

### GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 848.8 MHz;Duty Cycle: 1:4.00037

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850\_EGPRS 2 Slot\_Ch. 251\_Port B 2/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

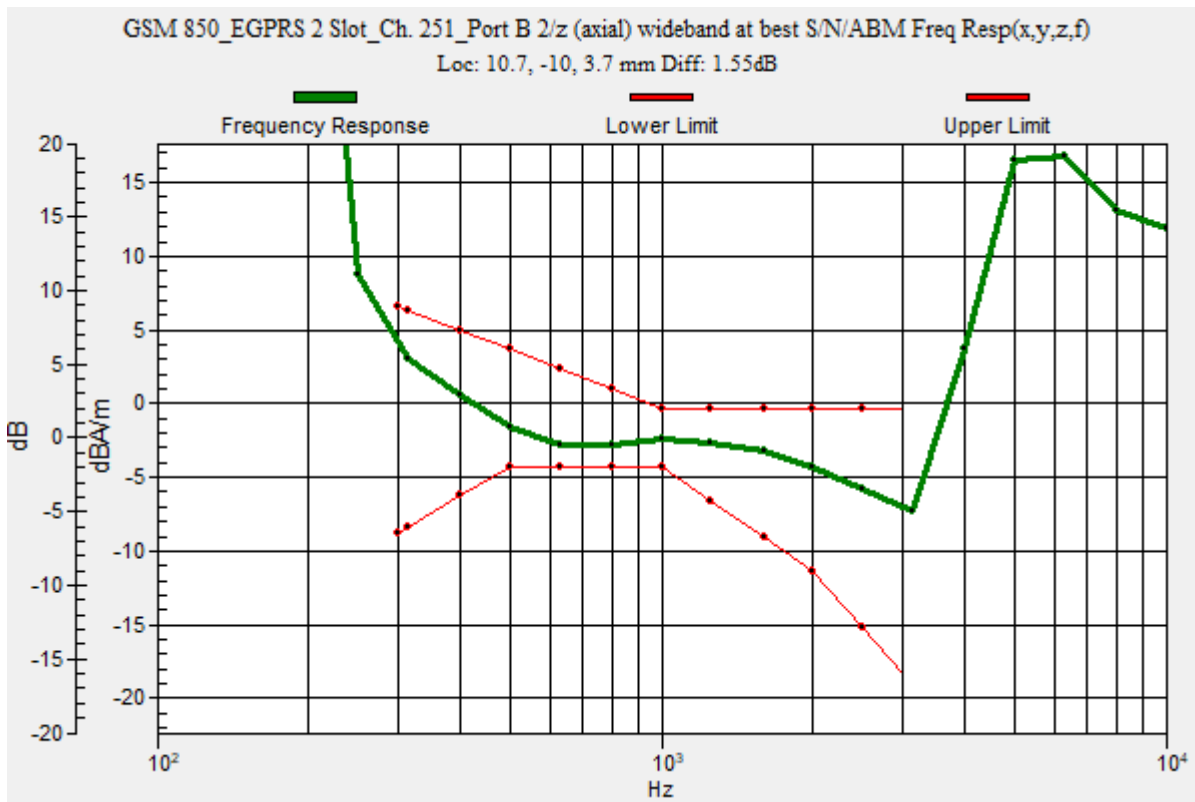
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.55 dB

BWC Factor = 10.80 dB

Location: 10.7, -10, 3.7 mm



### GSM 850

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850\_EGPRS 2 Slot\_Ch. 251\_Port B 2/z (axial) 4.2mm 50 x 50 2/ABM Interpolated SNR(x,y,z) (121x121x1):

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

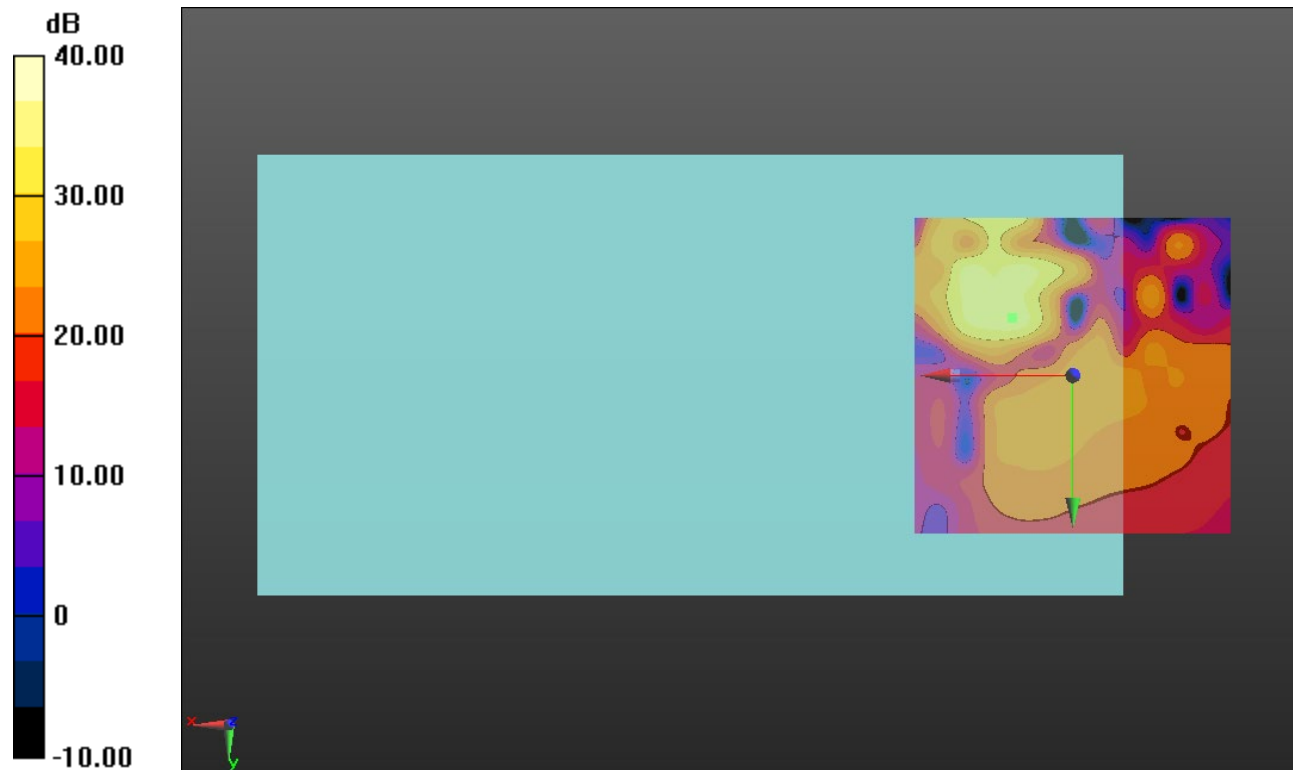
#### Cursor:

ABM1/ABM2 = 35.16 dB

ABM1 comp = -5.64 dBA/m

BWC Factor = 0.16 dB

Location: 9.6, -9.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### GSM 1900

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900\_EGPRS 2 Slot\_Ch. 810\_Port B/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

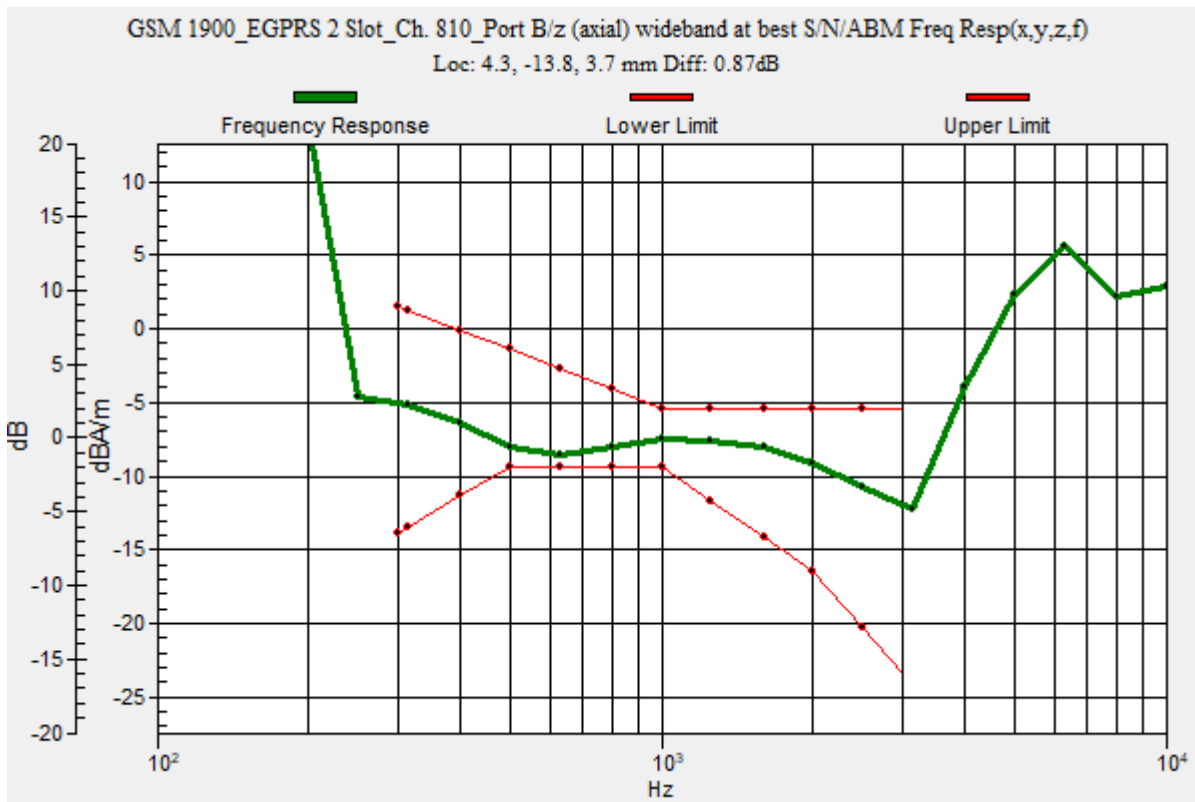
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.87 dB

BWC Factor = 10.80 dB

Location: 4.3, -13.8, 3.7 mm



### GSM 1900

Communication System: UID 0, 1@GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900\_EGPRS 2 Slot\_Ch.

**810\_Port B/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):** Measurement grid: dx=10mm, dy=10mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

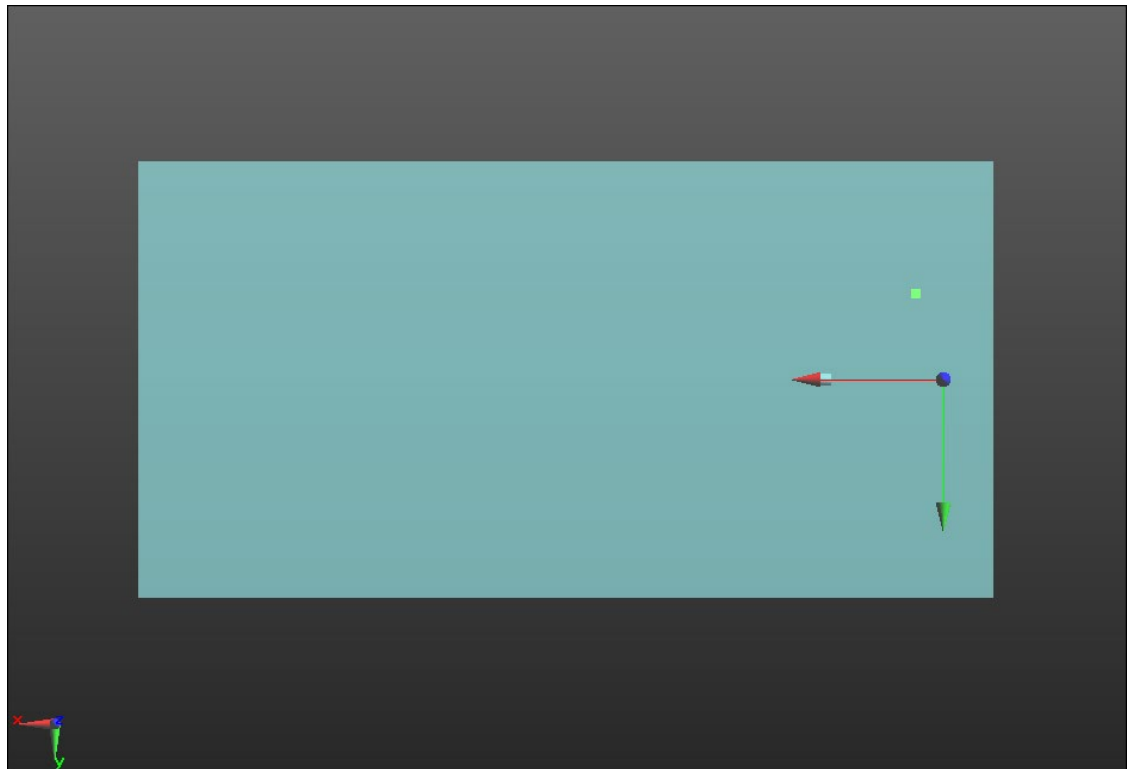
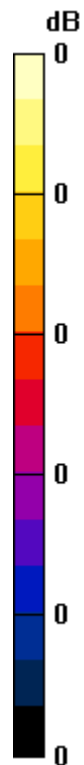
#### Cursor:

ABM1/ABM2 = 33.20 dB

ABM1 comp = -7.37 dBA/m

BWC Factor = 0.16 dB

Location: 4.3, -13.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

## W-CDMA Band II

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BII\_HSPA\_OTT\_Ch.

**9400\_Port D/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

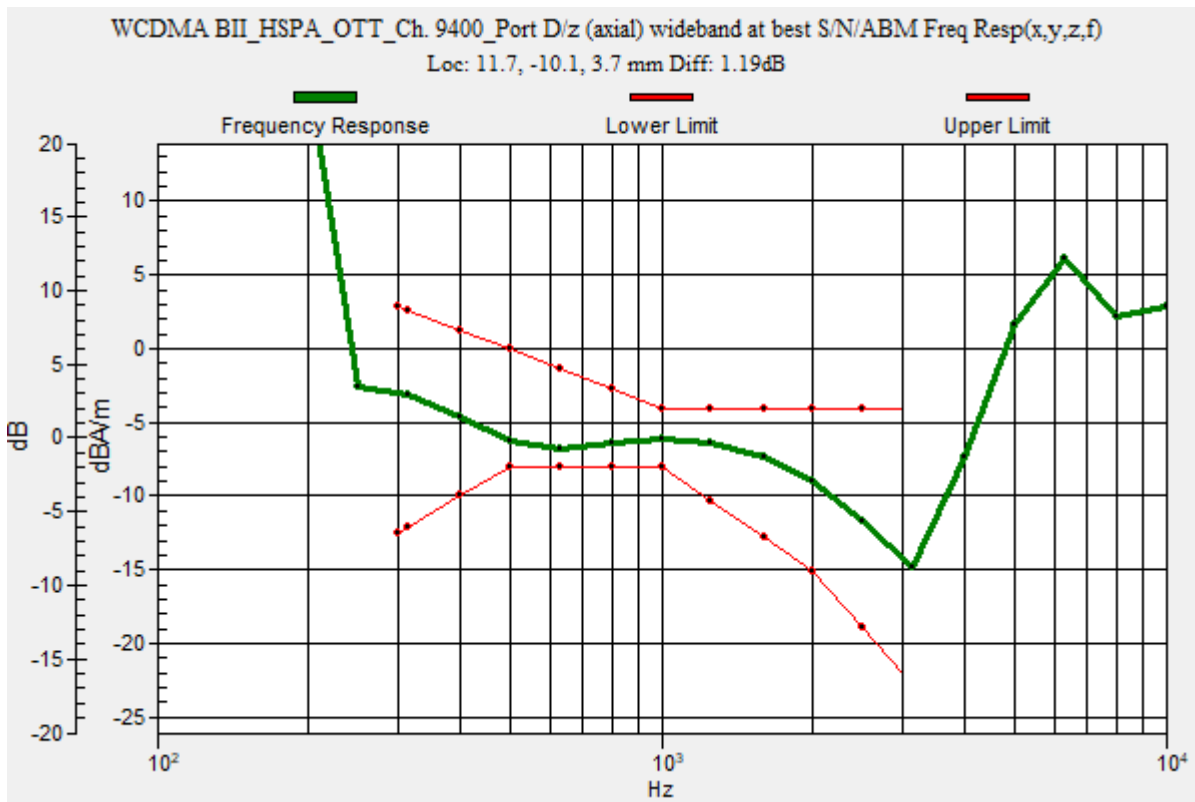
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.19 dB

BWC Factor = 10.80 dB

Location: 11.7, -10.1, 3.7 mm



## W-CDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BII\_HSPA\_OTT\_Ch.

**9400\_Port D/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

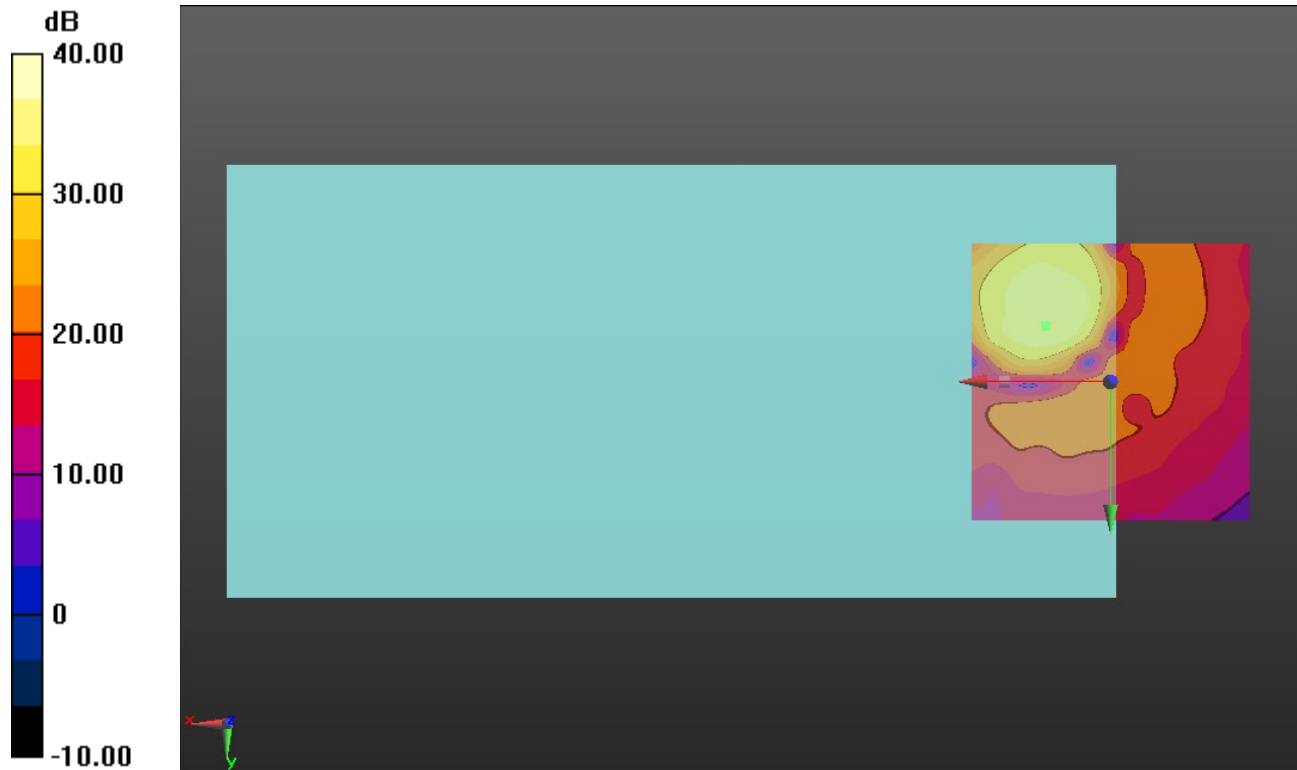
#### Cursor:

ABM1/ABM2 = 35.57 dB

ABM1 comp = -5.90 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB

### W-CDMA Band IV

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BIV\_HSPA\_OTT\_Ch.

**1413\_Port D/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

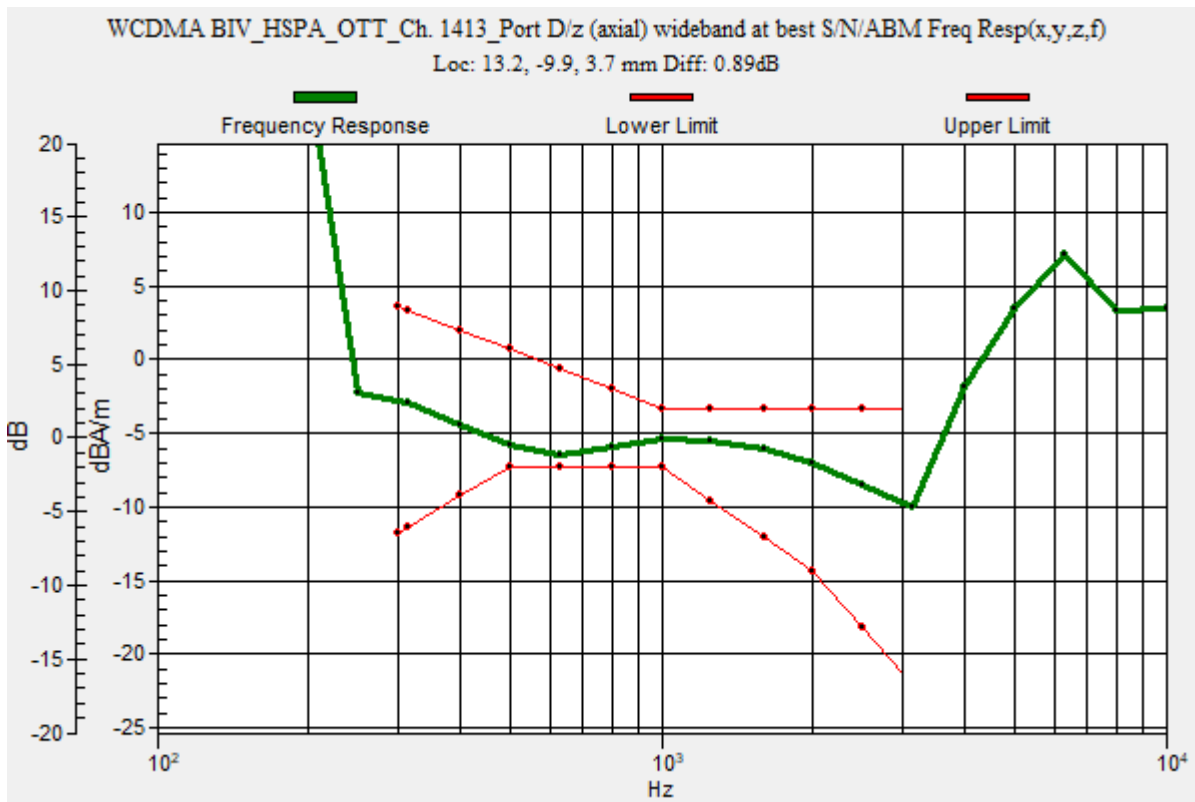
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.89 dB

BWC Factor = 10.80 dB

Location: 13.2, -9.9, 3.7 mm



### W-CDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BIV\_HSPA\_OTT\_Ch.

**1413\_Port D/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

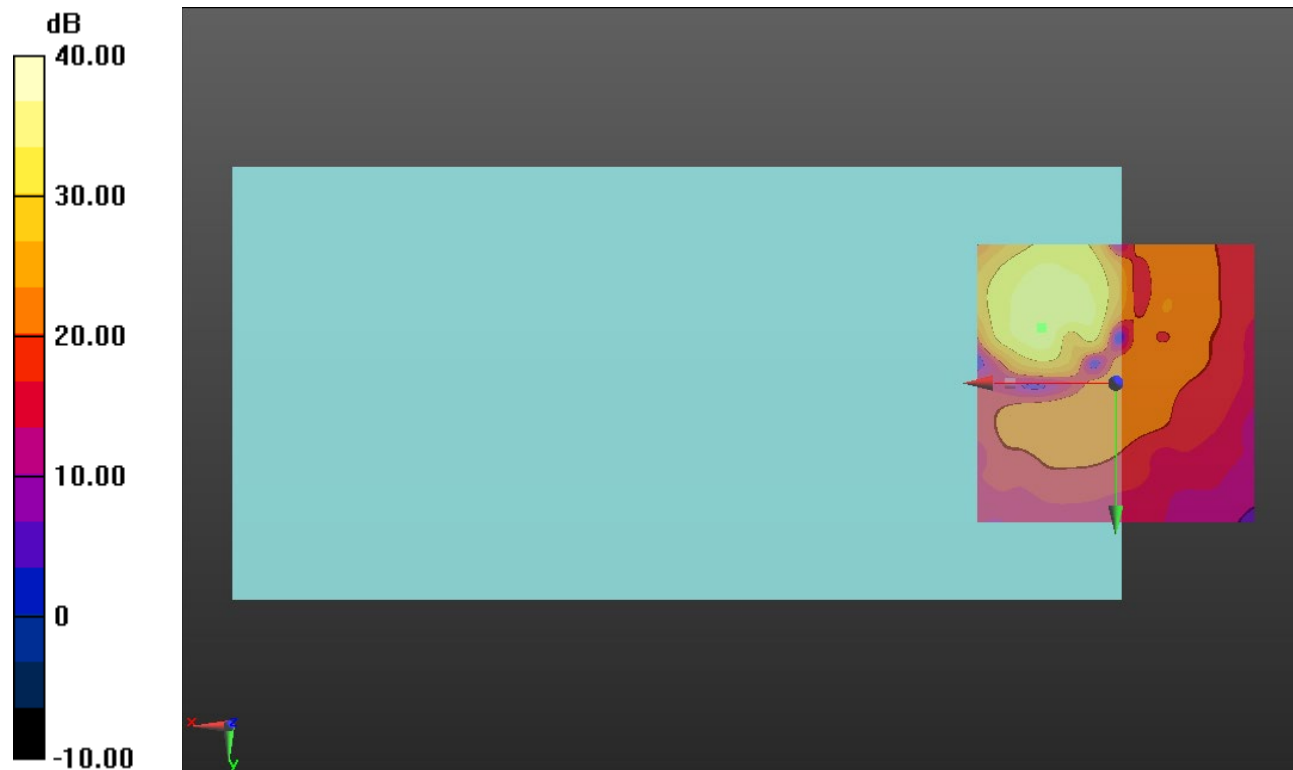
#### Cursor:

ABM1/ABM2 = 35.75 dB

ABM1 comp = -4.74 dBA/m

BWC Factor = 0.16 dB

Location: 13.3, -10, 3.7 mm



0 dB = 1.000 = 0.00 dB



### W-CDMA Band V

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BV\_HSPA\_OTT\_Ch.

**4183\_Port B/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

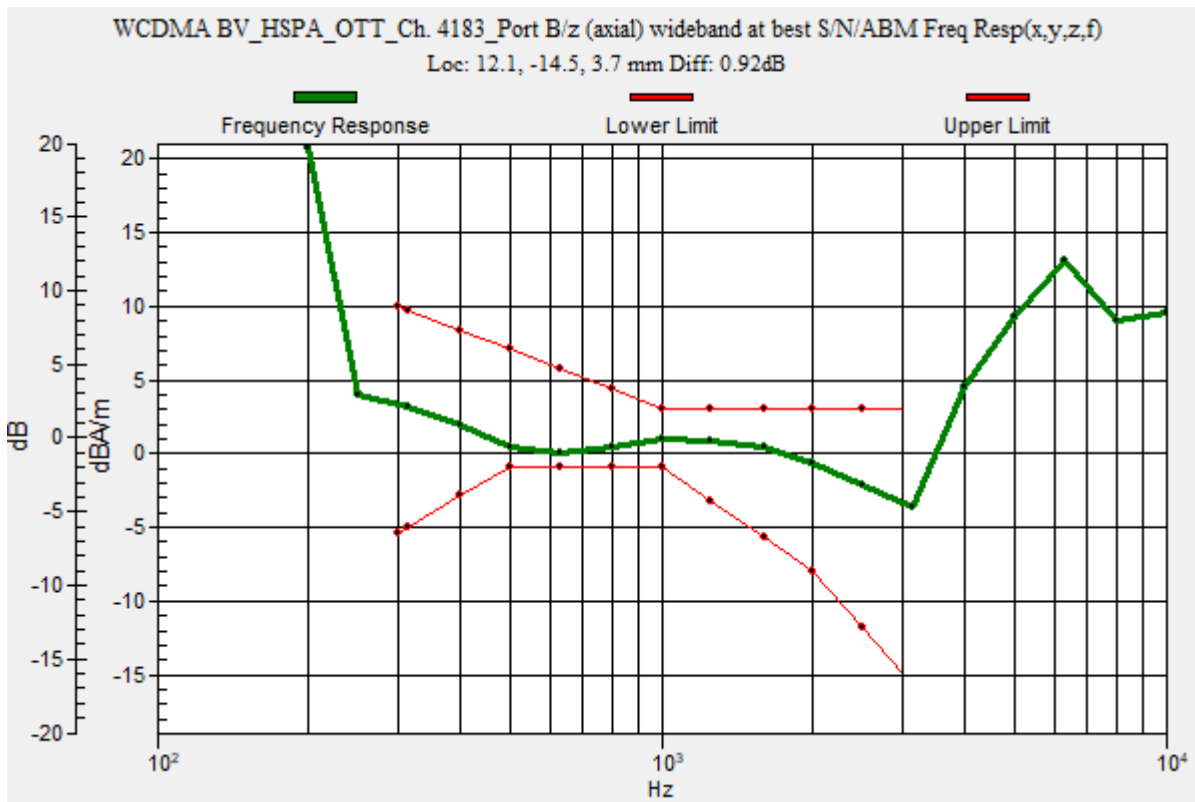
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.92 dB

BWC Factor = 10.80 dB

Location: 12.1, -14.5, 3.7 mm



### W-CDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BV\_HSPA\_OTT\_Ch. 4183\_Port B/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated

grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

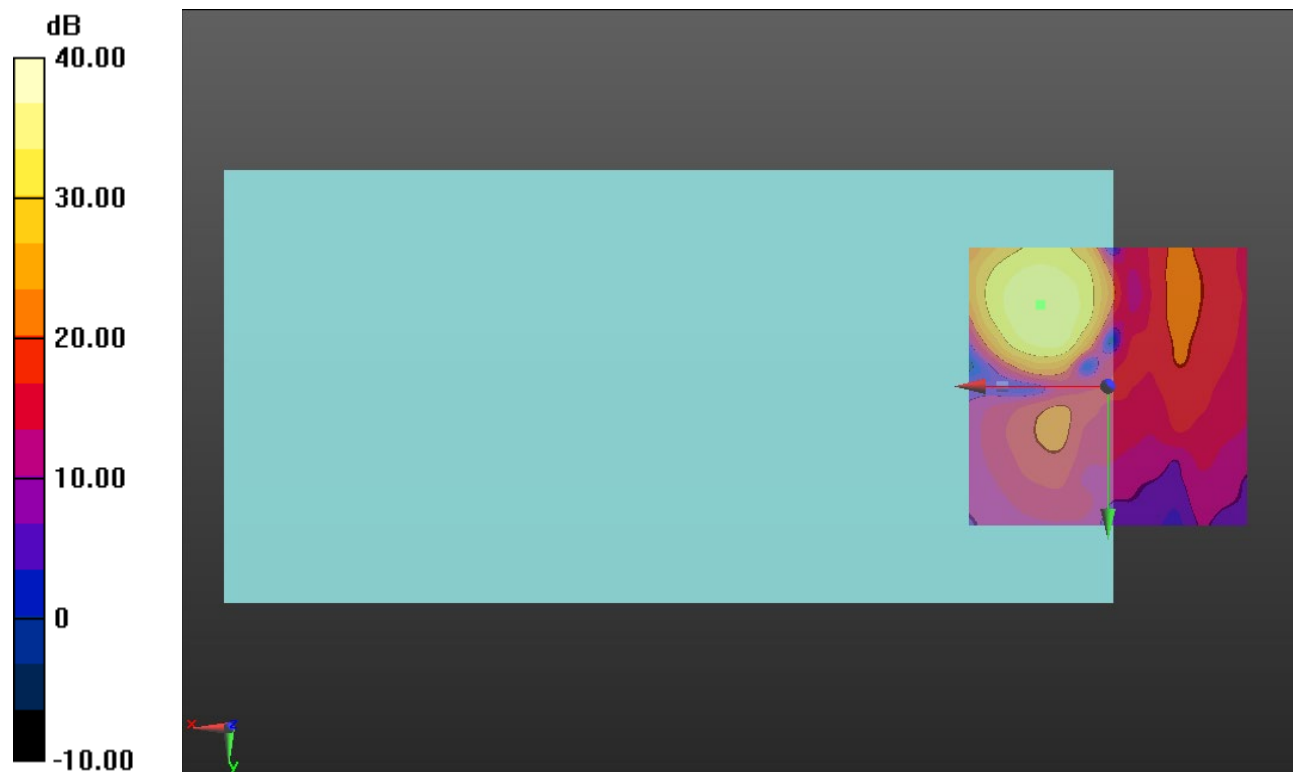
#### Cursor:

ABM1/ABM2 = 35.92 dB

ABM1 comp = 0.93 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -14.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

## LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1900 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 19100\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

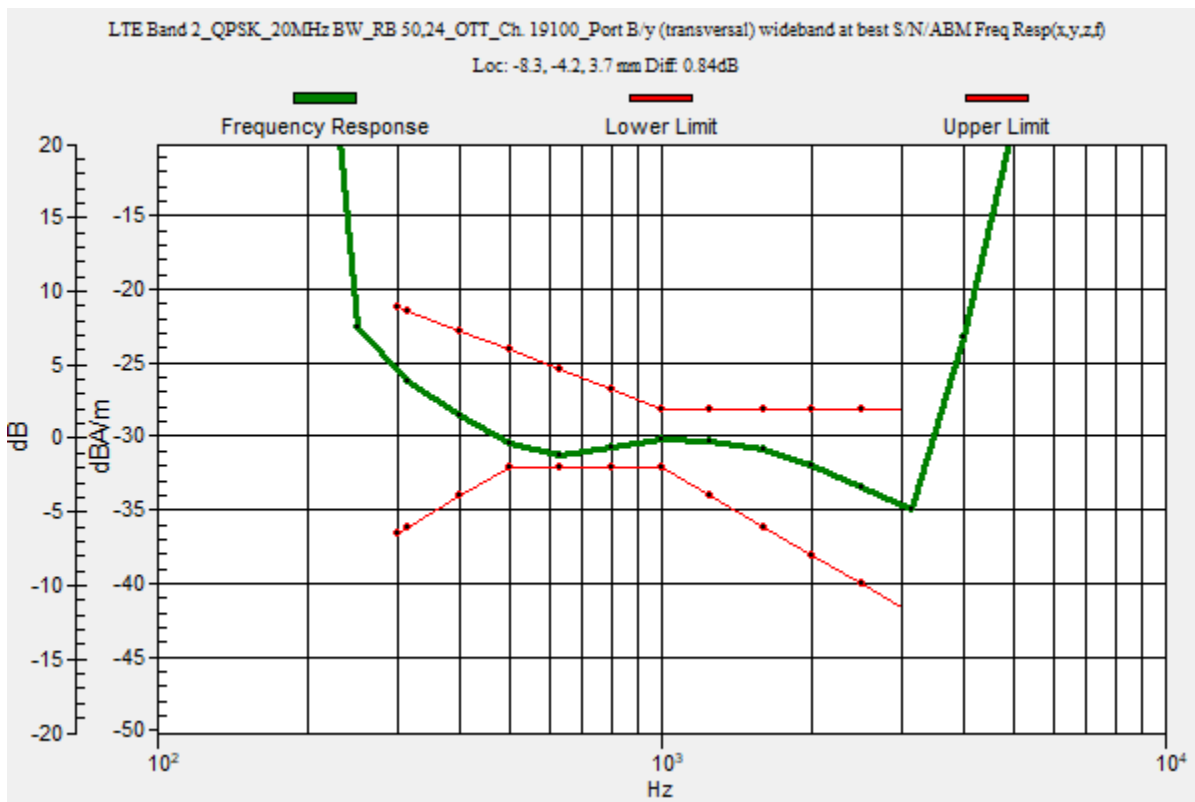
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.84 dB

BWC Factor = 10.80 dB

Location: -8.3, -4.2, 3.7 mm



## LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 19100\_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

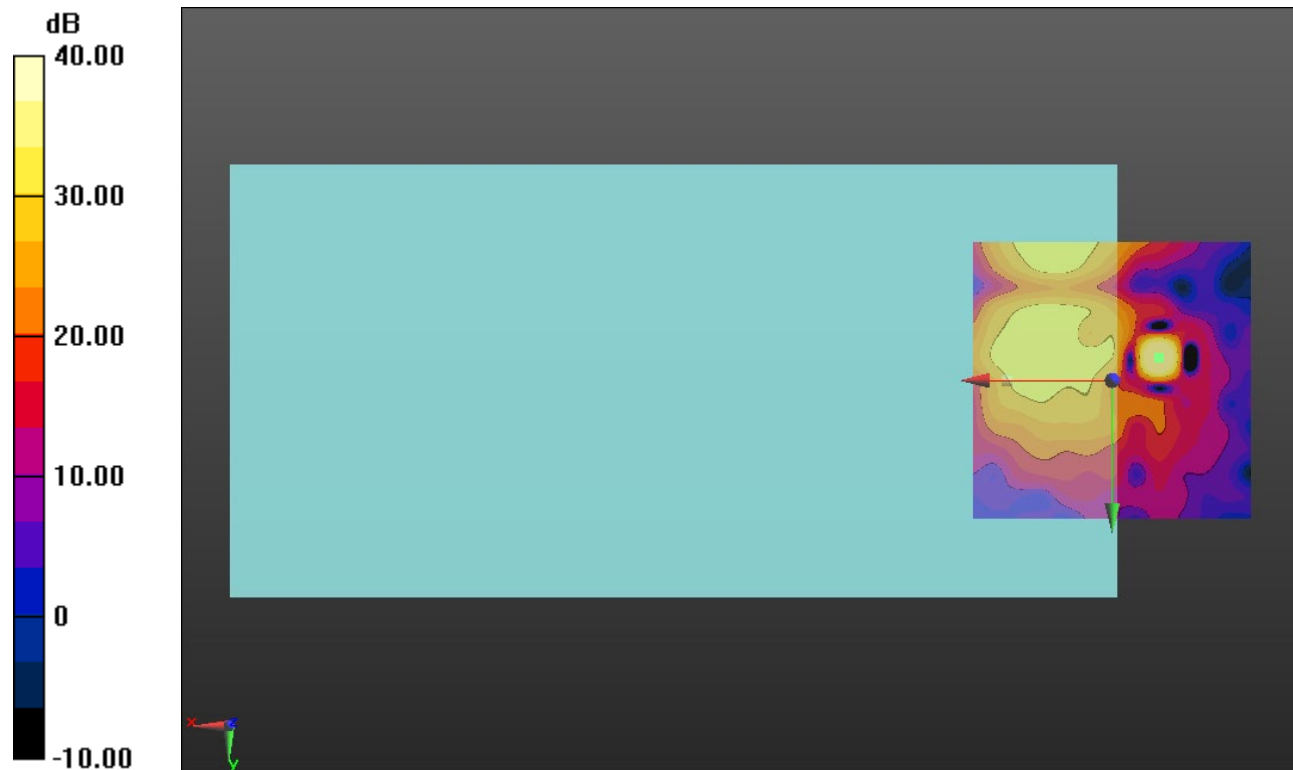
#### Cursor:

ABM1/ABM2 = 45.48 dB

ABM1 comp = -8.07 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 4

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 20300\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

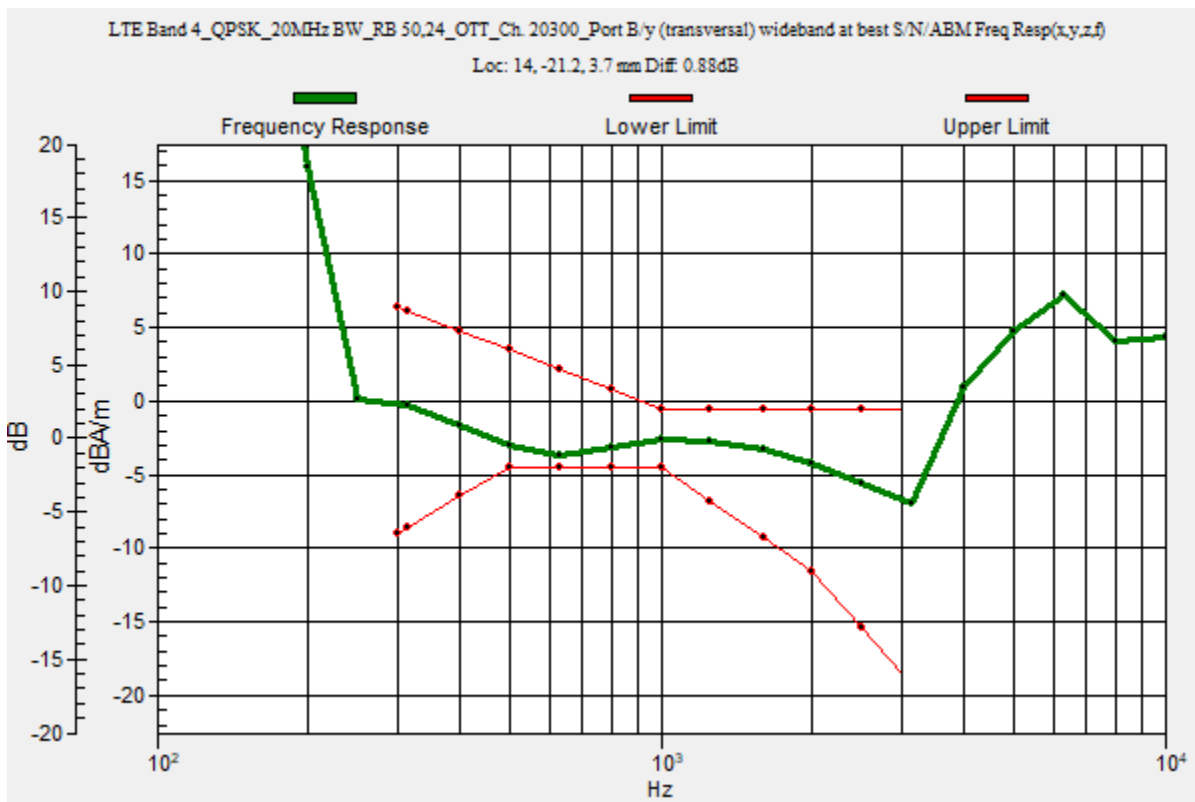
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.88 dB

BWC Factor = 10.80 dB

Location: 14, -21.2, 3.7 mm



### LTE Band 4

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 20300\_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

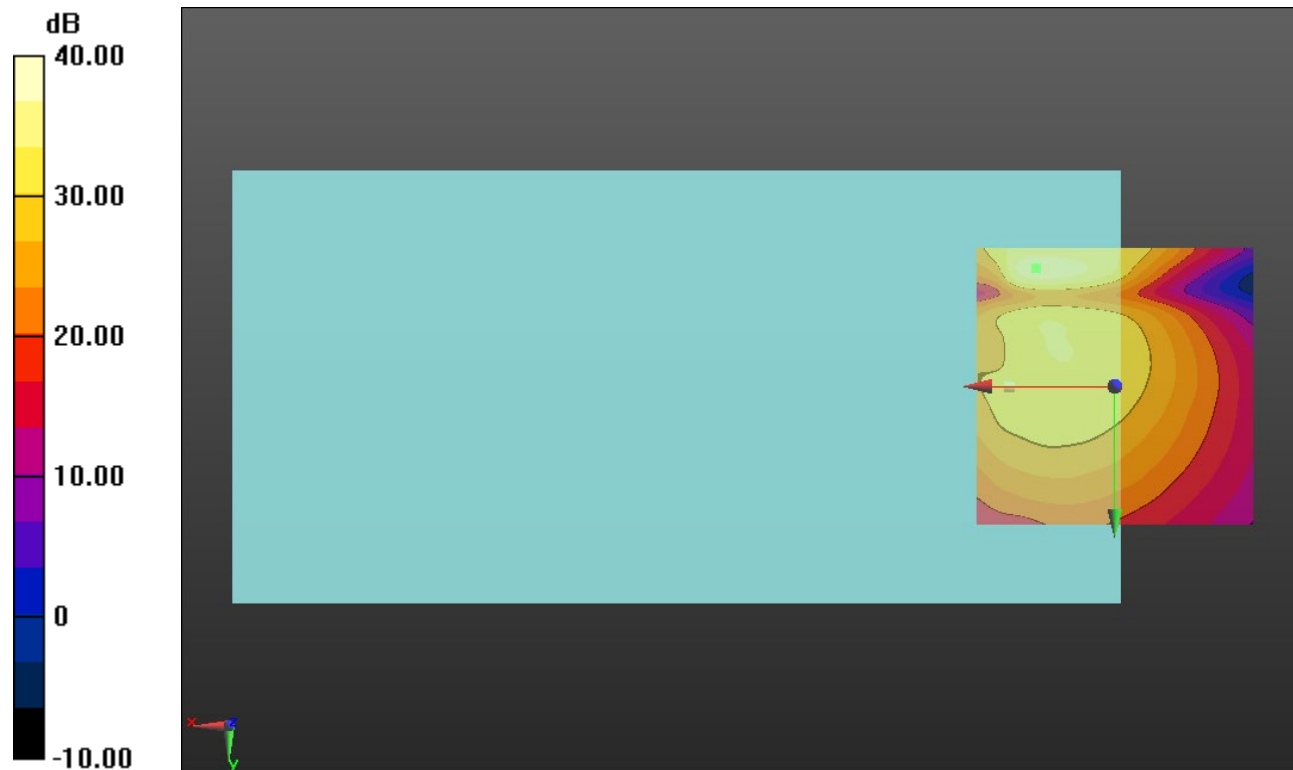
#### Cursor:

ABM1/ABM2 = 38.73 dB

ABM1 comp = -2.85 dBA/m

BWC Factor = 0.16 dB

Location: 14.2, -21.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 5

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 844 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 20600\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

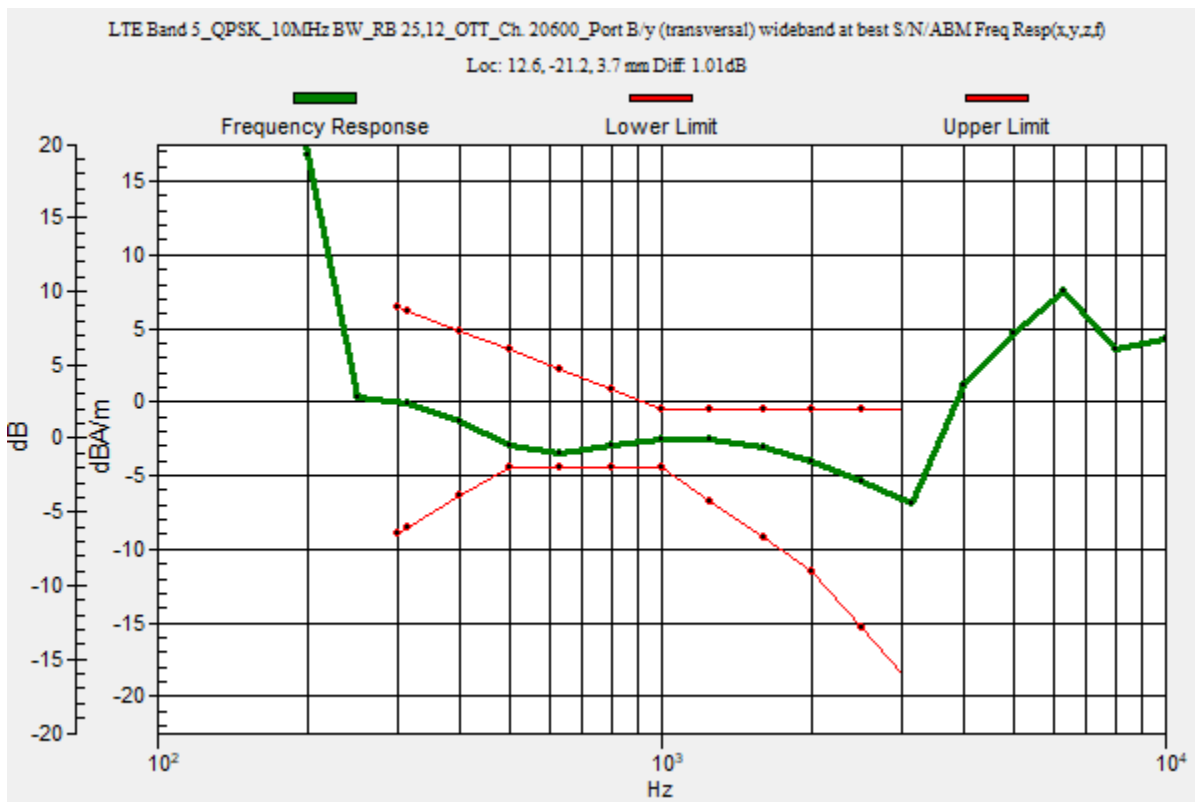
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.01 dB

BWC Factor = 10.80 dB

Location: 12.6, -21.2, 3.7 mm



## LTE Band 5

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 20600\_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

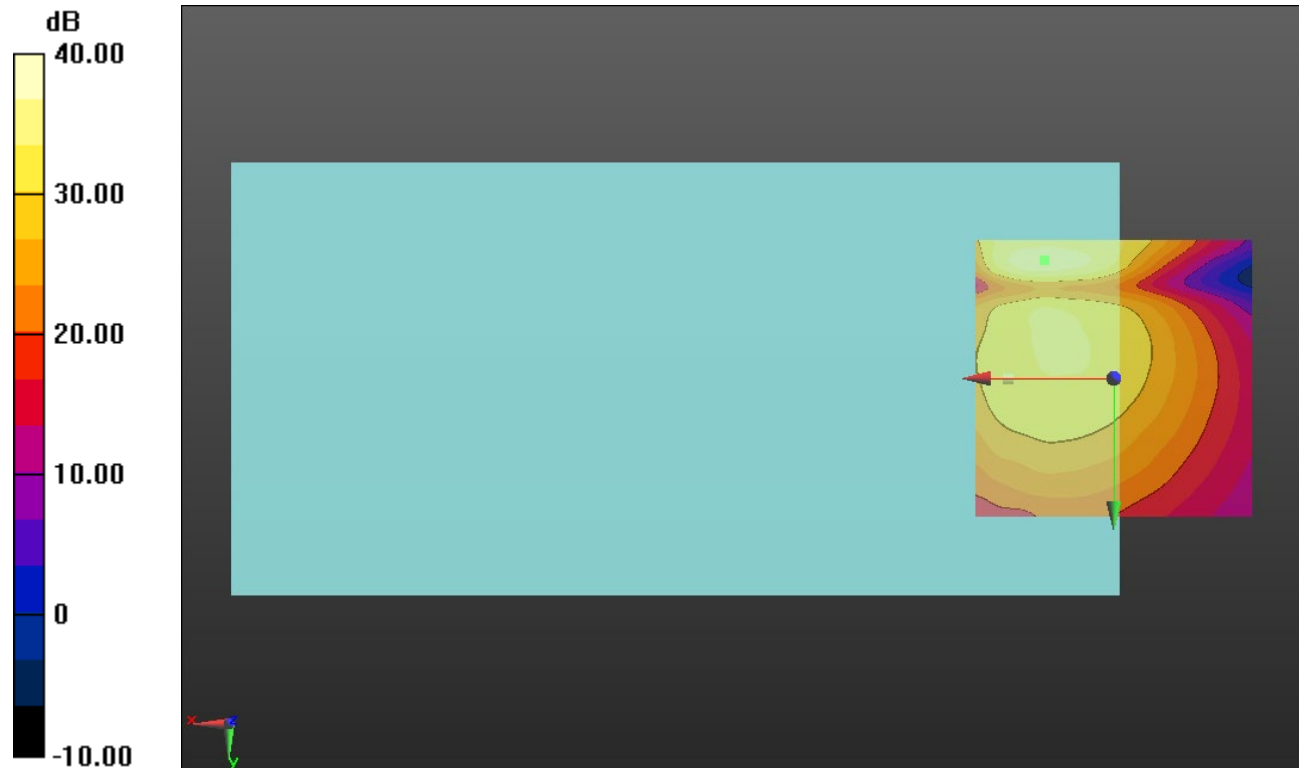
#### Cursor:

ABM1/ABM2 = 39.19 dB

ABM1 comp = -2.71 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -21.3, 3.7 mm



0 dB = 1.000 = 0.00 dB



### LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2560 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 21350\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

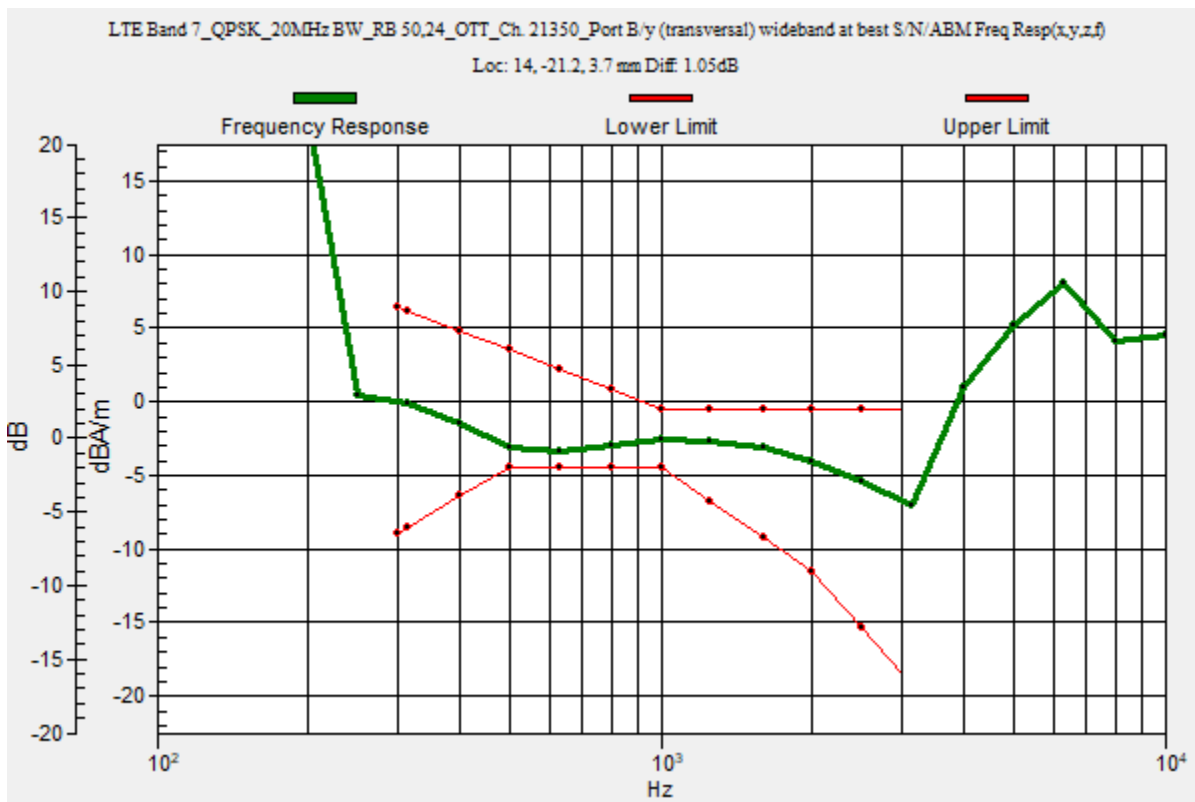
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.05 dB

BWC Factor = 10.80 dB

Location: 14, -21.2, 3.7 mm



## LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2560 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 21350\_Port B/y (transversal) Single Point/ABM SNR(x,y,z) (1x1x1):

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

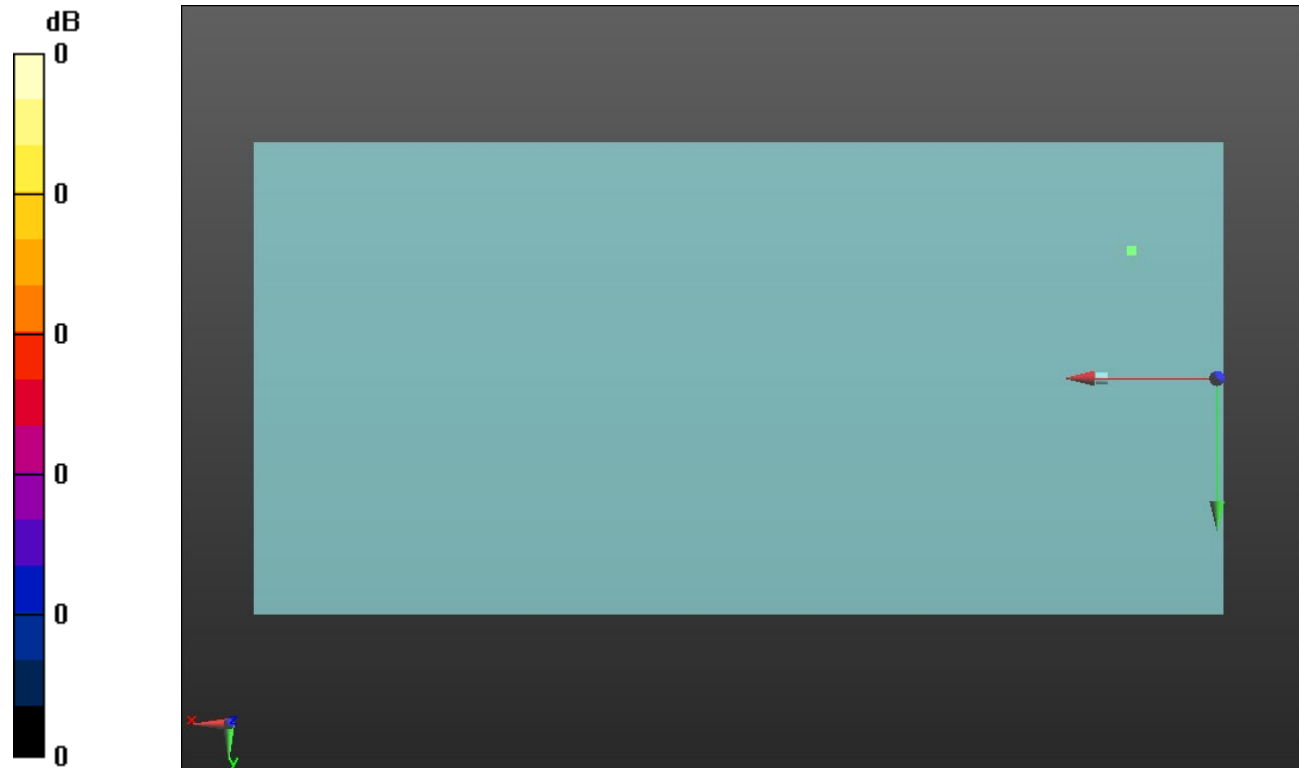
#### Cursor:

ABM1/ABM2 = 38.32 dB

ABM1 comp = -2.36 dBA/m

BWC Factor = 0.16 dB

Location: 14, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 12

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 711 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23130\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

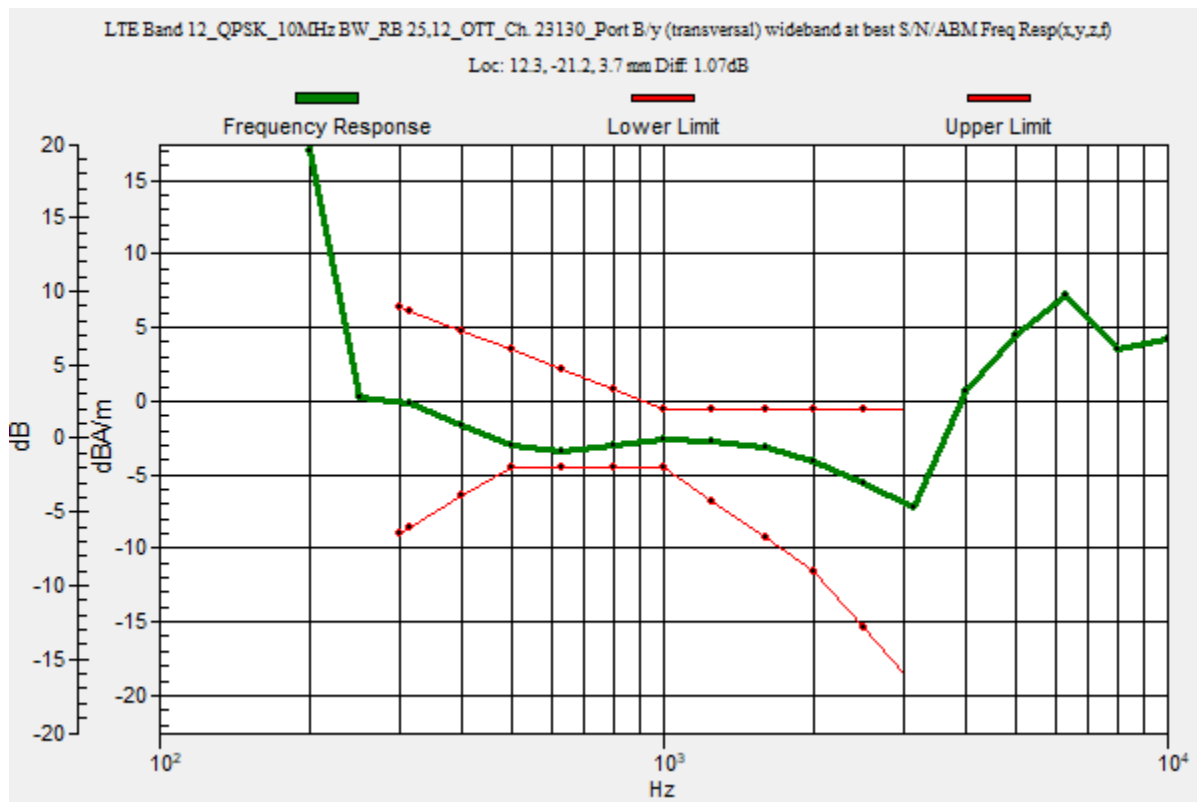
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 1.07 dB

BWC Factor = 10.80 dB

Location: 12.3, -21.2, 3.7 mm



## LTE Band 12

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 711 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23130\_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

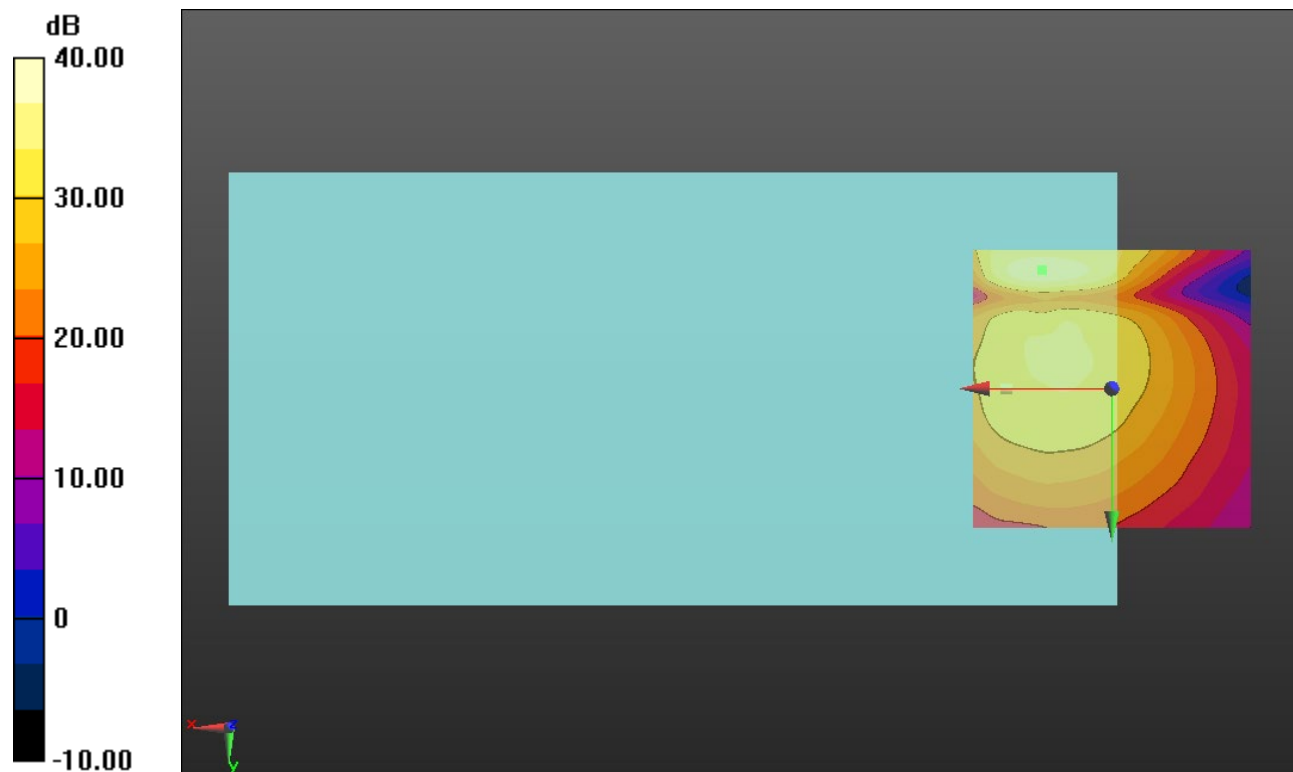
#### Cursor:

ABM1/ABM2 = 39.17 dB

ABM1 comp = -2.62 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -21.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 13

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23230\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

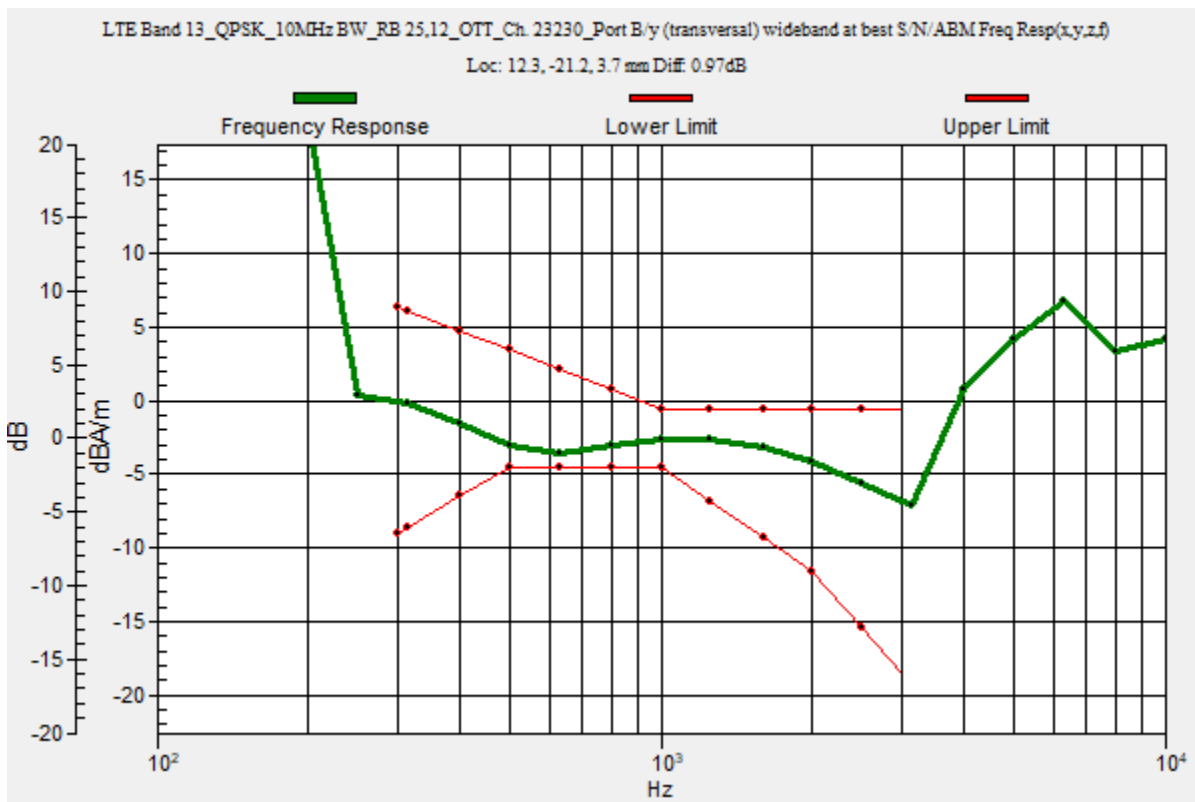
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.97 dB

BWC Factor = 10.80 dB

Location: 12.3, -21.2, 3.7 mm



### LTE Band 13

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23230\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

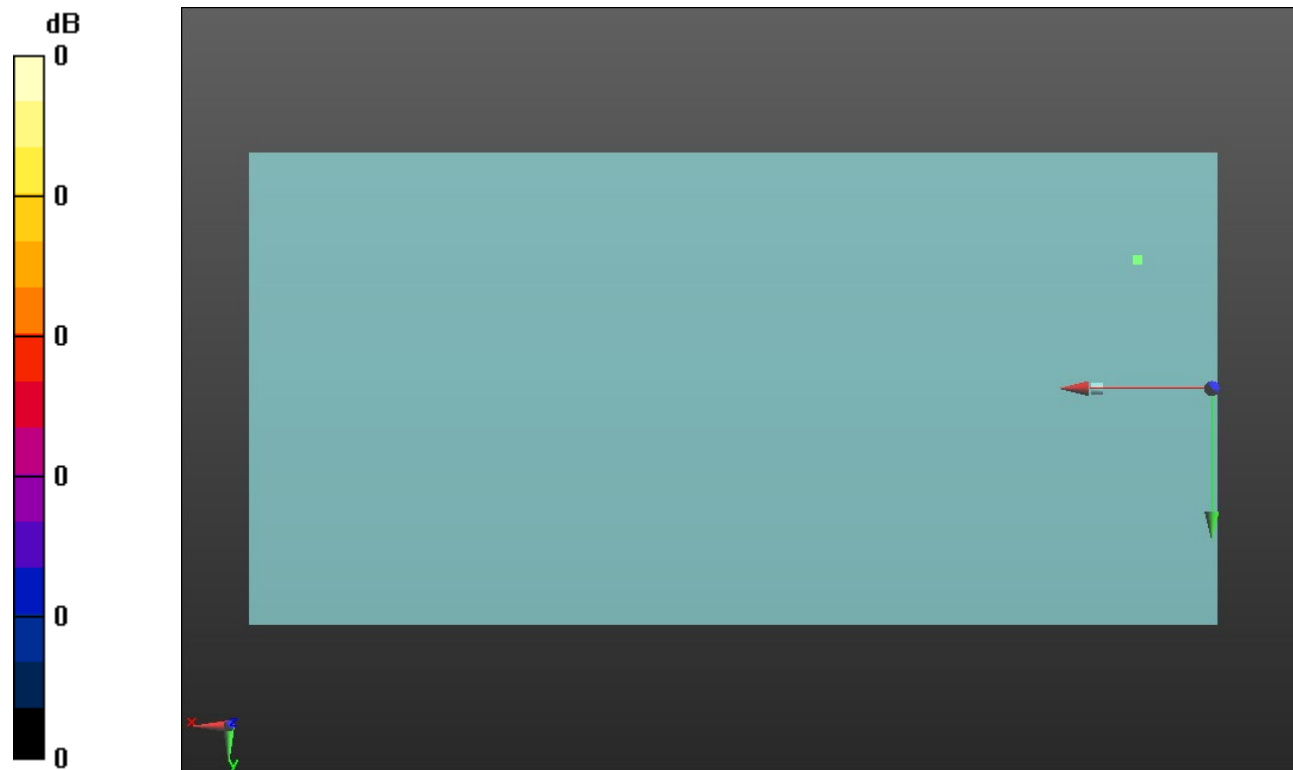
#### Cursor:

ABM1/ABM2 = 38.83 dB

ABM1 comp = -2.50 dBA/m

BWC Factor = 0.16 dB

Location: 12.3, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 14

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 793 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23330\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

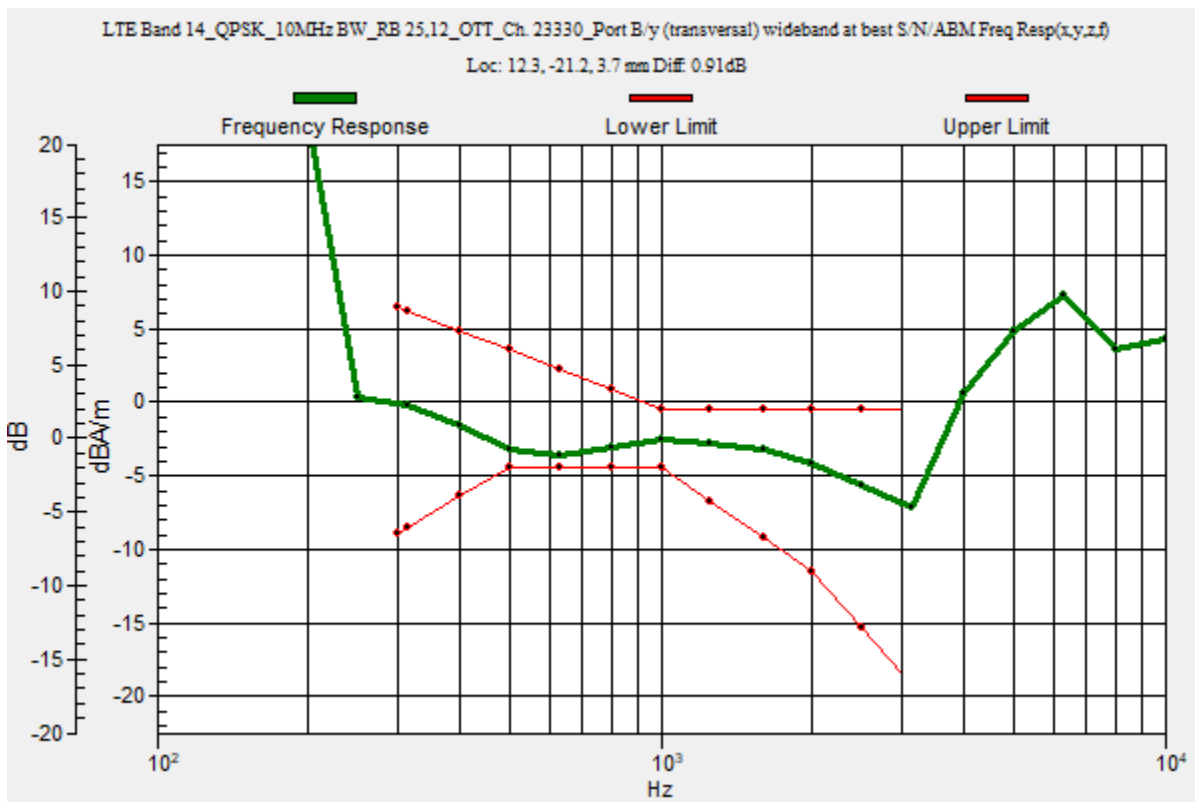
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.91 dB

BWC Factor = 10.80 dB

Location: 12.3, -21.2, 3.7 mm



## LTE Band 14

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 793 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23330\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 38.87 dB

ABM1 comp = -2.52 dBA/m

BWC Factor = 0.16 dB

Location: 12.3, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB



### LTE Band 17

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23790\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

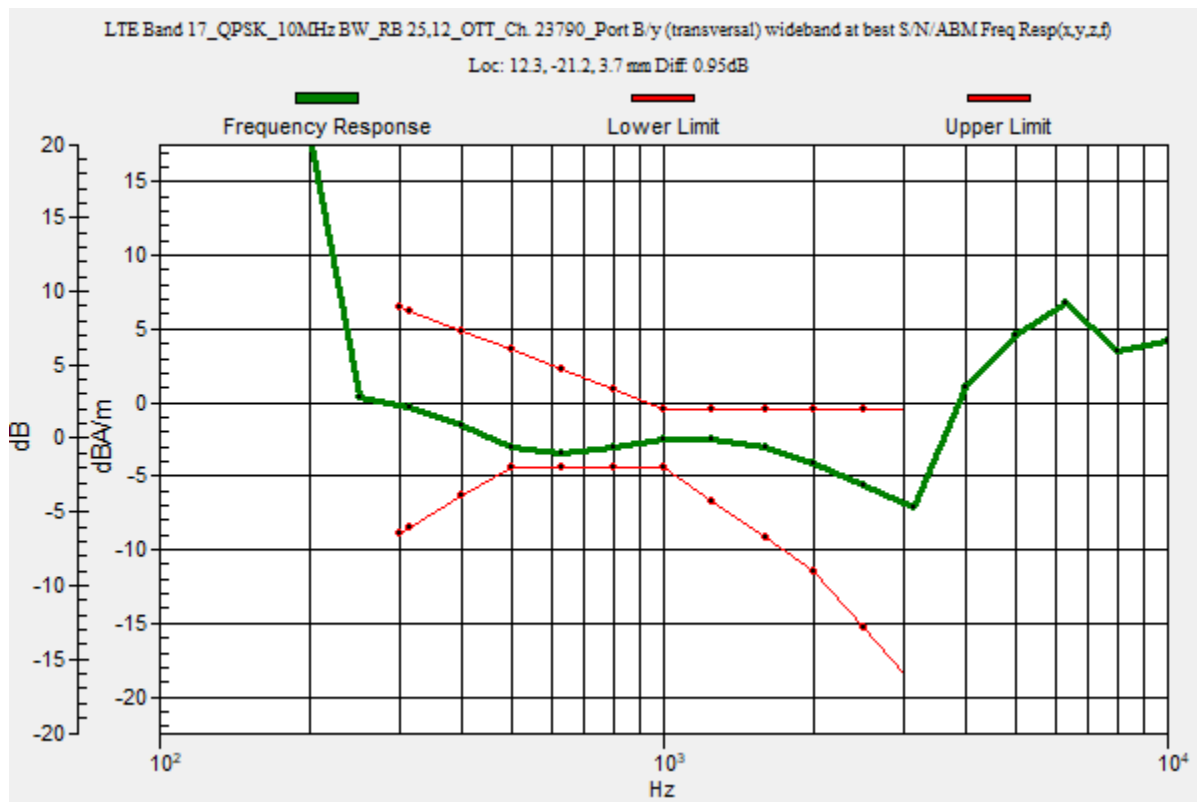
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.95 dB

BWC Factor = 10.80 dB

Location: 12.3, -21.2, 3.7 mm



## LTE Band 17

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 23790\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

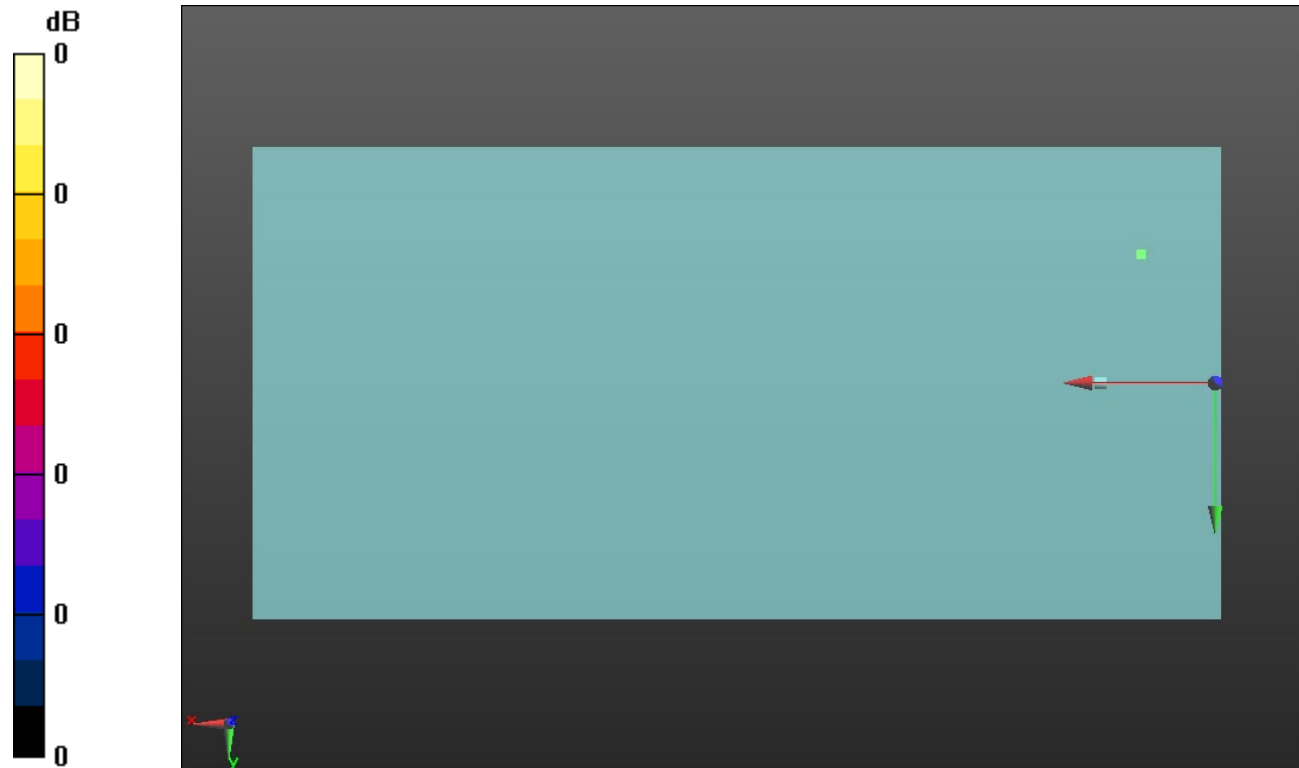
#### Cursor:

ABM1/ABM2 = 38.80 dB

ABM1 comp = -2.46 dBA/m

BWC Factor = 0.16 dB

Location: 12.3, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 25

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1905 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 26590\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

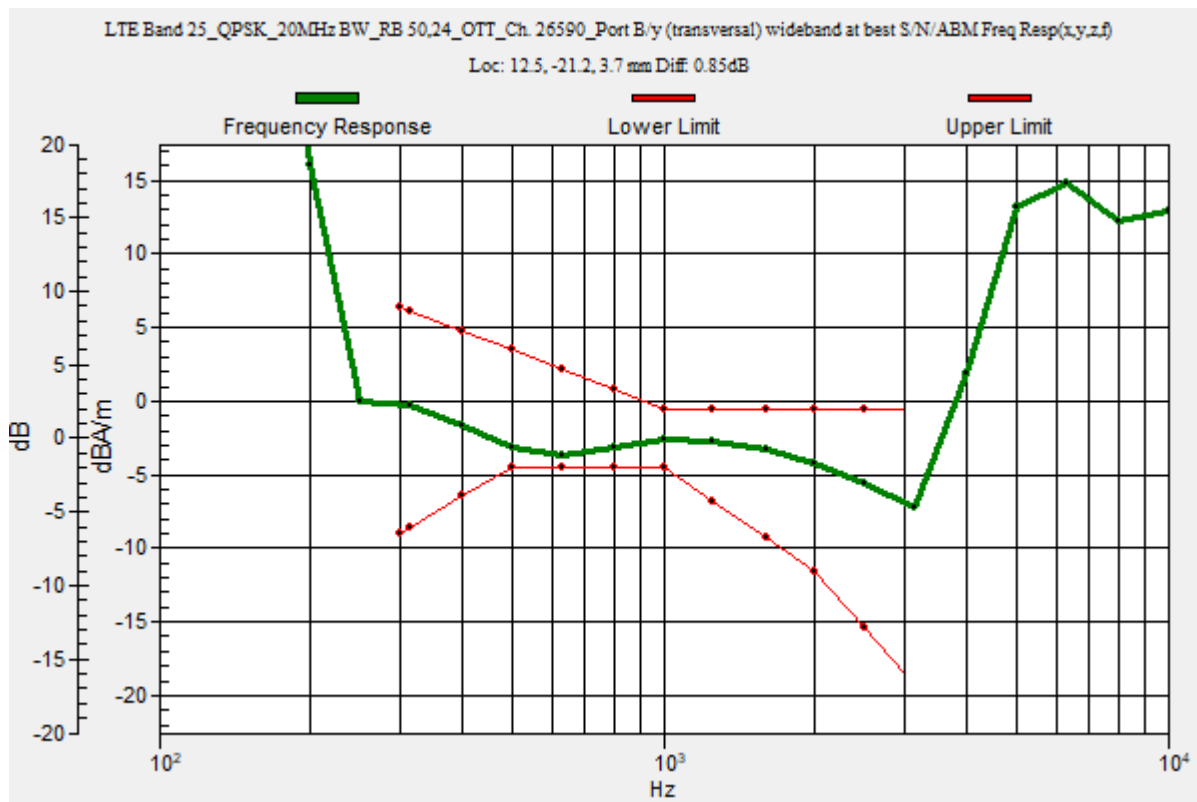
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.85 dB

BWC Factor = 10.80 dB

Location: 12.5, -21.2, 3.7 mm



## LTE Band 25

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1905 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 26590\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

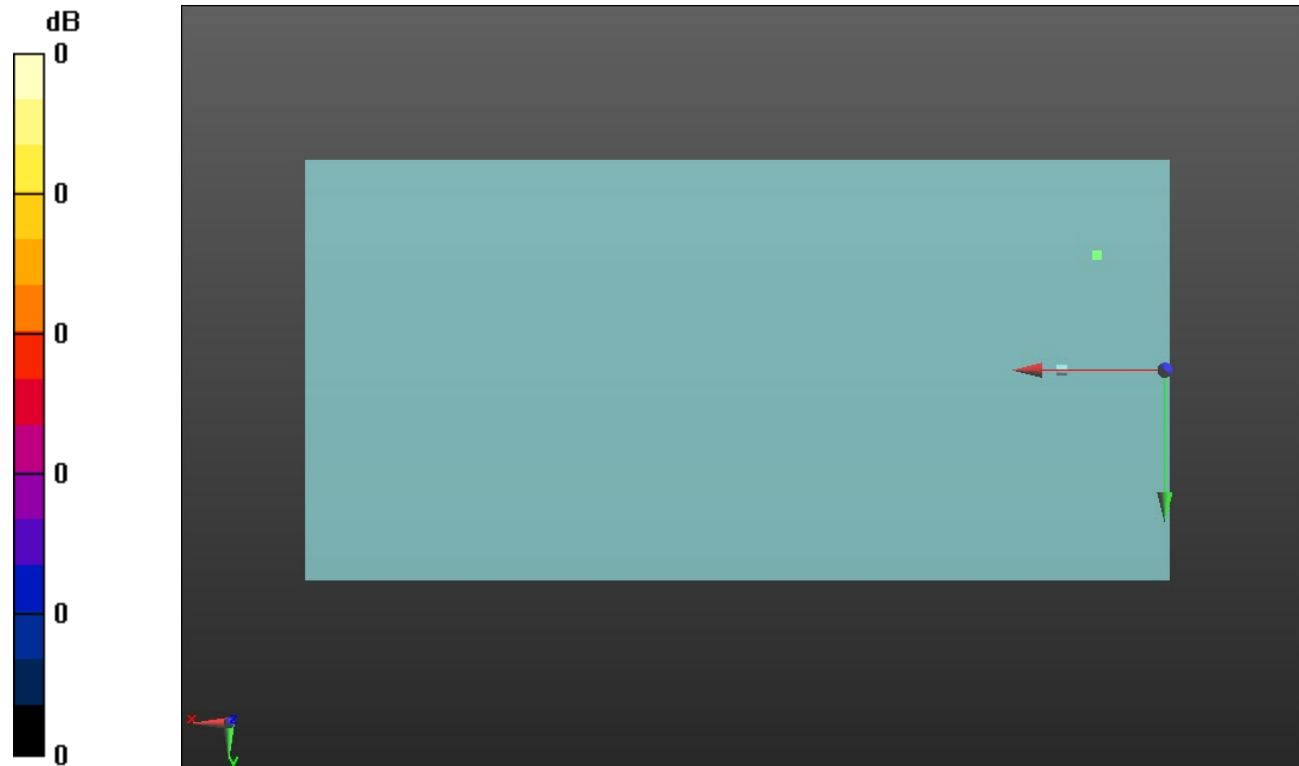
#### Cursor:

ABM1/ABM2 = 33.31 dB

ABM1 comp = -2.55 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 844 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 26990\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

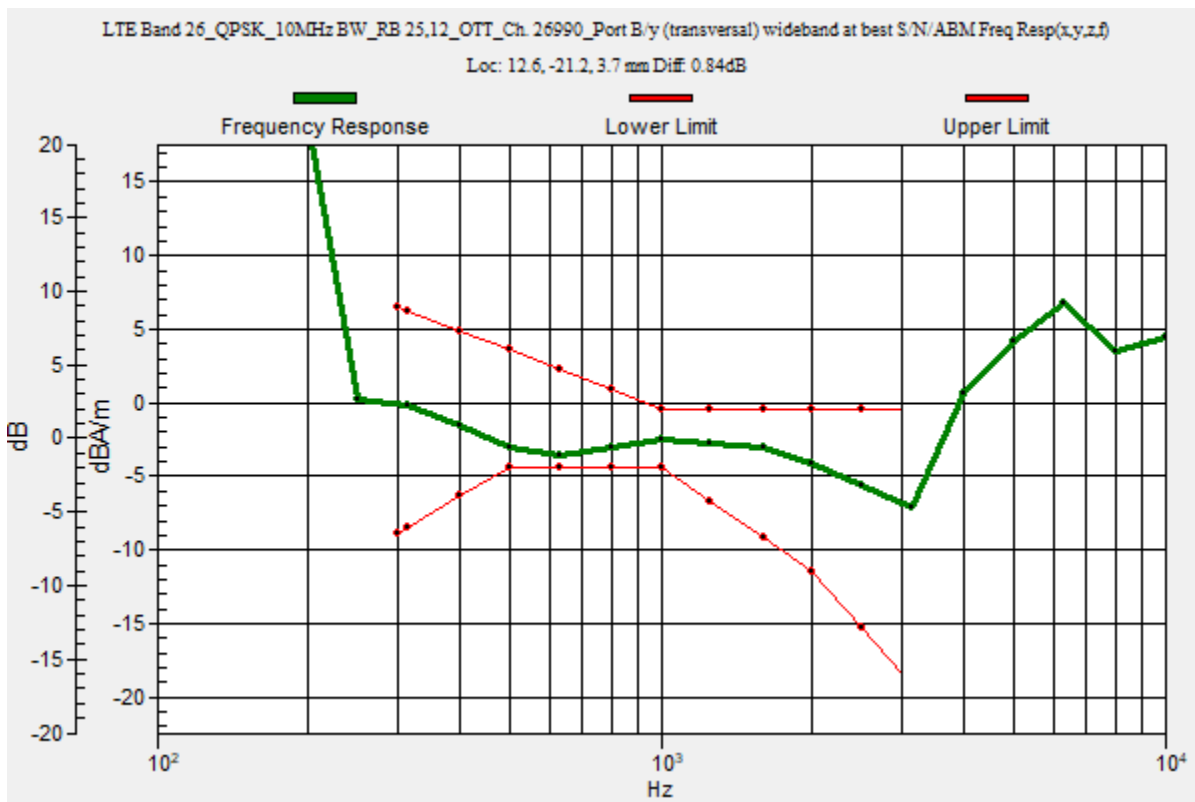
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.84 dB

BWC Factor = 10.80 dB

Location: 12.6, -21.2, 3.7 mm



## LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 844 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 26990\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

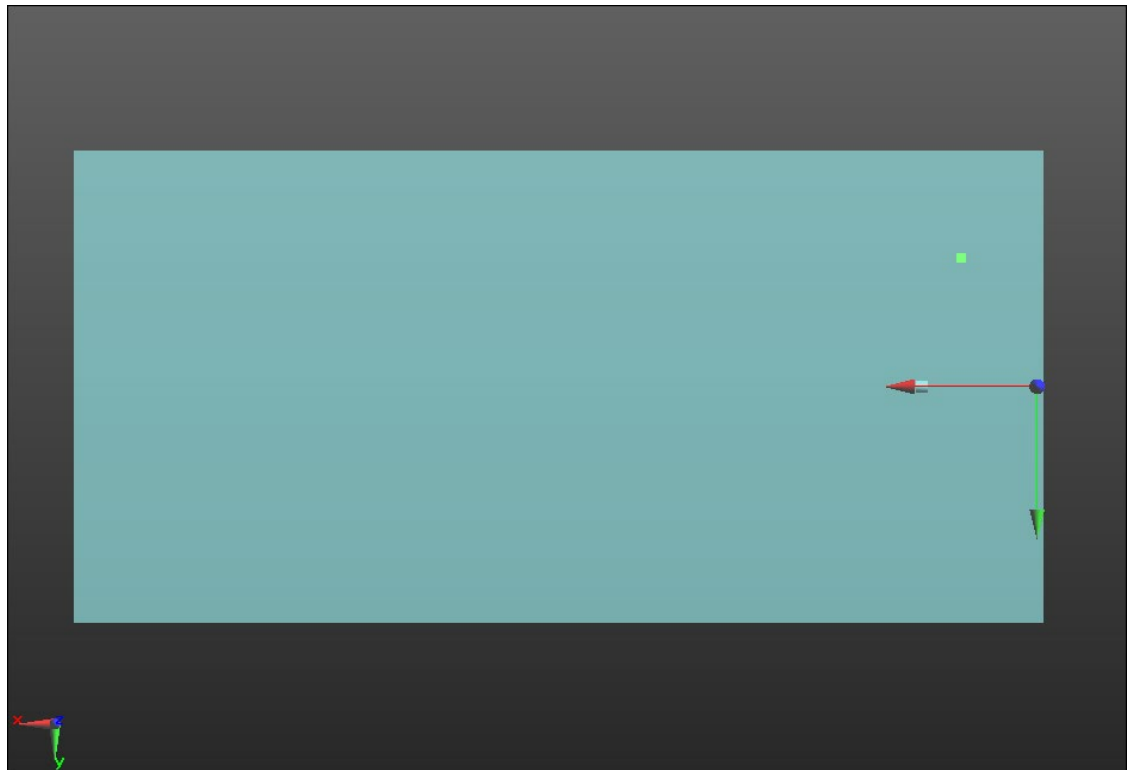
#### Cursor:

ABM1/ABM2 = 38.76 dB

ABM1 comp = -2.39 dBA/m

BWC Factor = 0.16 dB

Location: 12.6, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 30

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 27710\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

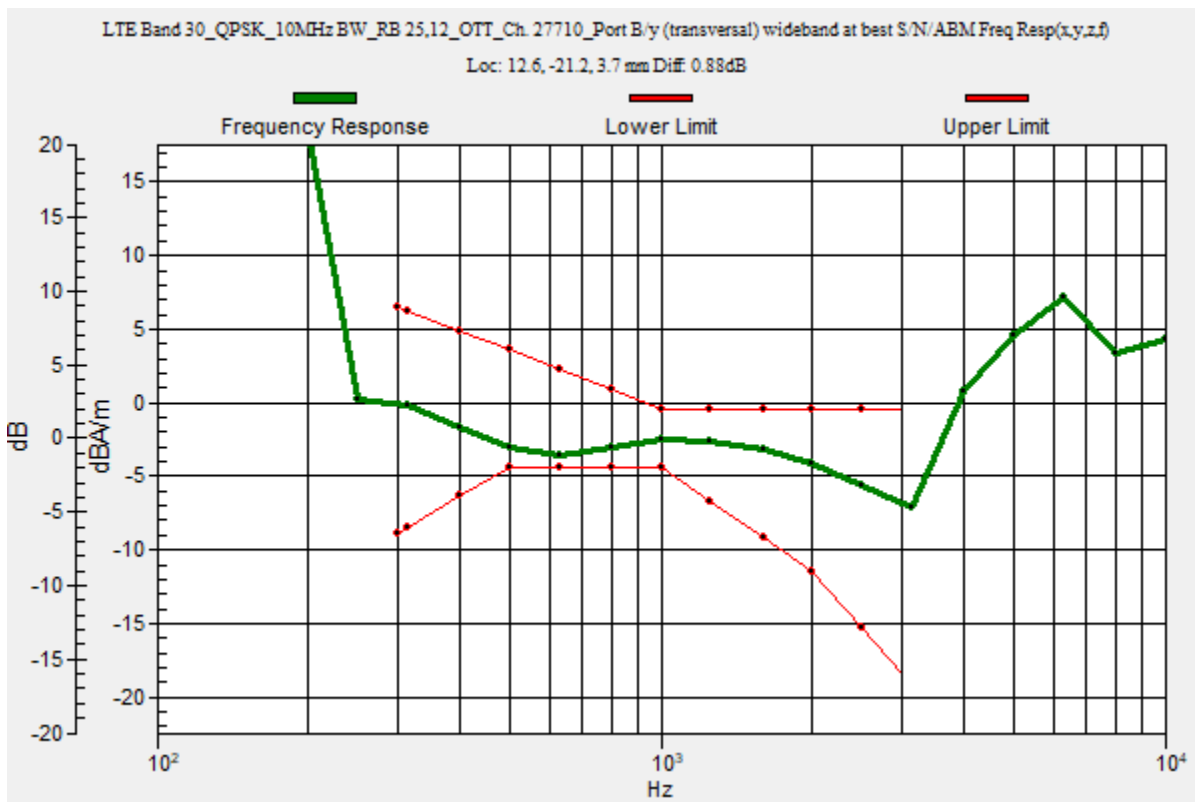
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.88 dB

BWC Factor = 10.80 dB

Location: 12.6, -21.2, 3.7 mm



### LTE Band 30

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30\_QPSK\_10MHz BW\_RB 25,12\_OTT\_Ch. 27710\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

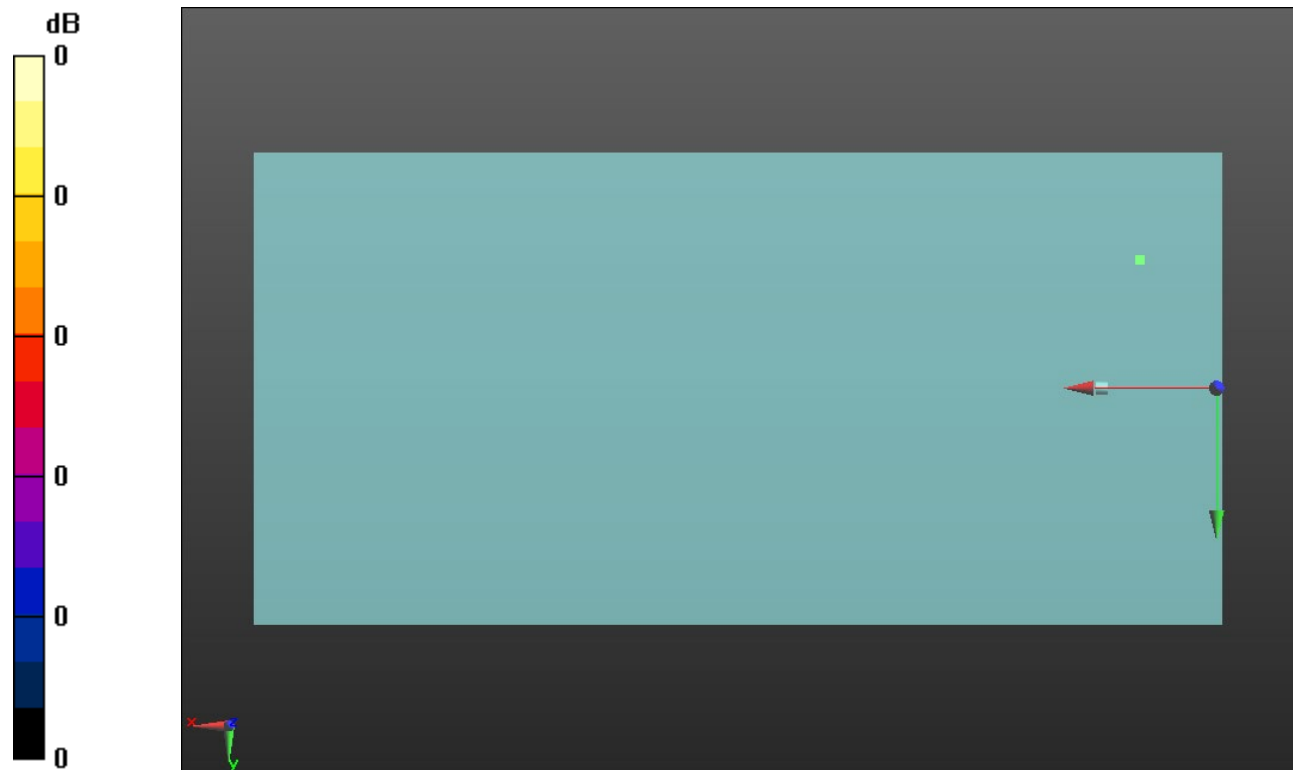
#### Cursor:

ABM1/ABM2 = 38.83 dB

ABM1 comp = -2.45 dBA/m

BWC Factor = 0.16 dB

Location: 12.6, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB



### LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2549.5 MHz;Duty Cycle: 1:1.59956

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41\_256QAM\_20MHz BW\_RB 100,0\_OTT\_Ch. 40185\_Port C/z (axial) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

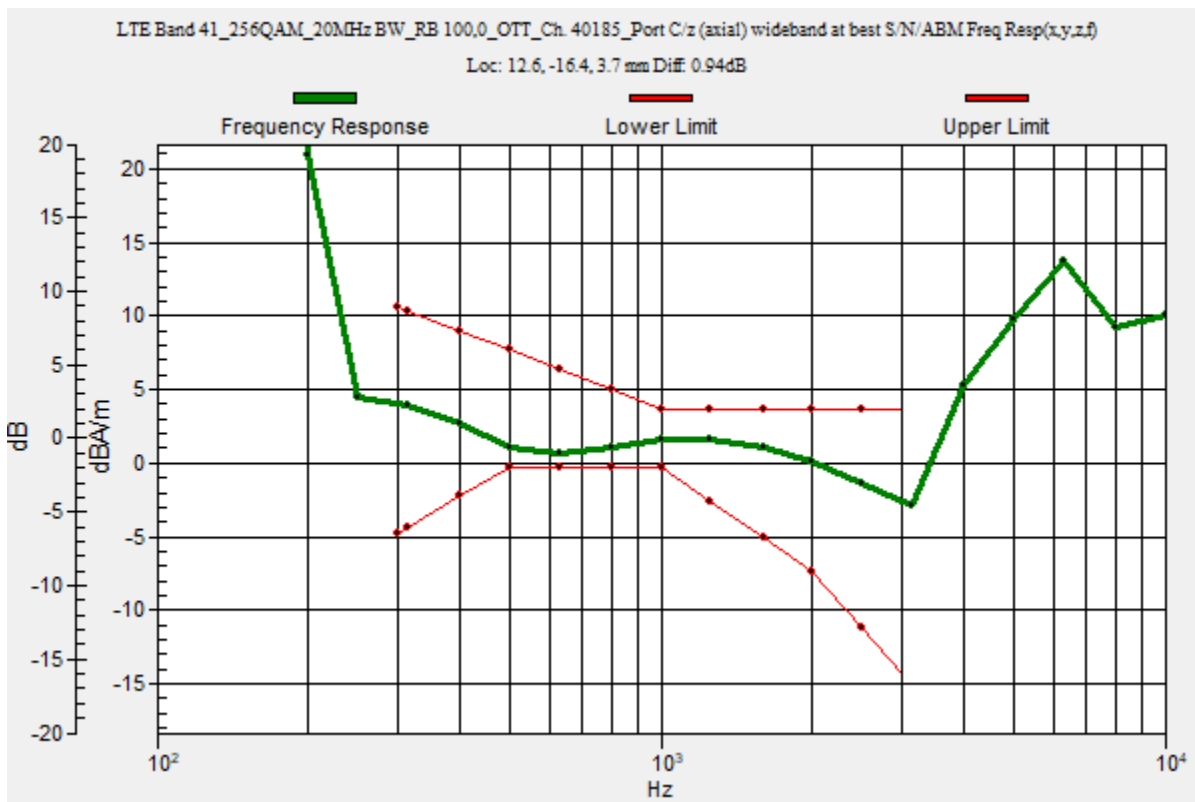
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.94 dB

BWC Factor = 10.80 dB

Location: 12.6, -16.4, 3.7 mm



## LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41\_256QAM\_20MHz BW\_RB 100,0\_OTT\_Ch. 40185\_Port C/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1):

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

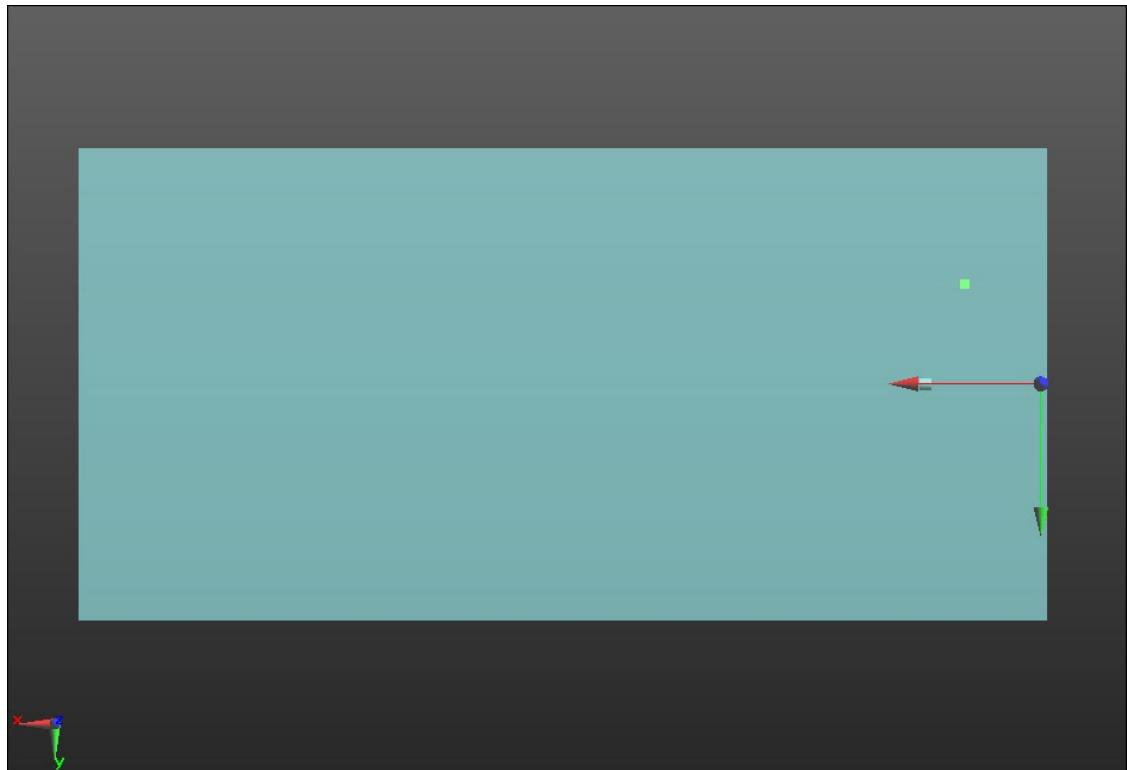
#### Cursor:

ABM1/ABM2 = 35.33 dB

ABM1 comp = 1.78 dBA/m

BWC Factor = 0.16 dB

Location: 12.6, -16.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3560 MHz;Duty Cycle: 1:1.59956

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48\_256QAM\_20MHz BW\_RB 100,0\_OTT\_Ch. 55340\_Port C/z (axial) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

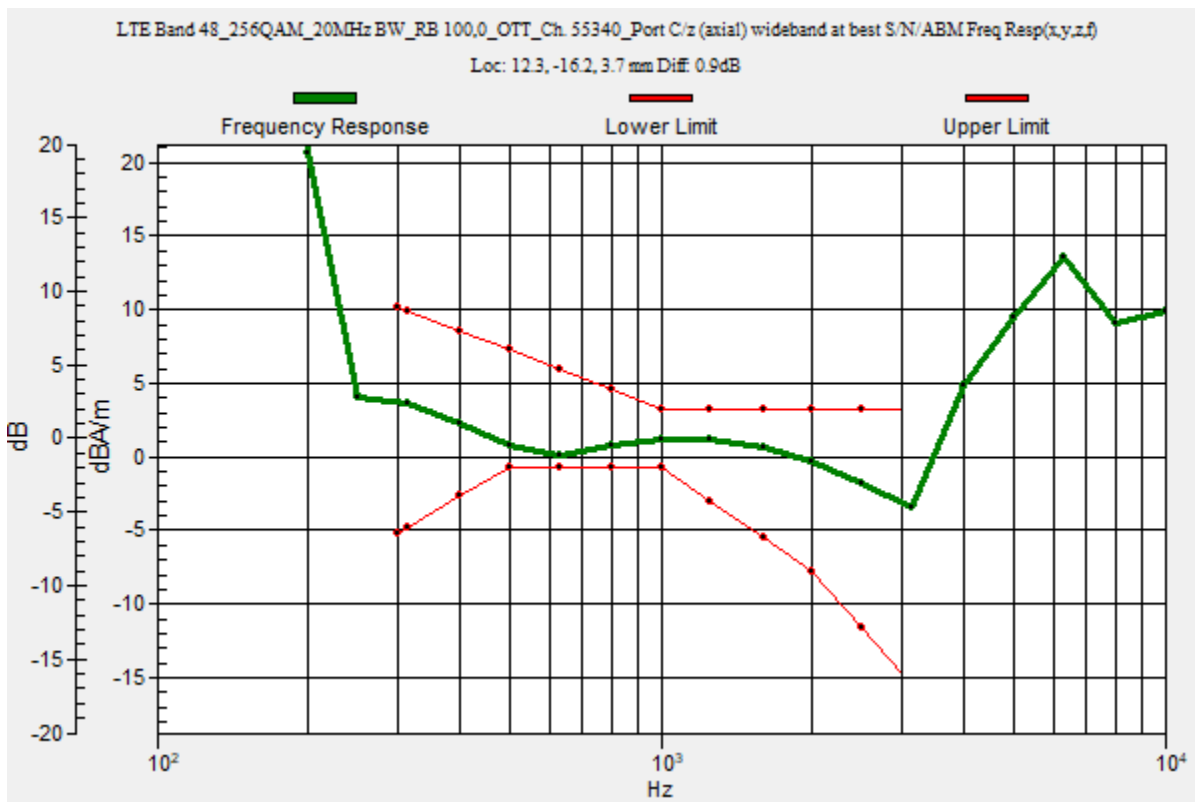
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.90 dB

BWC Factor = 10.80 dB

Location: 12.3, -16.2, 3.7 mm



### LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3560 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48\_256QAM\_20MHz BW\_RB 100,0\_OTT\_Ch. 55340\_Port C/z (axial) 4.2mm 50 x 50/ABM Interpolated

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

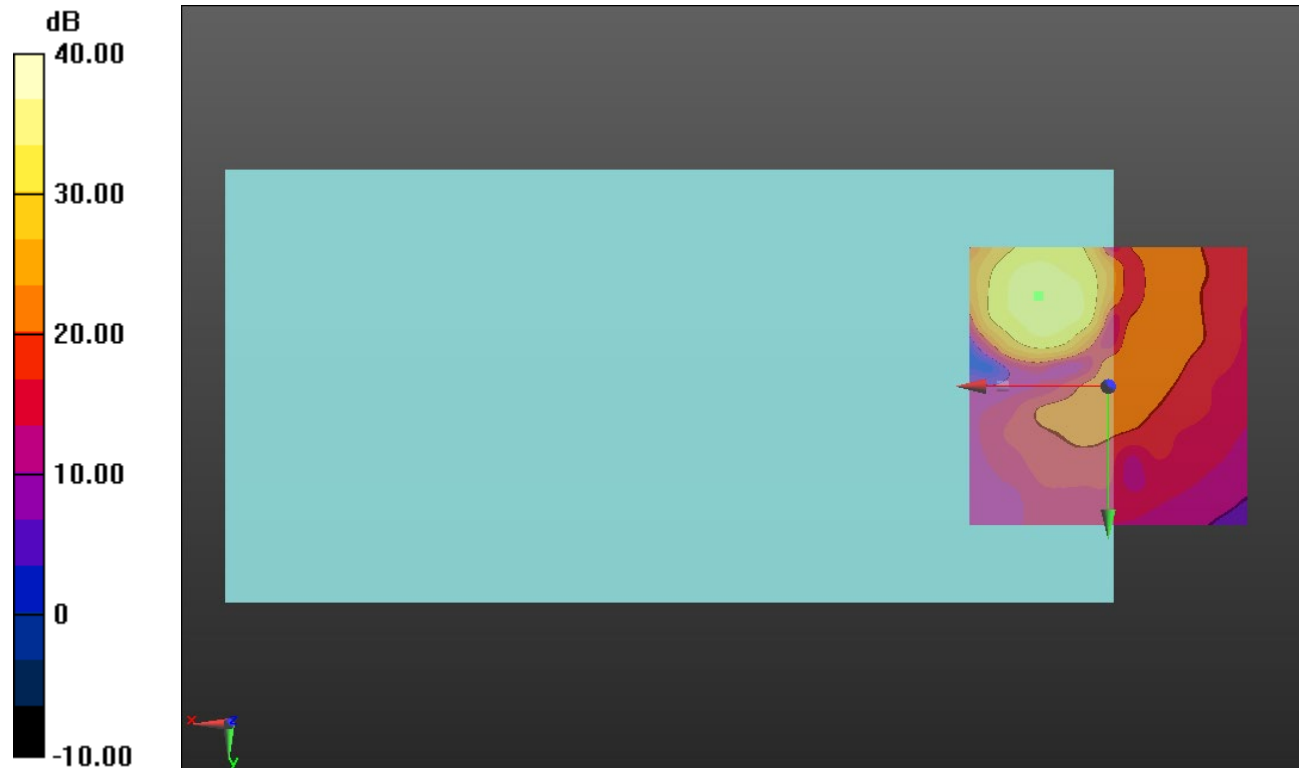
#### Cursor:

ABM1/ABM2 = 35.48 dB

ABM1 comp = 1.53 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -16.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1770 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 132572\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

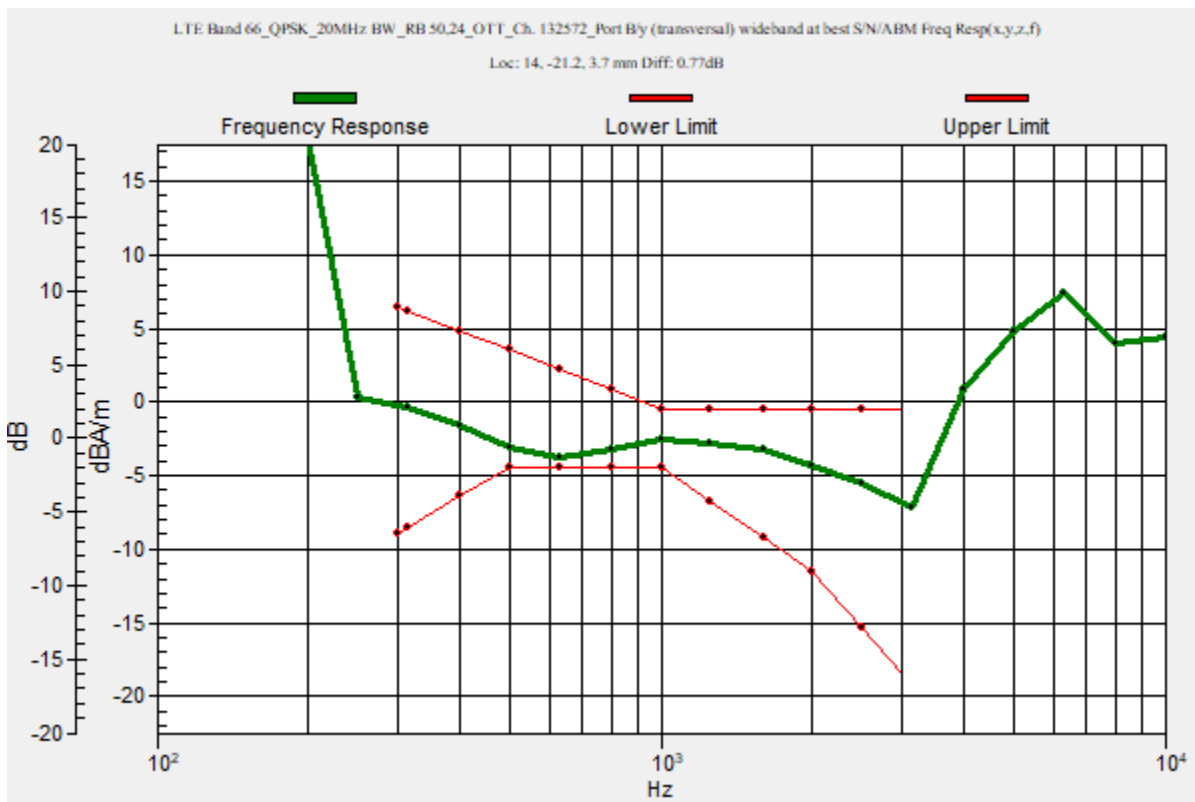
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.77 dB

BWC Factor = 10.80 dB

Location: 14, -21.2, 3.7 mm



### LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1770 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 132572\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

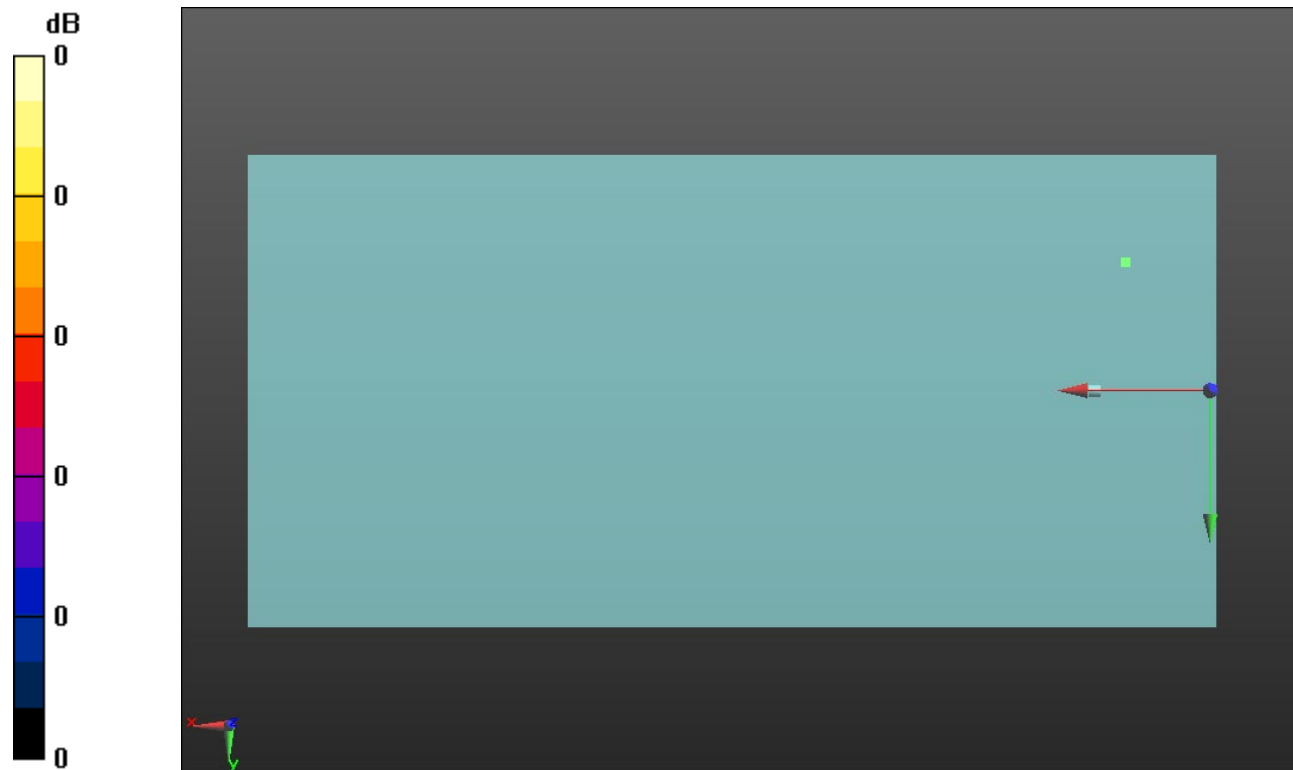
#### Cursor:

ABM1/ABM2 = 38.41 dB

ABM1 comp = -2.53 dBA/m

BWC Factor = 0.16 dB

Location: 14, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### LTE Band 71

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 133297\_Port B/y (transversal) wideband at best S/N/ABM Freq

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

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

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

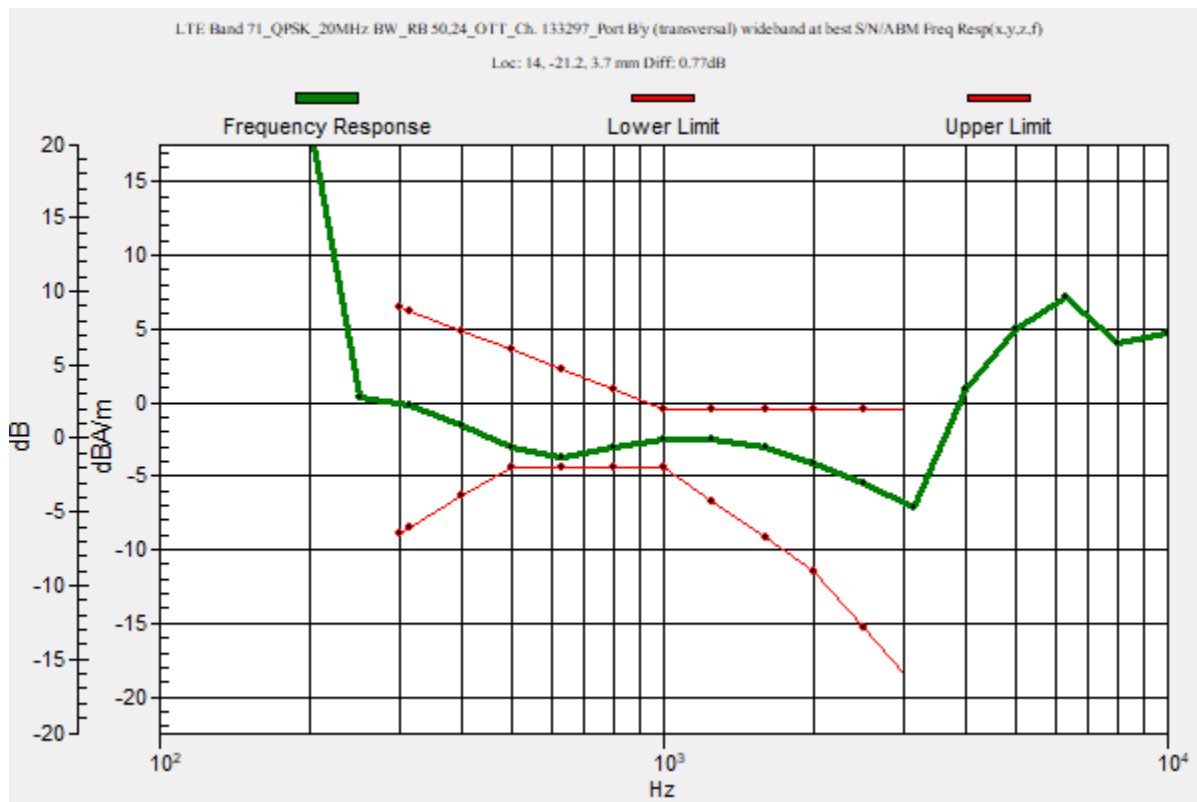
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

**Cursor:**

Diff = 0.77 dB

BWC Factor = 10.80 dB

Location: 14, -21.2, 3.7 mm



## LTE Band 71

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 680.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71\_QPSK\_20MHz BW\_RB 50,24\_OTT\_Ch. 133297\_Port B/y (transversal) Single Point/ABM SNR(x,y,z)

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

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

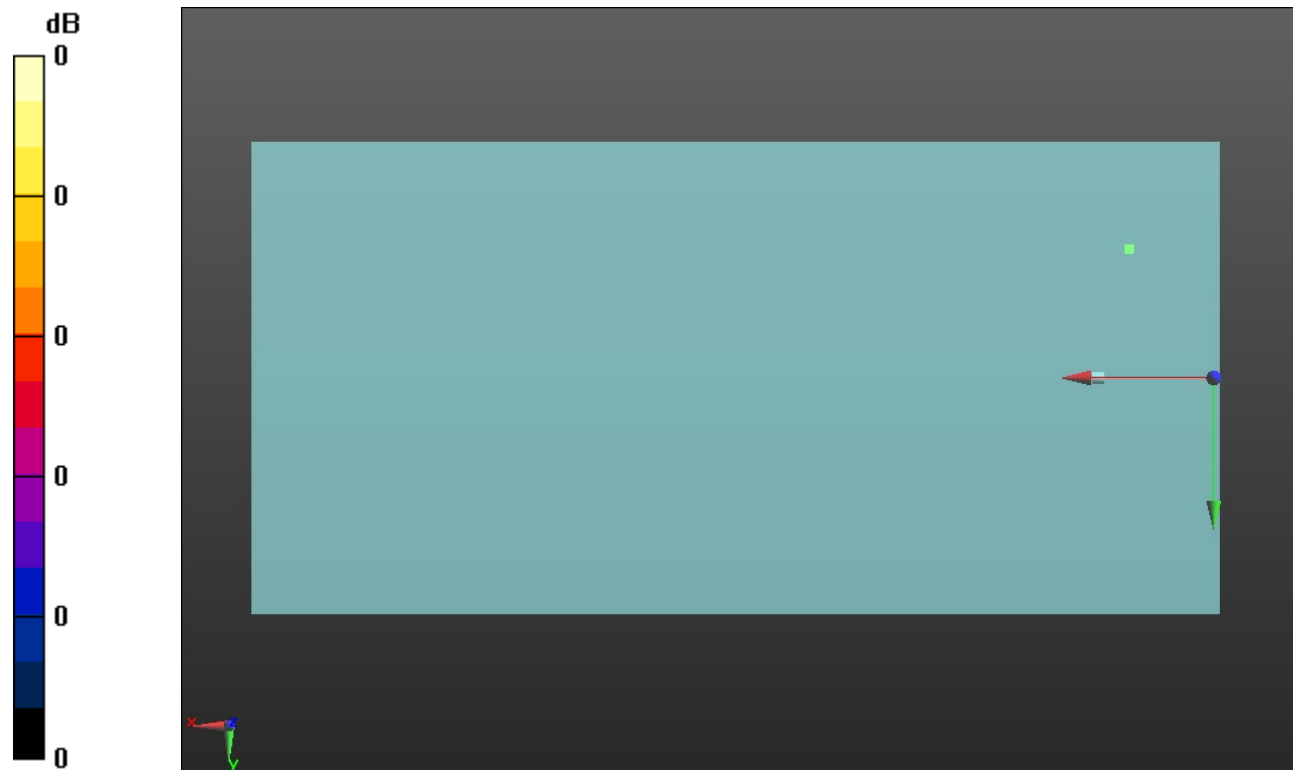
#### Cursor:

ABM1/ABM2 = 38.53 dB

ABM1 comp = -2.48 dBA/m

BWC Factor = 0.16 dB

Location: 14, -21.2, 3.7 mm



0 dB = 1.000 = 0.00 dB



## Wi-Fi 2.4GHz

Communication System: UID 0, 1@IEEE 802.11b/g/n/ac/ax 2.4 GHz Band (0); Frequency: 2437 MHz;Duty Cycle: 1:1

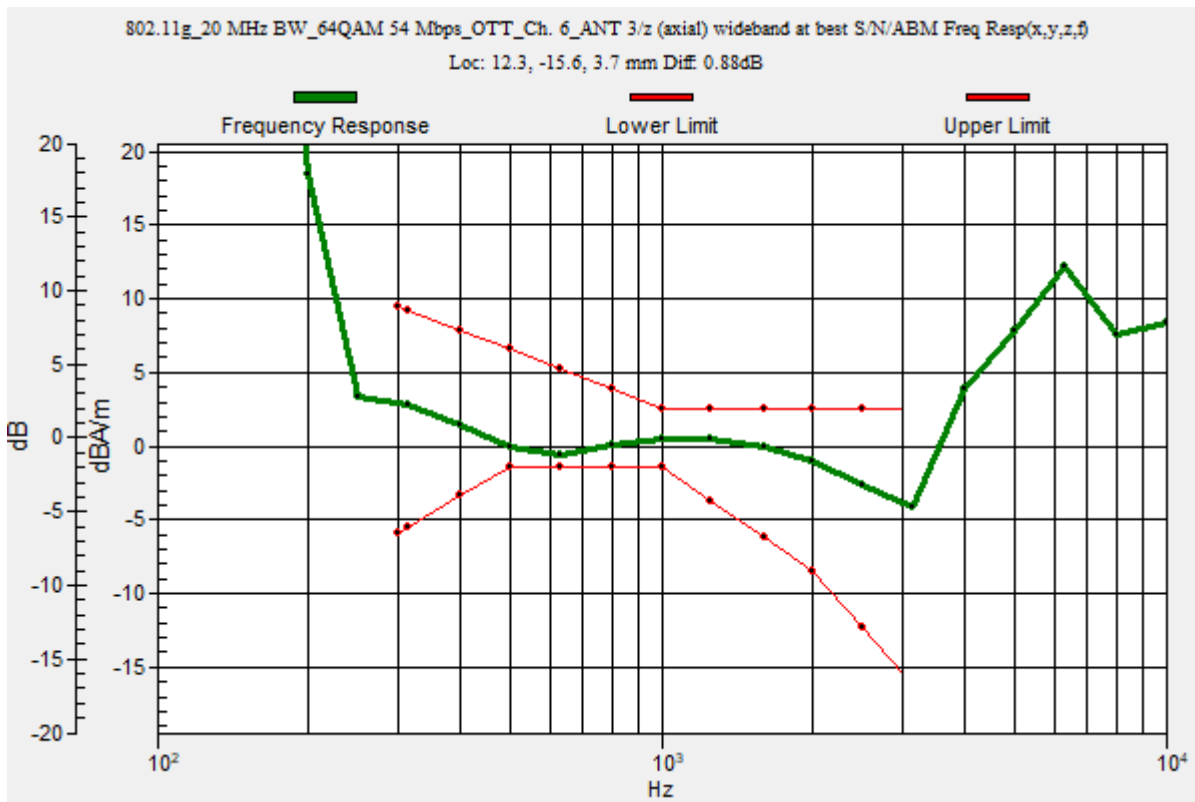
### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11g\_20 MHz BW\_64QAM 54 Mbps\_OTT\_Ch. 6\_ANT 3/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 72.83  
 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 = 0.88 dB  
 BWC Factor = 10.80 dB  
 Location: 12.3, -15.6, 3.7 mm



## Wi-Fi 2.4GHz

Communication System: UID 0, 1@IEEE 802.11b/g/n/ac/ax 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11g\_20 MHz BW\_64QAM 54 Mbps\_OTT\_Ch. 6\_ANT 3/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

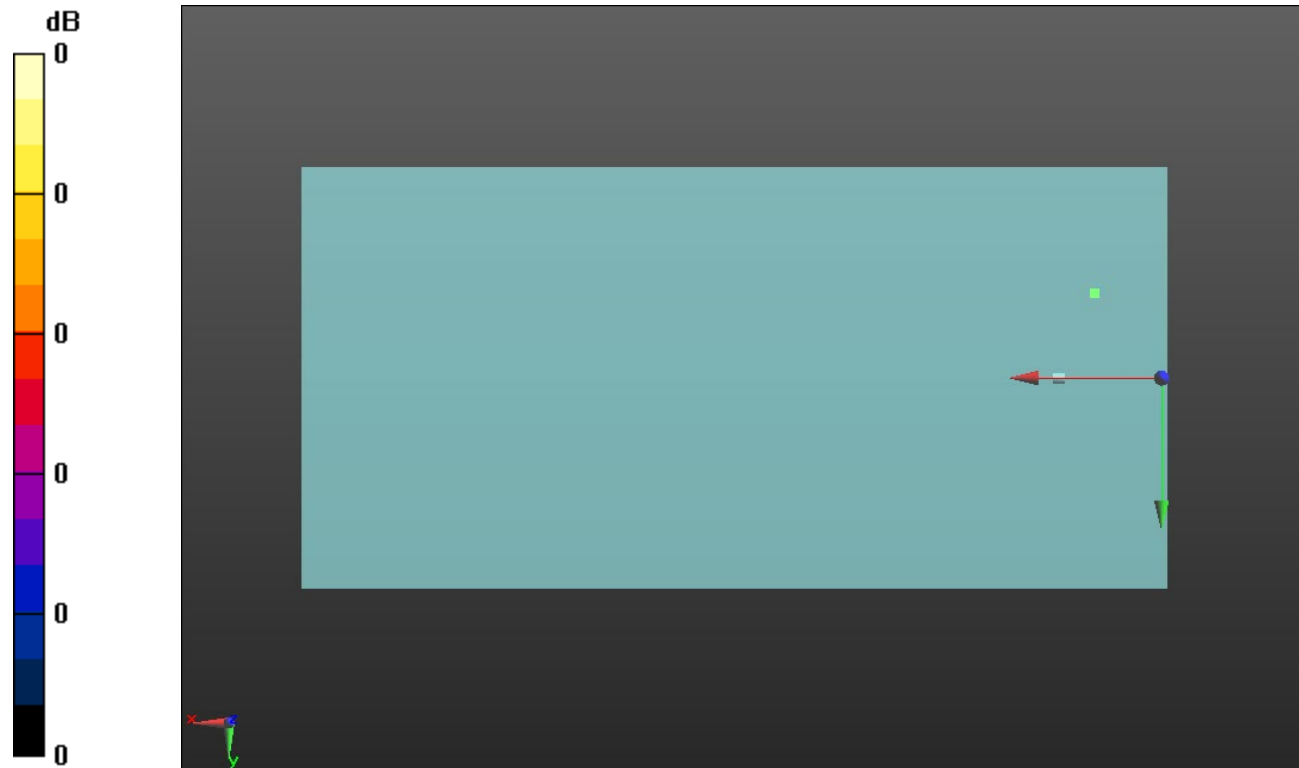
#### Cursor:

ABM1/ABM2 = 33.55 dB

ABM1 comp = 0.56 dBA/m

BWC Factor = 0.16 dB

Location: 12.3, -15.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

### Wi-Fi 5GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5210 MHz;Duty Cycle: 1:1

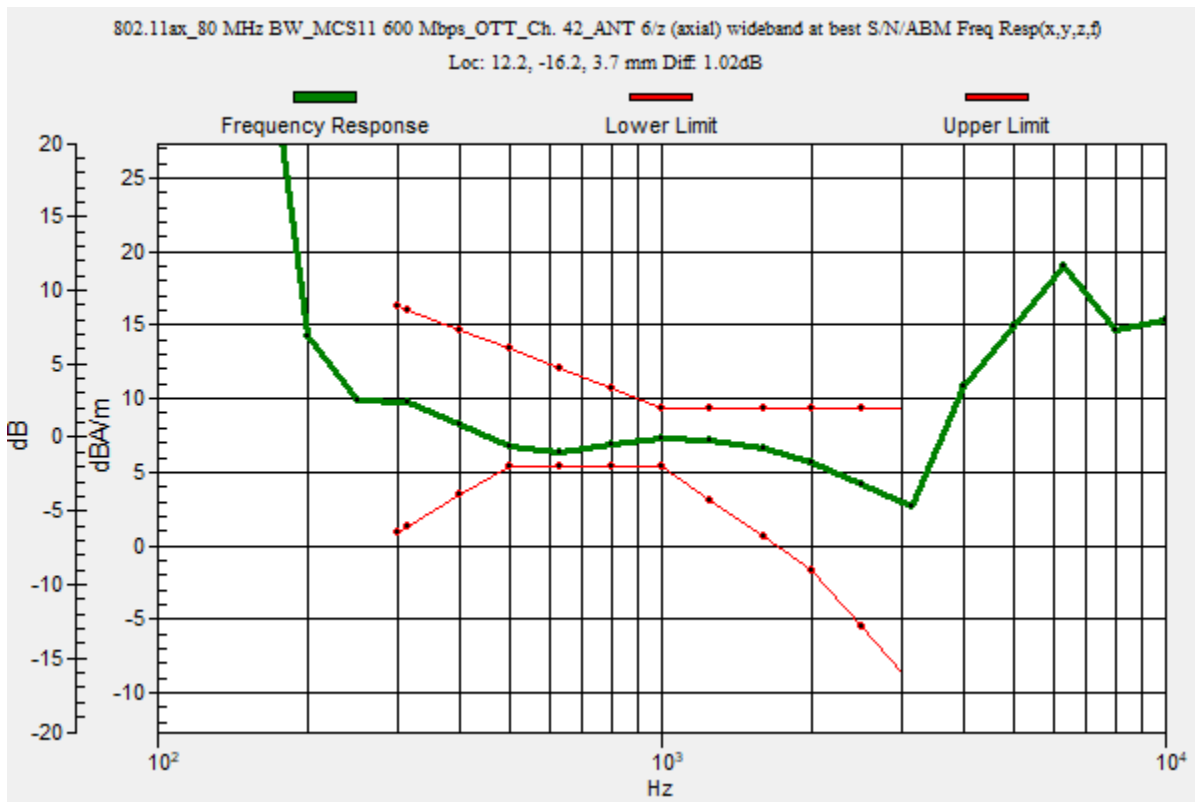
### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 42\_ANT 6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 72.83  
 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 = 1.02 dB  
 BWC Factor = 10.80 dB  
 Location: 12.2, -16.2, 3.7 mm



## Wi-Fi 5GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 42\_ANT 6/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

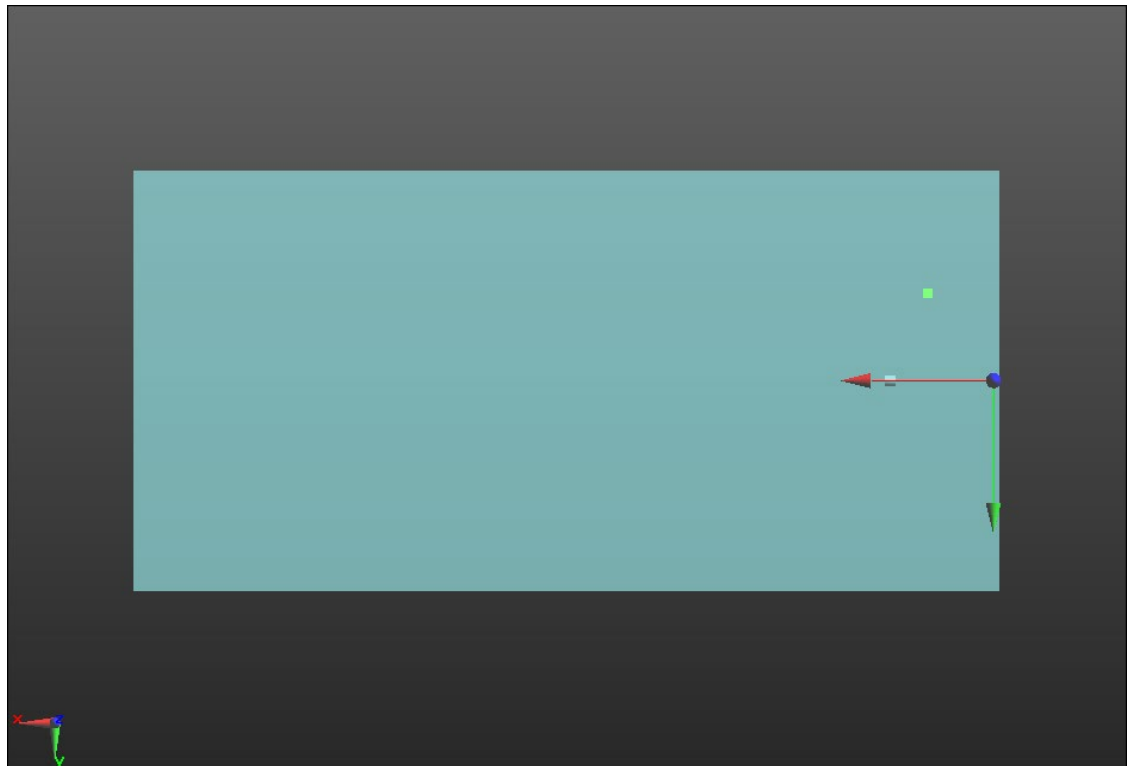
#### Cursor:

ABM1/ABM2 = 35.75 dB

ABM1 comp = 6.98 dBA/m

BWC Factor = 0.16 dB

Location: 12.2, -16.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

### Wi-Fi 5GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5290 MHz;Duty Cycle: 1:1

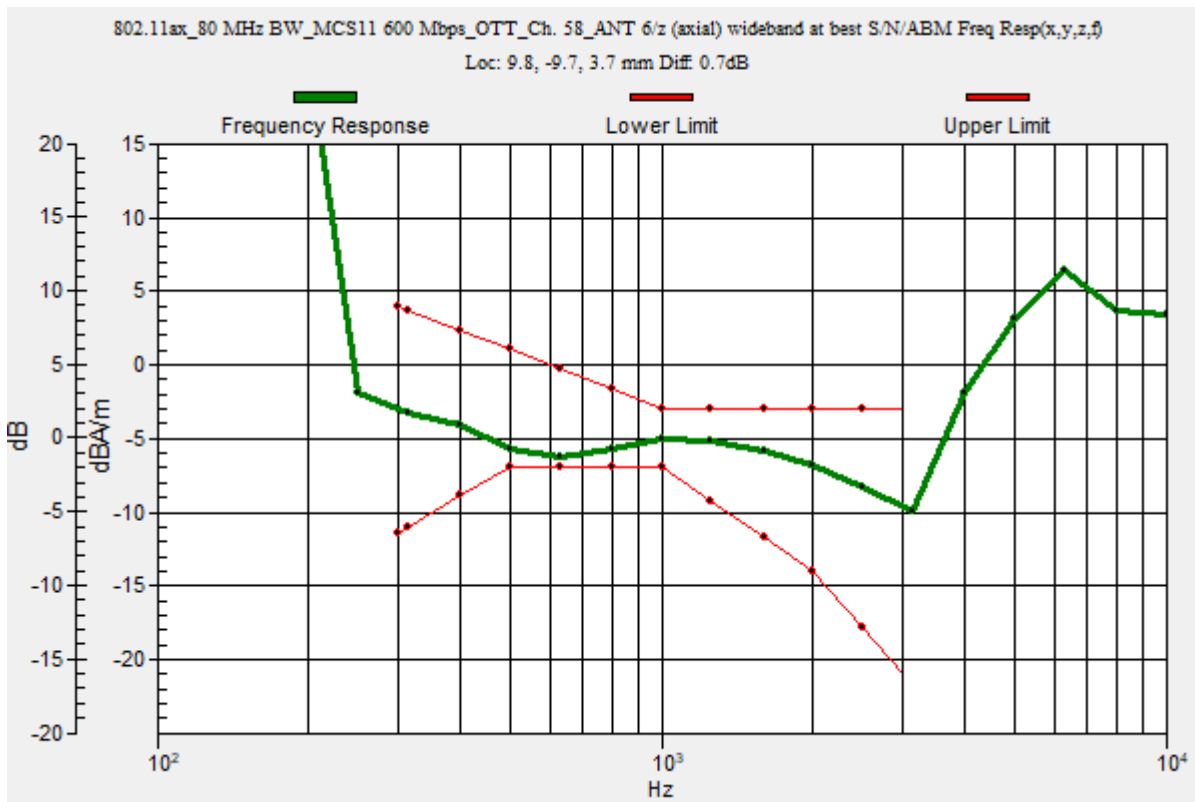
### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 58\_ANT 6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 72.83  
 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 = 0.70 dB  
 BWC Factor = 10.80 dB  
 Location: 9.8, -9.7, 3.7 mm



## Wi-Fi 5GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5290 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 58\_ANT 6/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

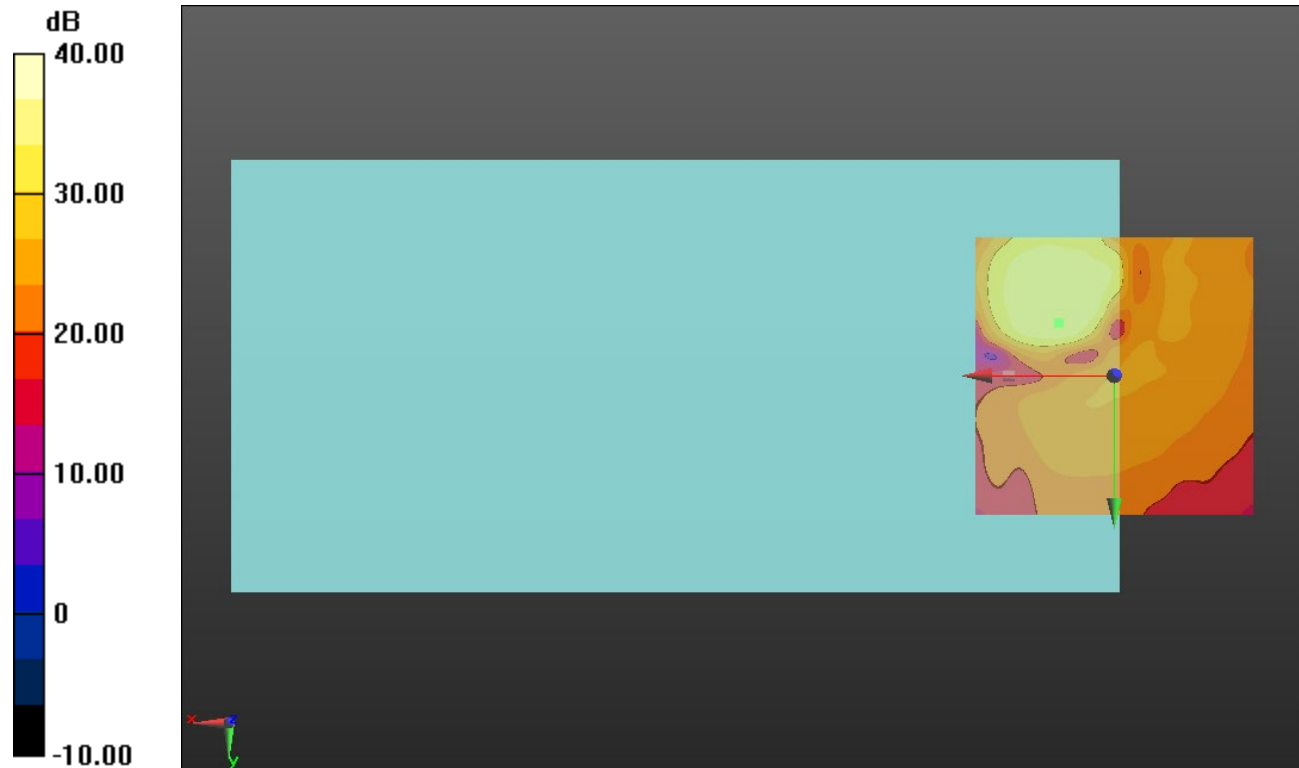
#### Cursor:

ABM1/ABM2 = 36.50 dB

ABM1 comp = -4.74 dBA/m

BWC Factor = 0.16 dB

Location: 10, -9.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

### Wi-Fi 5GHz

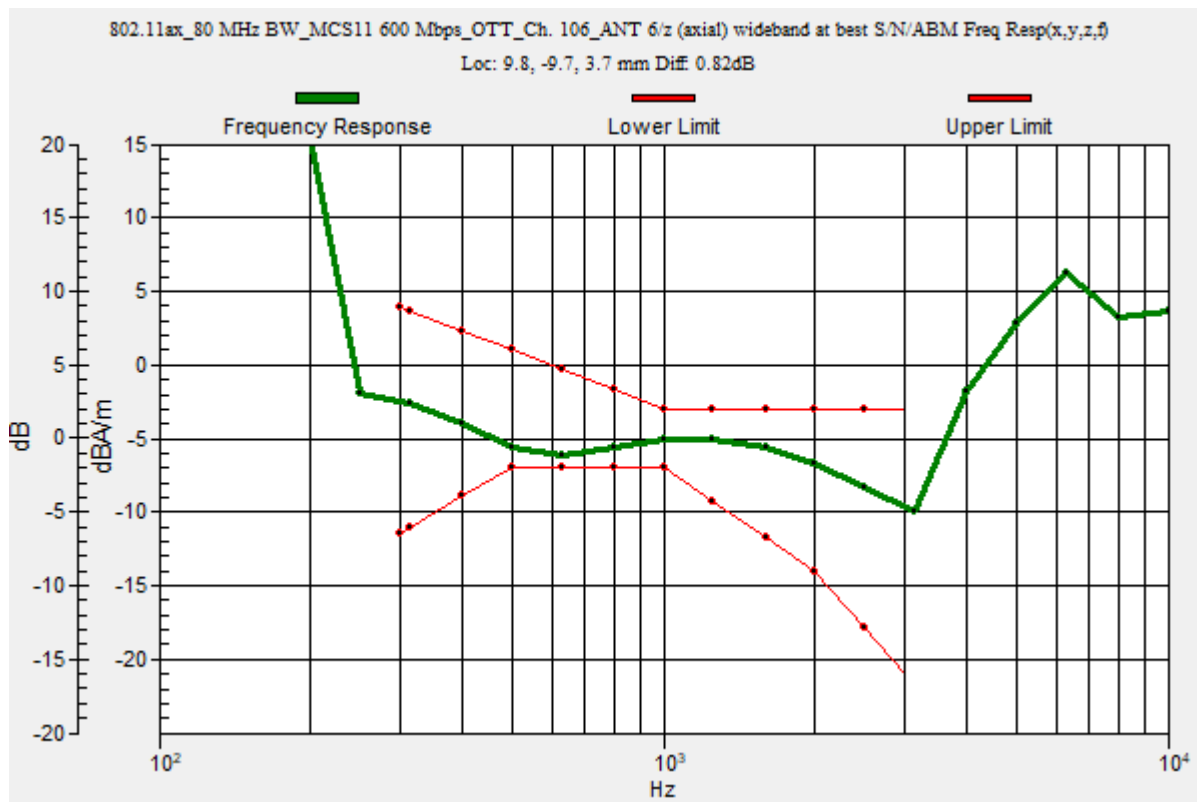
Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5530 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 106\_ANT 6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

(1x1x1): Measurement grid: dx=10mm, dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 72.83  
 Measure Window Start: 300ms  
 Measure Window Length: 2000ms  
 BWC applied: 10.80 dB  
 Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**  
 Diff = 0.82 dB  
 BWC Factor = 10.80 dB  
 Location: 9.8, -9.7, 3.7 mm



## Wi-Fi 5GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5530 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 106\_ANT 6/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

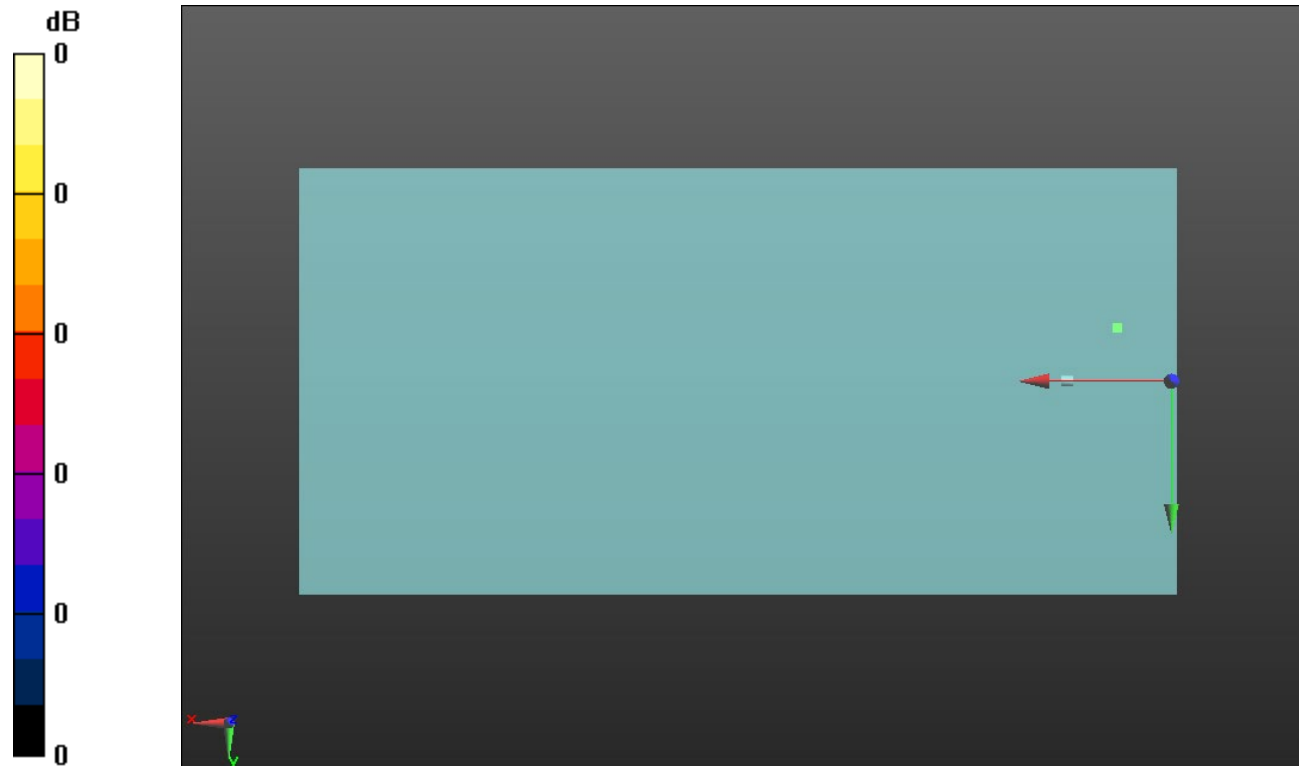
#### Cursor:

ABM1/ABM2 = 35.74 dB

ABM1 comp = -5.04 dBA/m

BWC Factor = 0.16 dB

Location: 9.8, -9.7, 3.7 mm



0 dB = 1.000 = 0.00 dB



### Wi-Fi 5GHz

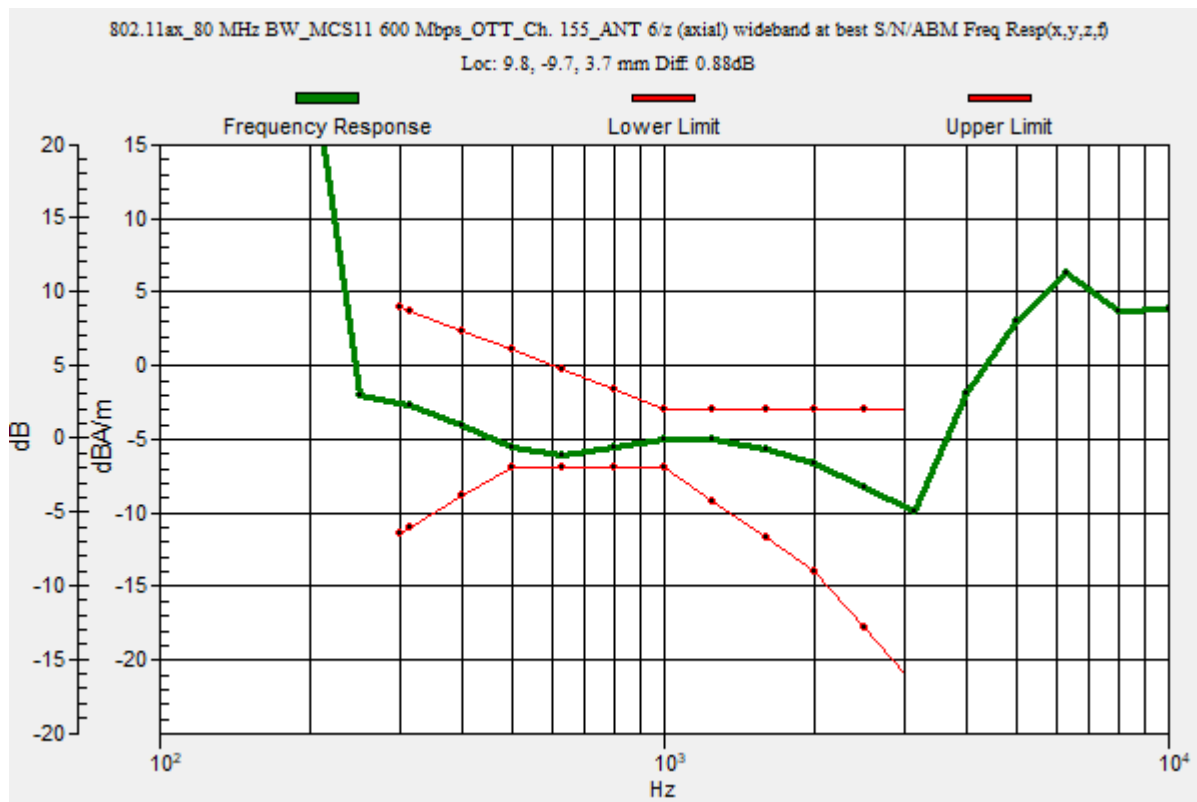
Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5775 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 155\_ANT 6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

(1x1x1): Measurement grid: dx=10mm, dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 72.83  
 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 = 0.88 dB  
 BWC Factor = 10.80 dB  
 Location: 9.8, -9.7, 3.7 mm



## Wi-Fi 5GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1357; Calibrated: 1/11/2022
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ax\_80 MHz BW\_MCS11 600 Mbps\_OTT\_Ch. 155\_ANT 6/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

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

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

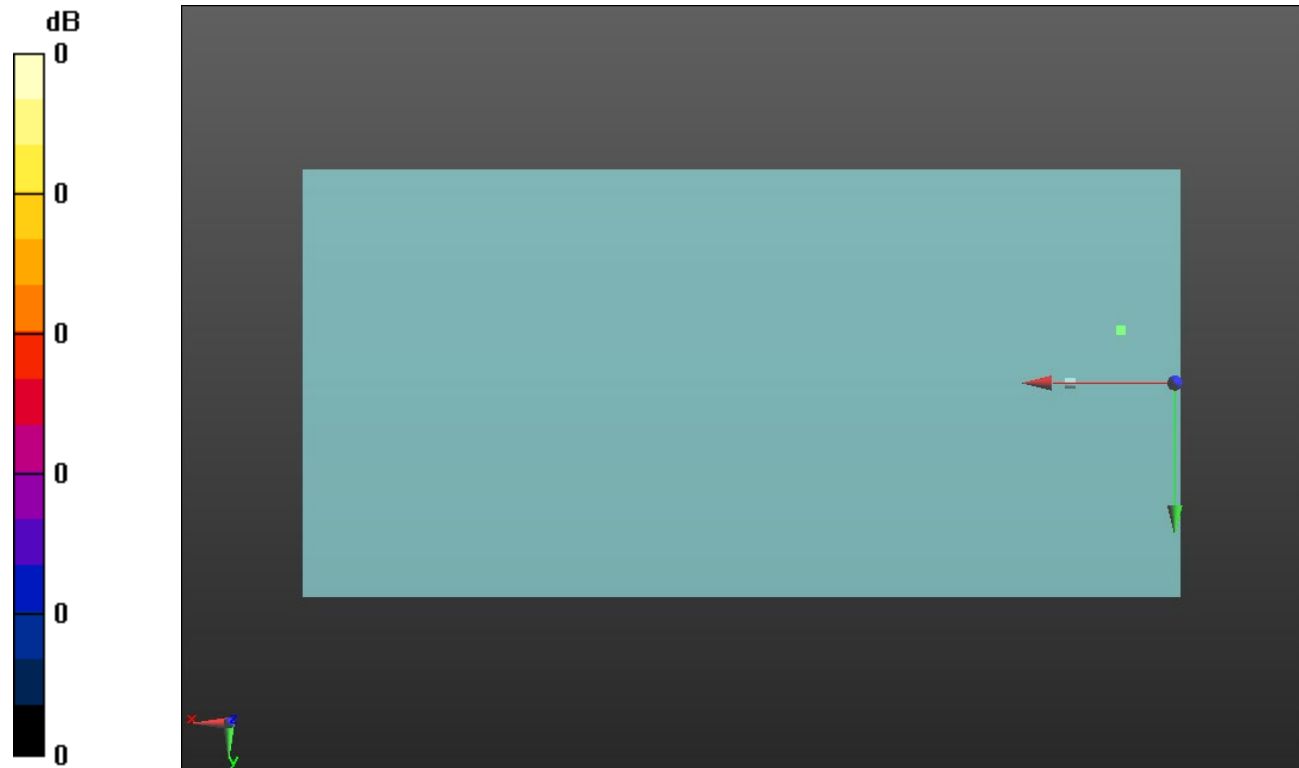
#### Cursor:

ABM1/ABM2 = 35.60 dB

ABM1 comp = -5.19 dBA/m

BWC Factor = 0.16 dB

Location: 9.8, -9.7, 3.7 mm



0 dB = 1.000 = 0.00 dB