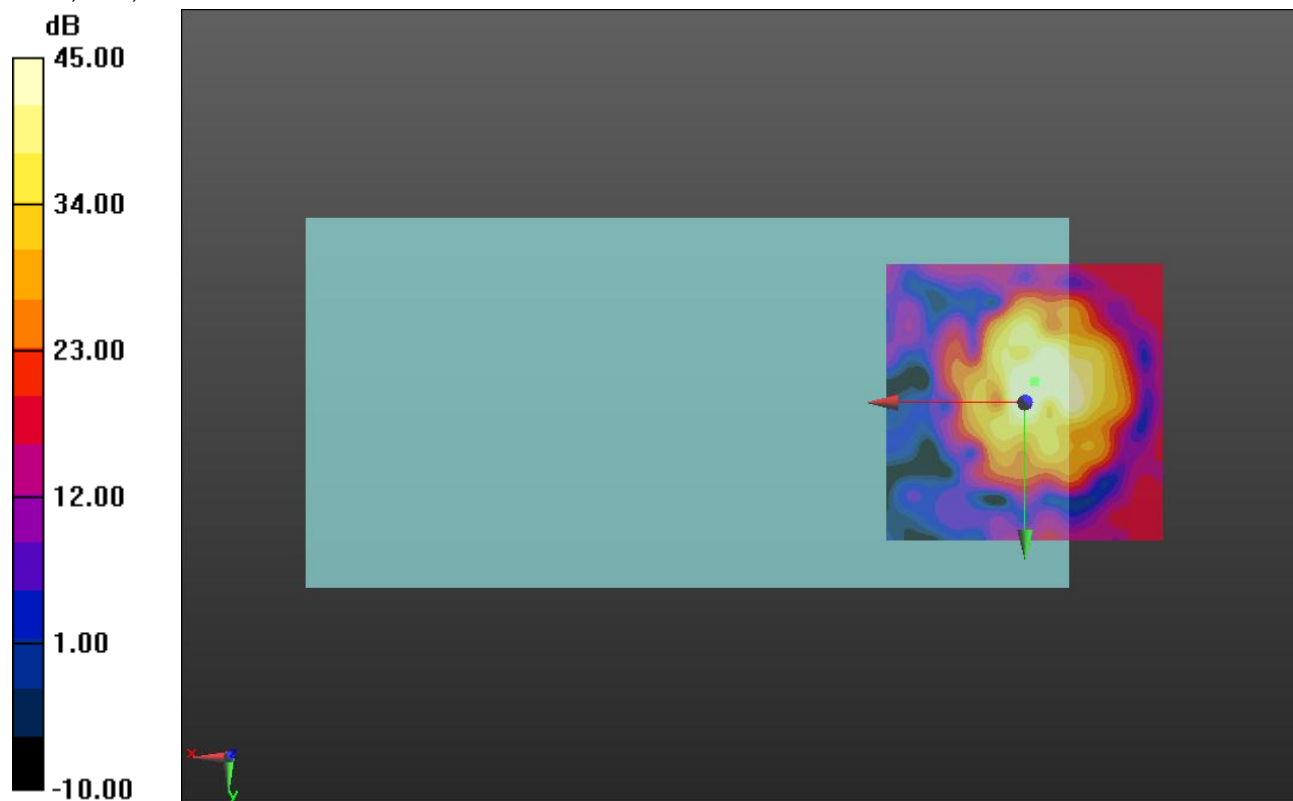
**Cursor:**

ABM1/ABM2 = 48.70 dB

ABM1 comp = 1.80 dBA/m

BWC Factor = 0.16 dB

Location: -1.7, -3.8, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

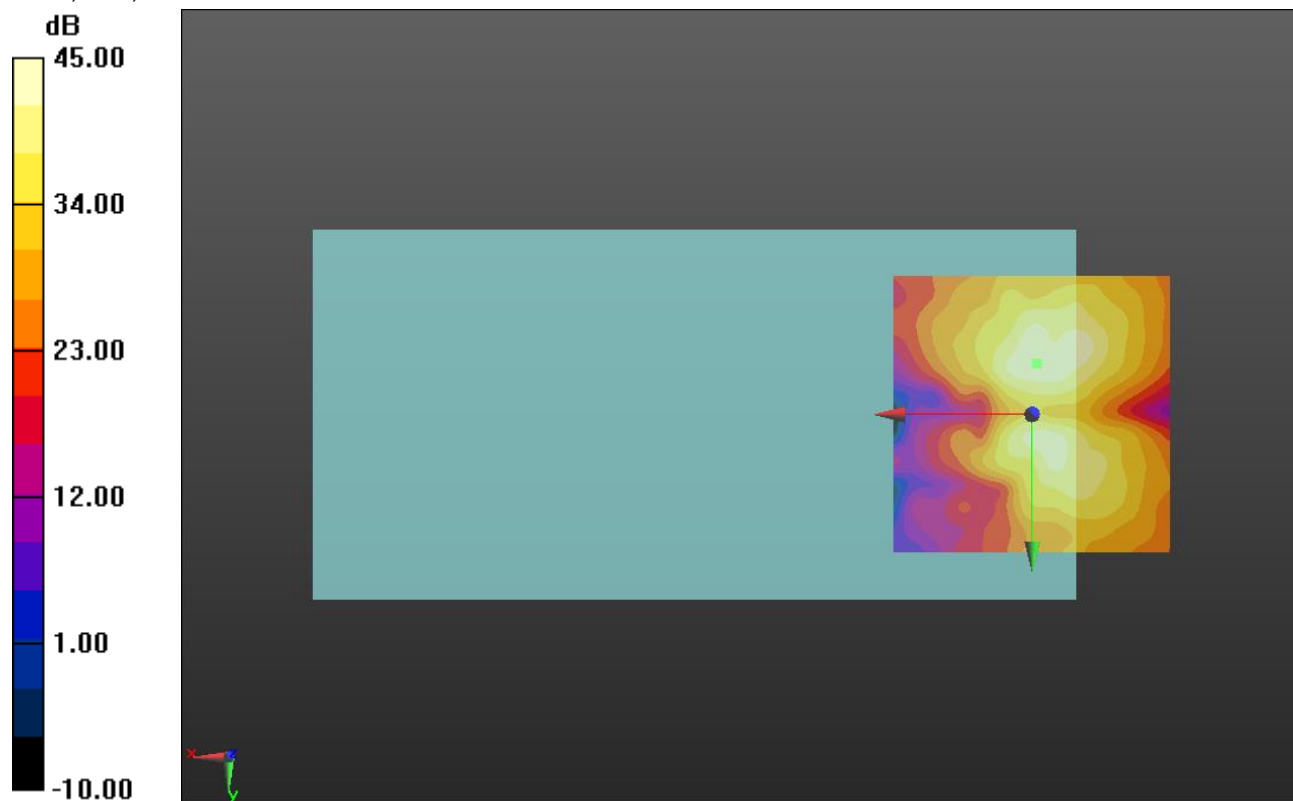
#### Cursor:

ABM1/ABM2 = 44.42 dB

ABM1 comp = -7.27 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -9.2, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

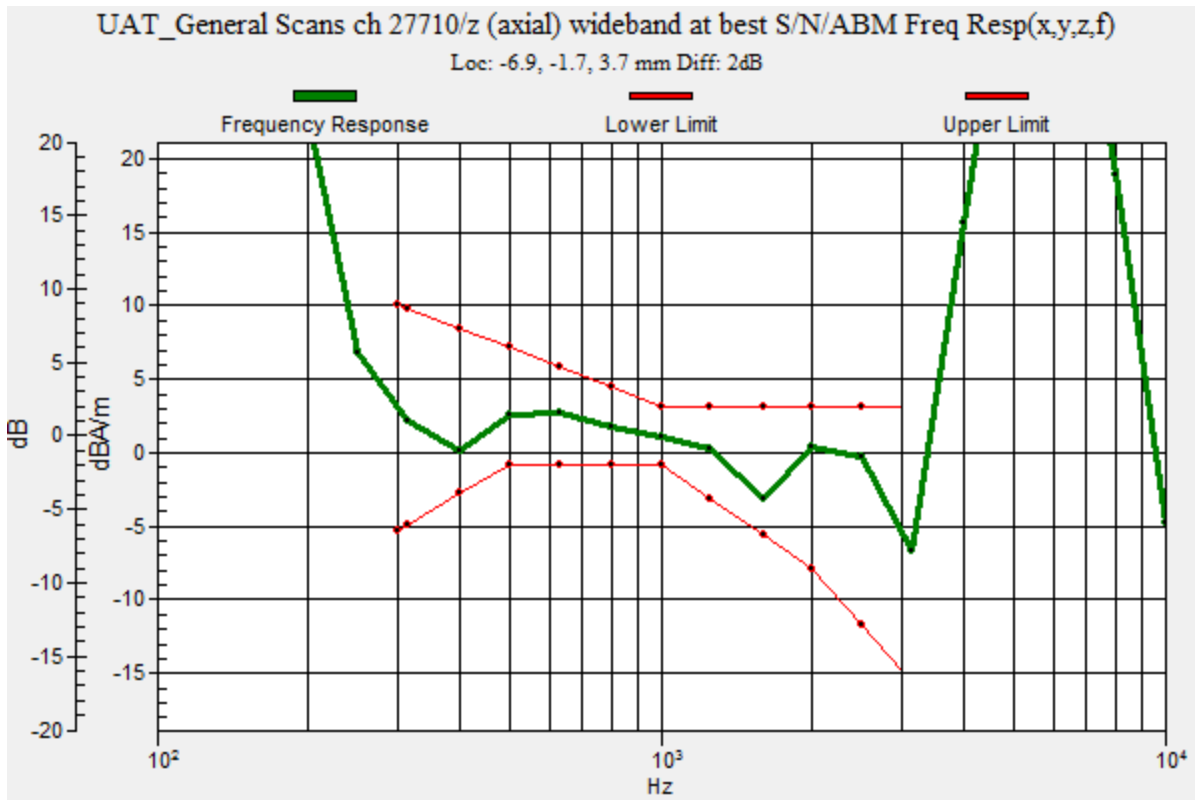
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -6.9, -1.7, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

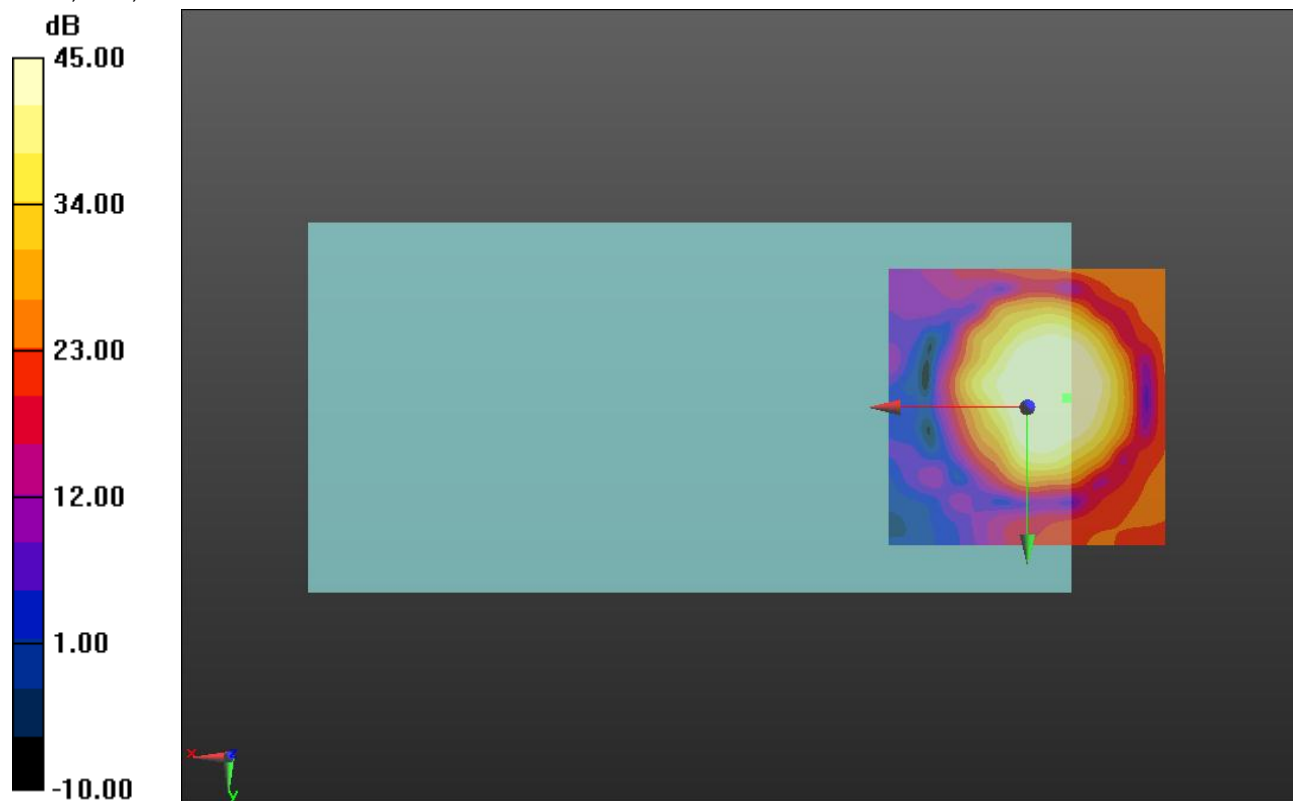
**Cursor:**

ABM1/ABM2 = 50.22 dB

ABM1 comp = 1.62 dBA/m

BWC Factor = 0.16 dB

Location: -7.1, -1.7, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

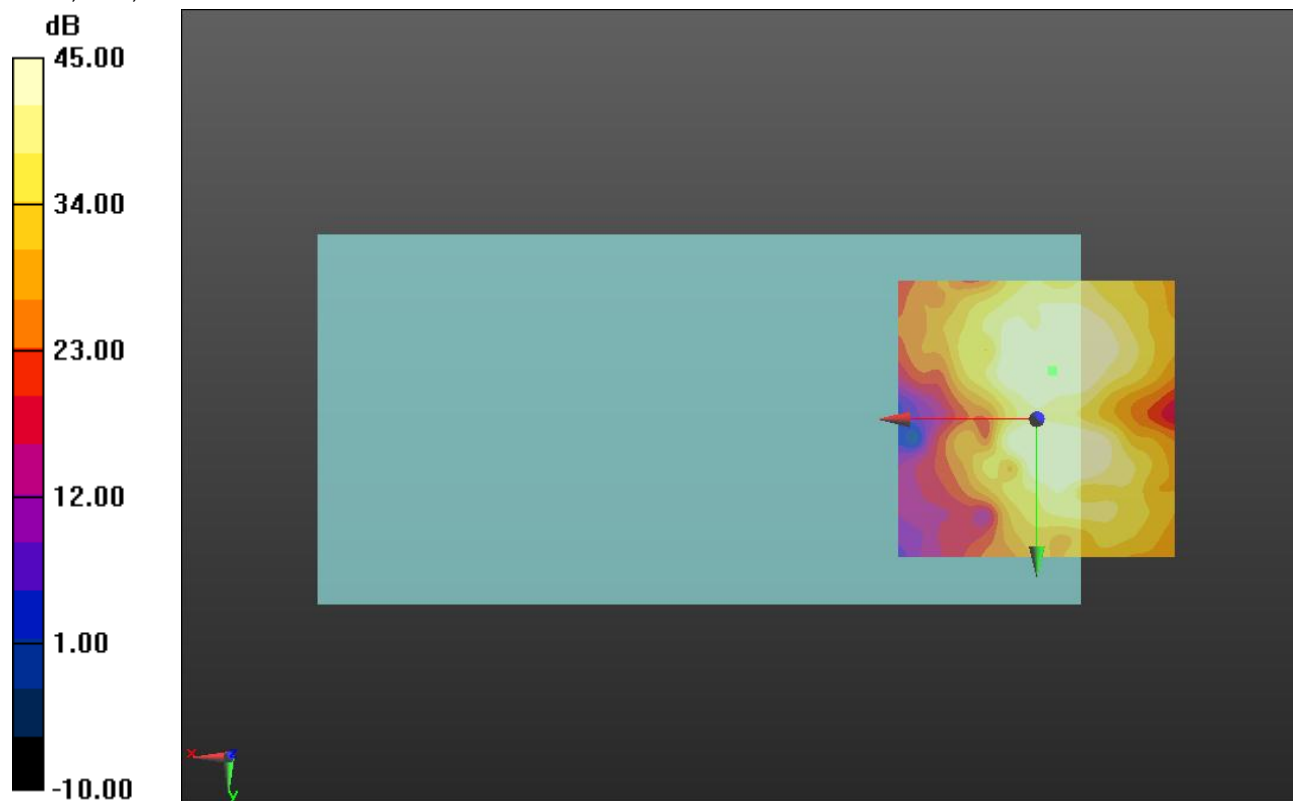
#### Cursor:

ABM1/ABM2 = 49.29 dB

ABM1 comp = -2.39 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

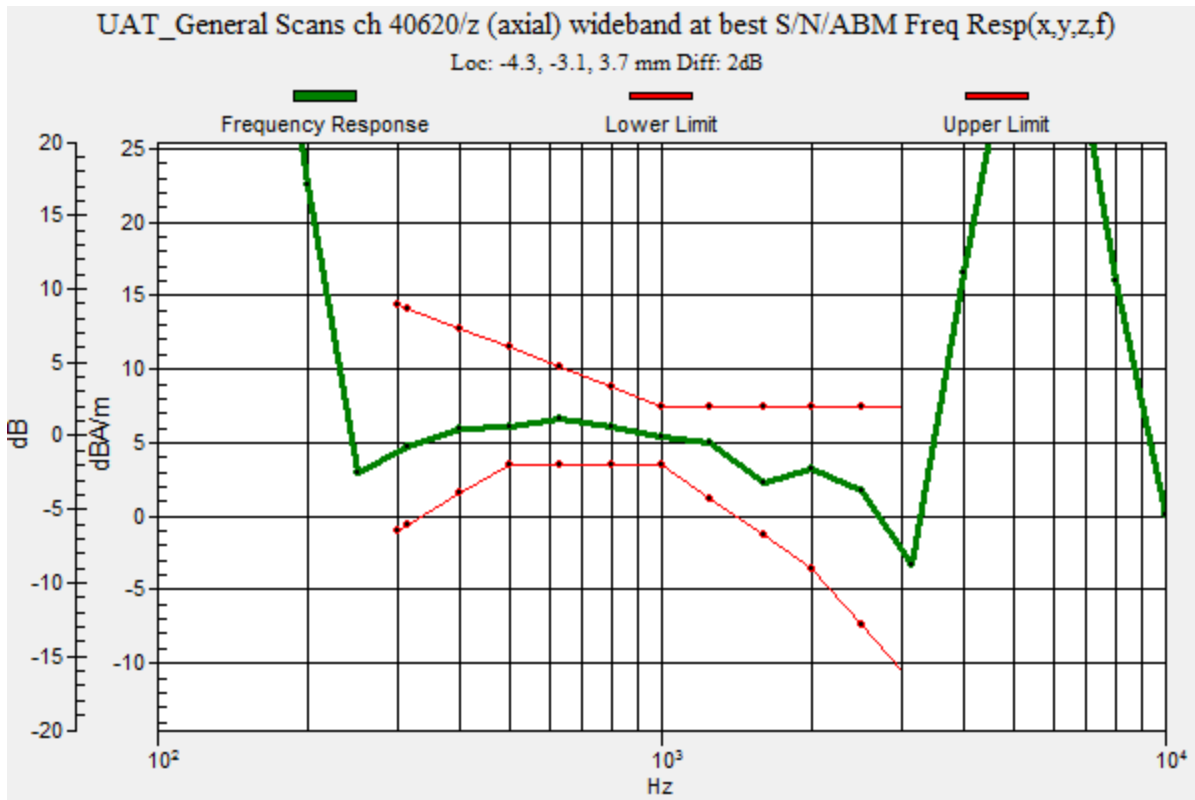
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.3, -3.1, 3.7 mm



### LTE Band 41\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

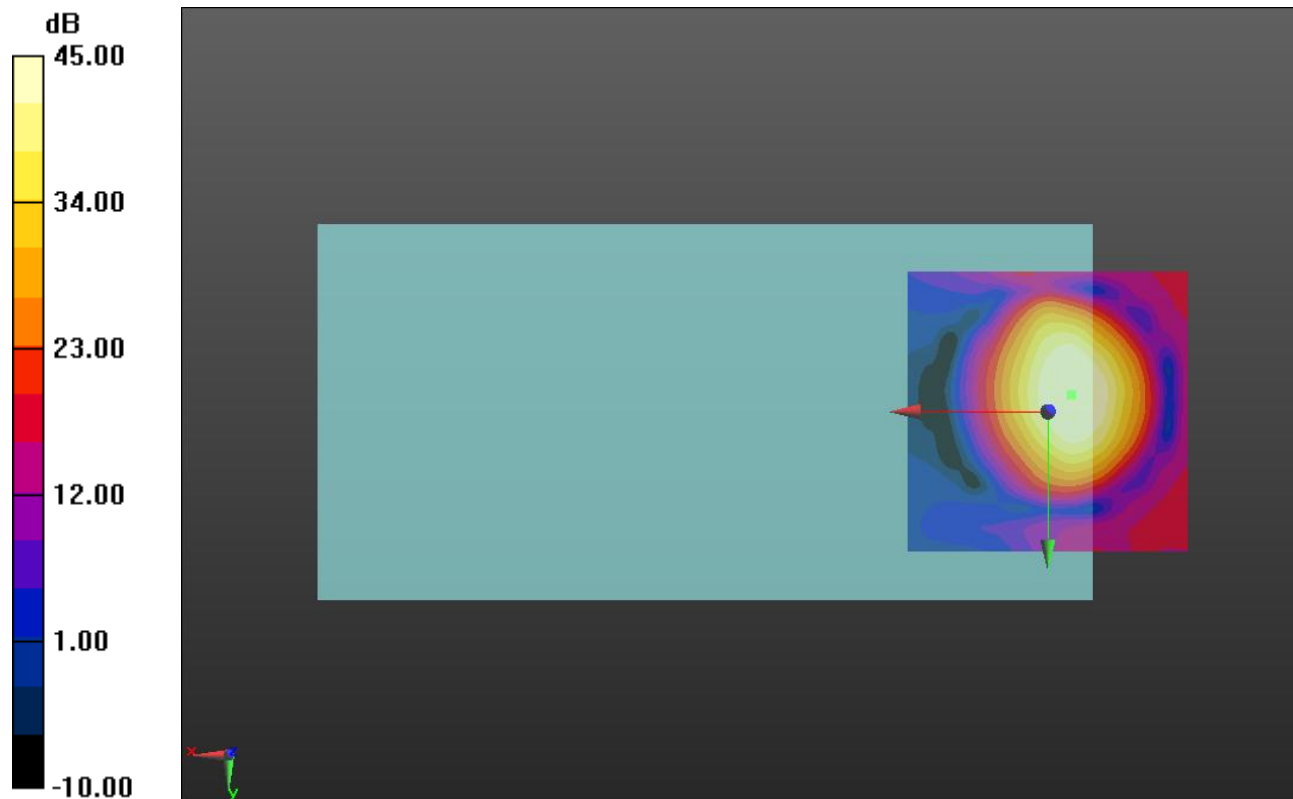
**Cursor:**

ABM1/ABM2 = 47.95 dB

ABM1 comp = 4.32 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -2.9, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/UAT\_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

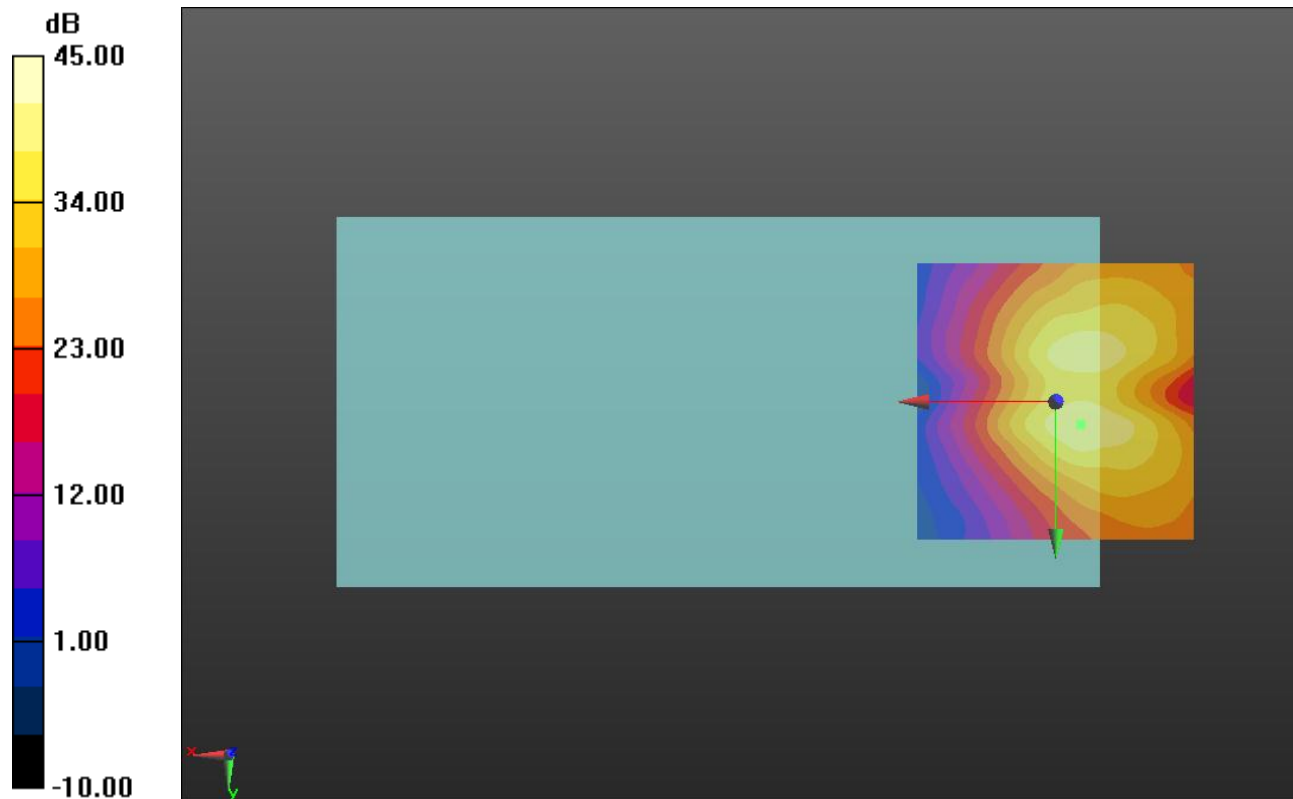
#### Cursor:

ABM1/ABM2 = 41.24 dB

ABM1 comp = -4.43 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, 4.2, 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

### 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(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

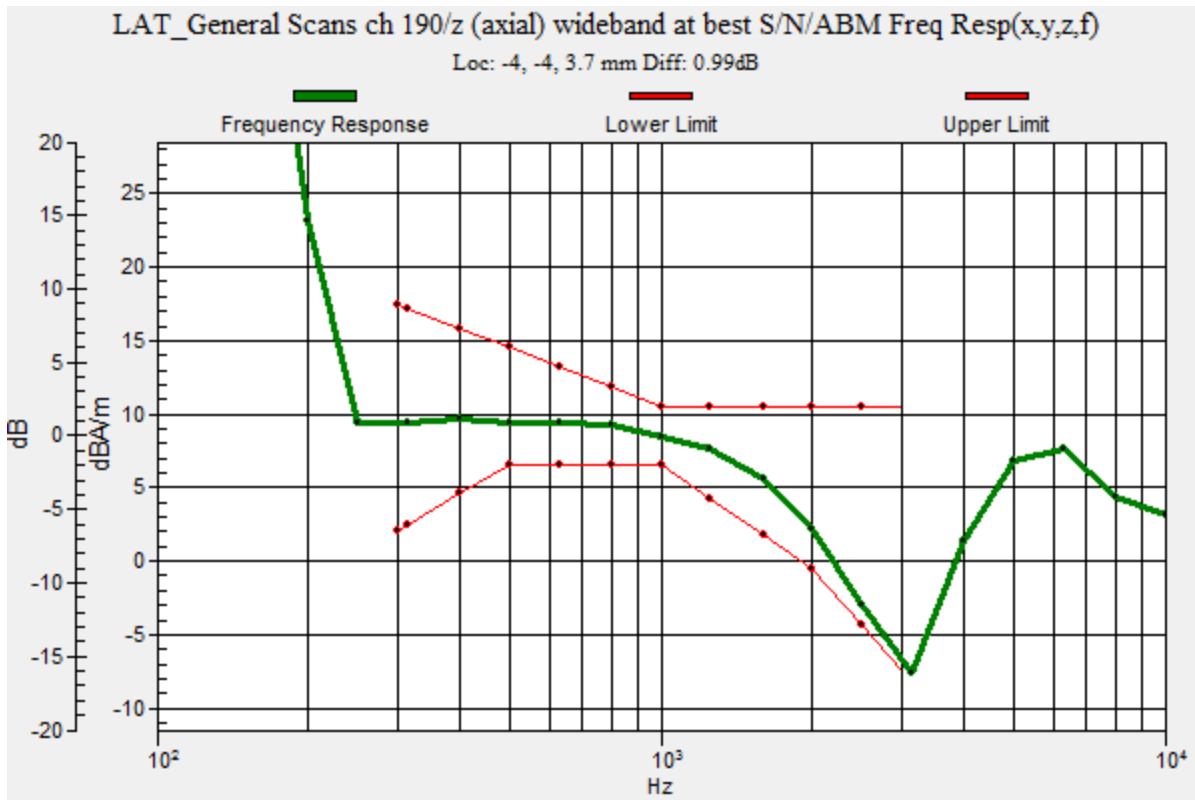
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.99 dB

BWC Factor = 10.80 dB

Location: -4, -4, 3.7 mm



### GSM850

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:8

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 190/z (axial)

**4.2mm 50 x 50/ABM Interpolated SNR(y,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

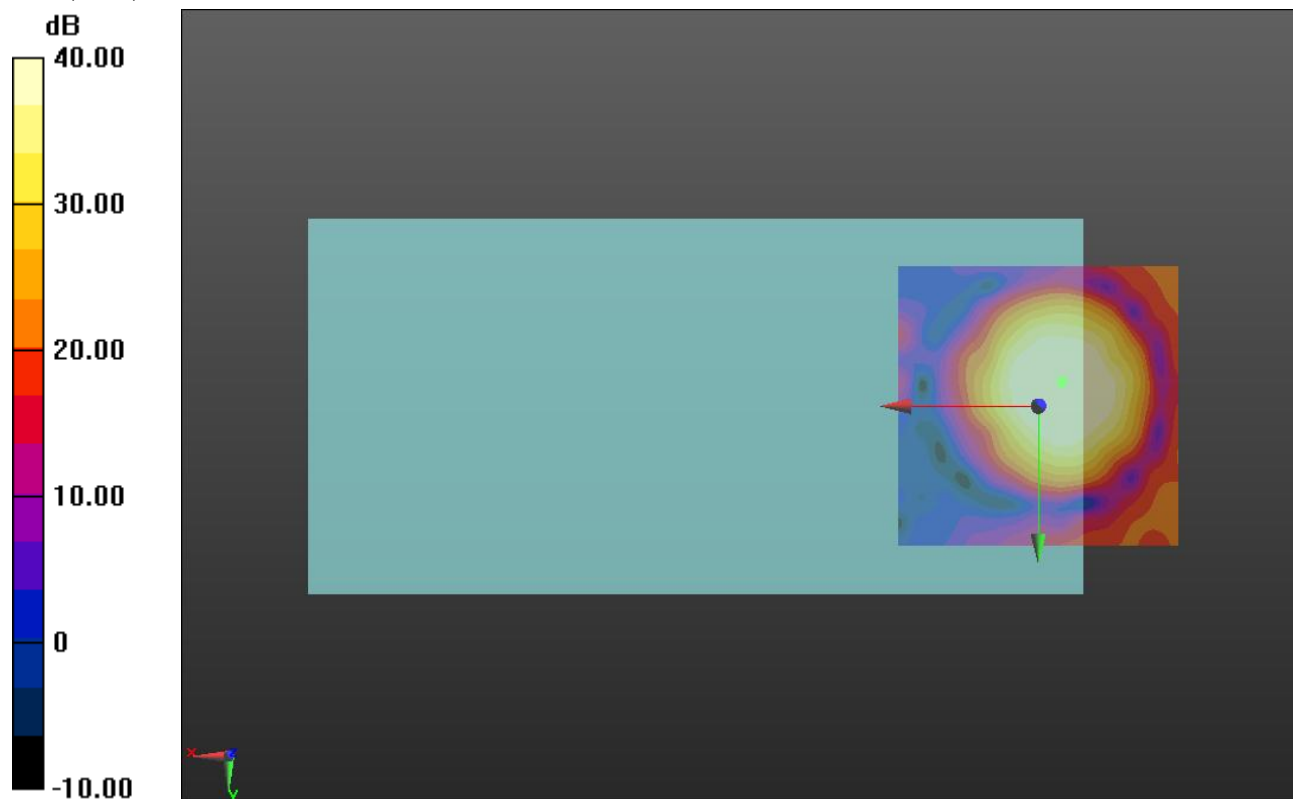
#### Cursor:

ABM1/ABM2 = 45.31 dB

ABM1 comp = 8.41 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.2, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 190/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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

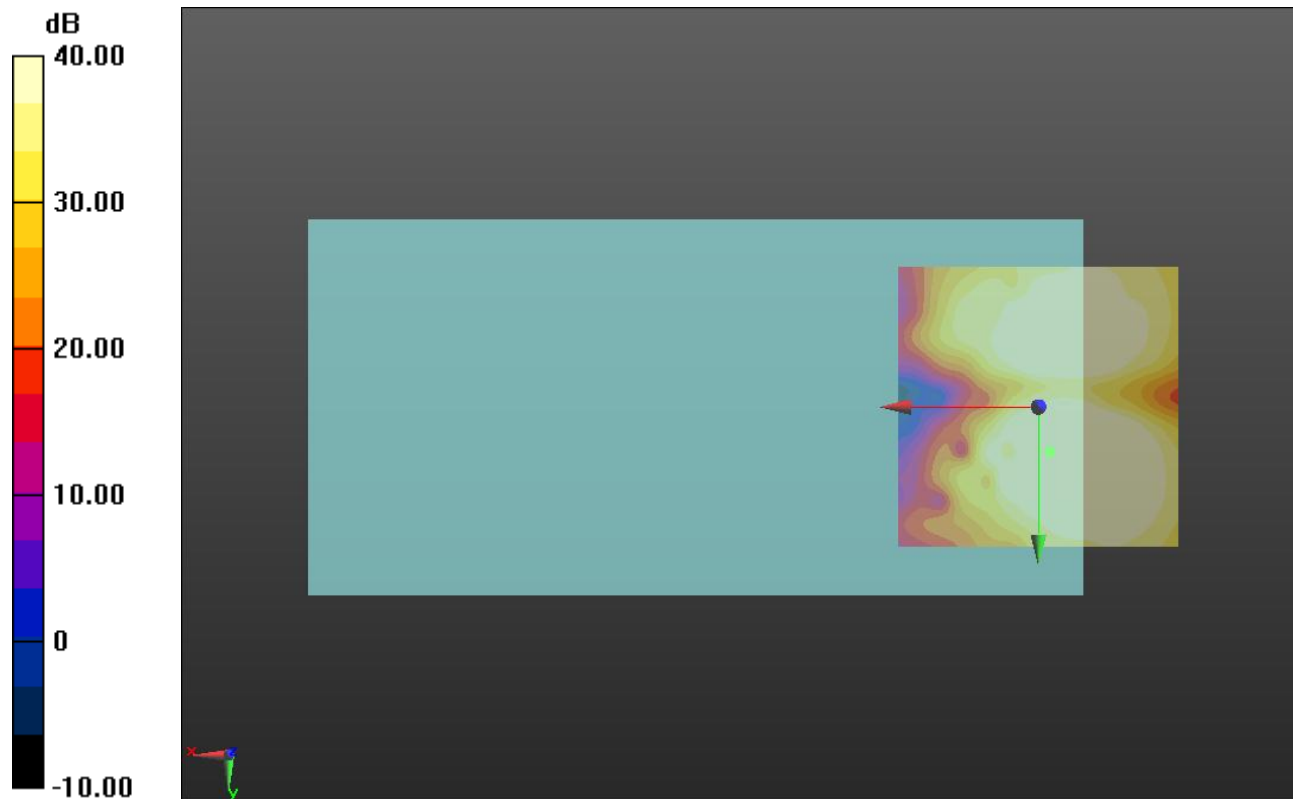
#### Cursor:

ABM1/ABM2 = 51.02 dB

ABM1 comp = 0.77 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, 7.9, 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

## 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(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

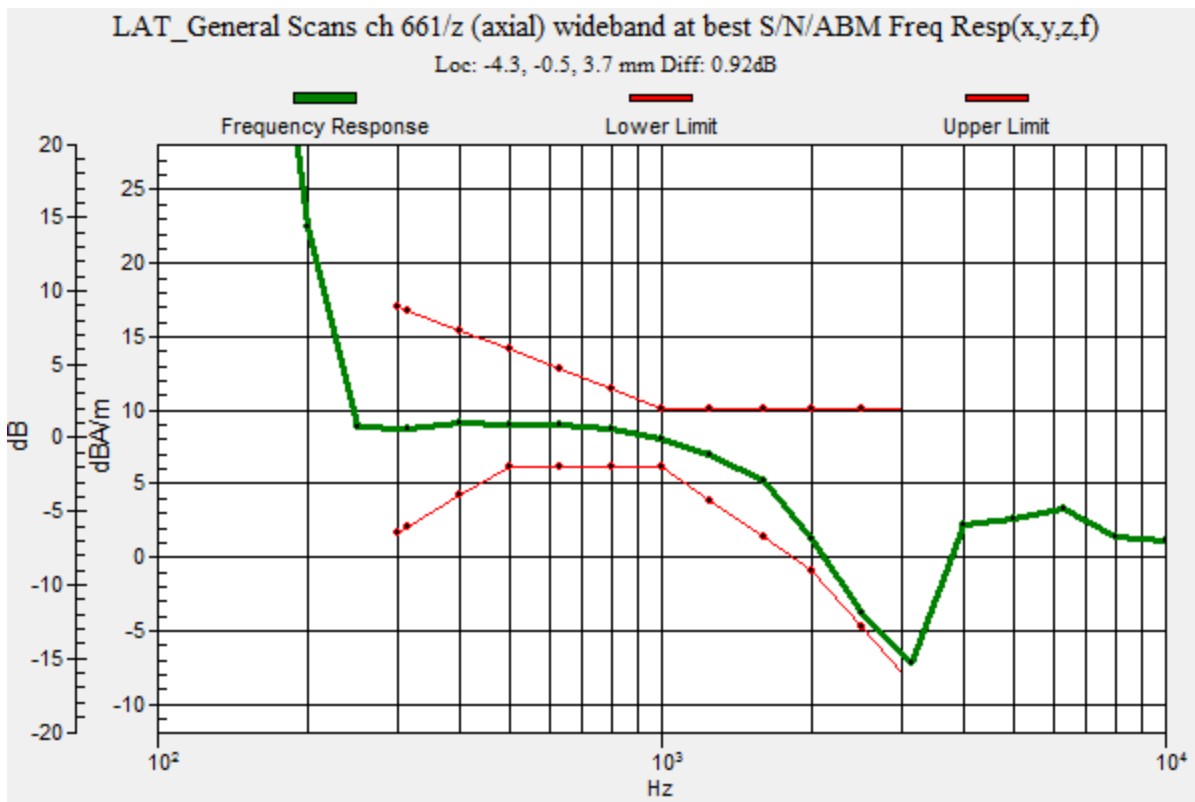
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.92 dB

BWC Factor = 10.80 dB

Location: -4.3, -0.5, 3.7 mm



### GSM1900

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 1 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:8

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 661/z (axial)

**4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

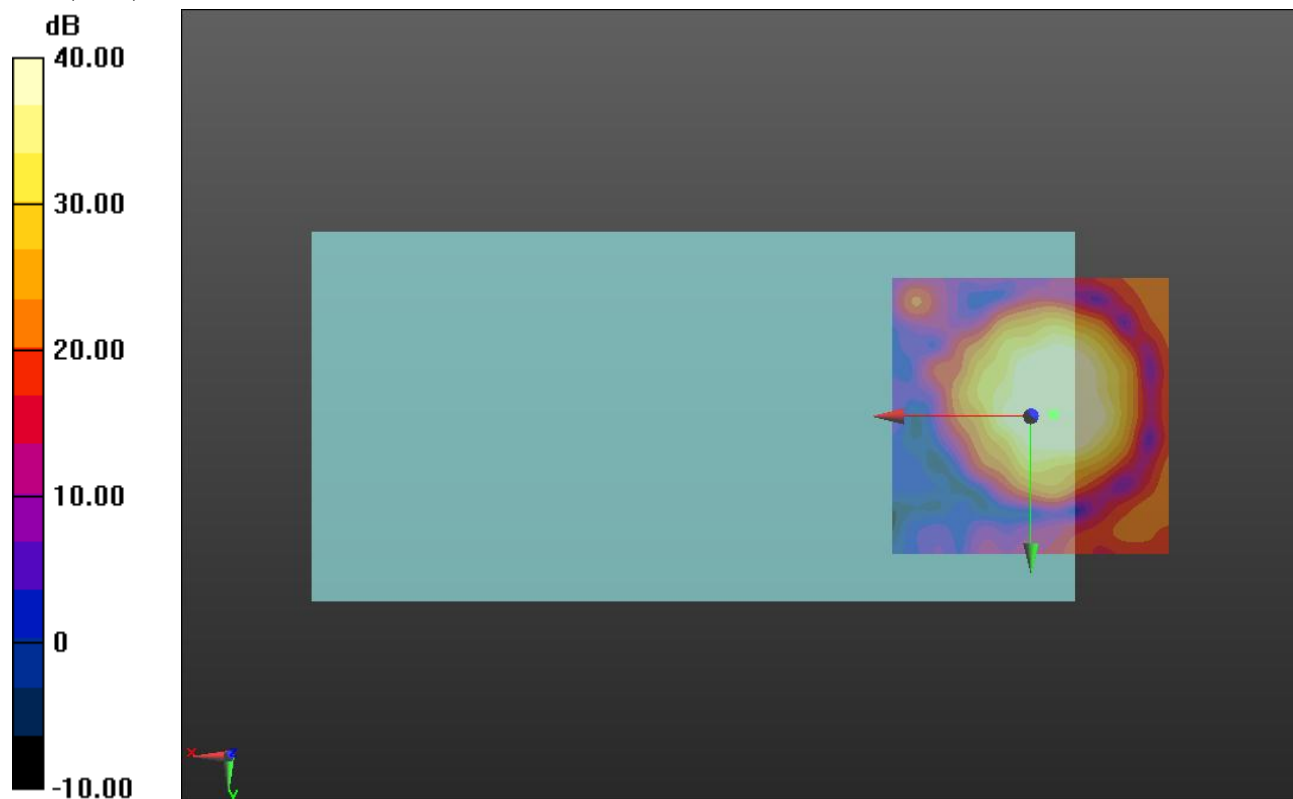
#### Cursor:

ABM1/ABM2 = 44.81 dB

ABM1 comp = 7.45 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -0.4, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

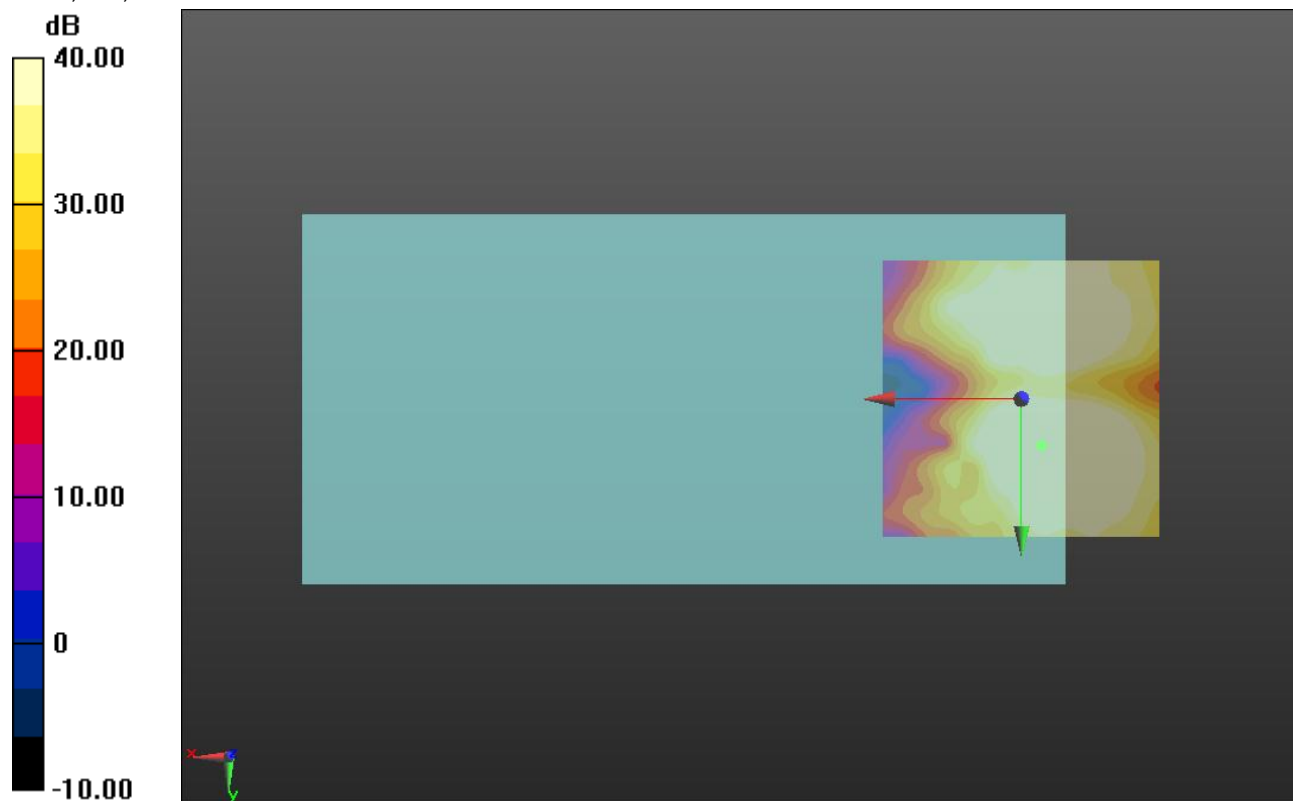
#### Cursor:

ABM1/ABM2 = 50.41 dB

ABM1 comp = 0.03 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, 8.3, 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(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

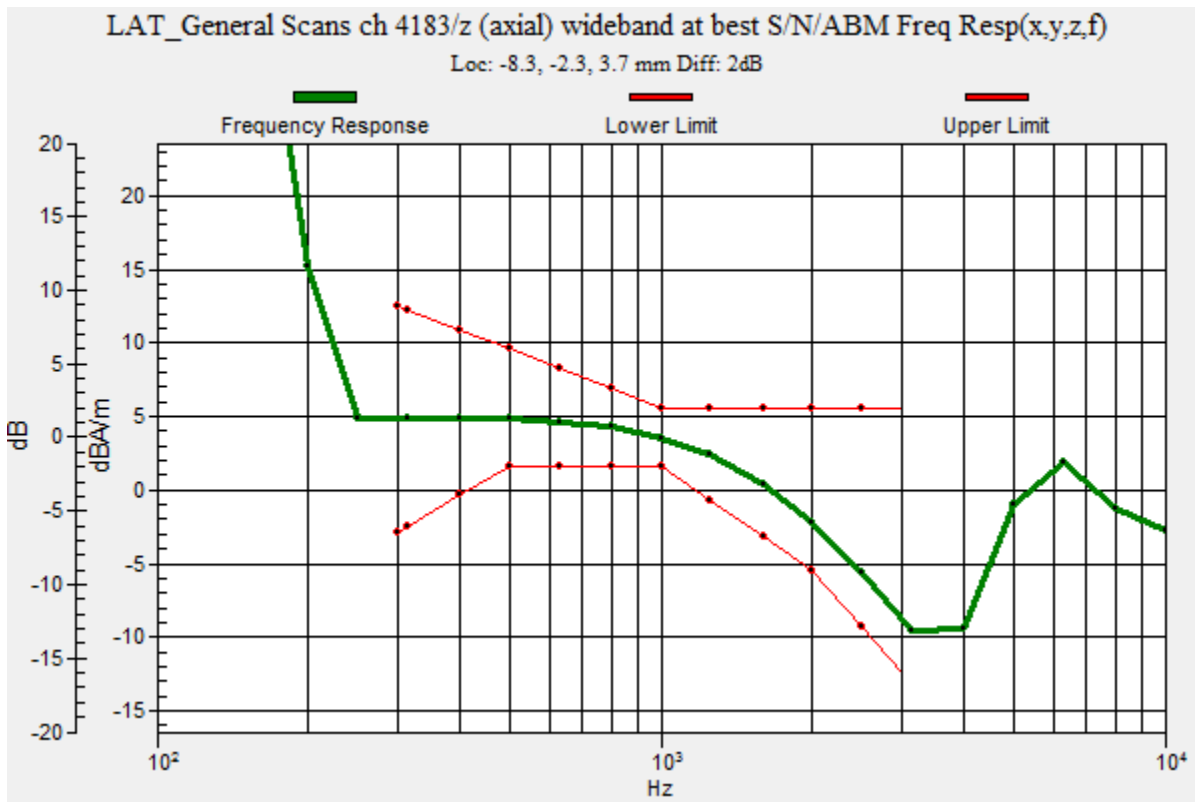
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -8.3, -2.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 4183/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

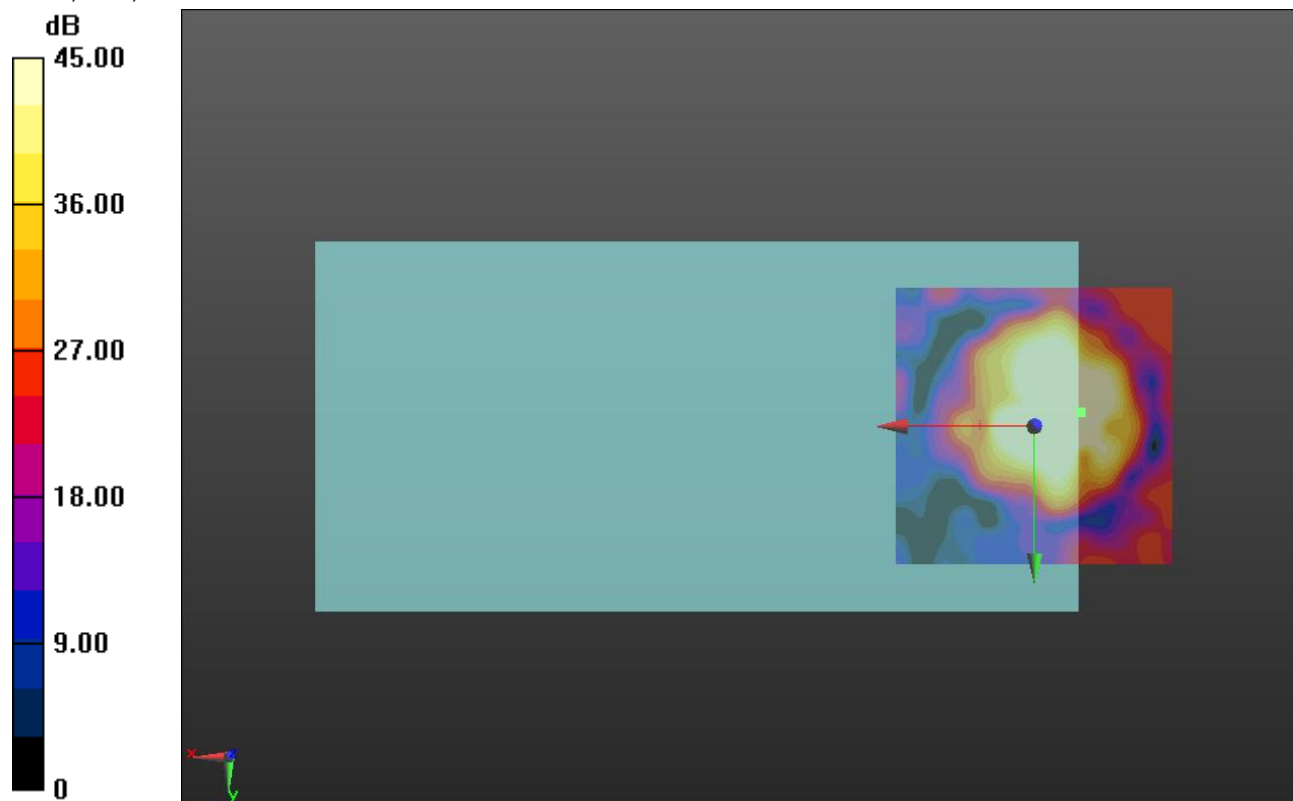
#### Cursor:

ABM1/ABM2 = 54.49 dB

ABM1 comp = 3.88 dBA/m

BWC Factor = 0.15 dB

Location: -8.3, -2.5, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 4183/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

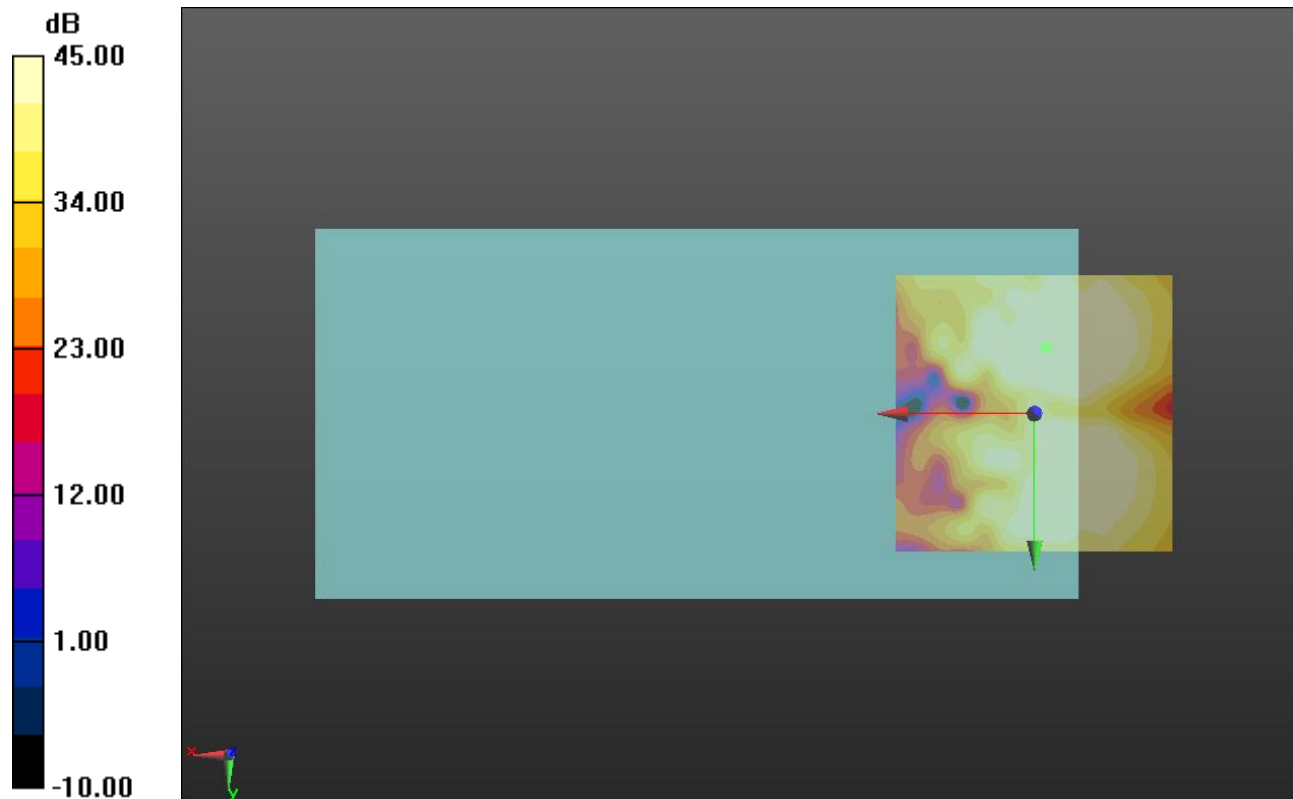
#### Cursor:

ABM1/ABM2 = 53.00 dB

ABM1 comp = 1.16 dBA/m

BWC Factor = 0.15 dB

Location: -2.1, -12.1, 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(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

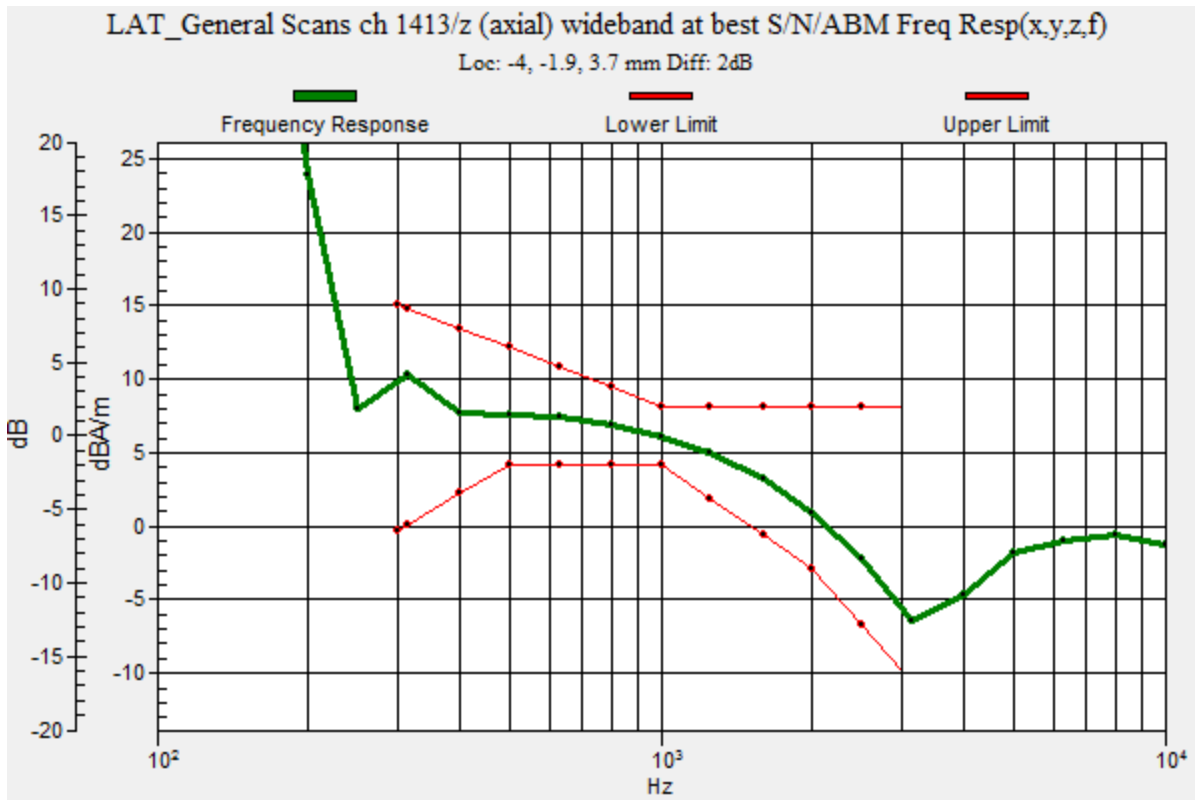
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4, -1.9, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 1413/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

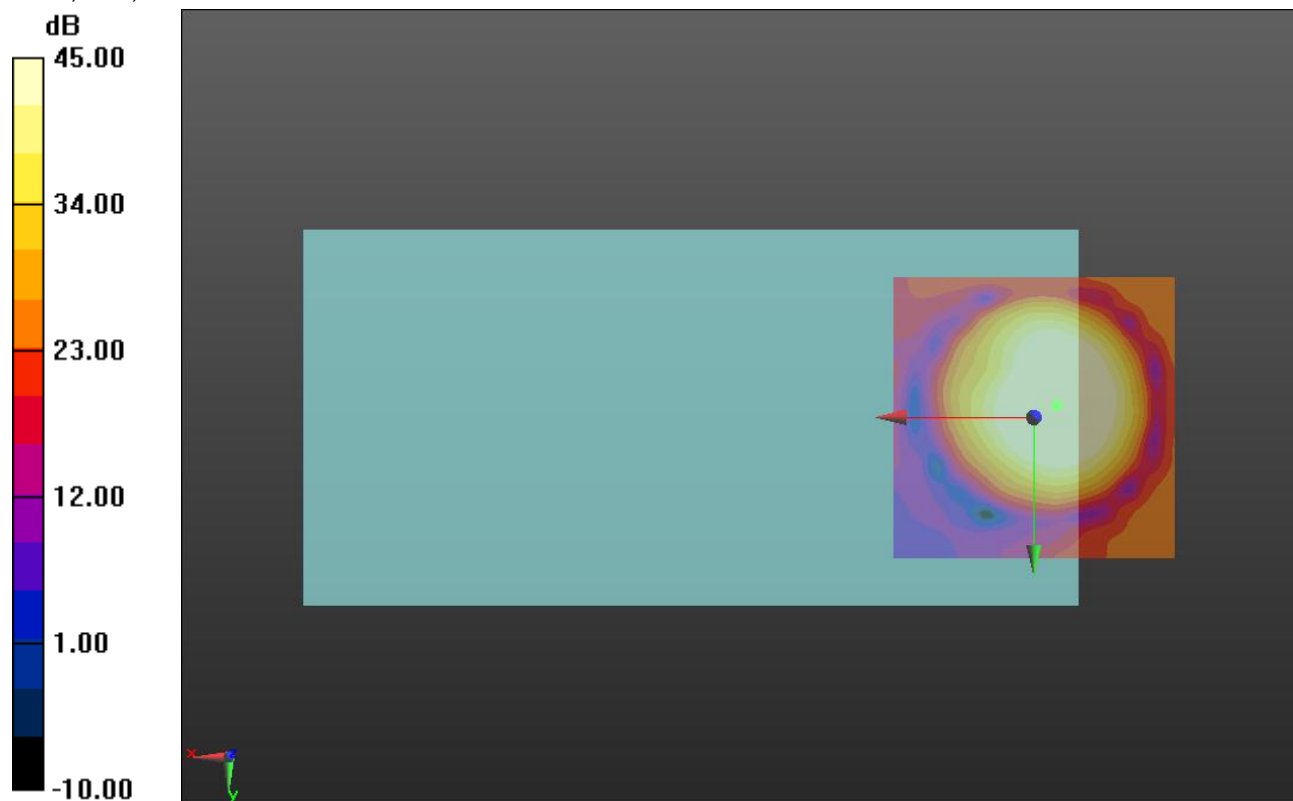
#### Cursor:

ABM1/ABM2 = 54.67 dB

ABM1 comp = 7.04 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -2.1, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 1413/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

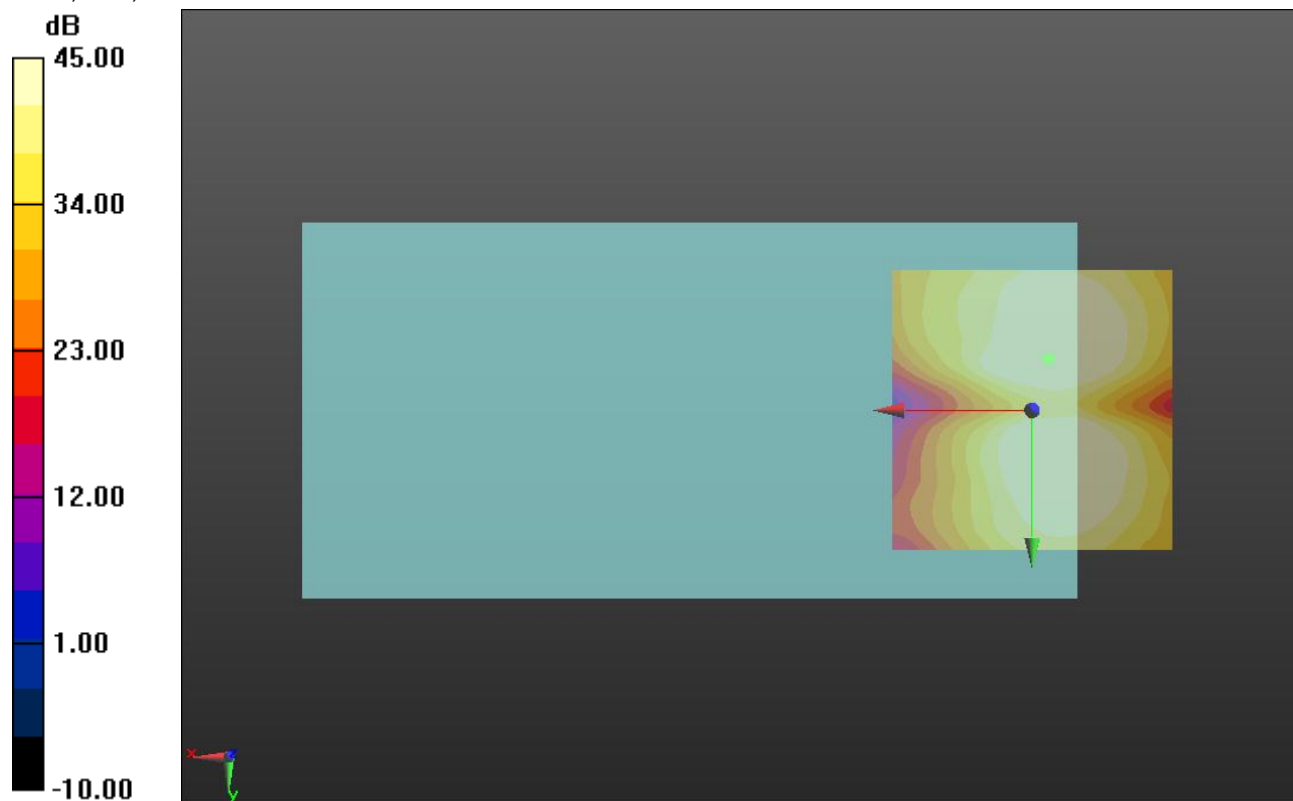
#### Cursor:

ABM1/ABM2 = 50.40 dB

ABM1 comp = -0.46 dBA/m

BWC Factor = 0.15 dB

Location: -2.9, -9.2, 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)/LAT\_General Scans ch 9400/z (axial) wideband at best S/N/ABM Freq Resp(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

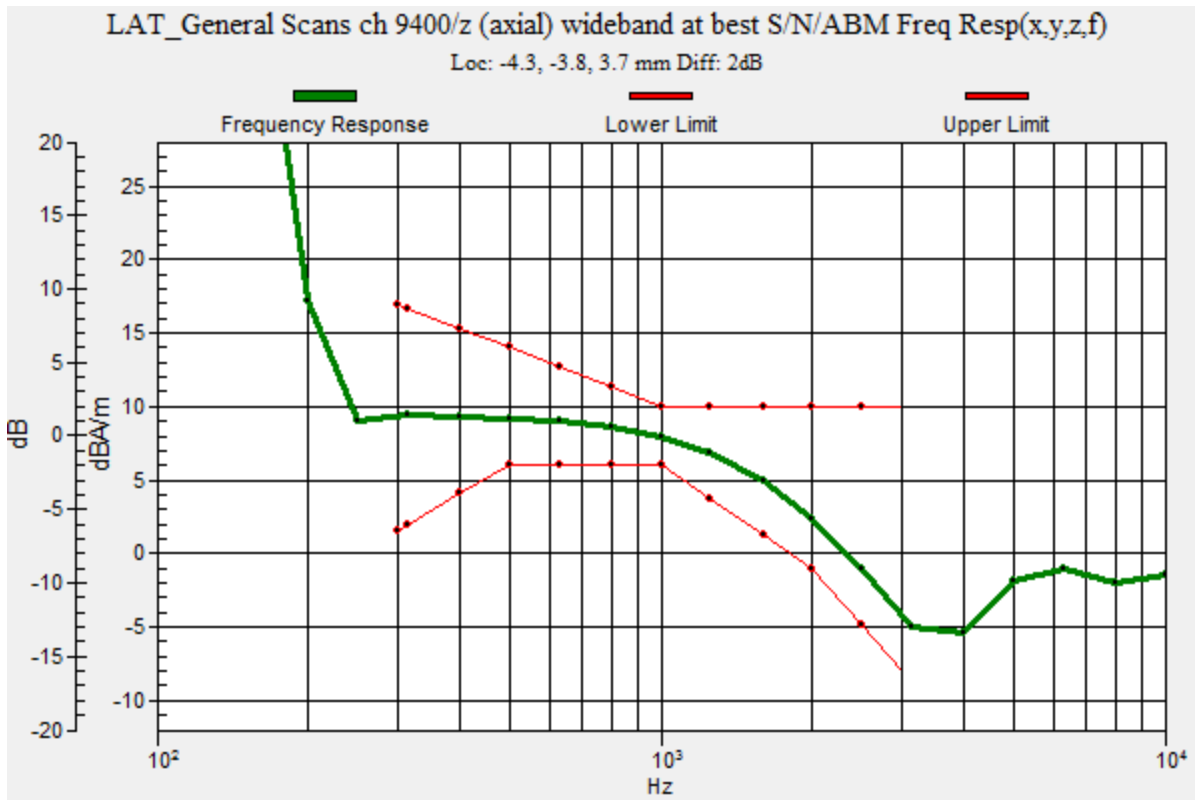
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.3, -3.8, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

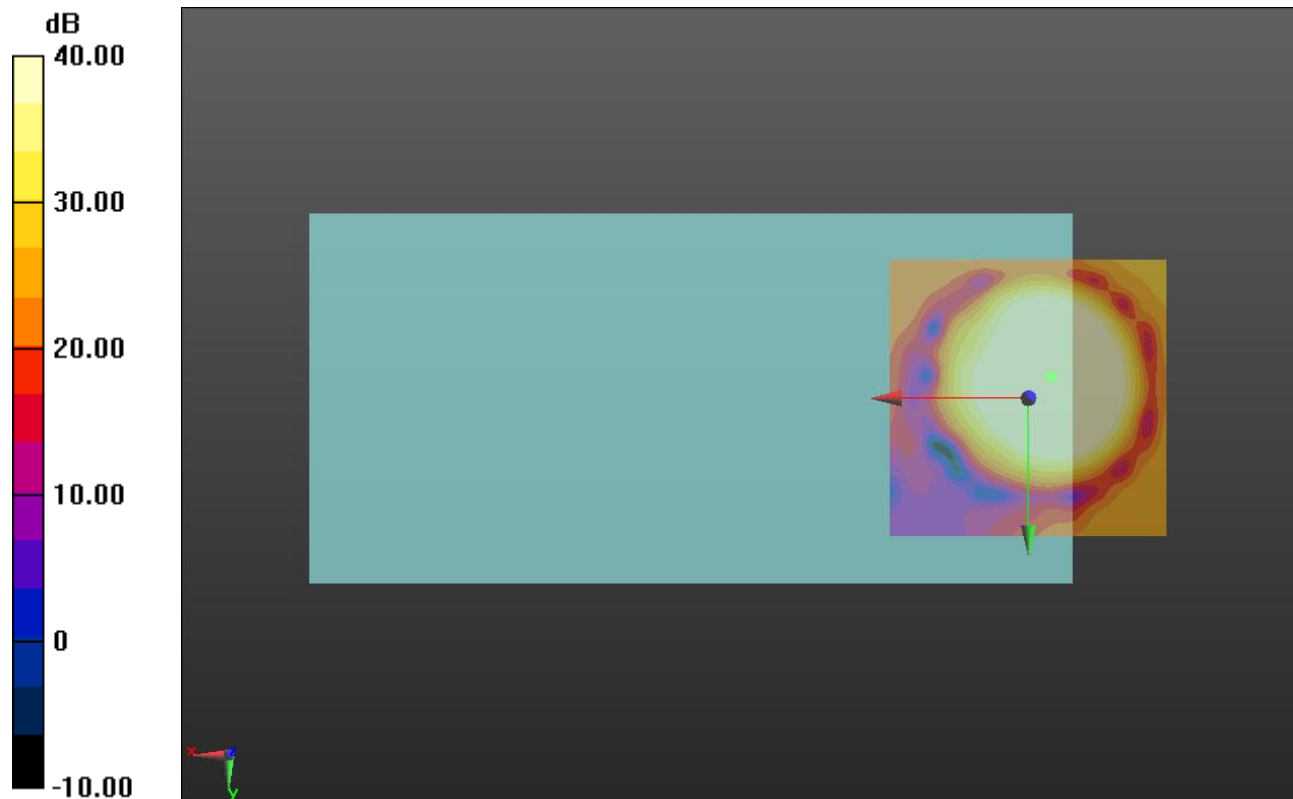
### Cursor:

ABM1/ABM2 = 56.12 dB

ABM1 comp = 8.55 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -3.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,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: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

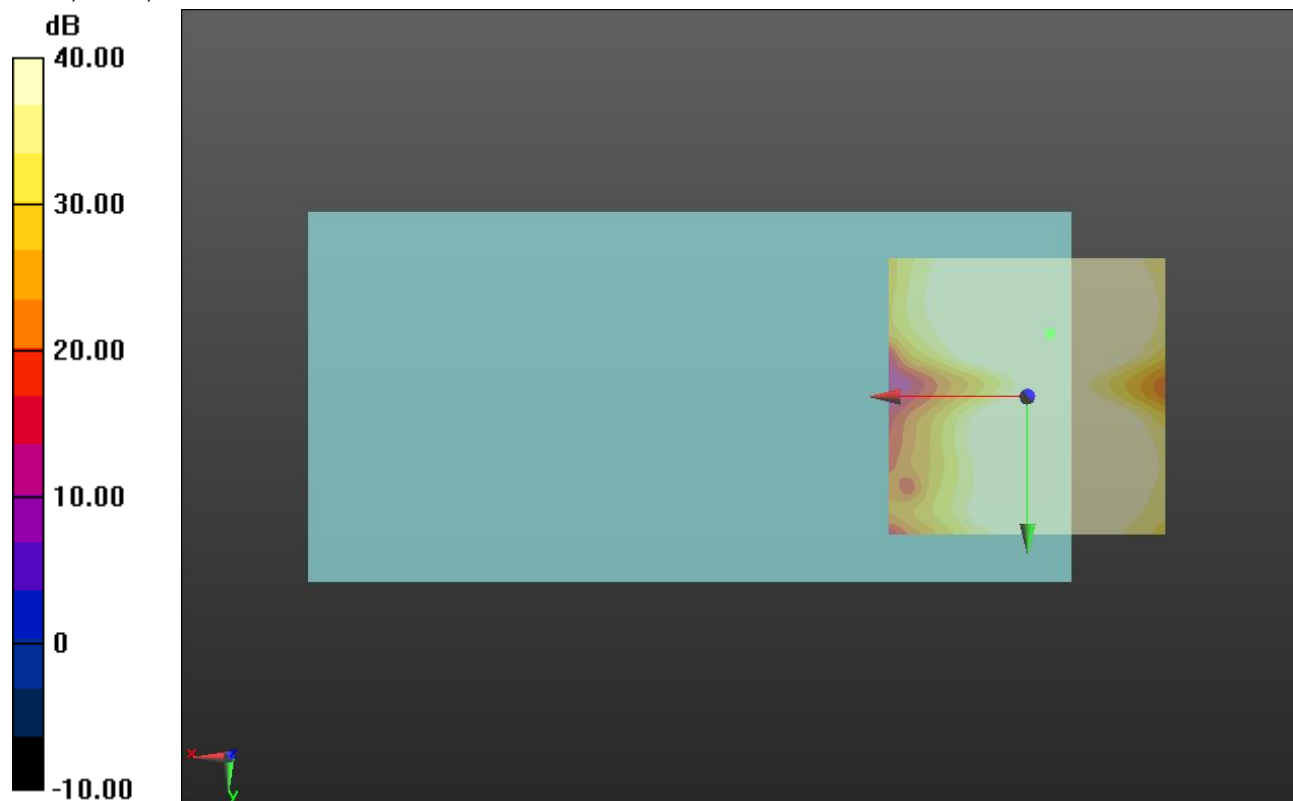
### Cursor:

ABM1/ABM2 = 51.52 dB

ABM1 comp = 0.75 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -11.3, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

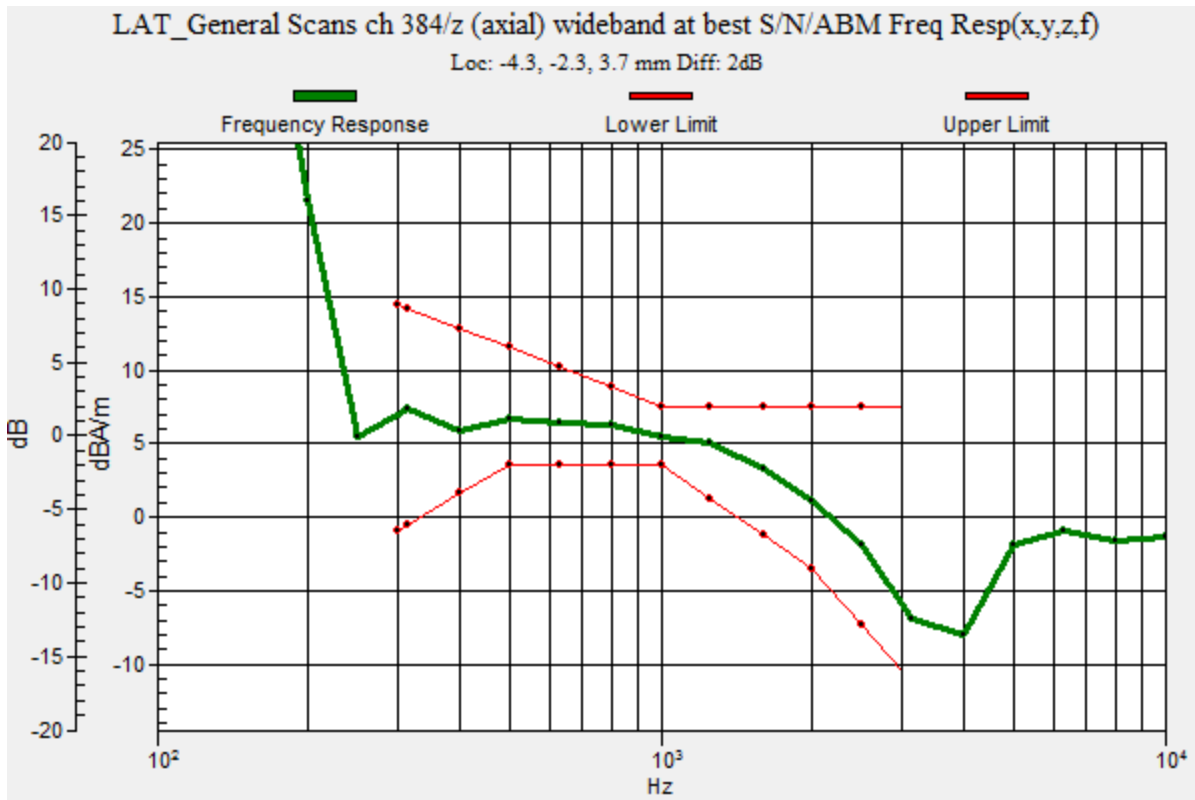
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.3, -2.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 384/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

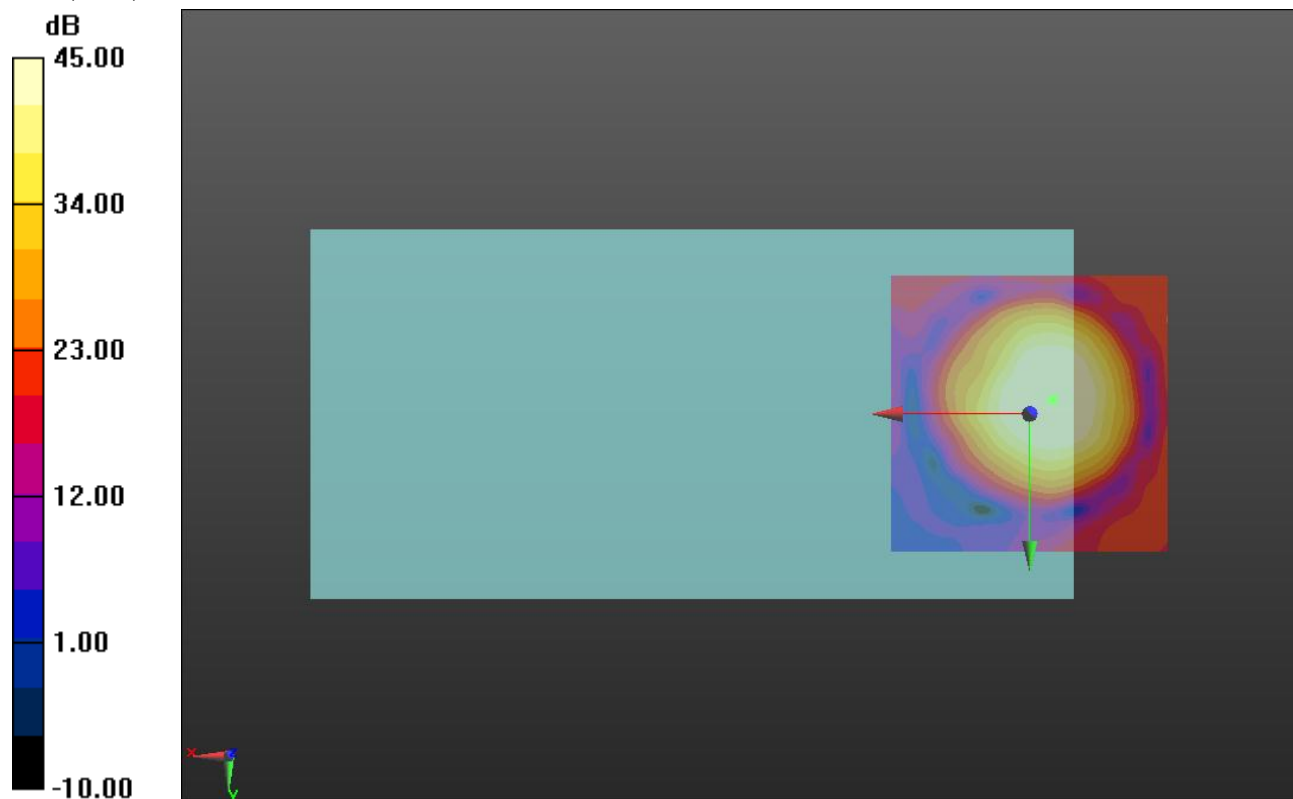
#### Cursor:

ABM1/ABM2 = 49.79 dB

ABM1 comp = 3.40 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -2.5, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 384/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

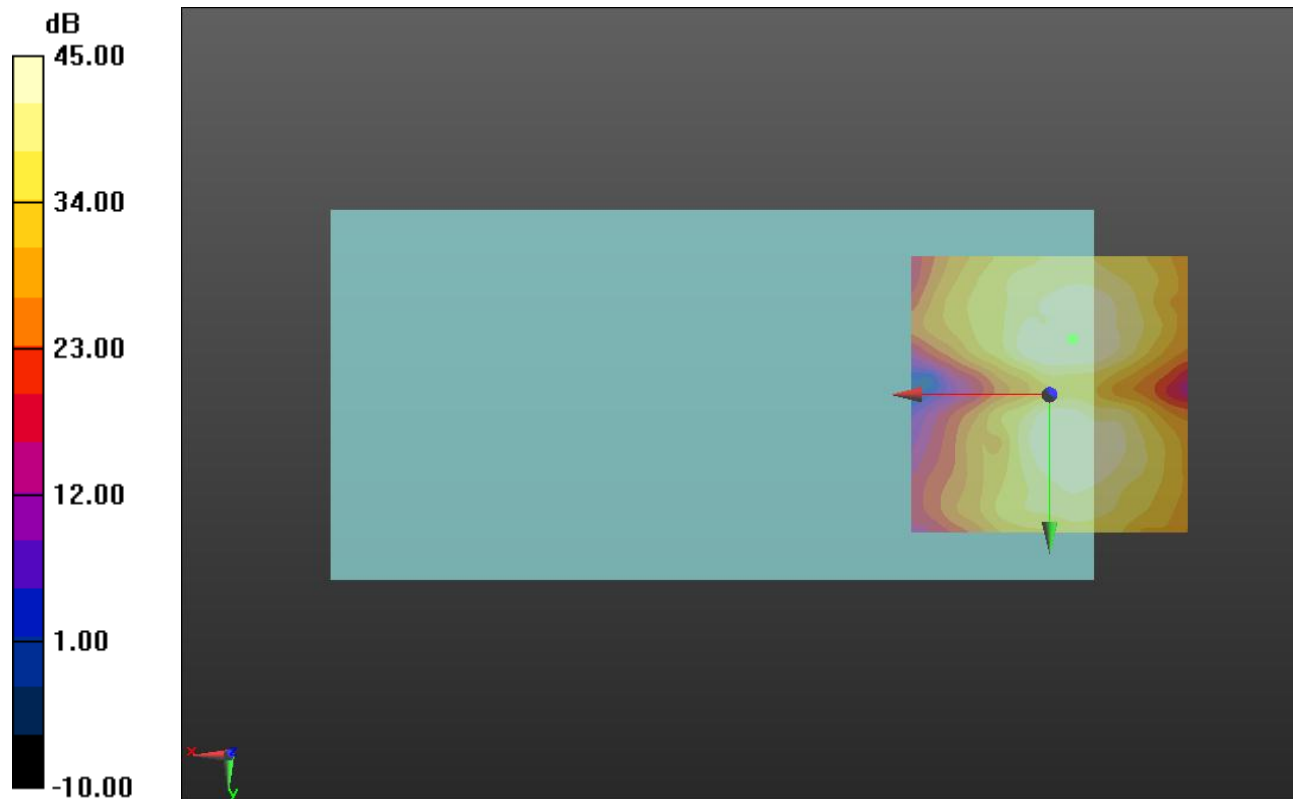
#### Cursor:

ABM1/ABM2 = 46.92 dB

ABM1 comp = -4.12 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 1

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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

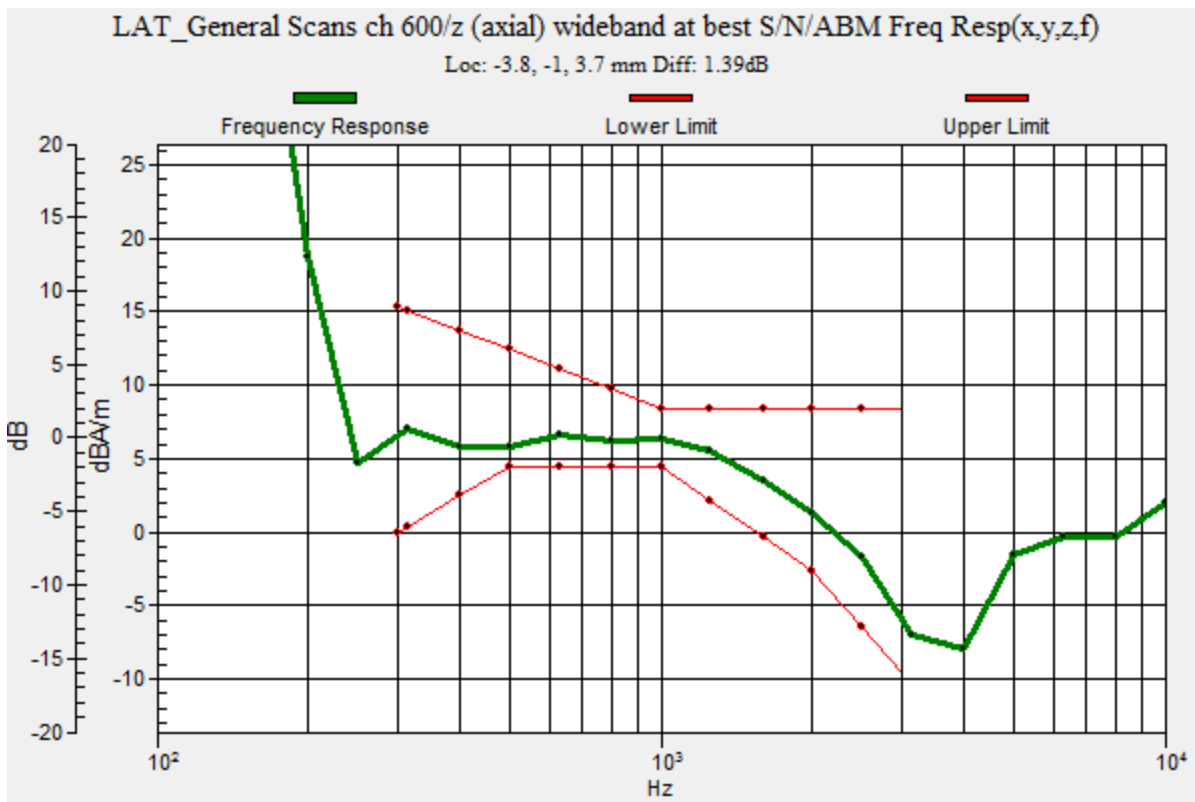
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.39 dB

BWC Factor = 10.80 dB

Location: -3.8, -1, 3.7 mm



### CDMA2000 BC 1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 600/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

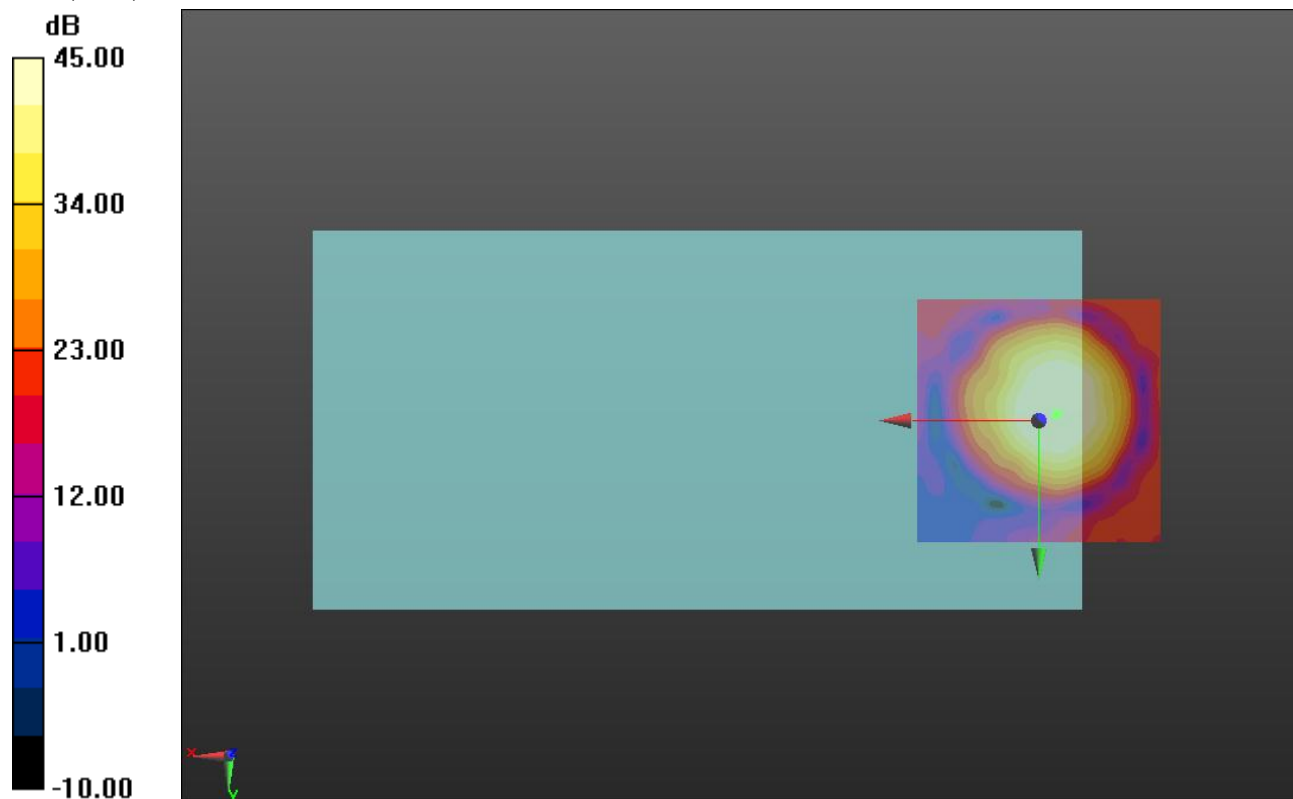
#### Cursor:

ABM1/ABM2 = 50.88 dB

ABM1 comp = 4.64 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -1.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 1

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

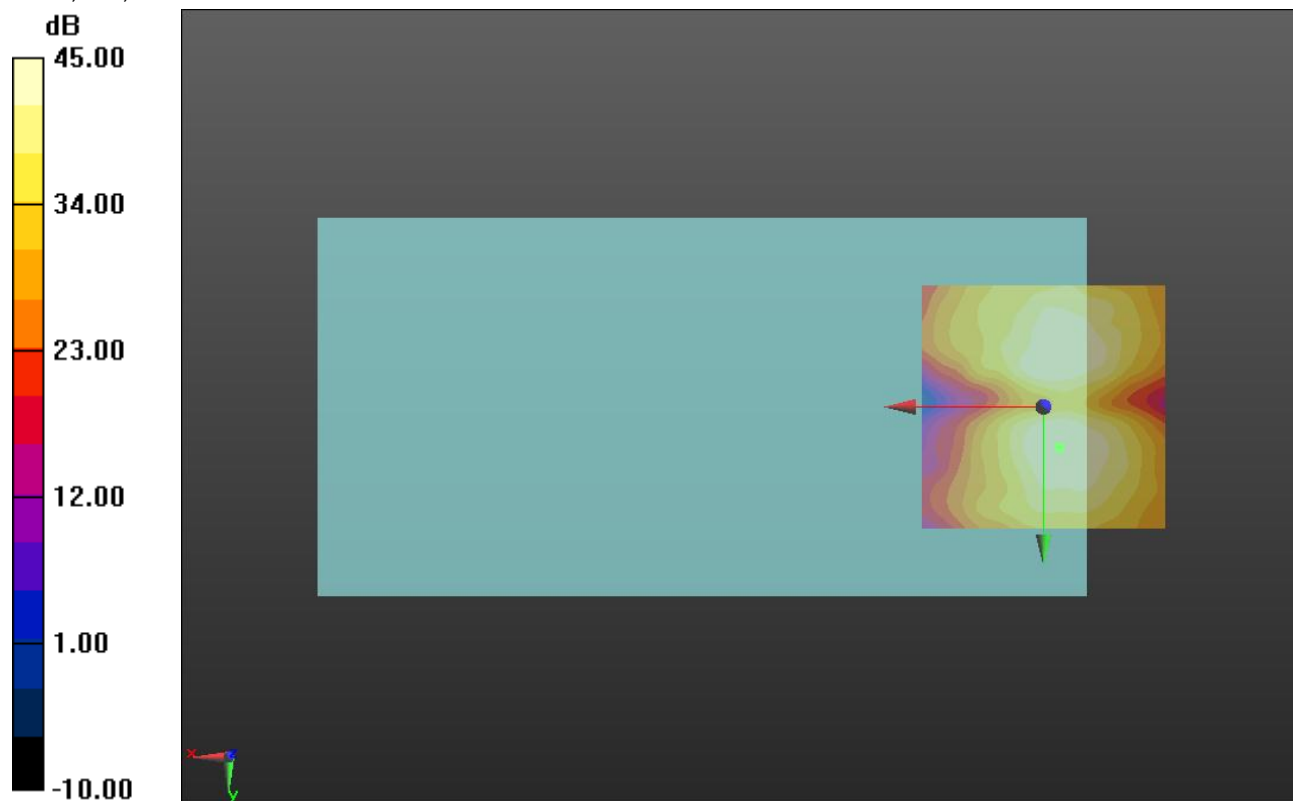
#### Cursor:

ABM1/ABM2 = 46.62 dB

ABM1 comp = -3.74 dBA/m

BWC Factor = 0.15 dB

Location: -3.3, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB



### CDMA2000 BC 10

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

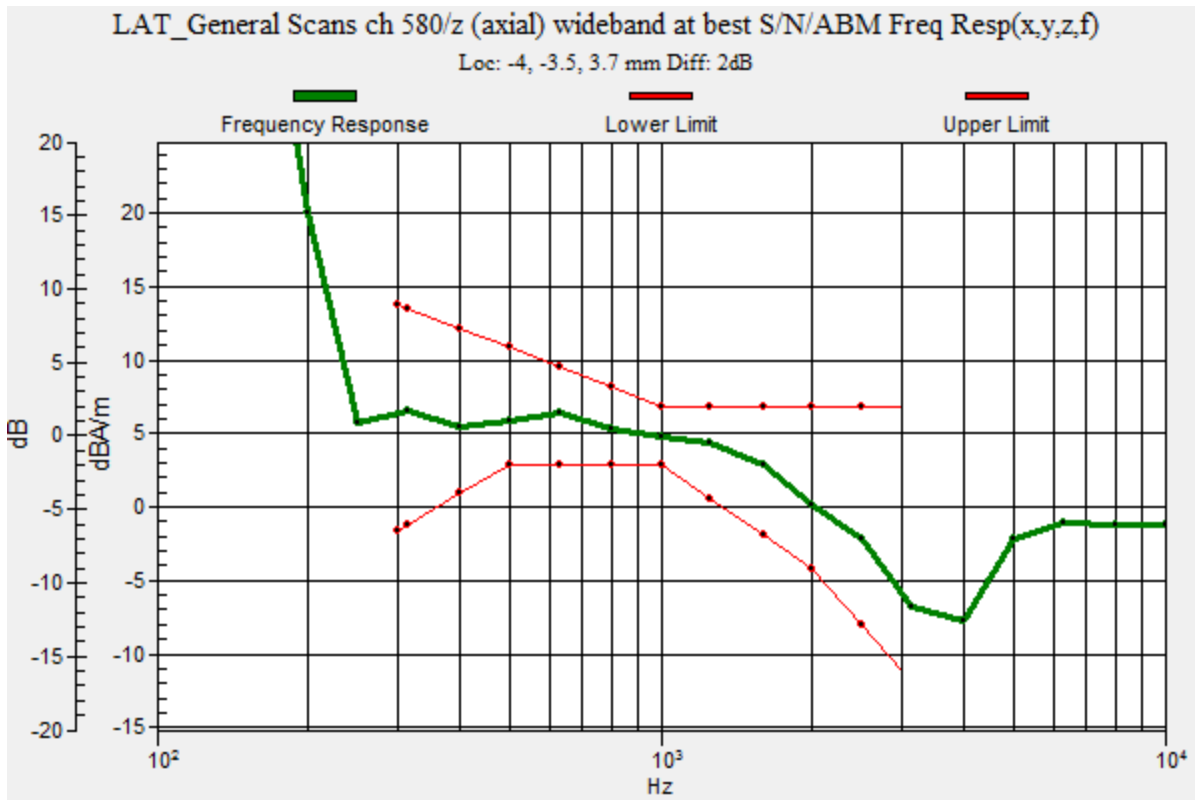
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4, -3.5, 3.7 mm



### CDMA2000 BC 10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 580/z (axial)

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

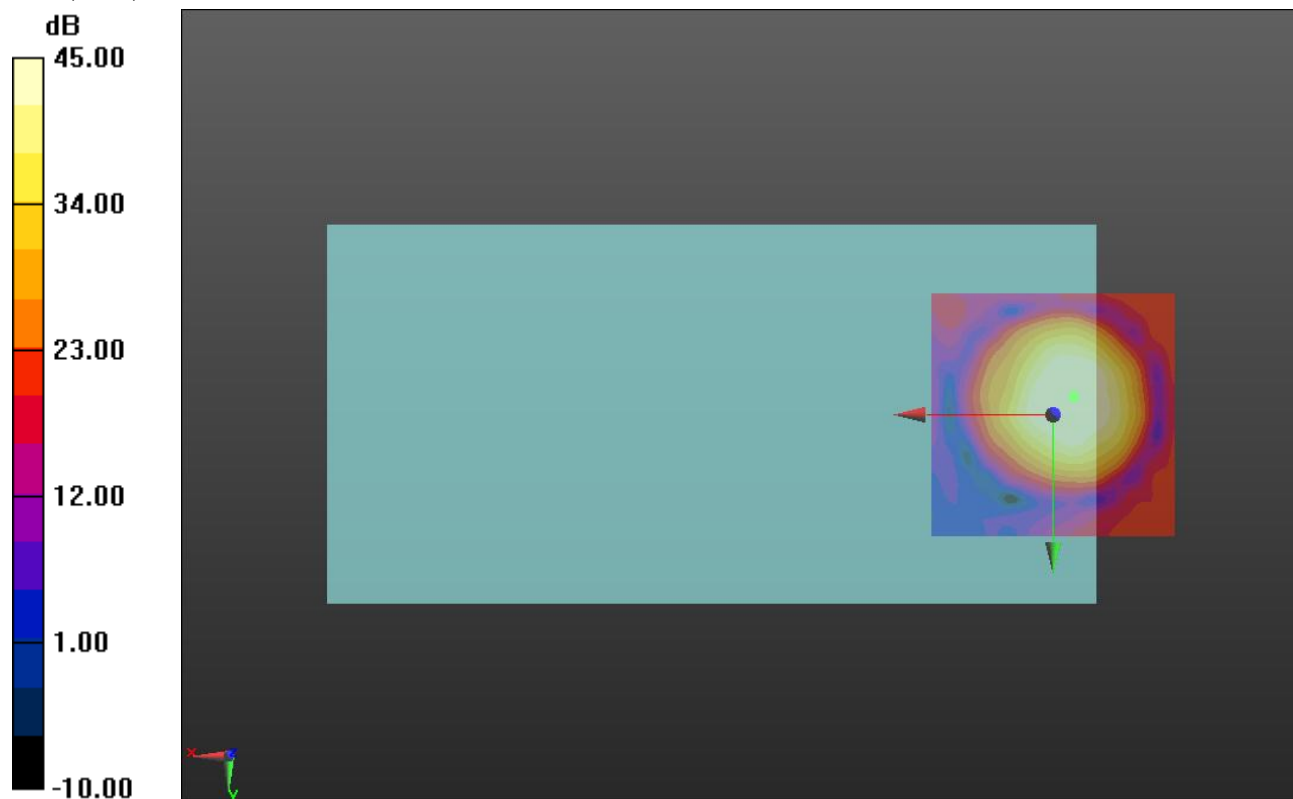
#### Cursor:

ABM1/ABM2 = 50.22 dB

ABM1 comp = 4.00 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -3.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 10

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 580/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

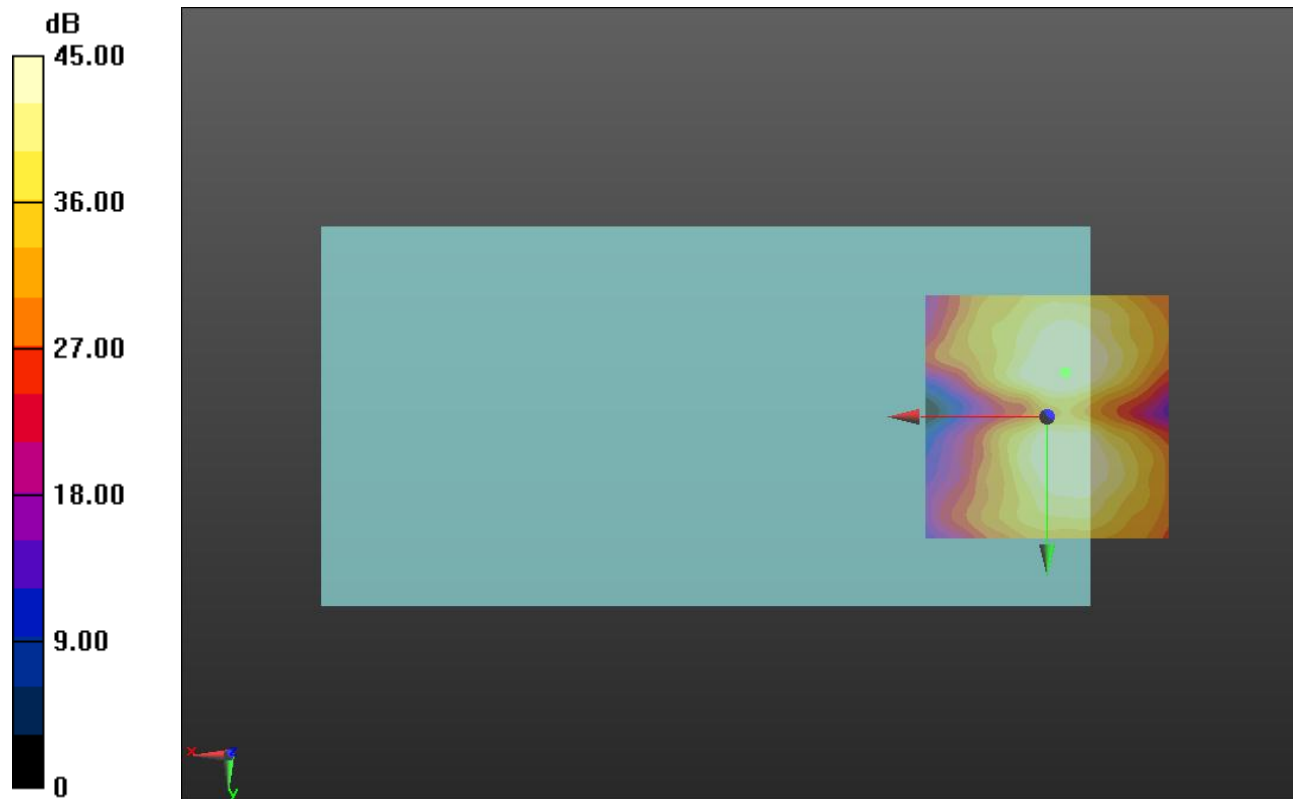
#### Cursor:

ABM1/ABM2 = 47.27 dB

ABM1 comp = -3.65 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 15

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19-2011 compliance)/LAT\_General Scans ch 450/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

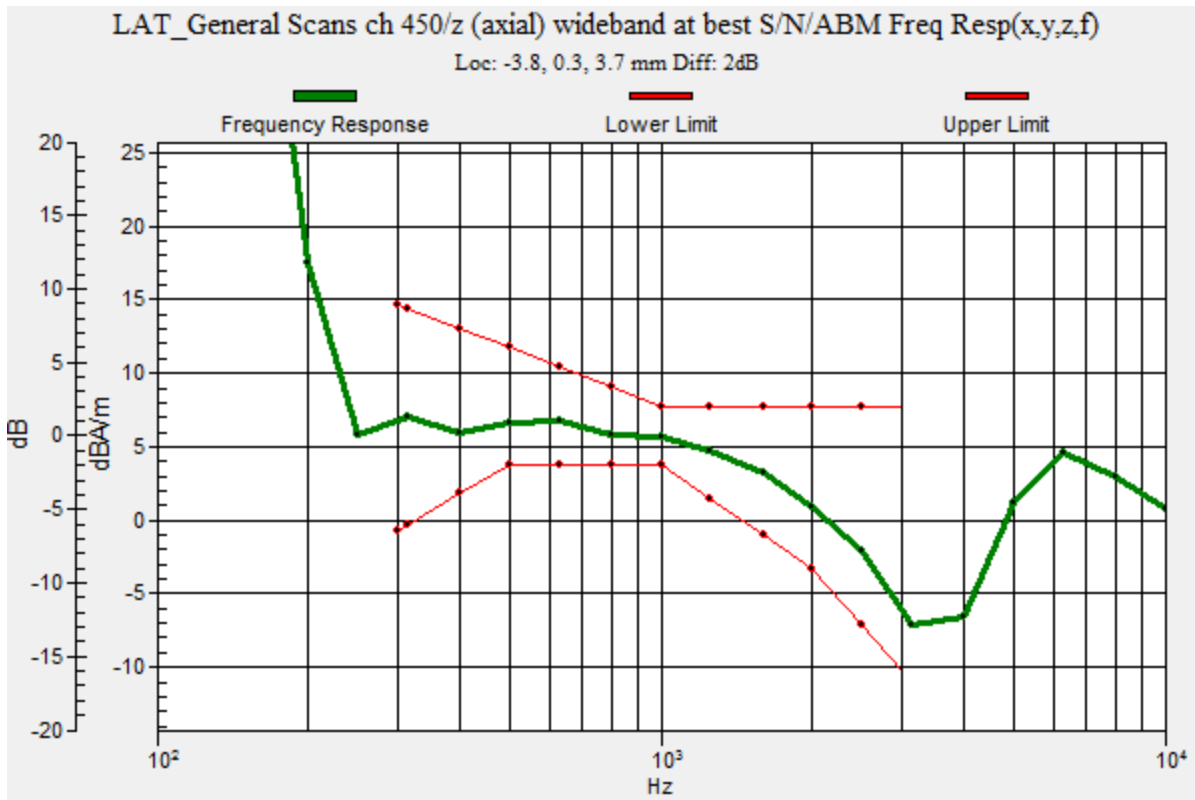
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -3.8, 0.3, 3.7 mm



### CDMA2000 BC 15

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 450/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

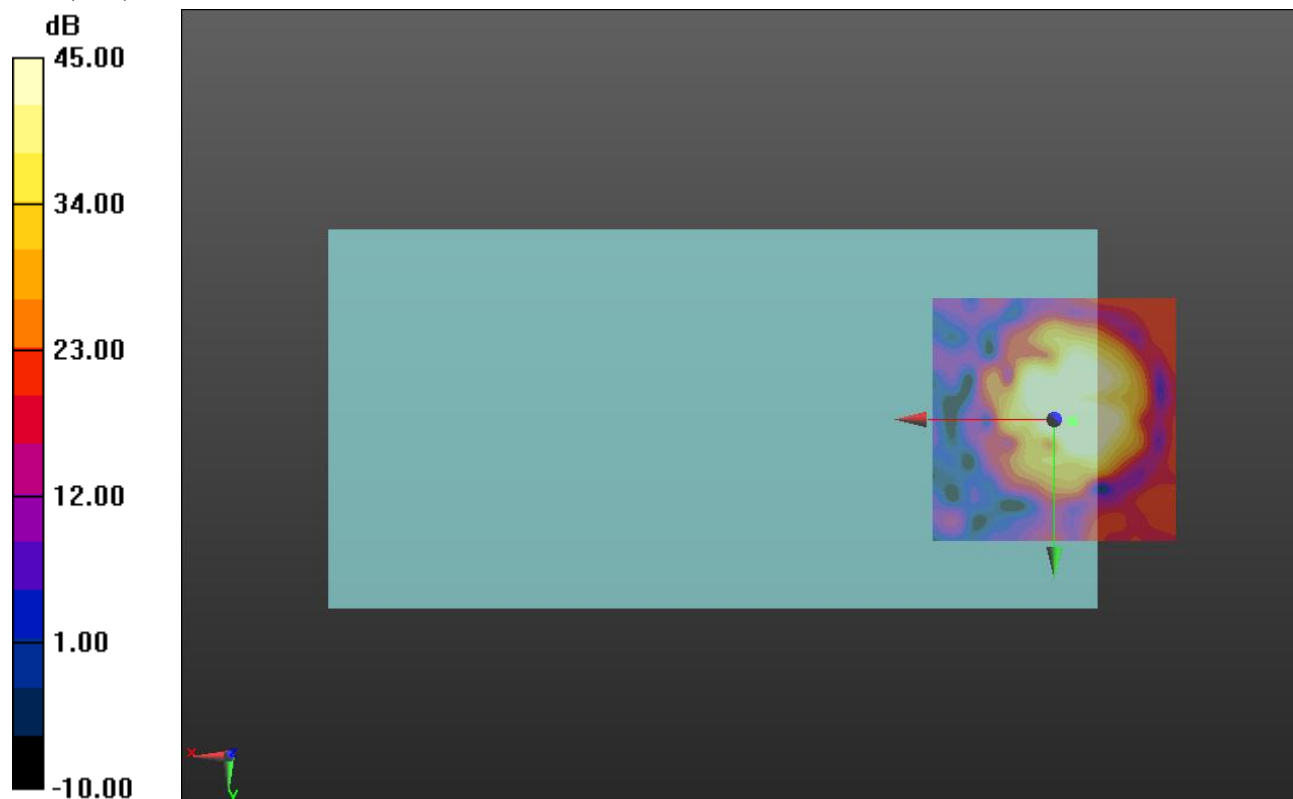
#### Cursor:

ABM1/ABM2 = 51.84 dB

ABM1 comp = 3.18 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, 0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

### CDMA2000 BC 15

Communication System: UID 0, CDMA2000 (0); Frequency: 1732.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 450/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

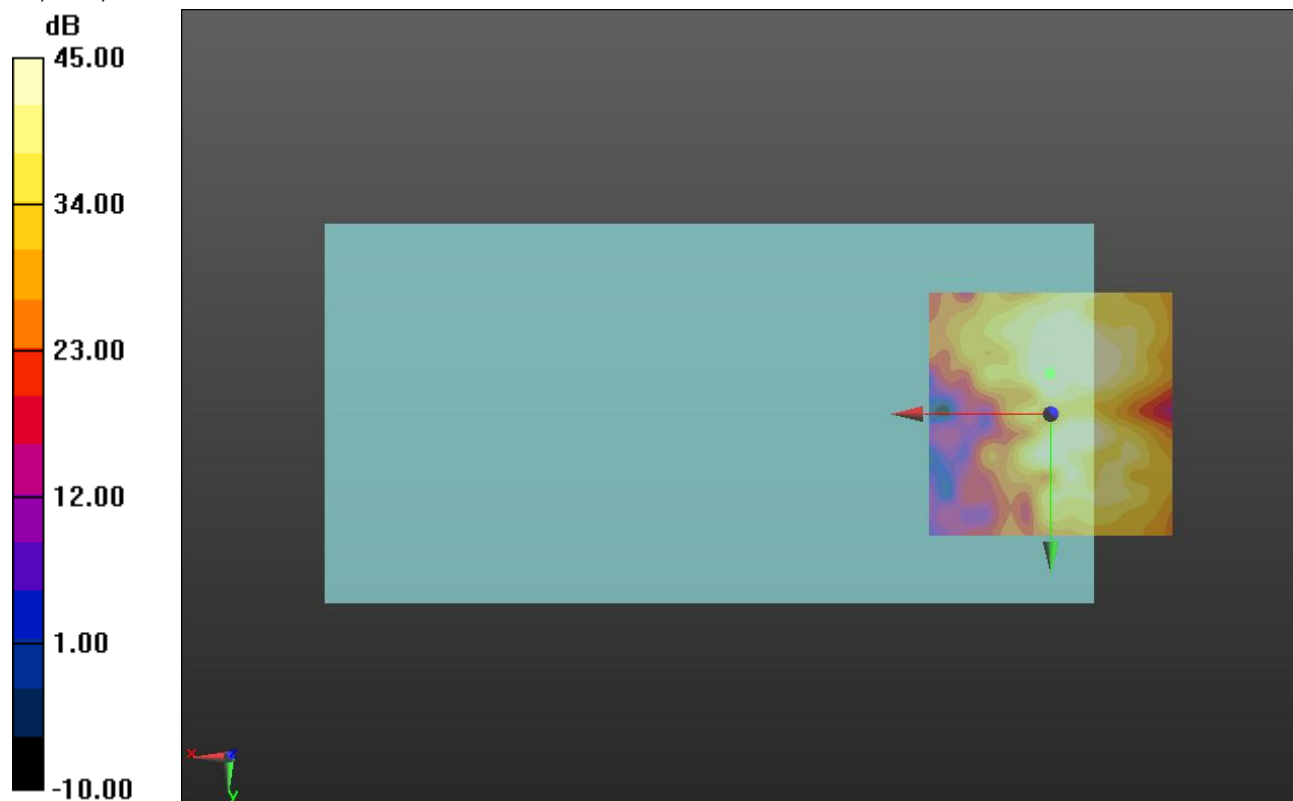
#### Cursor:

ABM1/ABM2 = 47.15 dB

ABM1 comp = -3.18 dBA/m

BWC Factor = 0.15 dB

Location: 0, -8.3, 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)/LAT\_General Scans ch 18900/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

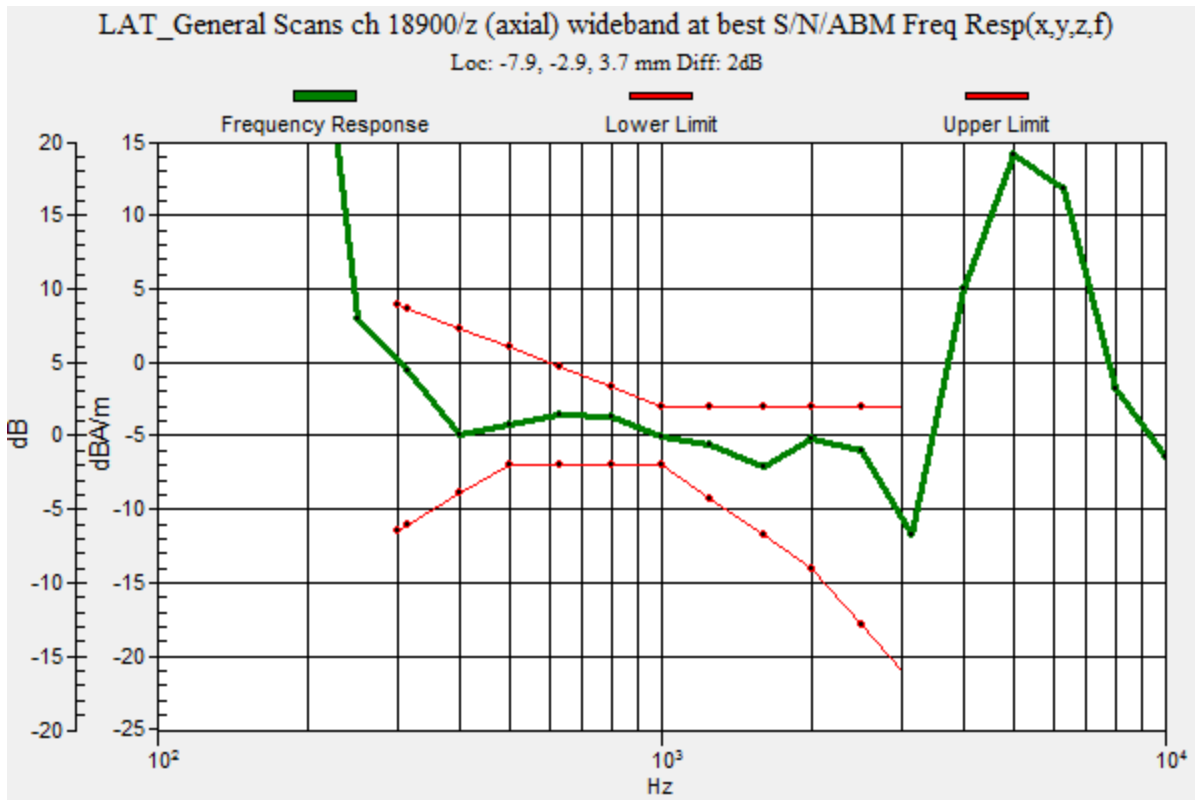
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -7.9, -2.9, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

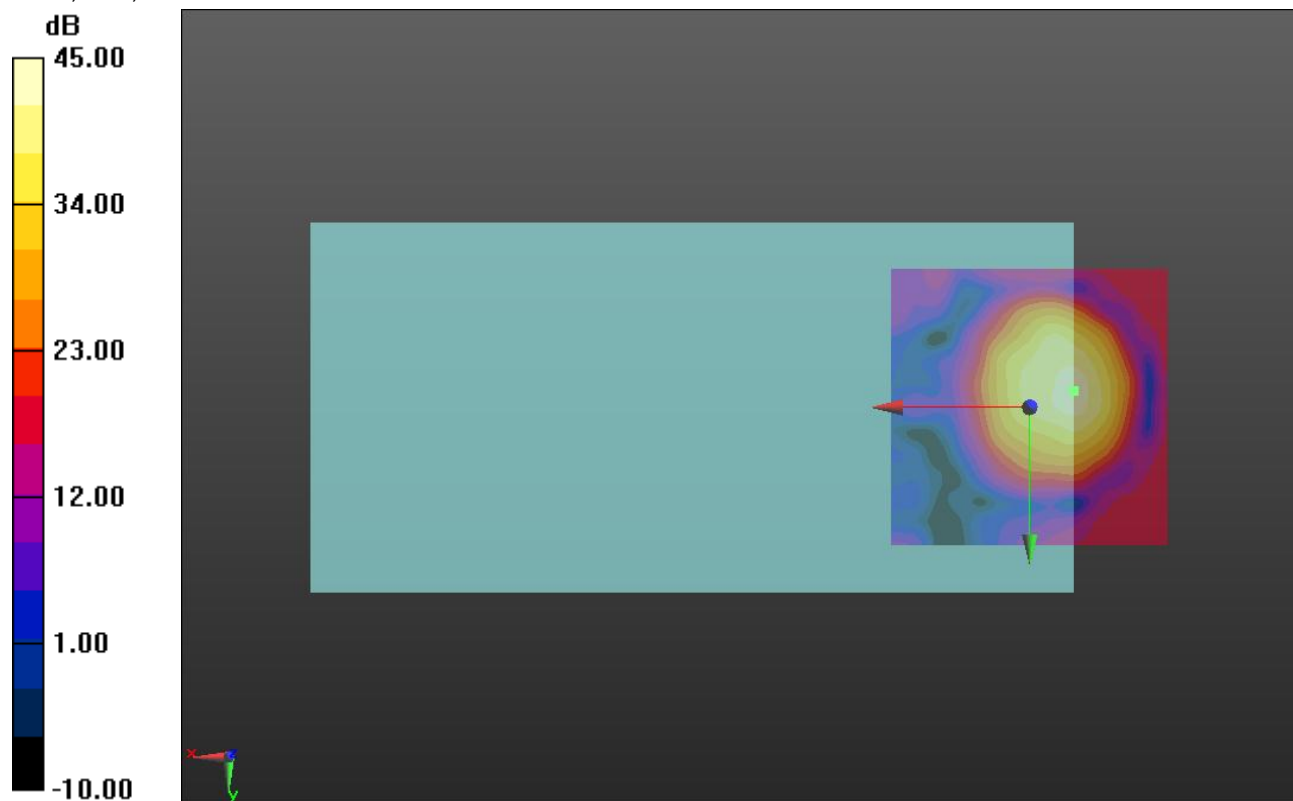
**Cursor:**

ABM1/ABM2 = 43.33 dB

ABM1 comp = -3.58 dBA/m

BWC Factor = 0.16 dB

Location: -7.9, -2.9, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

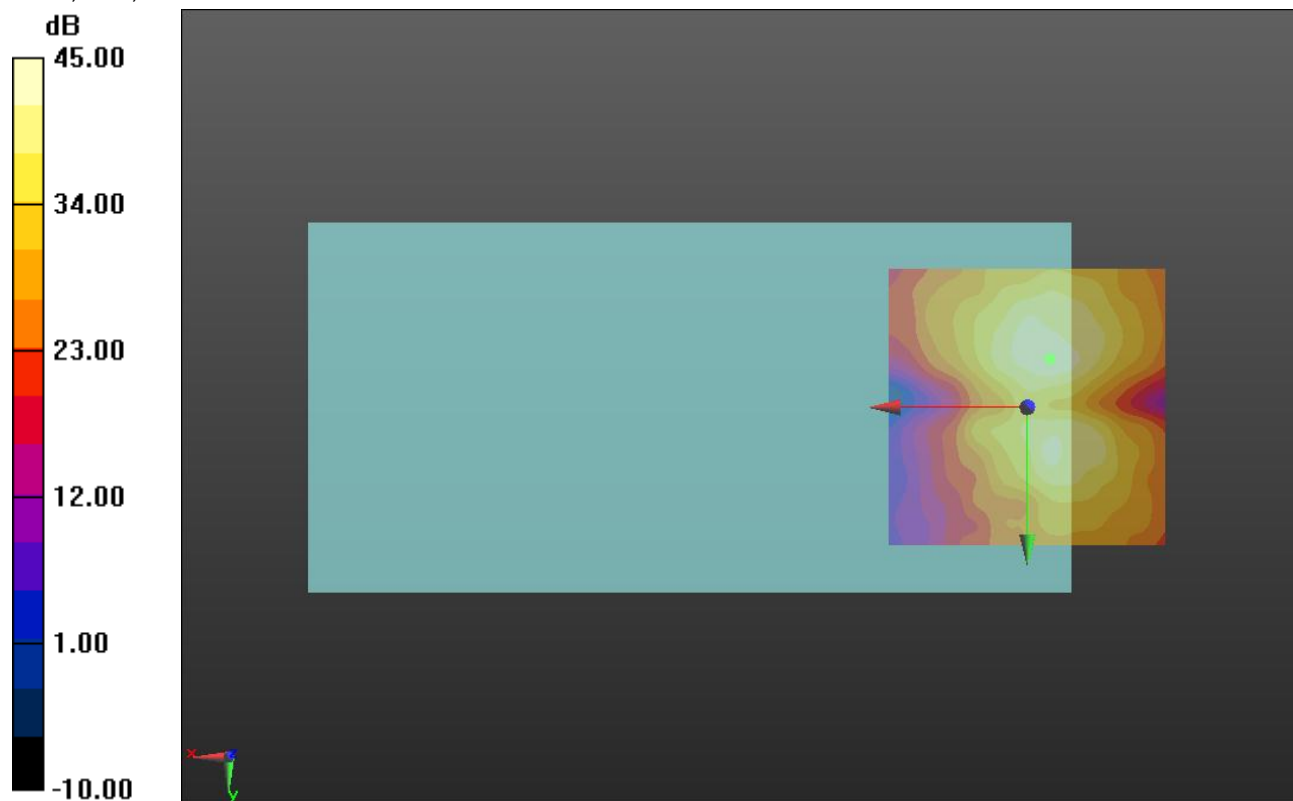
#### Cursor:

ABM1/ABM2 = 44.79 dB

ABM1 comp = -7.44 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4\_Narrowband

Communication System: UID 0, LTE (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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

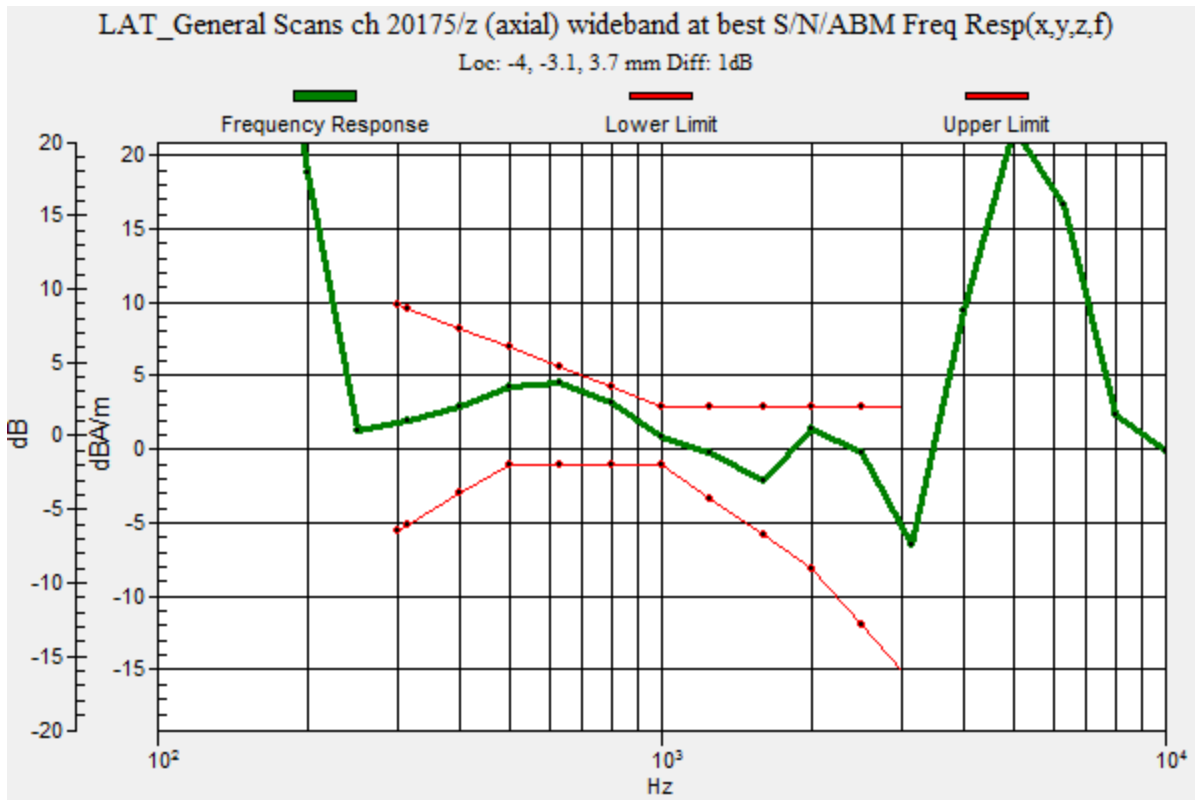
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.00 dB

BWC Factor = 10.80 dB

Location: -4, -3.1, 3.7 mm



### LTE Band 4\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

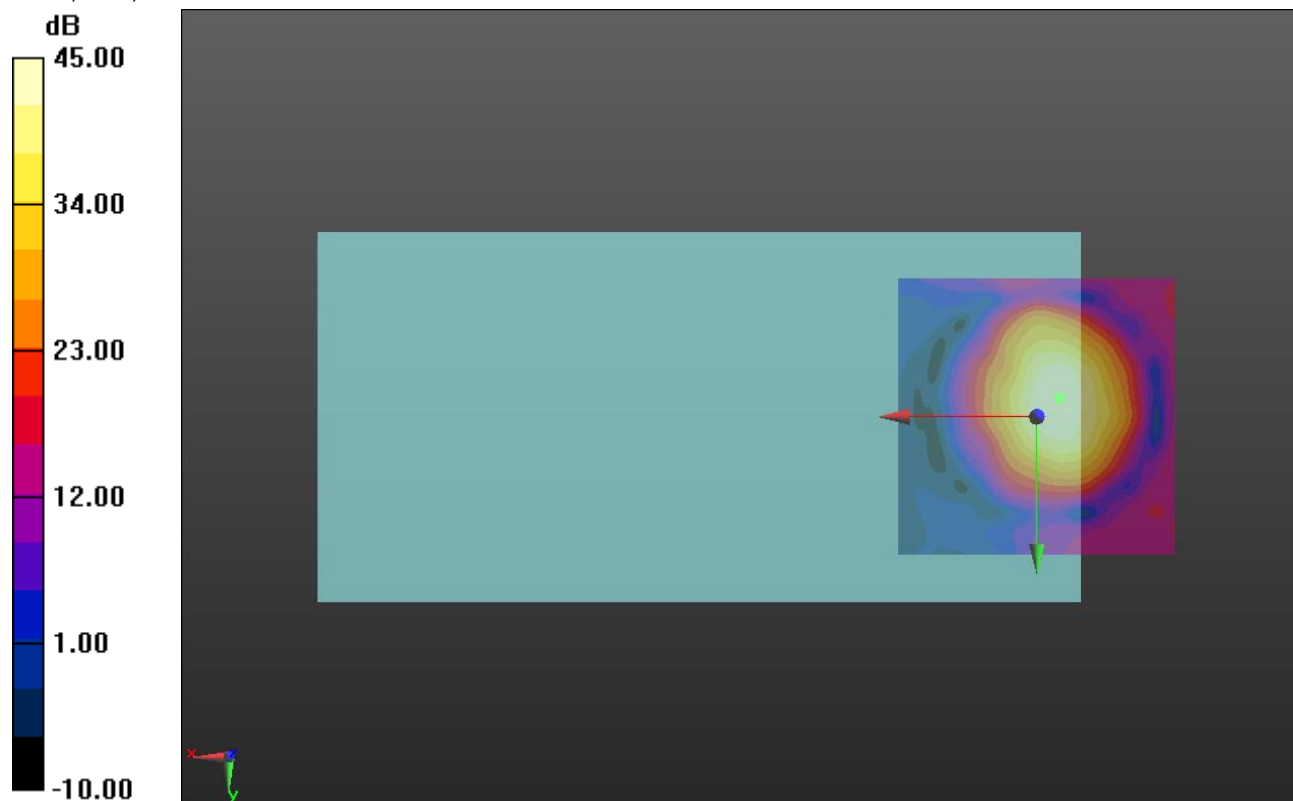
#### Cursor:

ABM1/ABM2 = 45.95 dB

ABM1 comp = -0.55 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\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

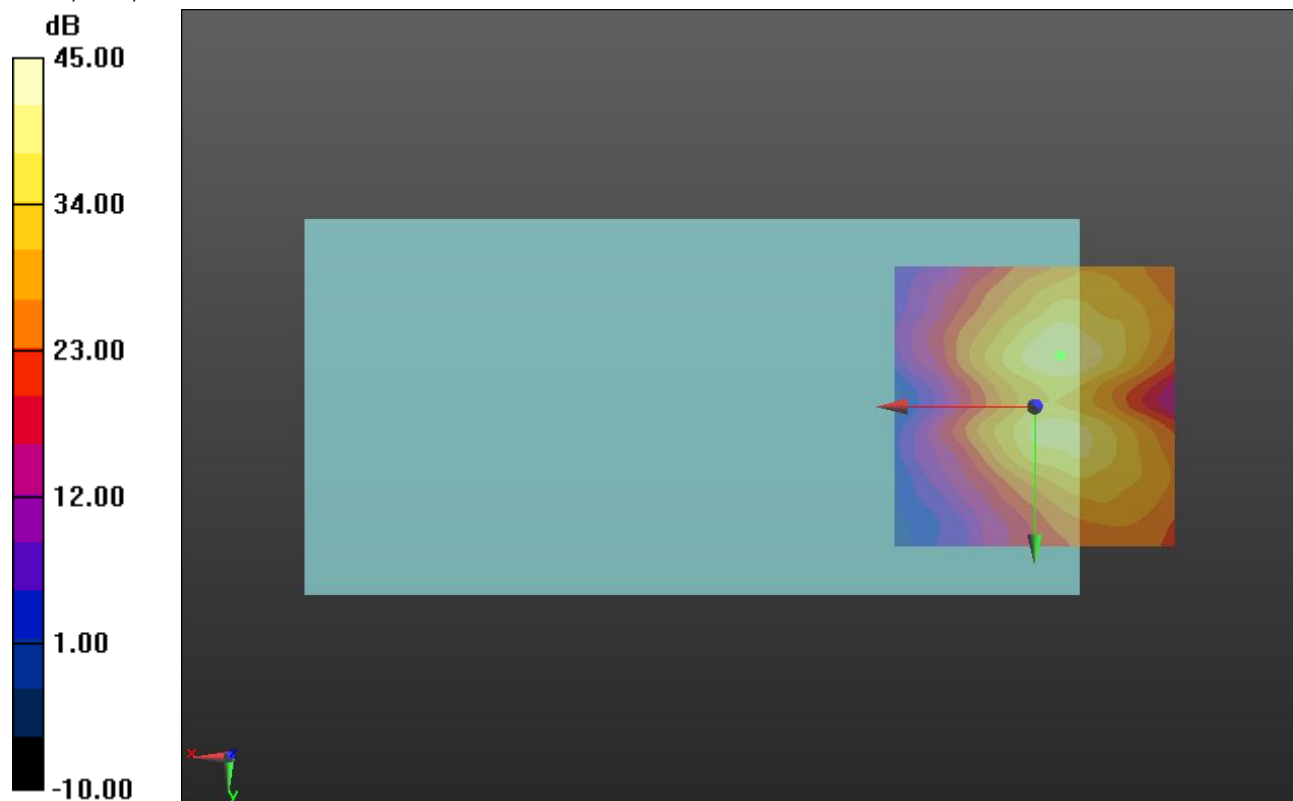
#### Cursor:

ABM1/ABM2 = 41.02 dB

ABM1 comp = -7.76 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -9.2, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

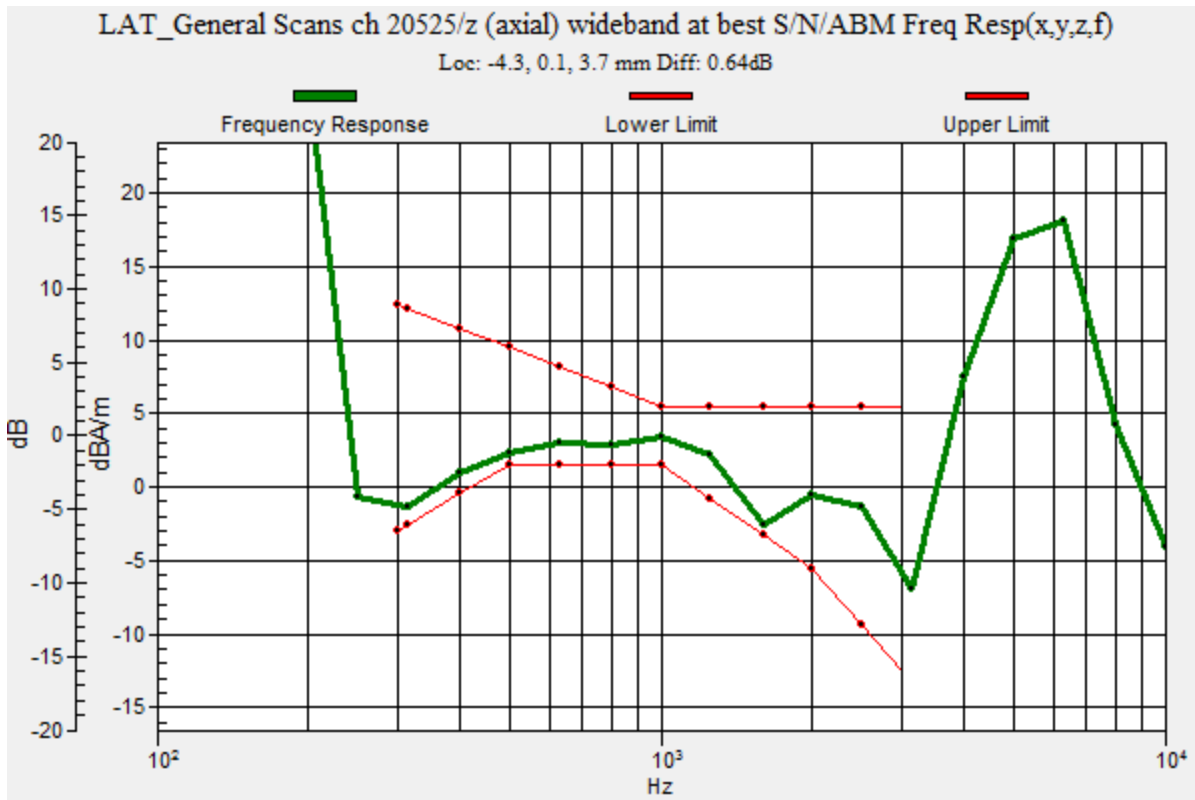
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.64 dB

BWC Factor = 10.80 dB

Location: -4.3, 0.1, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

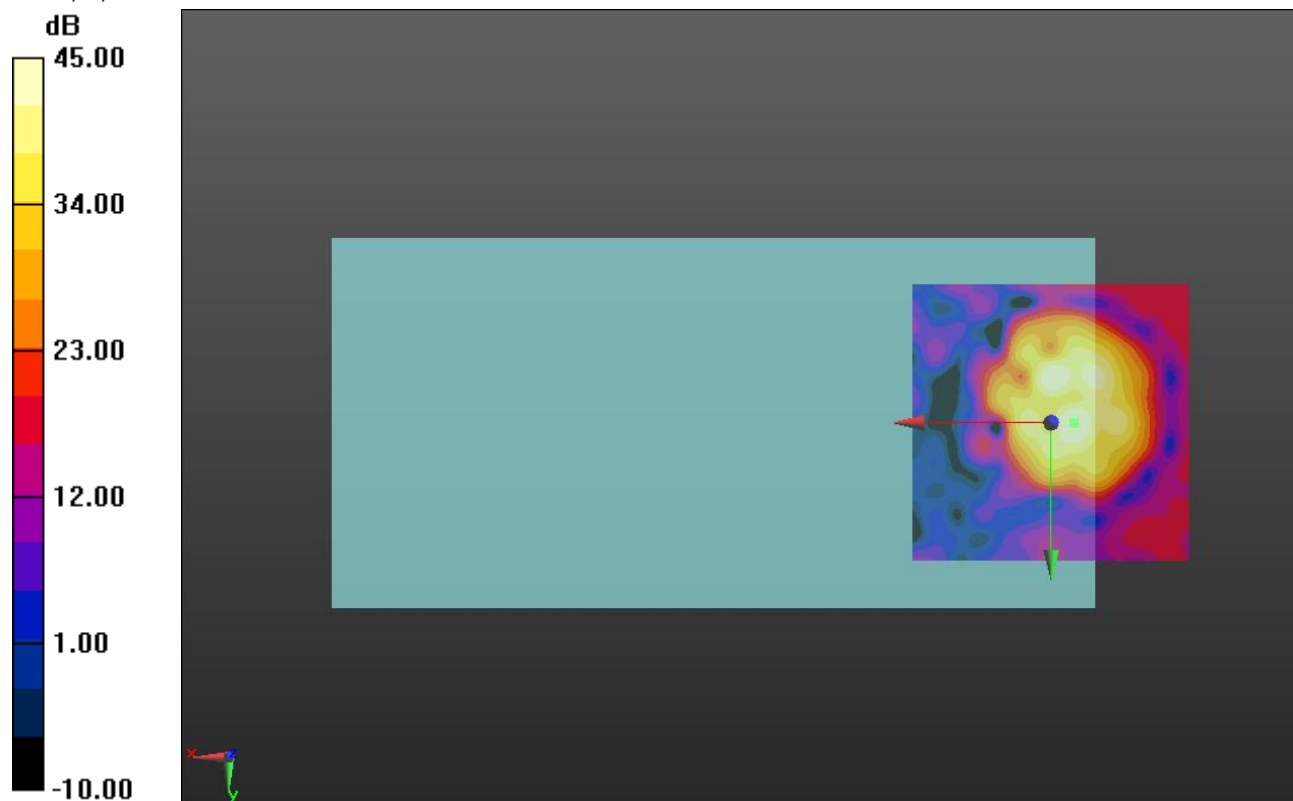
#### Cursor:

ABM1/ABM2 = 46.62 dB

ABM1 comp = -0.85 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 0, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

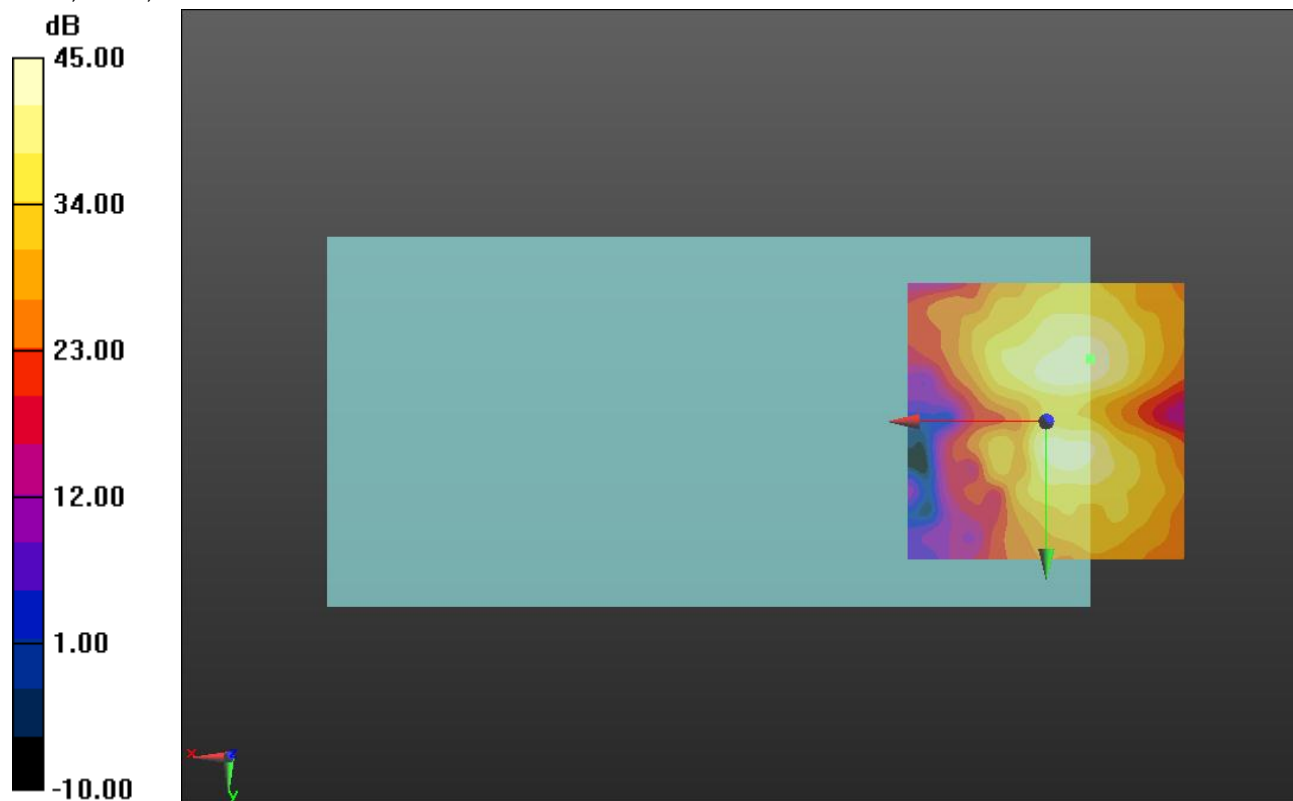
#### Cursor:

ABM1/ABM2 = 43.61 dB

ABM1 comp = -9.21 dBA/m

BWC Factor = 0.15 dB

Location: -7.9, -11.3, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

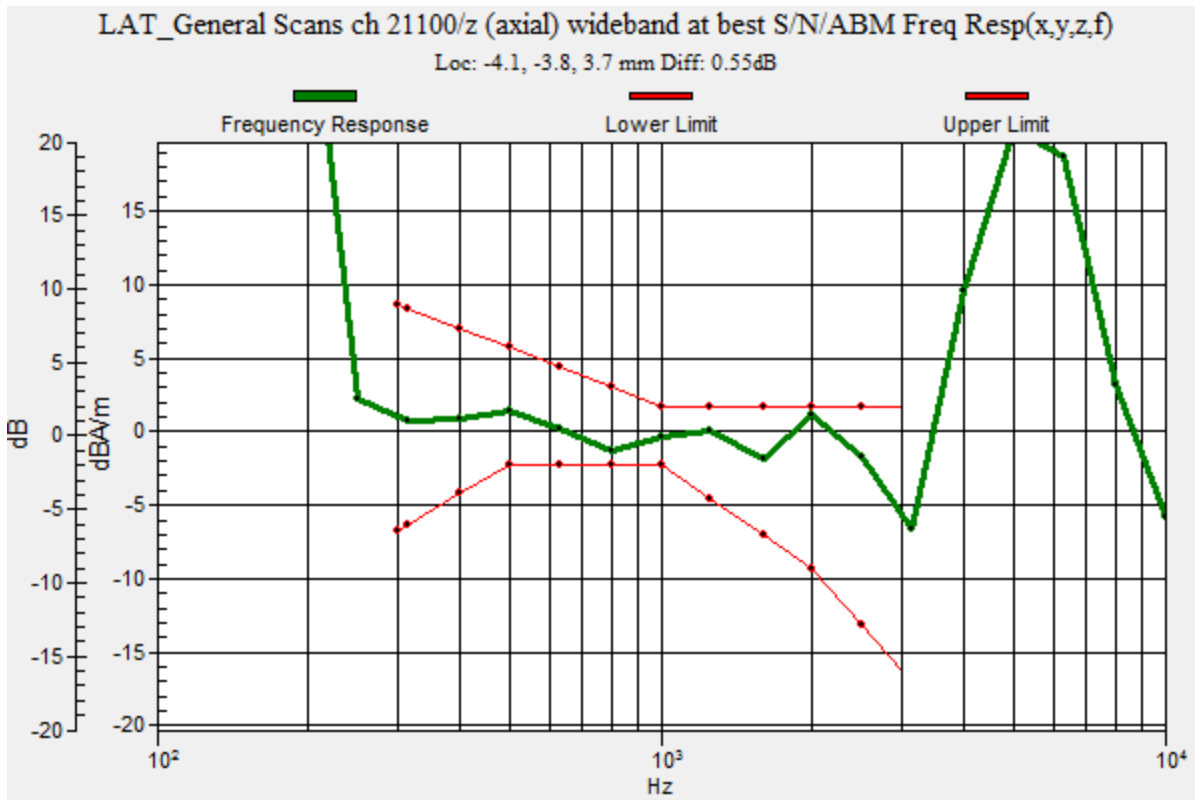
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.55 dB

BWC Factor = 10.80 dB

Location: -4.1, -3.8, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

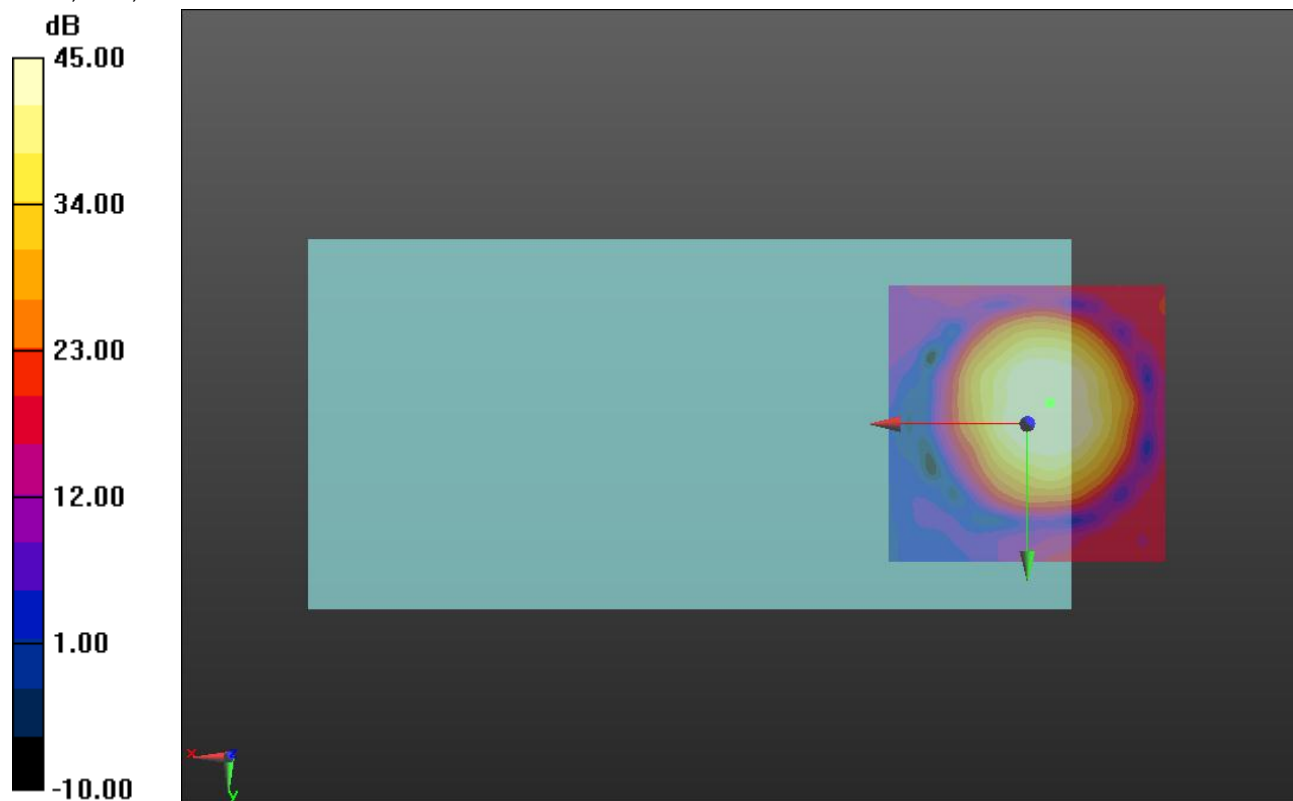
#### Cursor:

ABM1/ABM2 = 48.57 dB

ABM1 comp = 0.74 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -3.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

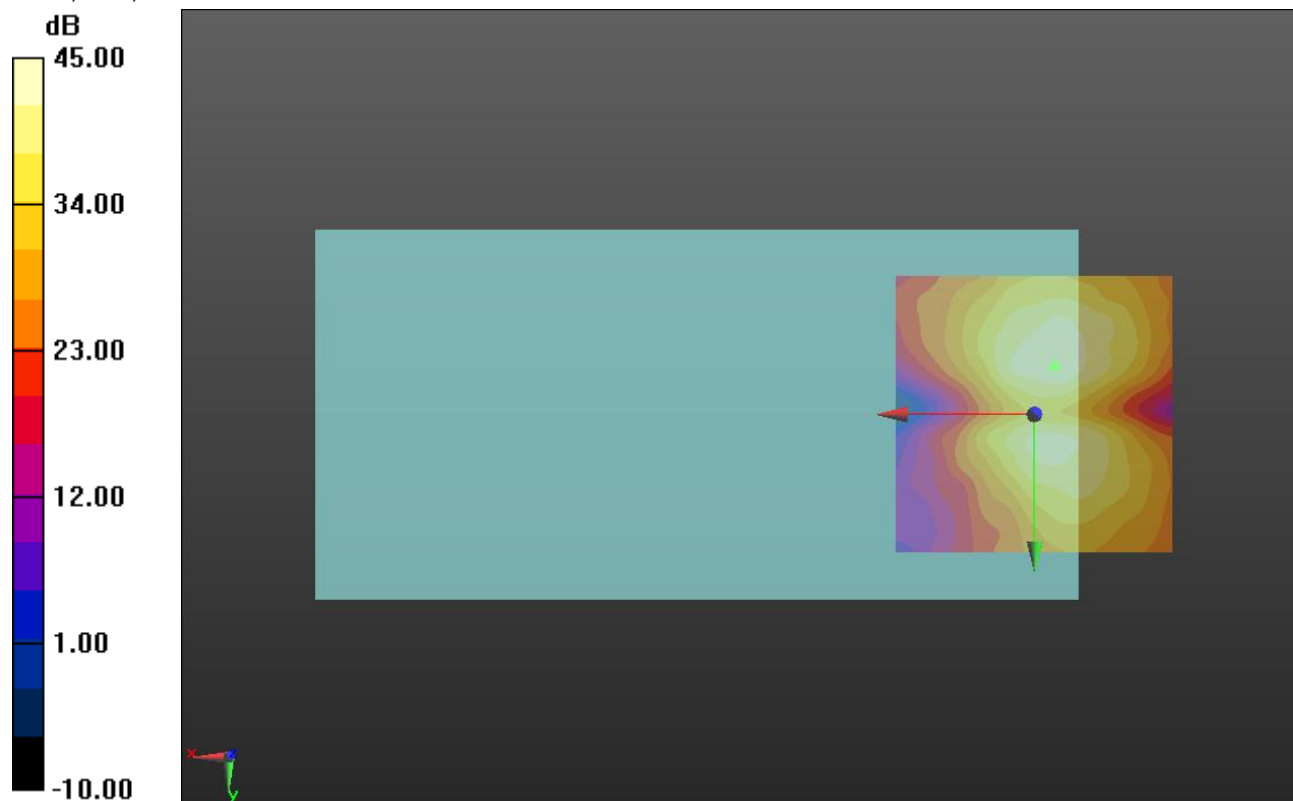
#### Cursor:

ABM1/ABM2 = 44.95 dB

ABM1 comp = -7.18 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -8.8, 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

### 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

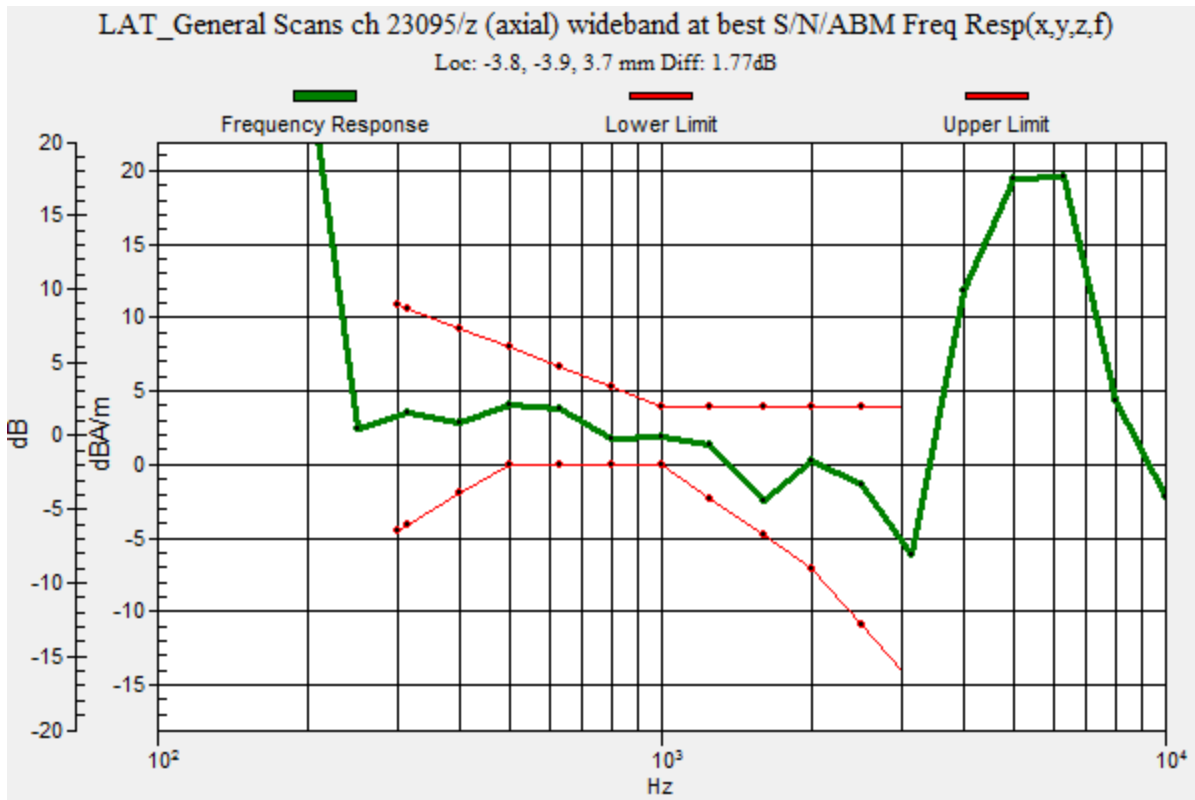
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.77 dB

BWC Factor = 10.80 dB

Location: -3.8, -3.9, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

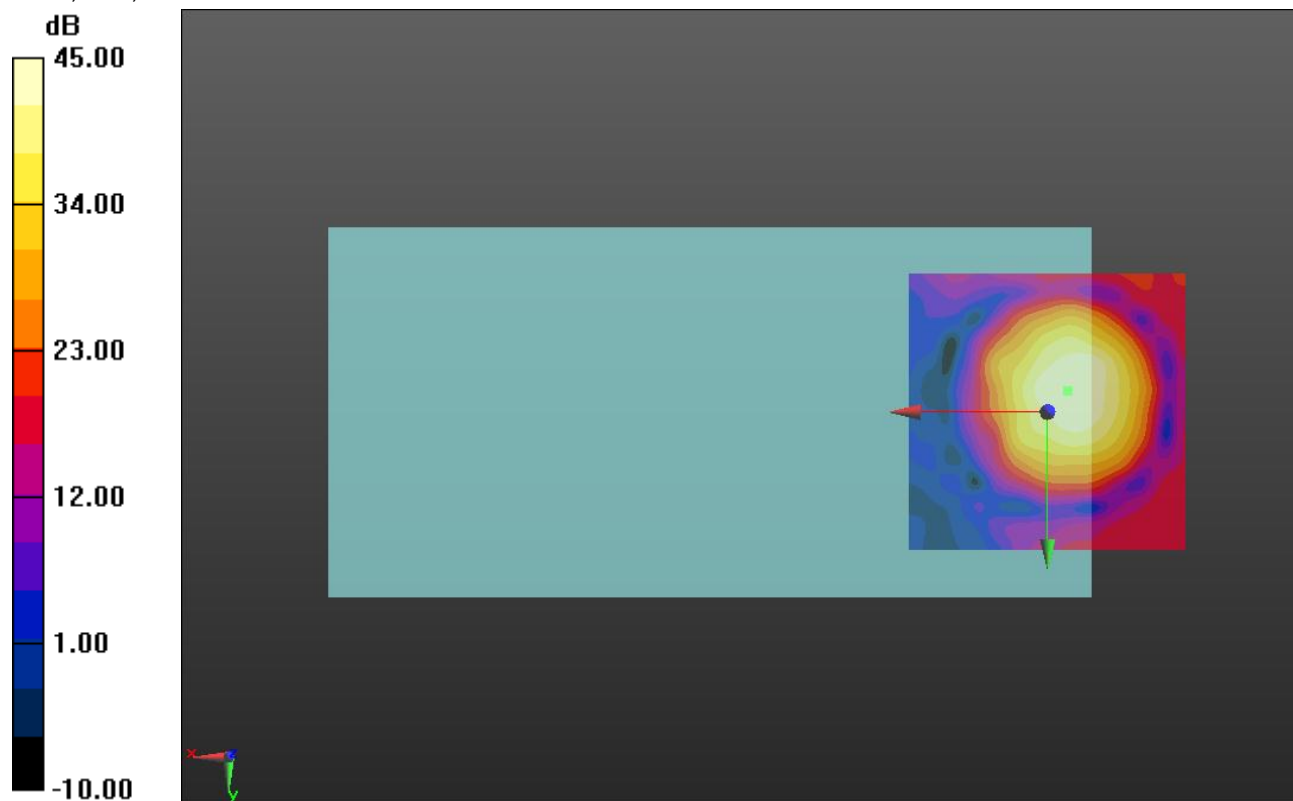
**Cursor:**

ABM1/ABM2 = 45.81 dB

ABM1 comp = 1.16 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -3.8, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

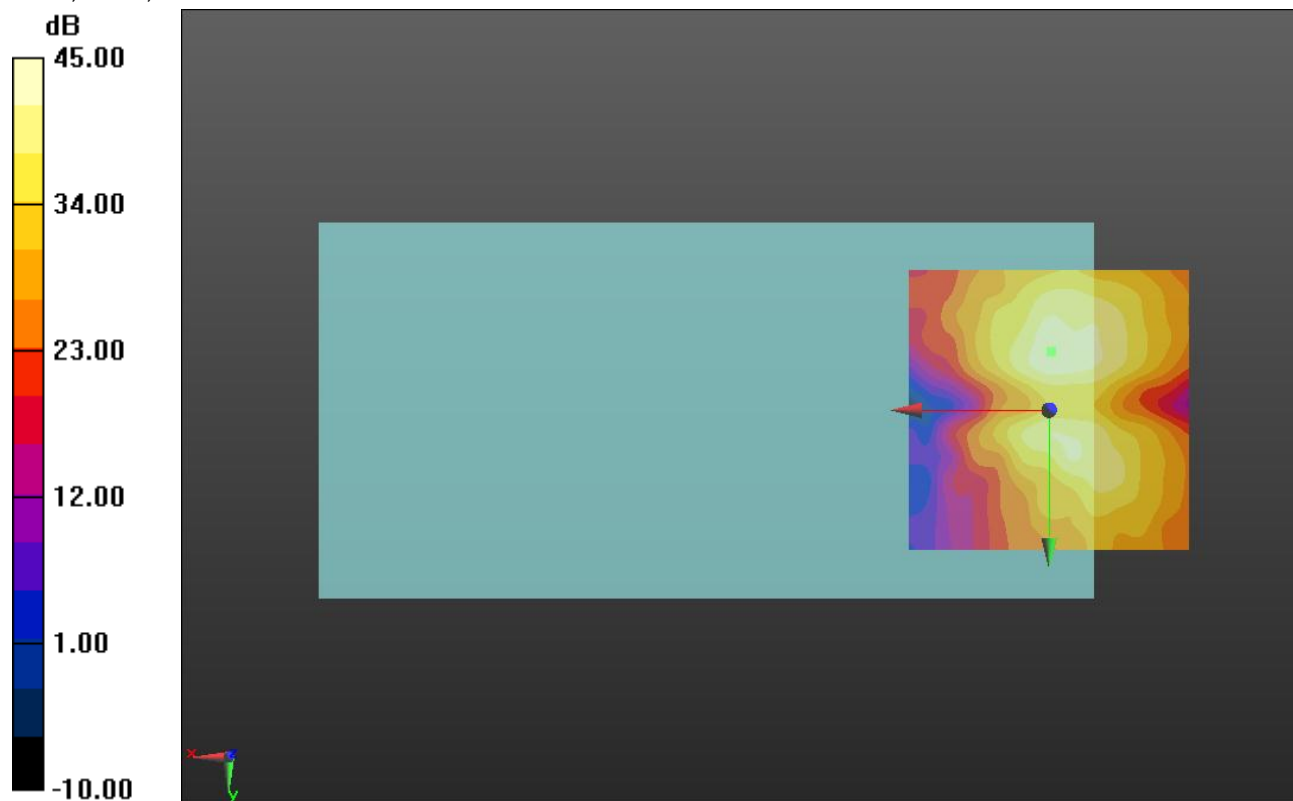
**Cursor:**

ABM1/ABM2 = 44.28 dB

ABM1 comp = -6.04 dBA/m

BWC Factor = 0.15 dB

Location: -0.4, -10.4, 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

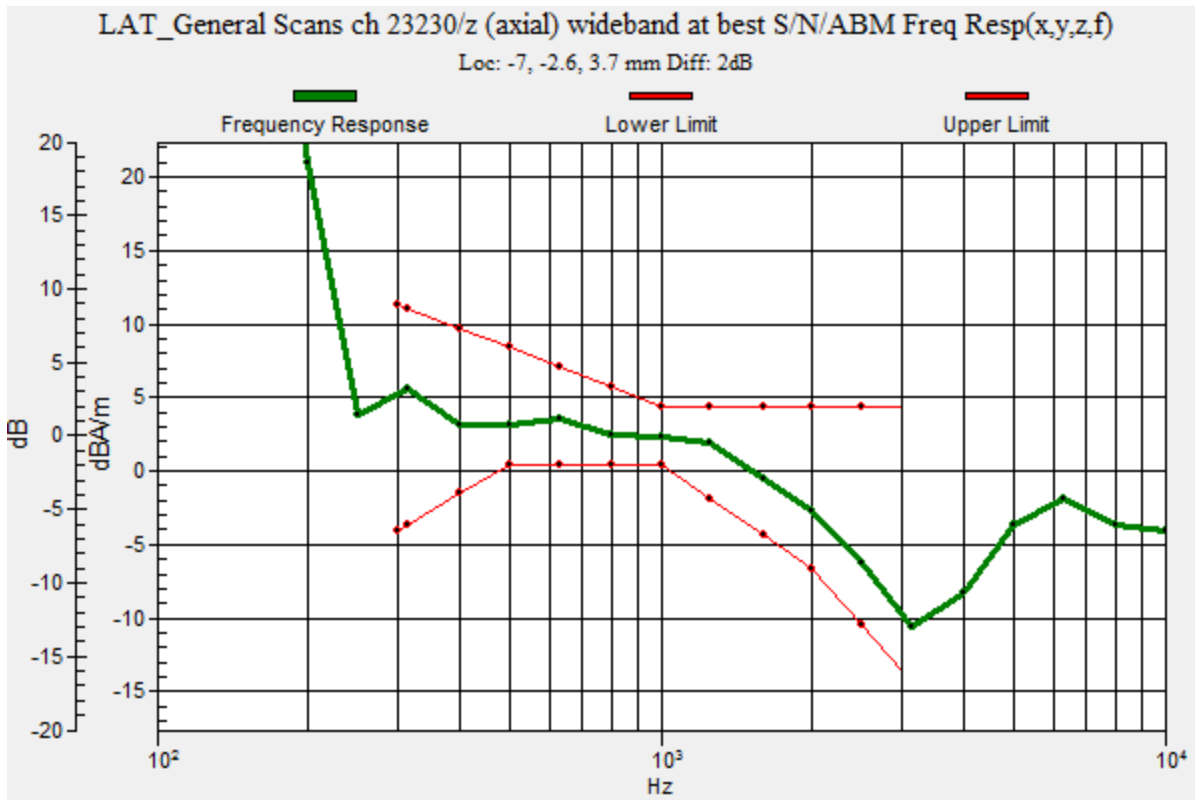
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -7, -2.6, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

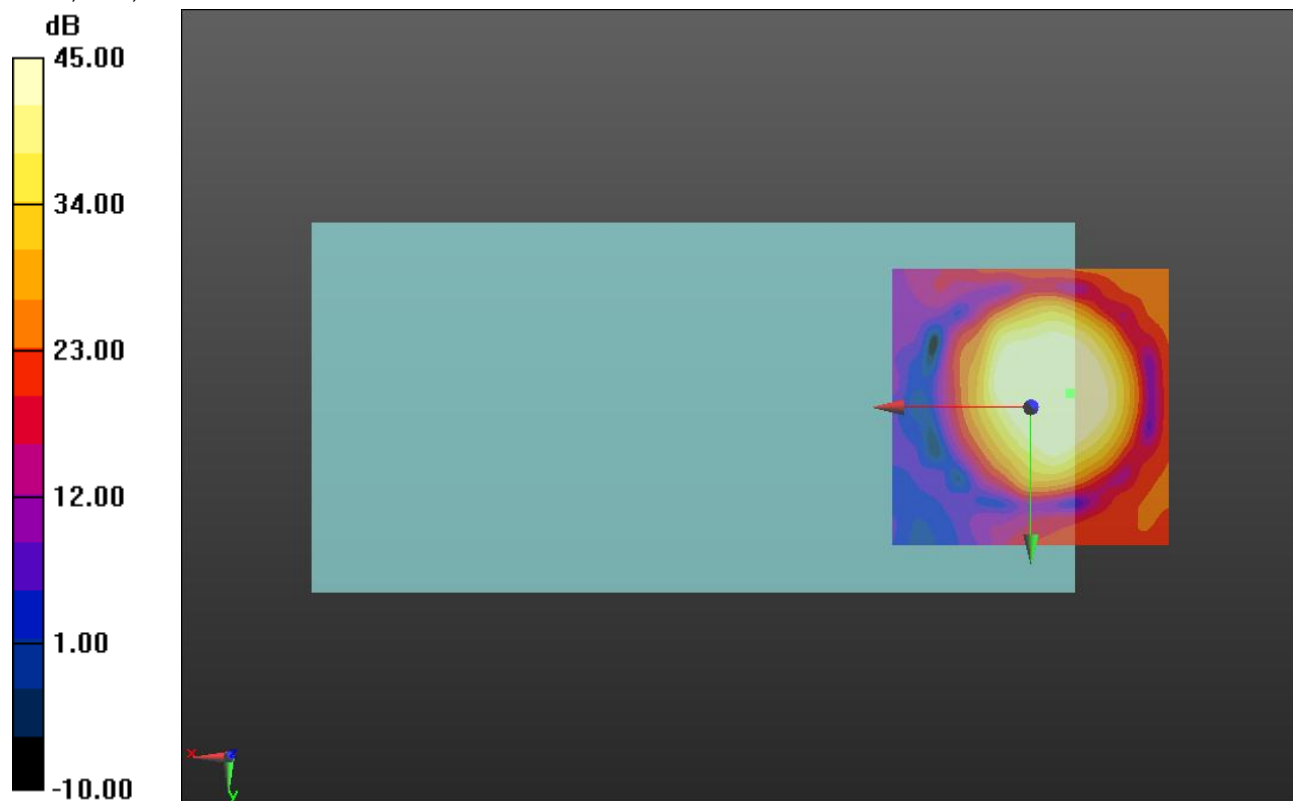
**Cursor:**

ABM1/ABM2 = 51.03 dB

ABM1 comp = 2.24 dBA/m

BWC Factor = 0.16 dB

Location: -7.1, -2.5, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

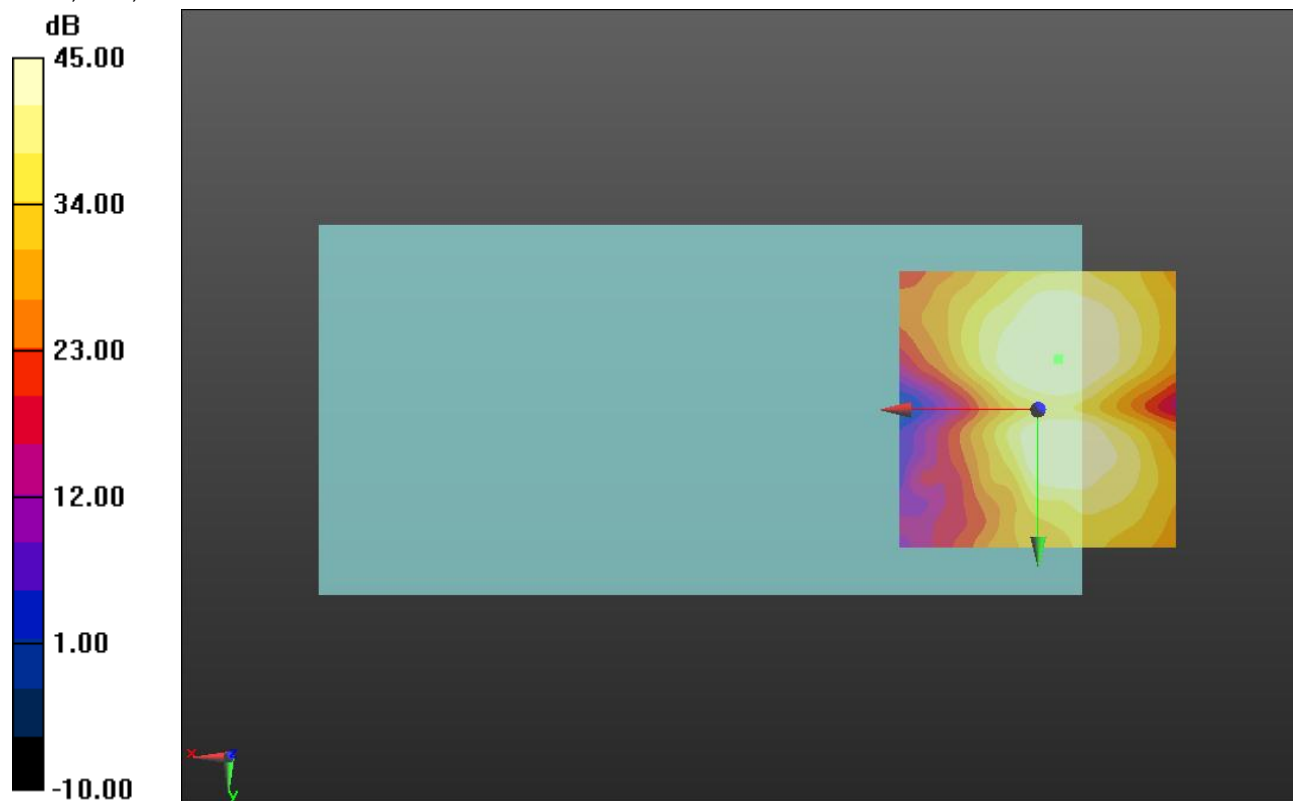
#### Cursor:

ABM1/ABM2 = 49.08 dB

ABM1 comp = -2.27 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -9.2, 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

### 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

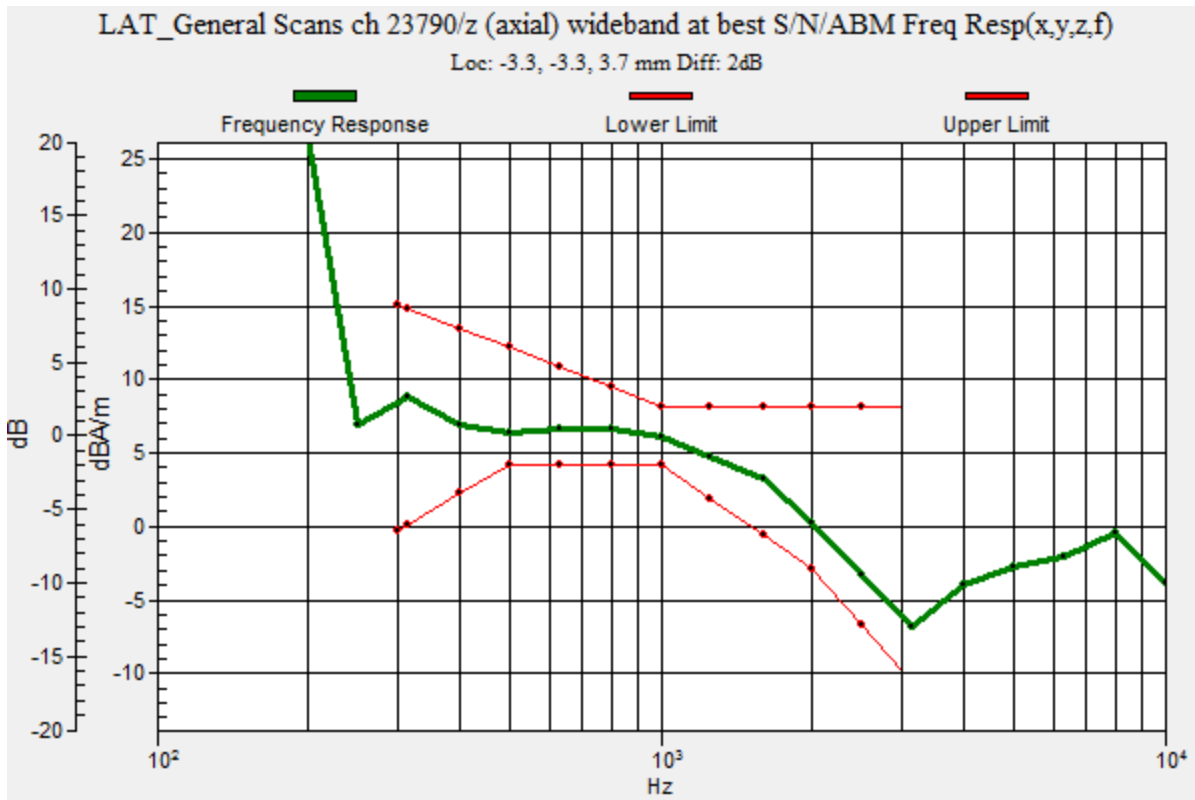
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -3.3, -3.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

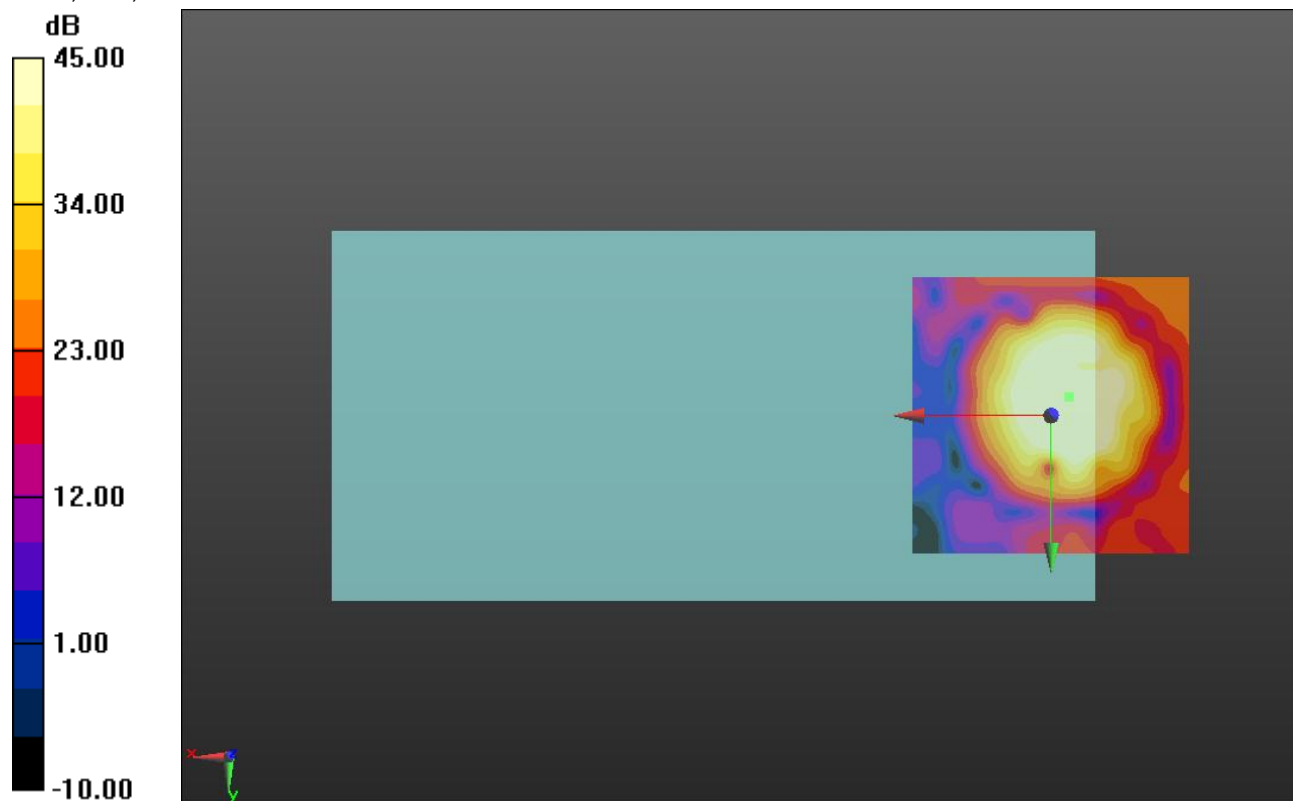
#### Cursor:

ABM1/ABM2 = 52.94 dB

ABM1 comp = 5.63 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -3.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

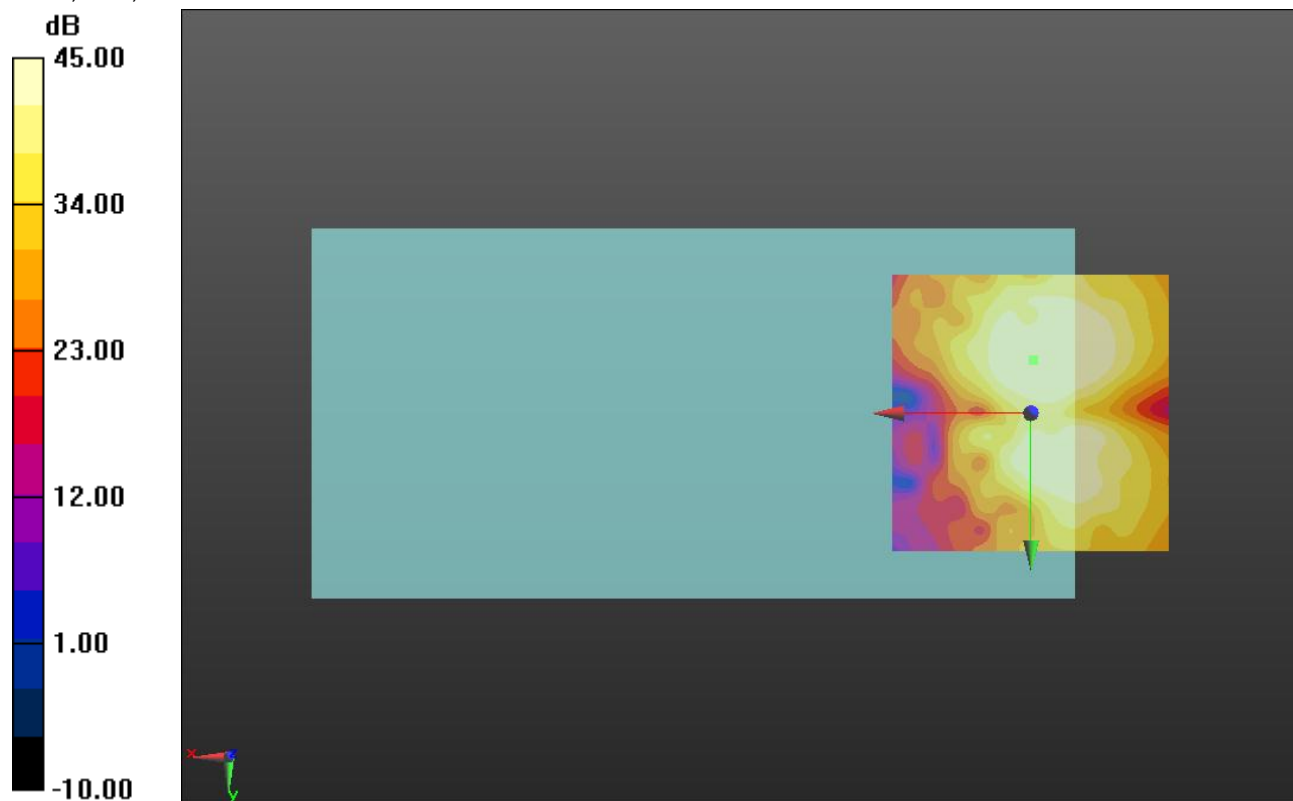
#### Cursor:

ABM1/ABM2 = 48.70 dB

ABM1 comp = -1.79 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, -9.6, 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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

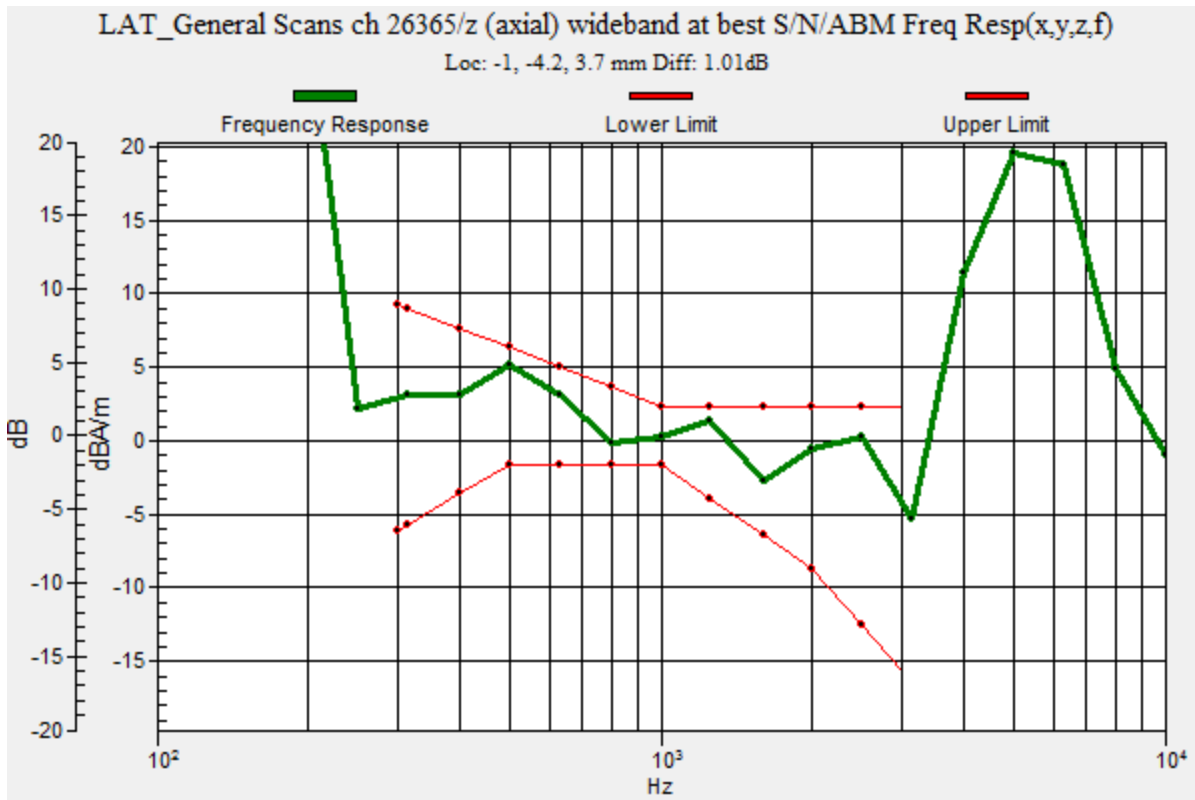
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.01 dB

BWC Factor = 10.80 dB

Location: -1, -4.2, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

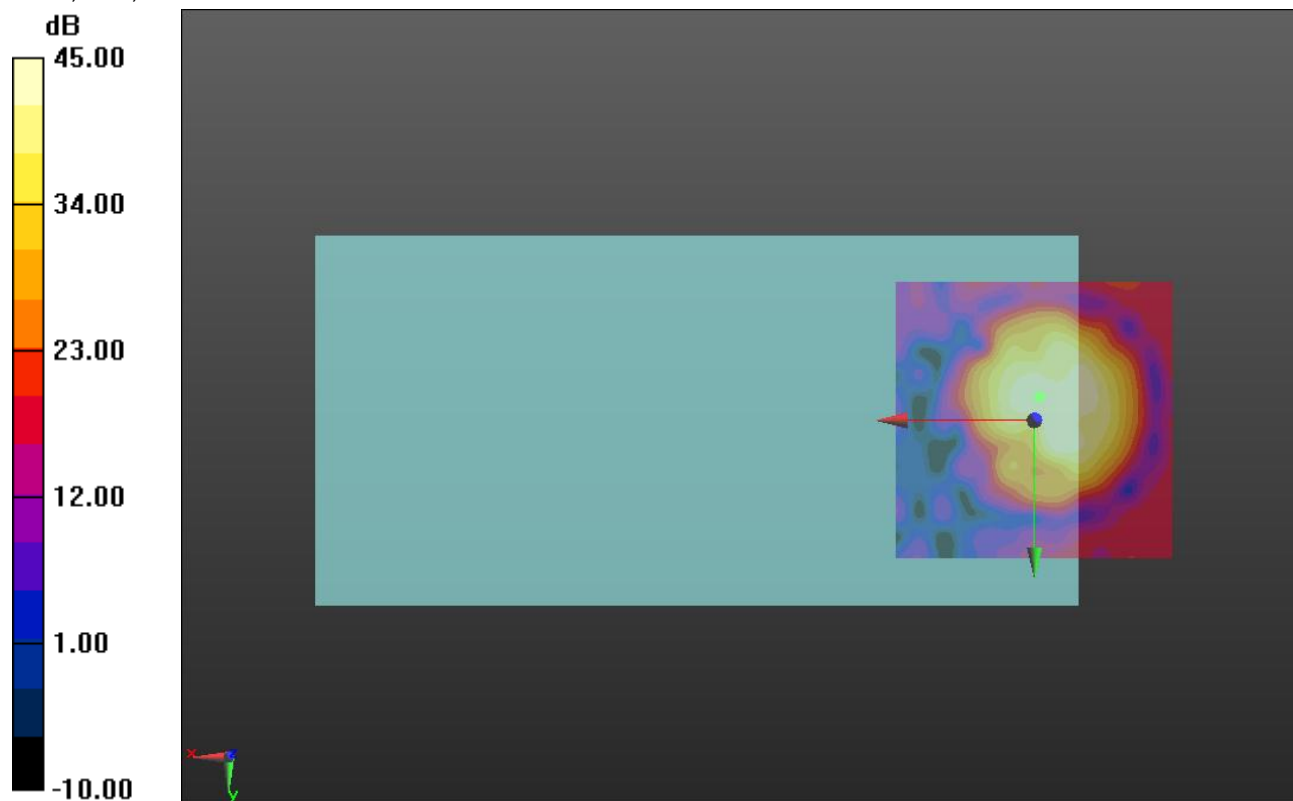
### Cursor:

ABM1/ABM2 = 47.44 dB

ABM1 comp = 1.15 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -4.2, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

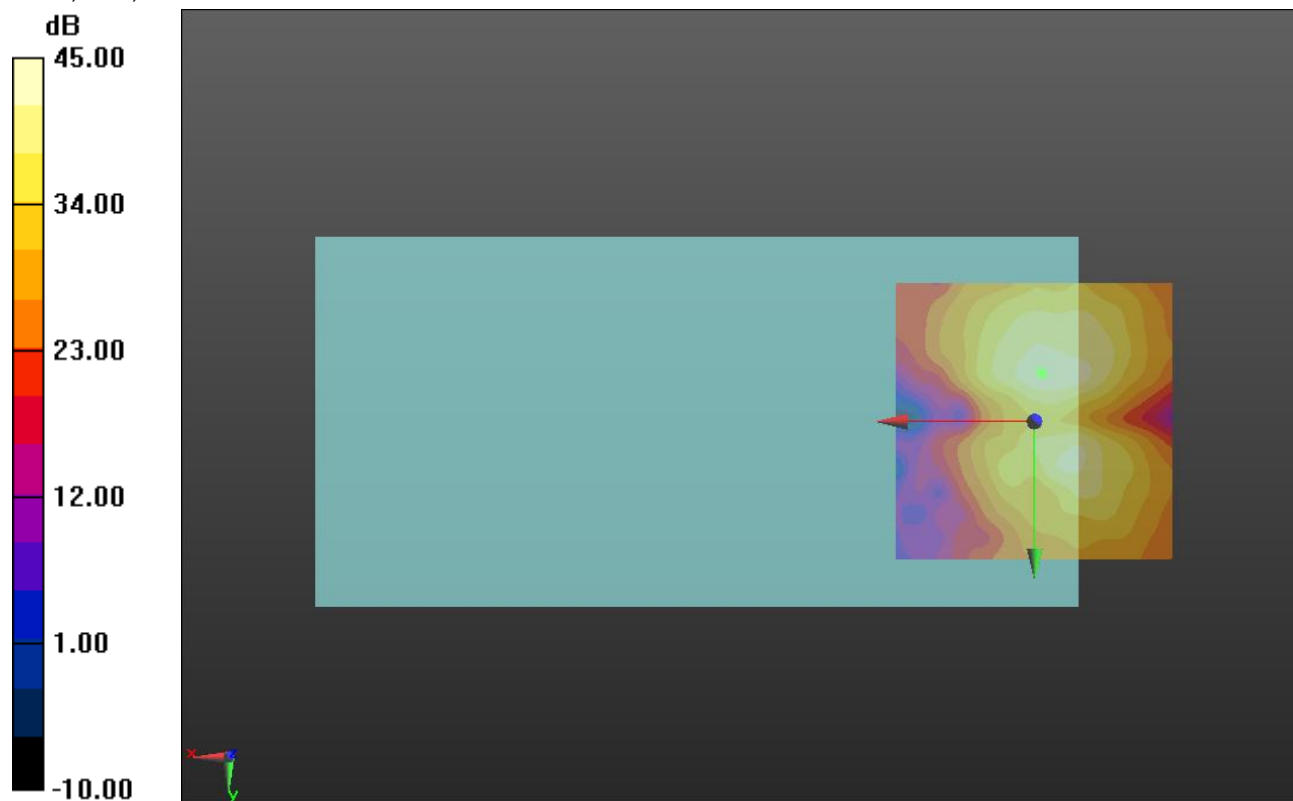
#### Cursor:

ABM1/ABM2 = 44.20 dB

ABM1 comp = -6.76 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 26\_Narrowband

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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

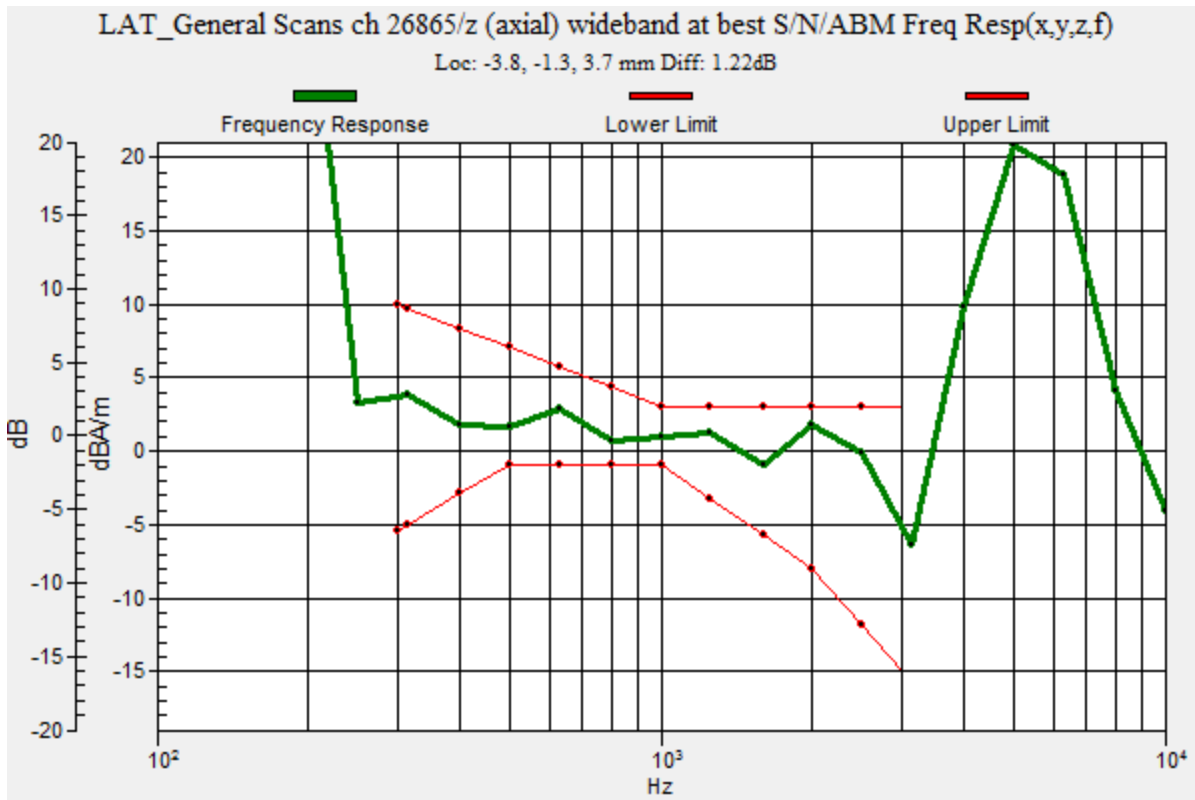
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.22 dB

BWC Factor = 10.80 dB

Location: -3.8, -1.3, 3.7 mm



### LTE Band 26\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

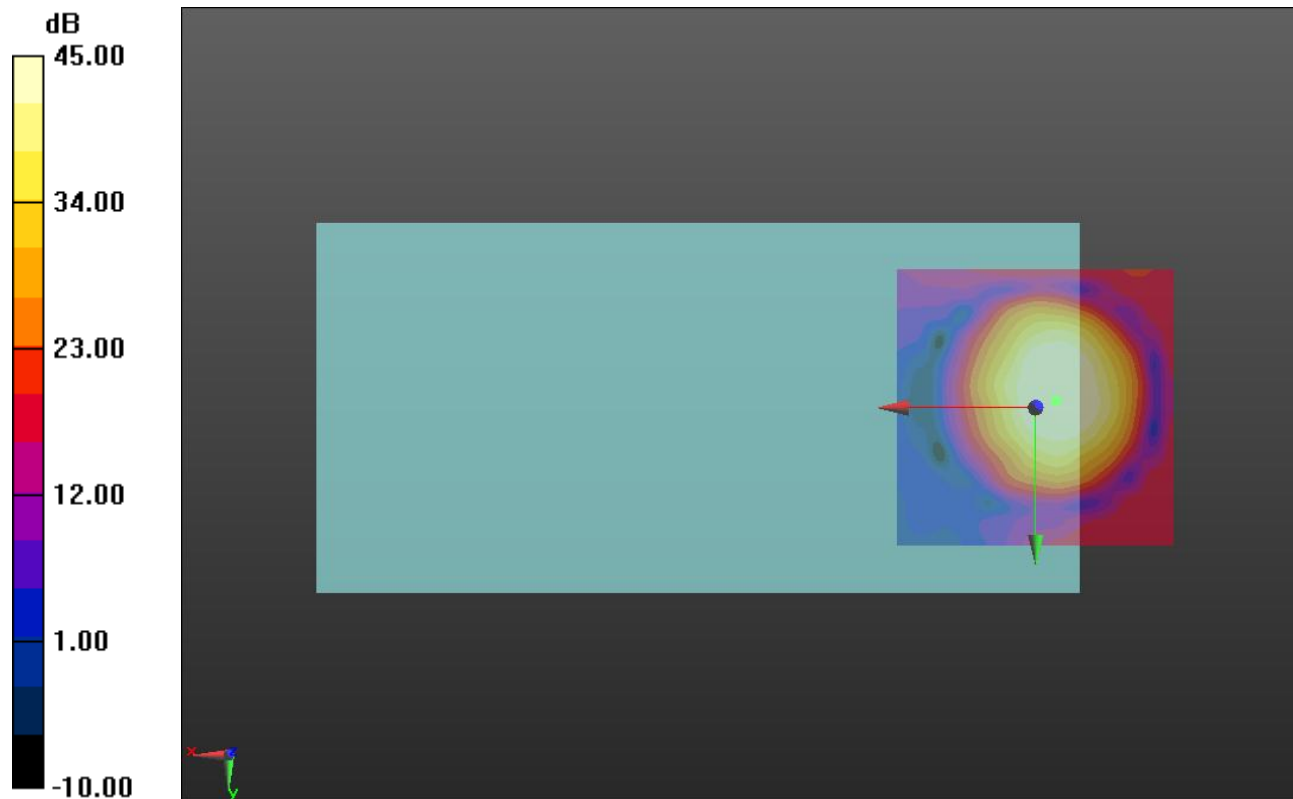
**Cursor:**

ABM1/ABM2 = 47.72 dB

ABM1 comp = 0.32 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -1.3, 3.7 mm



0 dB = 1.000 = 0.00 dB



### LTE Band 26\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

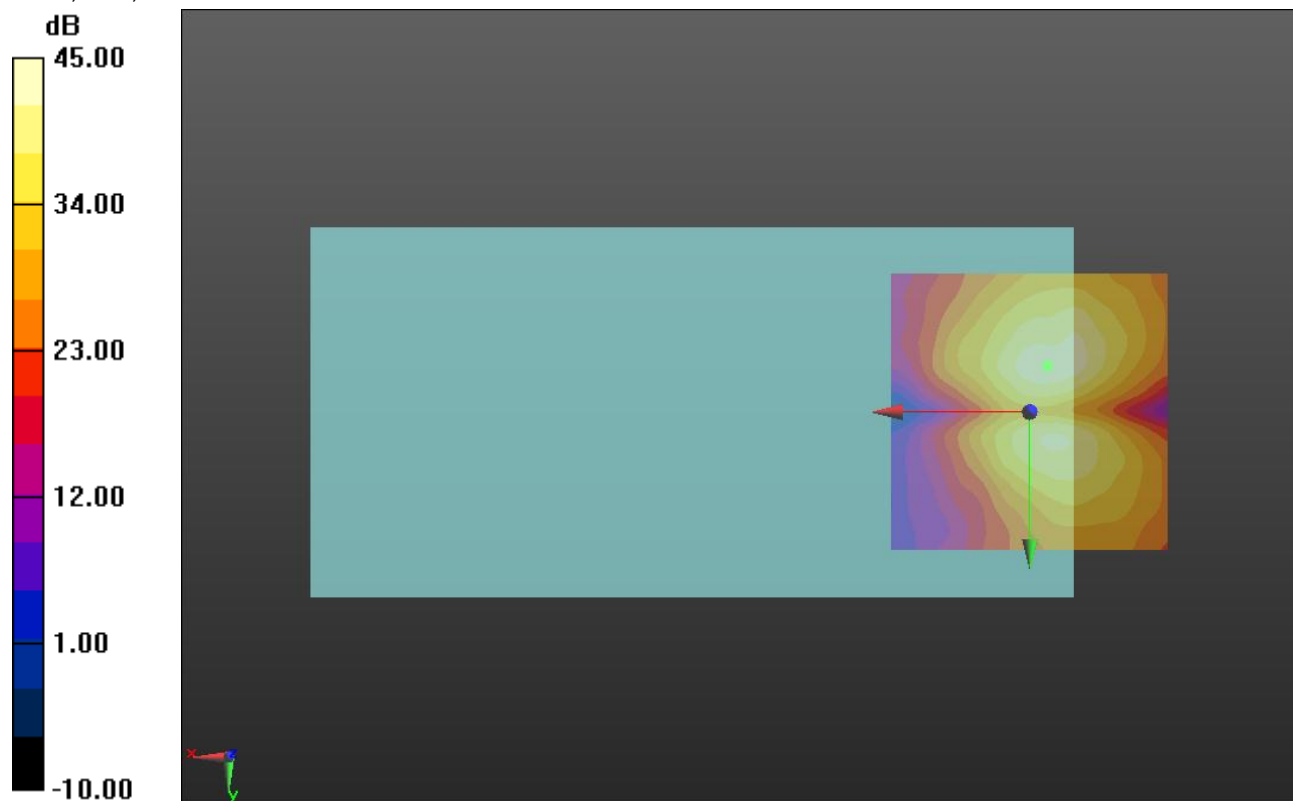
#### Cursor:

ABM1/ABM2 = 44.08 dB

ABM1 comp = -7.21 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -8.3, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

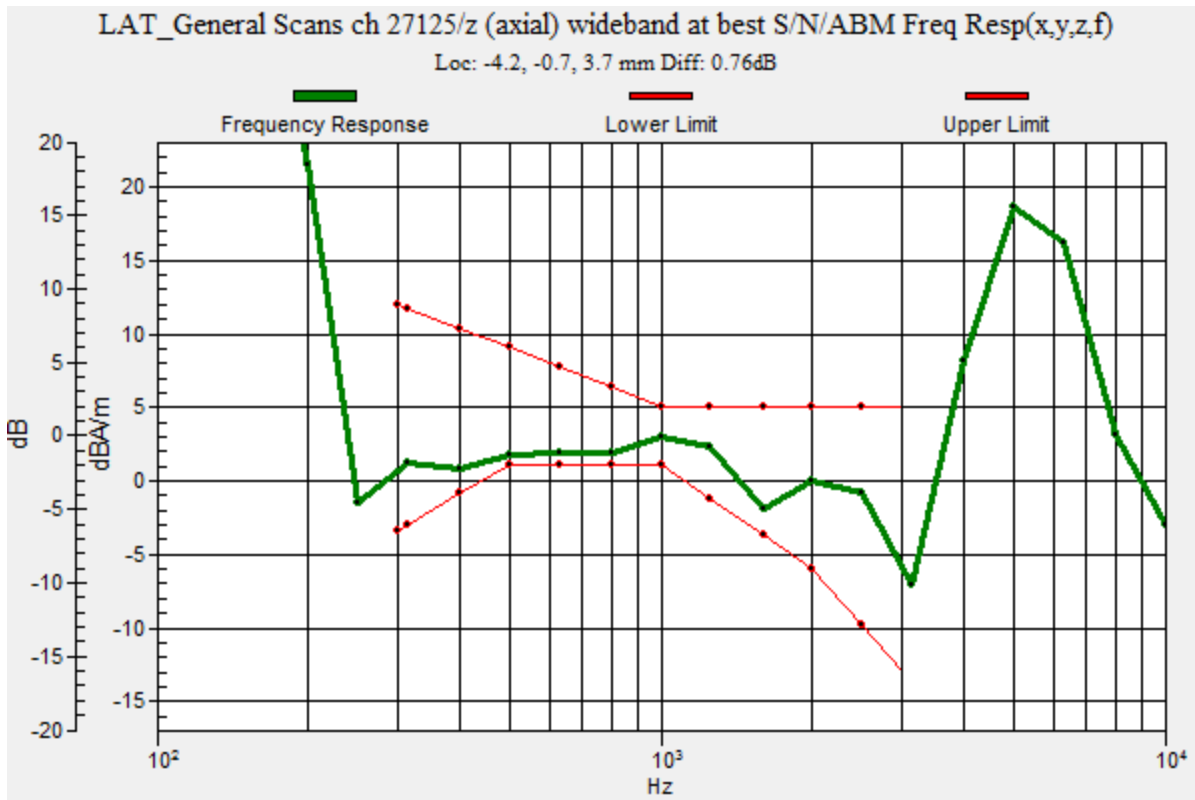
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.76 dB

BWC Factor = 10.80 dB

Location: -4.2, -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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

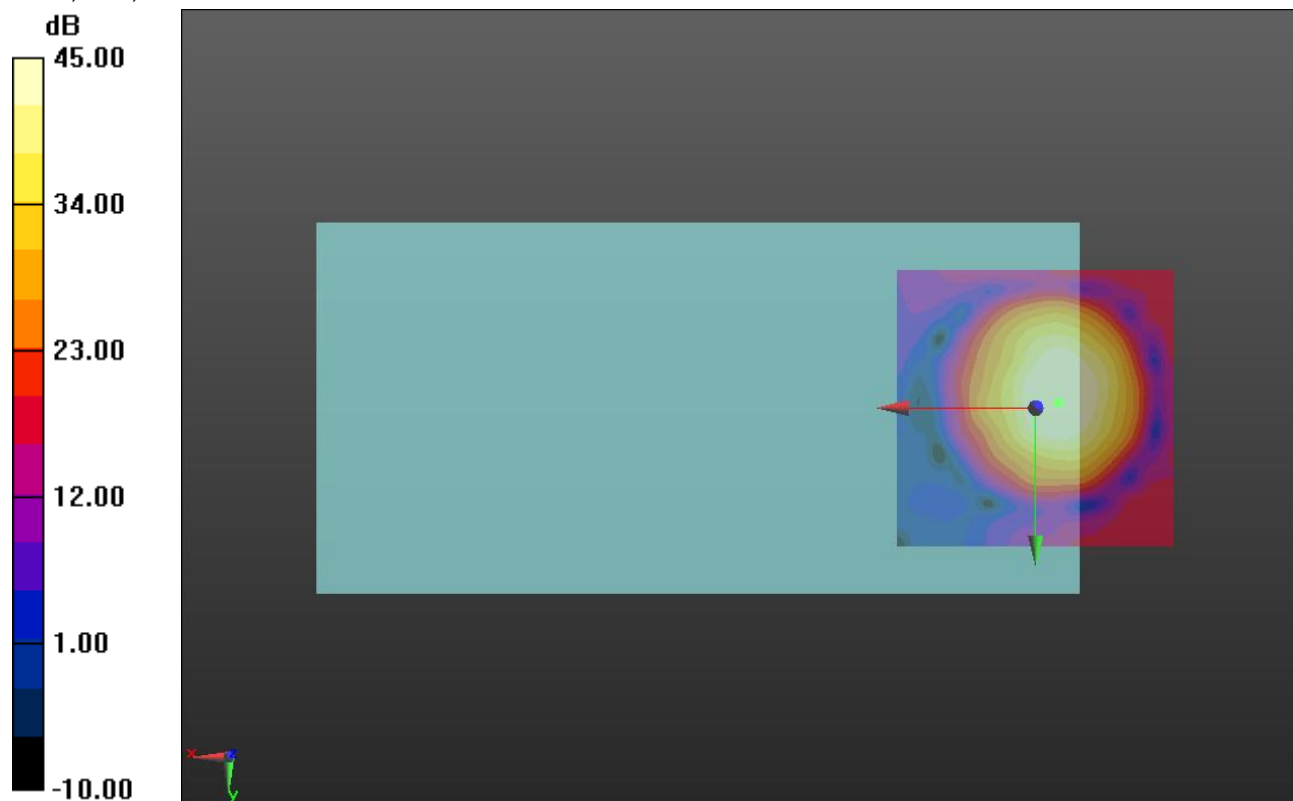
#### Cursor:

ABM1/ABM2 = 46.74 dB

ABM1 comp = -0.71 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -0.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

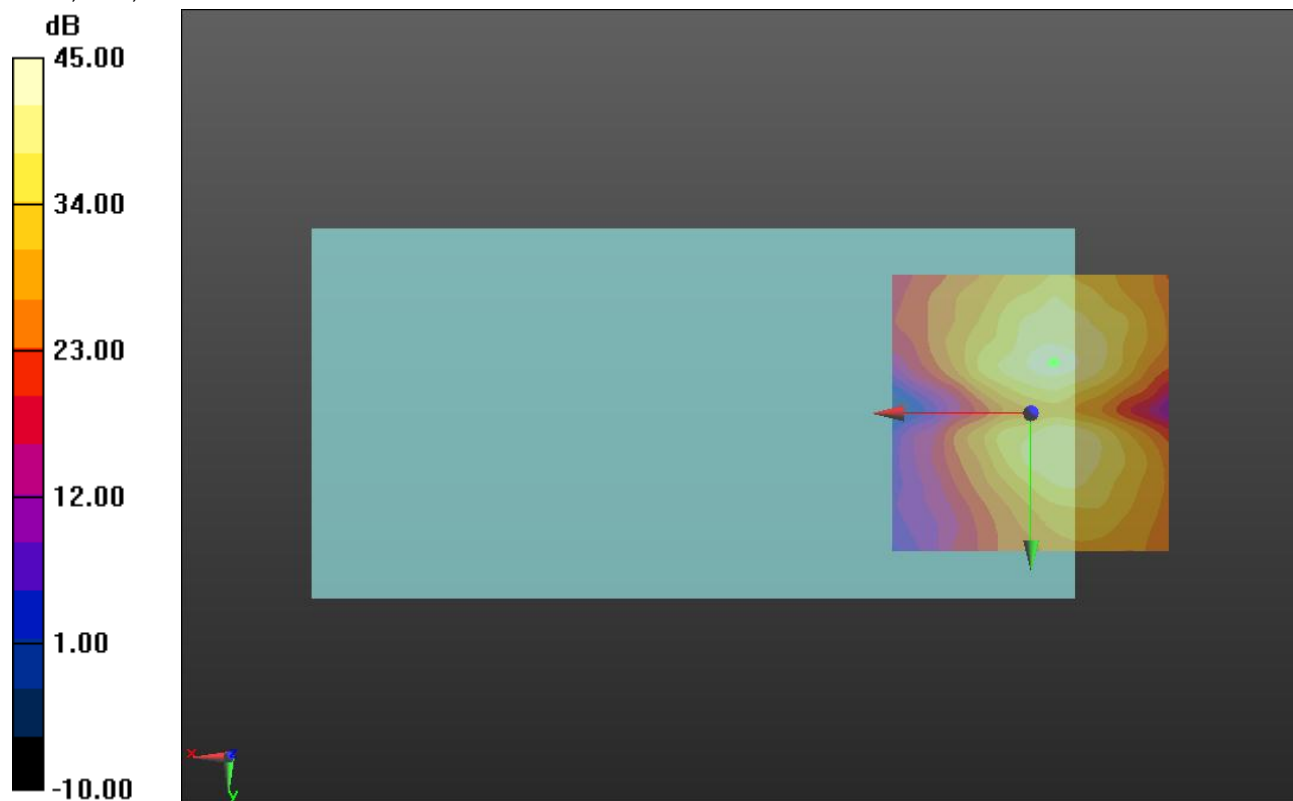
#### Cursor:

ABM1/ABM2 = 42.74 dB

ABM1 comp = -8.44 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.2, 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)/LAT\_General Scans ch 27710/z (axial) wideband at best S/N/ABM Freq Resp(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

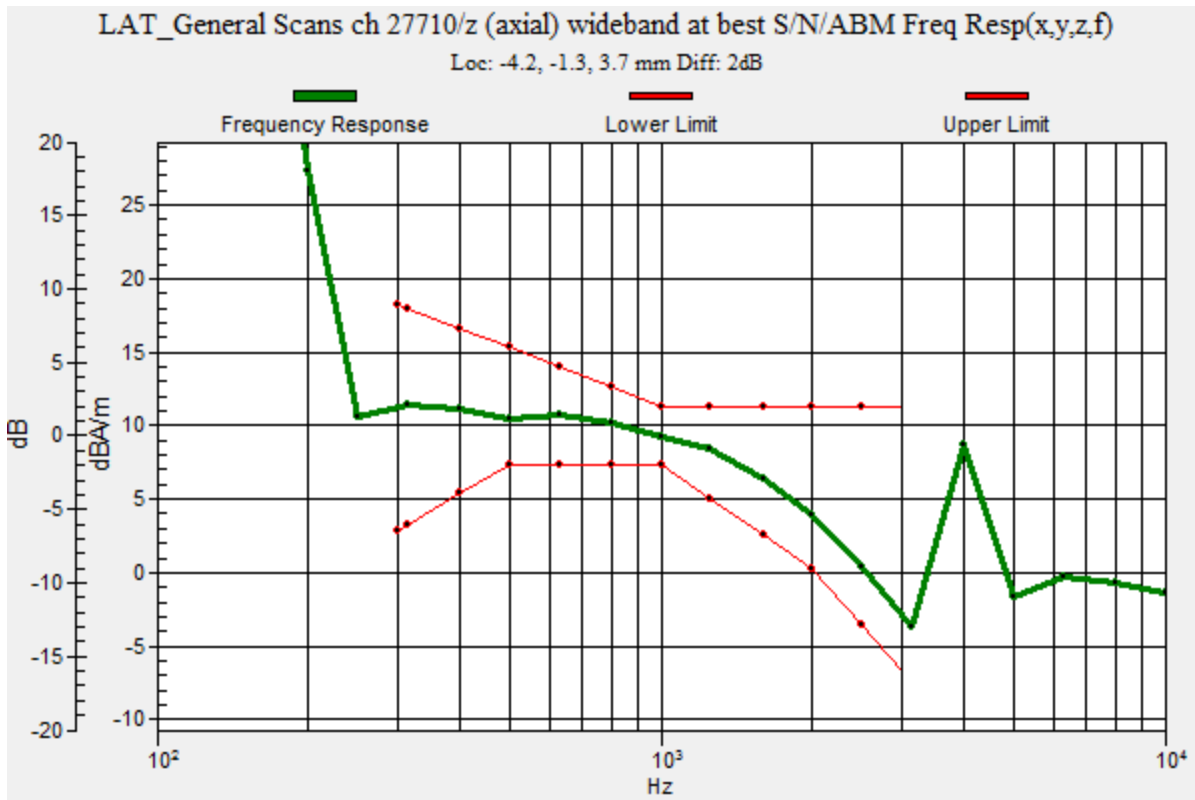
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.2, -1.3, 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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

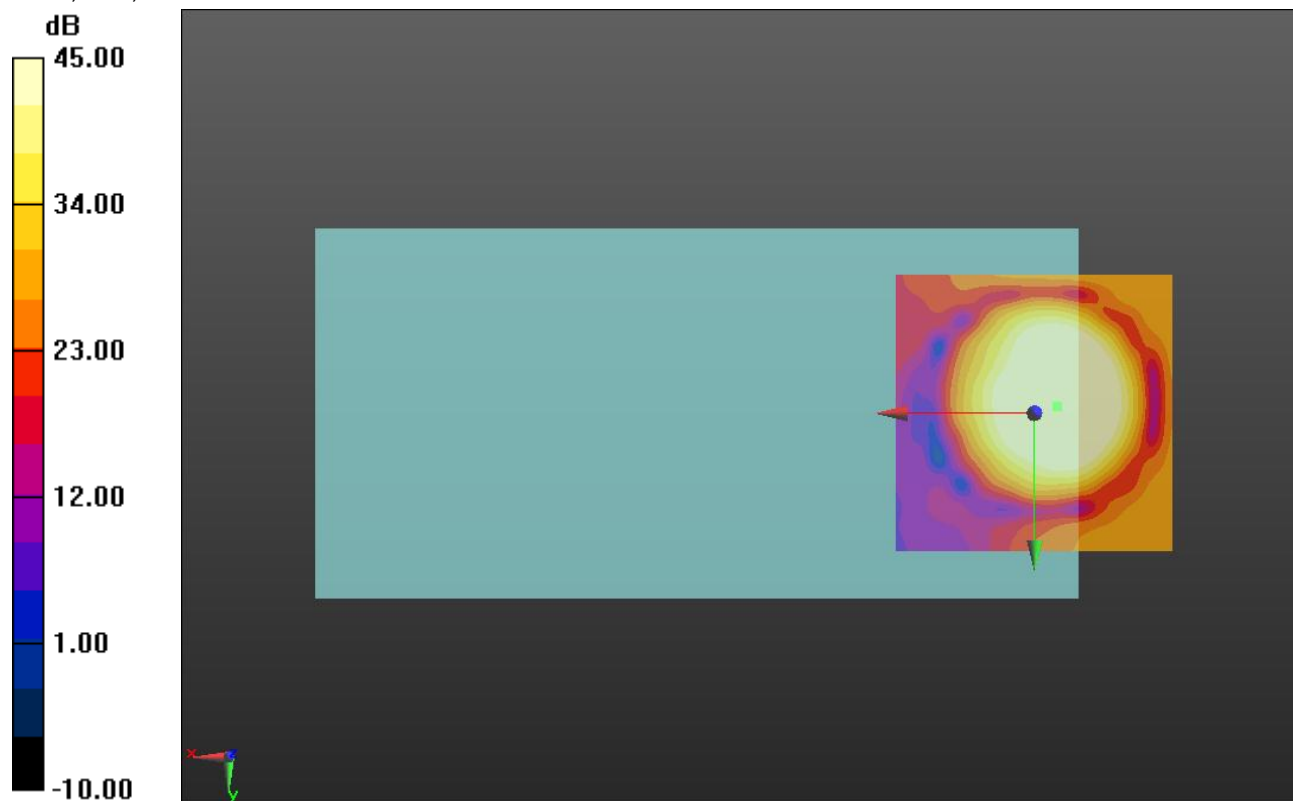
**Cursor:**

ABM1/ABM2 = 57.51 dB

ABM1 comp = 10.08 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -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: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

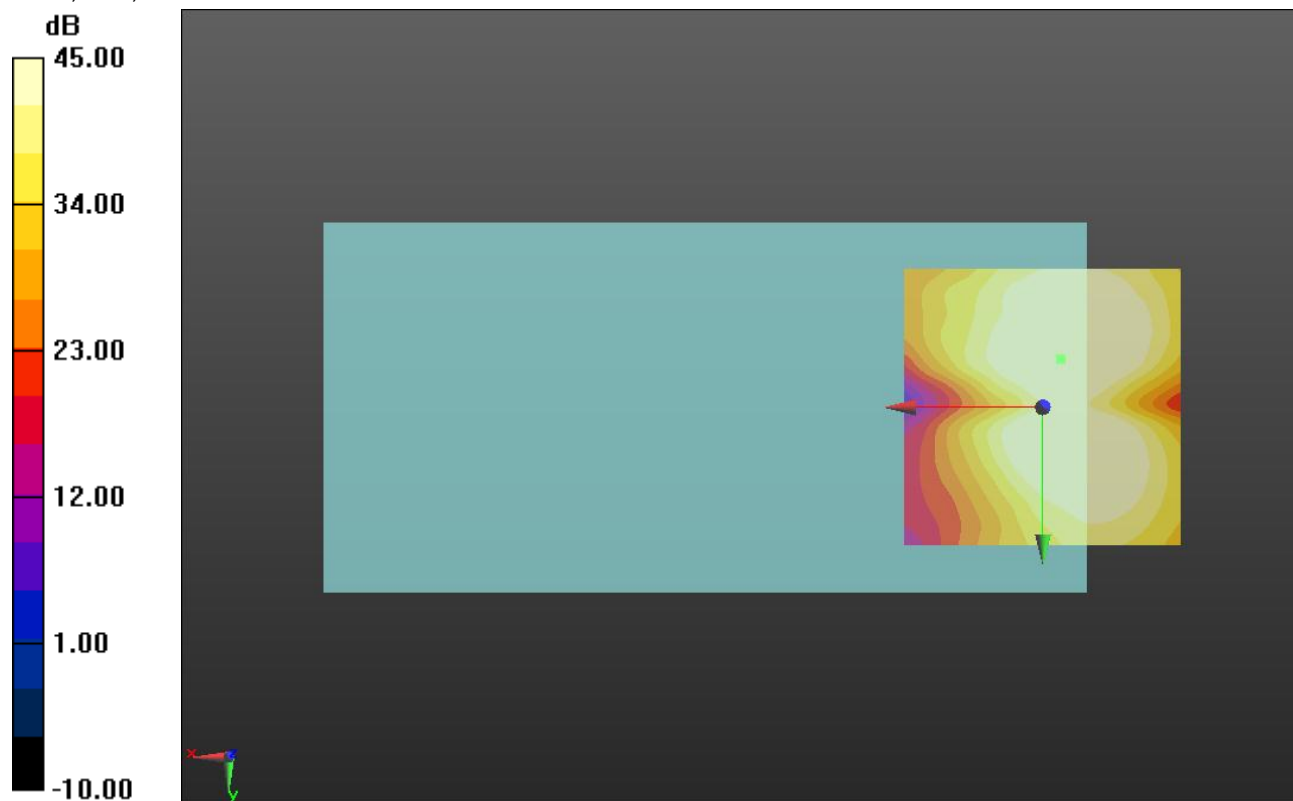
#### Cursor:

ABM1/ABM2 = 54.06 dB

ABM1 comp = 2.69 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -8.8, 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

### 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

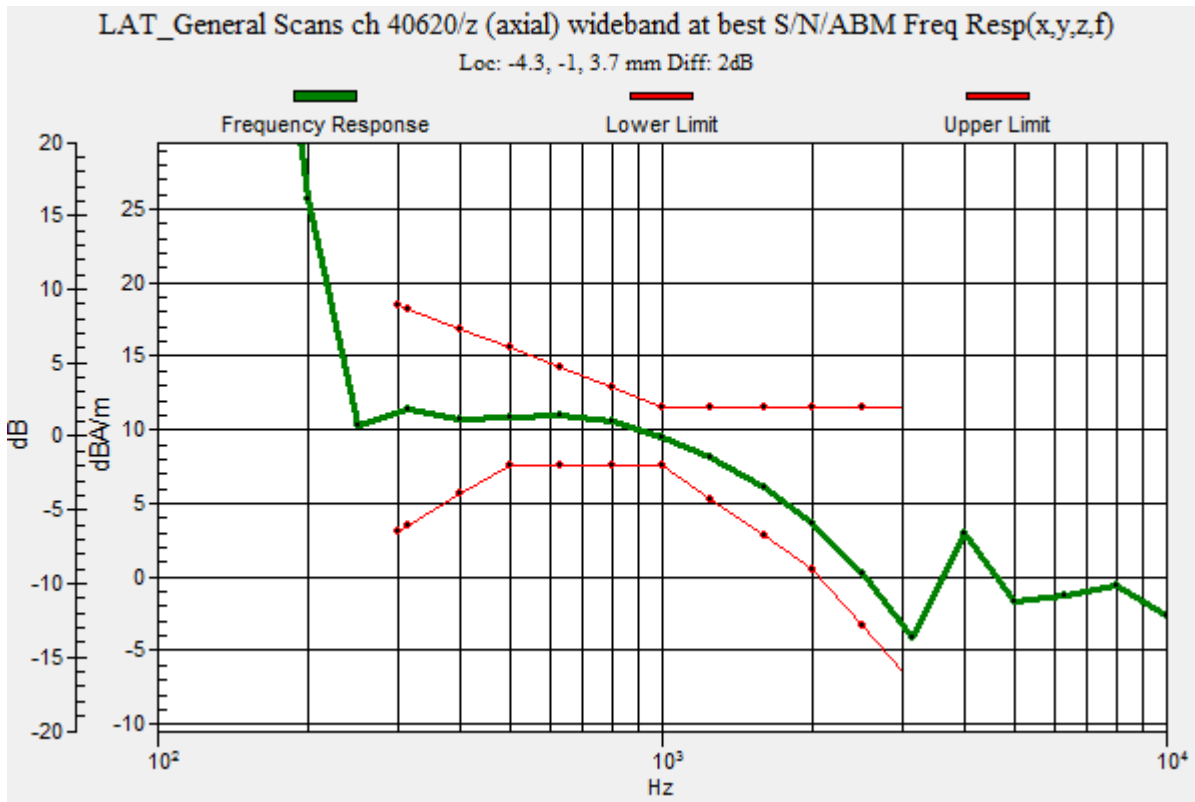
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: -4.3, -1, 3.7 mm





### LTE Band 41\_Narrowband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

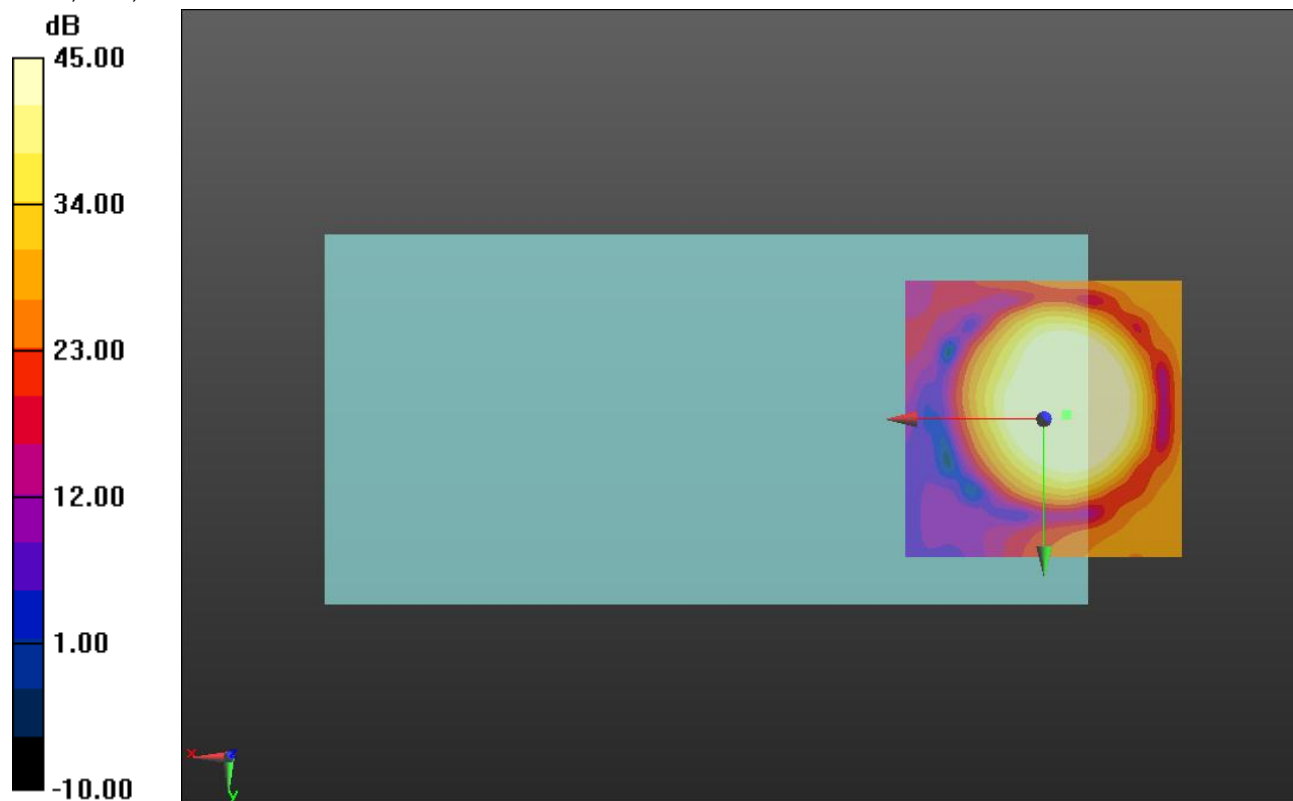
#### Cursor:

ABM1/ABM2 = 55.44 dB

ABM1 comp = 9.75 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

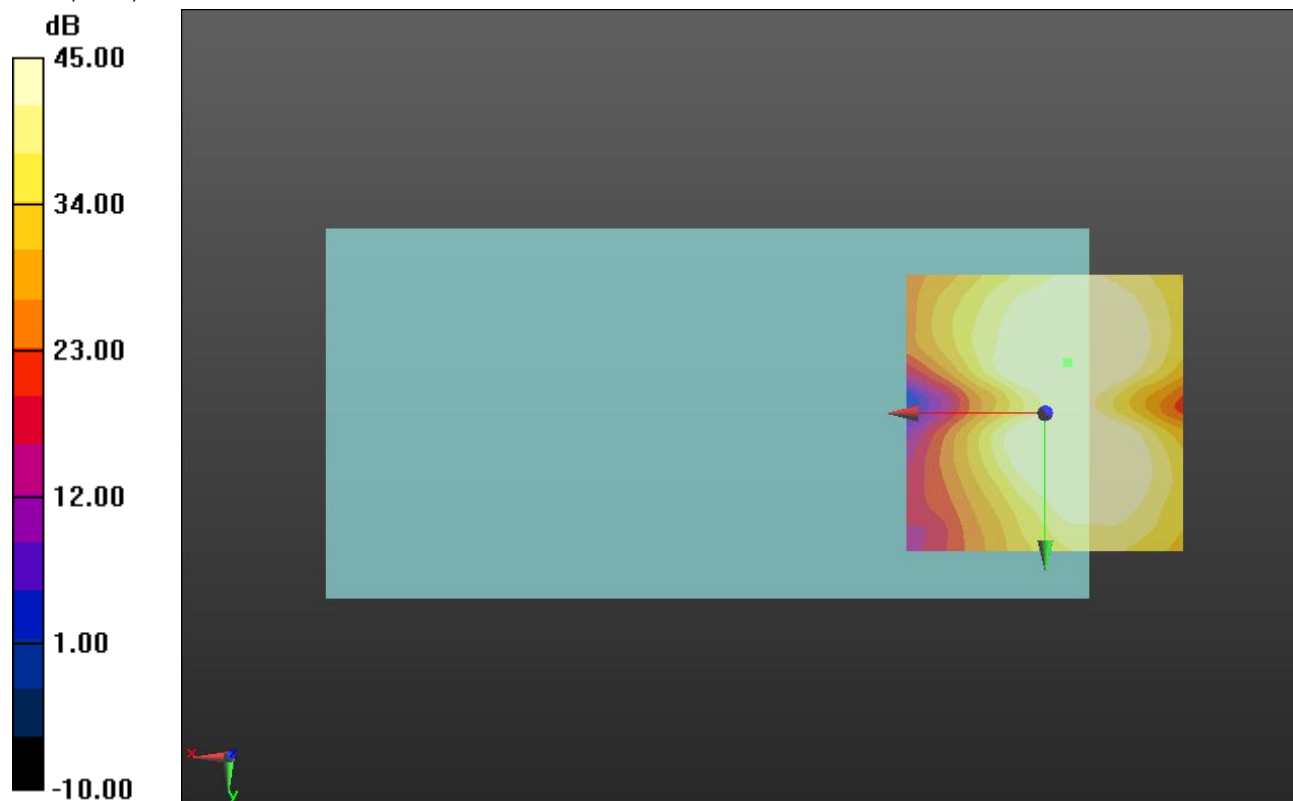
#### Cursor:

ABM1/ABM2 = 52.02 dB

ABM1 comp = 2.18 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -9.2, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

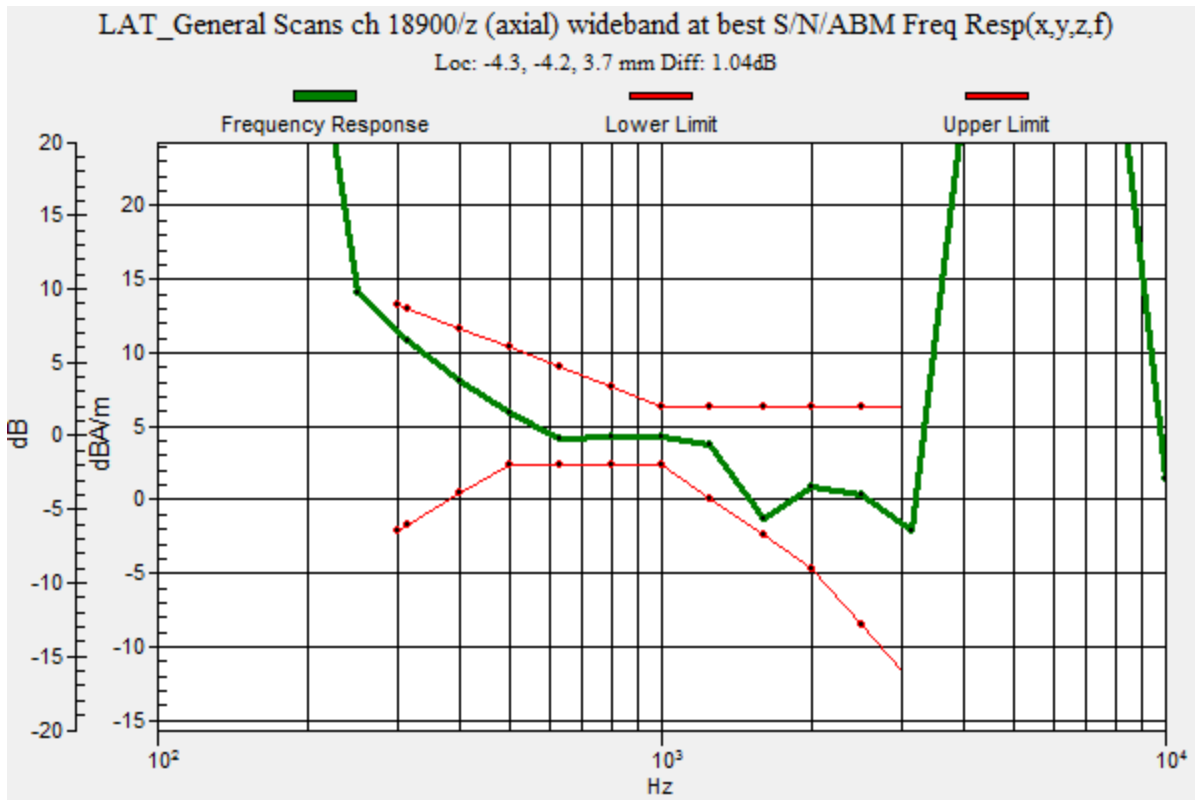
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.04 dB

BWC Factor = 10.80 dB

Location: -4.3, -4.2, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

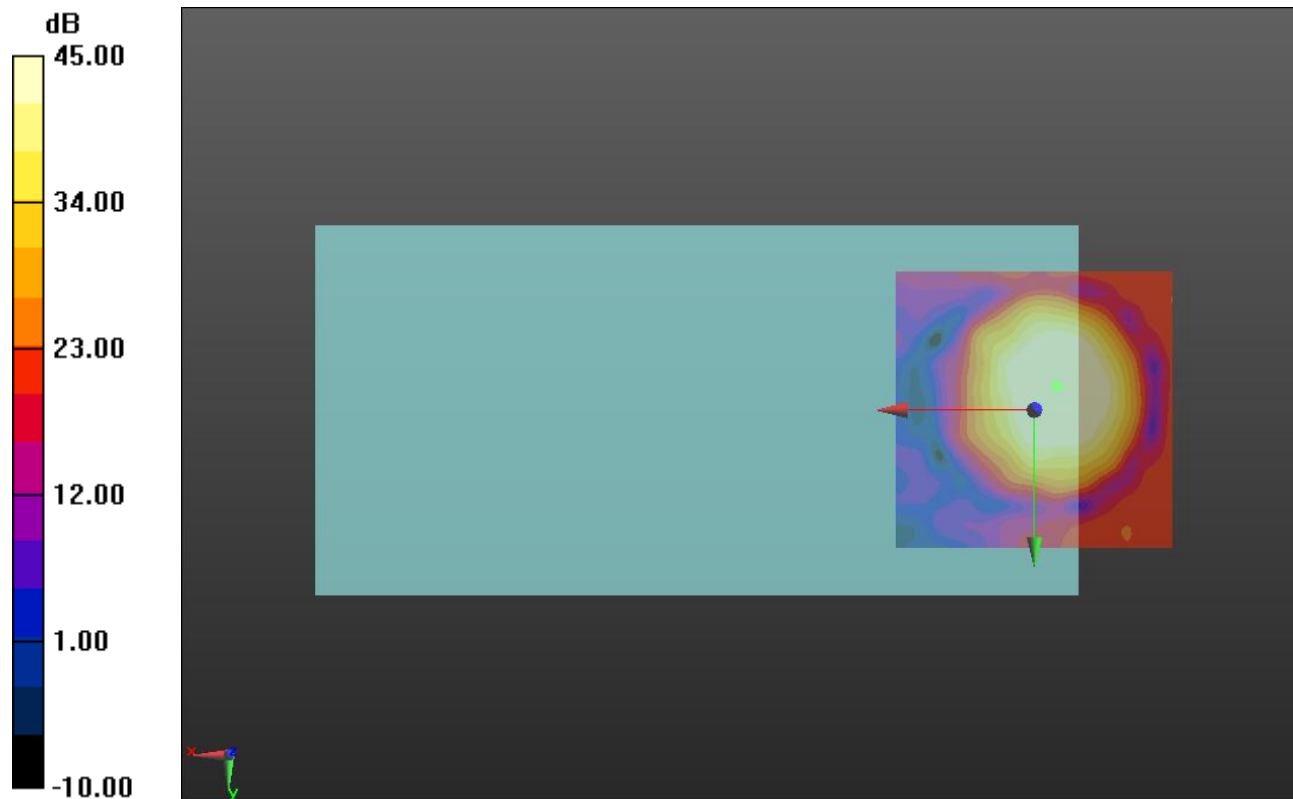
### Cursor:

ABM1/ABM2 = 51.81 dB

ABM1 comp = 5.36 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.2, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

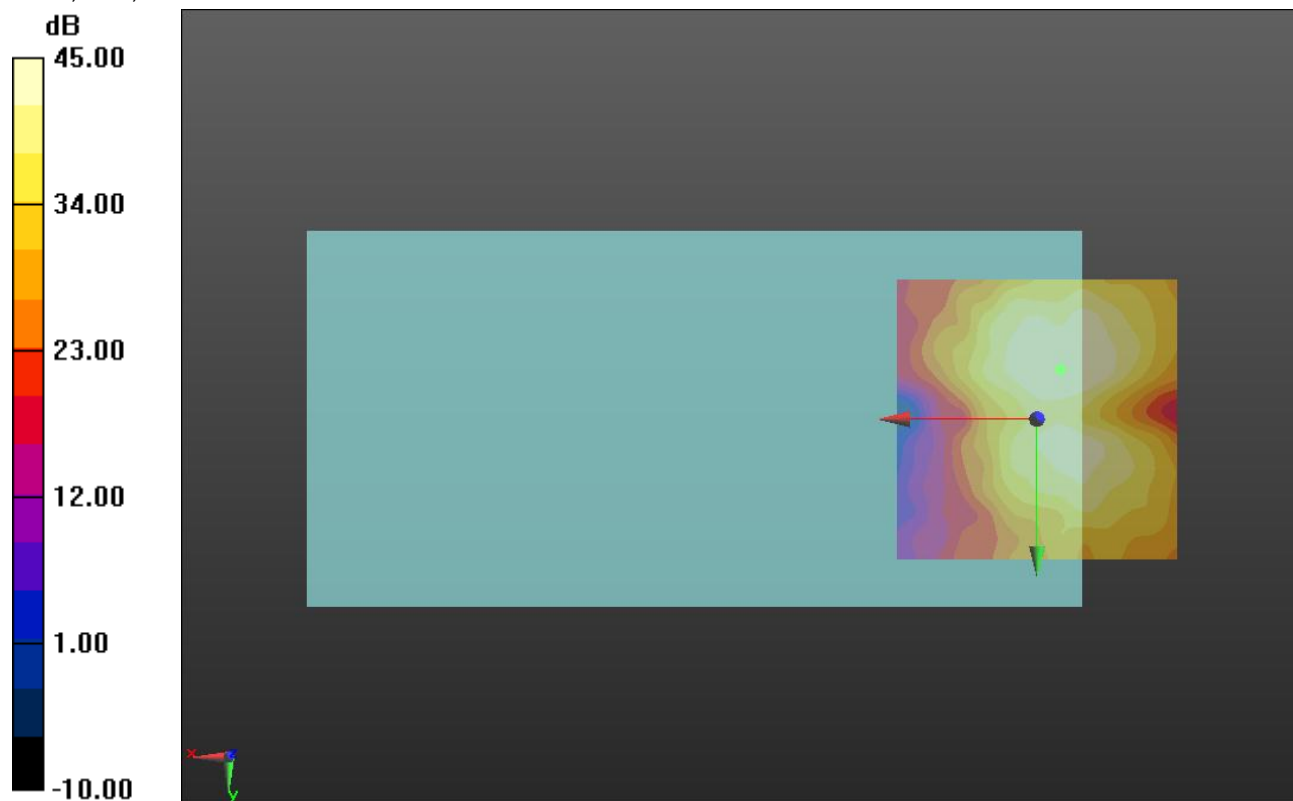
#### Cursor:

ABM1/ABM2 = 47.92 dB

ABM1 comp = -3.28 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -8.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4\_Wideband

Communication System: UID 0, LTE (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(y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

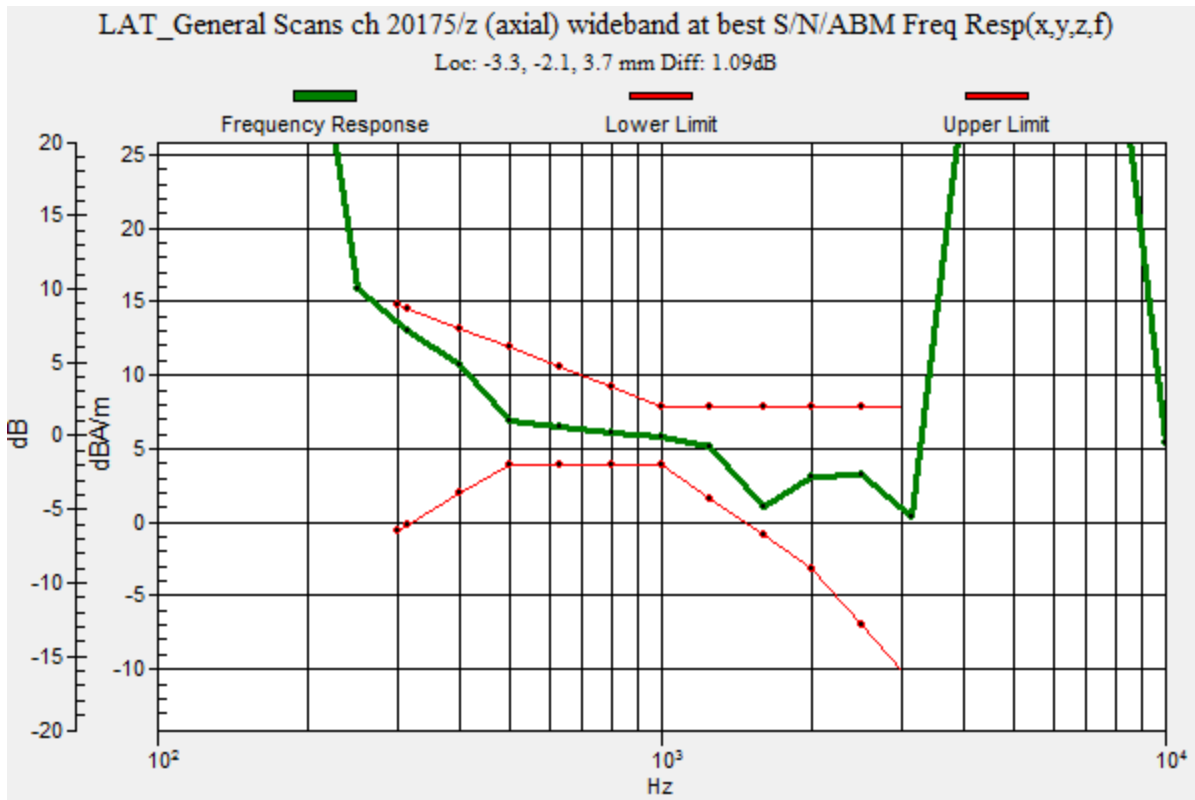
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.09 dB

BWC Factor = 10.80 dB

Location: -3.3, -2.1, 3.7 mm



### LTE Band 4\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

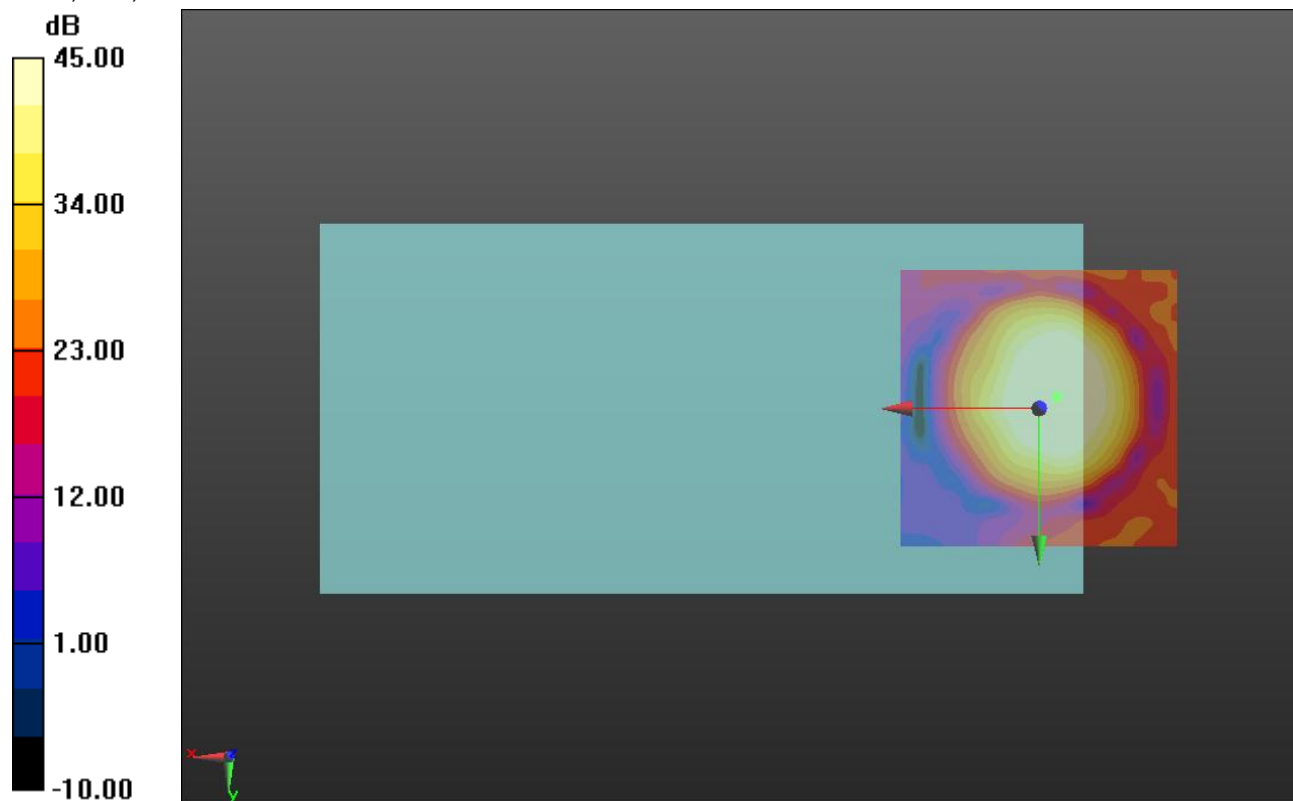
#### Cursor:

ABM1/ABM2 = 52.11 dB

ABM1 comp = 4.33 dBA/m

BWC Factor = 0.16 dB

Location: -3.3, -2.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

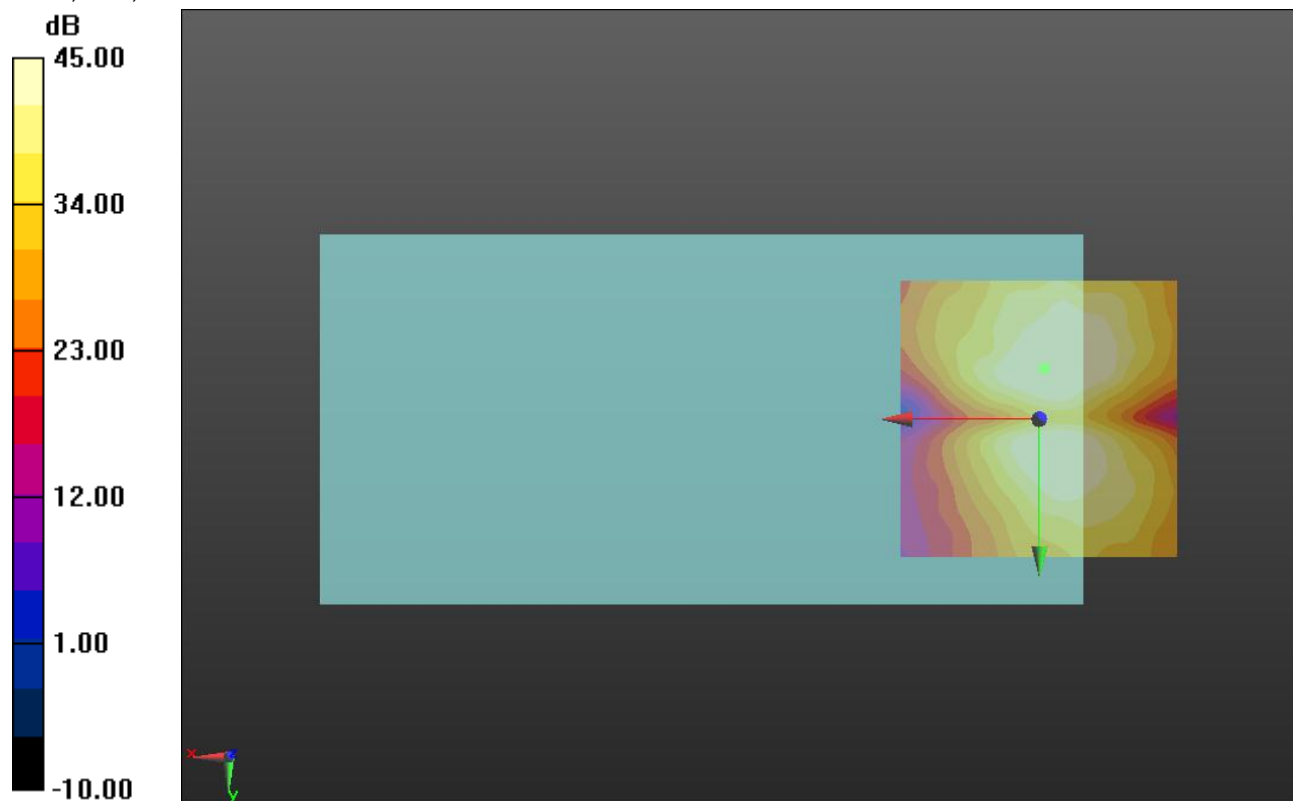
#### Cursor:

ABM1/ABM2 = 47.97 dB

ABM1 comp = -2.26 dBA/m

BWC Factor = 0.16 dB

Location: -0.8, -9.2, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

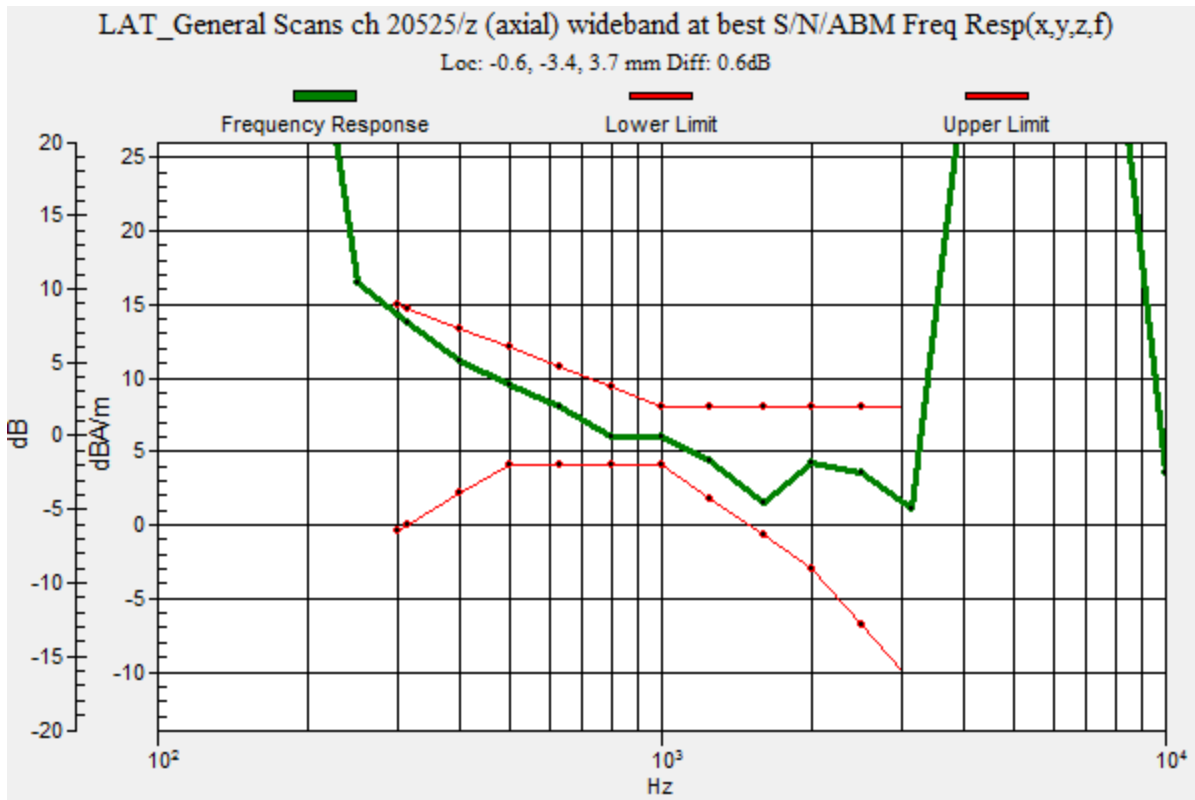
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.60 dB

BWC Factor = 10.79 dB

Location: -0.6, -3.4, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20525/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

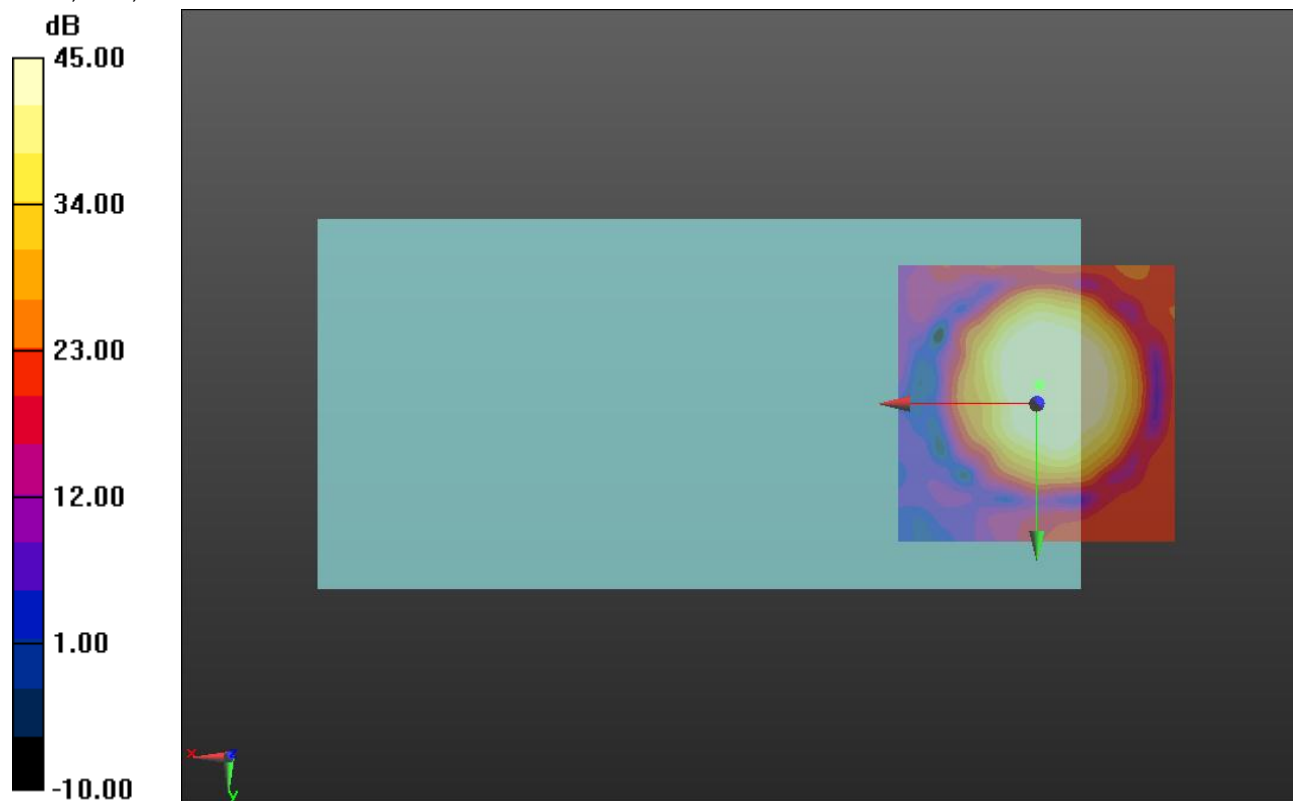
#### Cursor:

ABM1/ABM2 = 52.37 dB

ABM1 comp = 6.97 dBA/m

BWC Factor = 0.15 dB

Location: -0.4, -3.3, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 20525/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

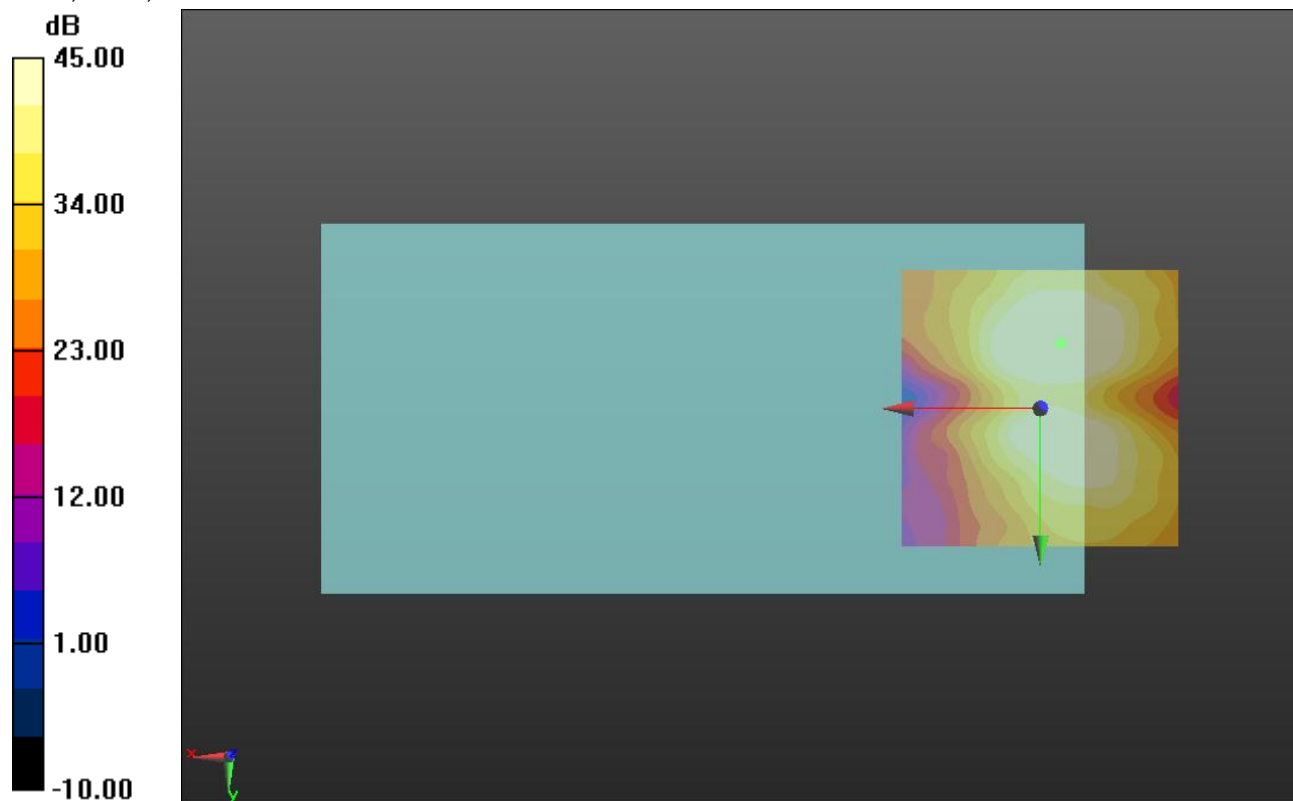
#### Cursor:

ABM1/ABM2 = 49.12 dB

ABM1 comp = -2.61 dBA/m

BWC Factor = 0.15 dB

Location: -3.7, -11.7, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

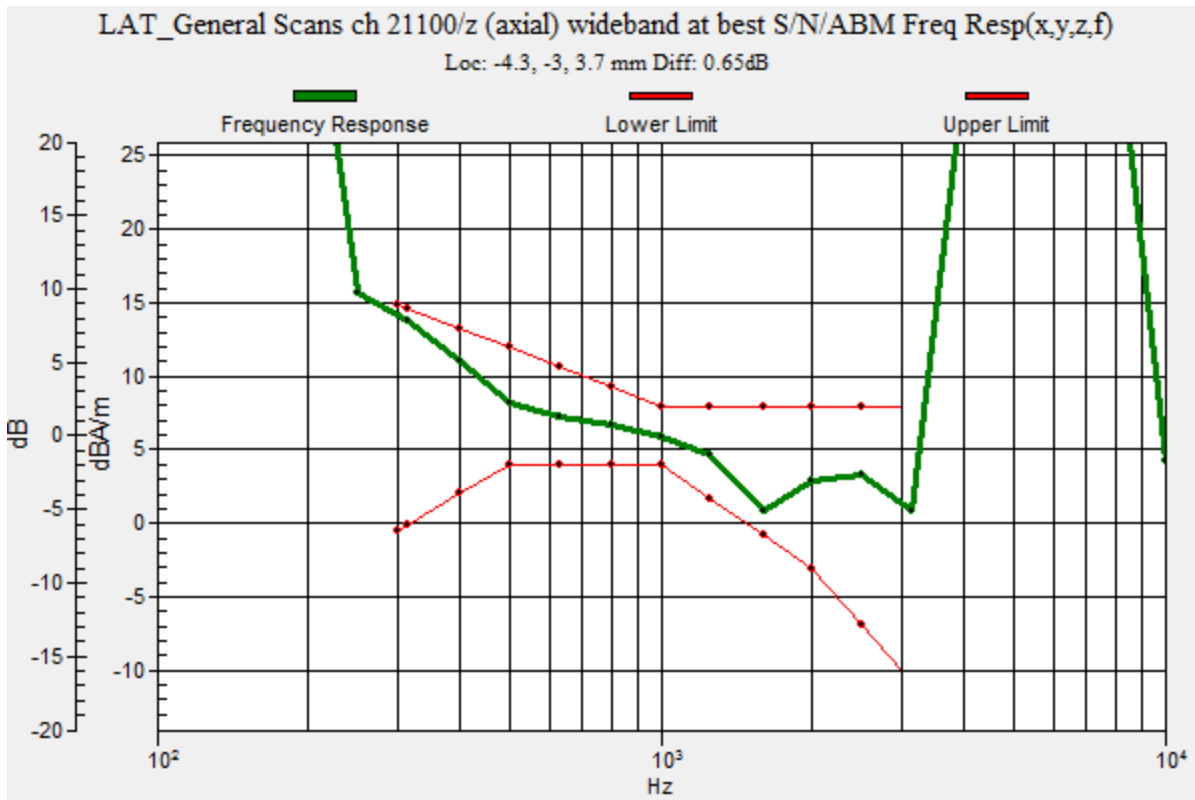
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.65 dB

BWC Factor = 10.80 dB

Location: -4.3, -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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

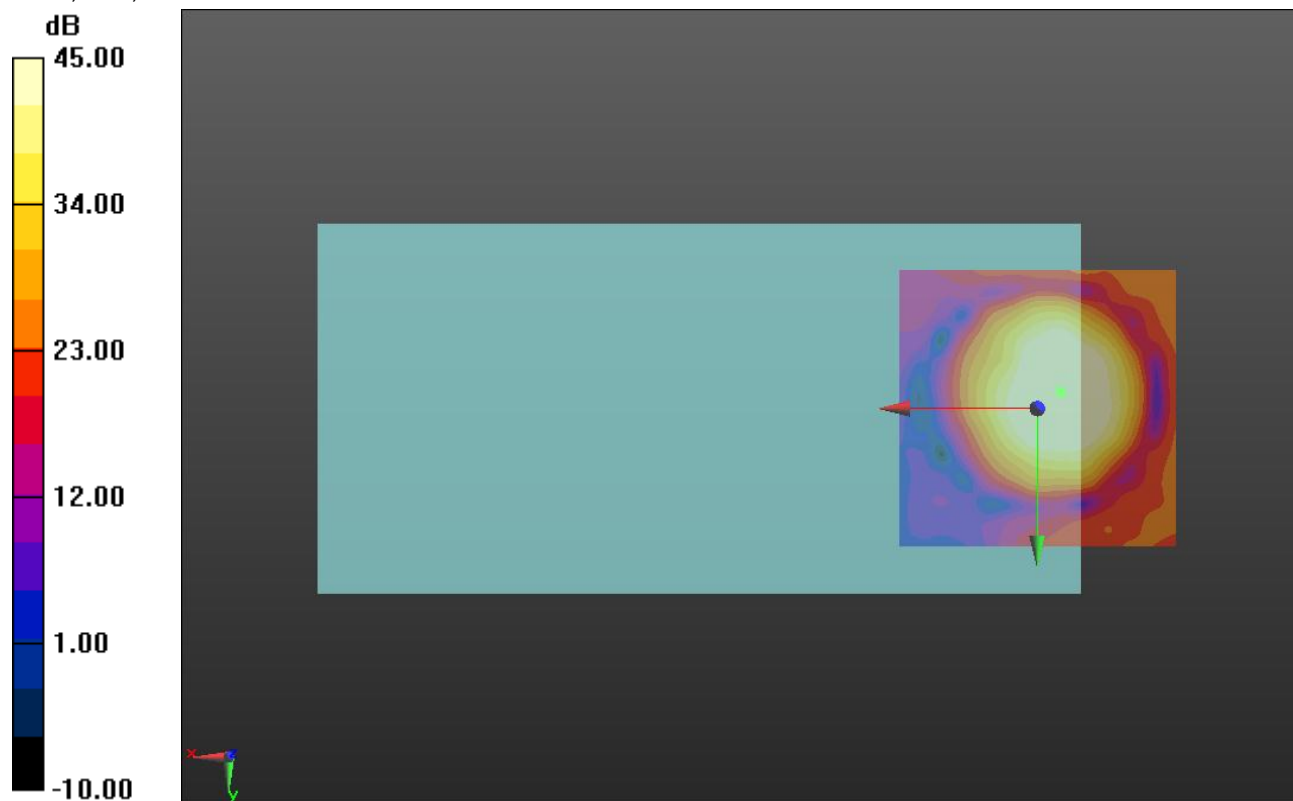
**Cursor:**

ABM1/ABM2 = 51.87 dB

ABM1 comp = 4.30 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -2.9, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

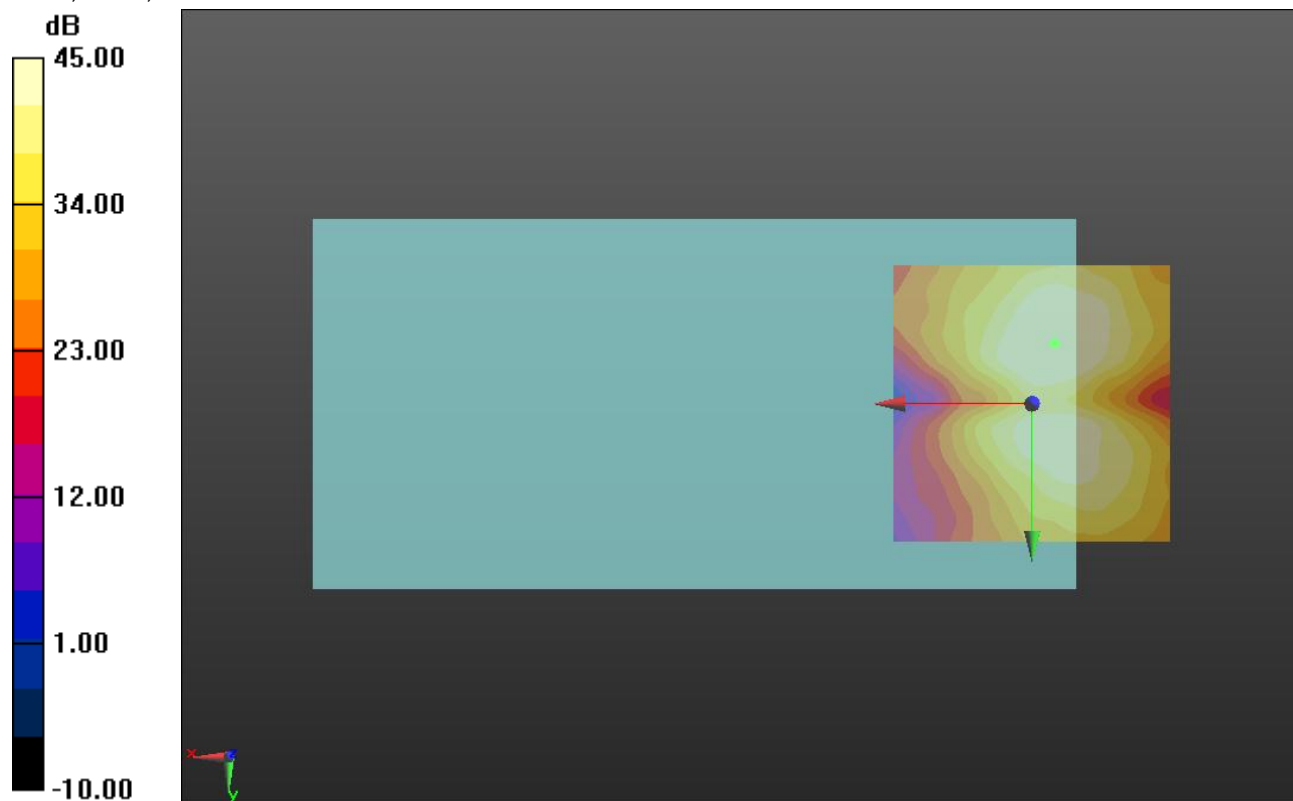
#### Cursor:

ABM1/ABM2 = 48.35 dB

ABM1 comp = -2.96 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -10.8, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

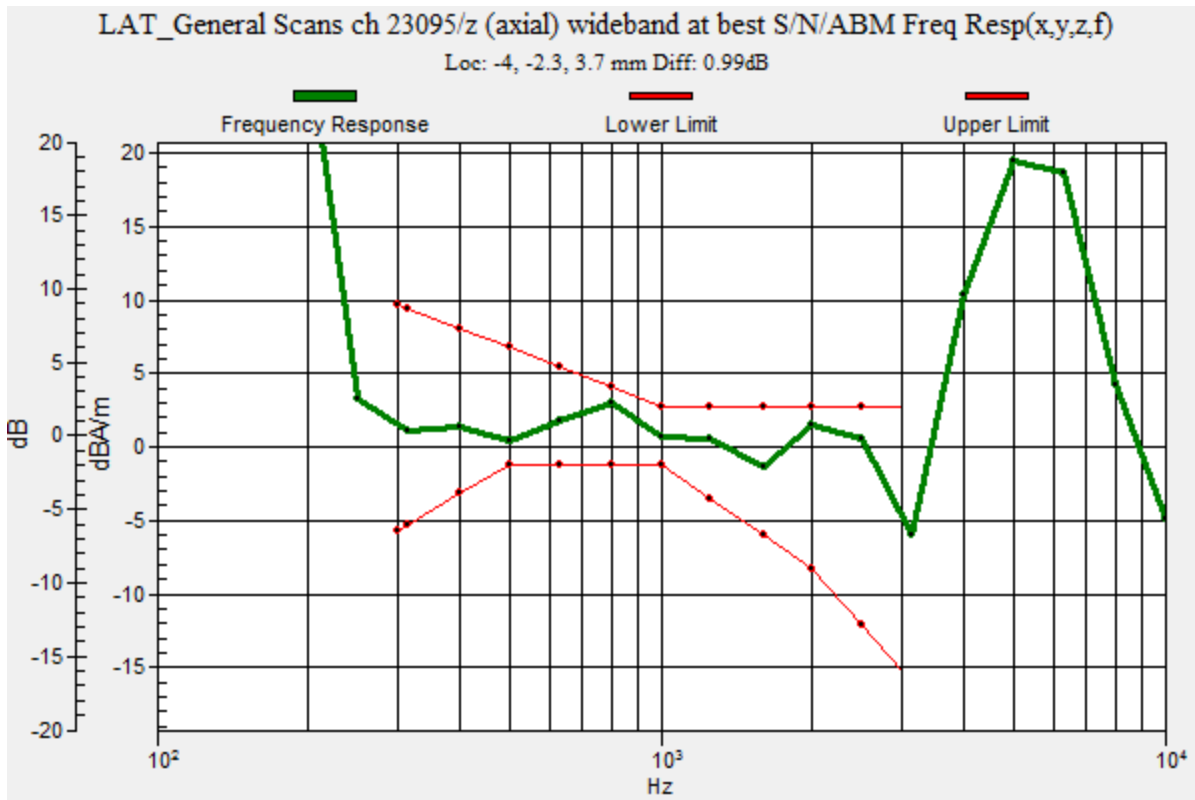
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.99 dB

BWC Factor = 10.80 dB

Location: -4, -2.3, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

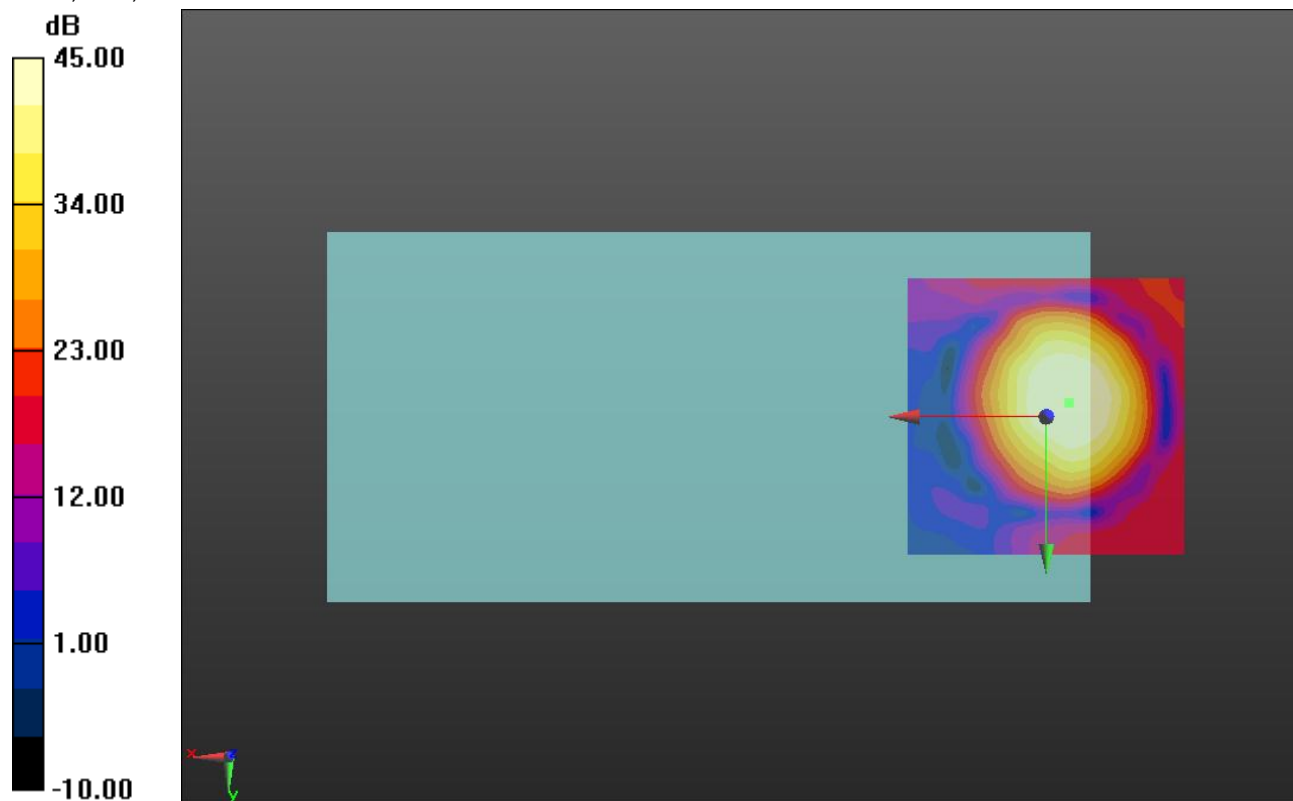
#### Cursor:

ABM1/ABM2 = 48.77 dB

ABM1 comp = 1.75 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -2.5, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

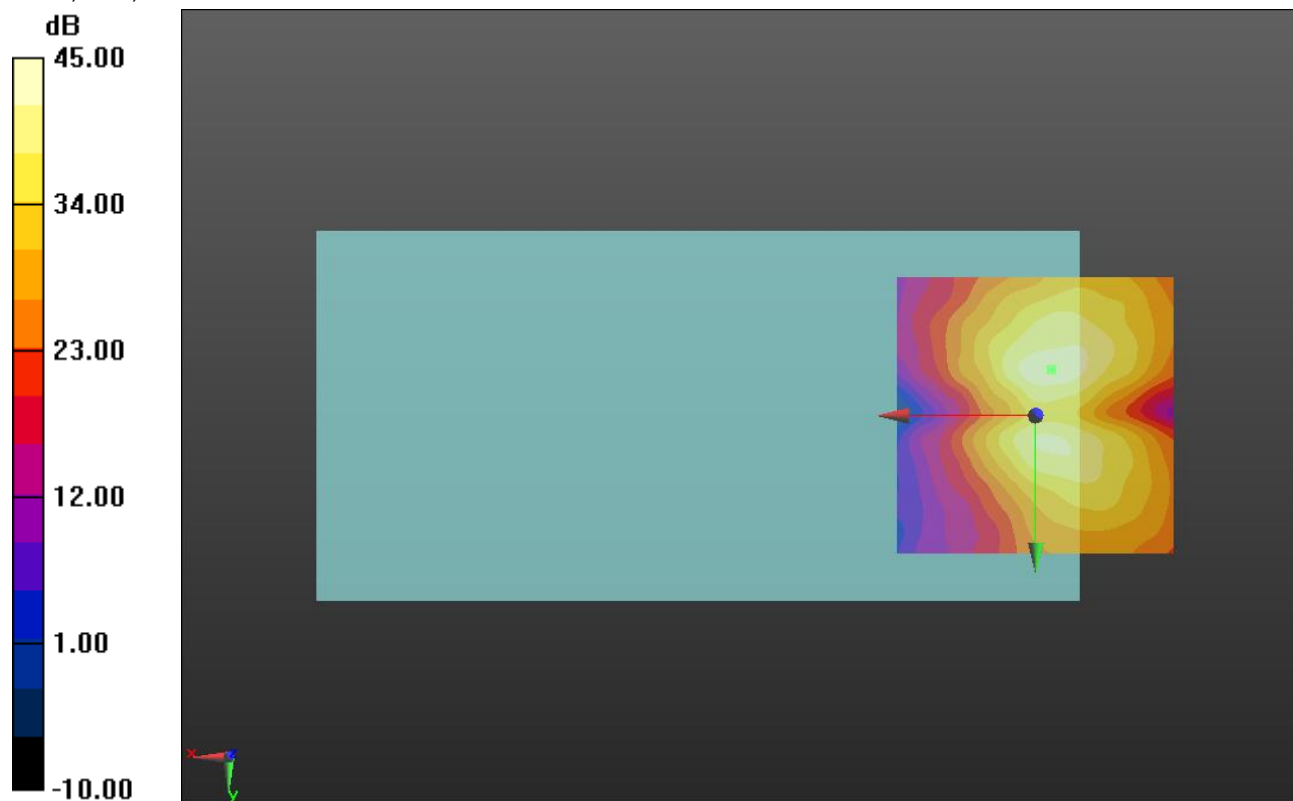
#### Cursor:

ABM1/ABM2 = 44.05 dB

ABM1 comp = -6.77 dBA/m

BWC Factor = 0.15 dB

Location: -2.9, -8.3, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

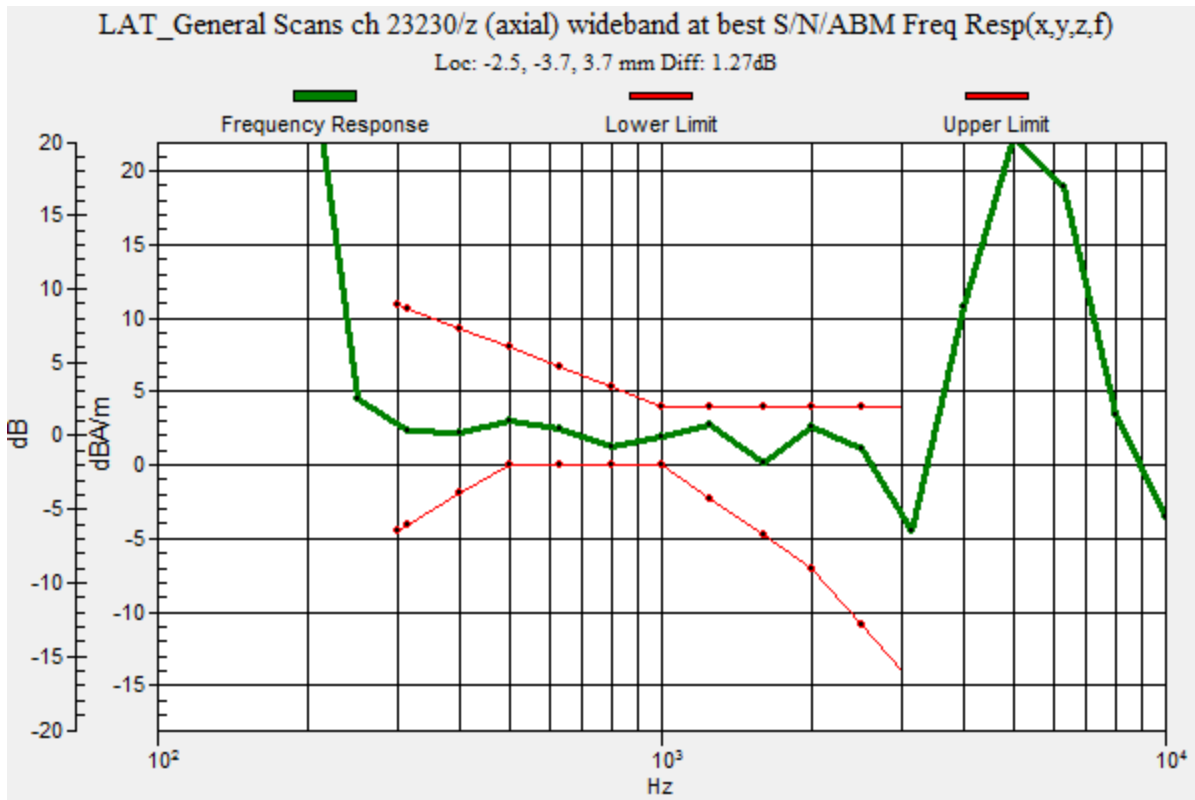
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.27 dB

BWC Factor = 10.80 dB

Location: -2.5, -3.7, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

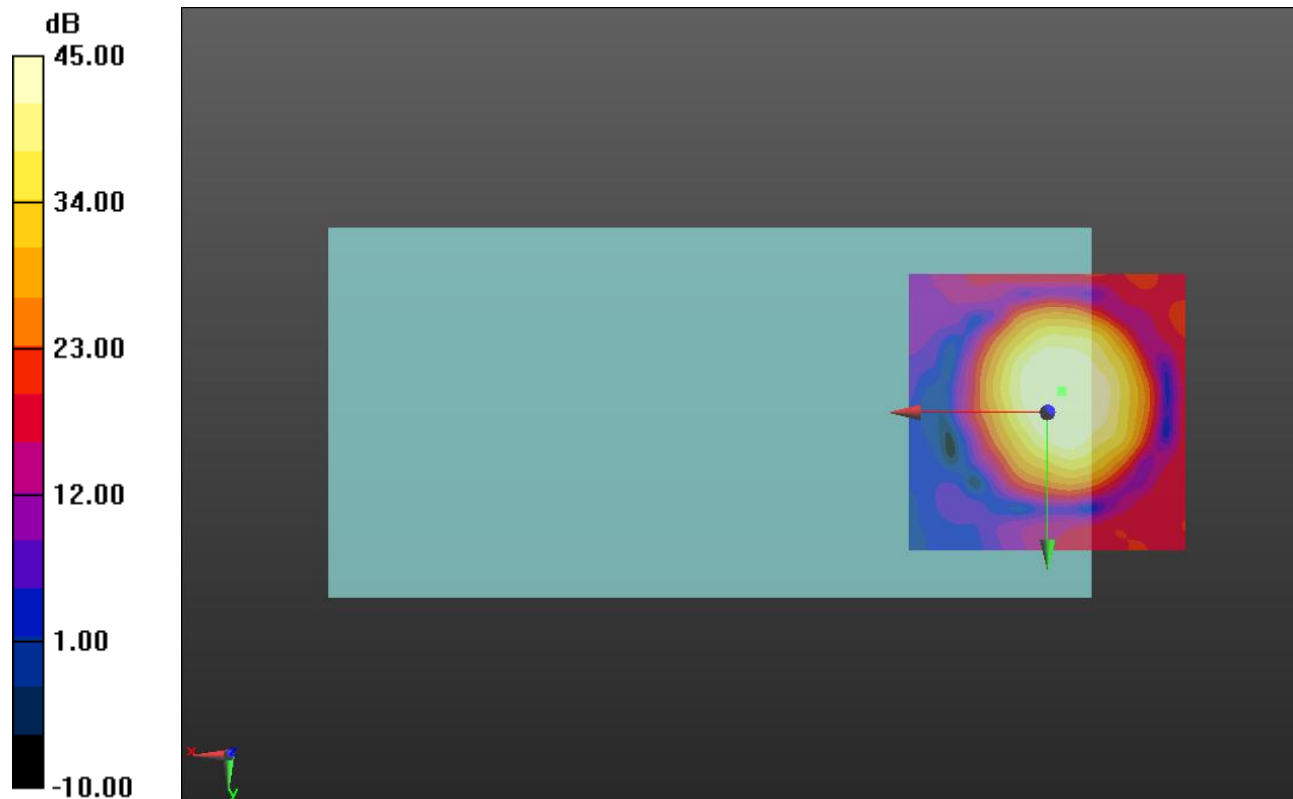
**Cursor:**

ABM1/ABM2 = 48.02 dB

ABM1 comp = 1.31 dBA/m

BWC Factor = 0.16 dB

Location: -2.5, -3.8, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

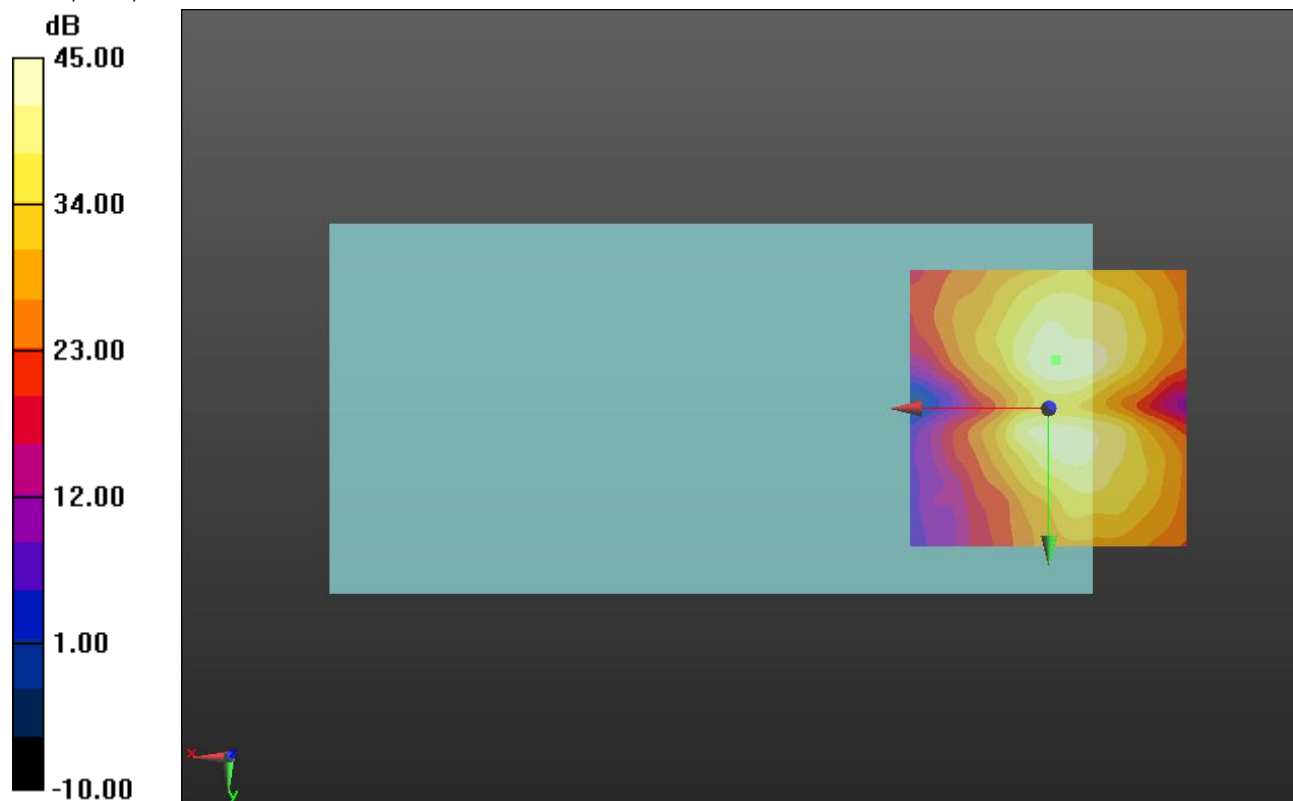
#### Cursor:

ABM1/ABM2 = 45.59 dB

ABM1 comp = -5.66 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -8.8, 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

### 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

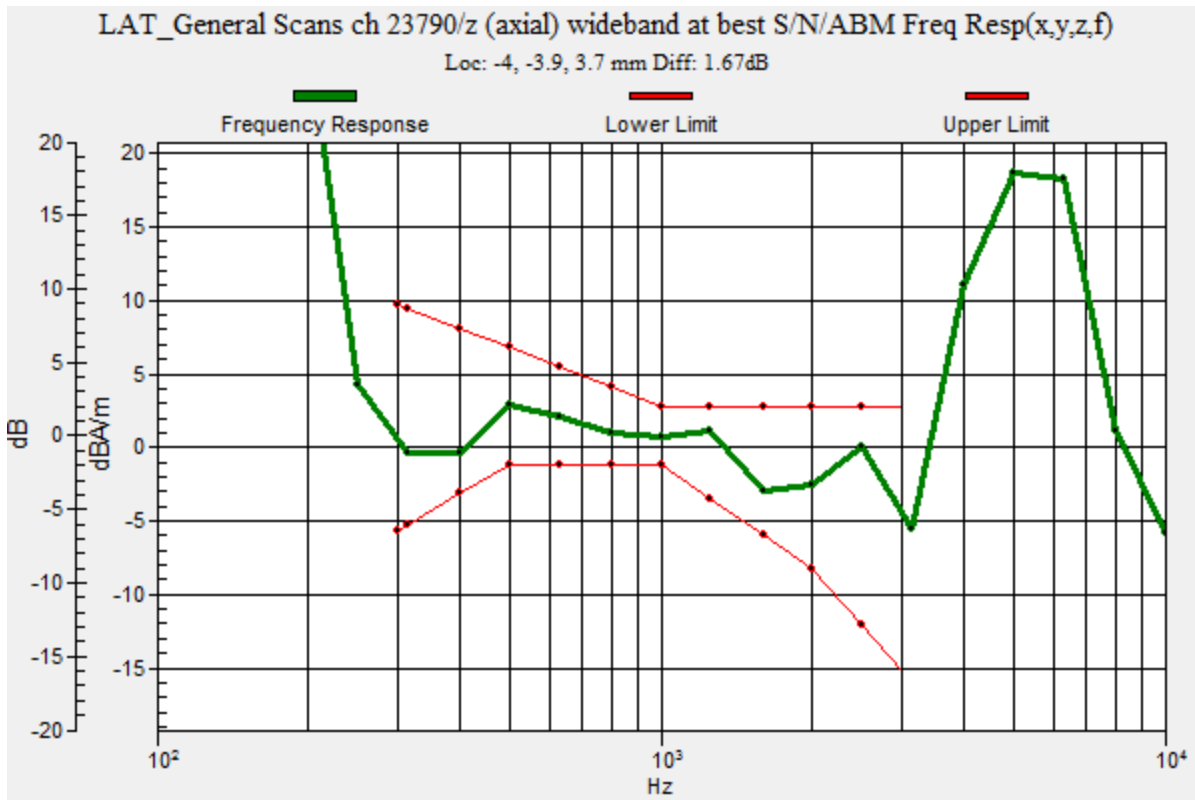
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.67 dB

BWC Factor = 10.80 dB

Location: -4, -3.9, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23790/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

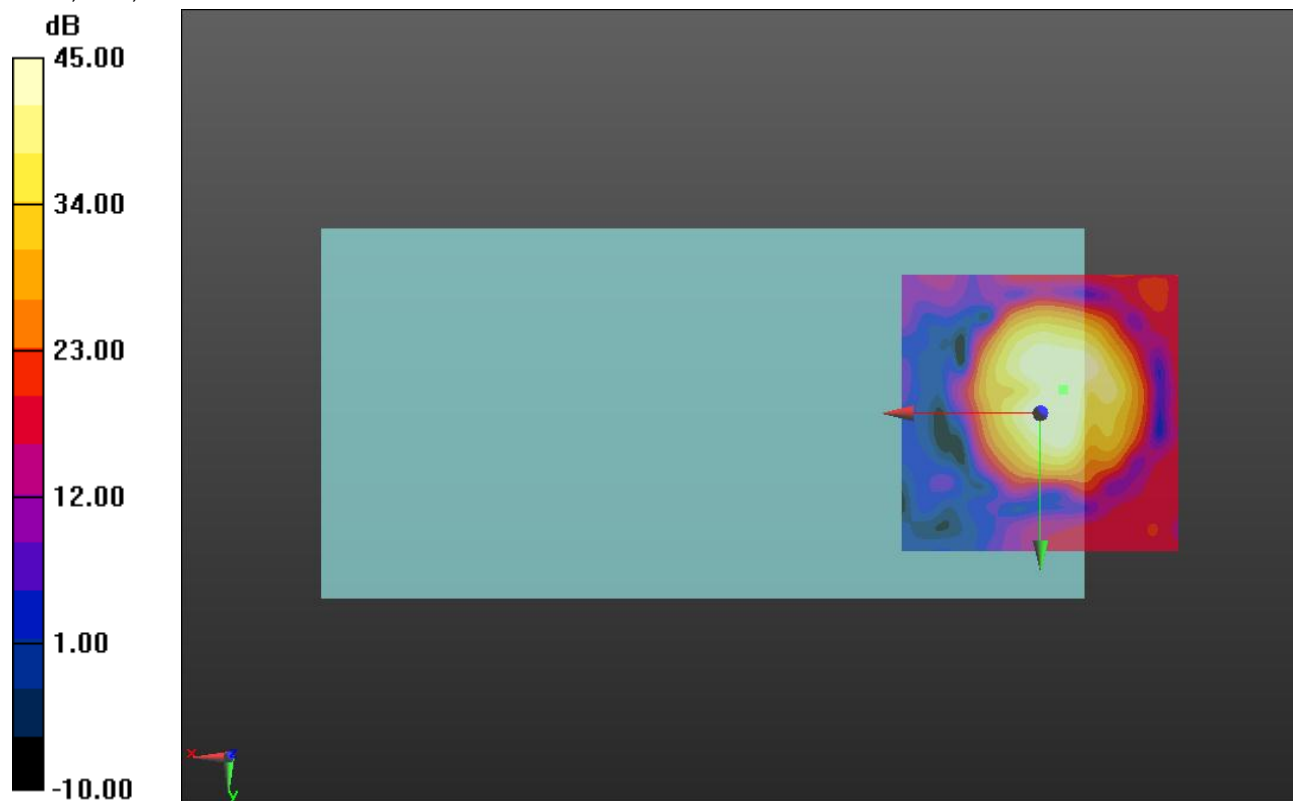
**Cursor:**

ABM1/ABM2 = 47.81 dB

ABM1 comp = 0.43 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.2, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 23790/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

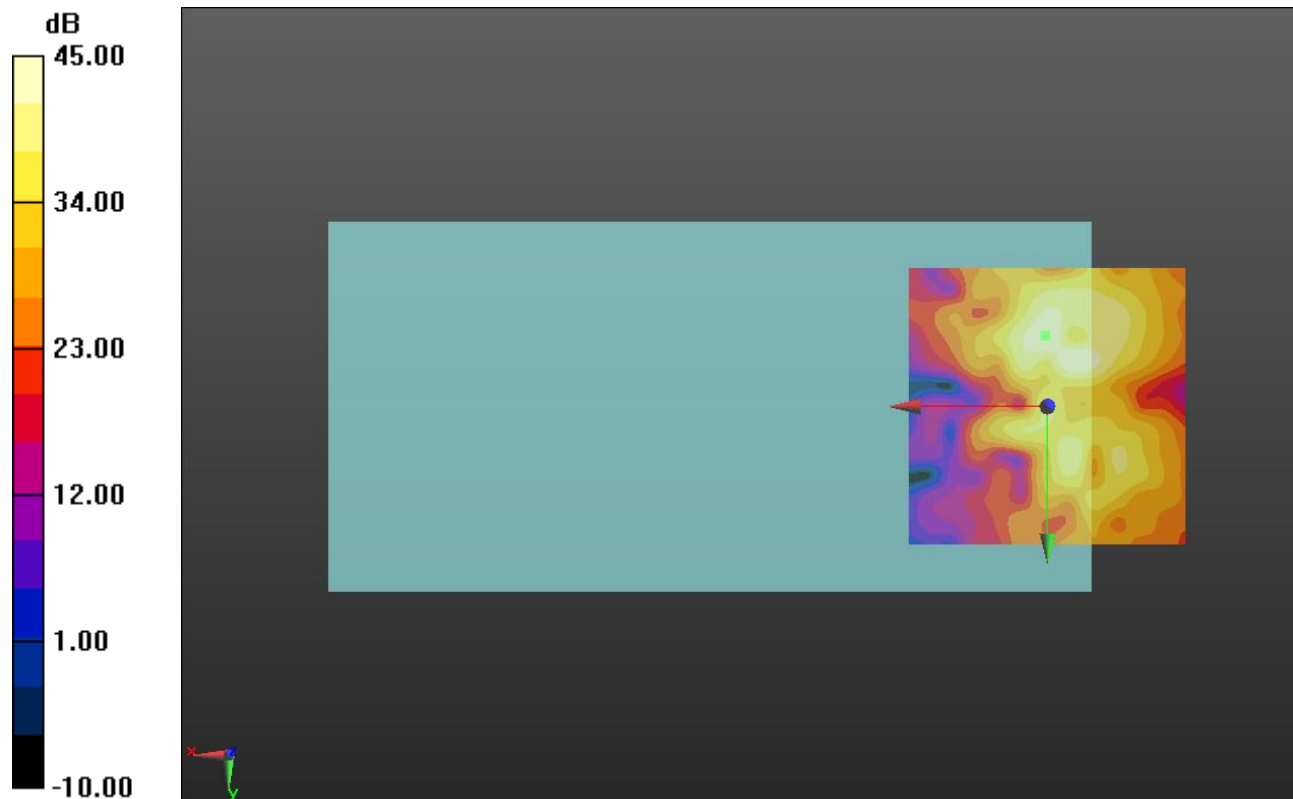
#### Cursor:

ABM1/ABM2 = 44.99 dB

ABM1 comp = -5.72 dBA/m

BWC Factor = 0.16 dB

Location: 0.4, -12.9, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

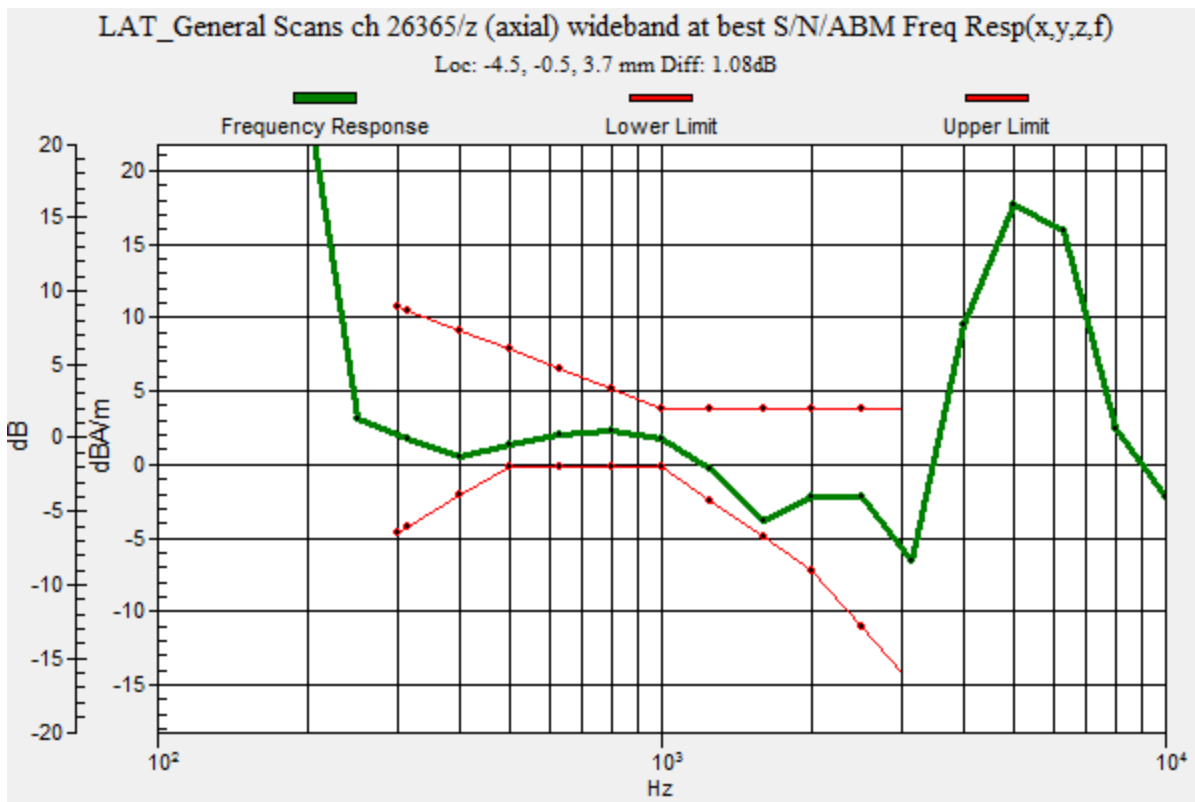
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.08 dB

BWC Factor = 10.80 dB

Location: -4.5, -0.5, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26365/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

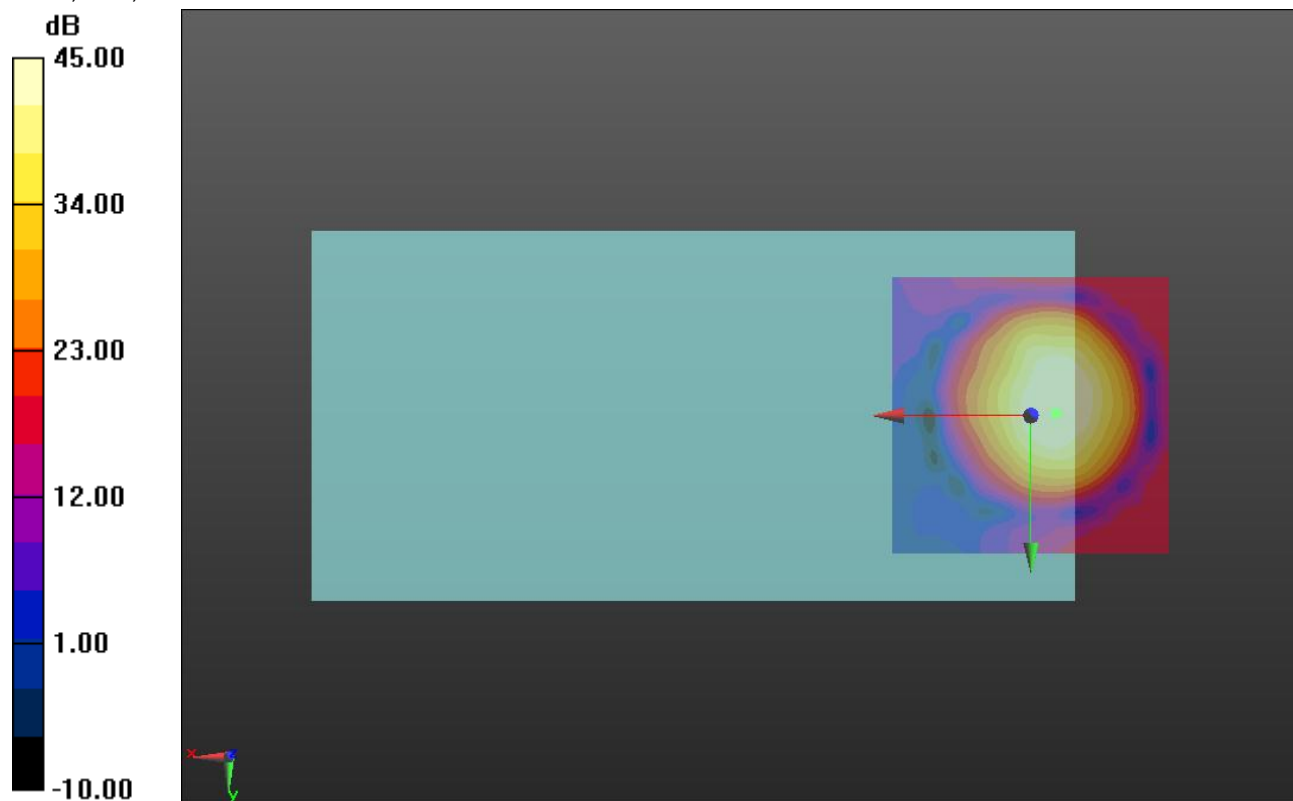
#### Cursor:

ABM1/ABM2 = 47.24 dB

ABM1 comp = 0.51 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, -0.4, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

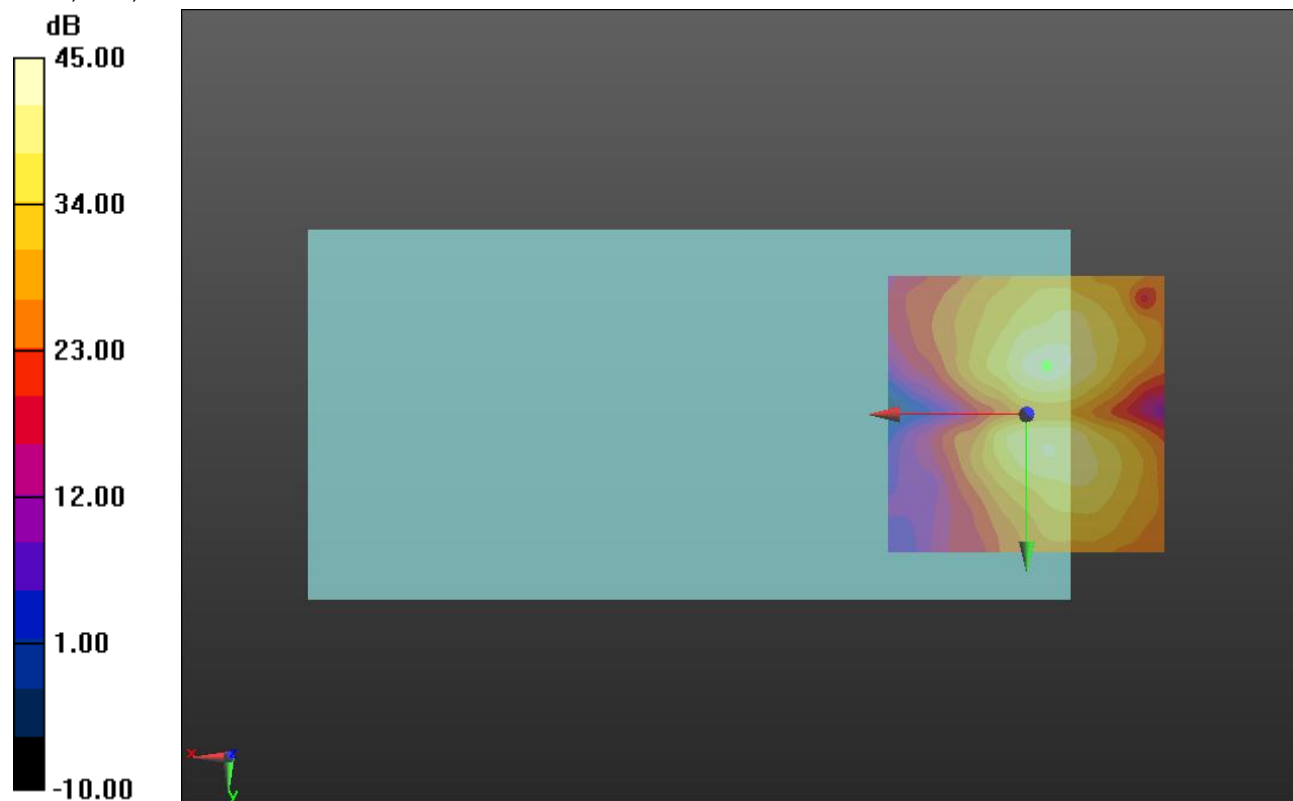
#### Cursor:

ABM1/ABM2 = 43.62 dB

ABM1 comp = -6.24 dBA/m

BWC Factor = 0.16 dB

Location: -3.7, -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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

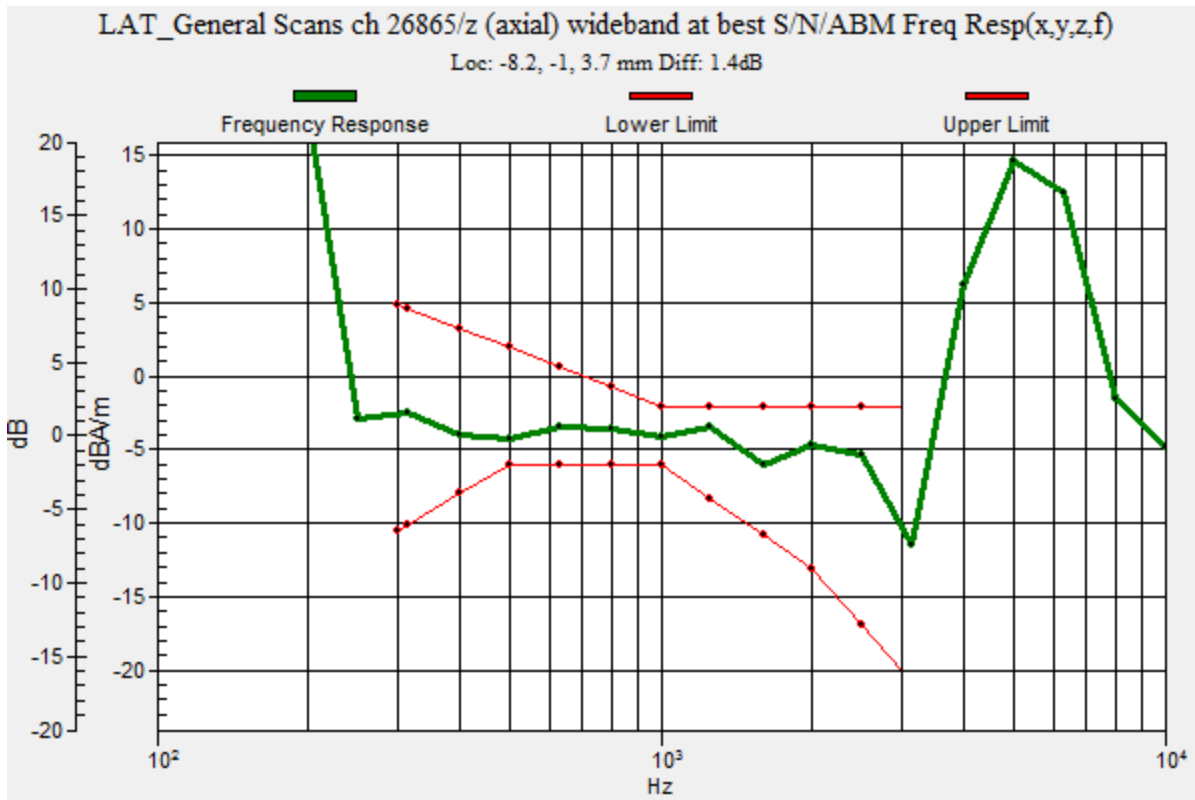
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.40 dB

BWC Factor = 10.80 dB

Location: -8.2, -1, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

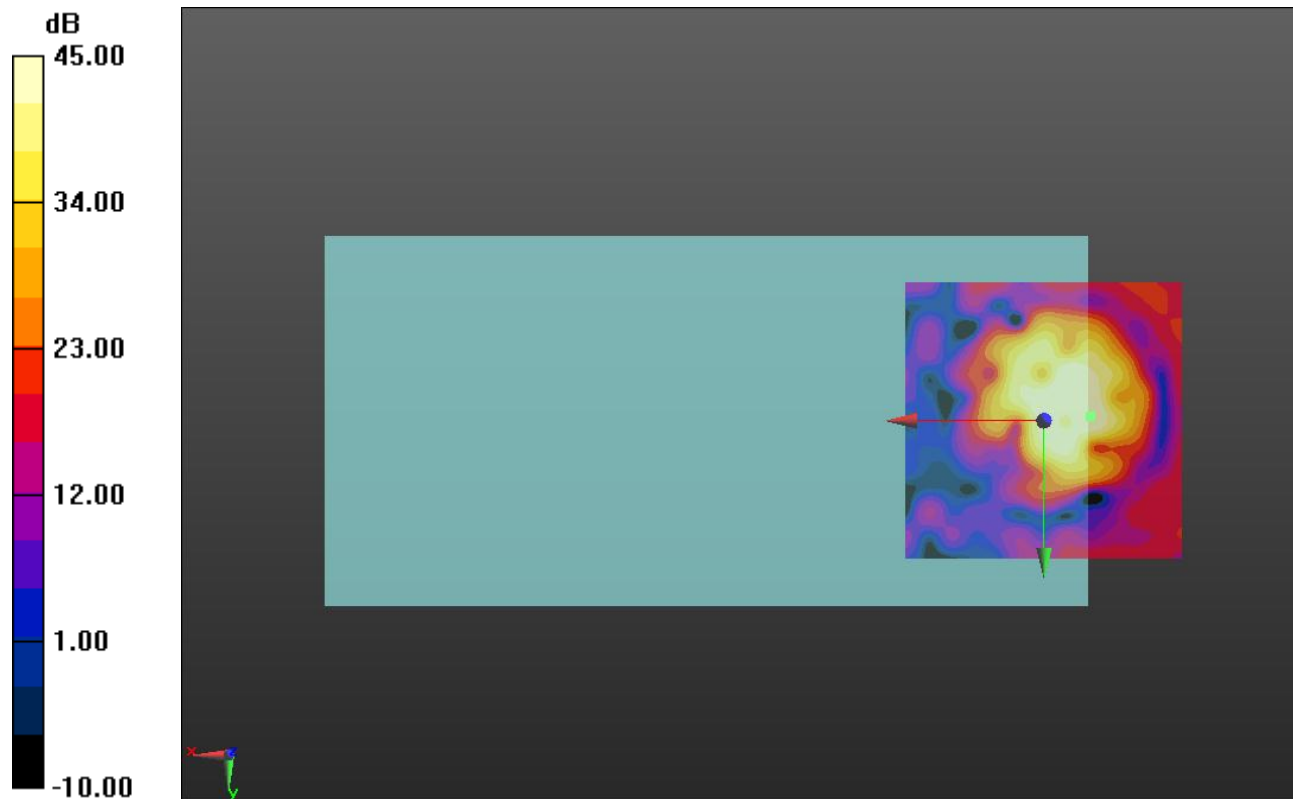
#### Cursor:

ABM1/ABM2 = 46.33 dB

ABM1 comp = -3.75 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, -0.8, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

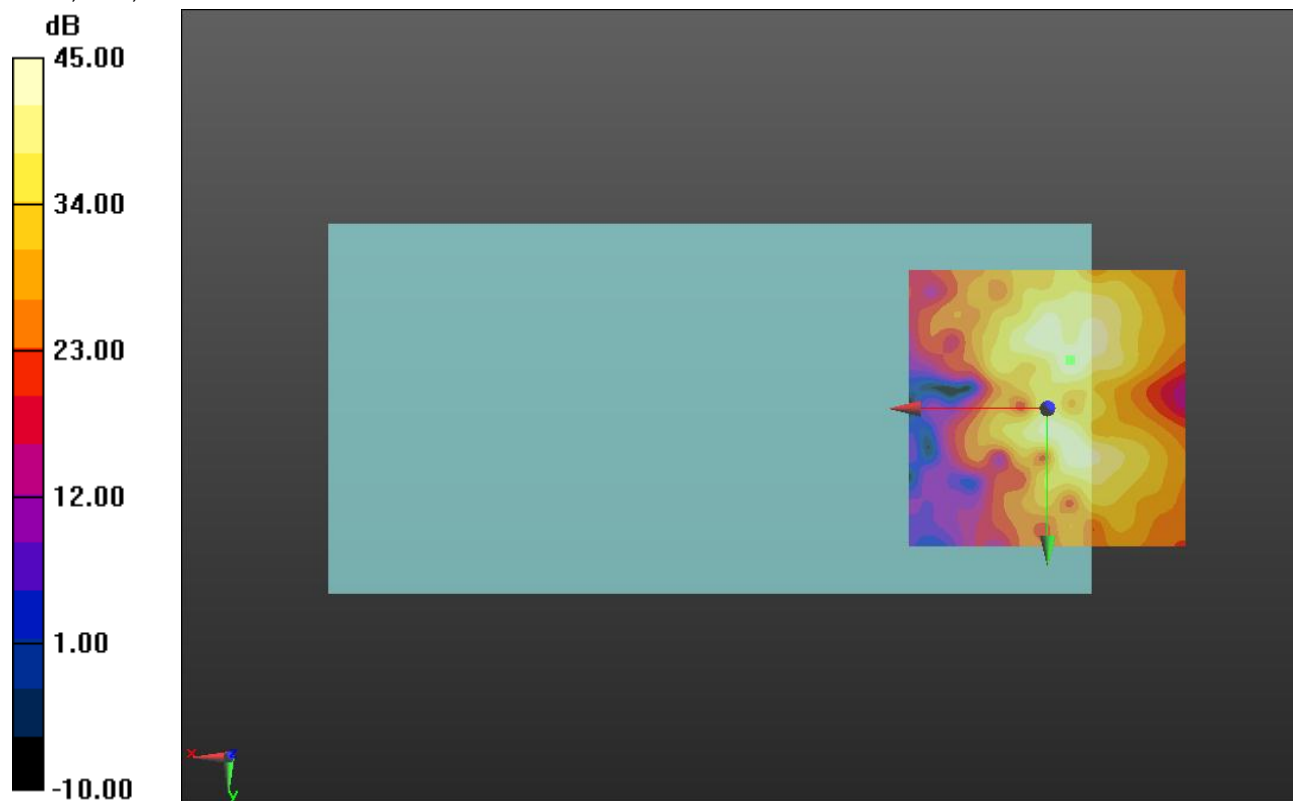
#### Cursor:

ABM1/ABM2 = 44.38 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 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

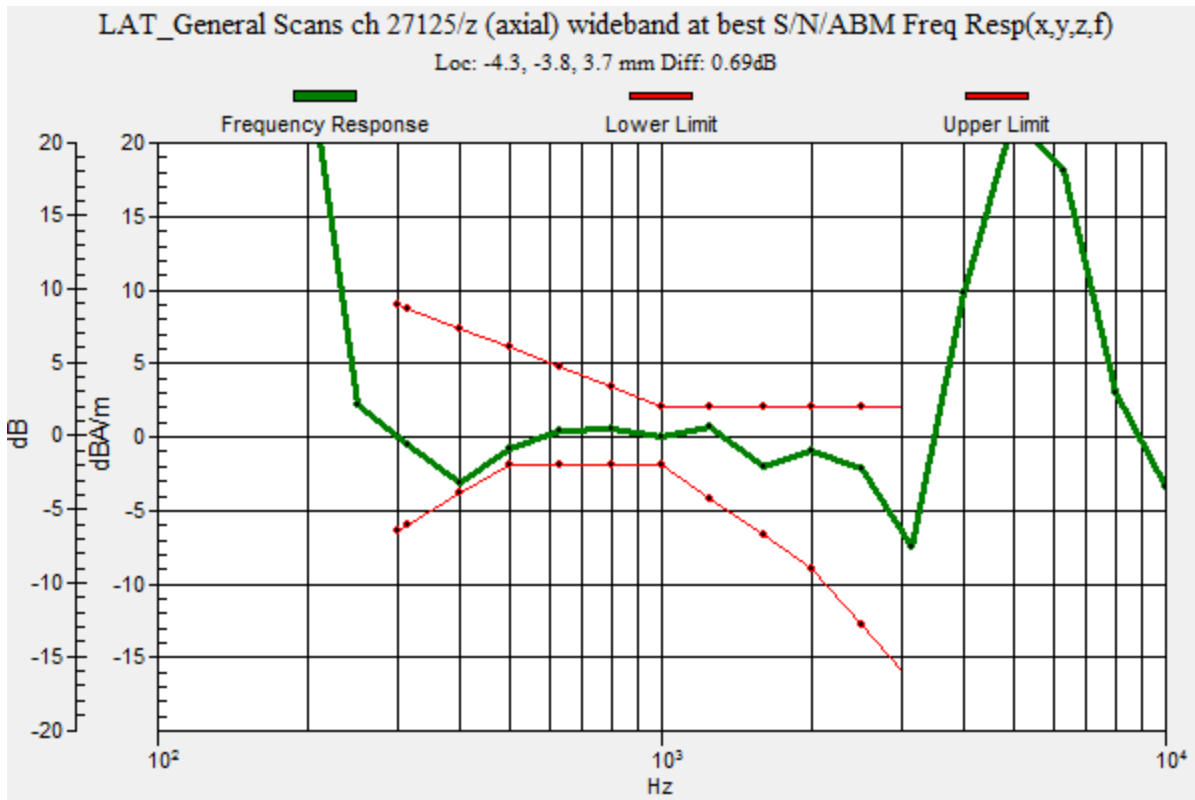
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.69 dB

BWC Factor = 10.80 dB

Location: -4.3, -3.8, 3.7 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27125/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

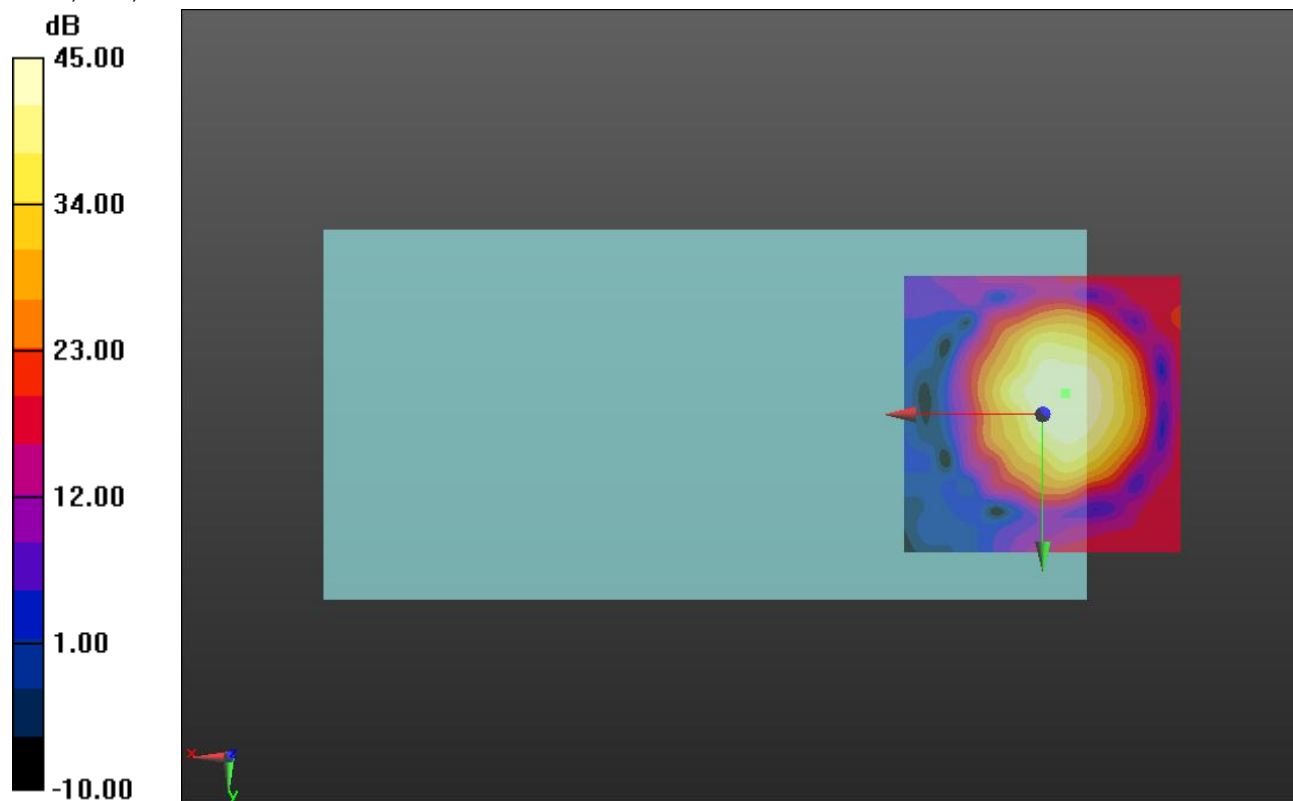
#### Cursor:

ABM1/ABM2 = 46.48 dB

ABM1 comp = 0.54 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -3.8, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27125/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

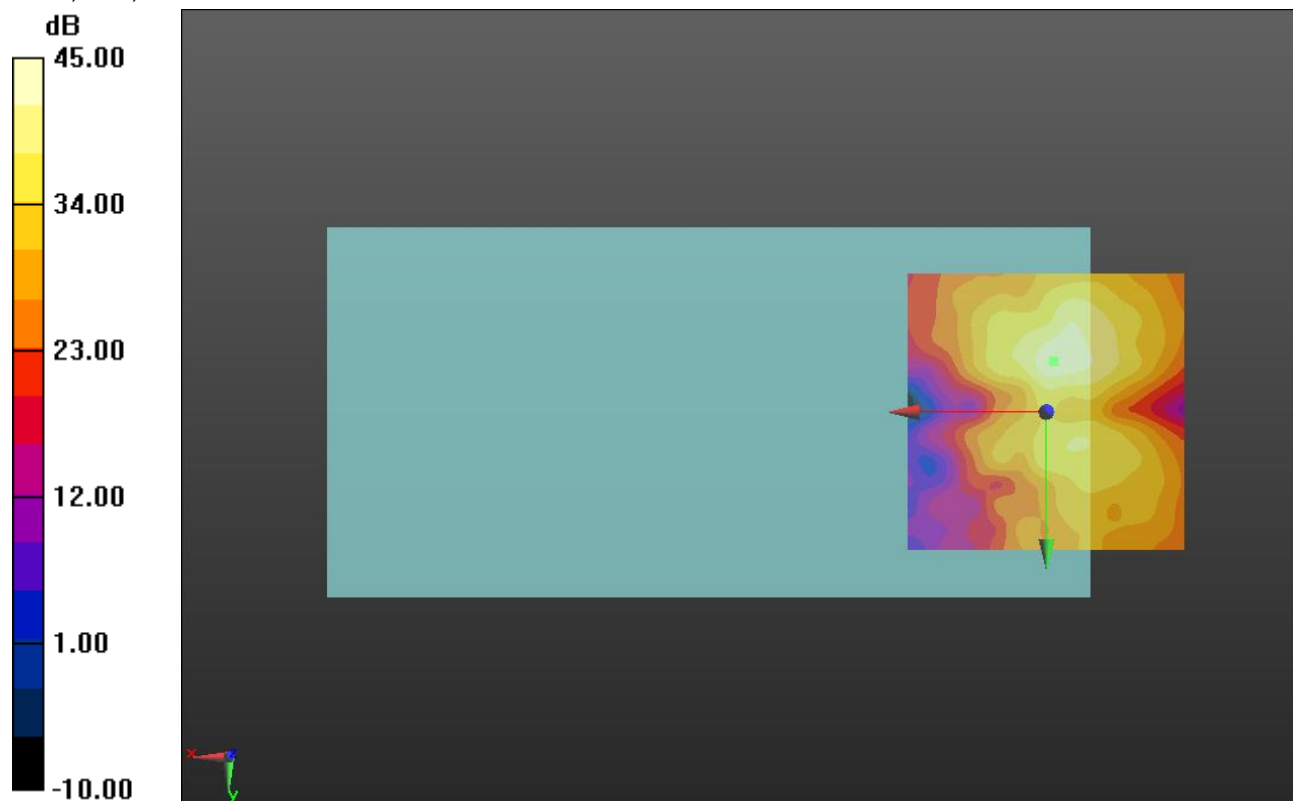
#### Cursor:

ABM1/ABM2 = 43.32 dB

ABM1 comp = -6.83 dBA/m

BWC Factor = 0.16 dB

Location: -1.2, -9.2, 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(y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

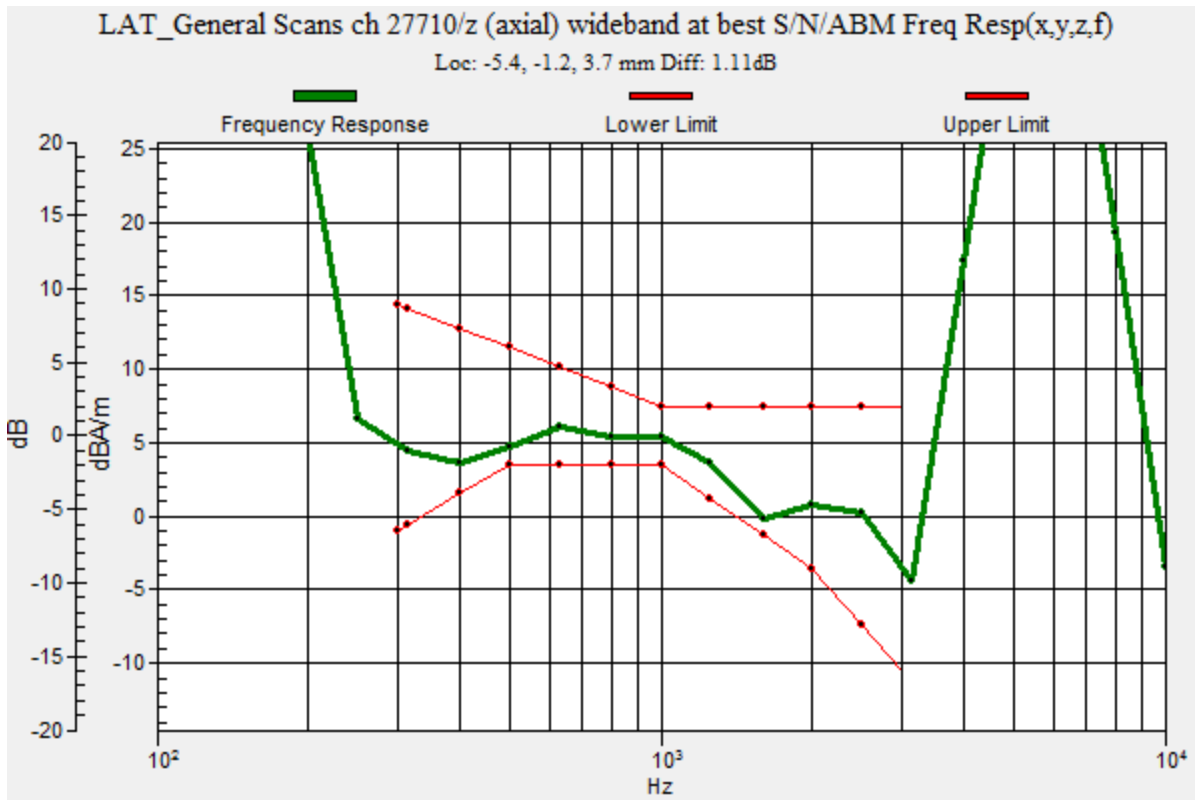
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.11 dB

BWC Factor = 10.81 dB

Location: -5.4, -1.2, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

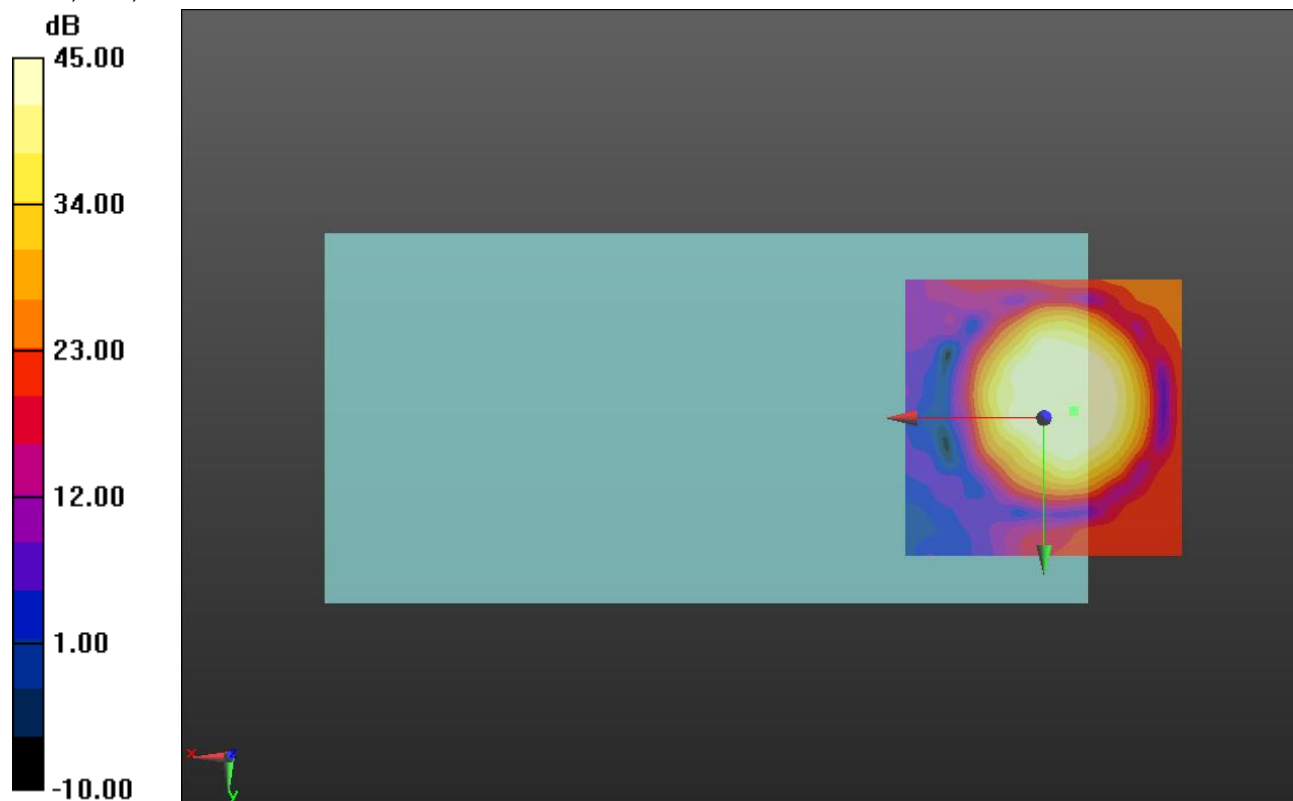
#### Cursor:

ABM1/ABM2 = 50.45 dB

ABM1 comp = 3.57 dBA/m

BWC Factor = 0.16 dB

Location: -5.4, -1.3, 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 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

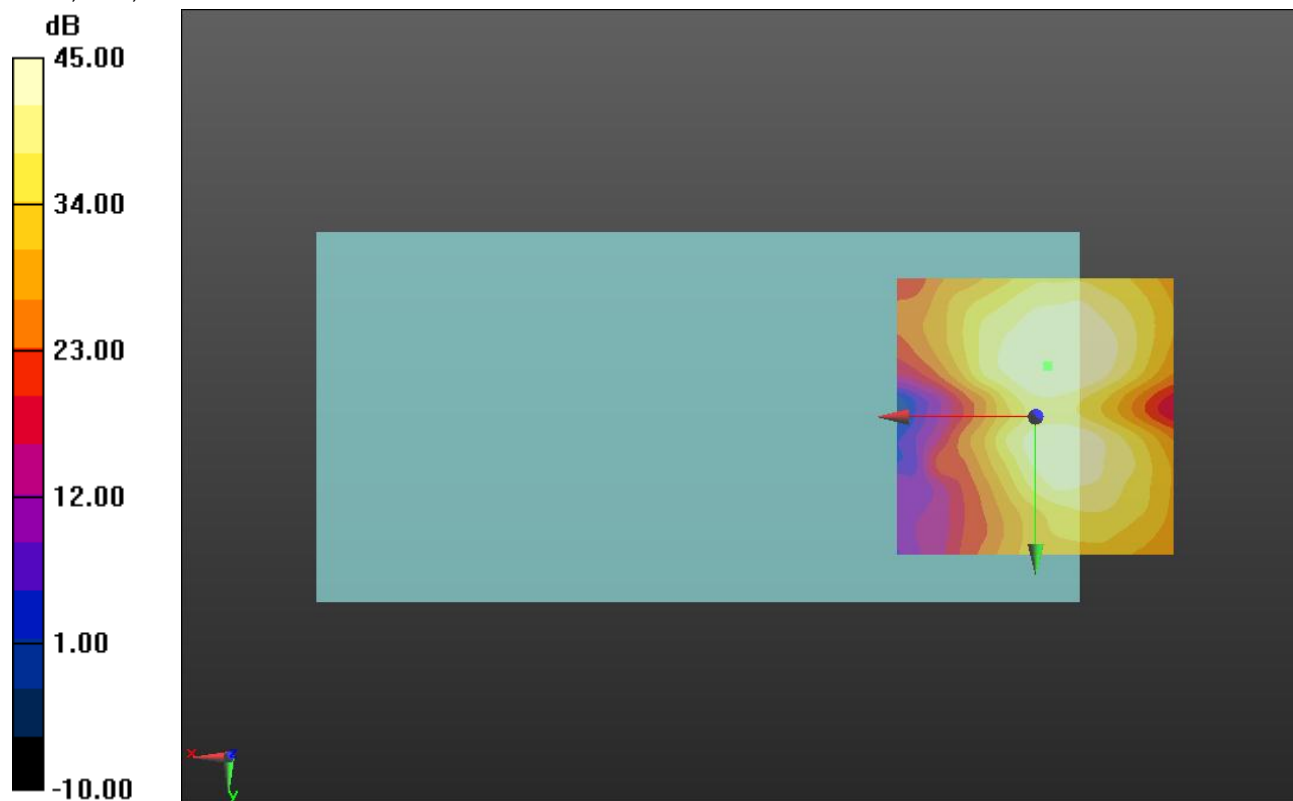
#### Cursor:

ABM1/ABM2 = 48.36 dB

ABM1 comp = -2.10 dBA/m

BWC Factor = 0.16 dB

Location: -2.1, -9.2, 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

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

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 54.24

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

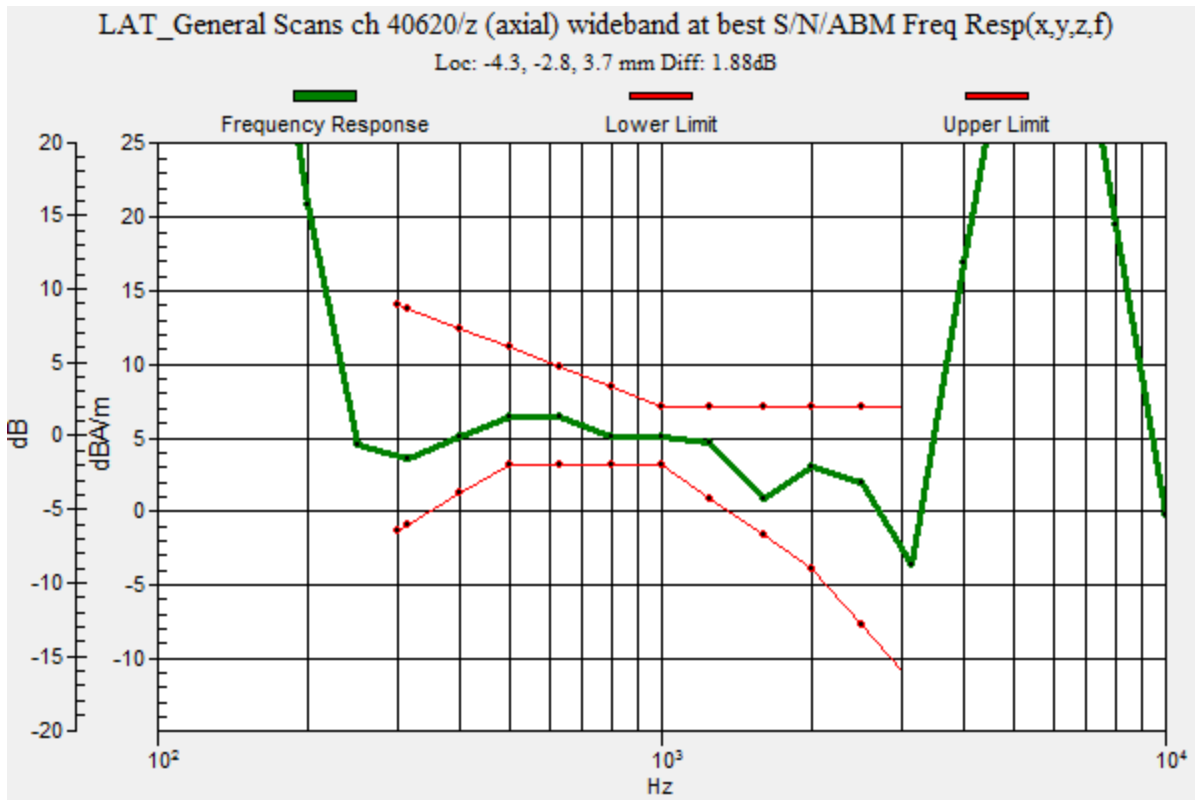
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.88 dB

BWC Factor = 10.80 dB

Location: -4.3, -2.8, 3.7 mm



### LTE Band 41\_Wideband

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

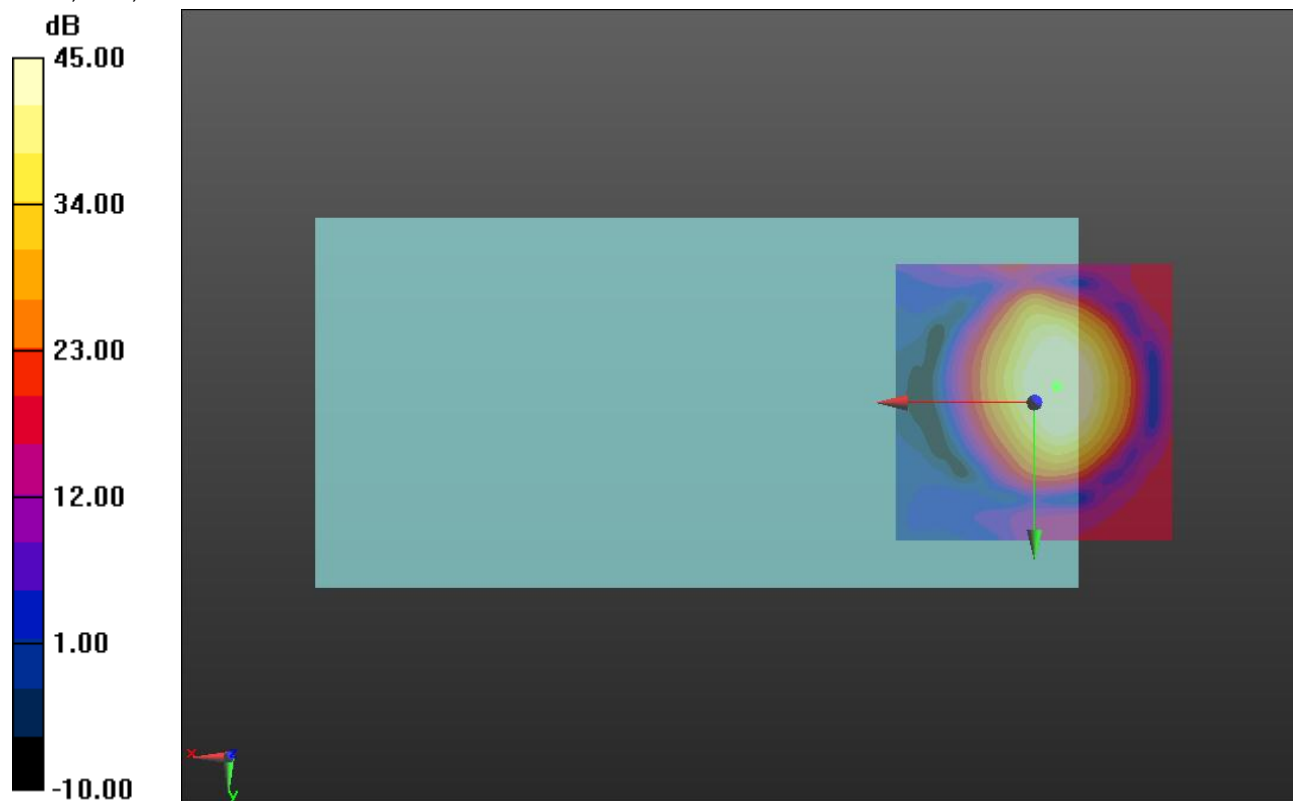
#### Cursor:

ABM1/ABM2 = 47.75 dB

ABM1 comp = 3.99 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -2.9, 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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/15/2015
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; 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 C63.19-2011 compliance)/LAT\_General Scans ch 40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 27.48

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

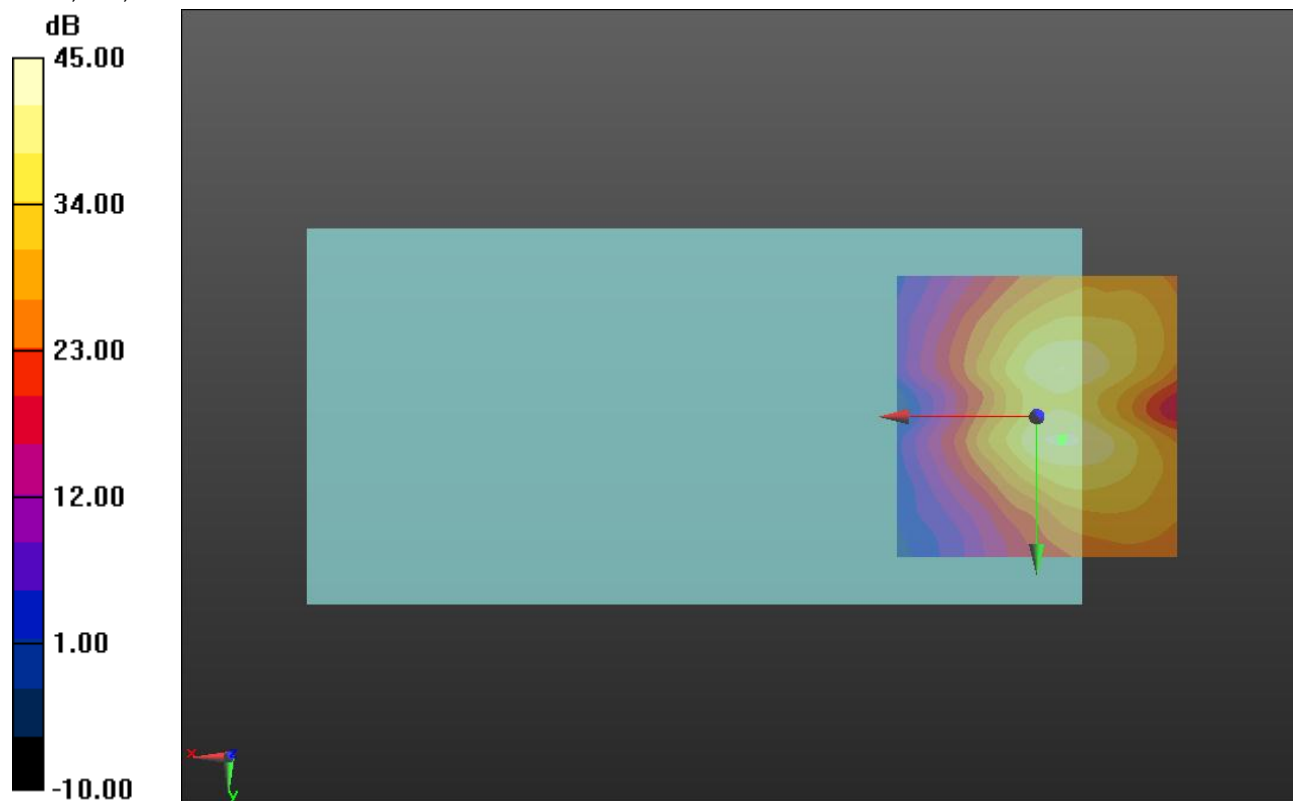
#### Cursor:

ABM1/ABM2 = 41.69 dB

ABM1 comp = -4.60 dBA/m

BWC Factor = 0.16 dB

Location: -4.6, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB