

**GSM 850**

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850\_GMSK Voice\_Ch. 190\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

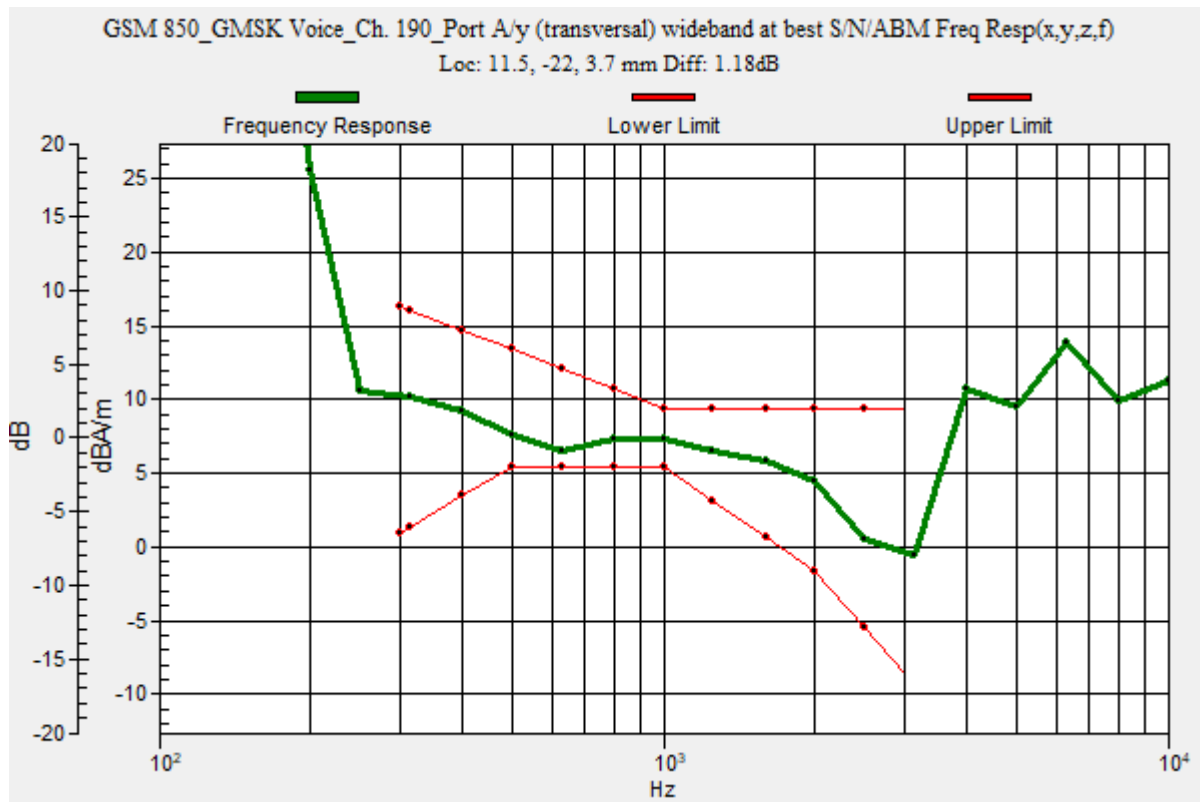
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

**Cursor:**

Diff = 1.18 dB

BWC Factor = 10.80 dB

Location: 11.5, -22, 3.7 mm



## GSM 850

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- 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\_GMSK Voice\_Ch. 190\_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

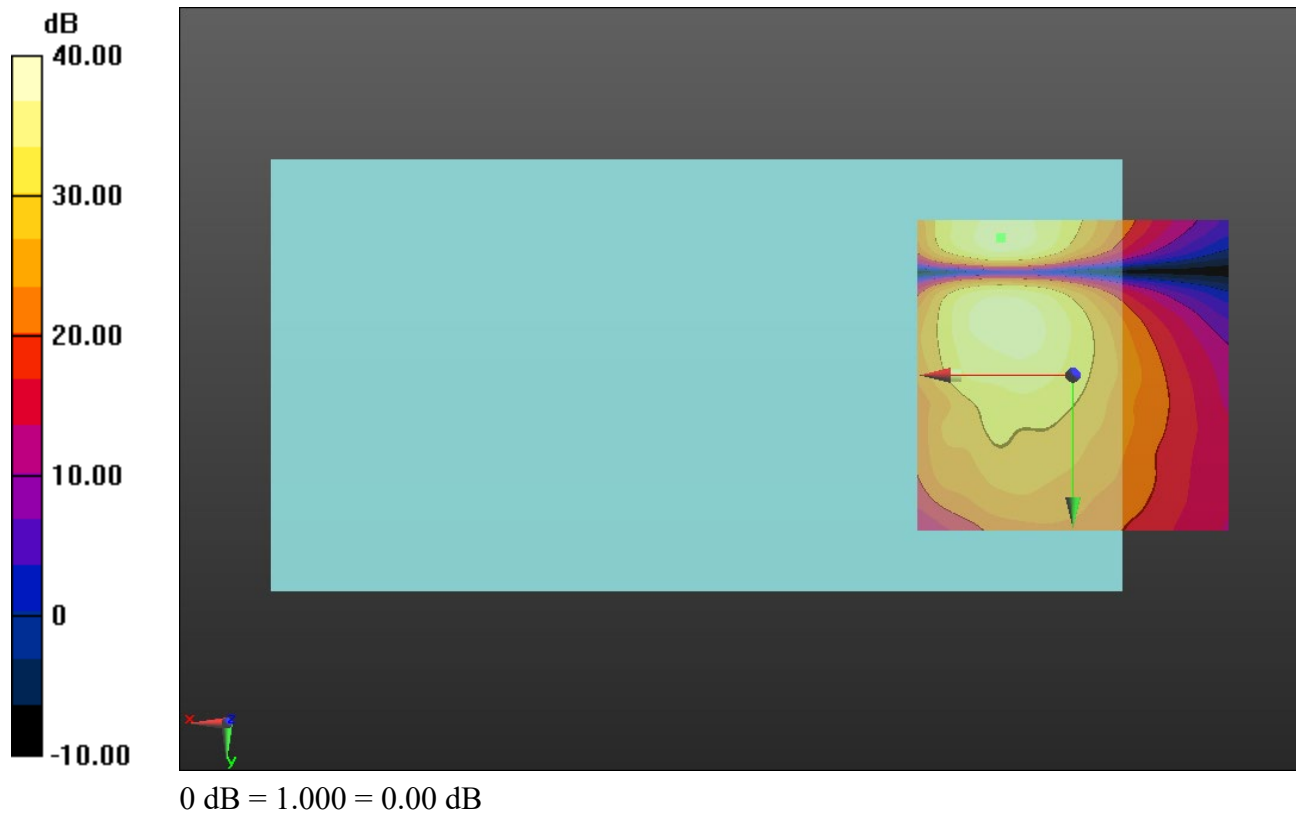
#### Cursor:

ABM1/ABM2 = 38.87 dB

ABM1 comp = 4.71 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -22.1, 3.7 mm



**GSM 1900**

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900\_GMSK Voice\_Ch. 661\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

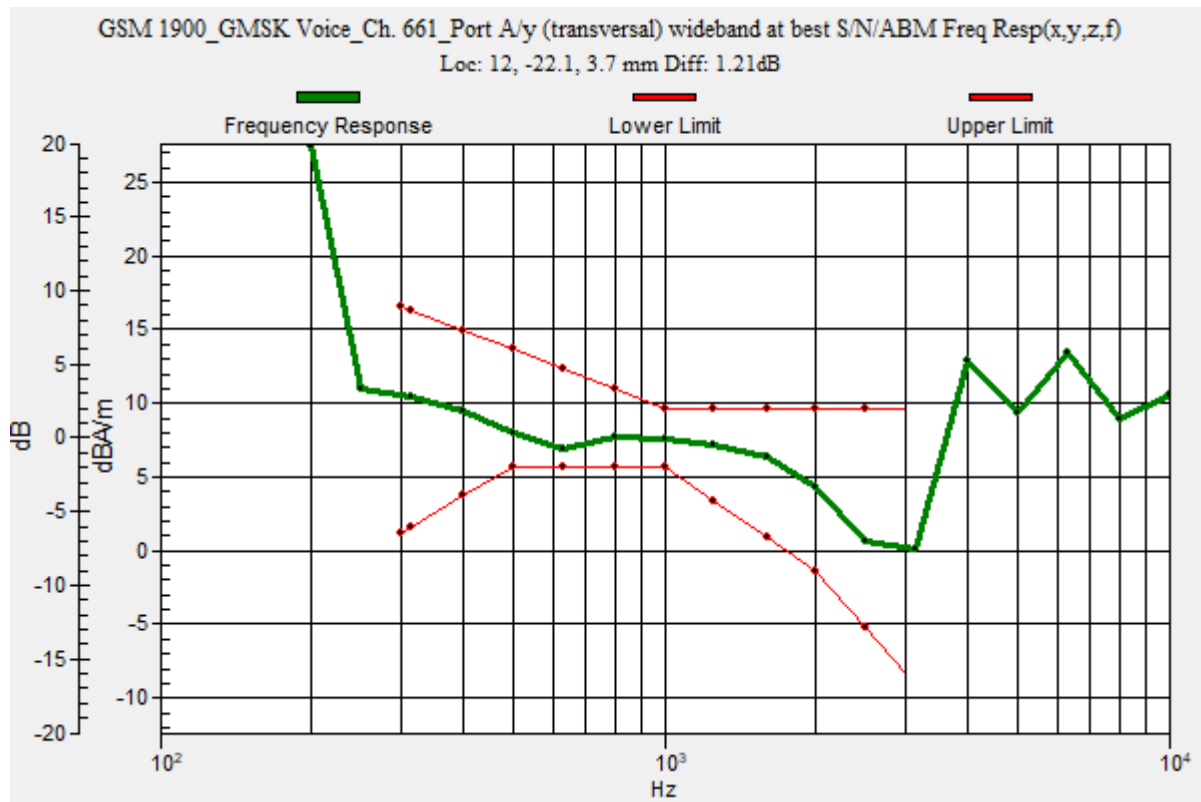
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

**Cursor:**

Diff = 1.21 dB

BWC Factor = 10.80 dB

Location: 12, -22.1, 3.7 mm



## GSM 1900

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/10/2022
- 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\_GMSK Voice\_Ch. 661\_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

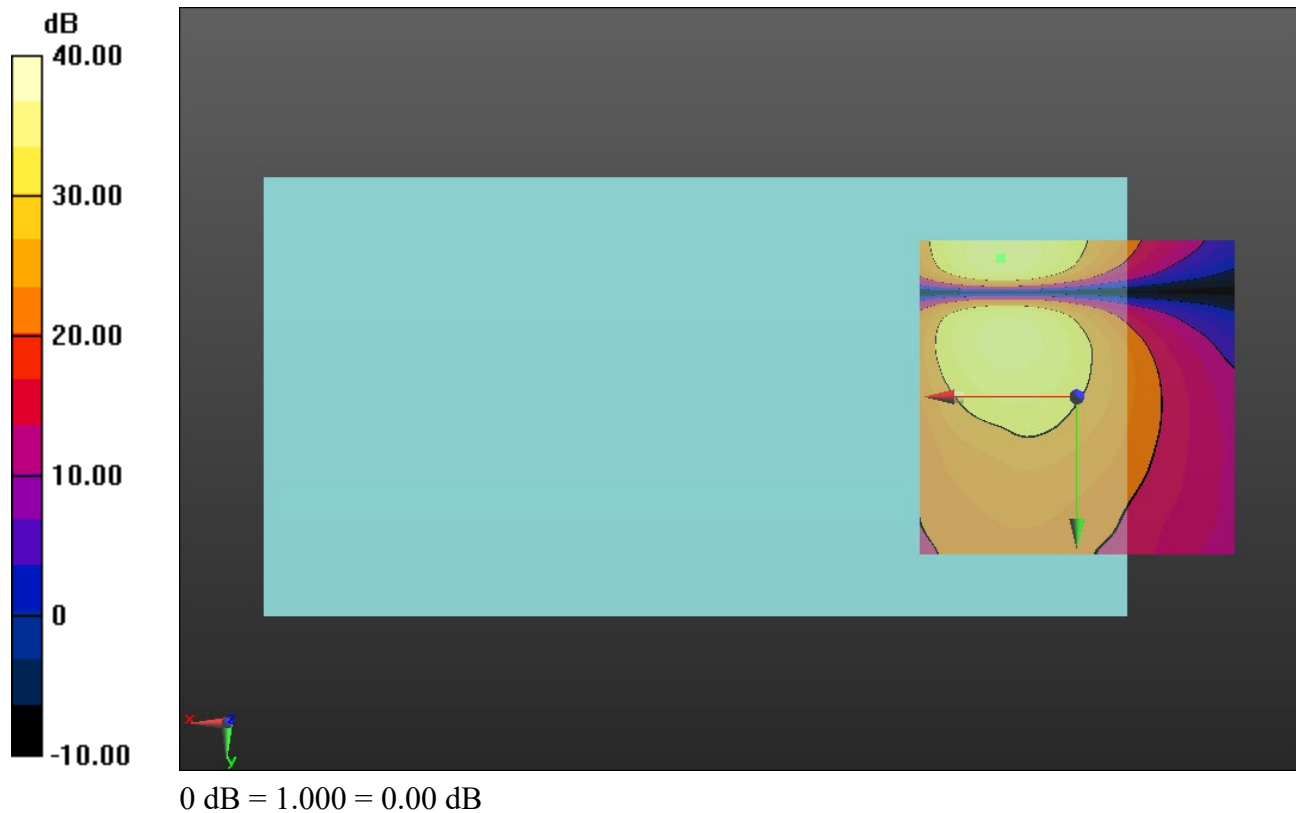
#### Cursor:

ABM1/ABM2 = 39.19 dB

ABM1 comp = 4.45 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -22.1, 3.7 mm



## W-CDMA Band II

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band II\_Rel 99\_Ch. 9538\_AMR-WB: 23.85 kbps\_Port C/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

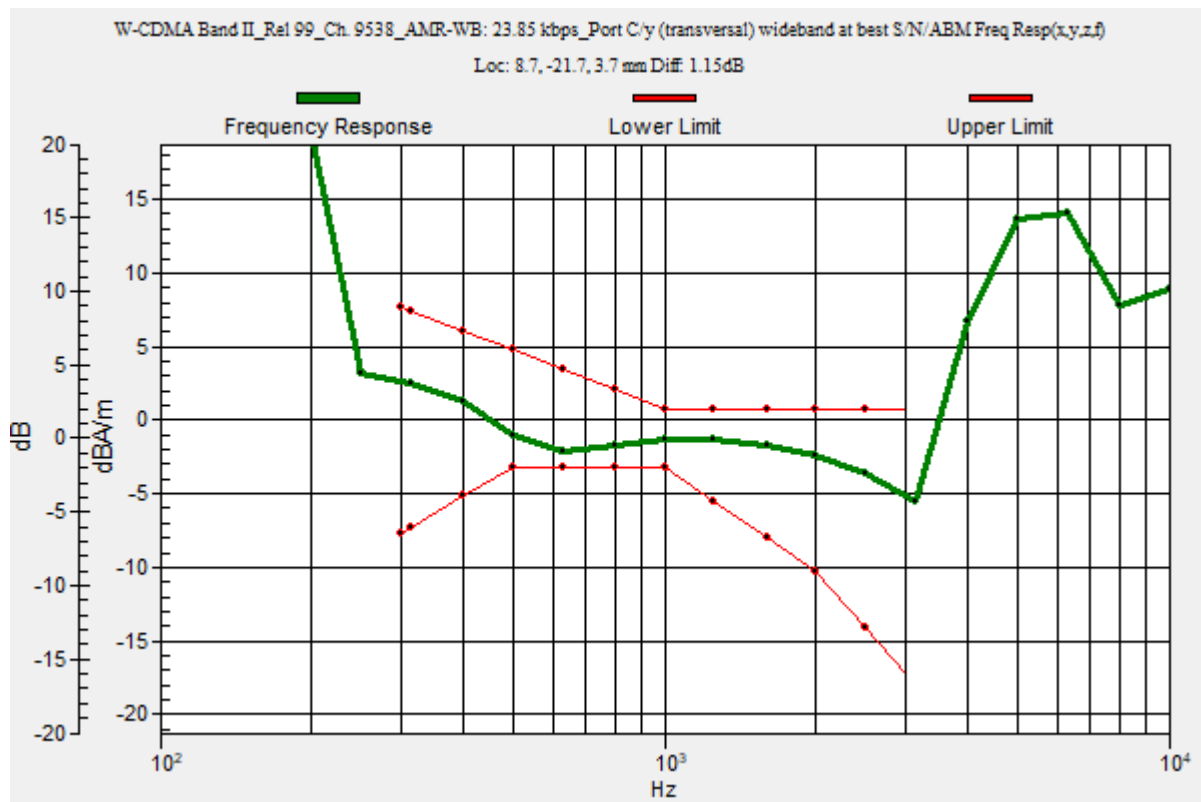
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

#### Cursor:

Diff = 1.15 dB

BWC Factor = 10.80 dB

Location: 8.7, -21.7, 3.7 mm



## W-CDMA Band II

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1907.6 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)/W-CDMA Band II\_Rel 99\_Ch.  
9538\_AMR-WB: 23.85 kbps\_Port C/y (transversal) 4.2mm 50 x 50/ABM Interpolated  
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

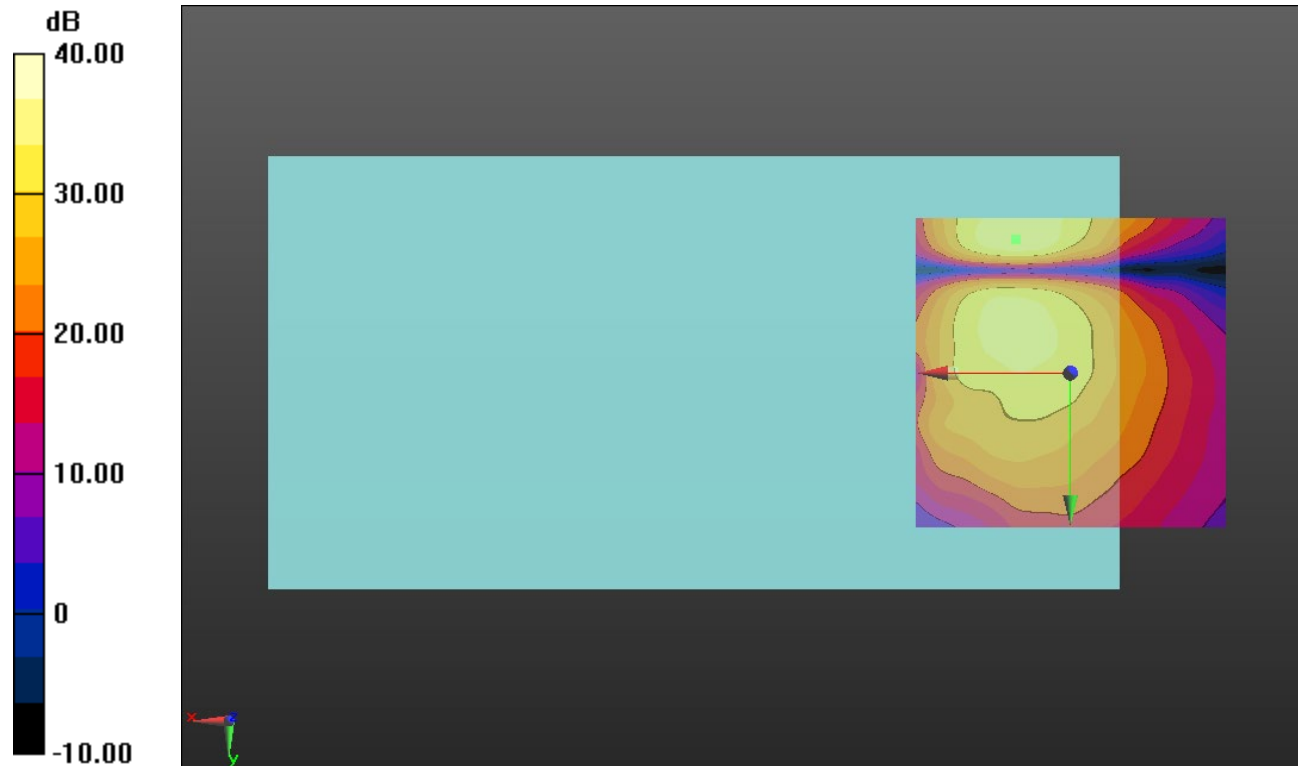
### Cursor:

ABM1/ABM2 = 35.95 dB

ABM1 comp = -2.64 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

## W-CDMA Band IV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band IV\_Rel 99\_Ch. 1513\_AMR-WB: 23.85 kbps\_Port C/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

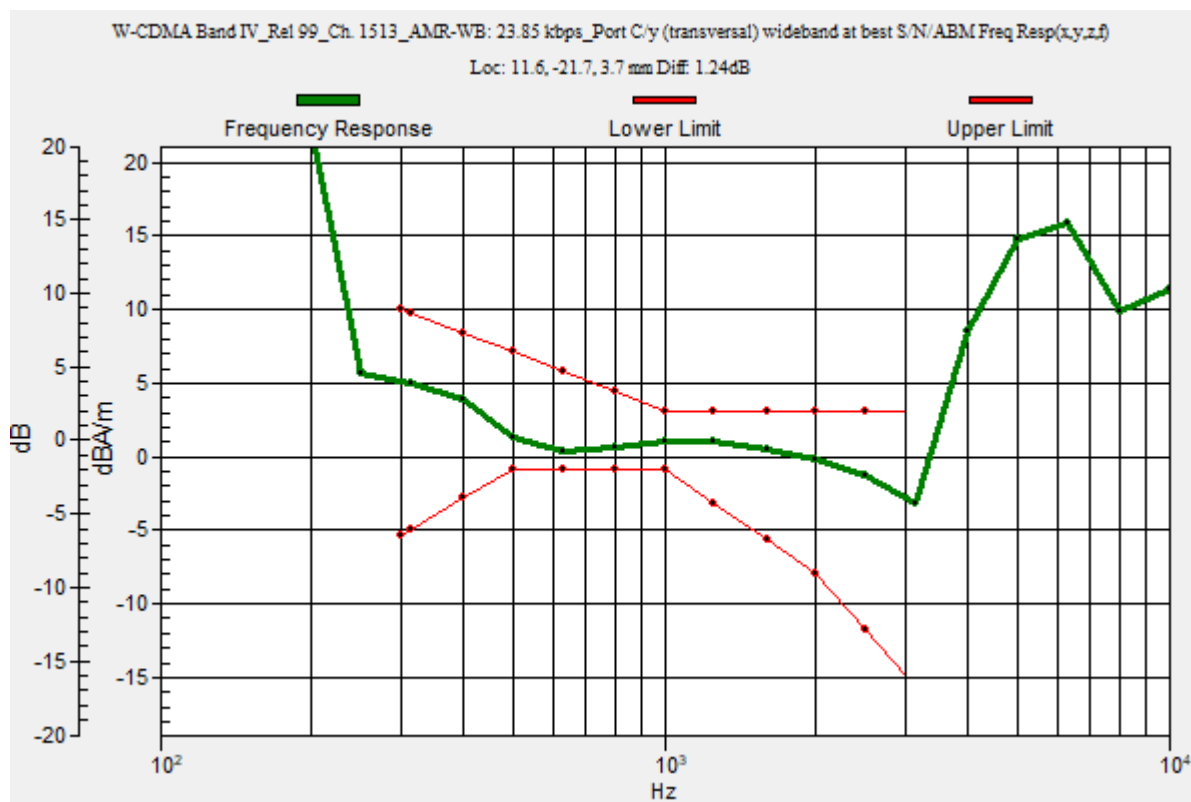
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                      |
| 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: 11.6, -21.7, 3.7 mm



## W-CDMA Band IV

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 1752.6 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)/W-CDMA Band IV\_Rel 99\_Ch.  
1513\_AMR-WB: 23.85 kbps\_Port C/y (transversal) 4.2mm 50 x 50/ABM Interpolated  
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

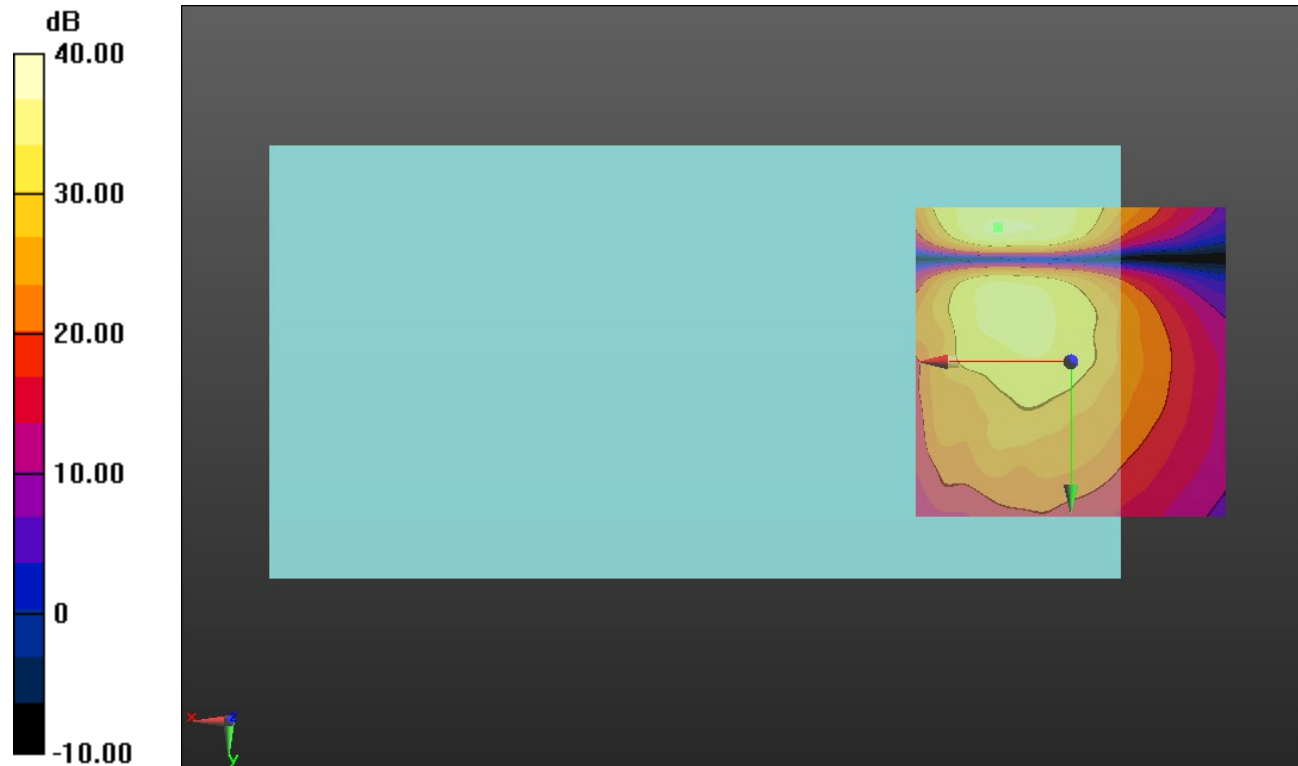
### Cursor:

ABM1/ABM2 = 37.44 dB

ABM1 comp = -1.35 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

## W-CDMA Band V

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 846.6 MHz; Duty Cycle: 1:1

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/W-CDMA Band V\_Rel 99\_Ch. 4233\_AMR-WB: 23.85 kbps\_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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

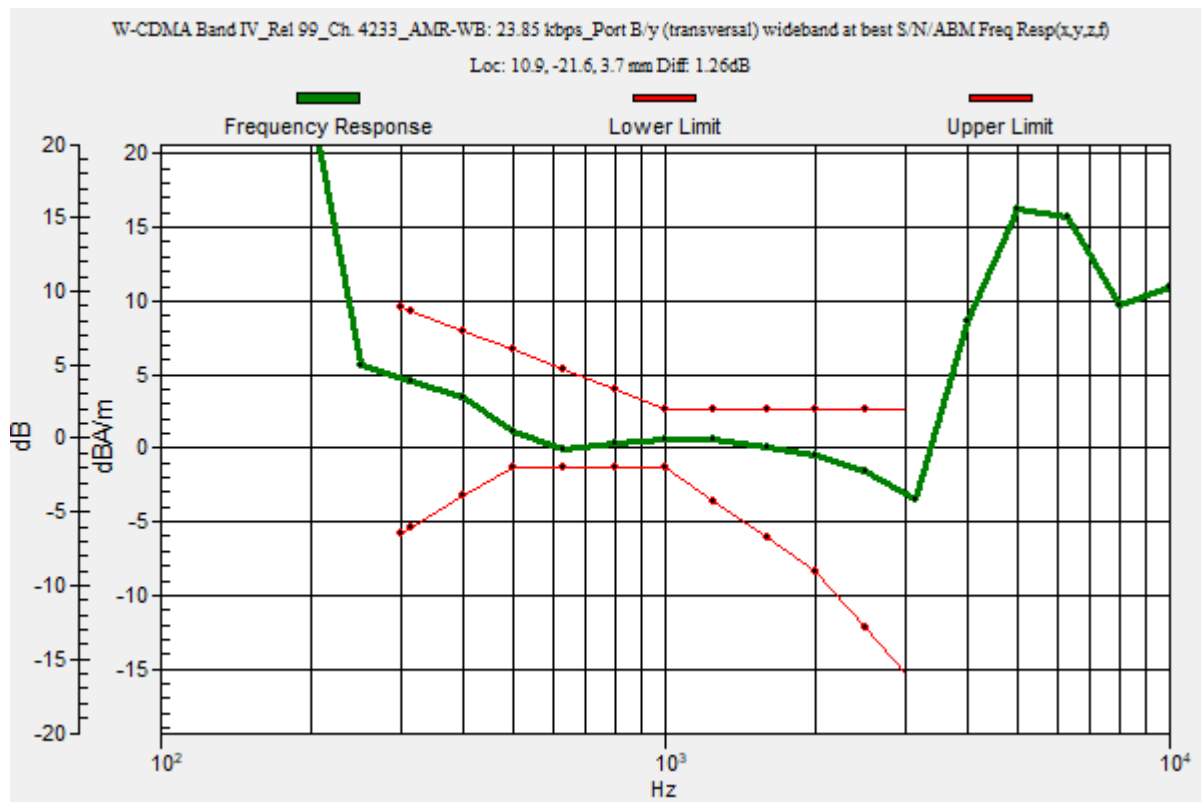
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

#### Cursor:

Diff = 1.26 dB

BWC Factor = 10.80 dB

Location: 10.9, -21.6, 3.7 mm



## W-CDMA Band V

Communication System: UID 0, 1@UMTS-FDD (WCDMA) (0); Frequency: 846.6 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)/W-CDMA Band V\_Rel 99\_Ch.  
4233\_AMR-WB: 23.85 kbps\_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: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

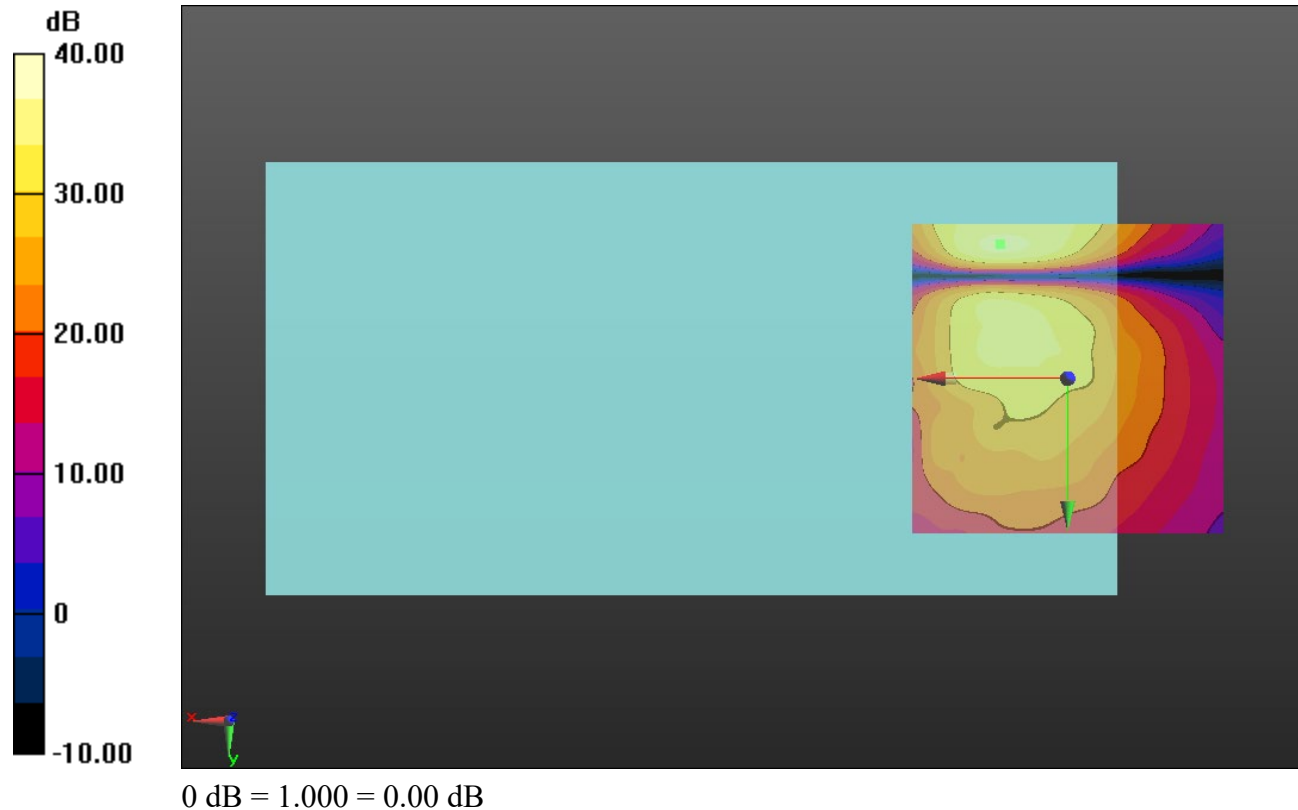
### Cursor:

ABM1/ABM2 = 37.61 dB

ABM1 comp = -1.81 dBA/m

BWC Factor = 0.16 dB

Location: 10.8, -21.7, 3.7 mm



## LTE Band 2

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2\_QPSK\_20 MHz BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 18900\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

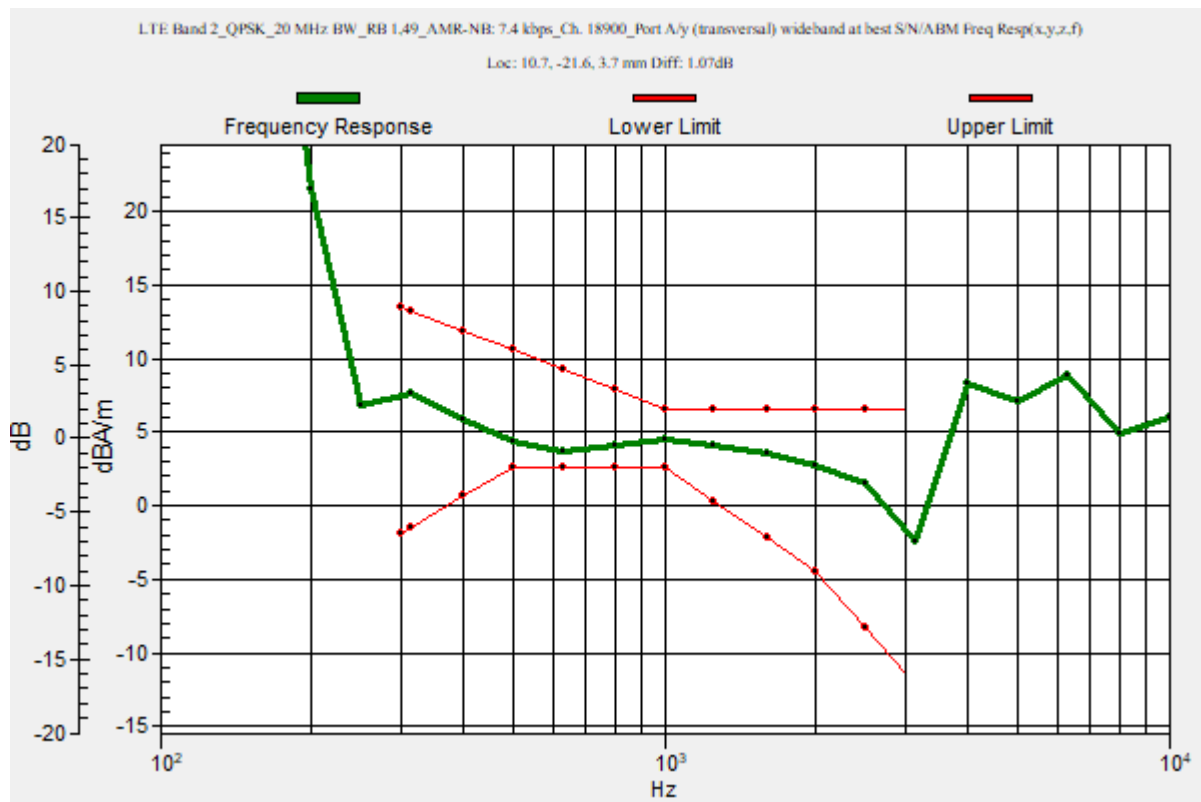
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                         |
| 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: 10.7, -21.6, 3.7 mm



## LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (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)/LTE Band 2\_QPSK\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 18900\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

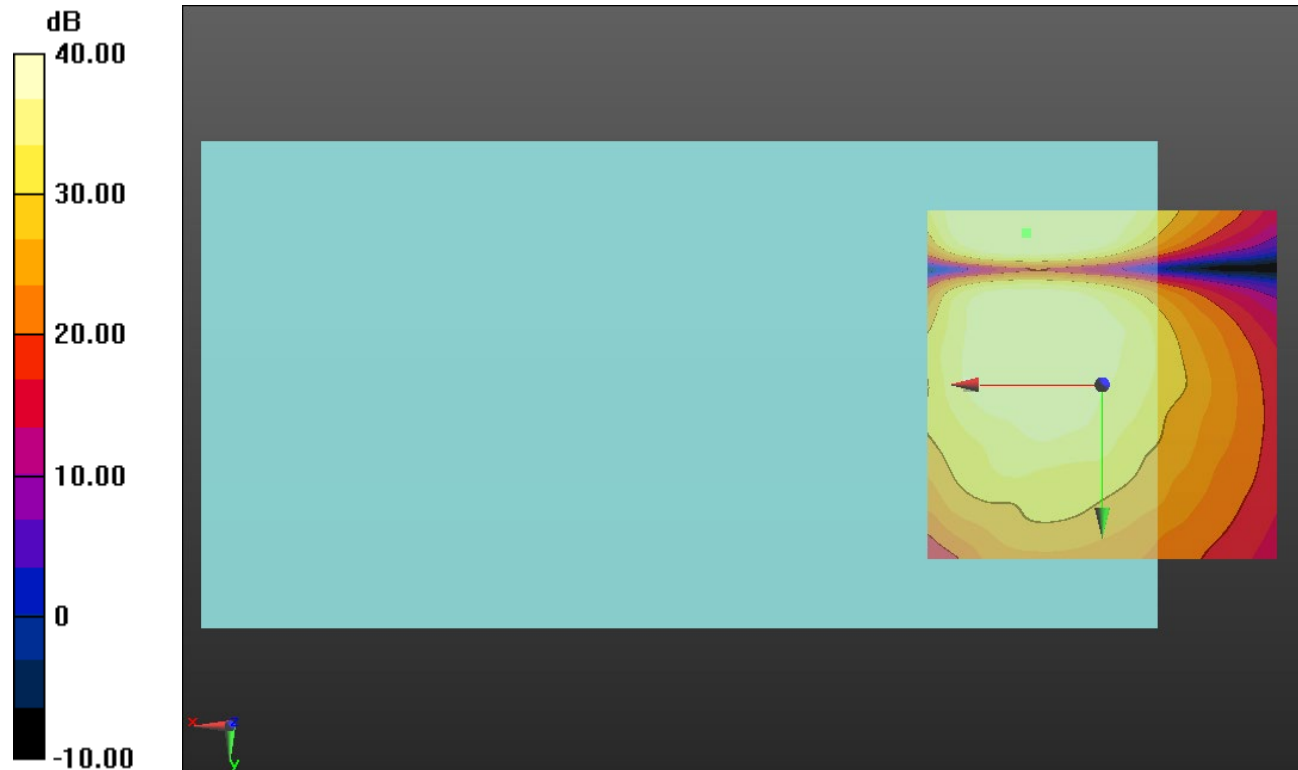
### Cursor:

ABM1/ABM2 = 43.71 dB

ABM1 comp = 4.02 dBA/m

BWC Factor = 0.16 dB

Location: 10.8, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

## LTE Band 4

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4\_QPSK\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 20175\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

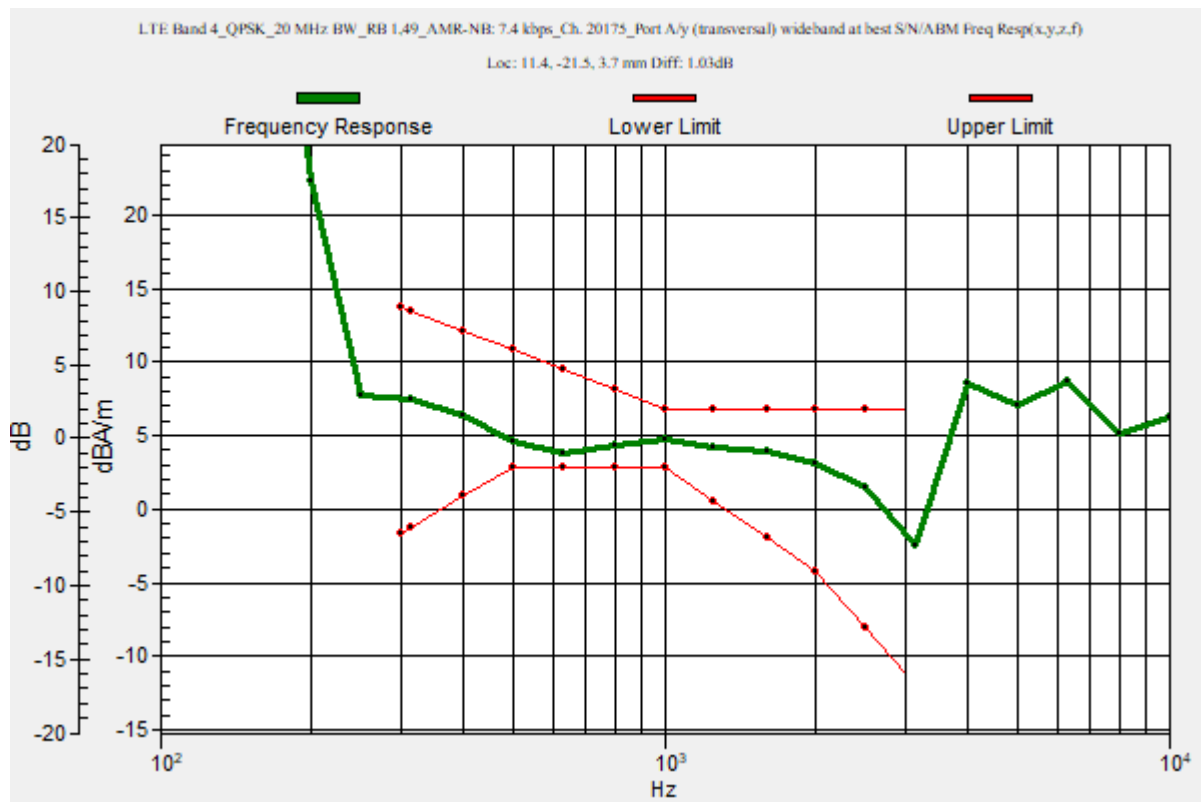
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                         |
| 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: 11.4, -21.5, 3.7 mm



## LTE Band 4

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1732.5 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 4\_QPSK\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 20175\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

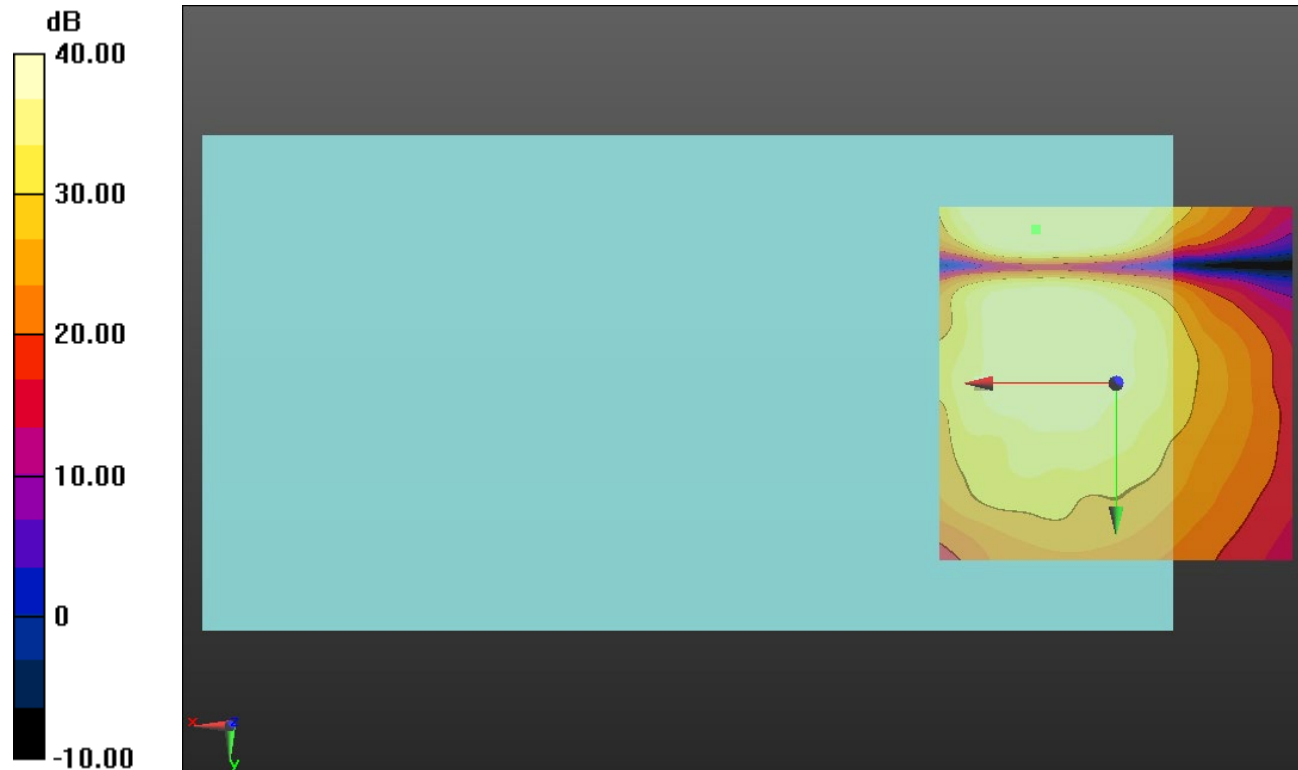
### Cursor:

ABM1/ABM2 = 43.88 dB

ABM1 comp = 4.23 dBA/m

BWC Factor = 0.16 dB

Location: 11.3, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

## LTE Band 5

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5\_QPSK\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 20525\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

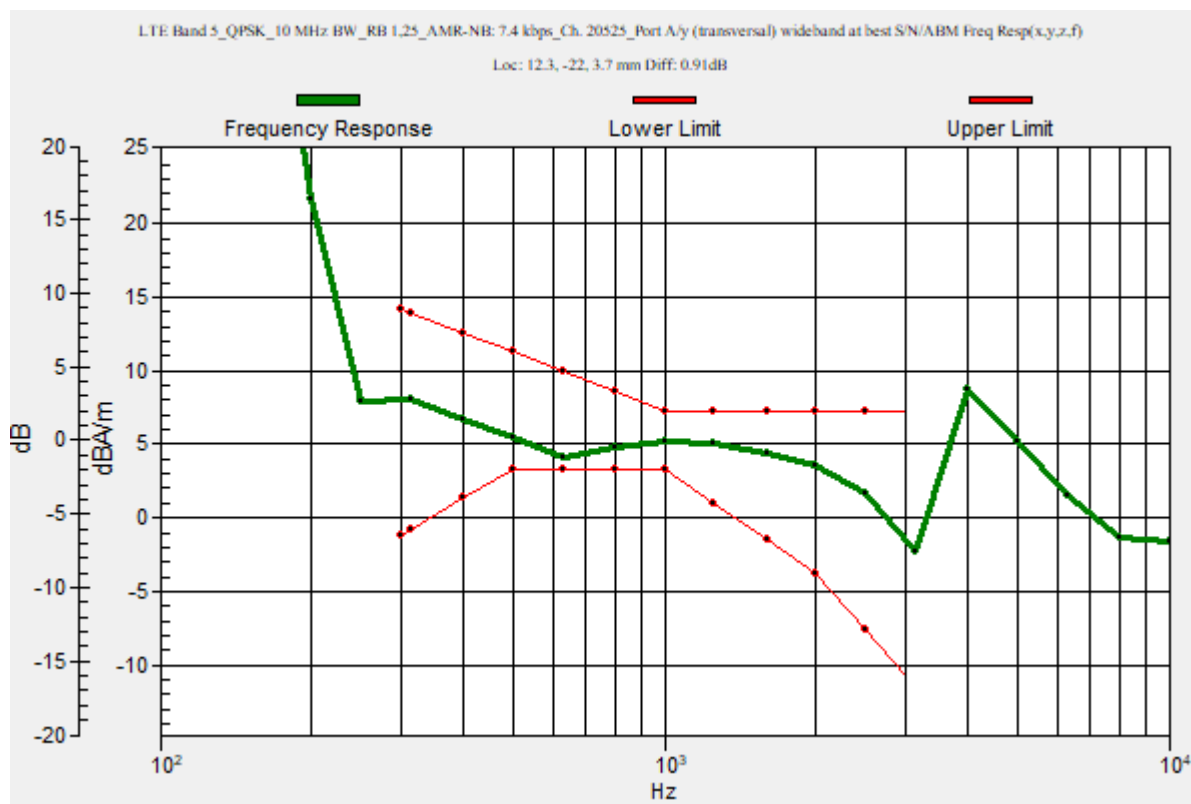
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                      |
| 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, -22, 3.7 mm



## LTE Band 5

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 836.5 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 5\_QPSK\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 20525\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

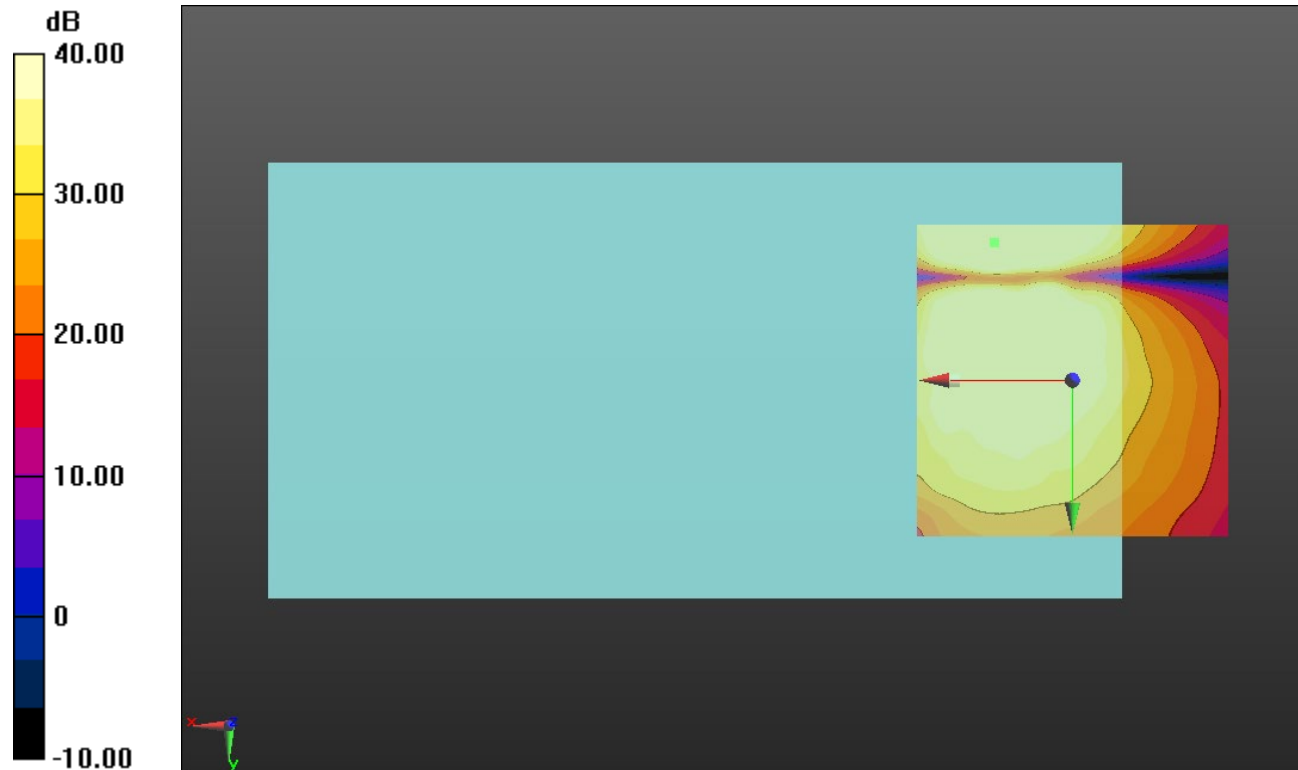
### Cursor:

ABM1/ABM2 = 52.76 dB

ABM1 comp = 4.47 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -22.1, 3.7 mm



## LTE Band 7

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7\_QPSK\_20 MHz BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 21100\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

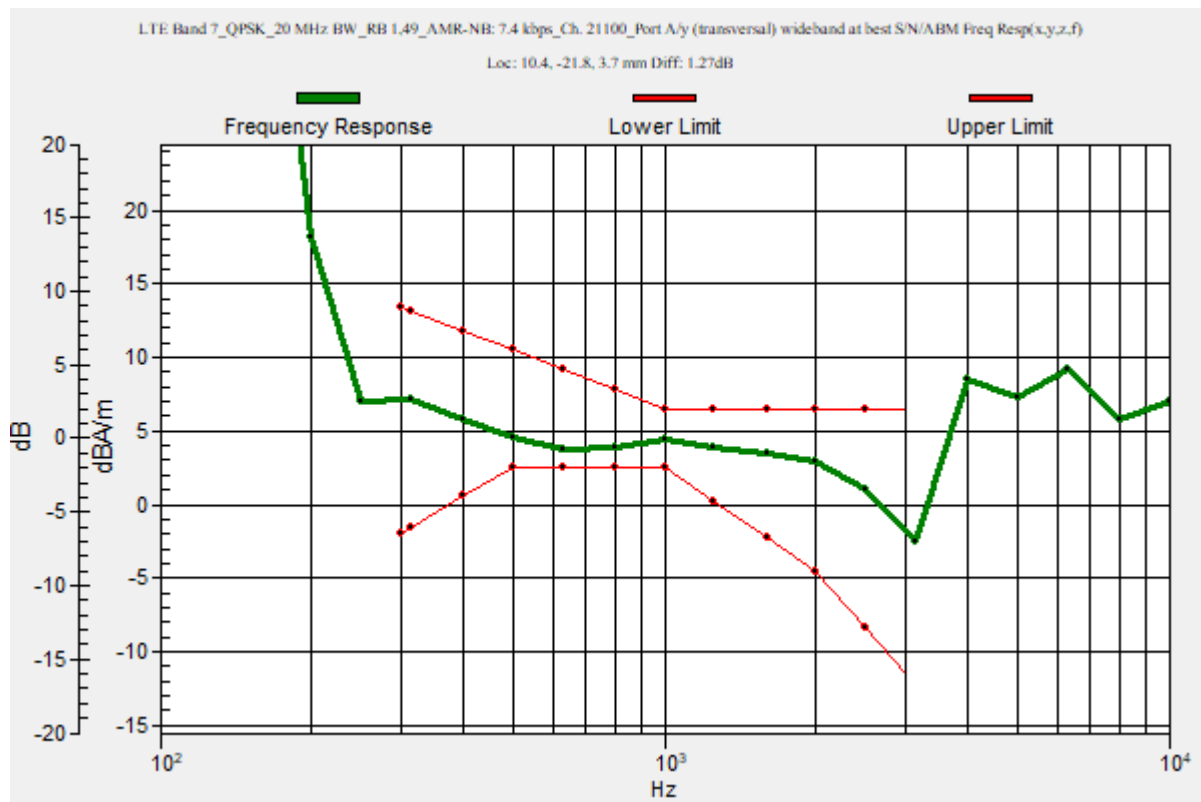
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                      |
| 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: 10.4, -21.8, 3.7 mm



## LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2535 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\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 21100\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

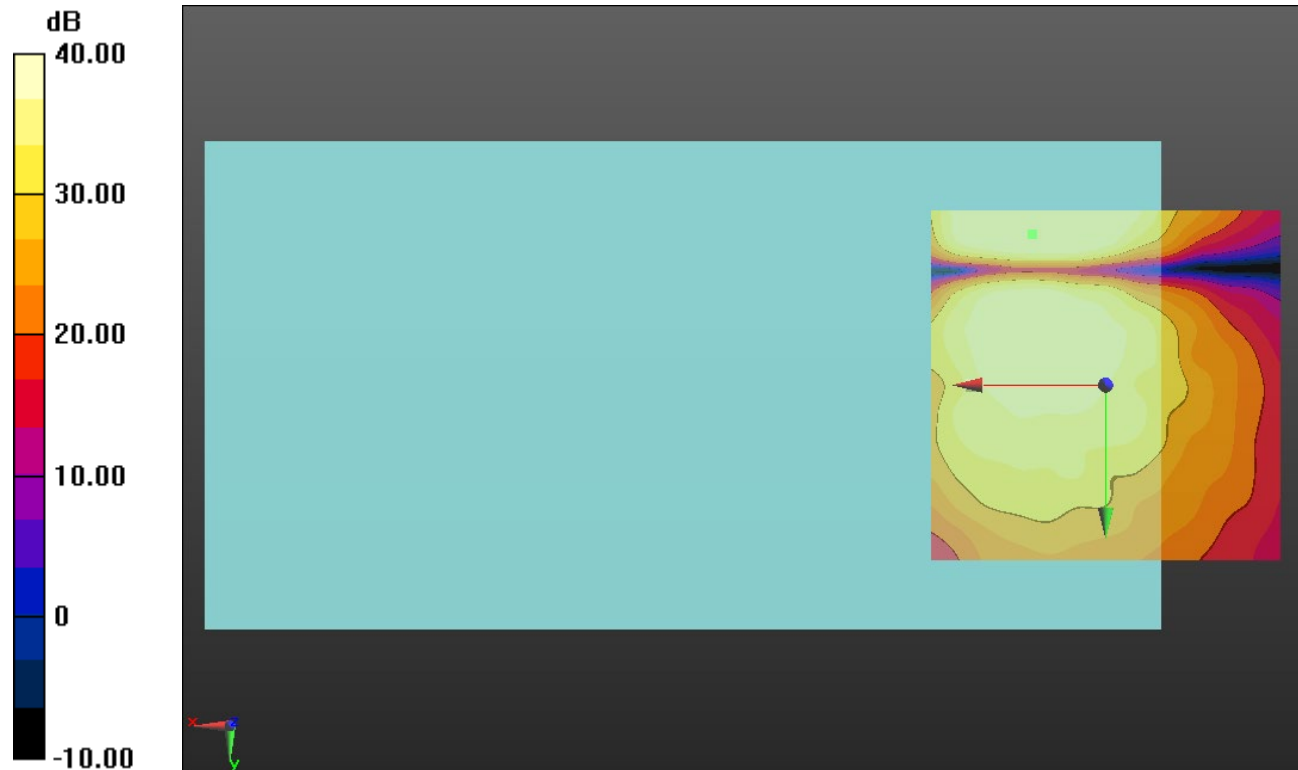
### Cursor:

ABM1/ABM2 = 42.82 dB

ABM1 comp = 3.74 dBA/m

BWC Factor = 0.16 dB

Location: 10.4, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

**LTE Band 12**

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12\_QPSK\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23095\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

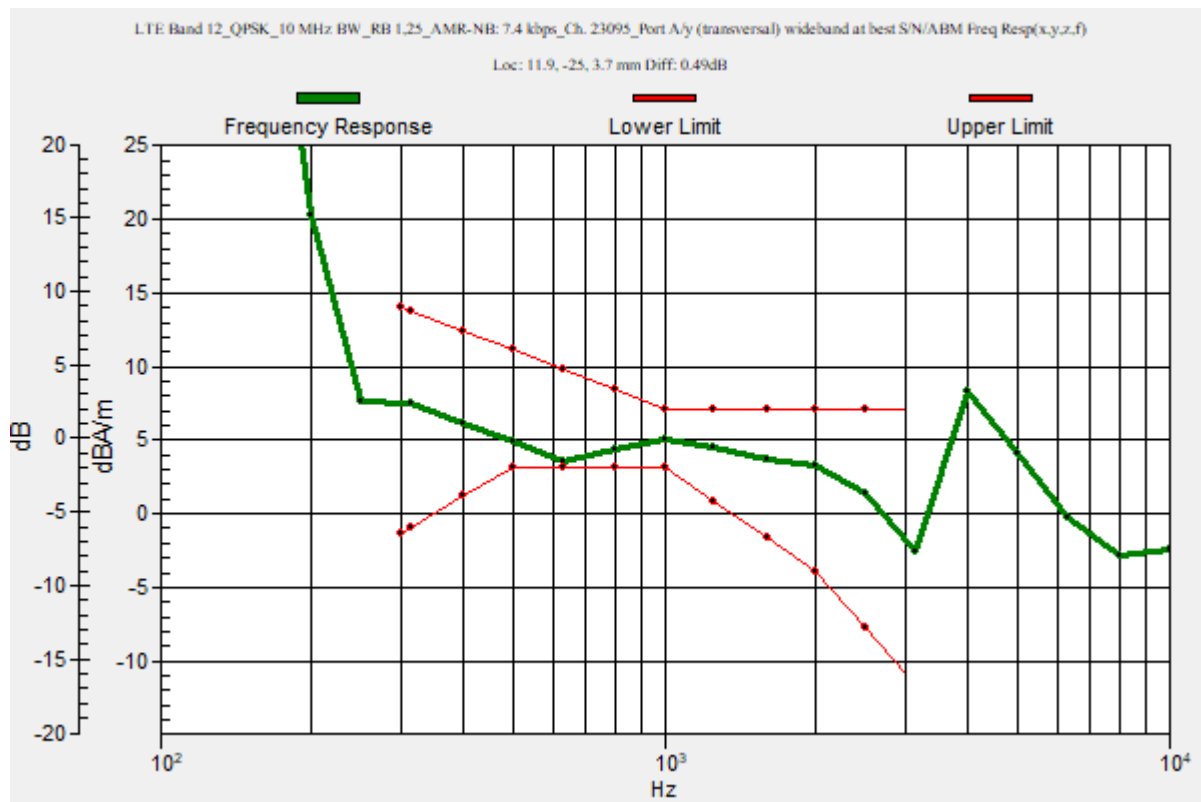
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                               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

**Cursor:**

Diff = 0.49 dB

BWC Factor = 10.80 dB

Location: 11.9, -25, 3.7 mm



## LTE Band 12

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 707.5 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 12\_QPSK\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23095\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

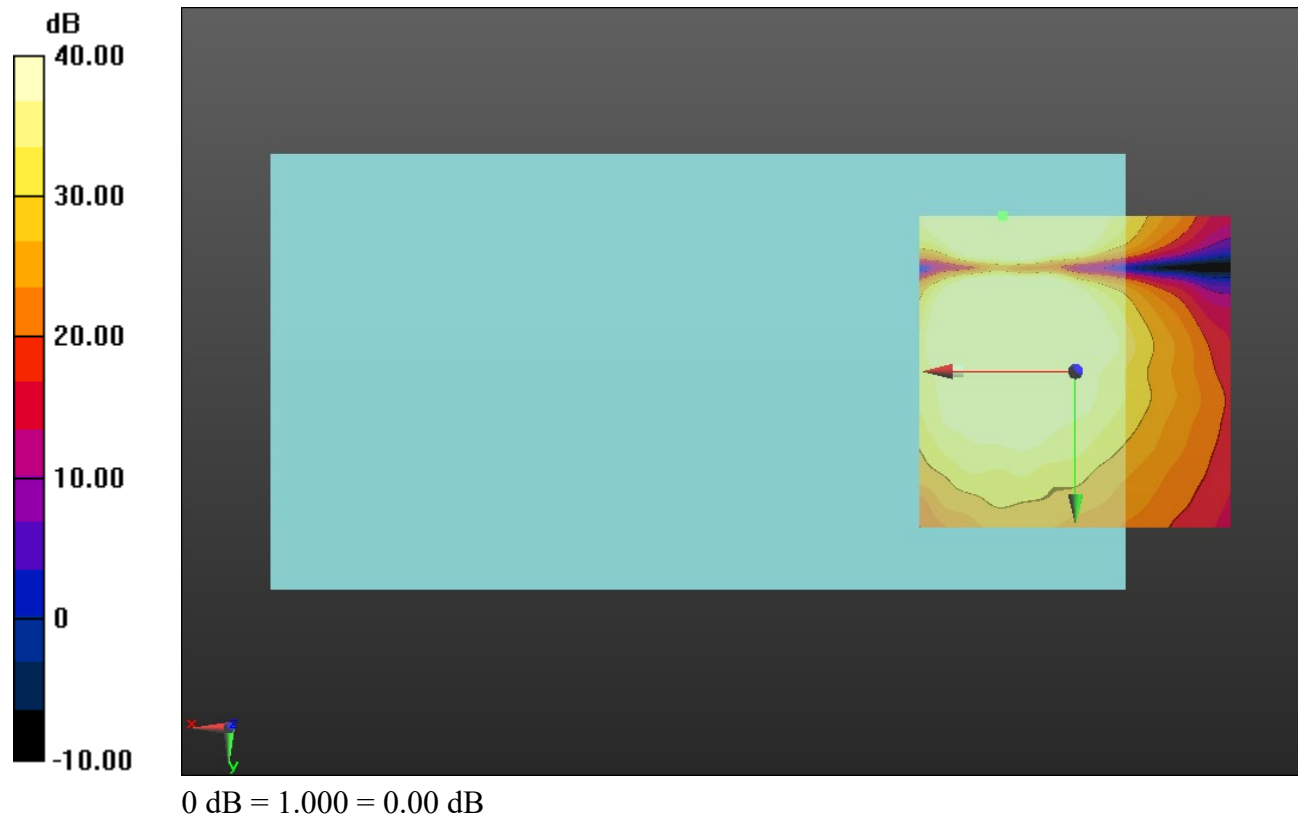
### Cursor:

ABM1/ABM2 = 52.17 dB

ABM1 comp = 3.99 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -25, 3.7 mm



**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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23230\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

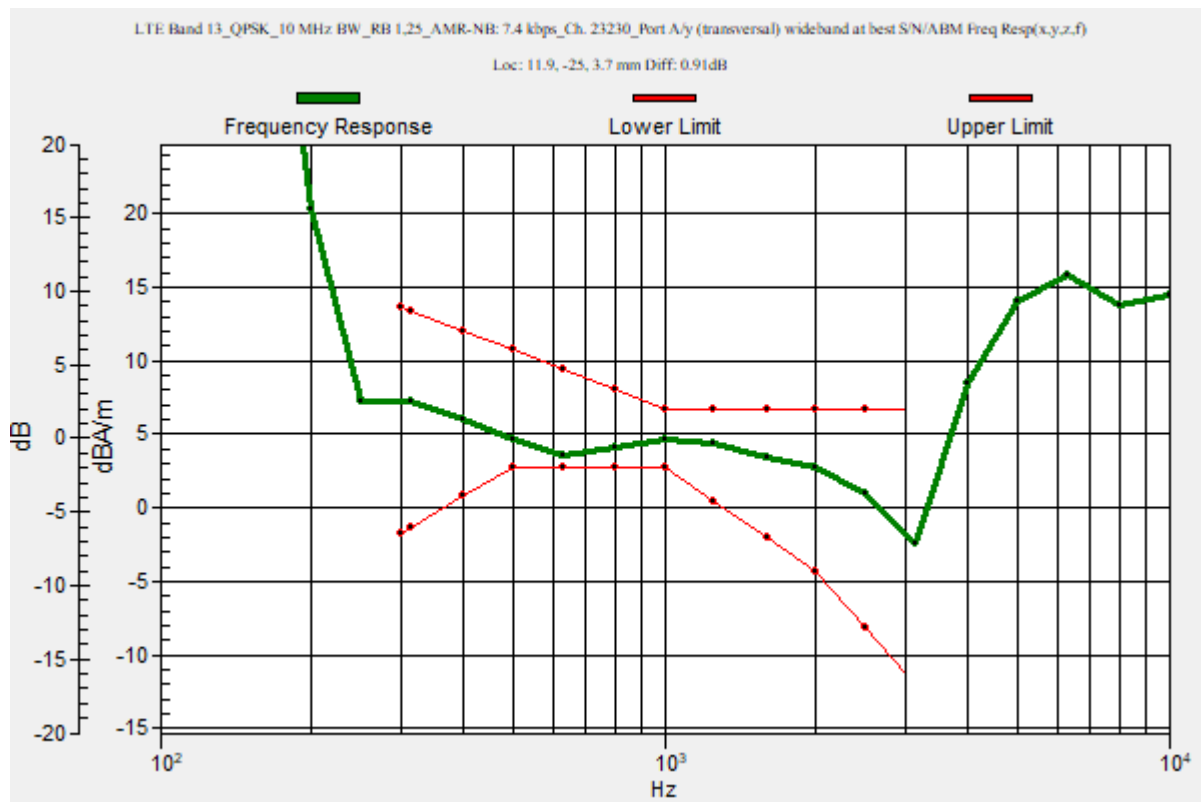
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                         |
| 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: 11.9, -25, 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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23230\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

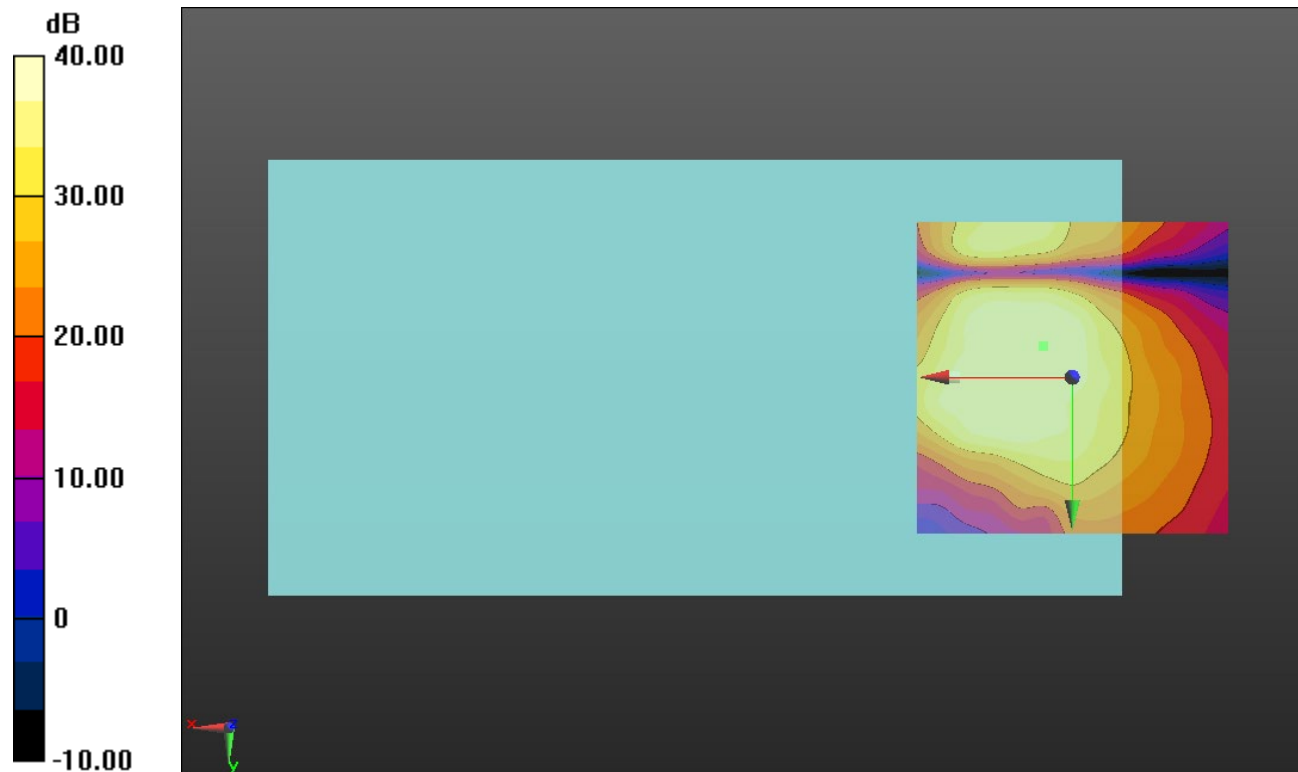
### Cursor:

ABM1/ABM2 = 41.09 dB

ABM1 comp = -3.15 dBA/m

BWC Factor = 0.16 dB

Location: 4.6, -5, 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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23330\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

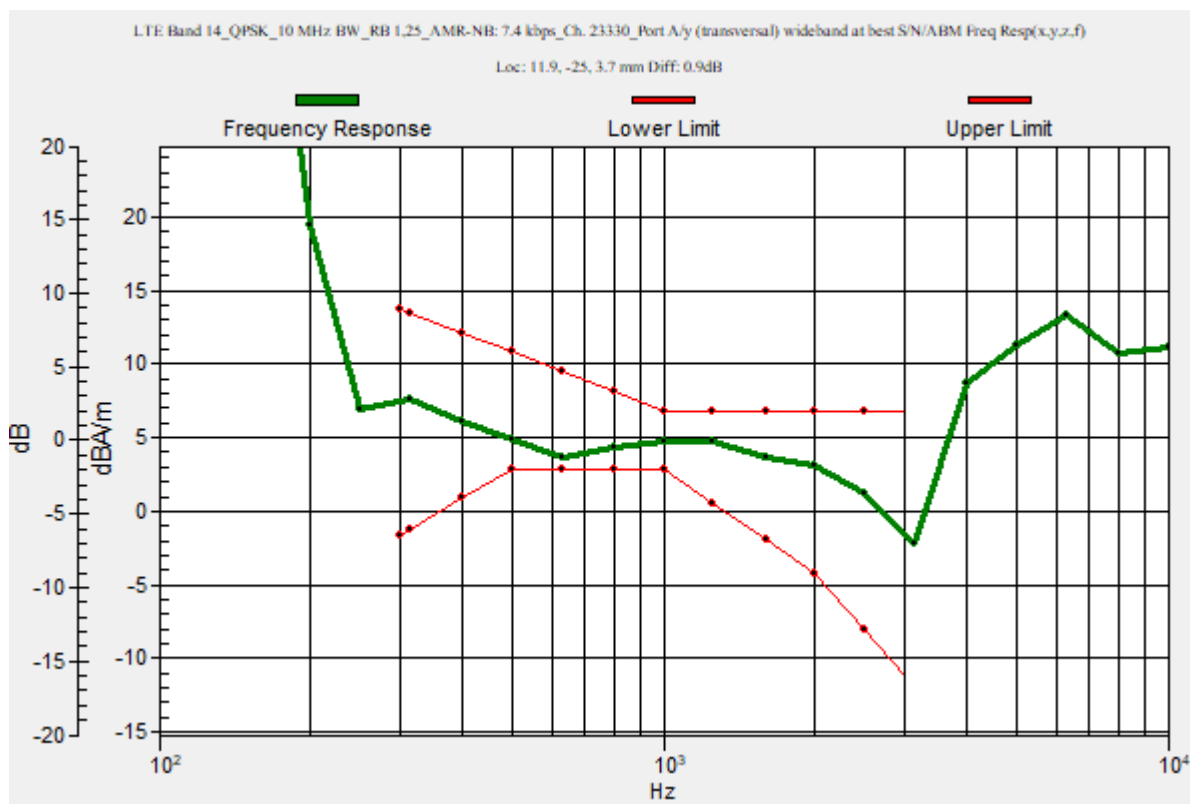
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                         |
| 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: 11.9, -25, 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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23330\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

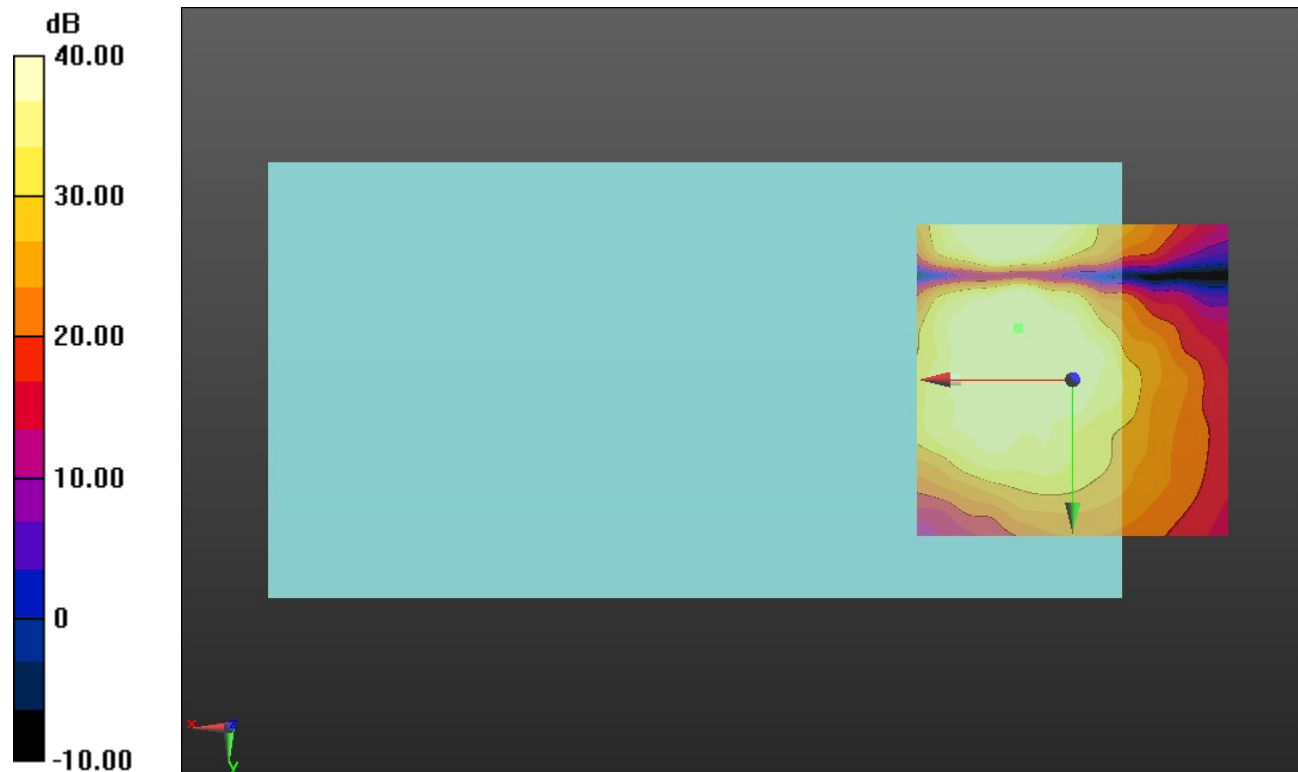
### Cursor:

ABM1/ABM2 = 45.81 dB

ABM1 comp = 2.45 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -8.3, 3.7 mm



**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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23790\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

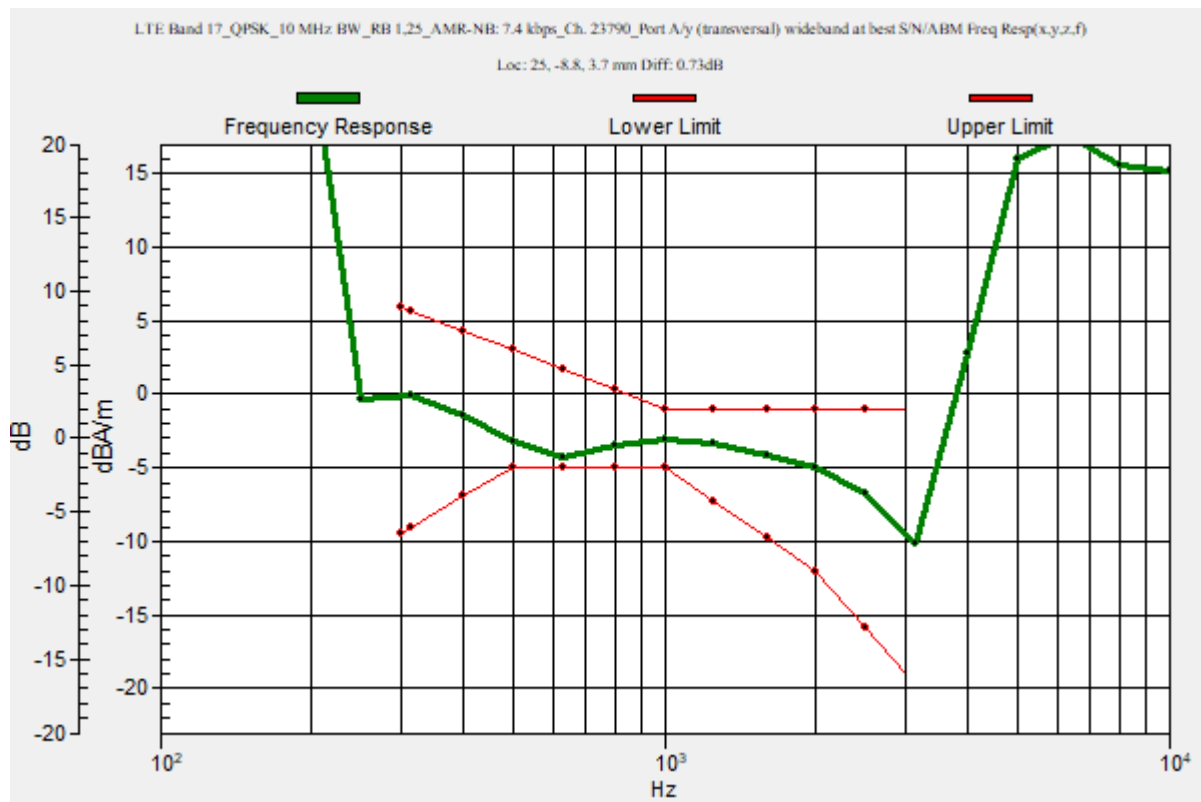
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                               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

**Cursor:**

Diff = 0.73 dB

BWC Factor = 10.80 dB

Location: 25, -8.8, 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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 23790\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

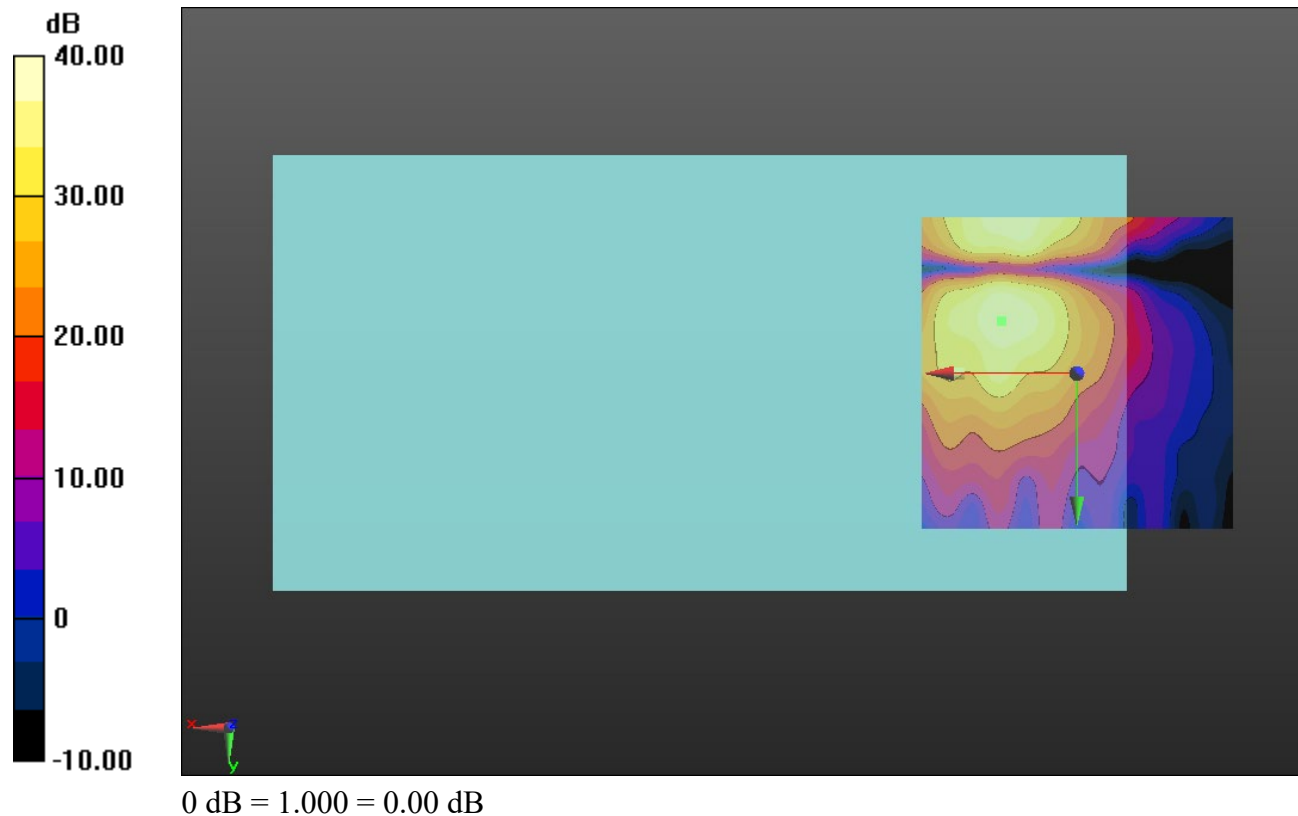
### Cursor:

ABM1/ABM2 = 40.37 dB

ABM1 comp = 4.30 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -8.3, 3.7 mm



## LTE Band 25

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25\_QPSK\_RB 1,49\_Ch. 26365\_AMR-NB: 7.4 kbps\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

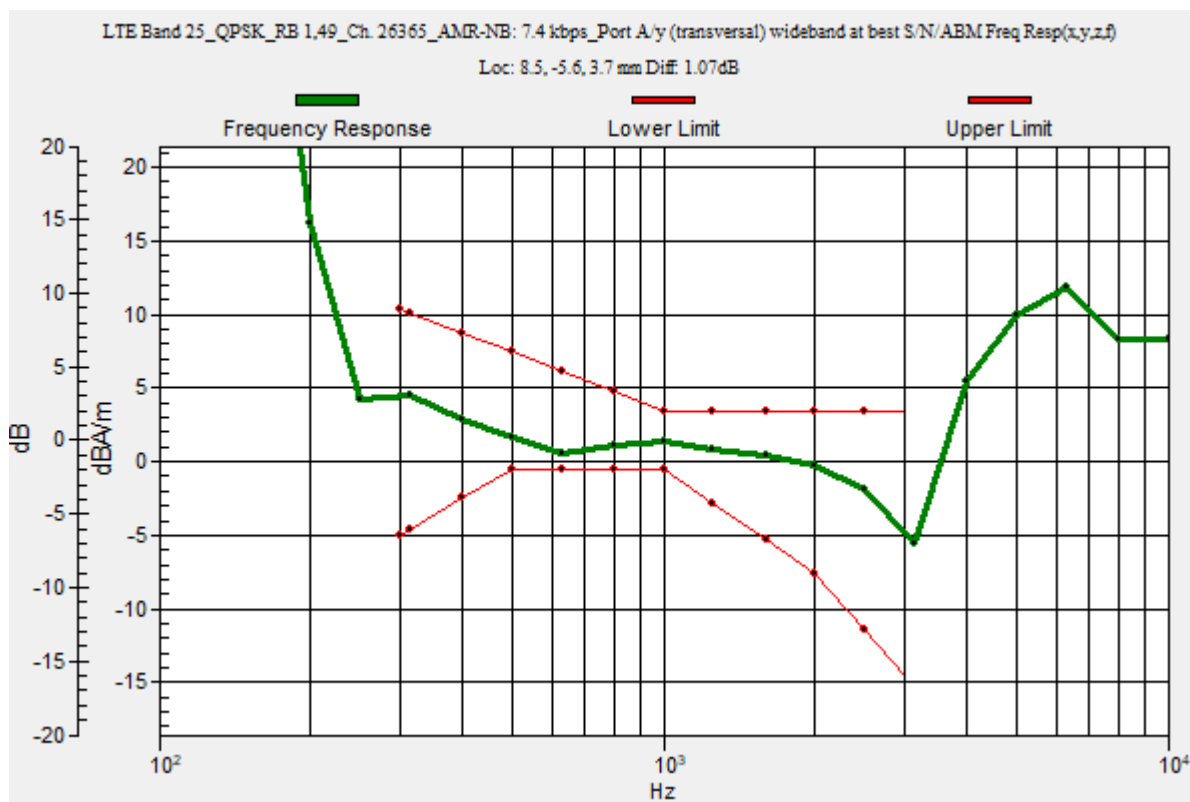
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                      |
| 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: 8.5, -5.6, 3.7 mm



## LTE Band 25

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1882.5 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 25\_QPSK\_RB 1,49\_Ch. 26365\_AMR-NB: 7.4 kbps\_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated**

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

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

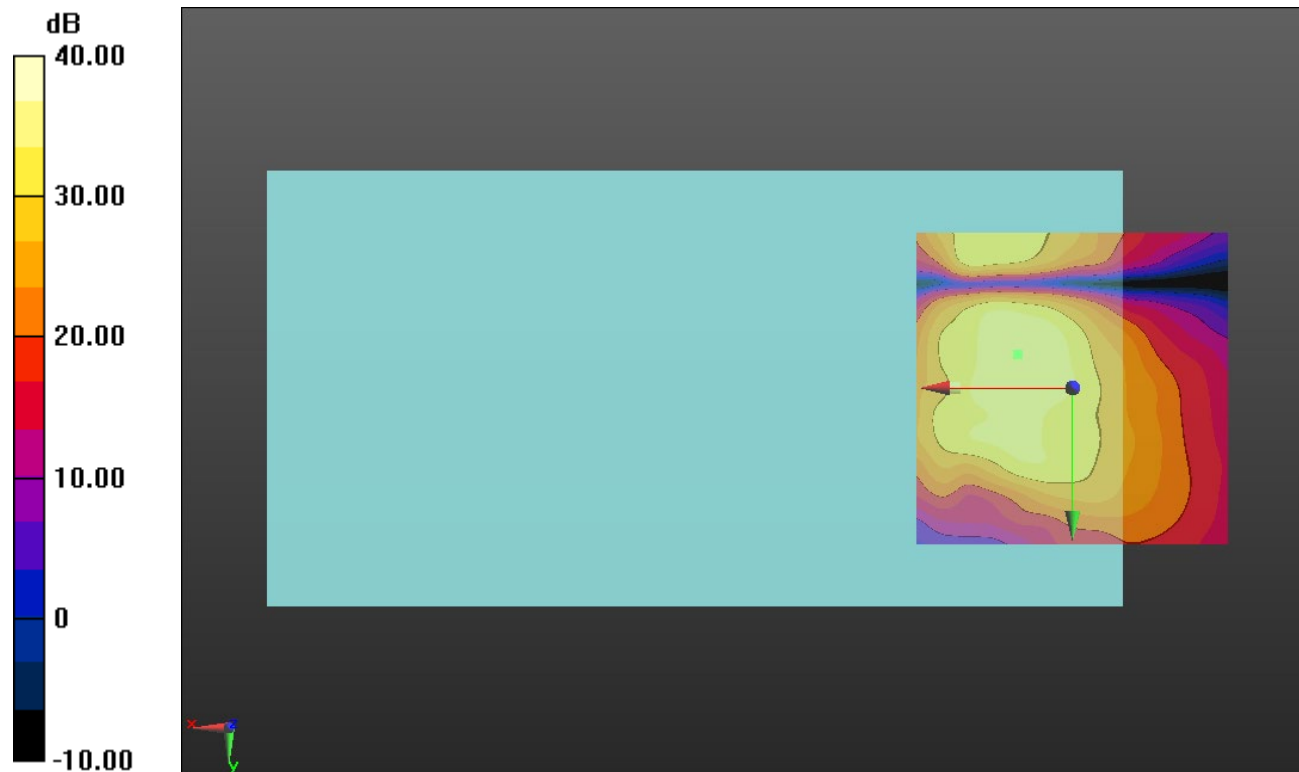
### Cursor:

ABM1/ABM2 = 36.67 dB

ABM1 comp = 0.99 dBA/m

BWC Factor = 0.16 dB

Location: 8.8, -5.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

**LTE Band 26**

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26\_QPSK\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 26865\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

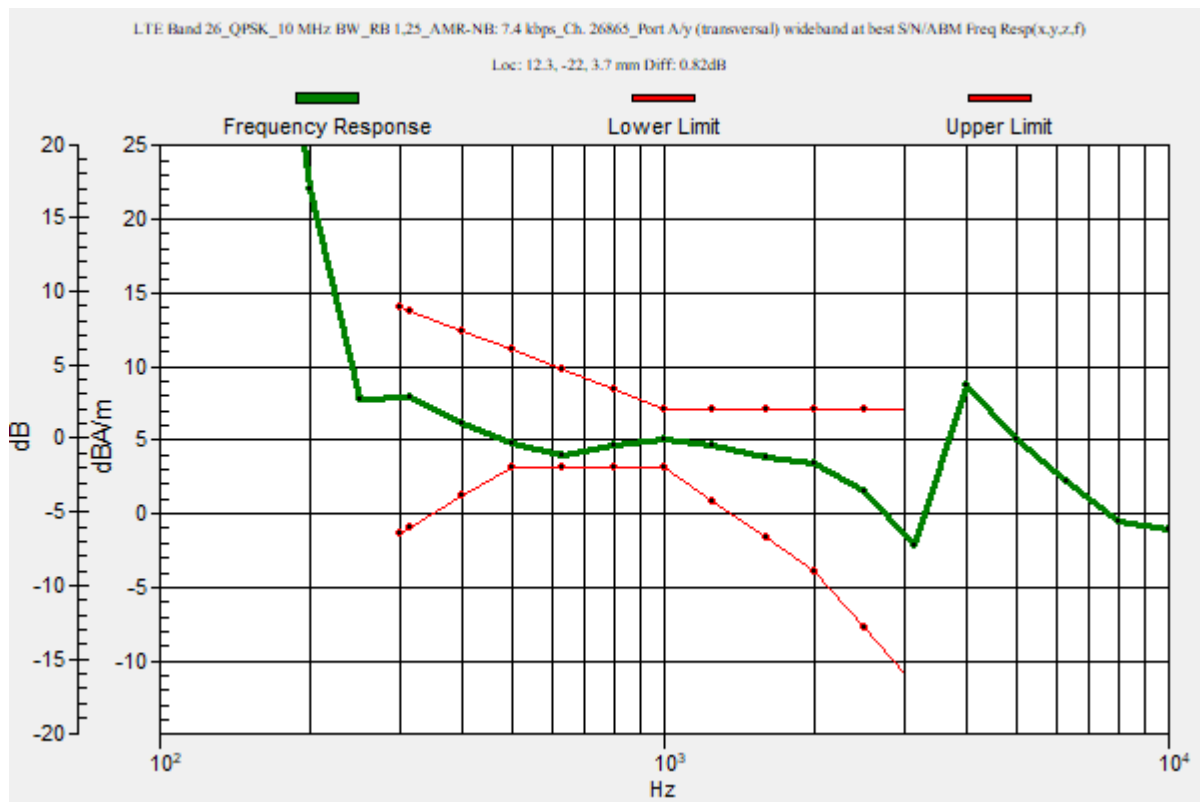
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                         |
| 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: 12.3, -22, 3.7 mm



## LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 831.5 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 26\_QPSK\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 26865\_Port A/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: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

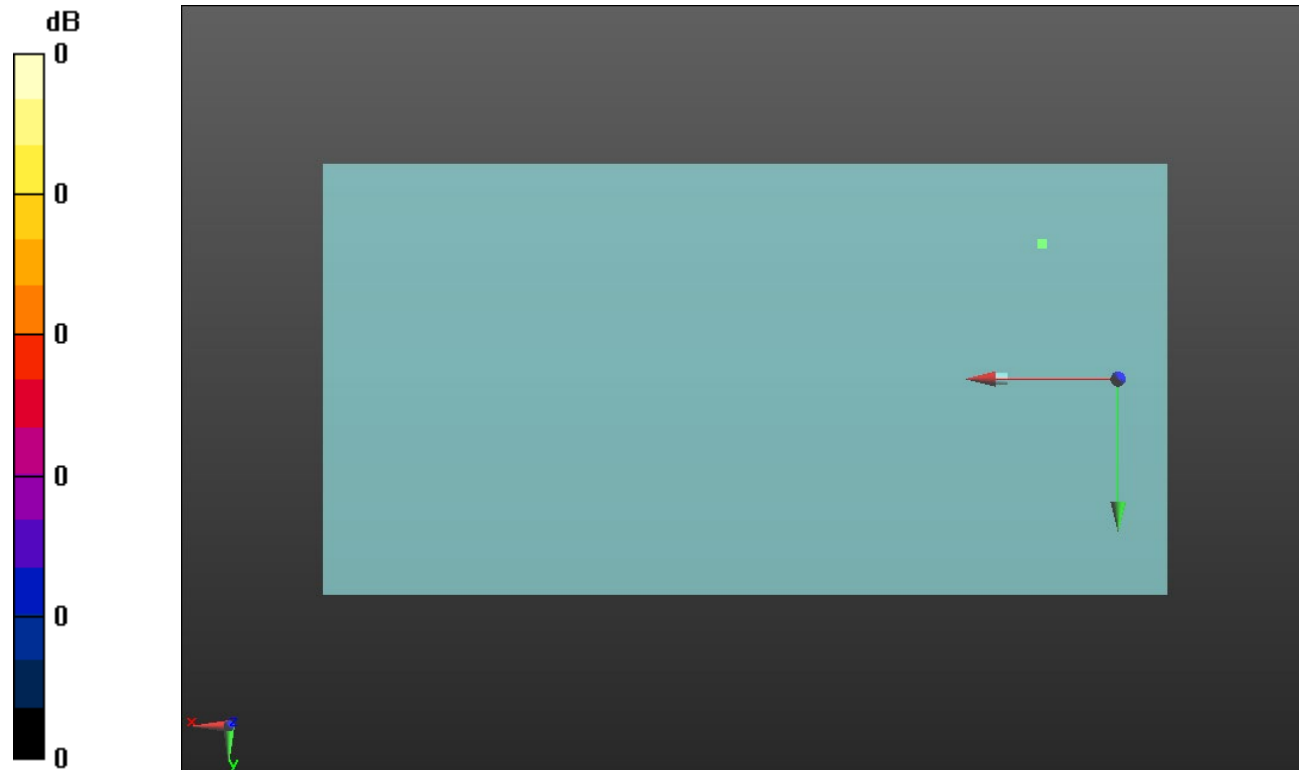
### Cursor:

ABM1/ABM2 = 50.98 dB

ABM1 comp = 4.31 dBA/m

BWC Factor = 0.16 dB

Location: 12.3, -22, 3.7 mm



**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\_10 MHz BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 27710\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

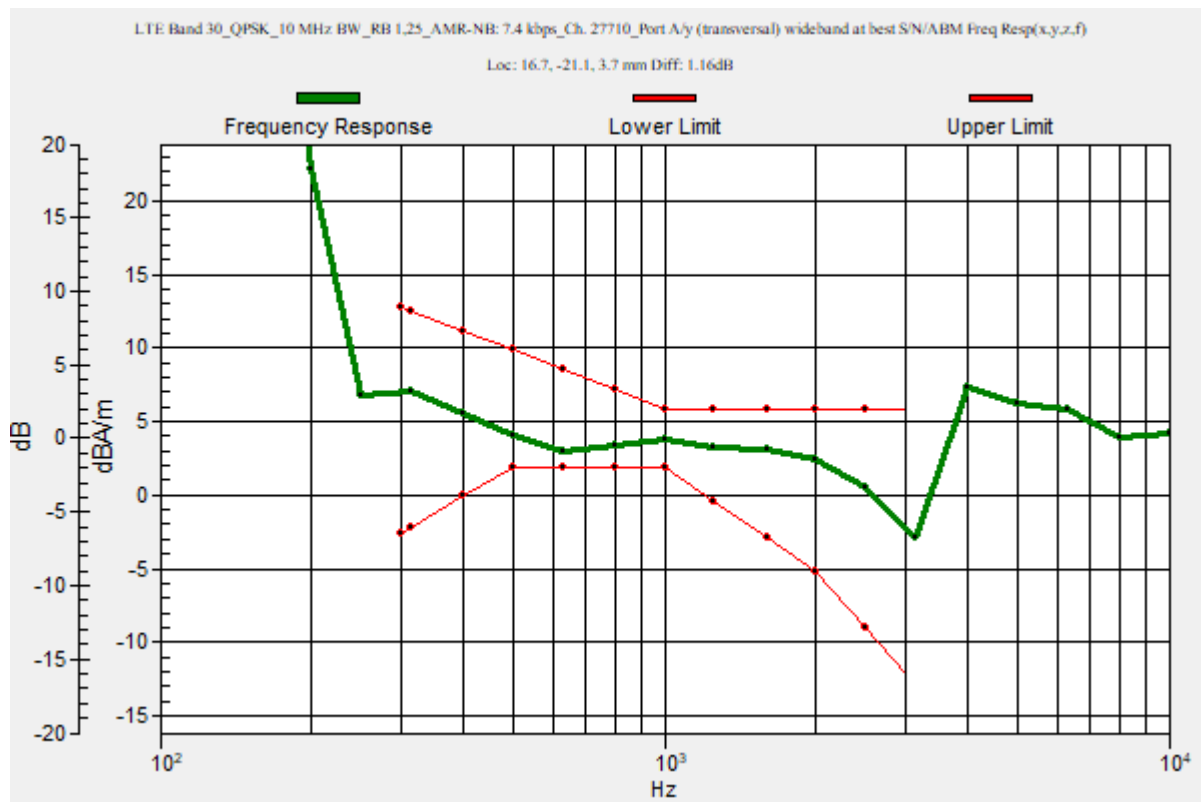
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

**Cursor:**

Diff = 1.16 dB

BWC Factor = 10.80 dB

Location: 16.7, -21.1, 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\_10 MHz  
BW\_RB 1,25\_AMR-NB: 7.4 kbps\_Ch. 27710\_Port A/y (transversal) 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: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

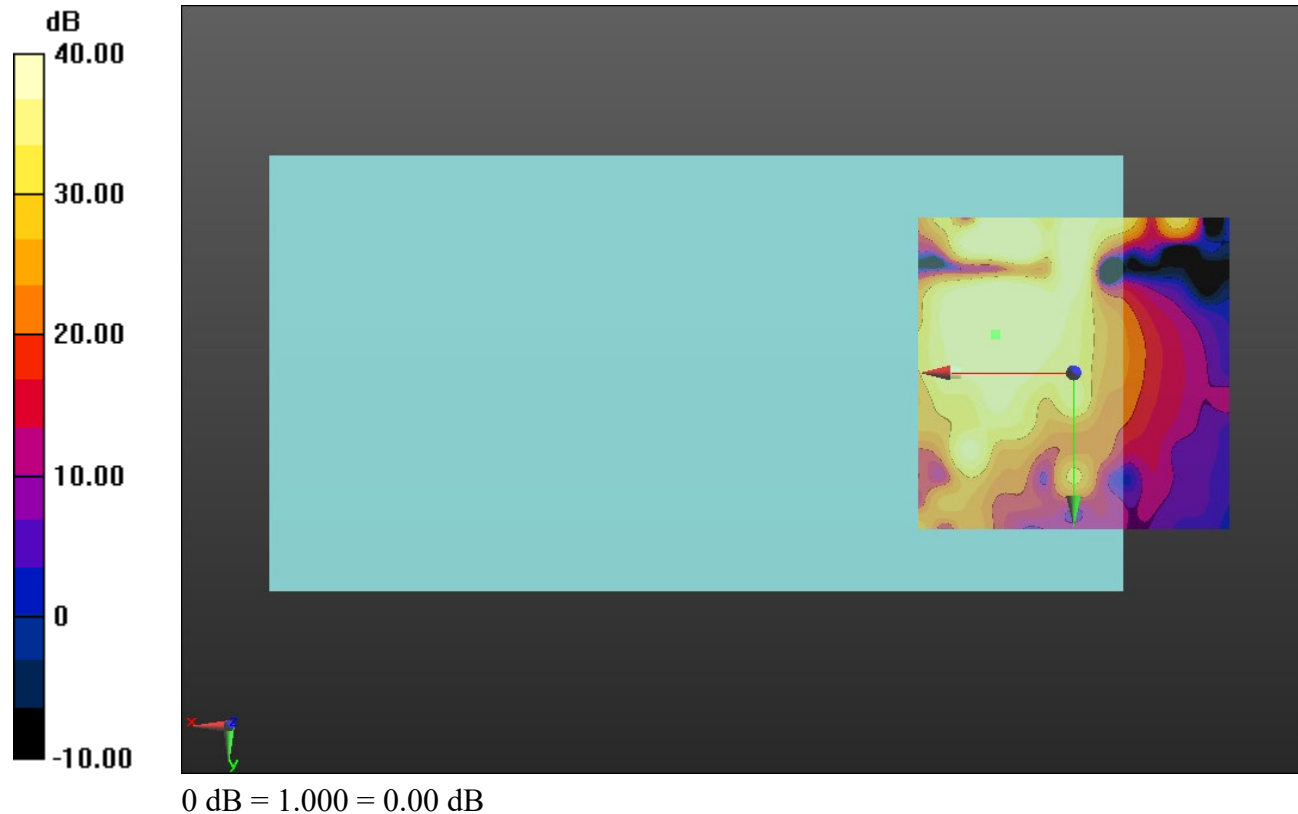
### Cursor:

ABM1/ABM2 = 45.82 dB

ABM1 comp = 5.25 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -6.3, 3.7 mm



## LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2680 MHz;Duty Cycle: 1:1.59956

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41\_20MHz\_QPSK\_RB 1,49\_Ch. 41490\_AMR-WB: 15.85 kbps\_Port D/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

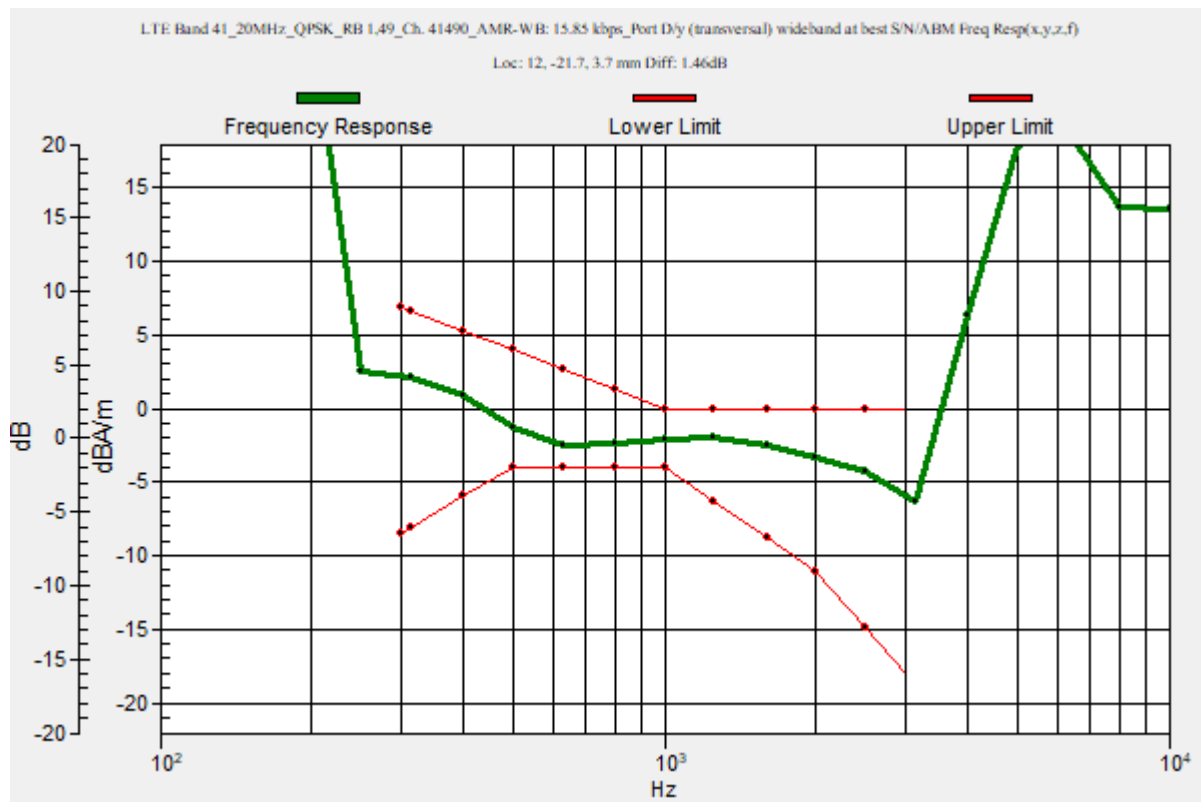
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

#### Cursor:

Diff = 1.46 dB

BWC Factor = 10.80 dB

Location: 12, -21.7, 3.7 mm



## LTE Band 41

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 2680 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\_20MHz\_QPSK\_RB 1,49\_Ch. 41490\_AMR-WB: 15.85 kbps\_Port D/y (transversal) 4.2mm 50 x 50/ABM

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

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

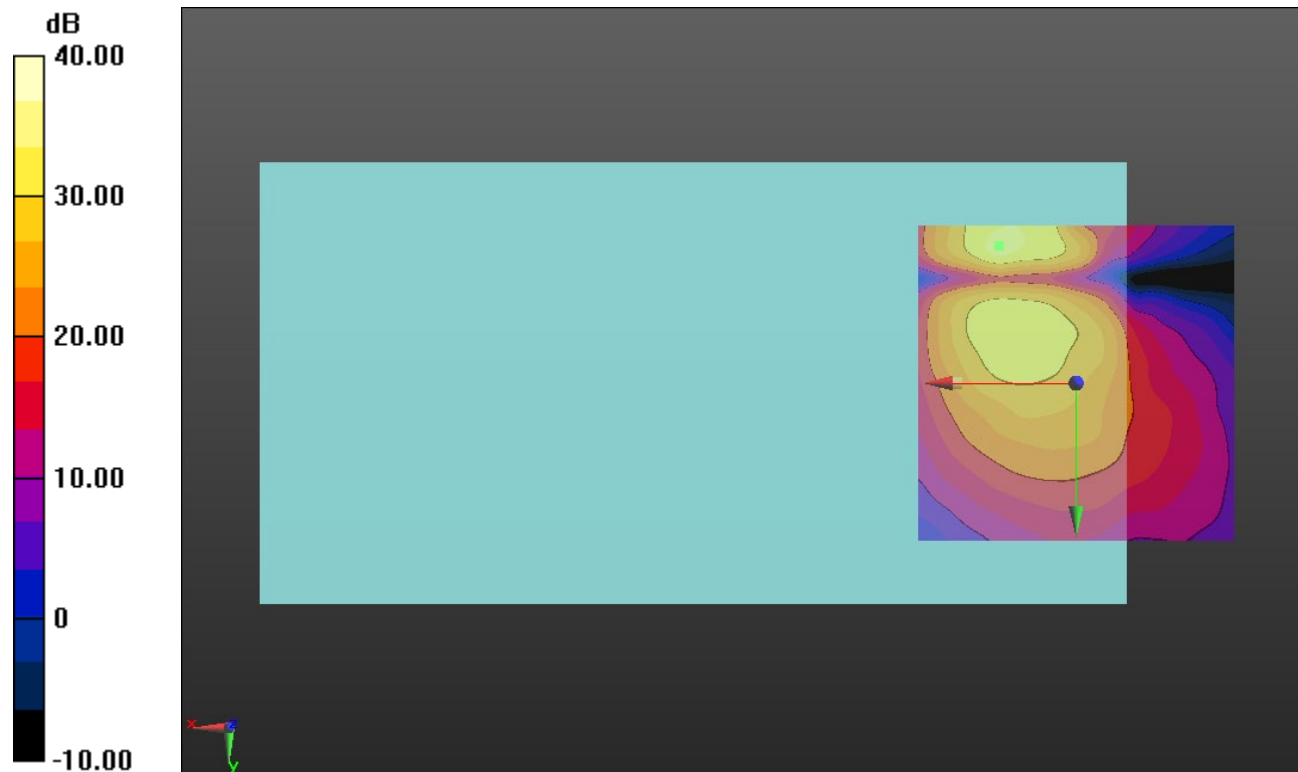
#### Cursor:

ABM1/ABM2 = 34.57 dB

ABM1 comp = -2.34 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

**LTE Band 48**

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3690 MHz;Duty Cycle: 1:1.59956

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48\_20MHz\_QPSK\_RB 1,49\_Ch. 56640\_AMR-WB: 15.85 kbps\_Port D/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

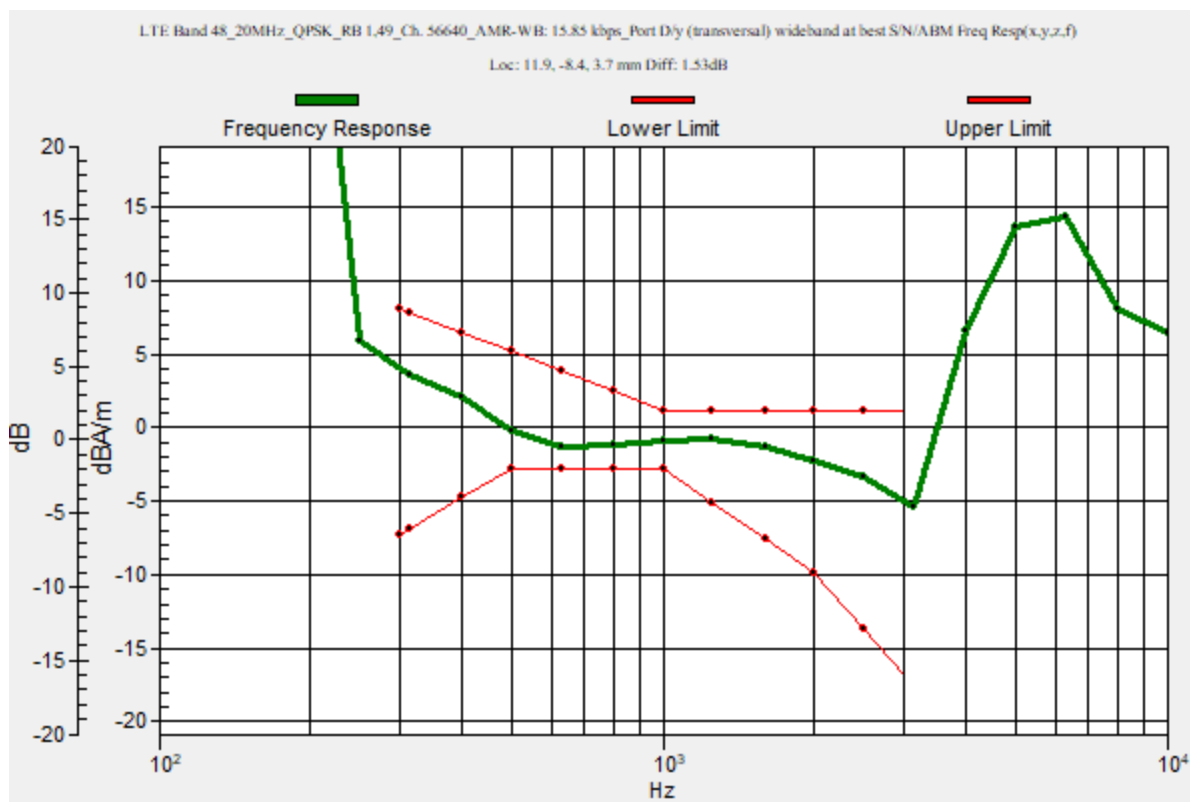
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

**Cursor:**

Diff = 1.53 dB

BWC Factor = 10.80 dB

Location: 11.9, -8.4, 3.7 mm



## LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3690 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\_20MHz\_QPSK\_RB 1,49\_Ch. 56640\_AMR-WB: 15.85 kbps\_Port D/y (transversal) 4.2mm 50 x 50/ABM

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

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

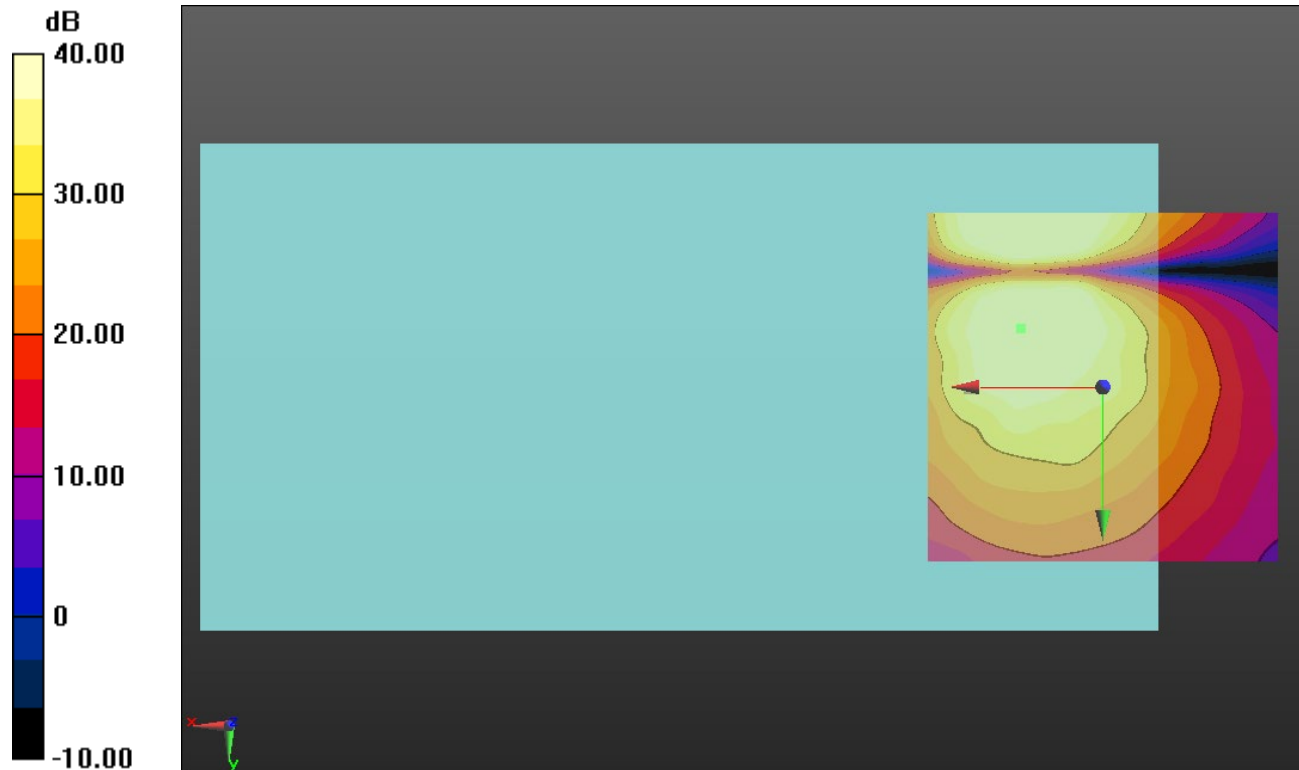
#### Cursor:

ABM1/ABM2 = 46.37 dB

ABM1 comp = -1.20 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -8.3, 3.7 mm



**LTE Band 66**

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 66\_QPSK\_20 MHz BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 132322\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

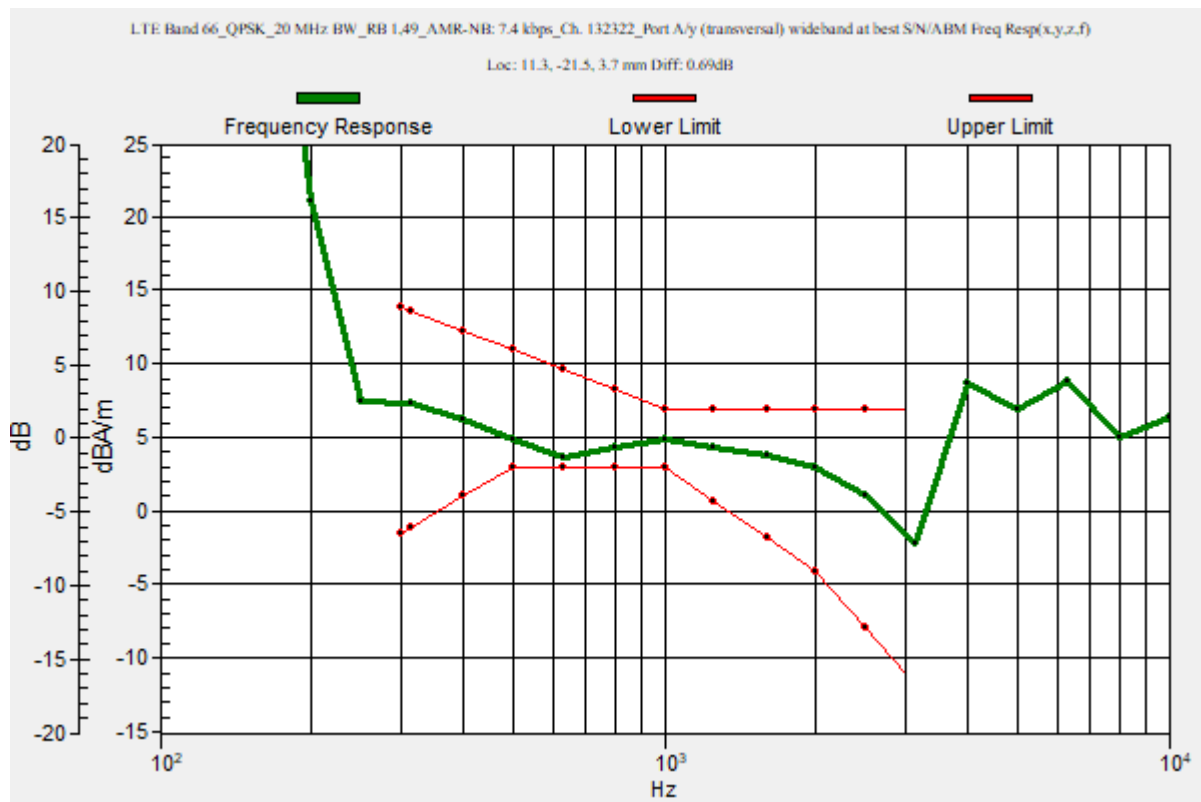
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                      |
| 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: 11.3, -21.5, 3.7 mm



## LTE Band 66

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 66\_QPSK\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 132322\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

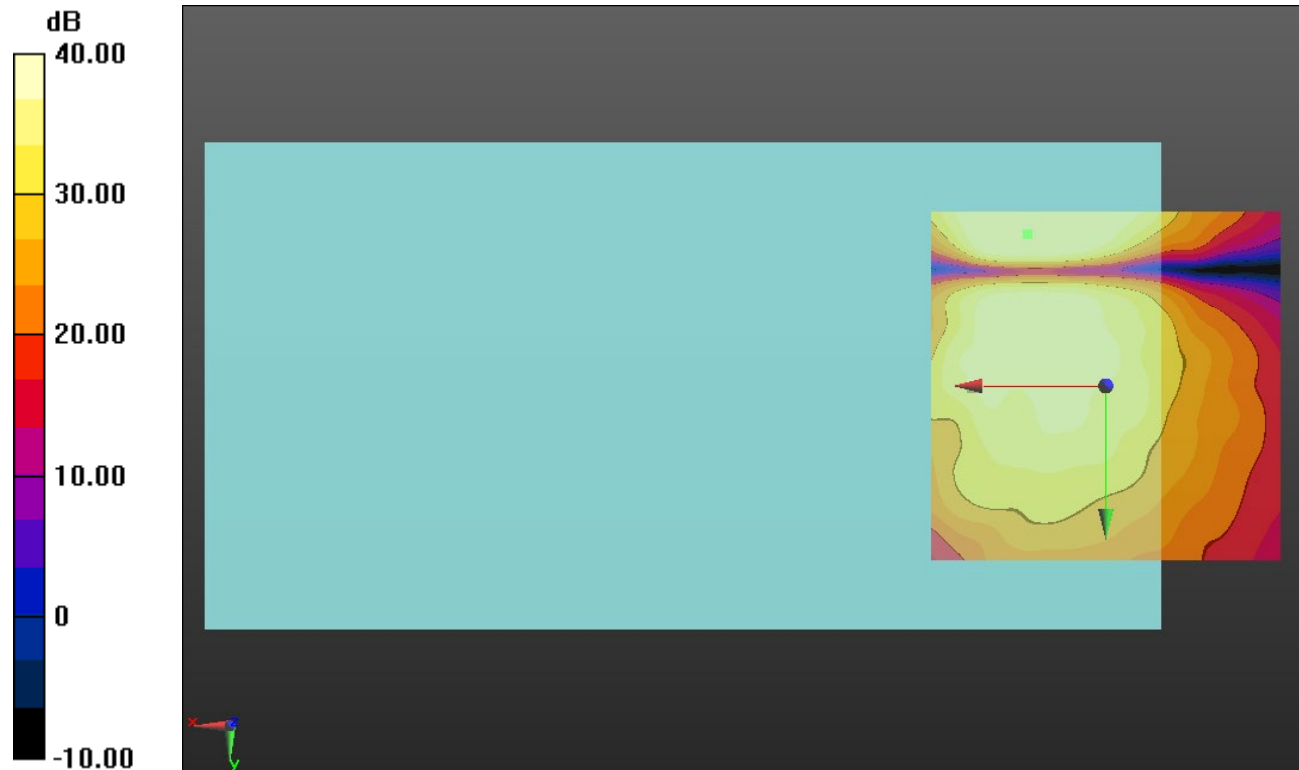
### Cursor:

ABM1/ABM2 = 43.72 dB

ABM1 comp = 4.10 dBA/m

BWC Factor = 0.16 dB

Location: 11.3, -21.7, 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\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 133297\_Port A/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: 47.1

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

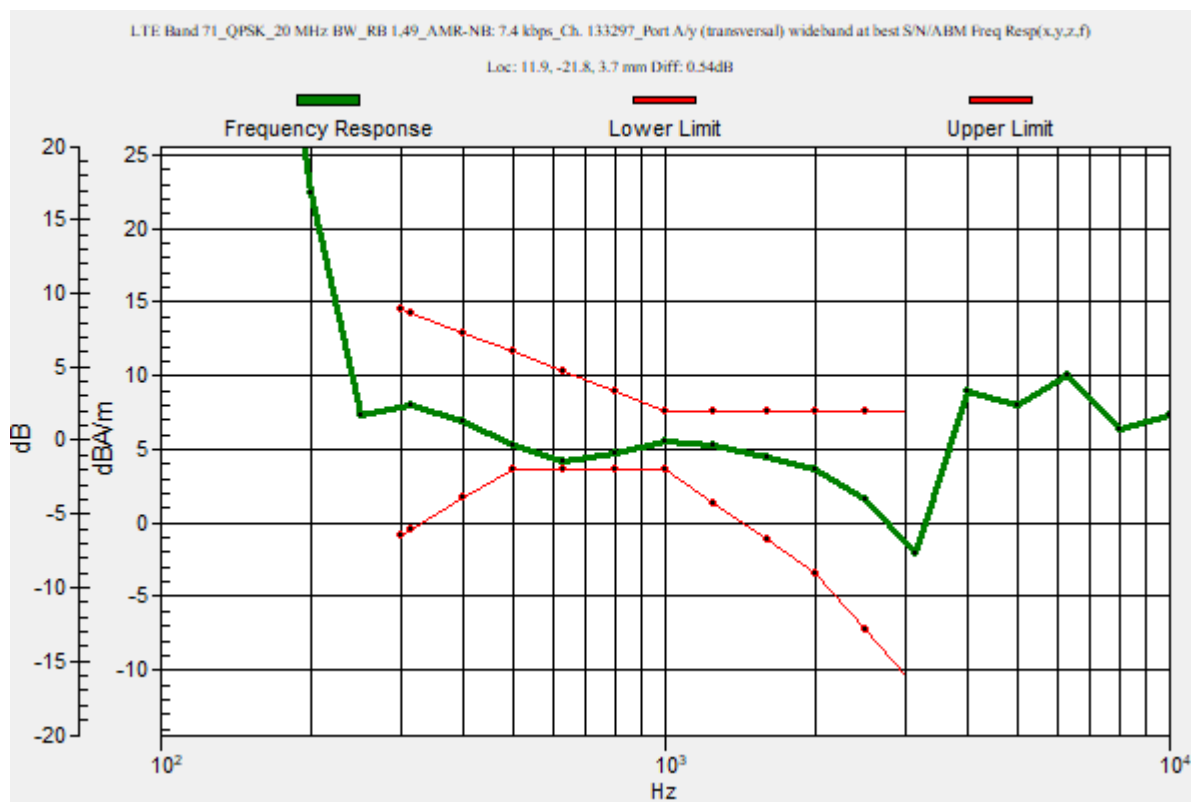
| Category    | Telephone parameters WD signal quality<br>[(signal+noise)-to-noise ratio in decibels] |
|-------------|---------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                               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

**Cursor:**

Diff = 0.54 dB

BWC Factor = 10.80 dB

Location: 11.9, -21.8, 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\_20 MHz  
BW\_RB 1,49\_AMR-NB: 7.4 kbps\_Ch. 133297\_Port A/y (transversal) 4.2mm 50 x 50/ABM  
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 24.02

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

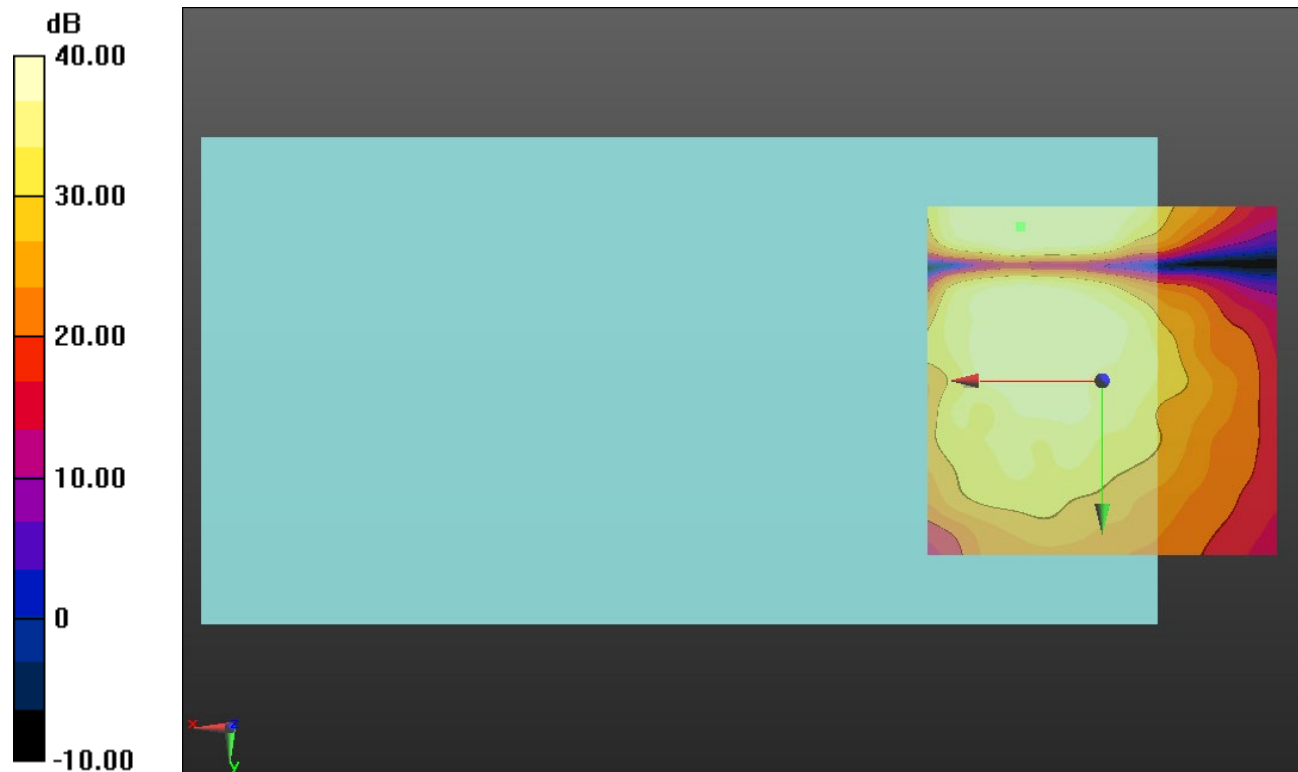
### Cursor:

ABM1/ABM2 = 42.78 dB

ABM1 comp = 4.37 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -22.1, 3.7 mm



0 dB = 1.000 = 0.00 dB

## Wi-Fi 2.4 GHz

Communication System: UID 0, 1@IEEE 802.11b/g/n/ac/ax/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\_QPSK 12 Mbps\_EVS: 5.9 kbps\_Ch. 6\_ANT 4/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: 29.72

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

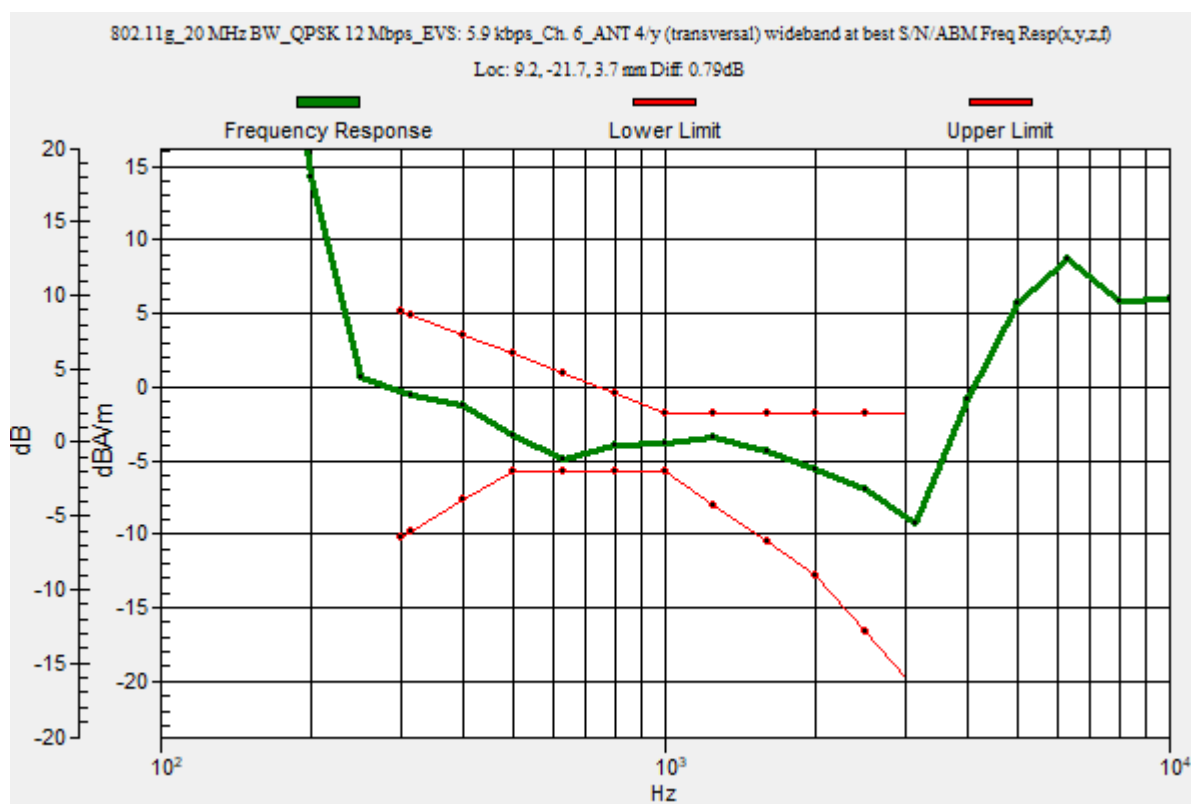
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

#### Cursor:

Diff = 0.79 dB

BWC Factor = 10.80 dB

Location: 9.2, -21.7, 3.7 mm



## Wi-Fi 2.4 GHz

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\_QPSK 12 Mbps\_EVS: 5.9 kbps\_Ch. 6\_ANT 4/y (transversal) Single Point 2/ABM SNR(x,y,z)

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

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

Output Gain: 15.15

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

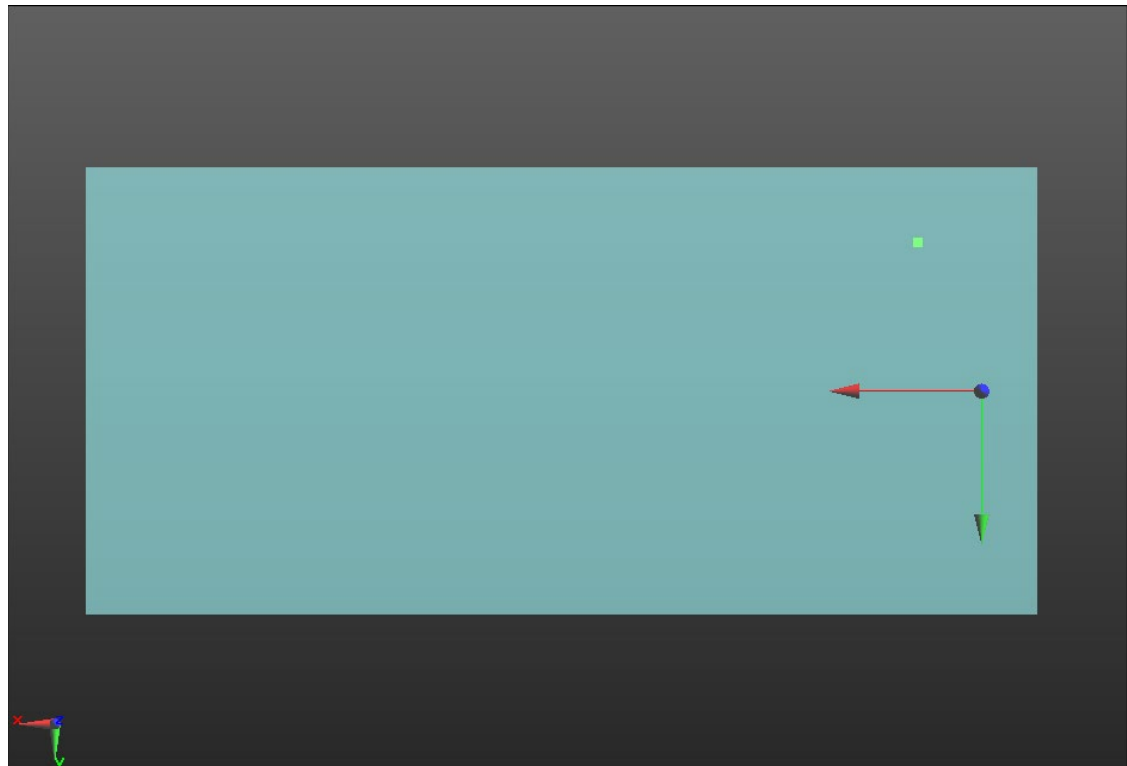
#### Cursor:

ABM1/ABM2 = 33.07 dB

ABM1 comp = -6.22 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, -21.7, 3.7 mm



0 dB = 1.000 = 0.00 dB

## Wi-Fi 5 GHz

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 36\_ANT 5/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: 29.72

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

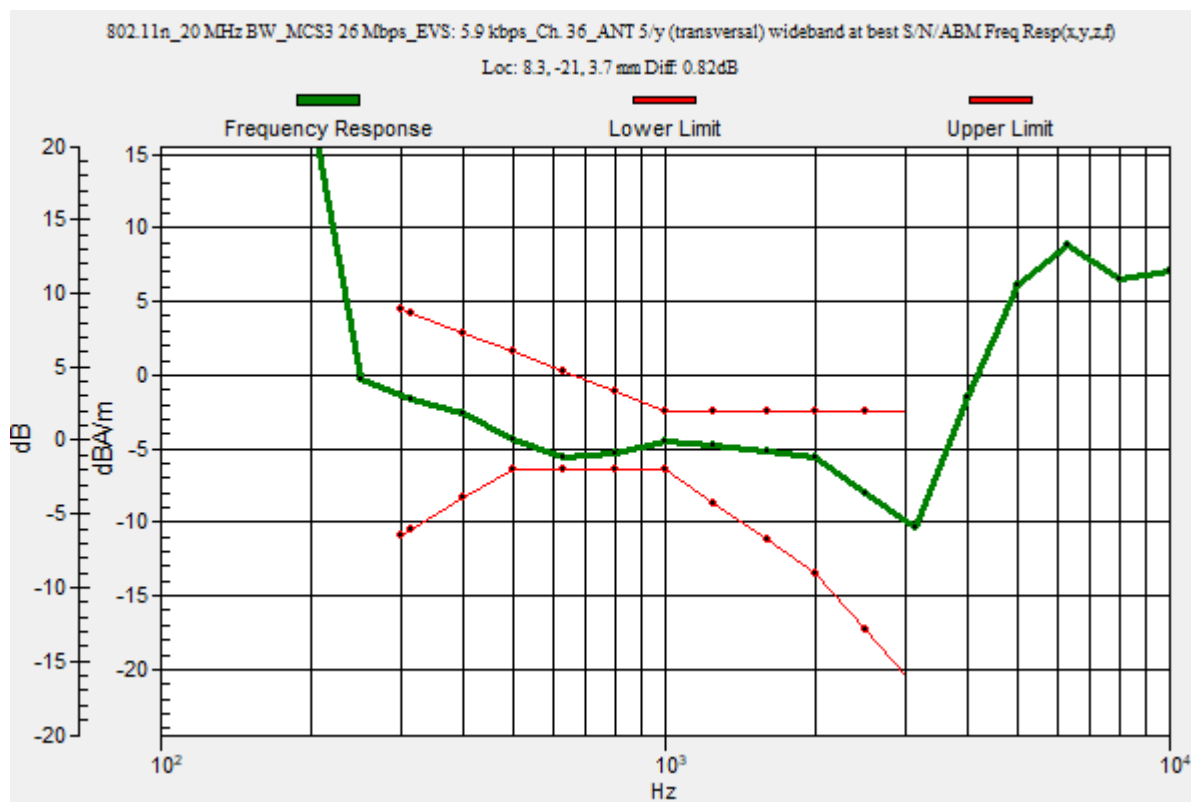
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                      |
| 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: 8.3, -21, 3.7 mm



## Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5180 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)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 36\_ANT 5/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: 15.15

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

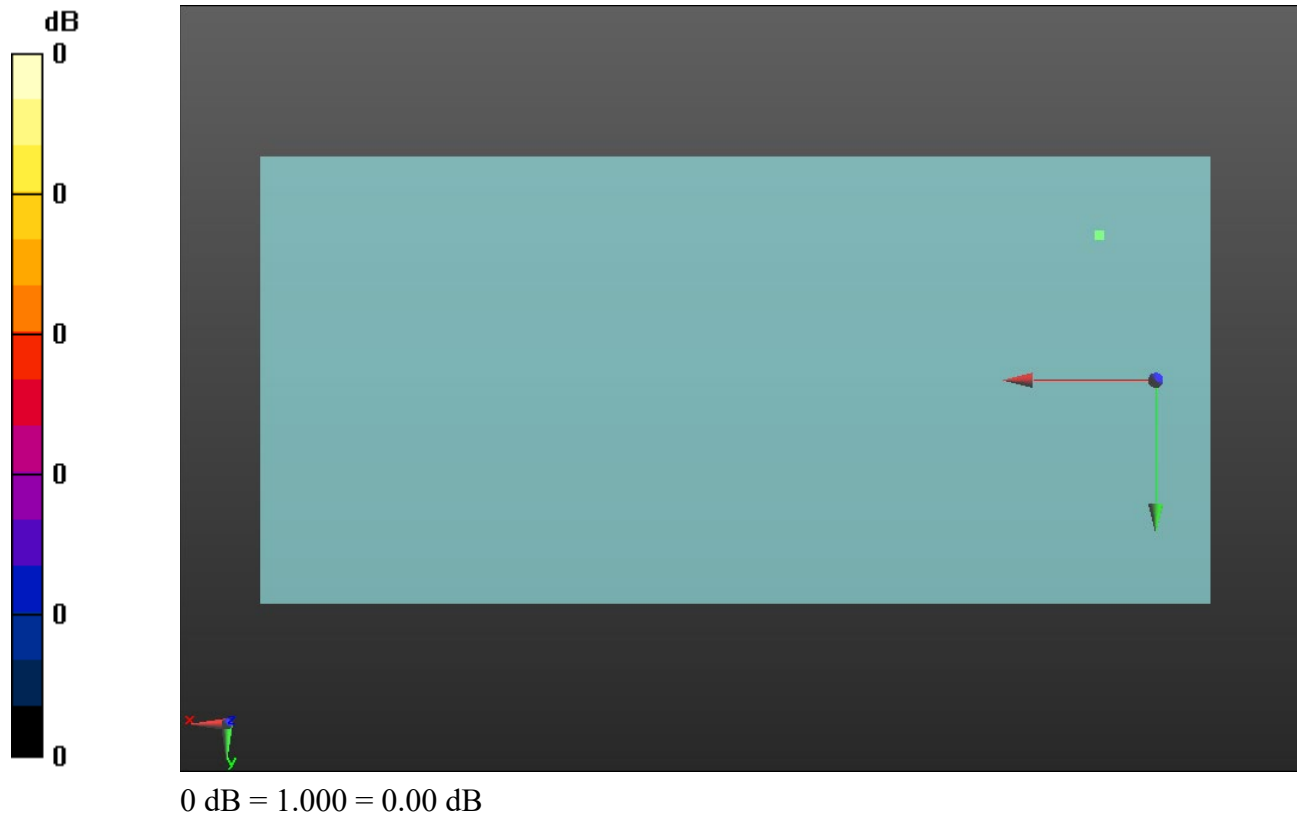
#### Cursor:

ABM1/ABM2 = 33.21 dB

ABM1 comp = -7.76 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -21, 3.7 mm



## Wi-Fi 5 GHz

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

### T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 52\_ANT 5/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: 29.72

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

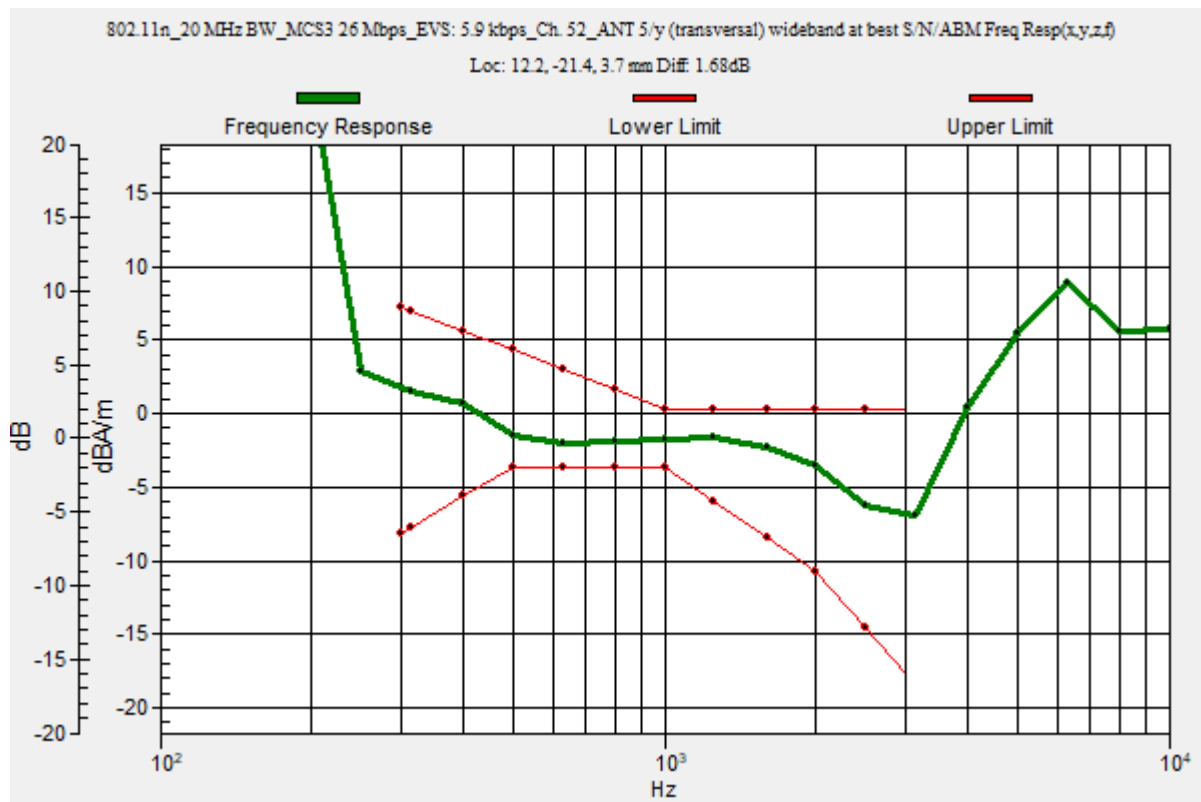
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

#### Cursor:

Diff = 1.68 dB

BWC Factor = 10.80 dB

Location: 12.2, -21.4, 3.7 mm



## Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5260 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)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 52\_ANT 5/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Output Gain: 15.15

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

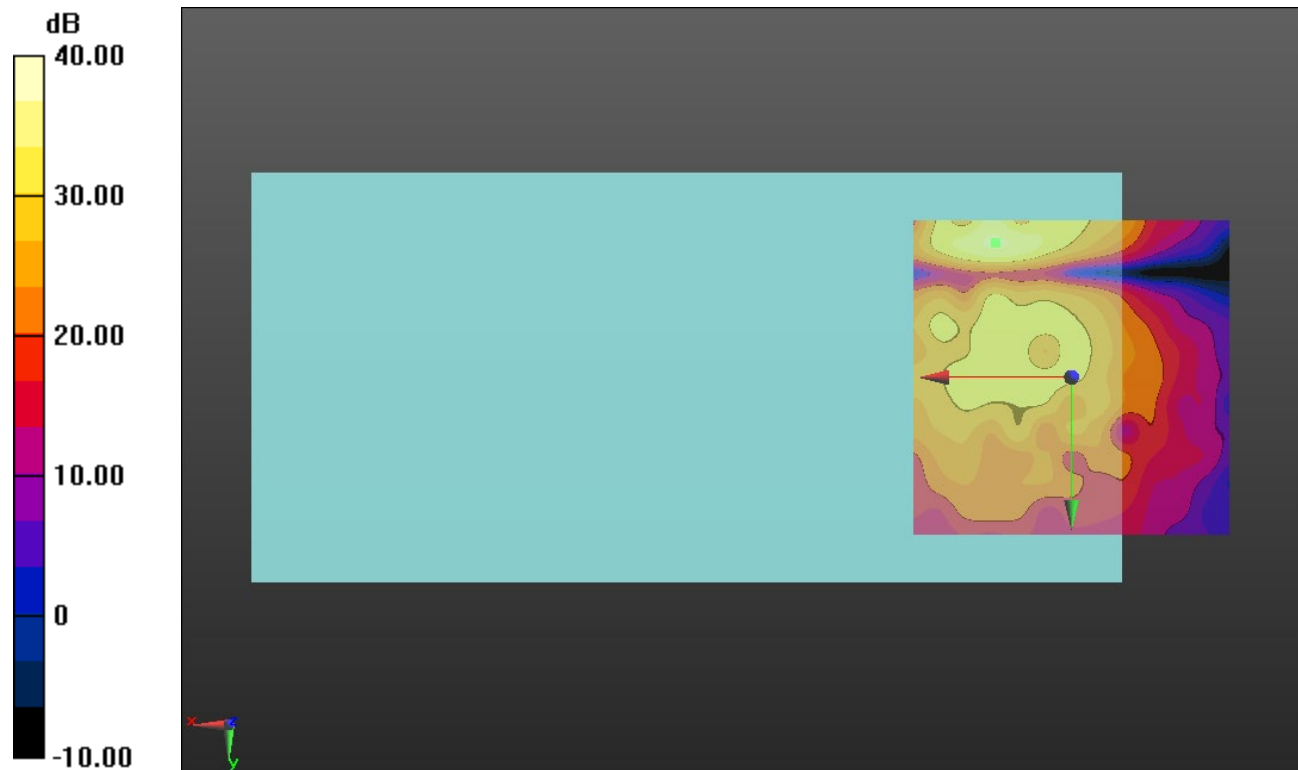
### Cursor:

ABM1/ABM2 = 37.29 dB

ABM1 comp = -2.61 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -21.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

## Wi-Fi 5 GHz

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 100\_ANT 5/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: 29.72

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

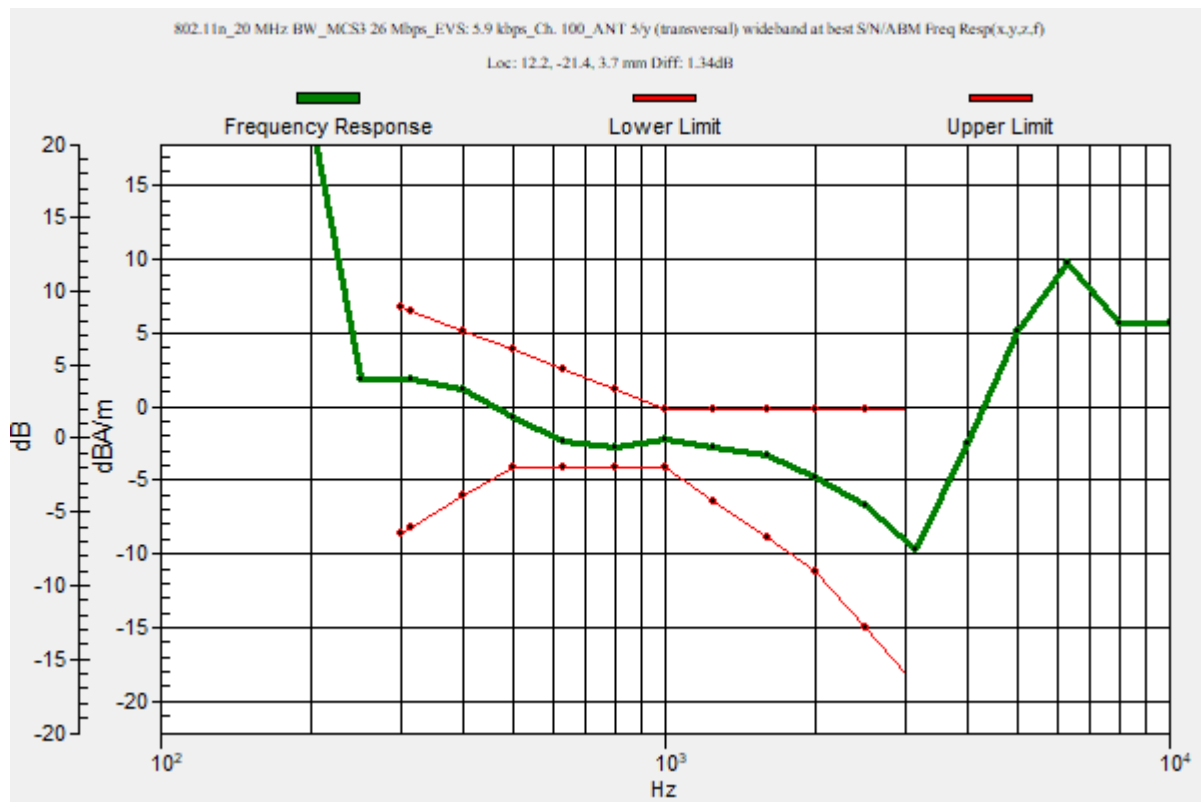
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

**Cursor:**

Diff = 1.34 dB

BWC Factor = 10.80 dB

Location: 12.2, -21.4, 3.7 mm



## Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5500 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)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 100\_ANT 5/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: 15.15

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

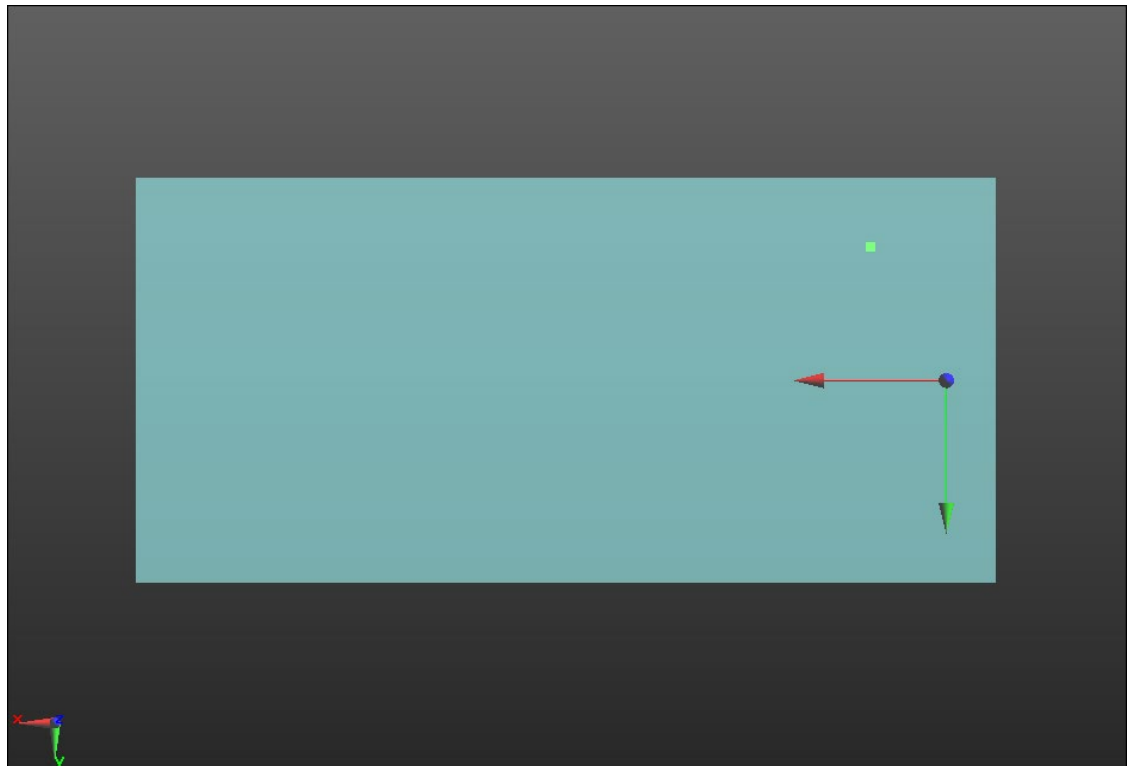
#### Cursor:

ABM1/ABM2 = 34.37 dB

ABM1 comp = -4.74 dBA/m

BWC Factor = 0.16 dB

Location: 12.2, -21.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

## Wi-Fi 5 GHz

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 149\_ANT 5/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: 29.72

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

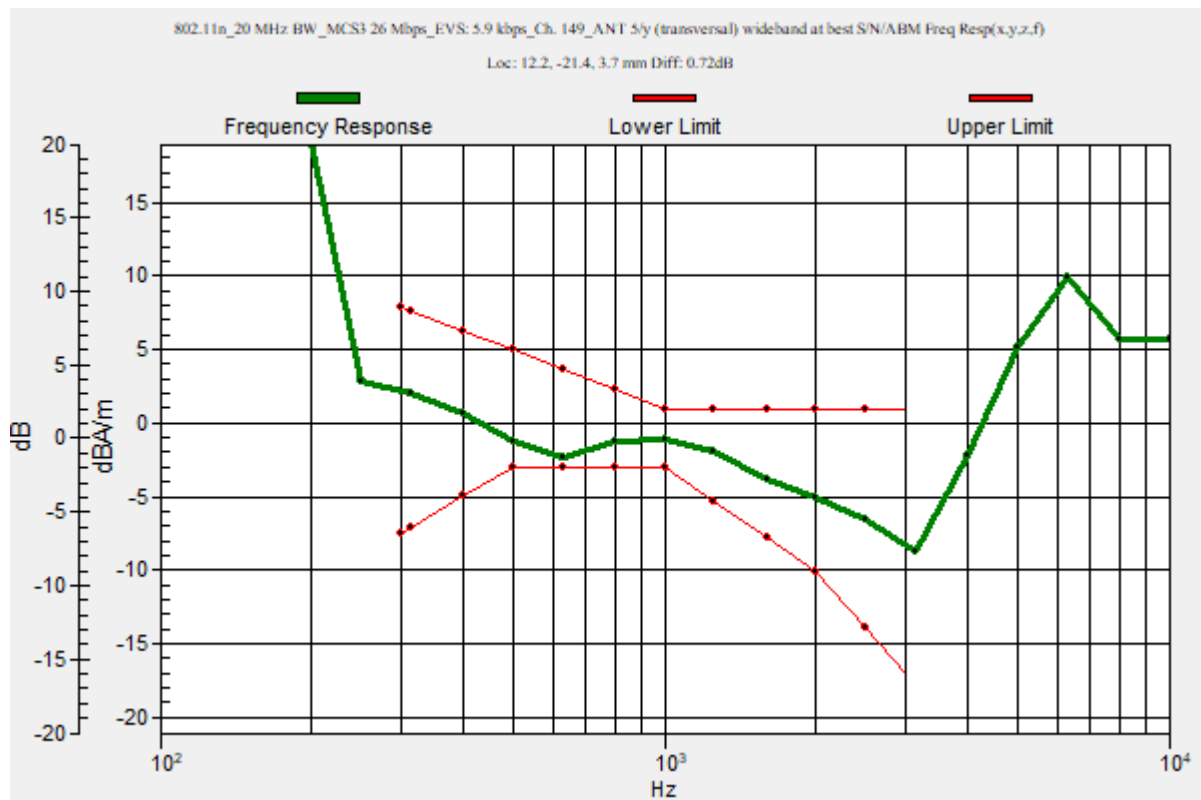
| Category    | Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels] |
|-------------|------------------------------------------------------------------------------------|
| Category T1 | 0 dB to 10 dB                                                                     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

**Cursor:**

Diff = 0.72 dB

BWC Factor = 10.80 dB

Location: 12.2, -21.4, 3.7 mm



## Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac/ax 5 GHz Band (0); Frequency: 5745 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)/802.11n\_20 MHz BW\_MCS3 26 Mbps\_EVS: 5.9 kbps\_Ch. 149\_ANT 5/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: 15.15

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 34.68 dB

ABM1 comp = -4.41 dBA/m

BWC Factor = 0.16 dB

Location: 12.2, -21.4, 3.7 mm



0 dB = 1.000 = 0.00 dB