# GSM

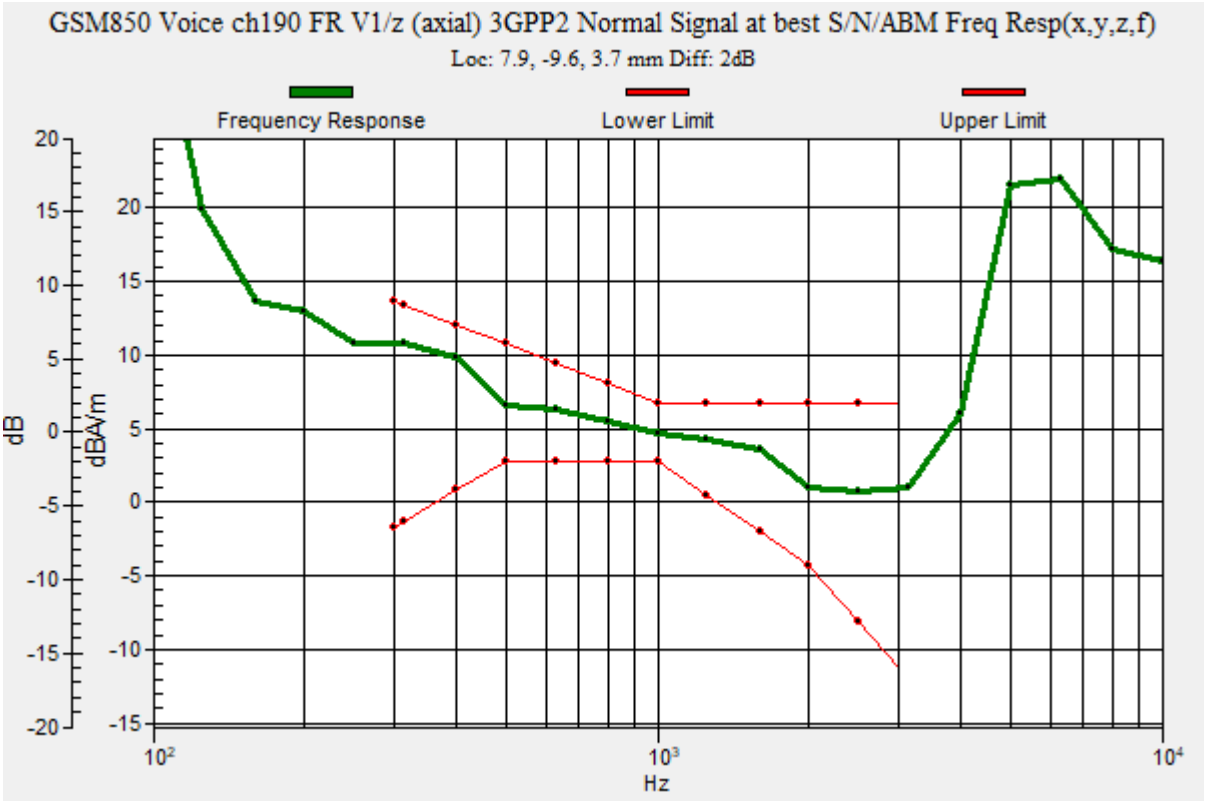
Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 Voice ch190 FR V1/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 7.9, -9.6, 3.7 mm



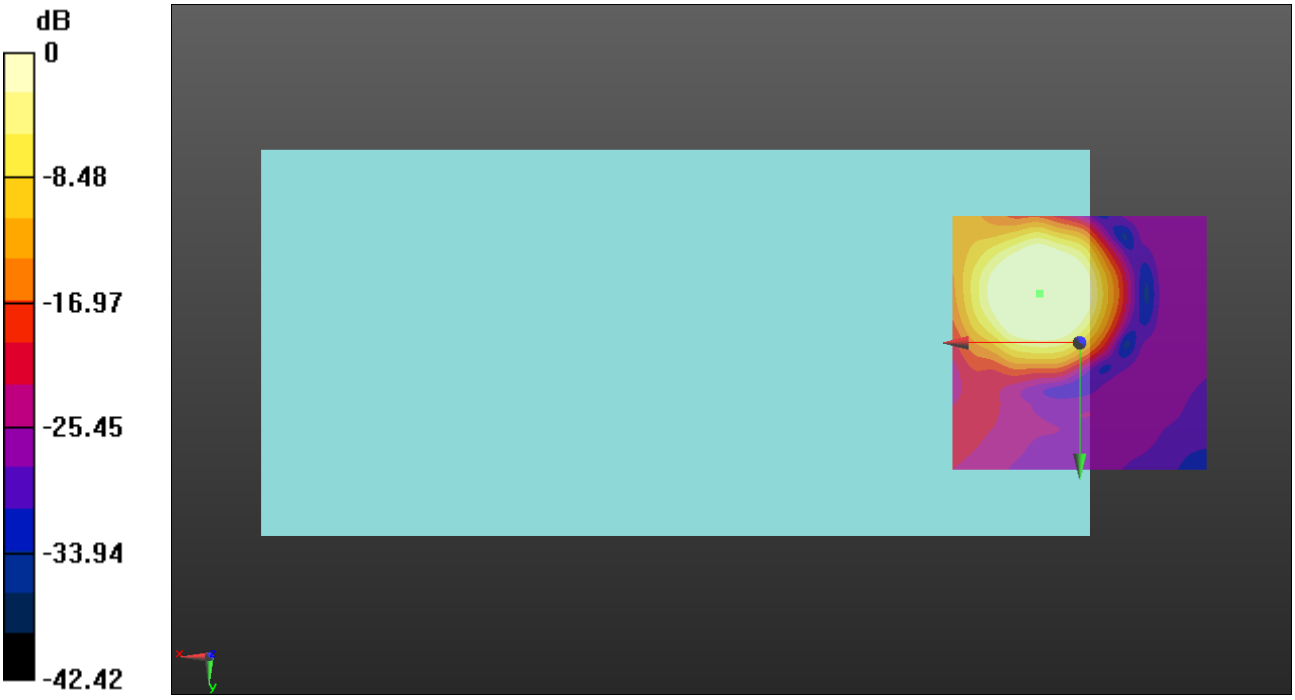
# GSM

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 Voice ch190 FR V1/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 23.58 dB
ABM1 = 8.02 dBA/m
ABM2 = -15.56 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

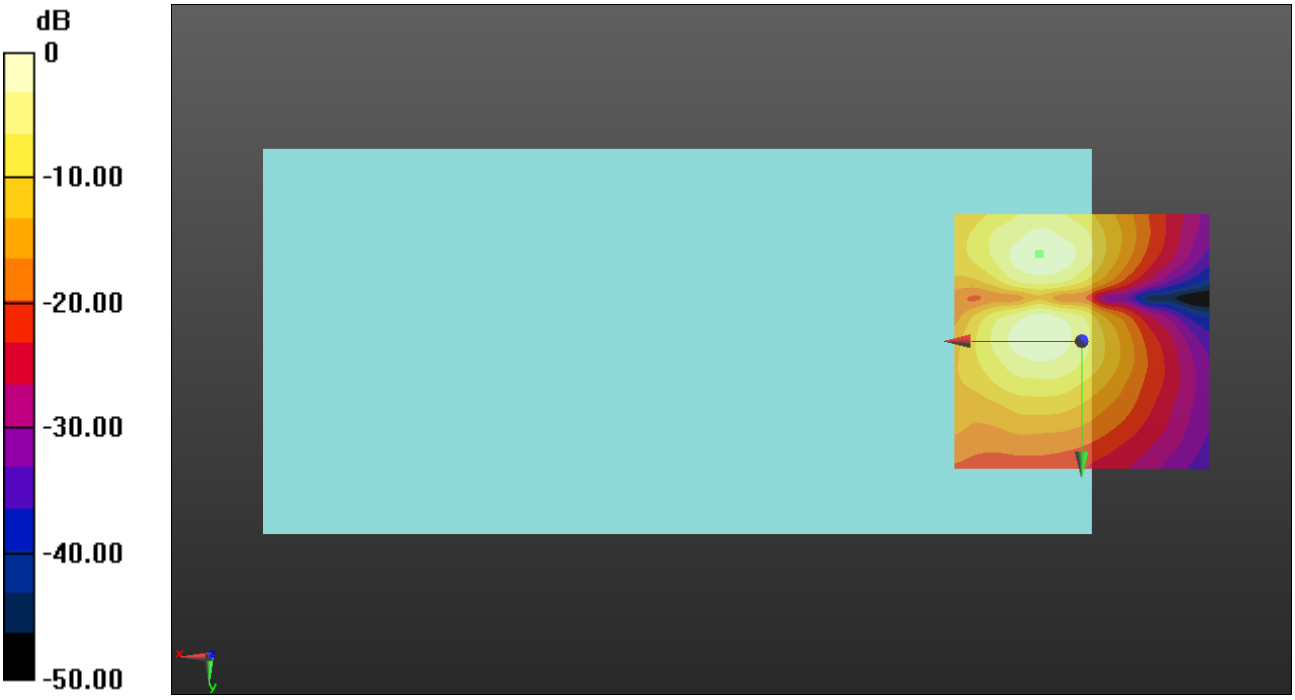
# GSM

Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 Voice ch190 FR V1/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 25.09 dB
ABM1 = -0.07 dBA/m
ABM2 = -25.16 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# GSM

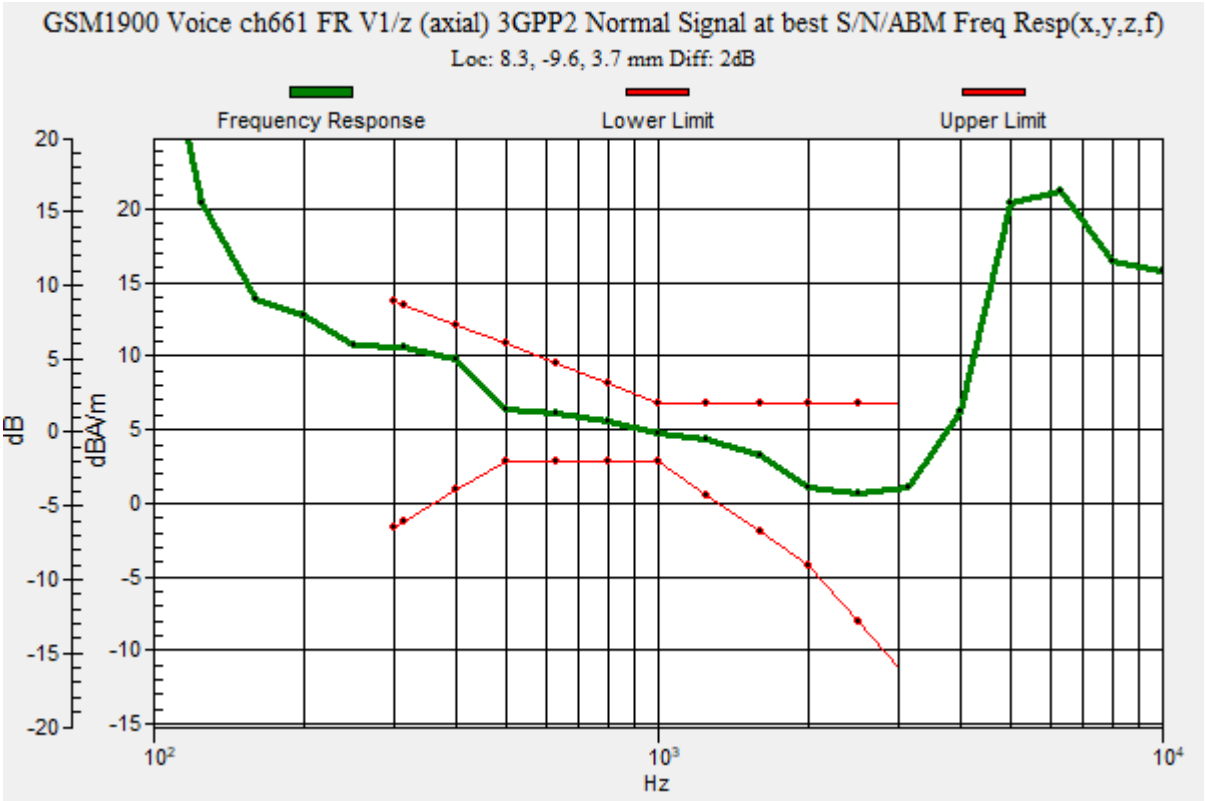
Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 Voice ch661 FR V1/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 8.3, -9.6, 3.7 mm



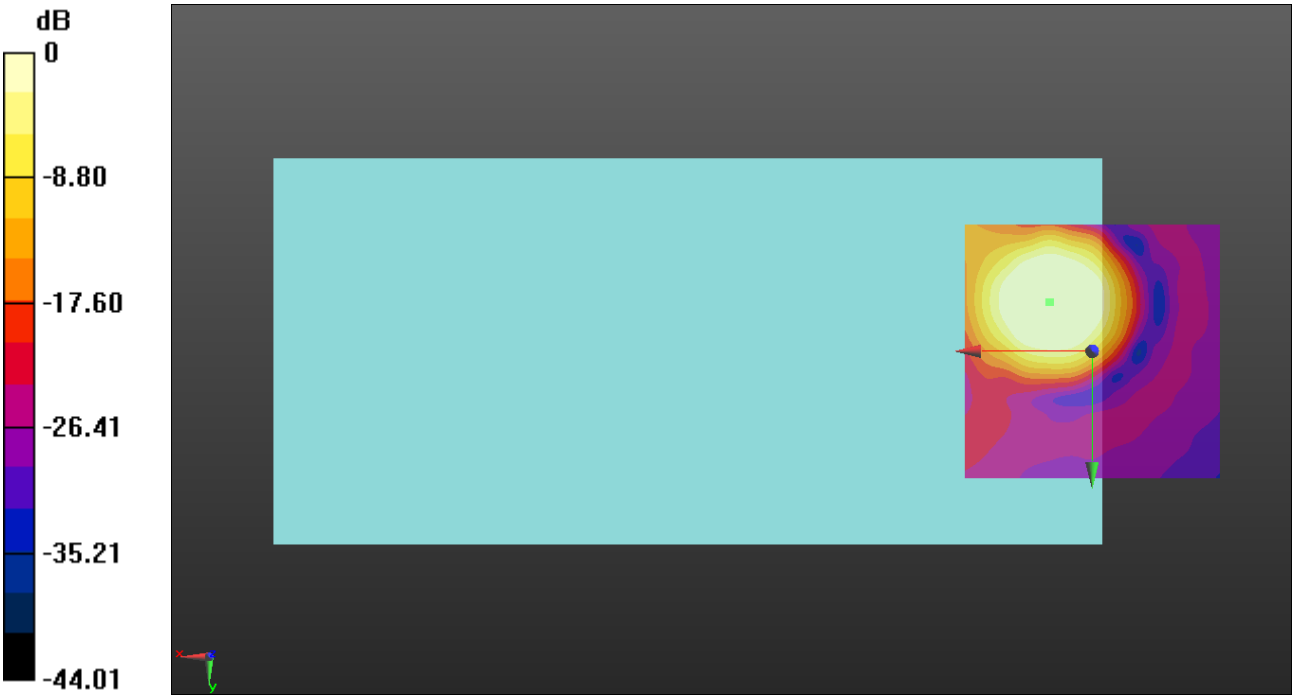
# GSM

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 Voice ch661 FR V1/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 25.13 dB
ABM1 = 8.41 dBA/m
ABM2 = -16.72 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

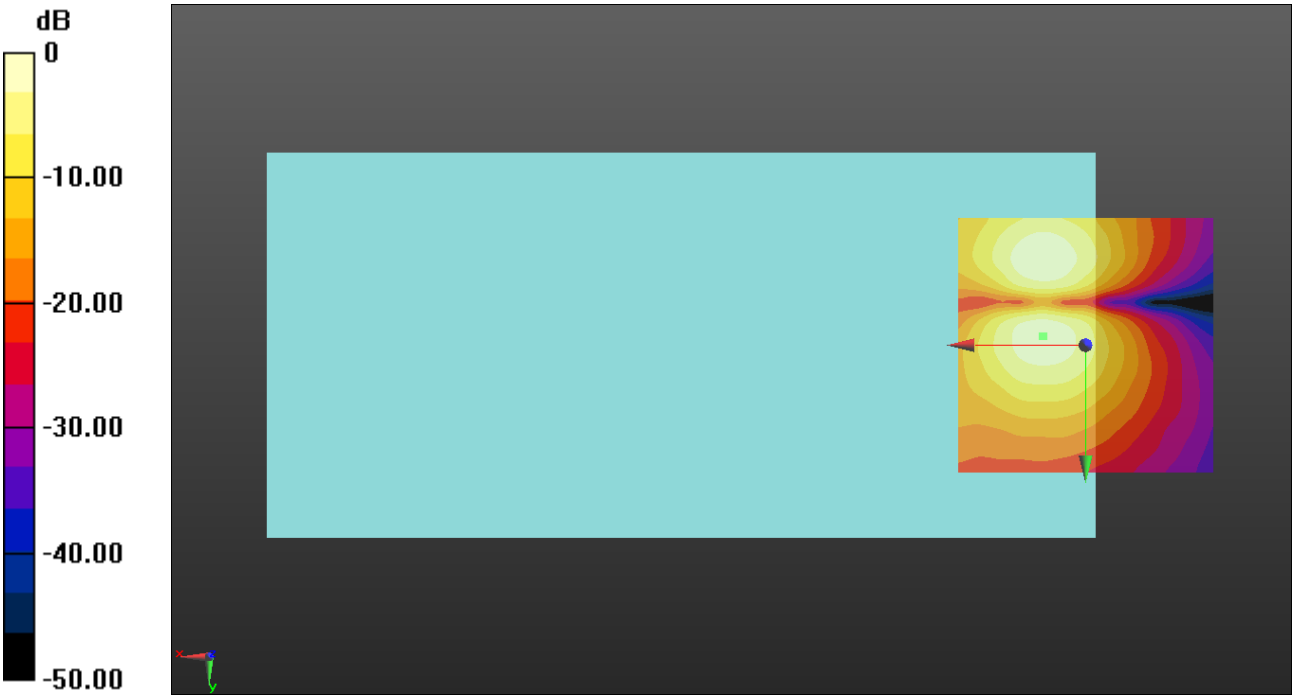
# GSM

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 Voice ch661 FR V1/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 24.43 dB
ABM1 = -0.84 dBA/m
ABM2 = -25.27 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -1.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# WCDMA

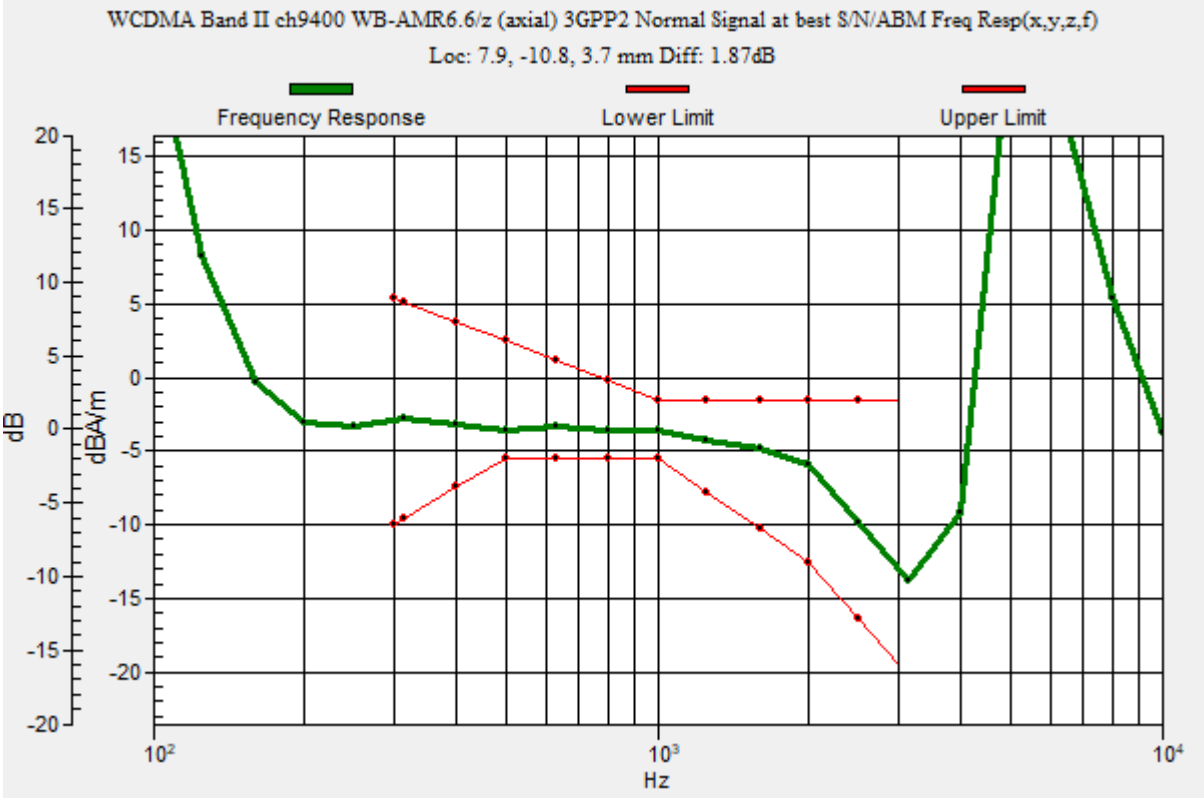
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band II ch9400 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.87 dB
BWC Factor = 10.80 dB
Location: 7.9, -10.8, 3.7 mm



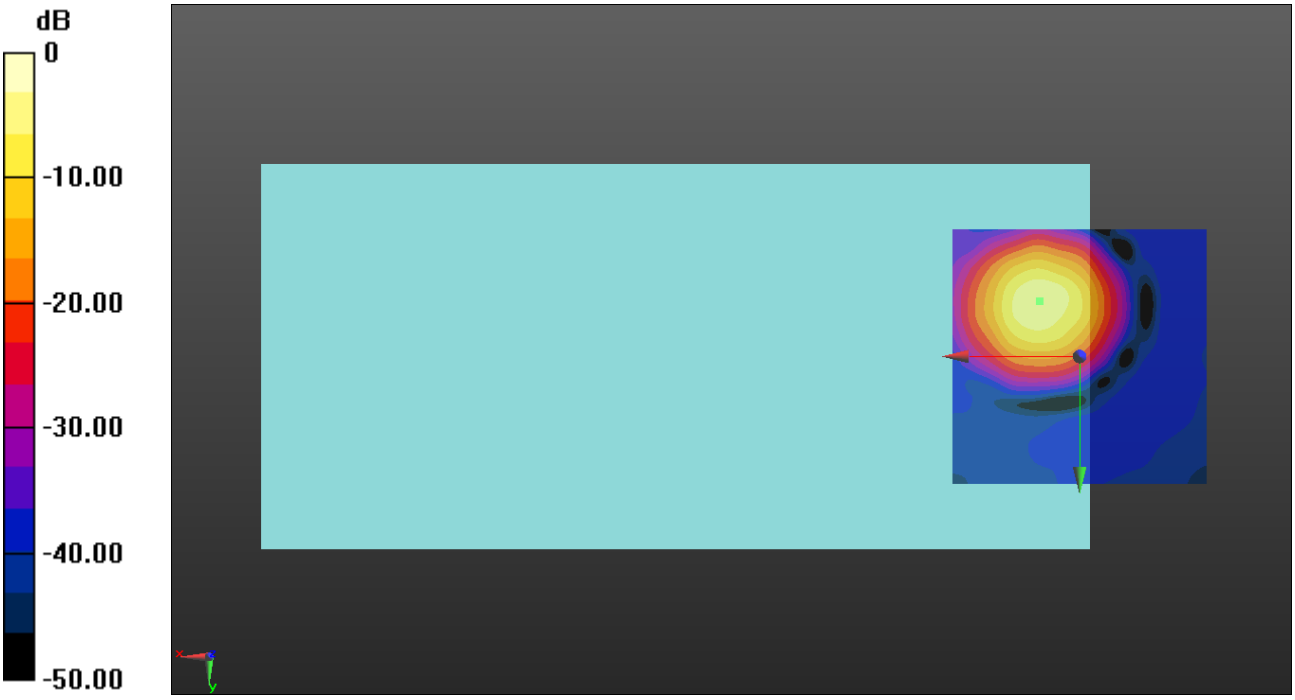
## WCDMA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band II ch9400 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.97 dB
ABM1 = -3.39 dBA/m
ABM2 = -47.36 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -10.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

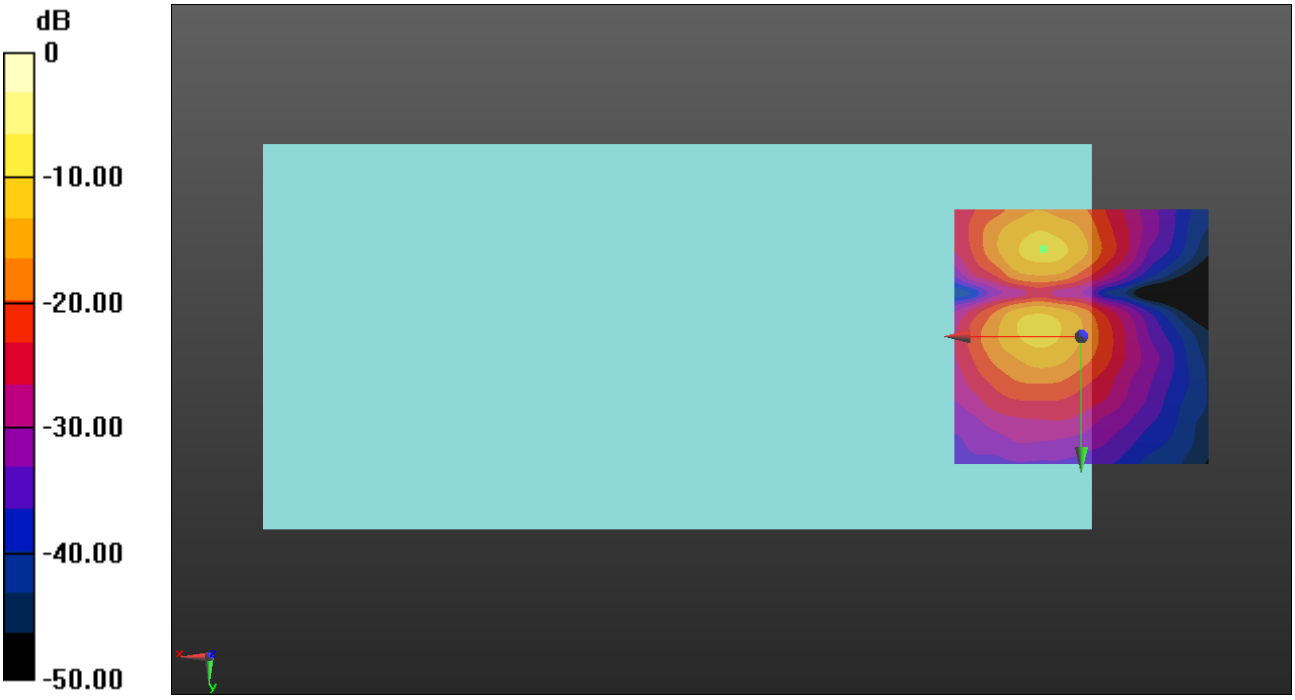
# WCDMA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band II ch9400 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 37.43 dB
ABM1 = -11.76 dBA/m
ABM2 = -49.19 dBA/m
BWC Factor = 0.16 dB
Location: 7.5, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# WCDMA

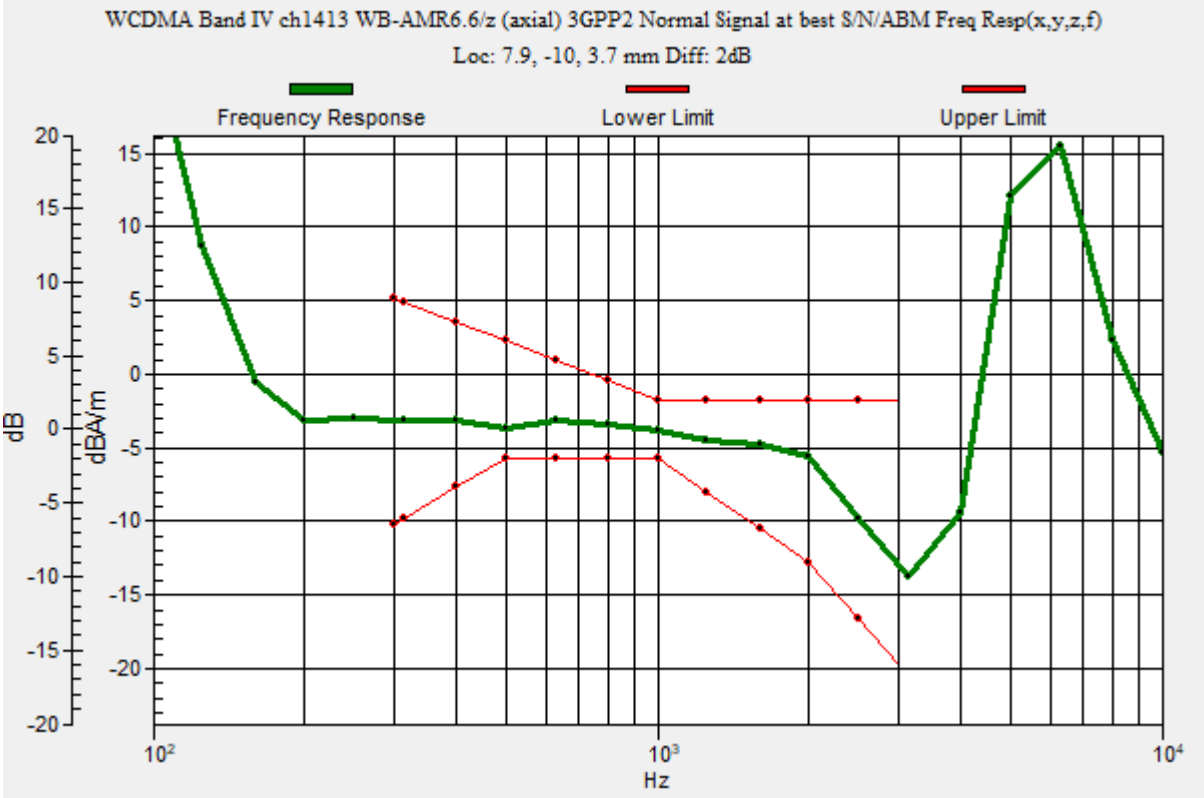
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band IV ch1413 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 7.9, -10, 3.7 mm



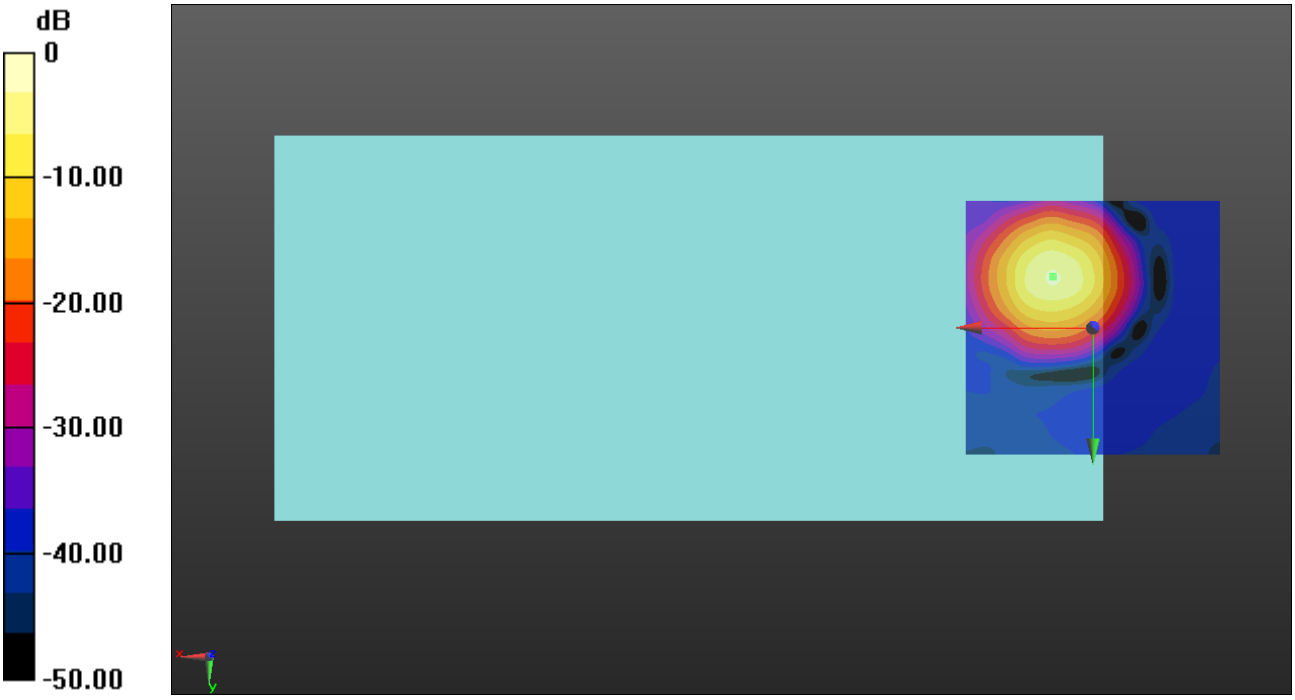
## WCDMA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band IV ch1413 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.65 dB
ABM1 = -3.03 dBA/m
ABM2 = -47.68 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

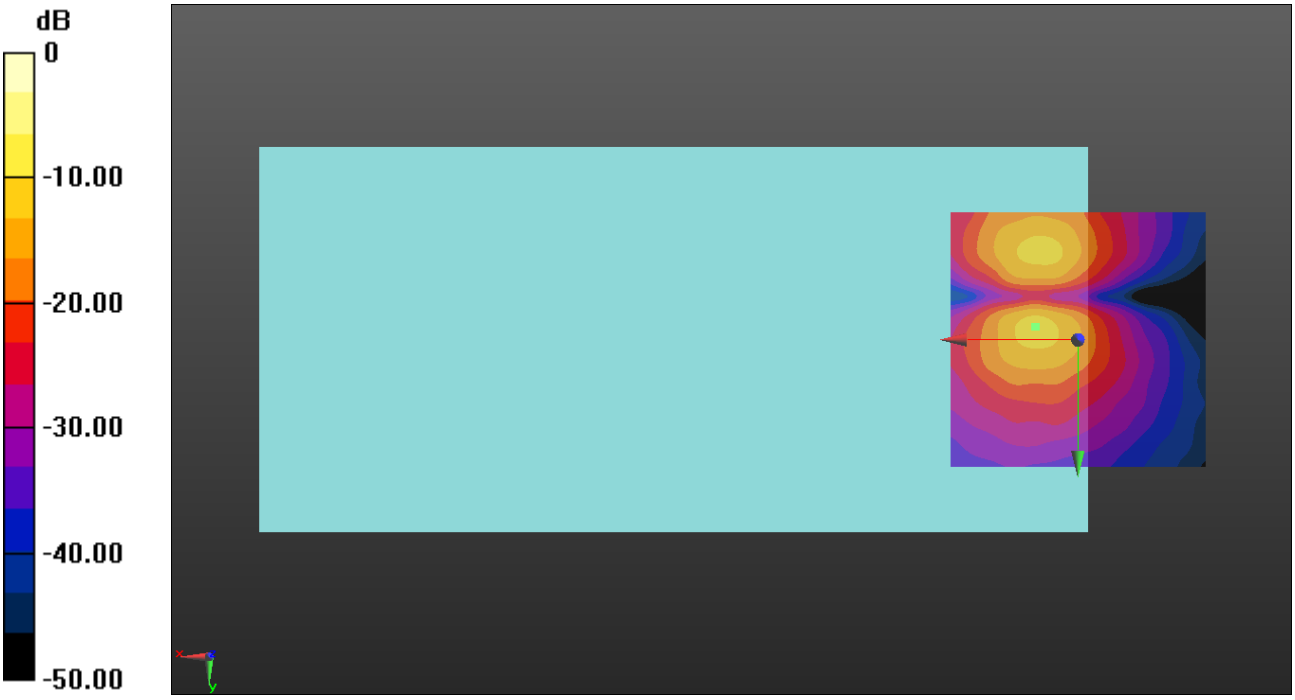
# WCDMA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band IV ch1413 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.04 dB
ABM1 = -11.96 dBA/m
ABM2 = -48.00 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# WCDMA

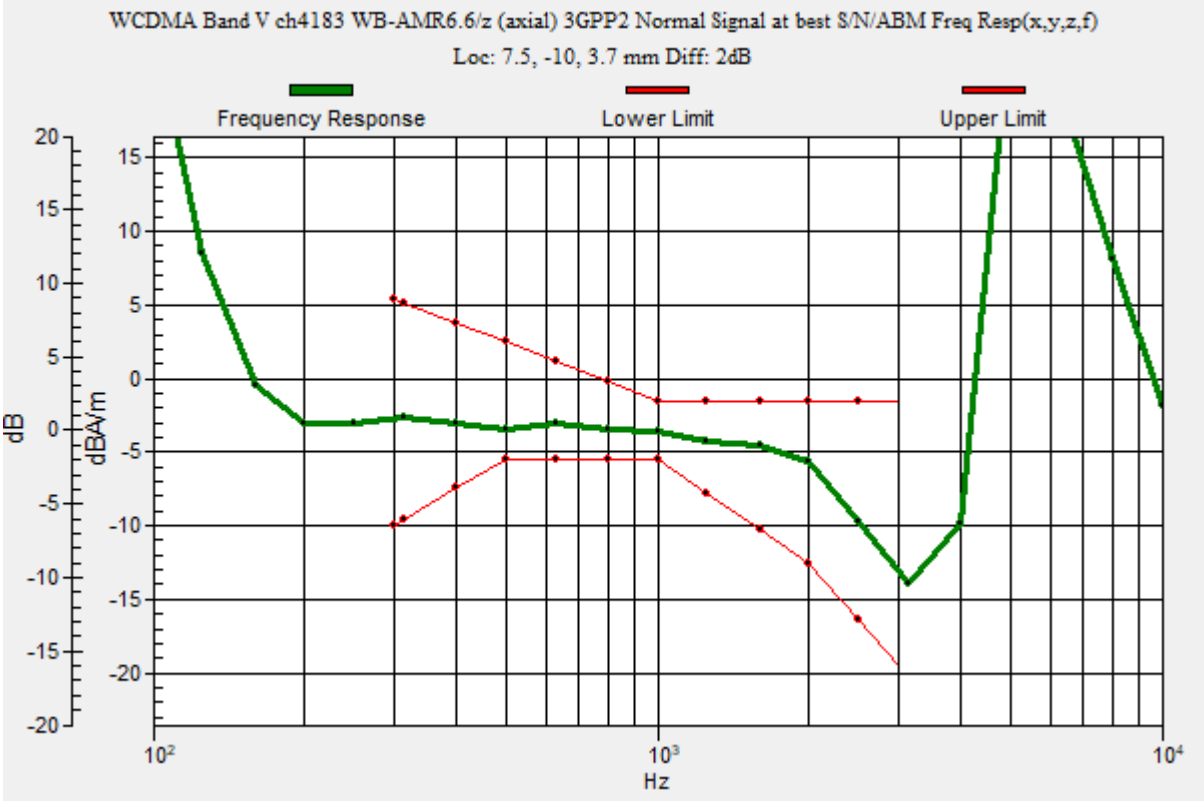
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band V ch4183 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 7.5, -10, 3.7 mm



## WCDMA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band V ch4183 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.89 dB
ABM1 = -3.22 dBA/m
ABM2 = -48.11 dBA/m
BWC Factor = 0.16 dB
Location: 7.5, -10, 3.7 mm


0 dB = 1.000 A/m = 0.00 dBA/m

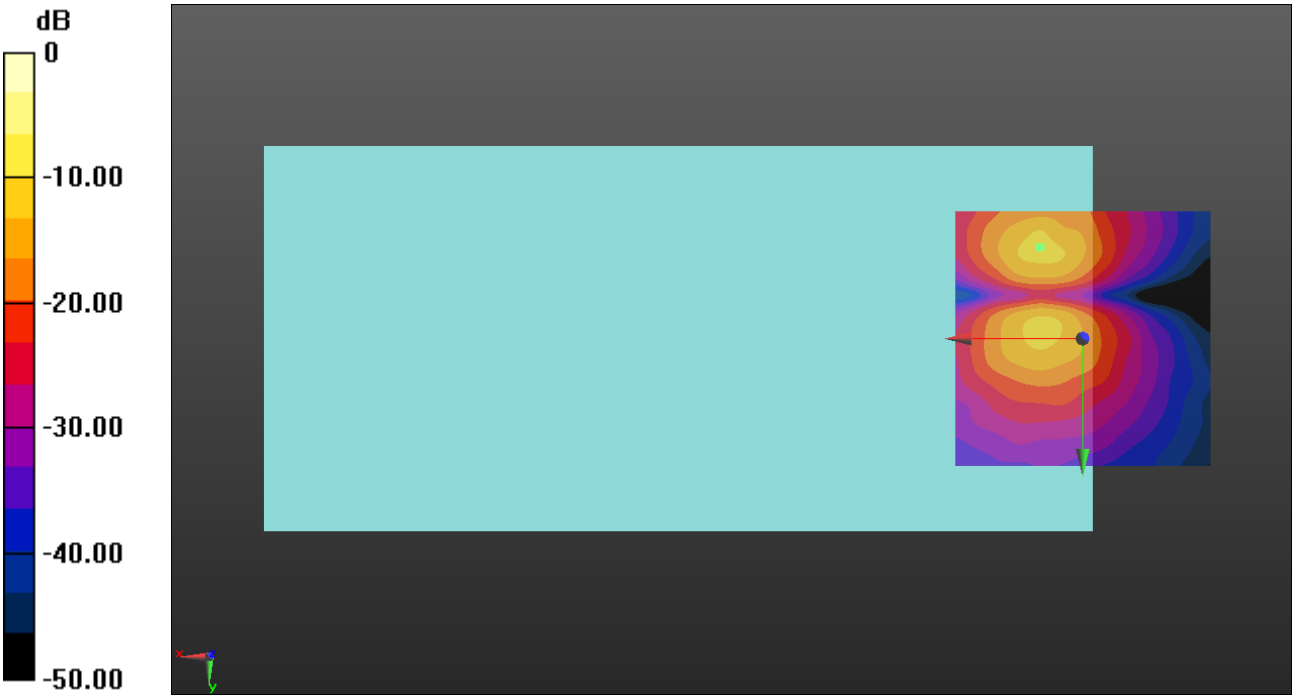
# WCDMA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band V ch4183 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 37.12 dB
ABM1 = -12.05 dBA/m
ABM2 = -49.17 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.9, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# CDMA

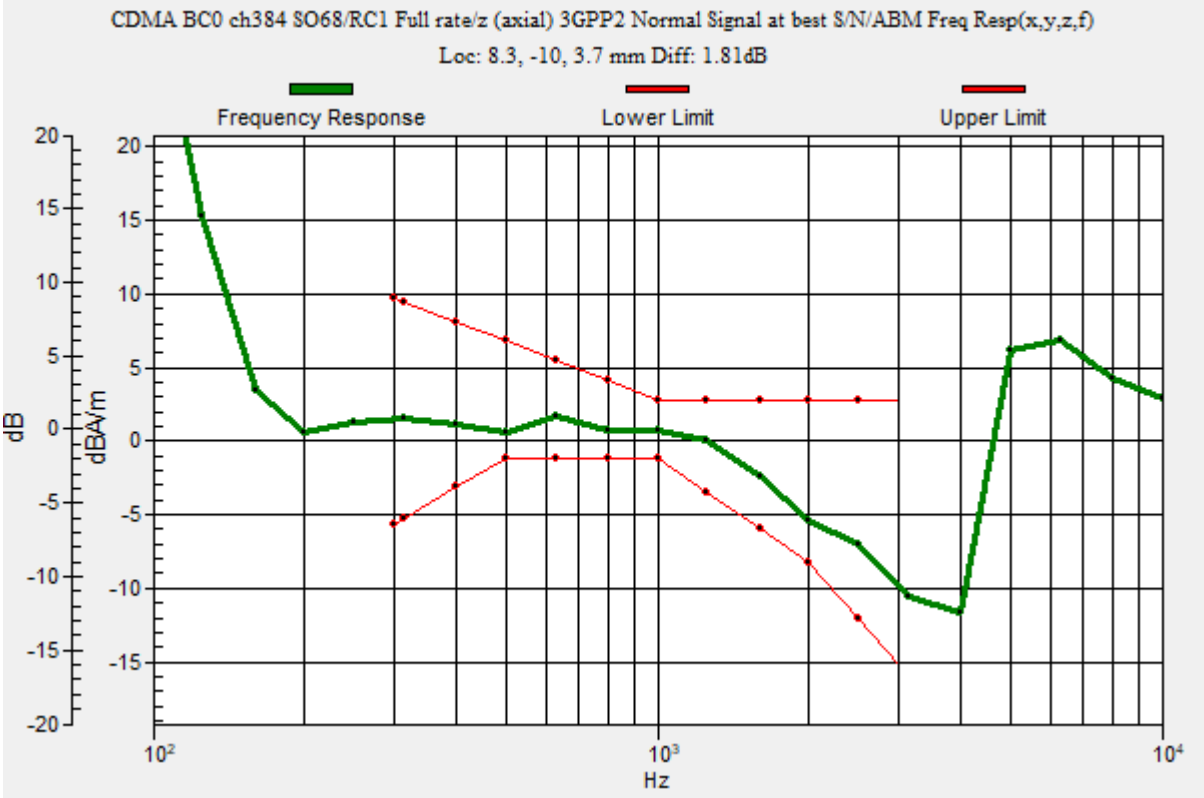
Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0 ch384 SO68/RC1 Full rate/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.81 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



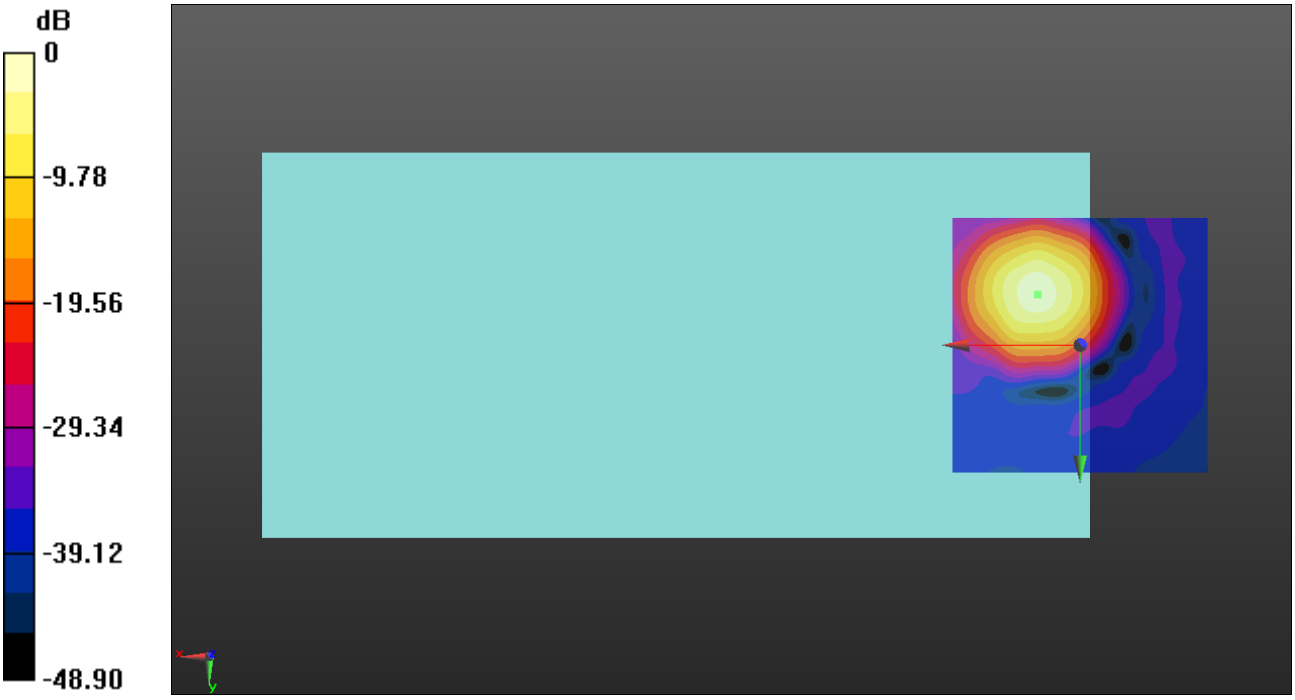
# CDMA

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0 ch384 SO68/RC1 Full rate/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 19.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 30.51 dB
ABM1 = -1.02 dBA/m
ABM2 = -31.53 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

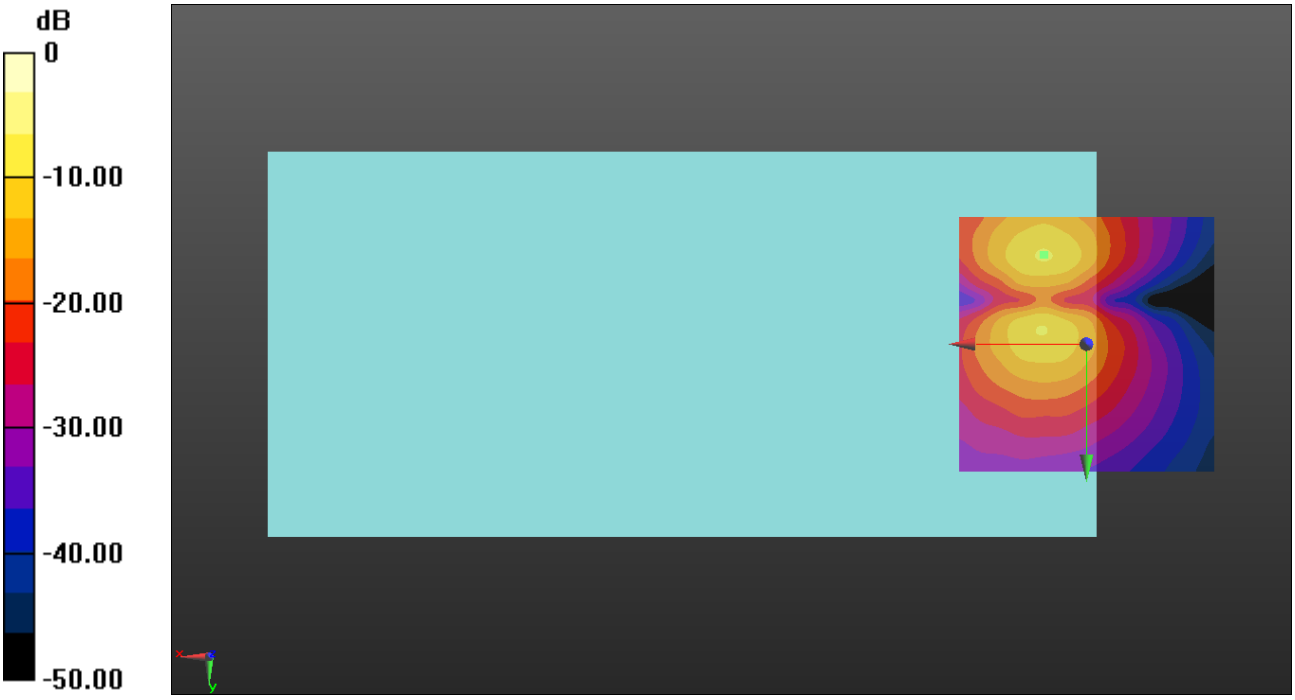
# CDMA

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0 ch384 SO68/RC1 Full rate/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 19.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 32.49 dB
ABM1 = -9.66 dBA/m
ABM2 = -42.15 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# CDMA

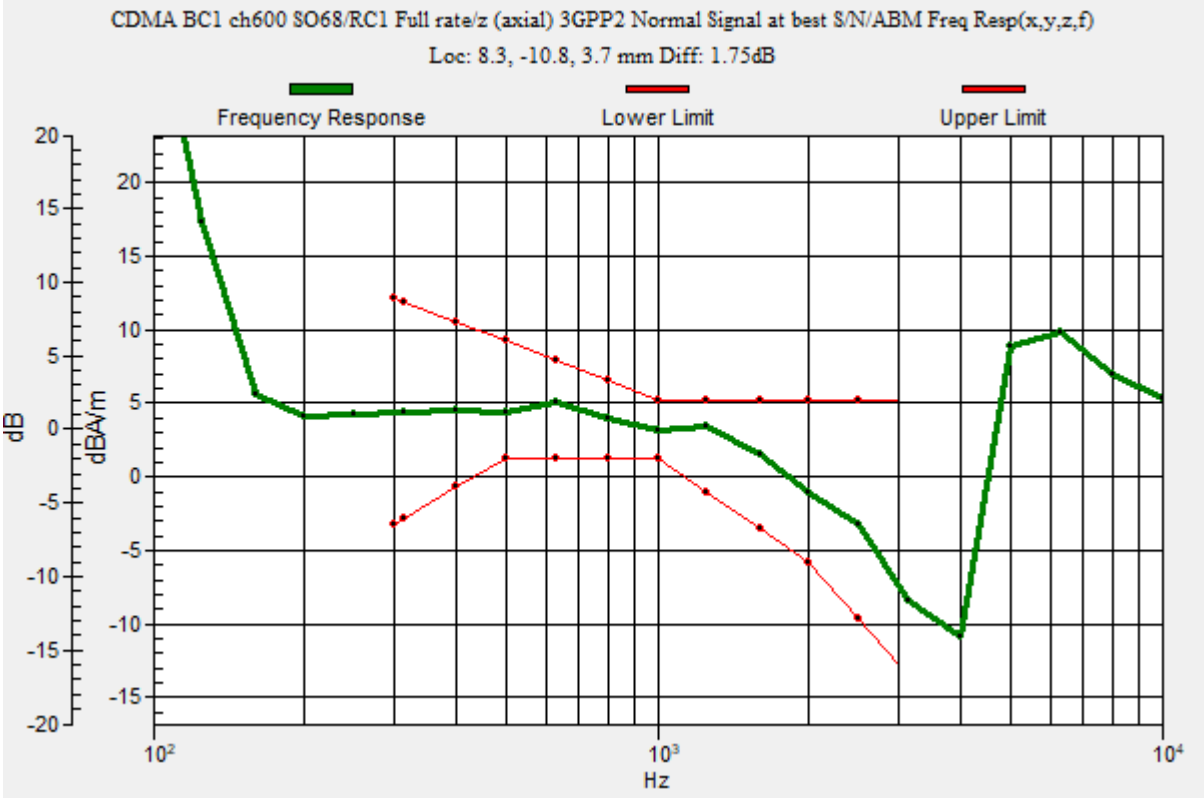
Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1 ch600 SO68/RC1 Full rate/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.75 dB
BWC Factor = 10.80 dB
Location: 8.3, -10.8, 3.7 mm



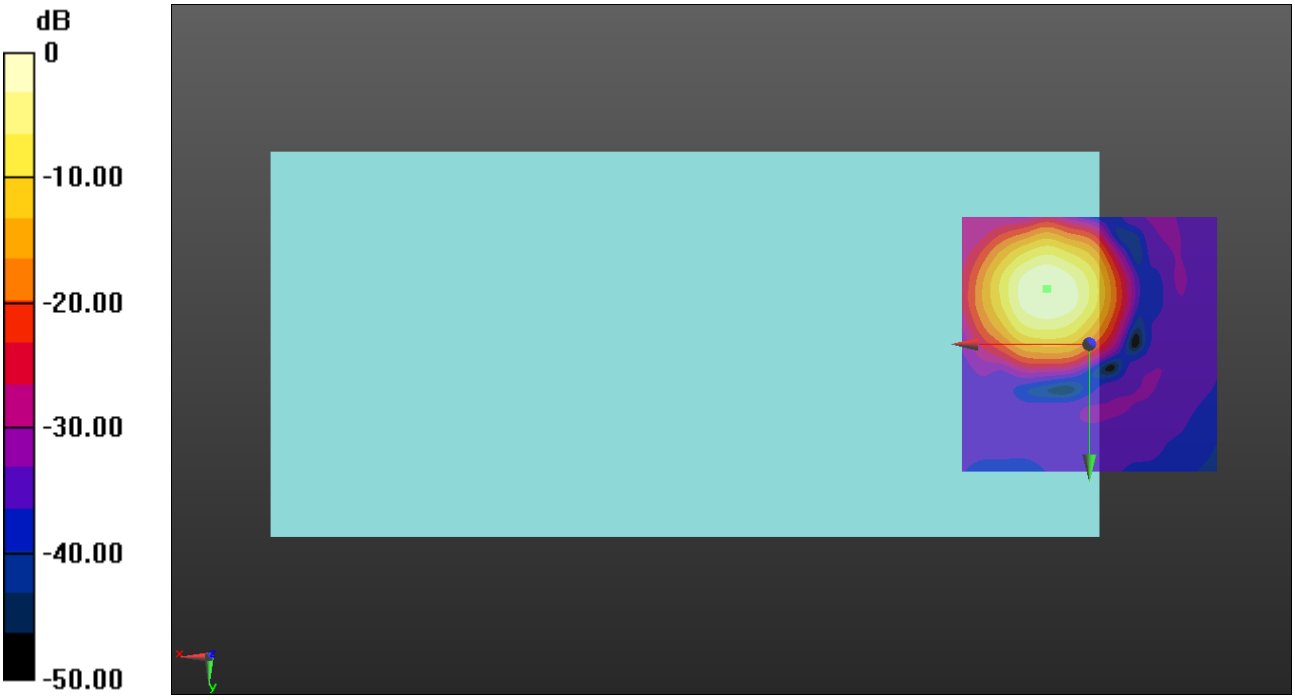
# CDMA

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1 ch600 SO68/RC1 Full rate/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 19.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 30.99 dB
ABM1 = 0.95 dBA/m
ABM2 = -30.04 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

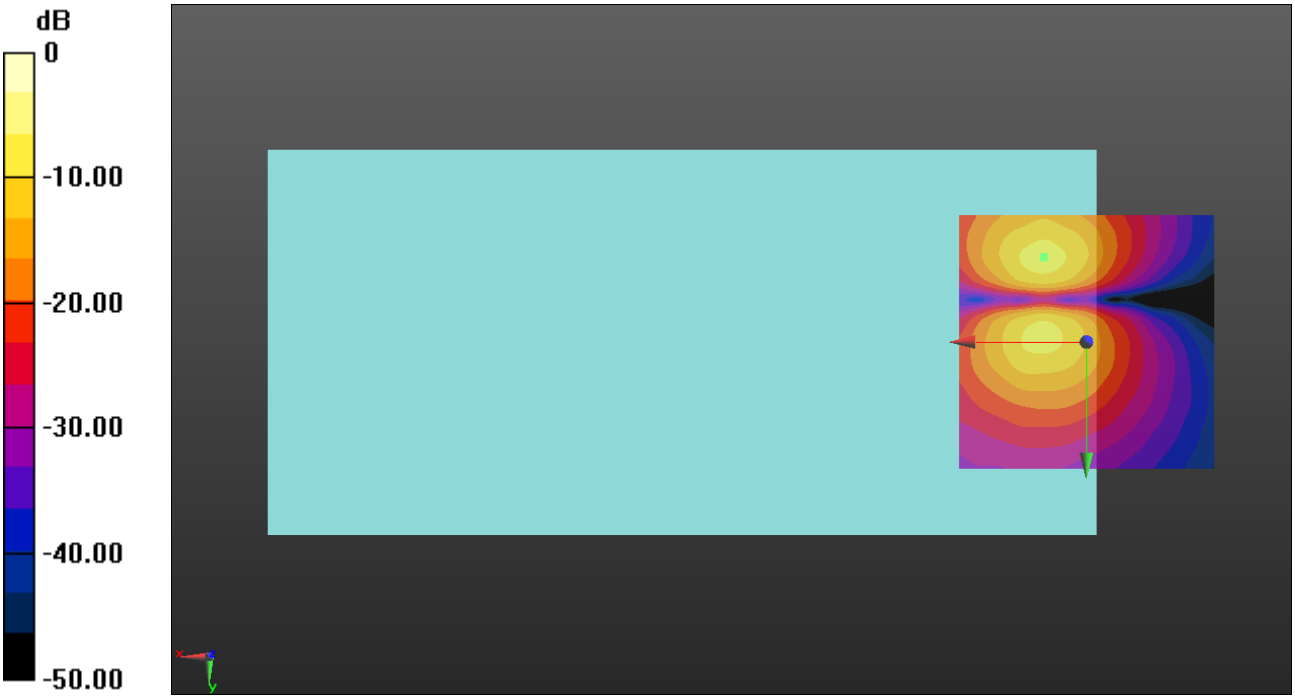
# CDMA

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1 ch600 SO68/RC1 Full rate/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 19.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 32.48 dB
ABM1 = -8.47 dBA/m
ABM2 = -40.95 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# CDMA

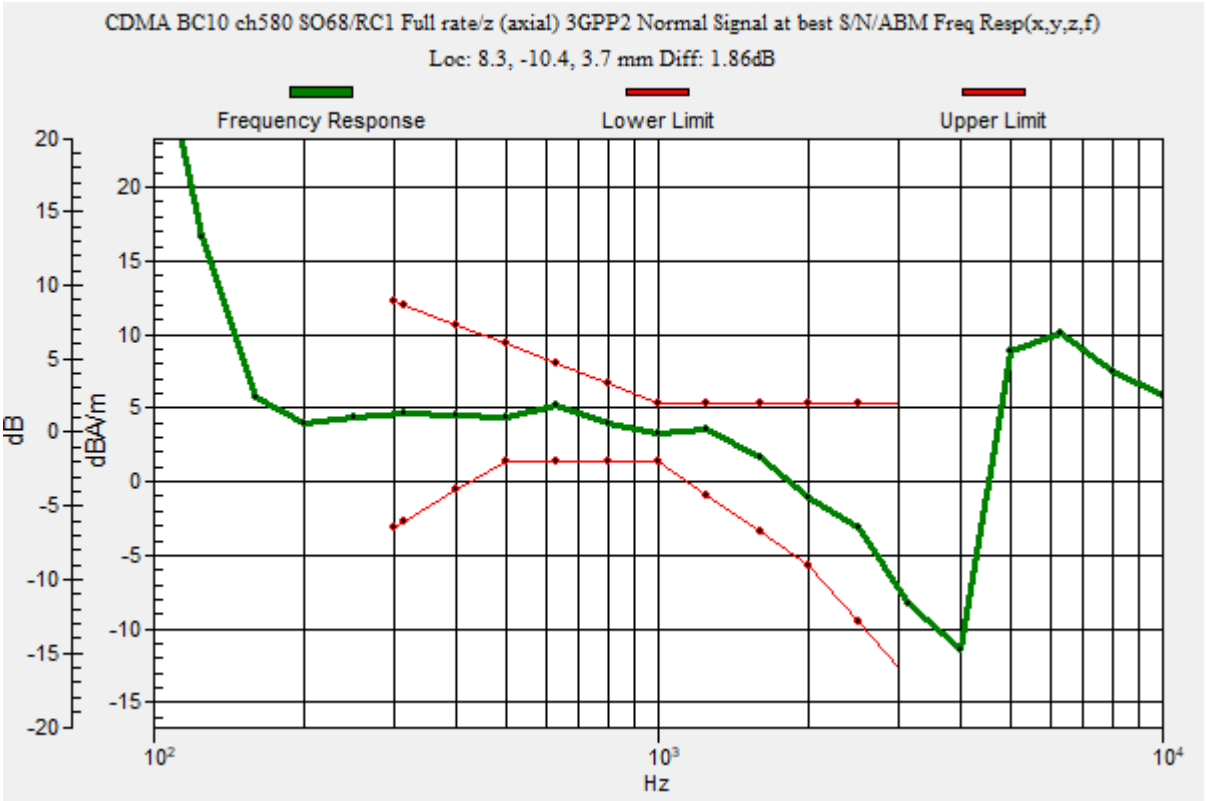
Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10 ch580 SO68/RC1 Full rate/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.86 dB
BWC Factor = 10.80 dB
Location: 8.3, -10.4, 3.7 mm



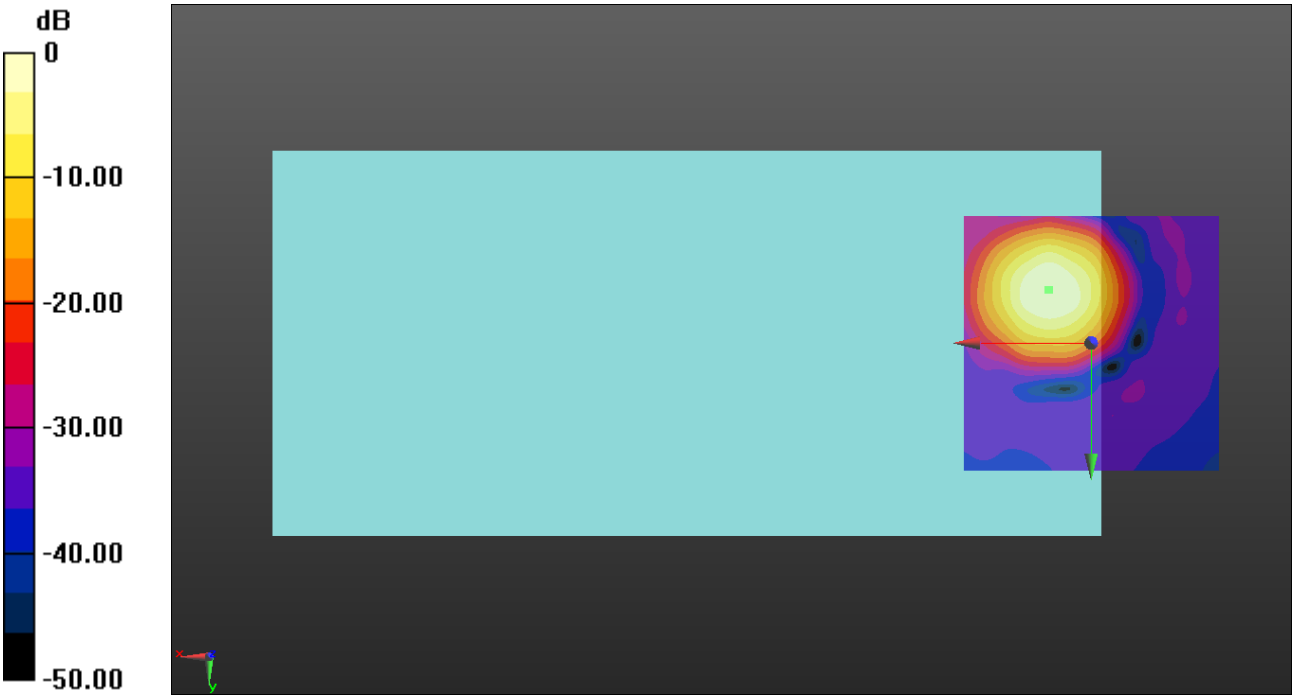
# CDMA

Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10 ch580 SO68/RC1 Full rate/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 19.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 31.79 dB
ABM1 = 1.02 dBA/m
ABM2 = -30.77 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10.4, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

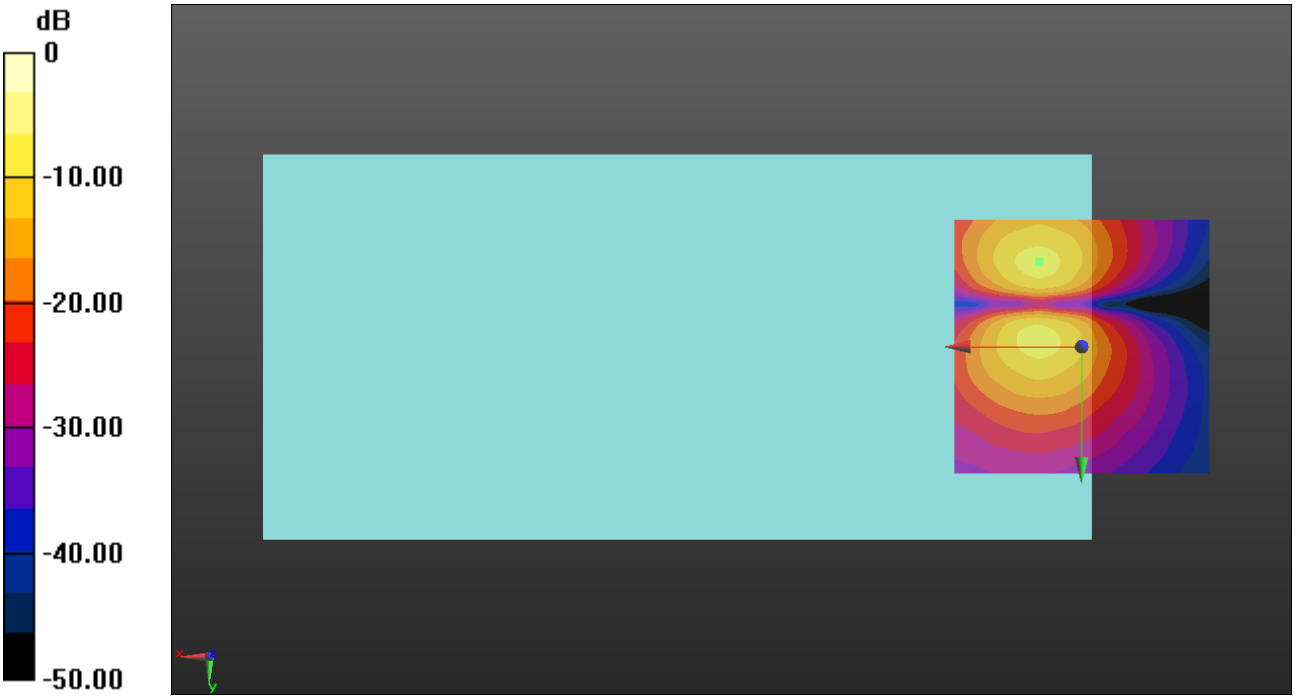
# CDMA

Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10 ch580 SO68/RC1 Full rate/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 19.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 33.26 dB
ABM1 = -8.49 dBA/m
ABM2 = -41.75 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

## VoLTE_FDD

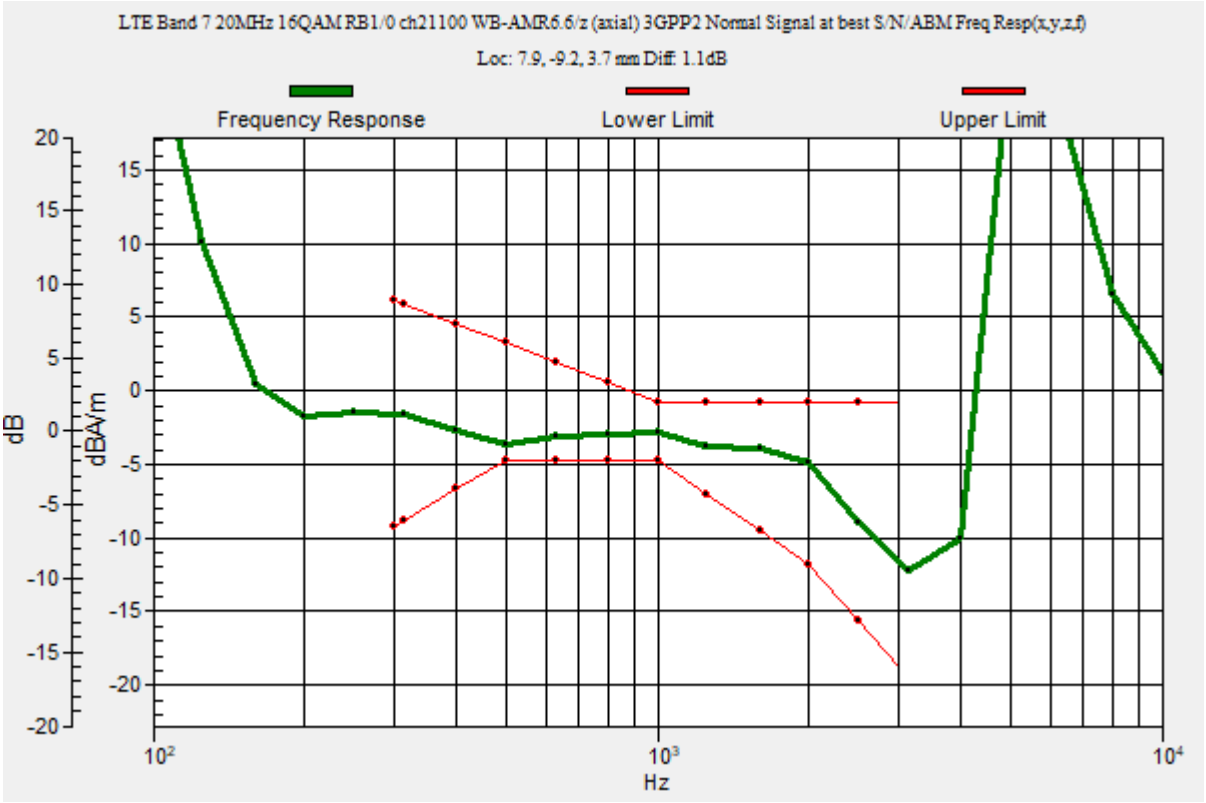
Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

## -Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 20MHz 16QAM RB1/0 ch21100 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.10 dB
BWC Factor = 10.80 dB
Location: 7.9, -9.2, 3.7 mm



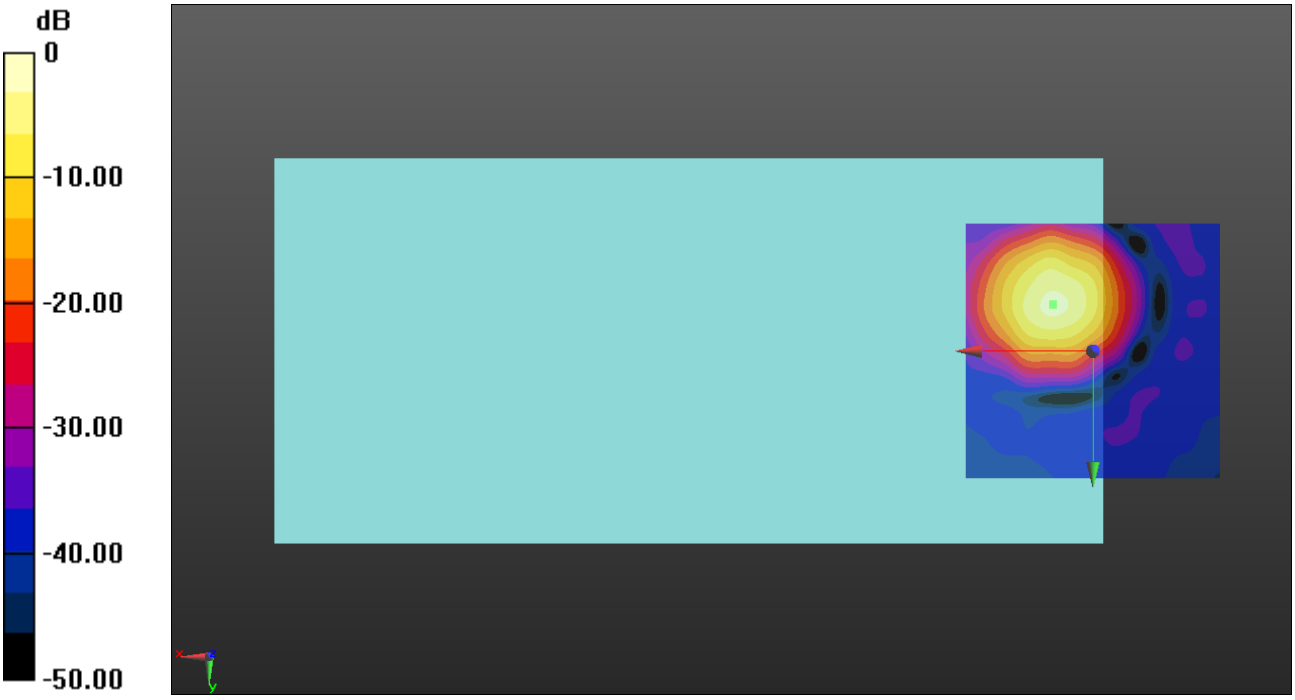
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 20MHz 16QAM RB1/0 ch21100 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.39 dB
ABM1 = -2.28 dBA/m
ABM2 = -43.67 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -9.2, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

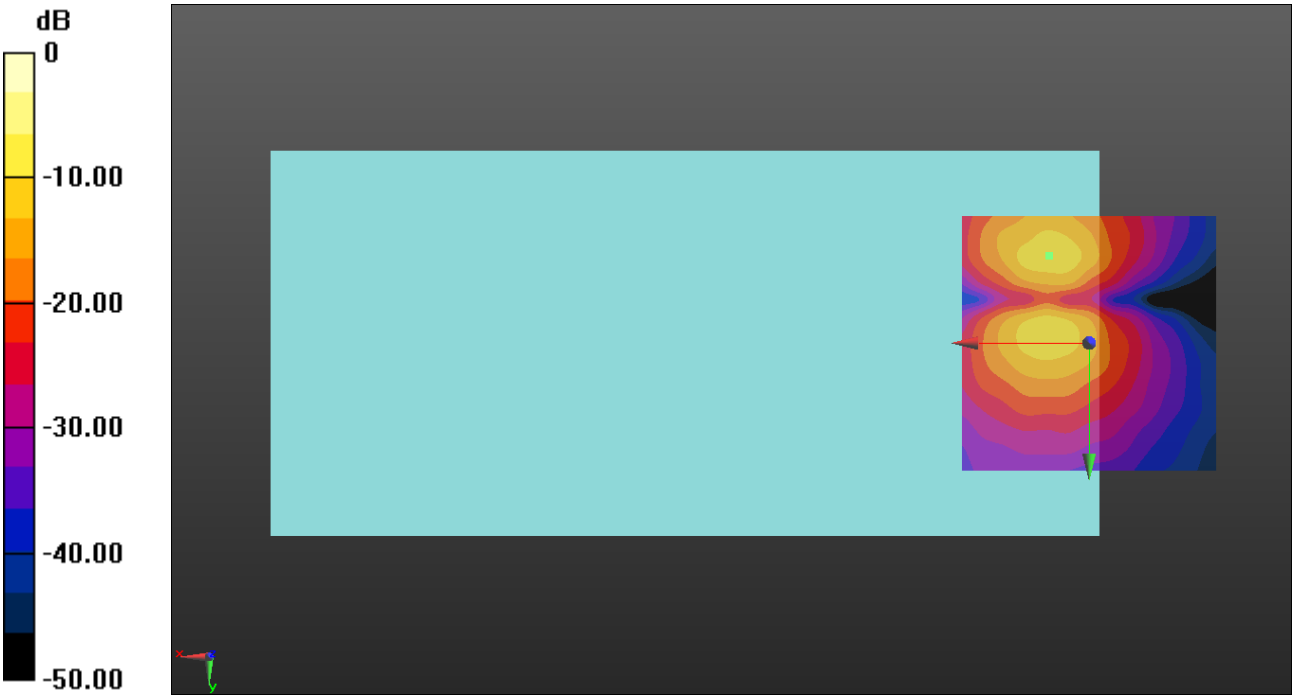
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 20MHz 16QAM RB1/0 ch21100 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 37.13 dB
ABM1 = -10.82 dBA/m
ABM2 = -47.95 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoLTE_FDD

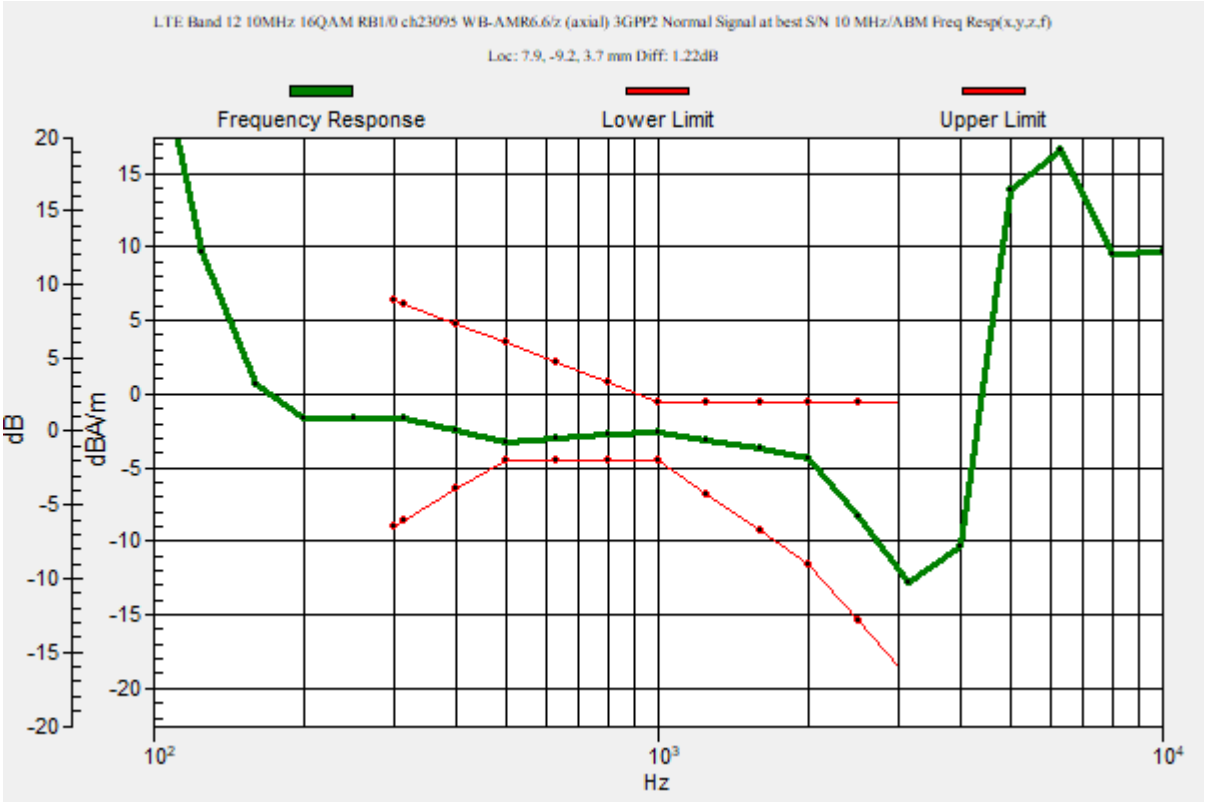
Communication System: UID 0, LTE (FDD) (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz 16QAM RB1/0 ch23095 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N 10 MHz/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.22 dB
BWC Factor = 10.80 dB
Location: 7.9, -9.2, 3.7 mm



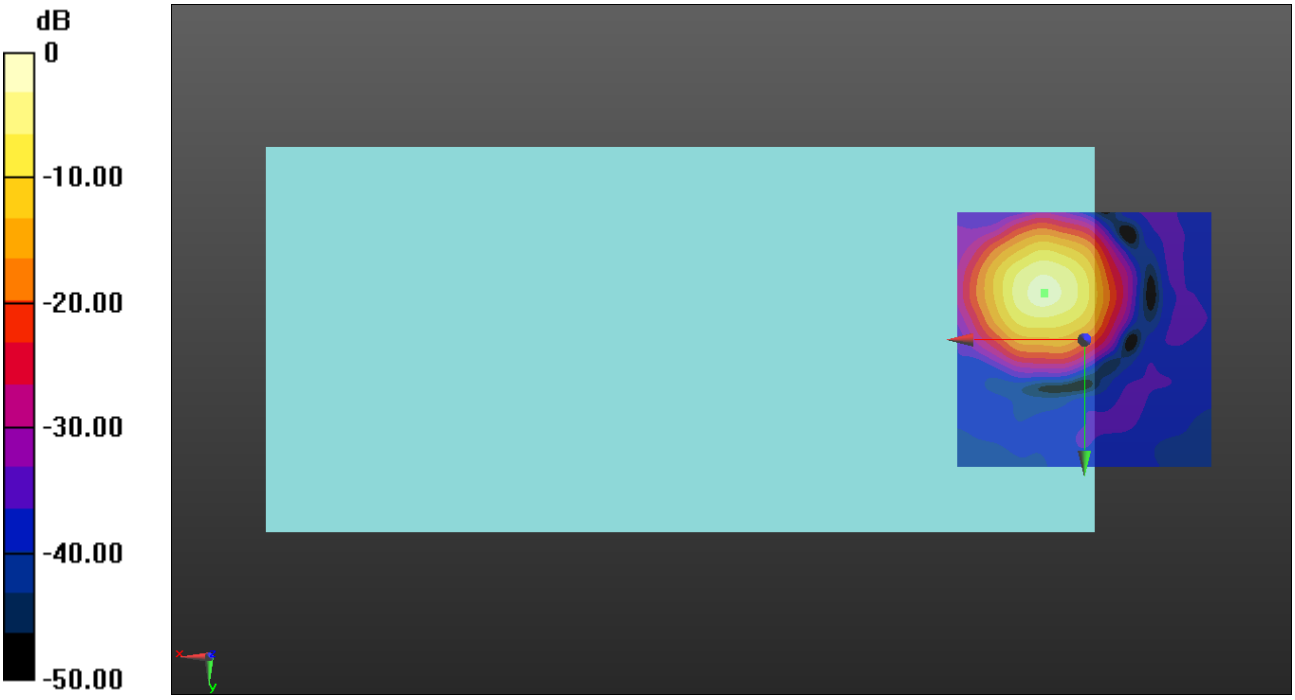
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz 16QAM RB1/0 ch23095 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 37.76 dB
ABM1 = -1.65 dBA/m
ABM2 = -39.41 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -9.2, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

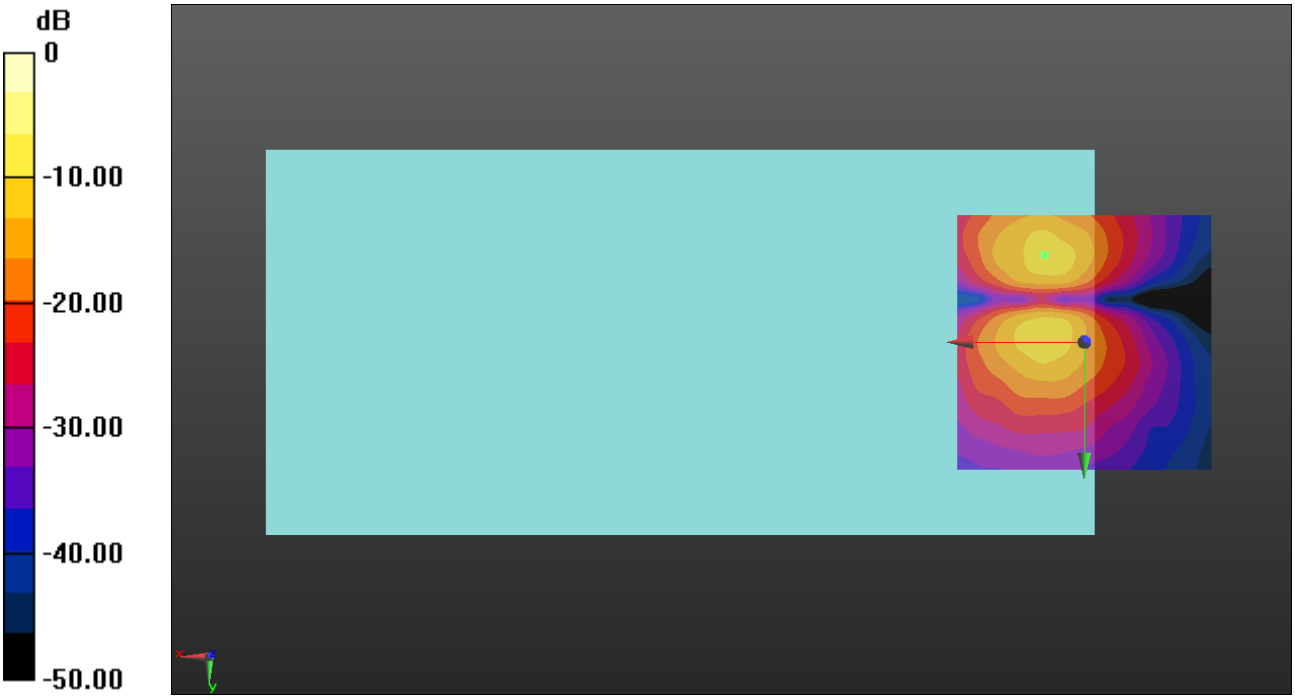
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz 16QAM RB1/0 ch23095 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.90 dB
ABM1 = -10.13 dBA/m
ABM2 = -47.03 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoLTE_FDD

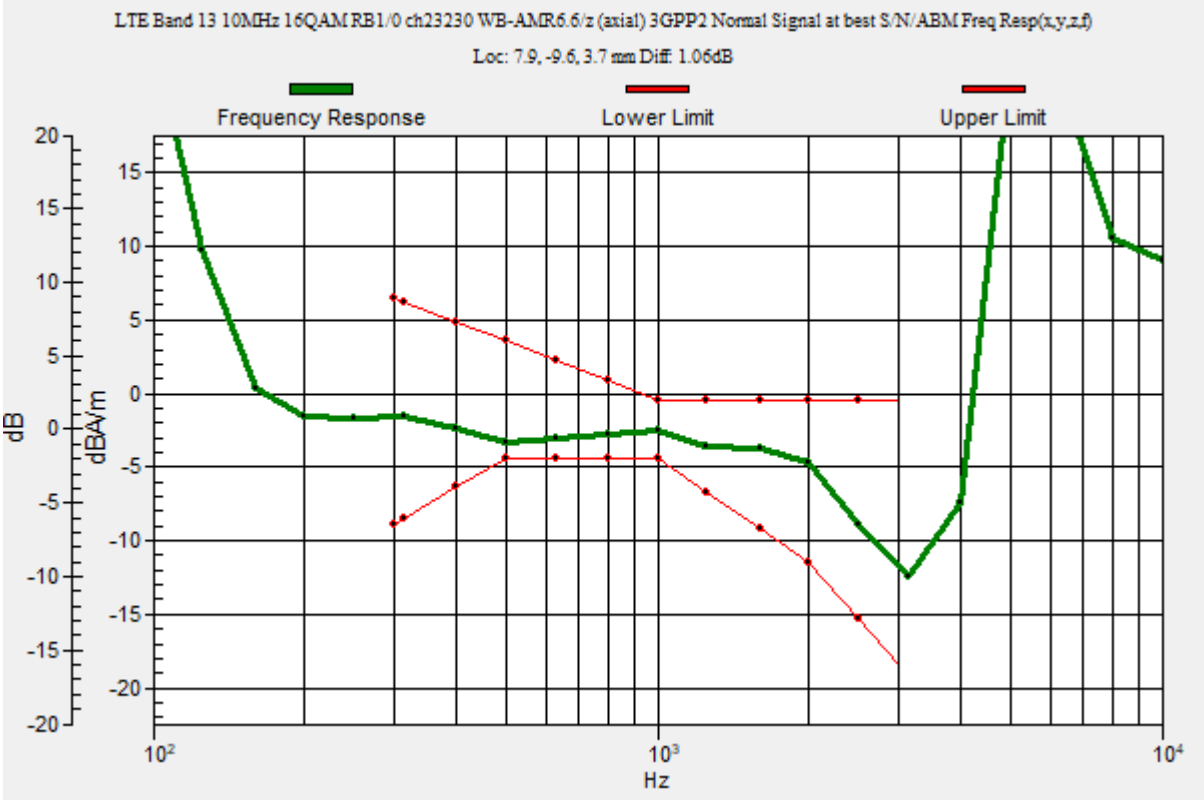
Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13 10MHz 16QAM RB1/0 ch23230 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.06 dB
BWC Factor = 10.80 dB
Location: 7.9, -9.6, 3.7 mm



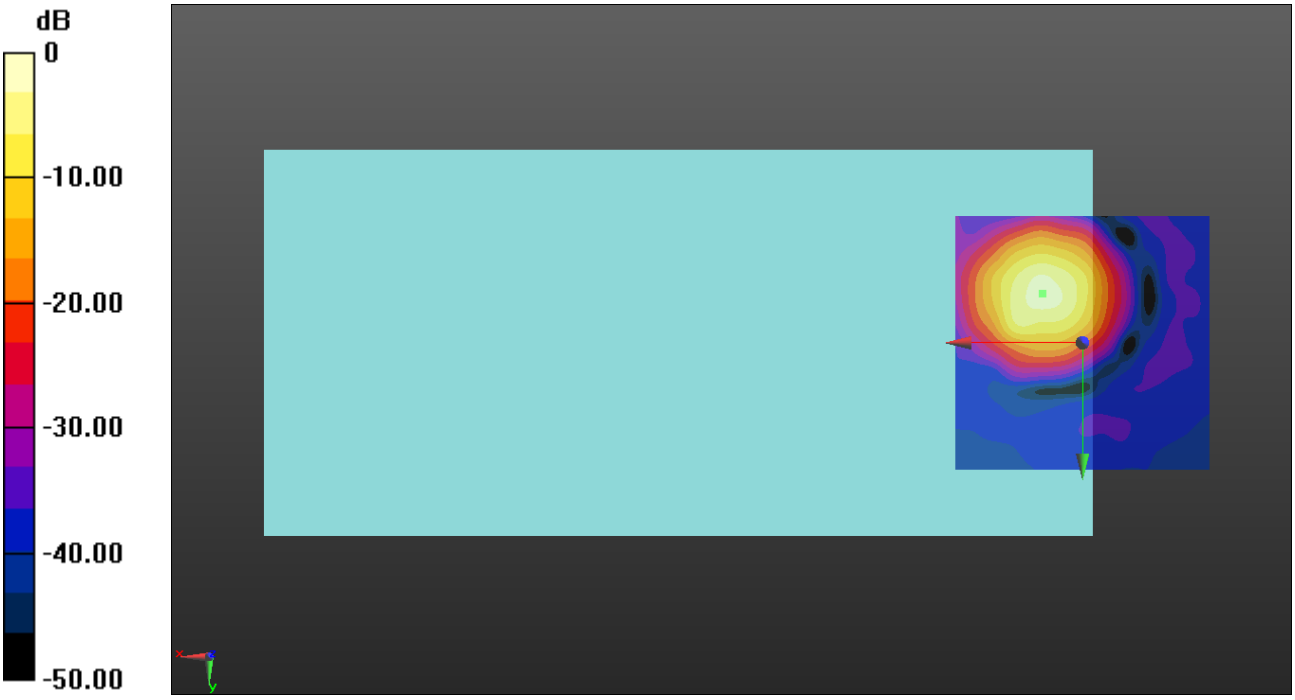
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13 10MHz 16QAM RB1/0 ch23230 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 38.50 dB
ABM1 = -1.74 dBA/m
ABM2 = -40.24 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

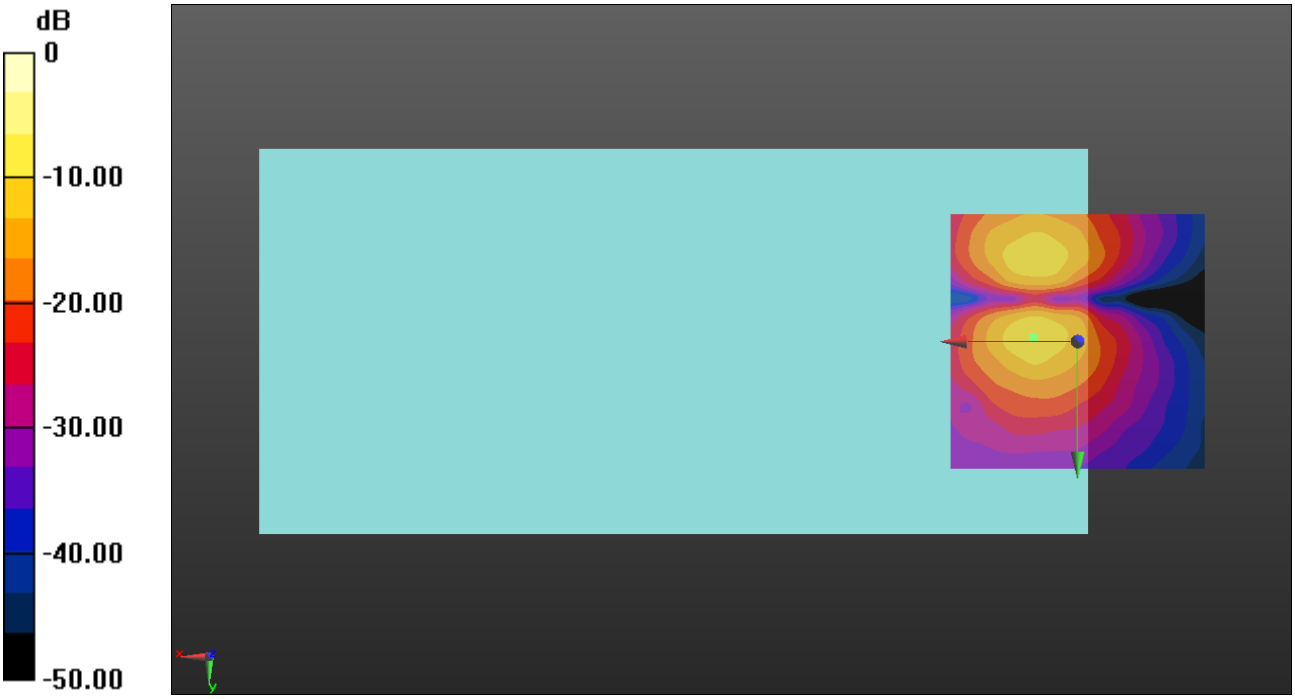
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13 10MHz 16QAM RB1/0 ch23230 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 32.66 dB
ABM1 = -10.81 dBA/m
ABM2 = -43.47 dBA/m
BWC Factor = 0.16 dB
Location: 8.8, -0.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoLTE_FDD

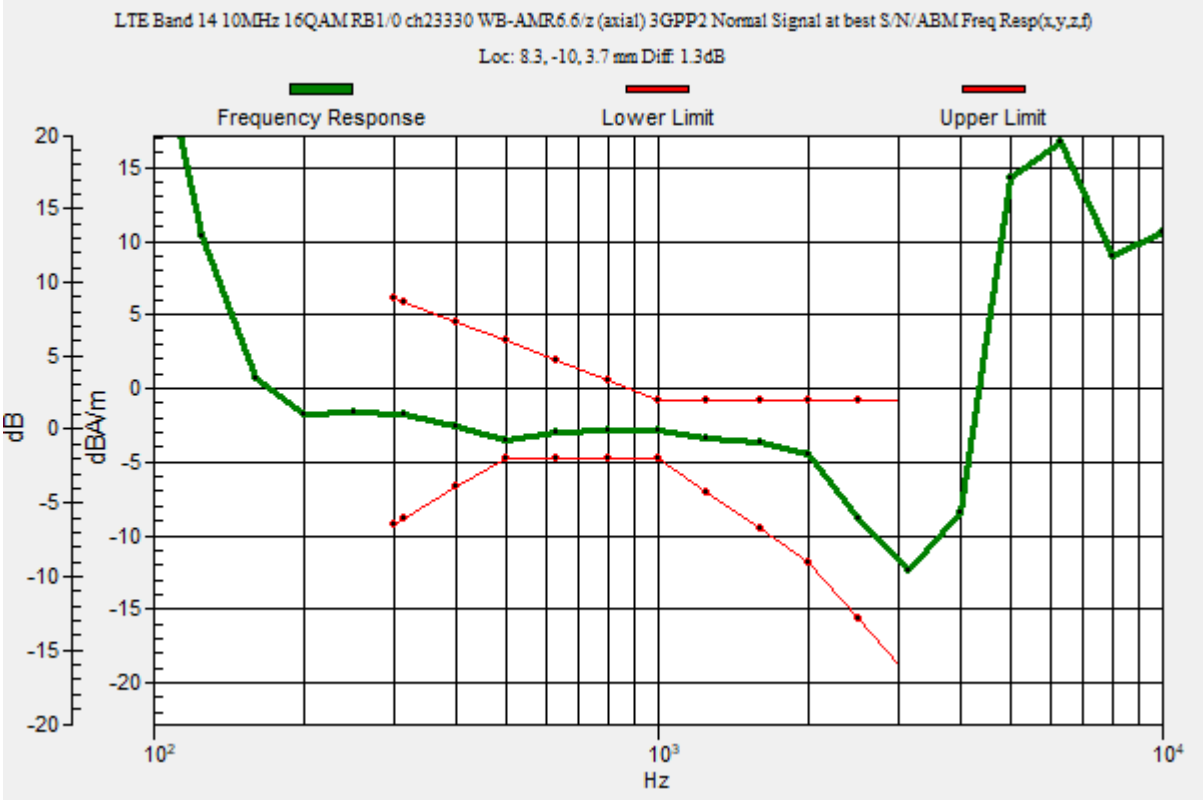
Communication System: UID 0, LTE (FDD) (0); Frequency: 793 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 10MHz 16QAM RB1/0 ch23330 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.30 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



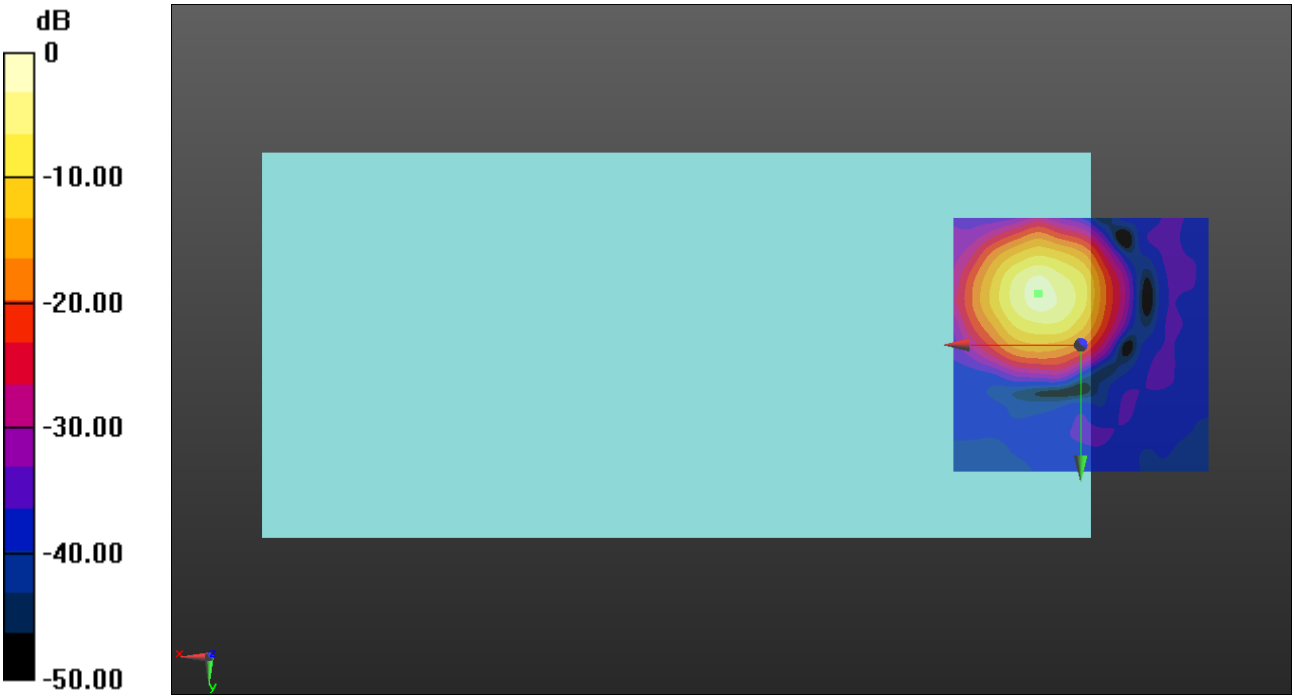
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 793 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 10MHz 16QAM RB1/0 ch23330 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 38.54 dB
ABM1 = -1.56 dBA/m
ABM2 = -40.10 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

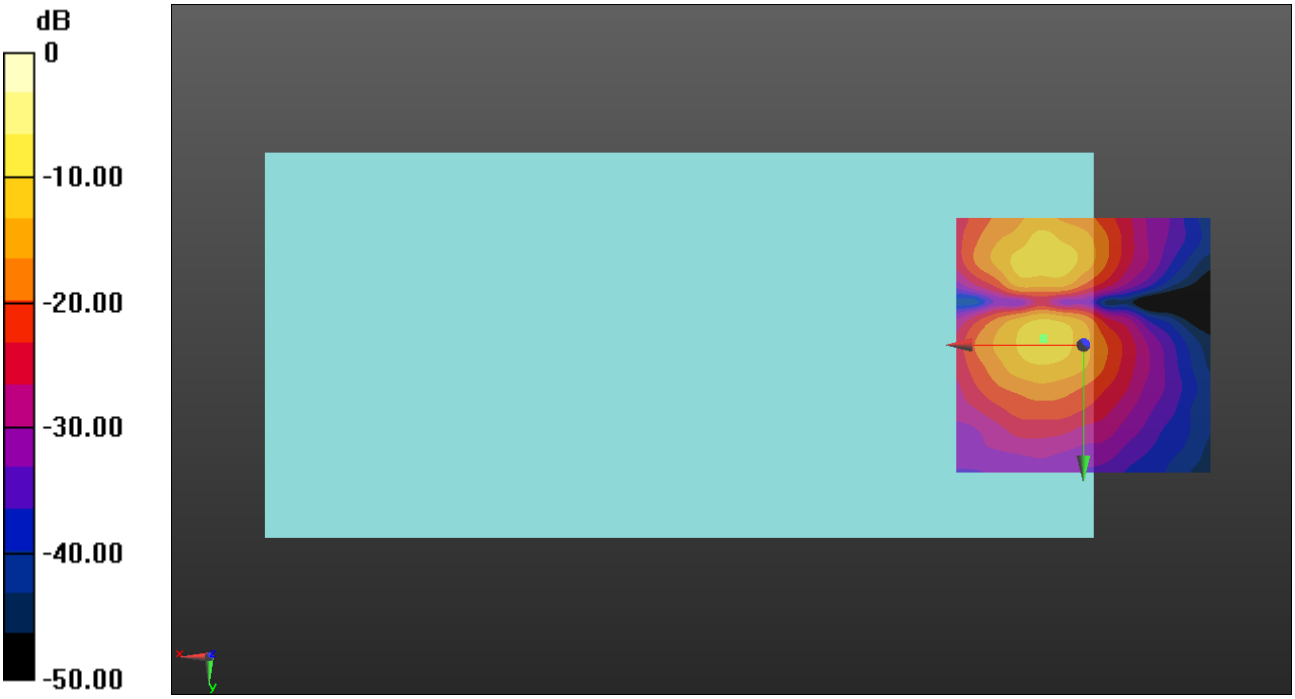
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 793 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 10MHz 16QAM RB1/0 ch23330 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 33.32 dB
ABM1 = -10.62 dBA/m
ABM2 = -43.94 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -1.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoLTE_FDD

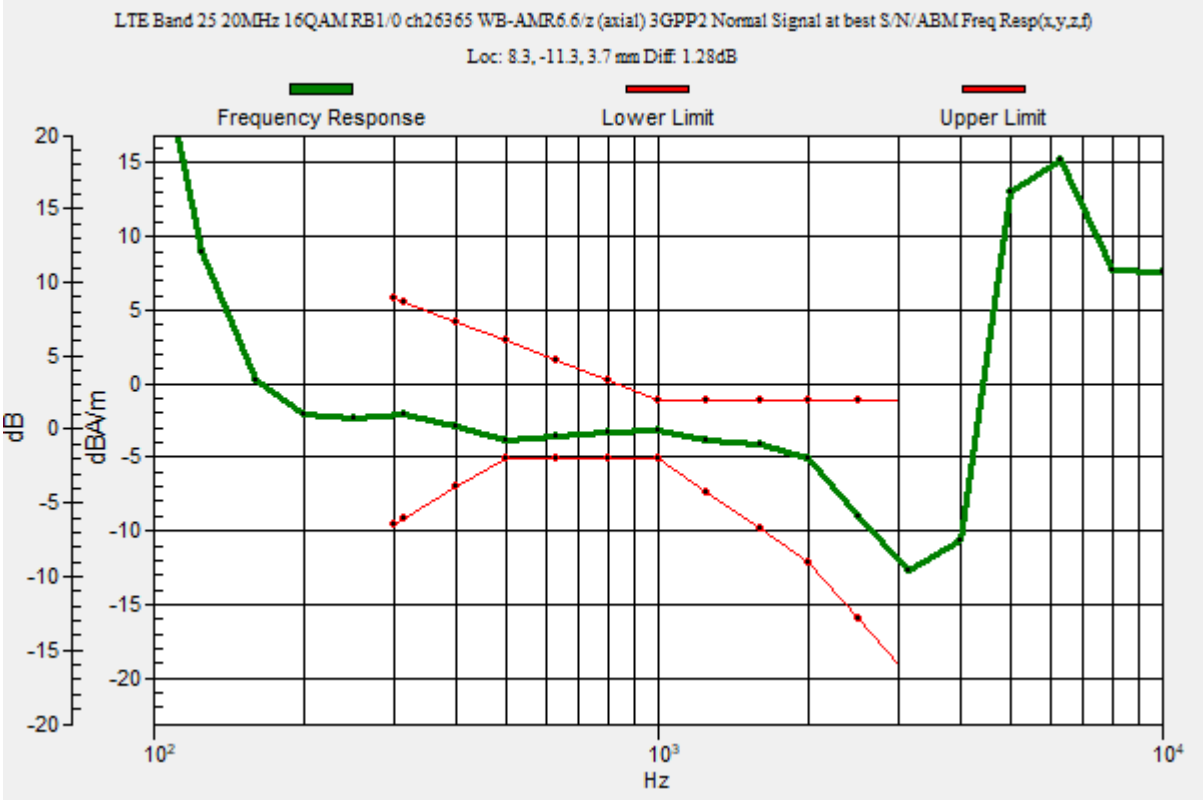
Communication System: UID 0, LTE (FDD) (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 20MHz 16QAM RB1/0 ch26365 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.28 dB
BWC Factor = 10.80 dB
Location: 8.3, -11.3, 3.7 mm



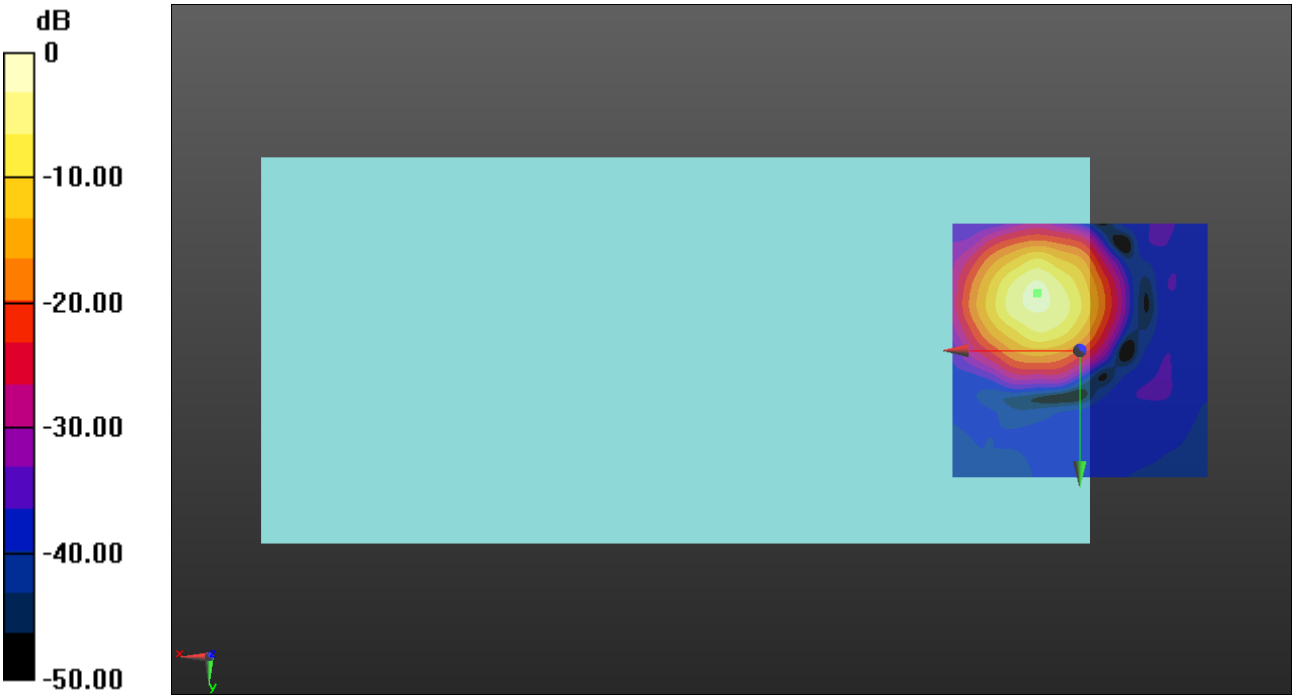
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 20MHz 16QAM RB1/0 ch26365 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 38.35 dB
ABM1 = -2.18 dBA/m
ABM2 = -40.53 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -11.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

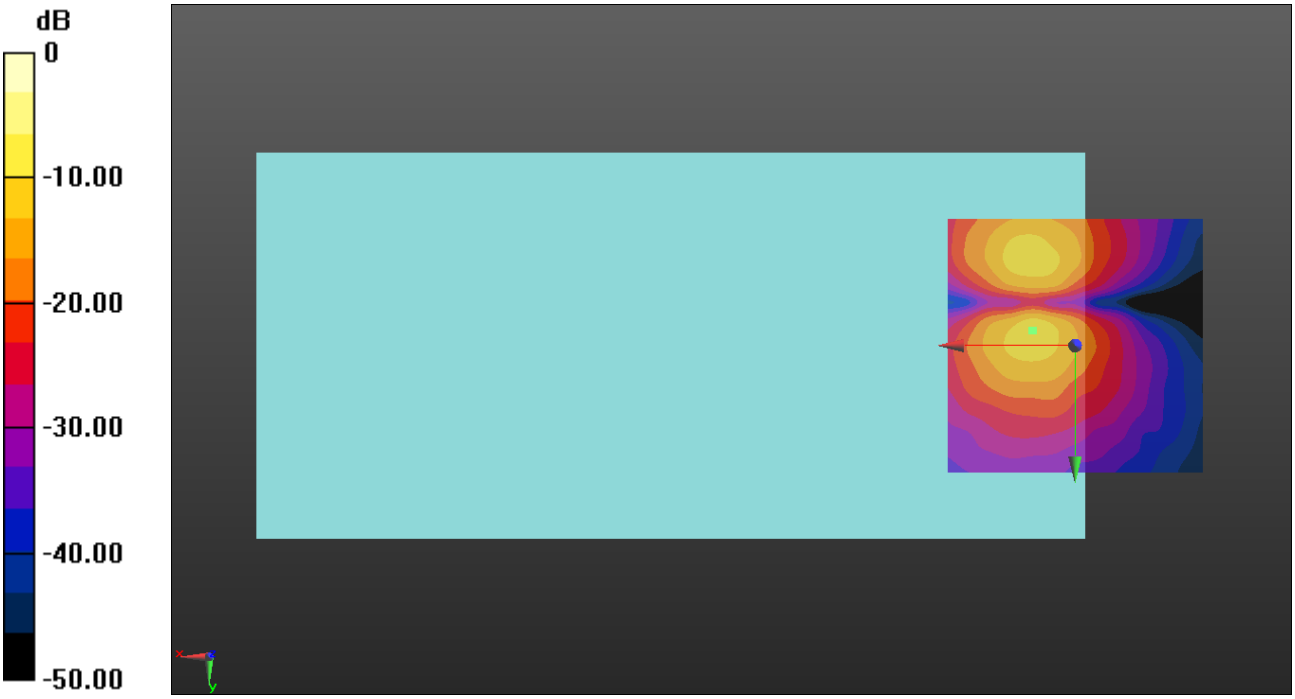
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 20MHz 16QAM RB1/0 ch26365 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 32.18 dB
ABM1 = -10.89 dBA/m
ABM2 = -43.07 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.9, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

## VoLTE_FDD

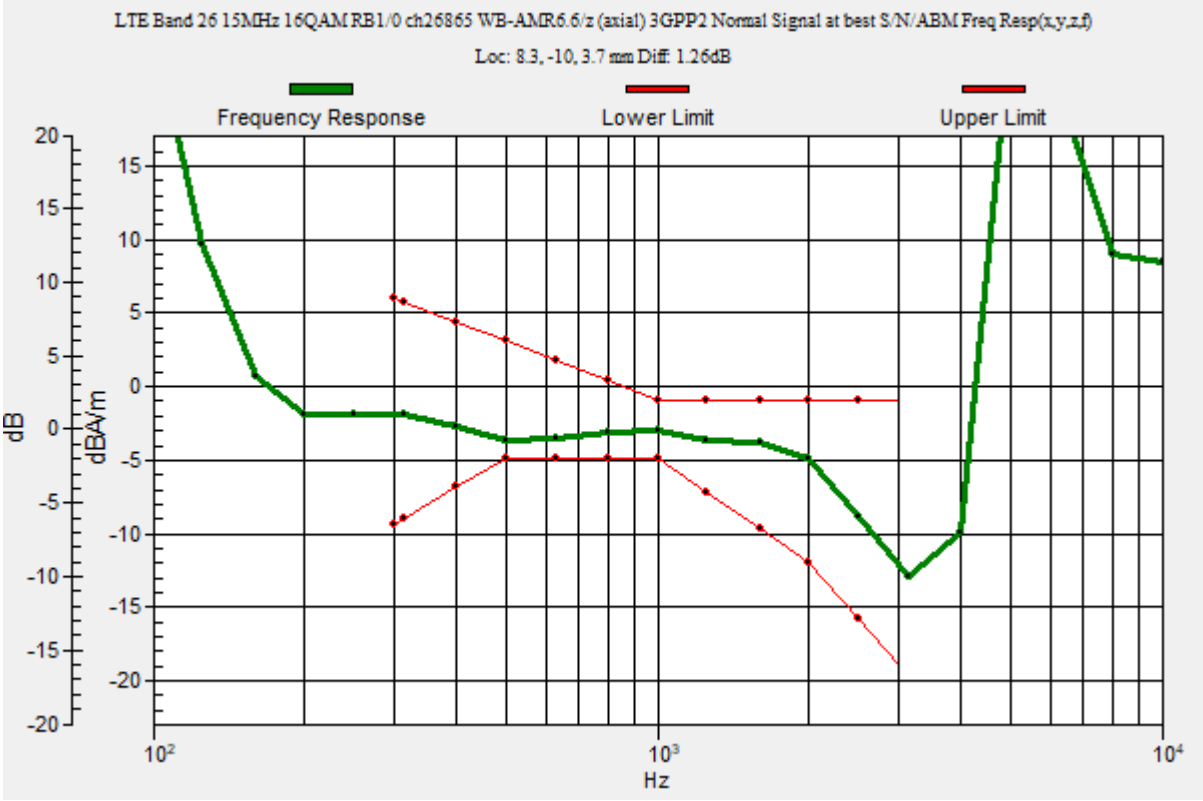
Communication System: UID 0, LTE (FDD) (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz 16QAM RB1/0 ch26865 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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: 8.3, -10, 3.7 mm



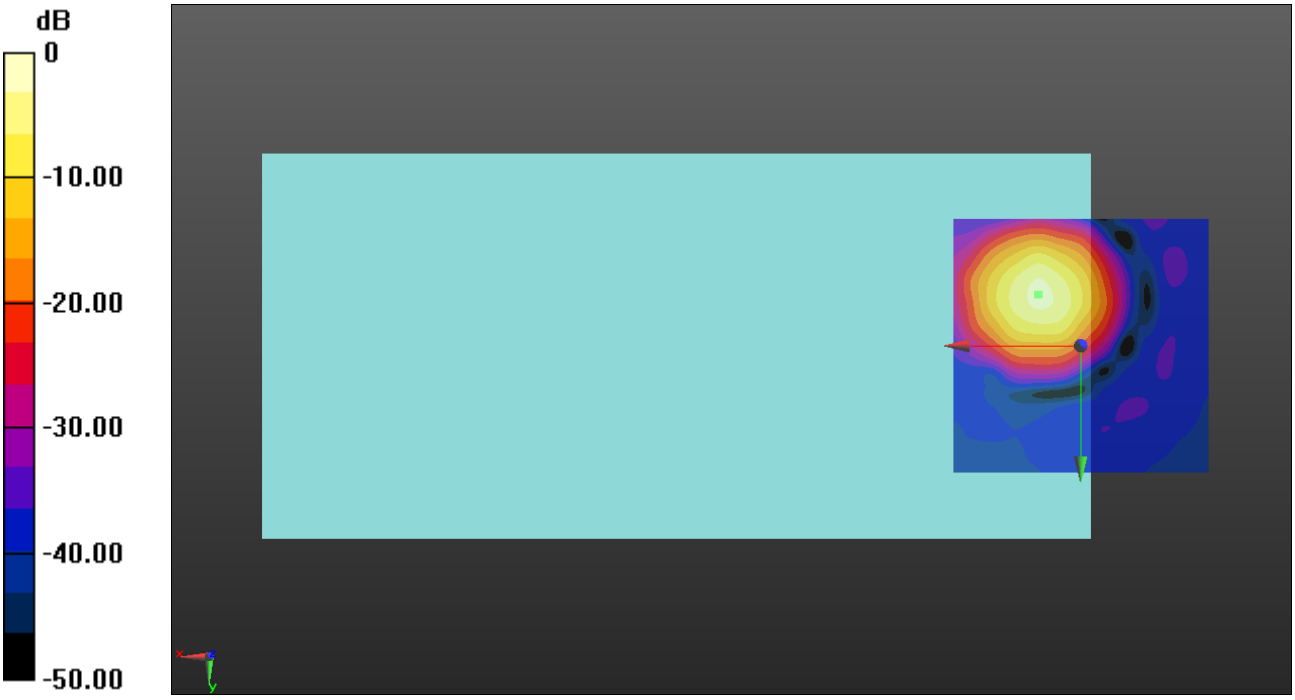
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz 16QAM RB1/0 ch26865 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 38.18 dB
ABM1 = -2.28 dBA/m
ABM2 = -40.46 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

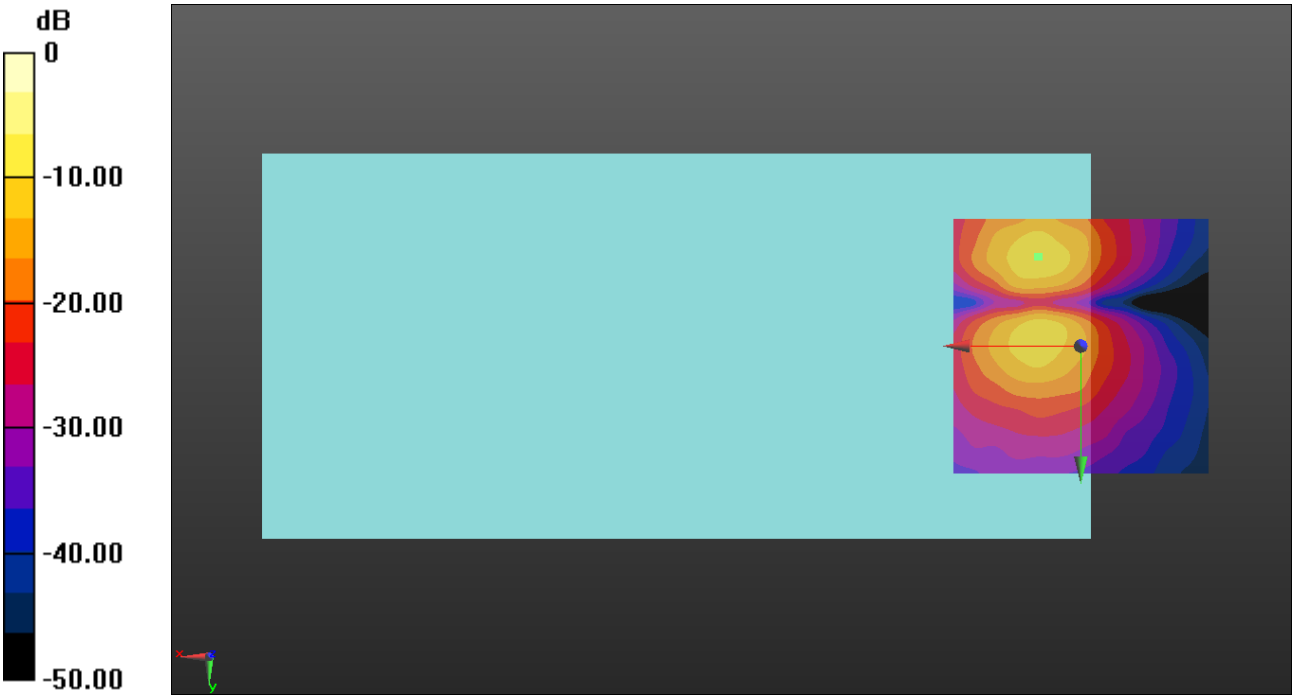
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz 16QAM RB1/0 ch26865 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 37.03 dB
ABM1 = -10.41 dBA/m
ABM2 = -47.44 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

## VoLTE_FDD

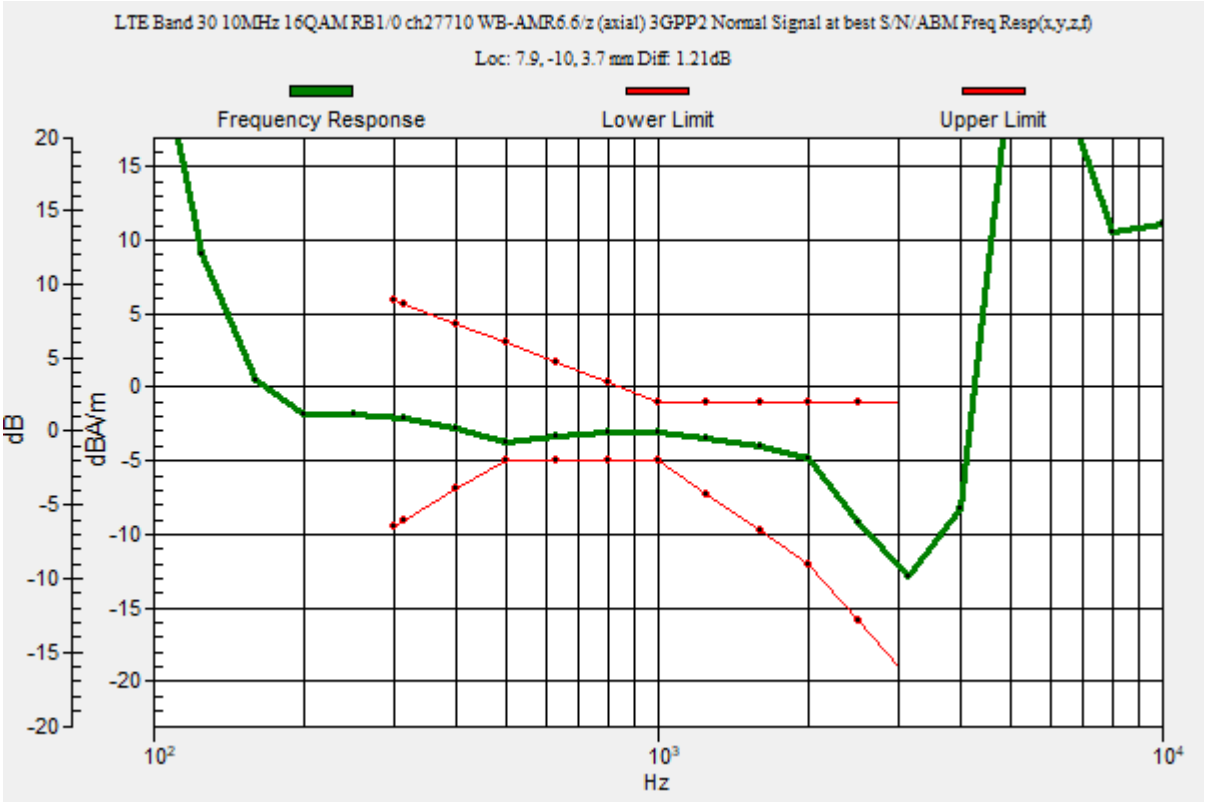
Communication System: UID 0, LTE (FDD) (0); Frequency: 2310 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 10MHz 16QAM RB1/0 ch27710 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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: 7.9, -10, 3.7 mm



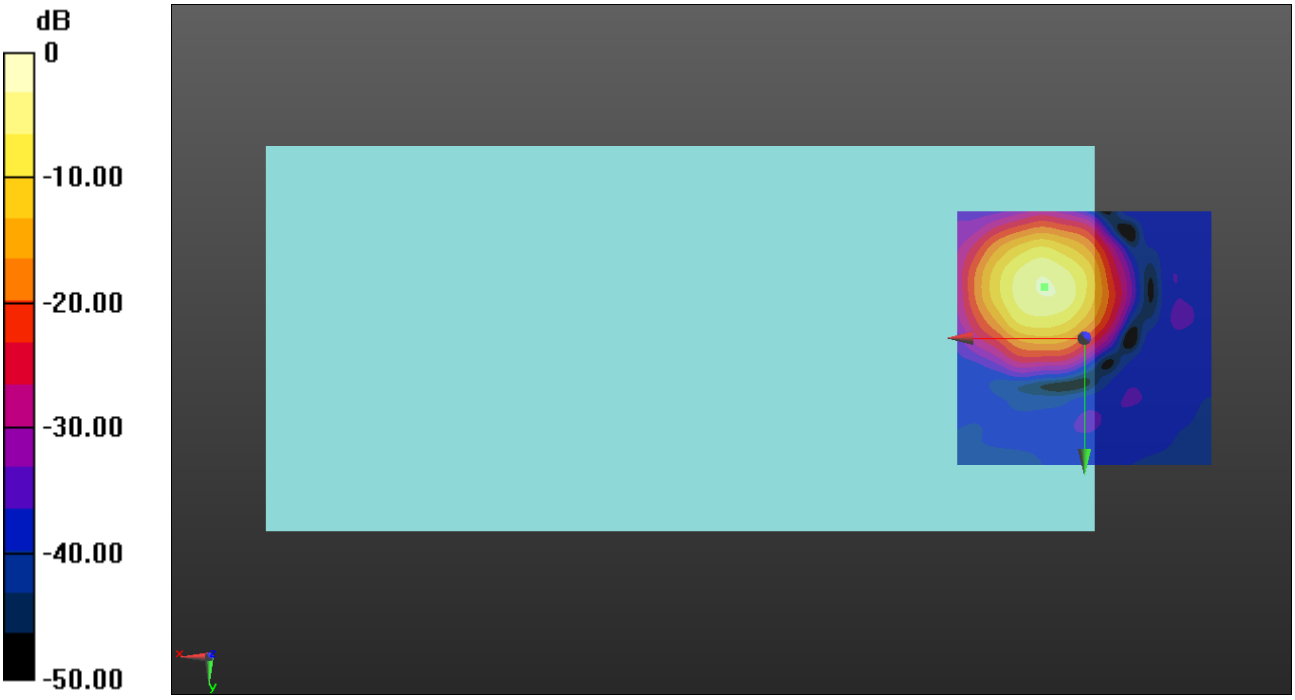
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 10MHz 16QAM RB1/0 ch27710 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.41 dB
ABM1 = -3.00 dBA/m
ABM2 = -39.41 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

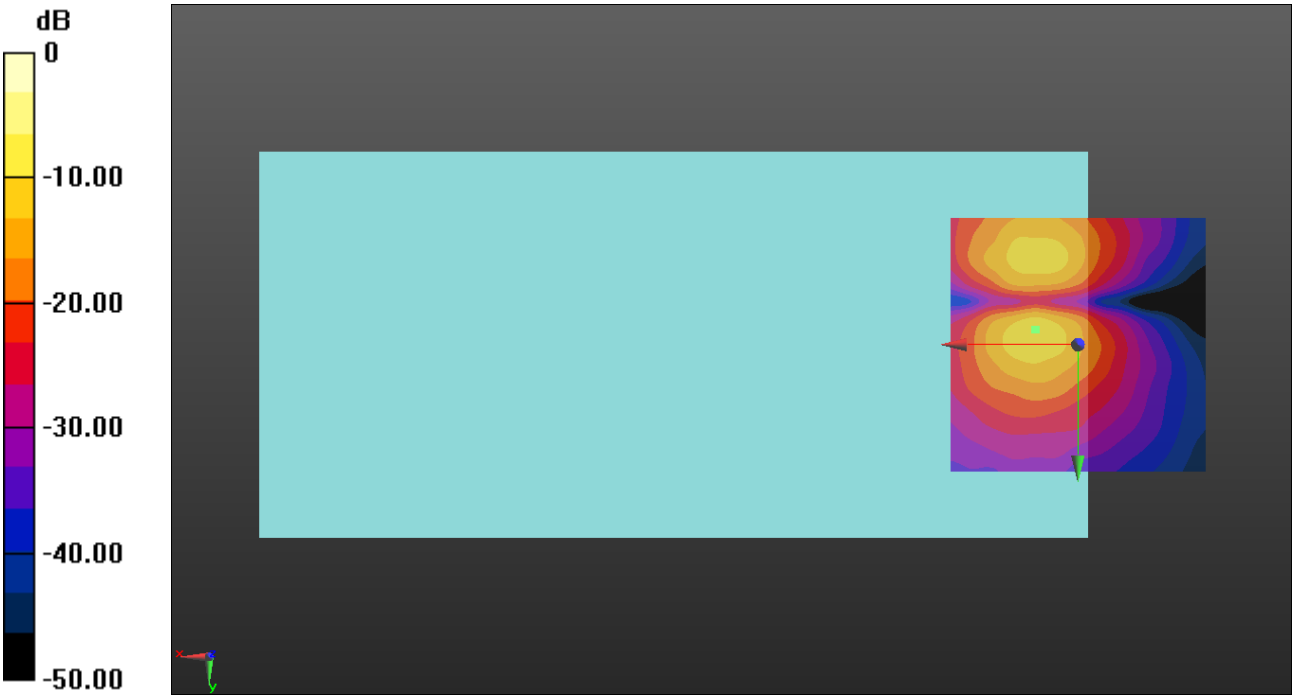
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 10MHz 16QAM RB1/0 ch27710 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 31.15 dB
ABM1 = -10.68 dBA/m
ABM2 = -41.83 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.9, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

## VoLTE_FDD

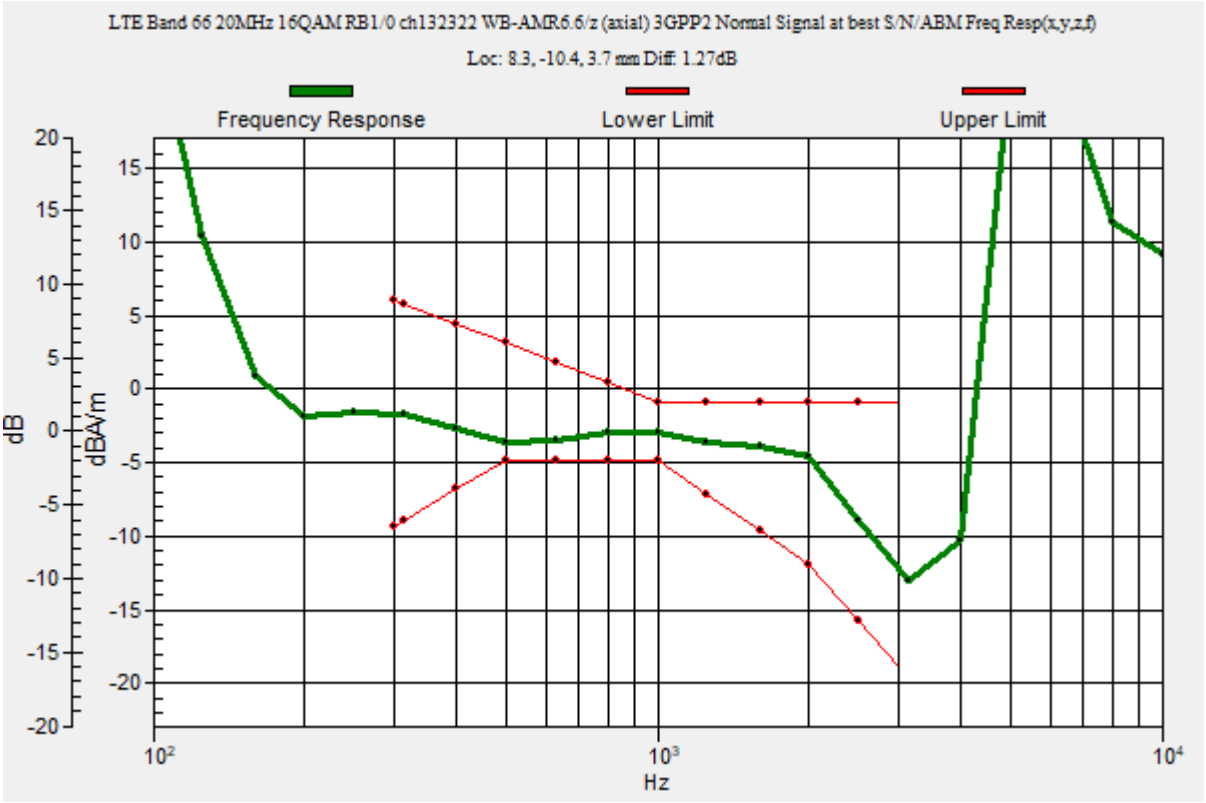
Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 20MHz 16QAM RB1/0 ch132322 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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: 8.3, -10.4, 3.7 mm



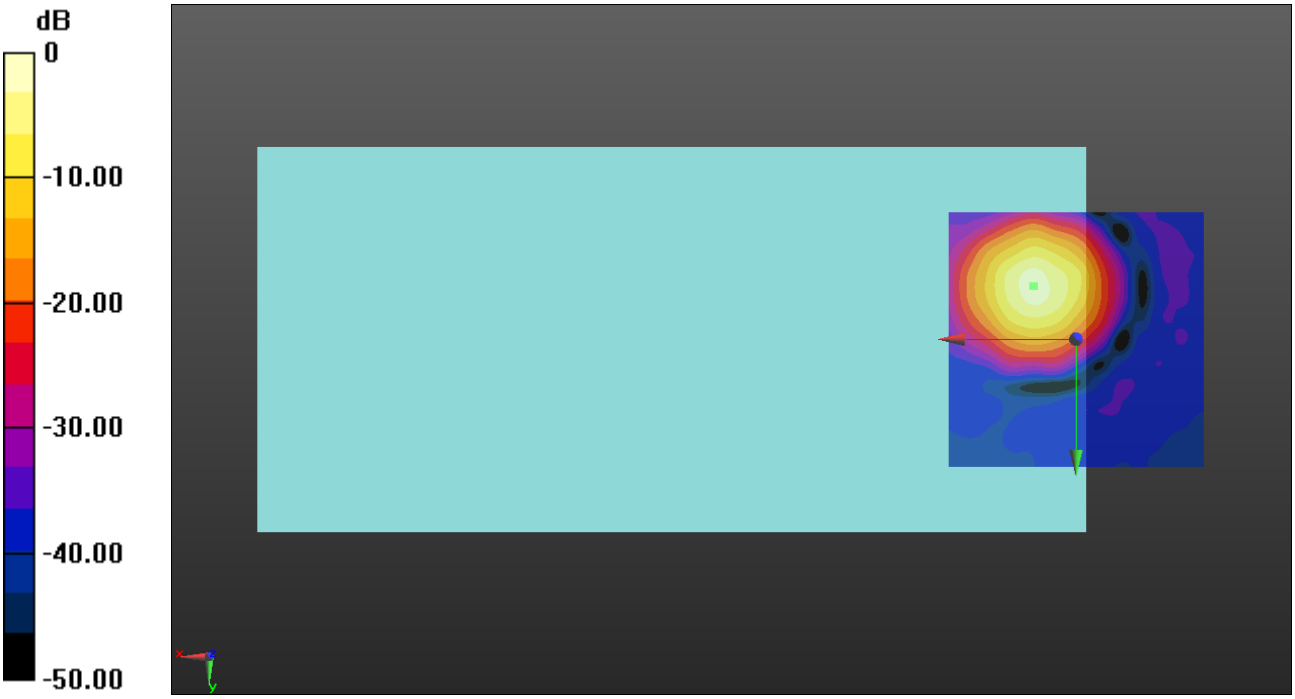
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 20MHz 16QAM RB1/0 ch132322 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.32 dB
ABM1 = -1.57 dBA/m
ABM2 = -37.89 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10.4, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

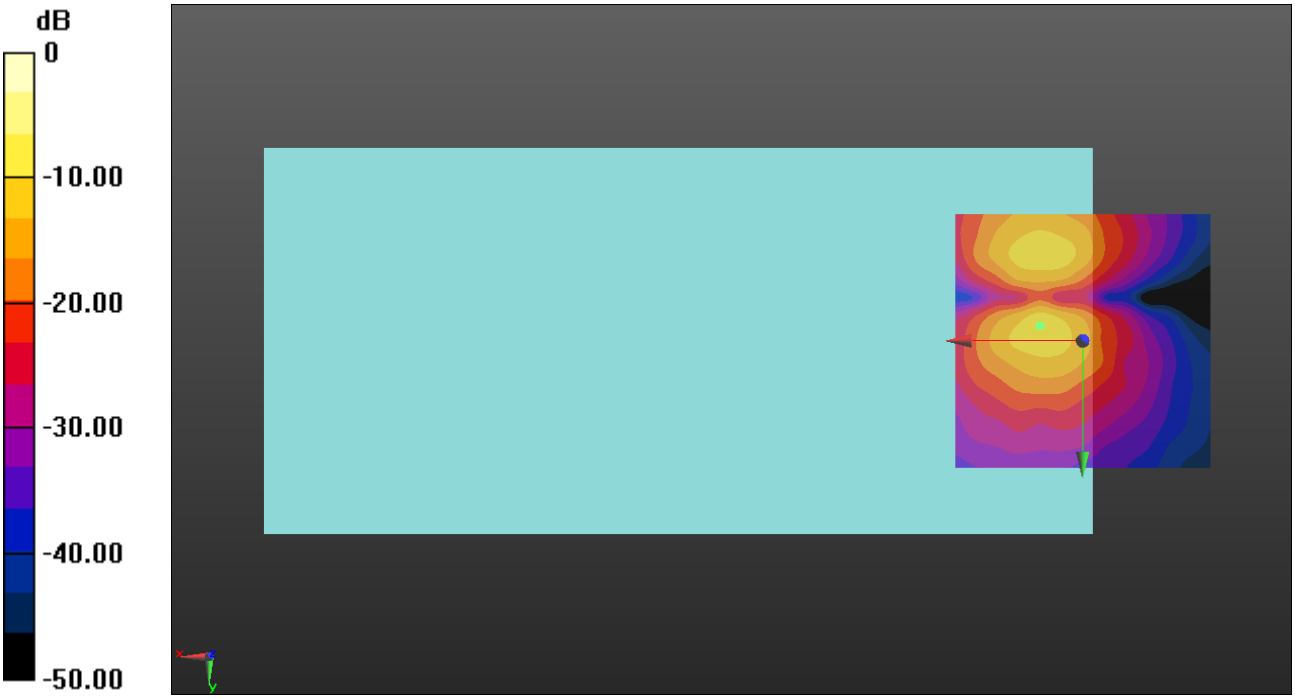
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 20MHz 16QAM RB1/0 ch132322 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 30.67 dB
ABM1 = -10.81 dBA/m
ABM2 = -41.48 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.9, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

## VoLTE_FDD

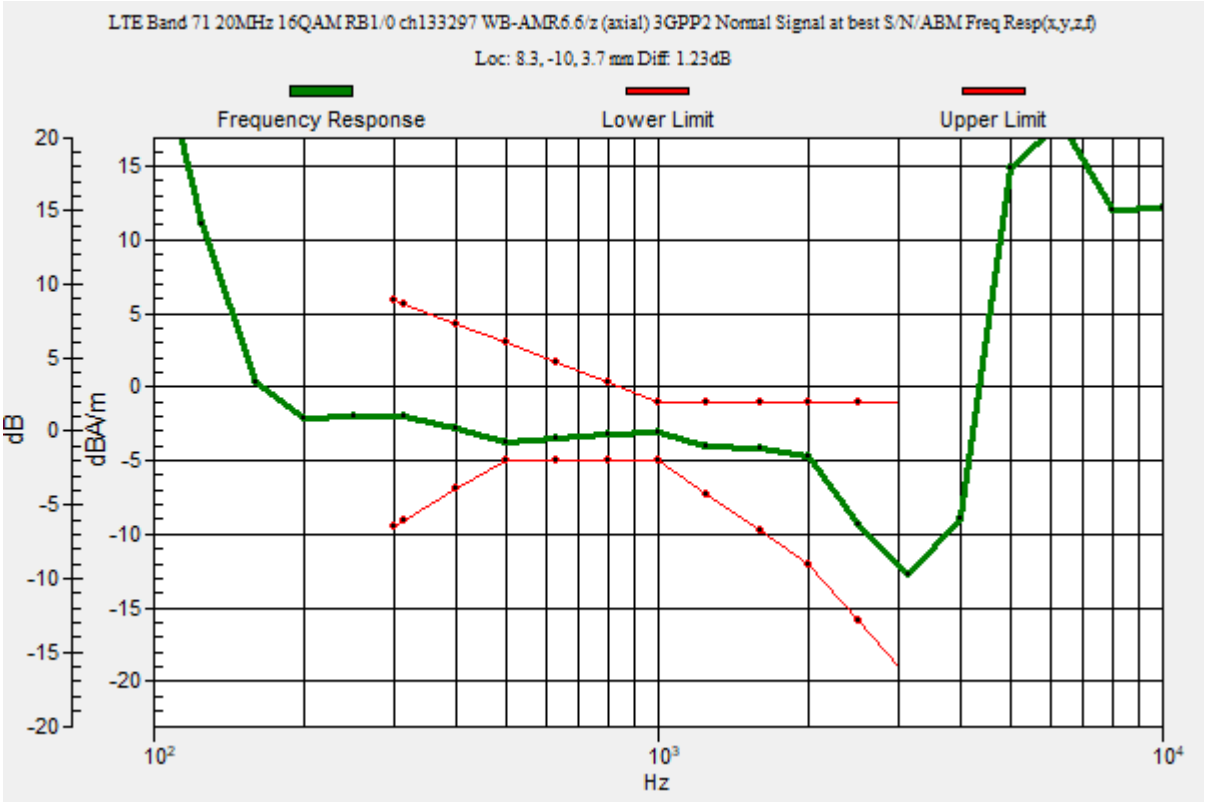
Communication System: UID 0, LTE (FDD) (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 20MHz 16QAM RB1/0 ch133297 WB-AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.23 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



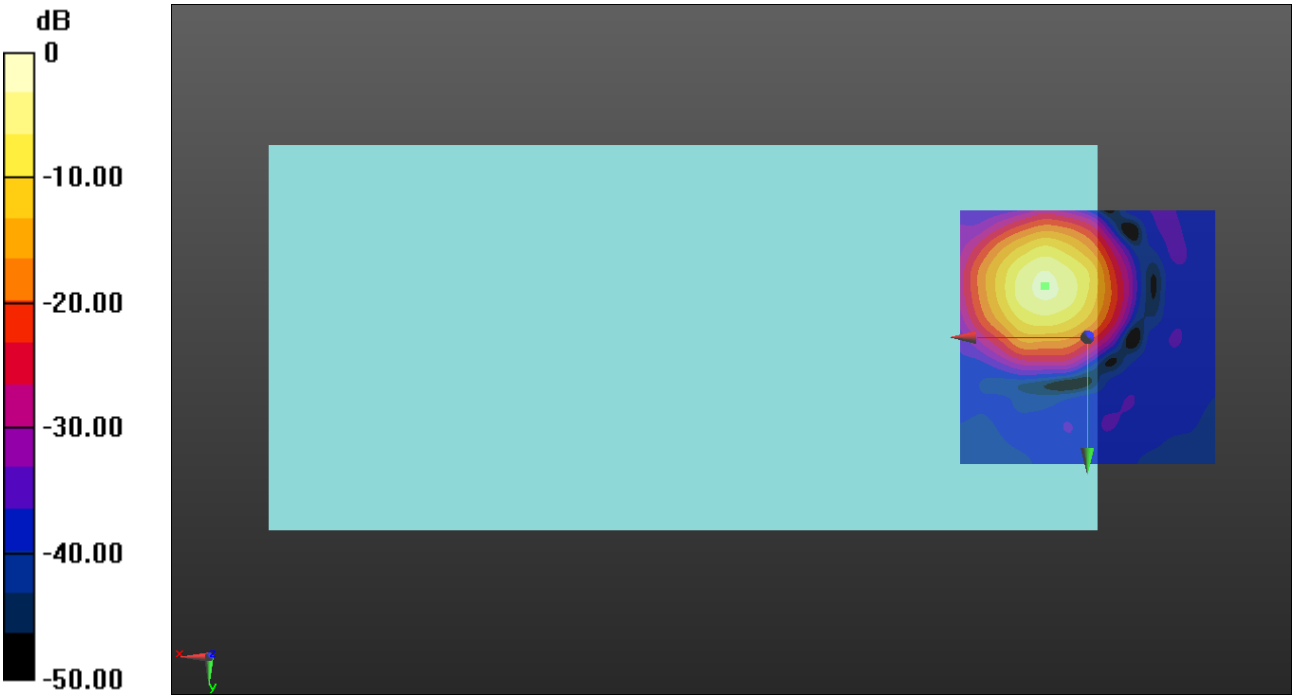
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 20MHz 16QAM RB1/0 ch133297 WB-AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 34.52 dB
ABM1 = -2.41 dBA/m
ABM2 = -36.93 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

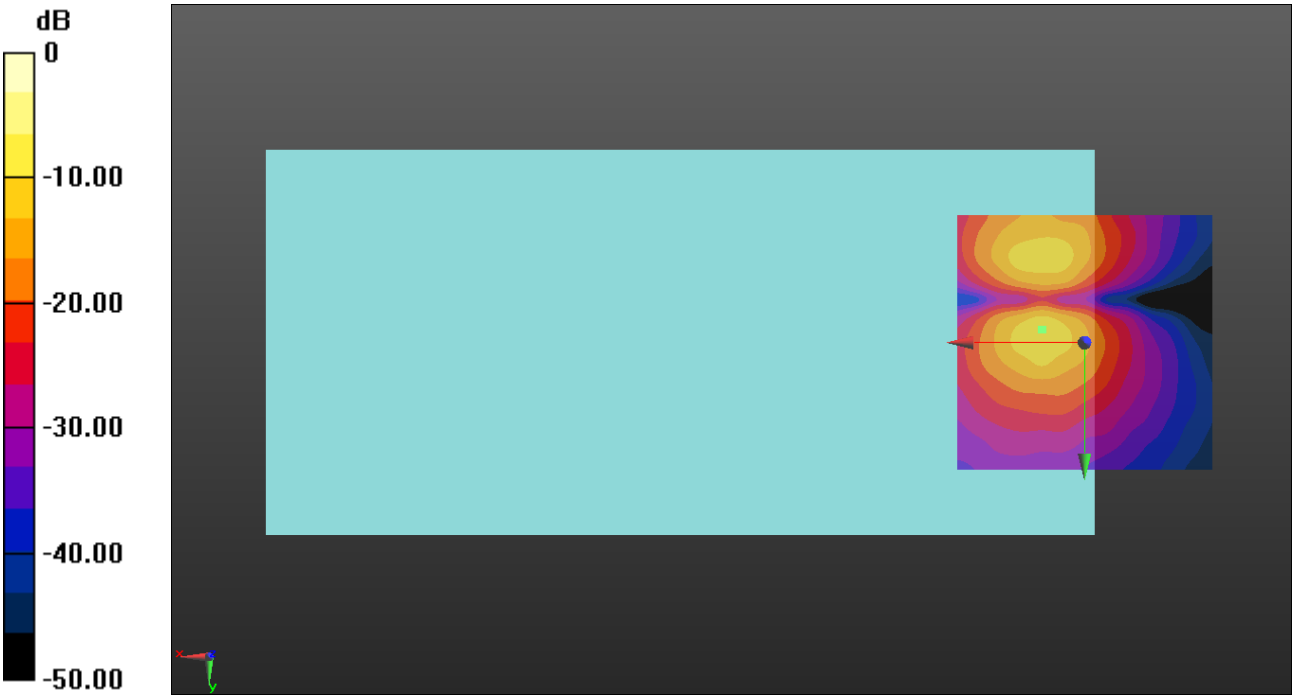
# VoLTE_FDD

Communication System: UID 0, LTE (FDD) (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 20MHz 16QAM RB1/0 ch133297 WB-AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 31.87 dB
ABM1 = -11.07 dBA/m
ABM2 = -42.94 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoLTE TDD

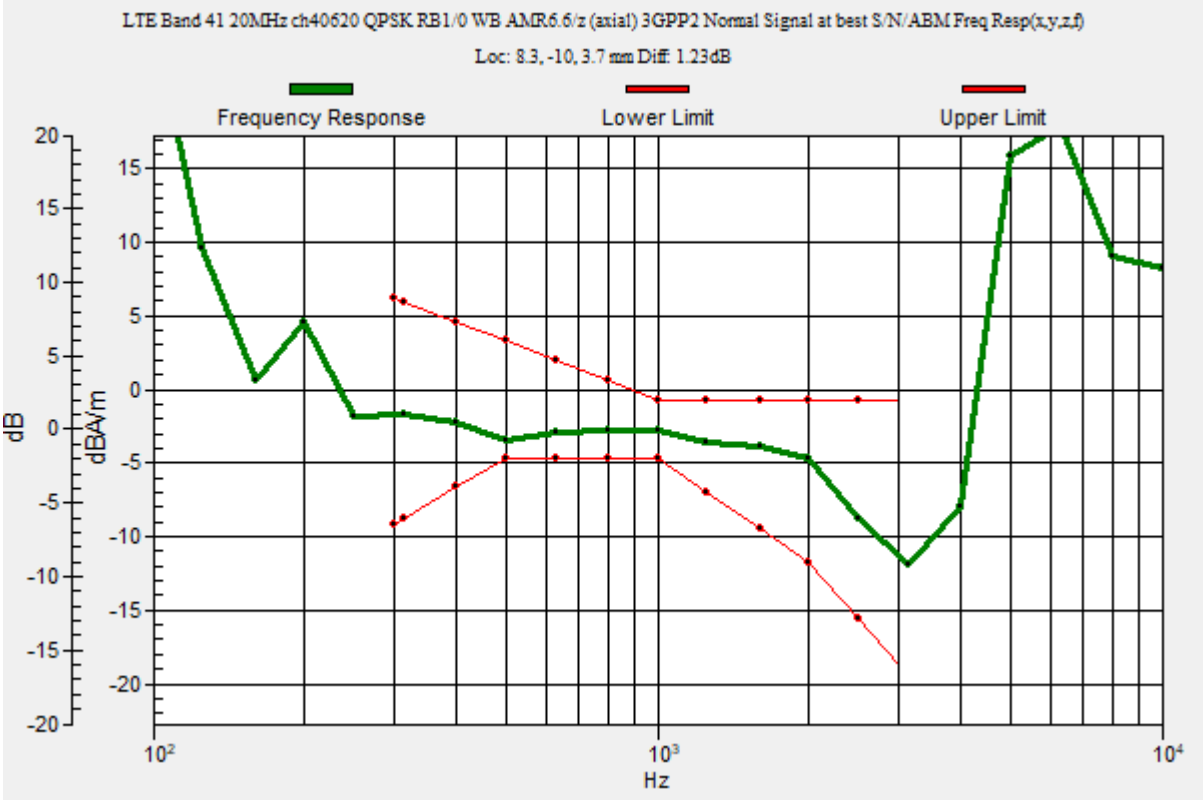
Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59956

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20MHz ch40620 QPSK RB1/0 WB AMR6.6/z (axial) 3GPP2 Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 52.36
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.23 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



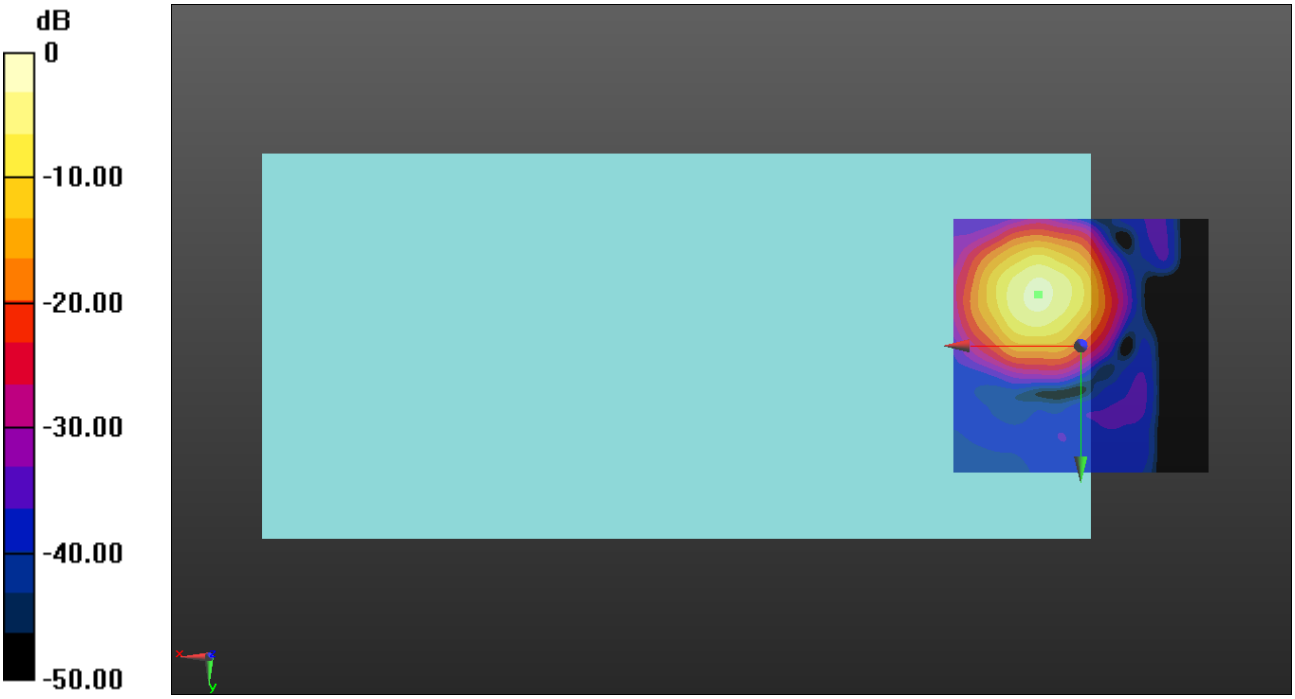
# VoLTE TDD

Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59956
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20MHz ch40620 QPSK RB1/0 WB AMR6.6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 24.84 dB
ABM1 = -2.07 dBA/m
ABM2 = -26.91 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

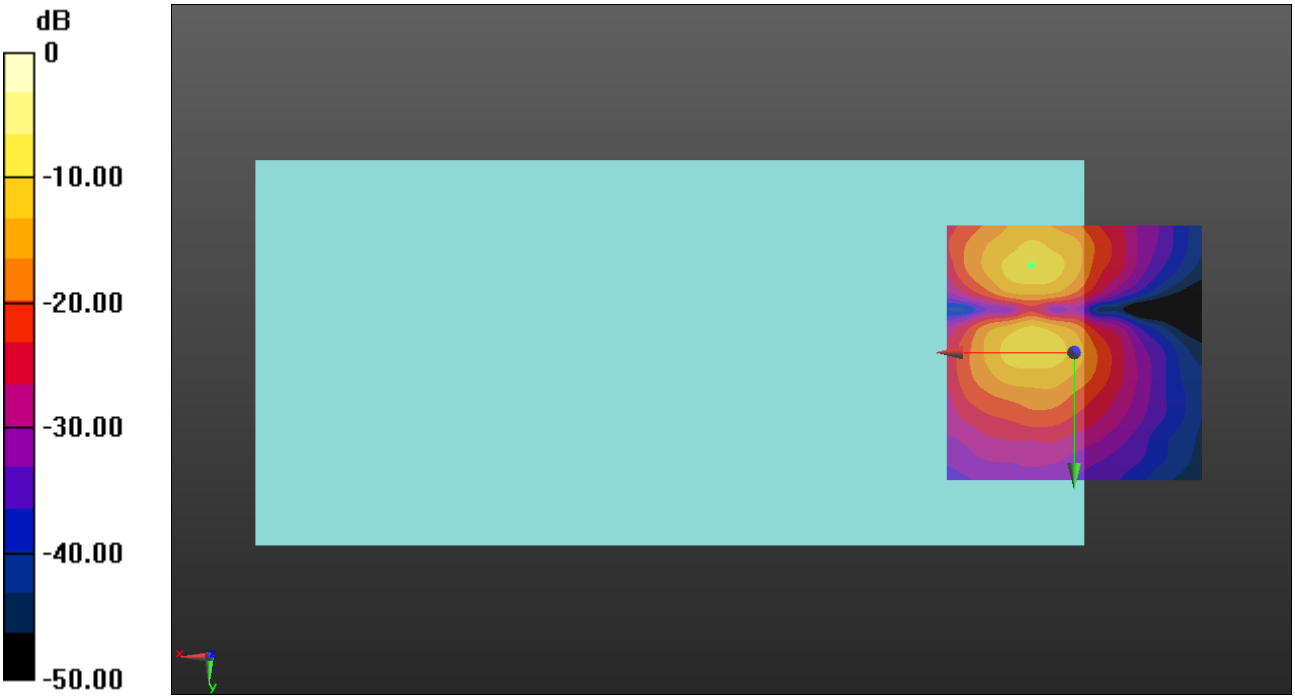
# VoLTE TDD

Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59956
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20MHz ch40620 QPSK RB1/0 WB AMR6.6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 24.32
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 23.28 dB
ABM1 = -10.77 dBA/m
ABM2 = -34.05 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoWiFi

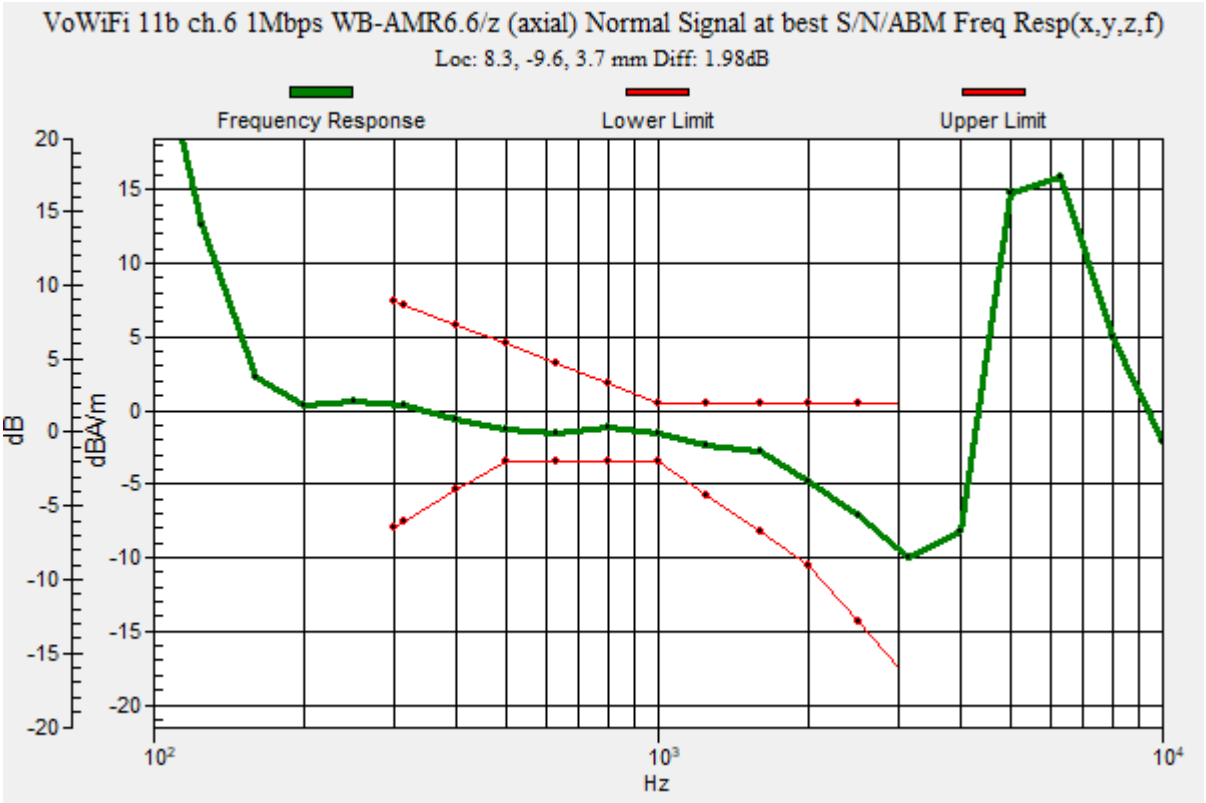
Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz;Duty Cycle: 1:1

## VoWiFi/VoWiFi 11b ch.6 1Mbps WB-AMR6.6/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 46.66
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.98 dB
BWC Factor = 10.80 dB
Location: 8.3, -9.6, 3.7 mm



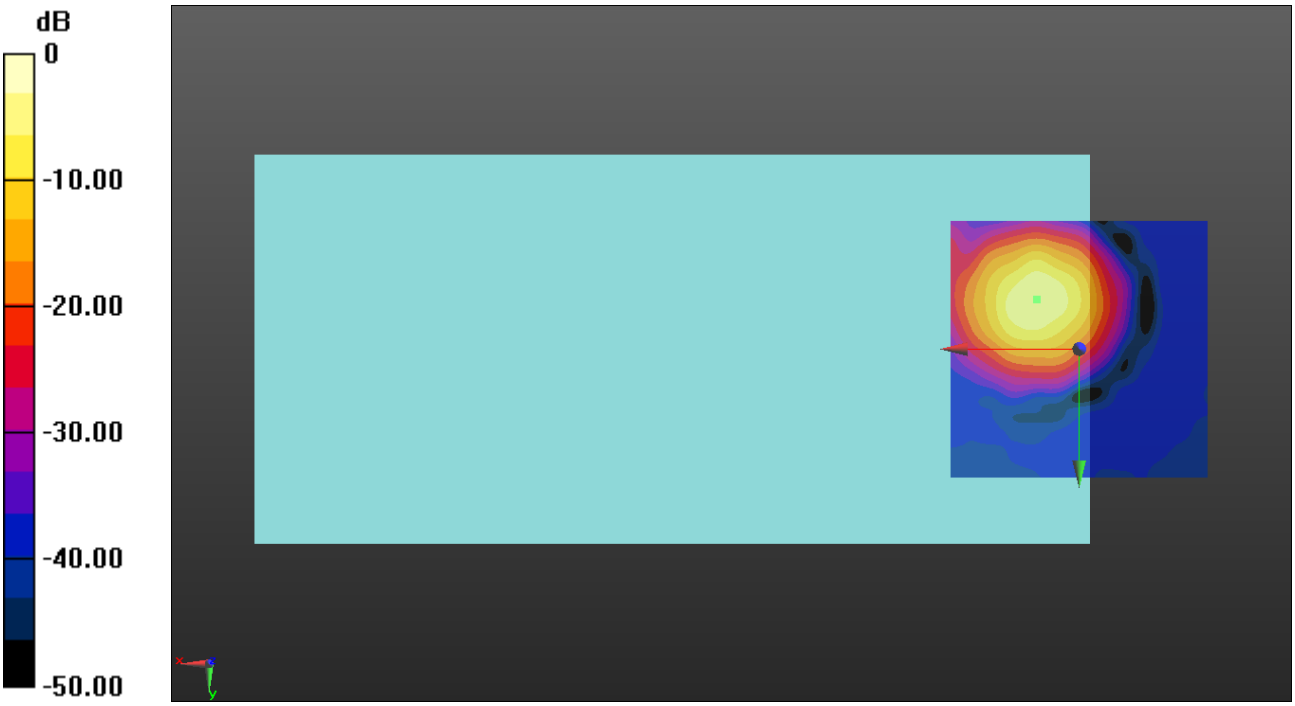
# VoWiFi

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11b ch.6 1Mbps WB-AMR6.6/z (axial) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 35.24 dB
ABM1 = -3.45 dBA/m
ABM2 = -38.69 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

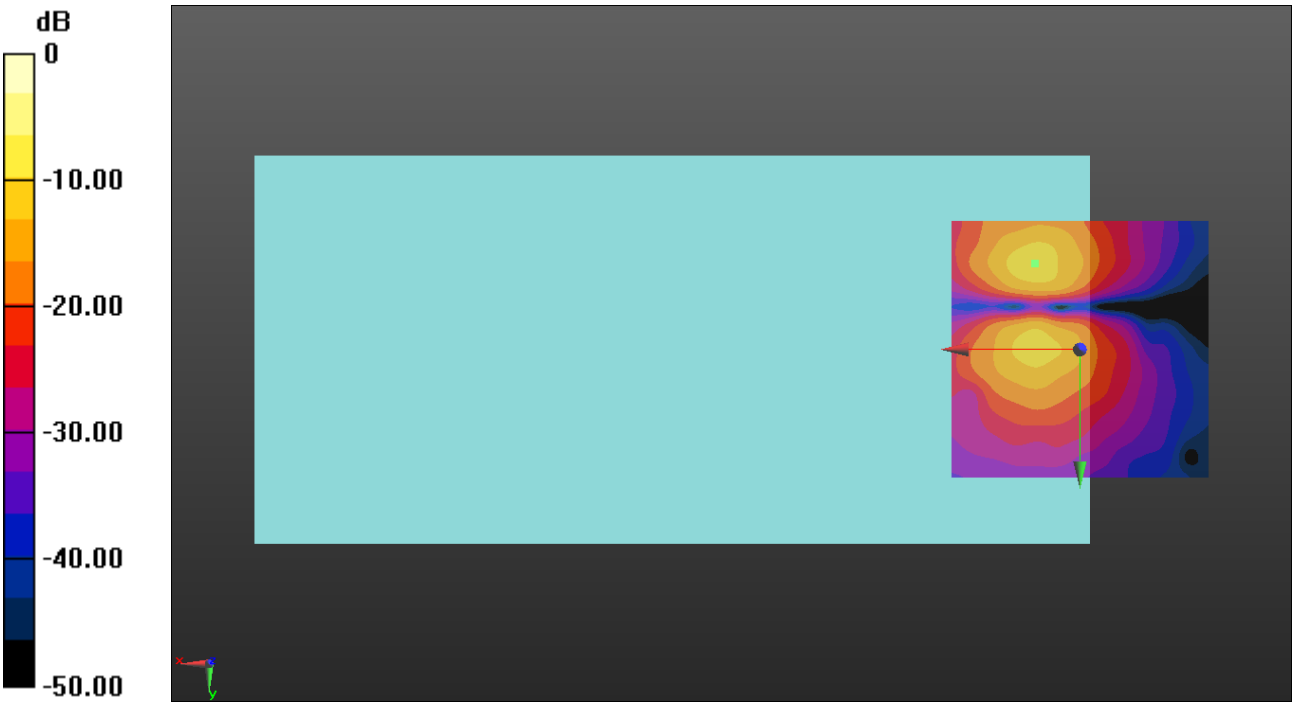
# VoWiFi

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11b ch.6 1Mbps WB-AMR6.6/y (transversal) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 31.97 dB
ABM1 = -10.85 dBA/m
ABM2 = -42.82 dBA/m
BWC Factor = 0.16 dB
Location: 8.8, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoWiFi

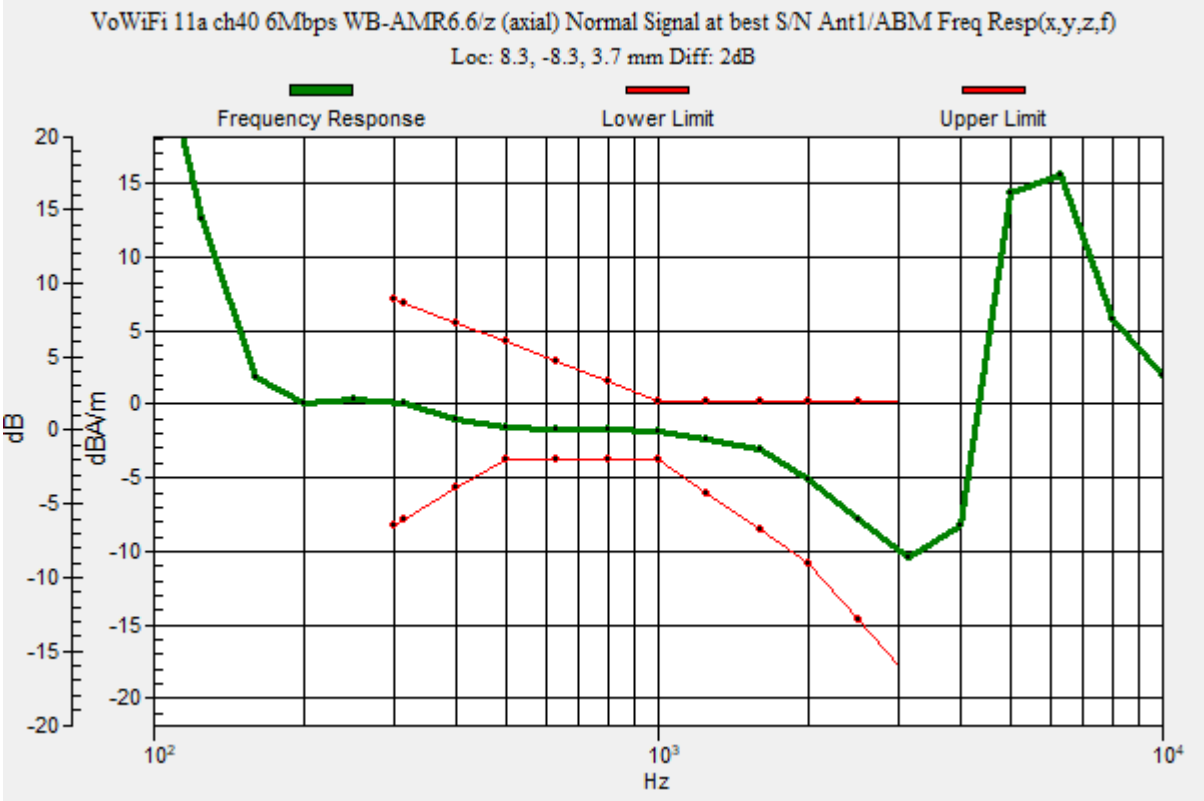
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz;Duty Cycle: 1:1

## VoWiFi/VoWiFi 11a ch40 6Mbps WB-AMR6.6/z (axial) Normal Signal at best S/N Ant1/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 46.66
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 8.3, -8.3, 3.7 mm



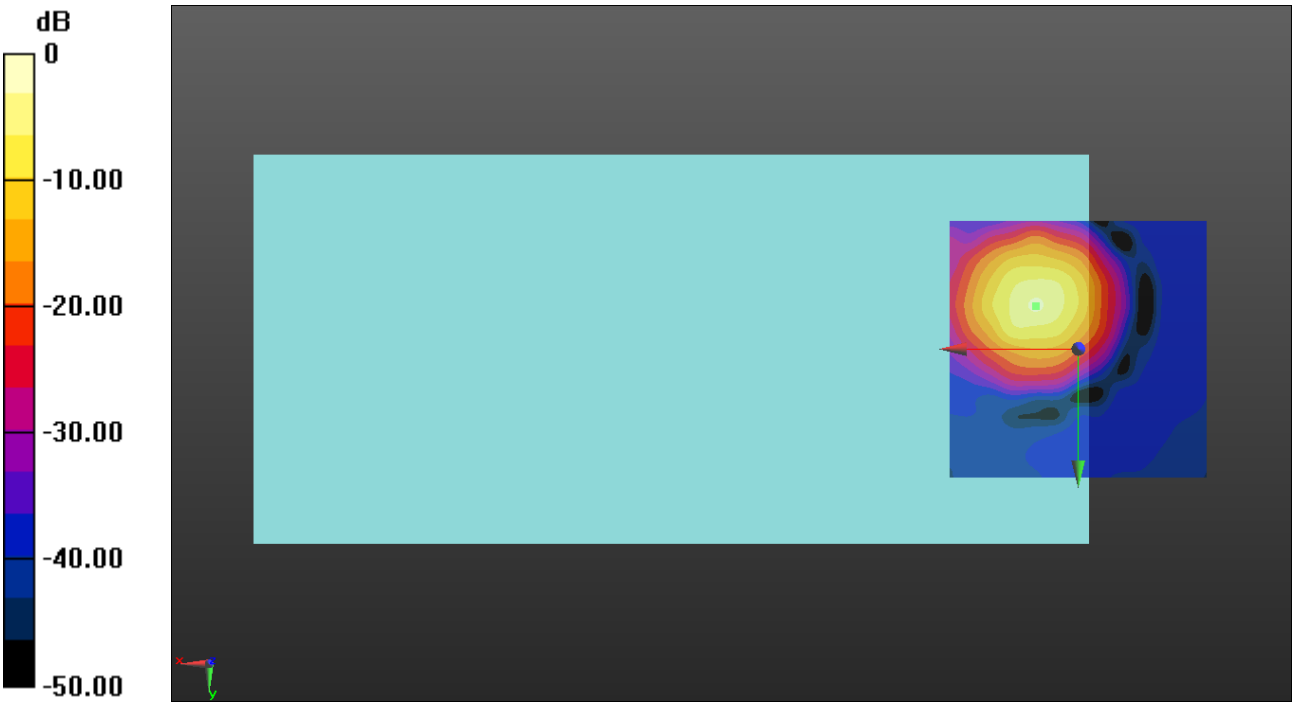
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch40 6Mbps WB-AMR6.6/z (axial) 4.2mm 50x50 Ant1/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.75 dB
ABM1 = -2.81 dBA/m
ABM2 = -44.56 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -8.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

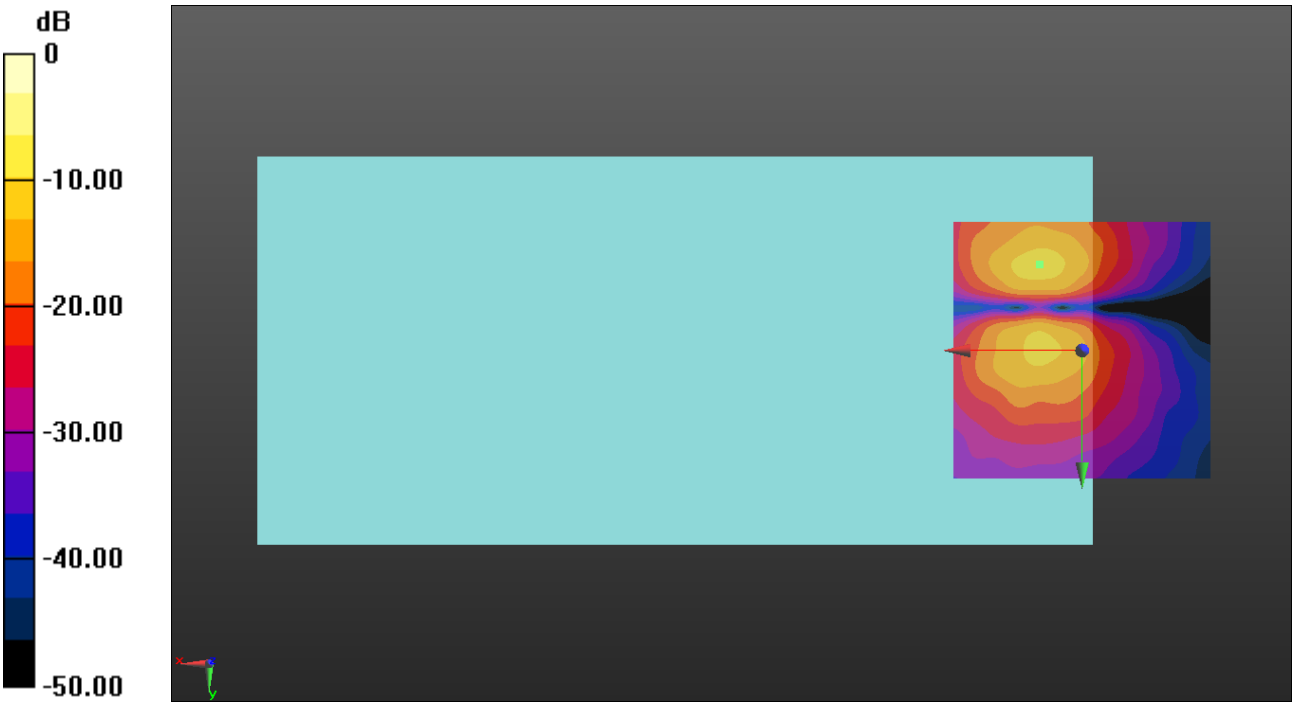
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch40 6Mbps WB-AMR6.6/y (transversal) 4.2mm 50x50 Ant1/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 34.93 dB
ABM1 = -11.39 dBA/m
ABM2 = -46.32 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoWiFi

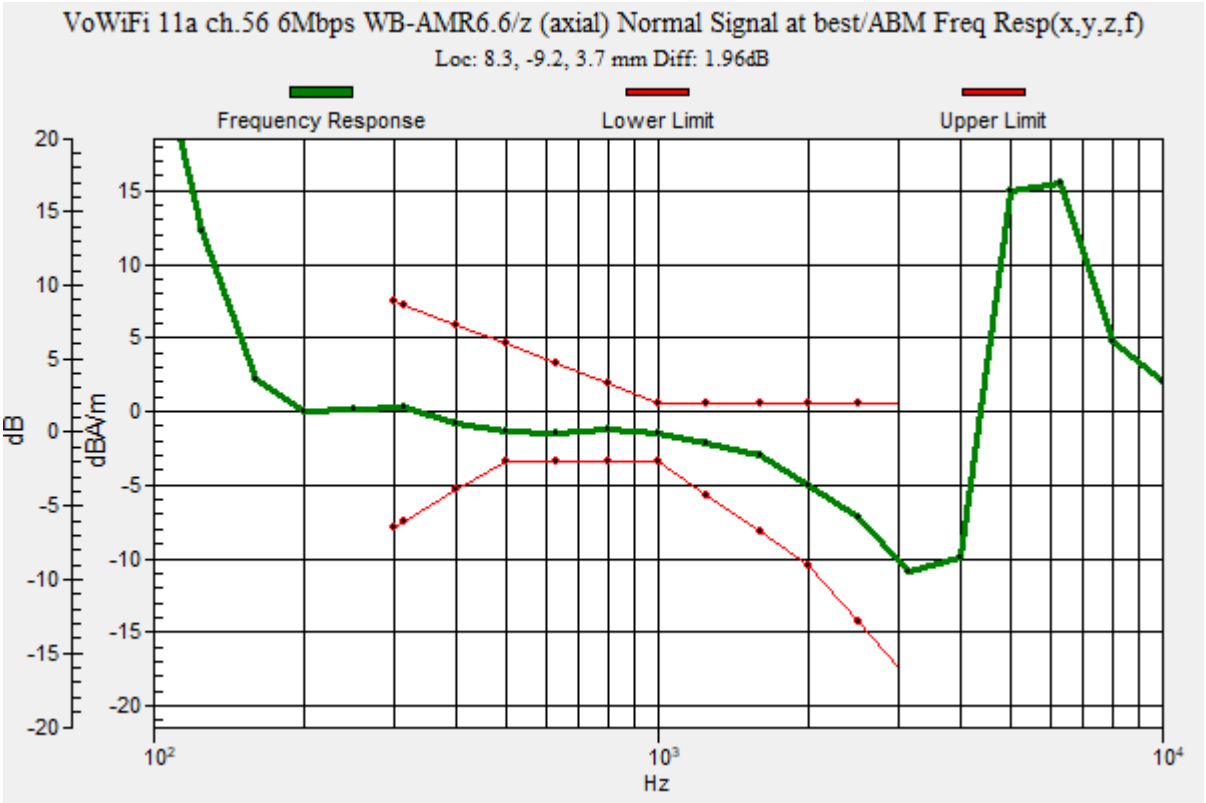
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz;Duty Cycle: 1:1

## VoWiFi/VoWiFi 11a ch.56 6Mbps WB-AMR6.6/z (axial) Normal Signal at best/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 46.66
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.96 dB
BWC Factor = 10.80 dB
Location: 8.3, -9.2, 3.7 mm



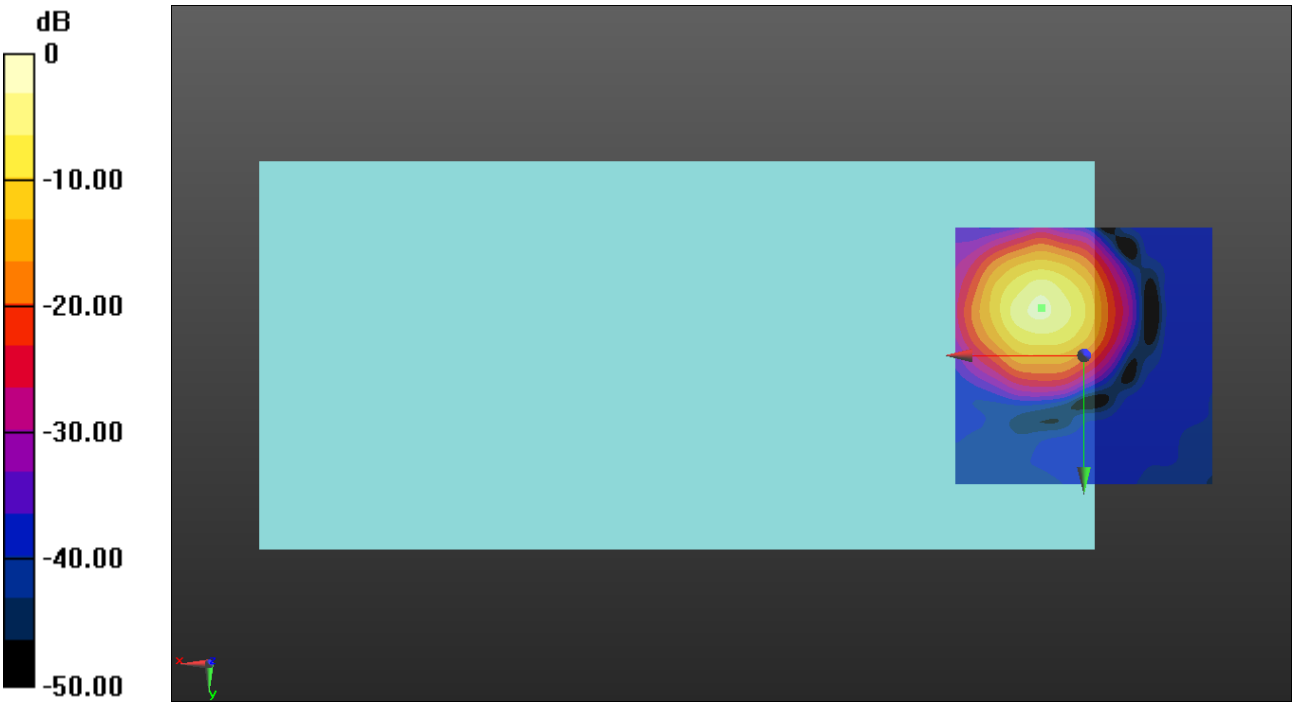
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch.56 6Mbps WB-AMR6.6/z (axial) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.76 dB
ABM1 = -2.42 dBA/m
ABM2 = -44.18 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -9.2, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

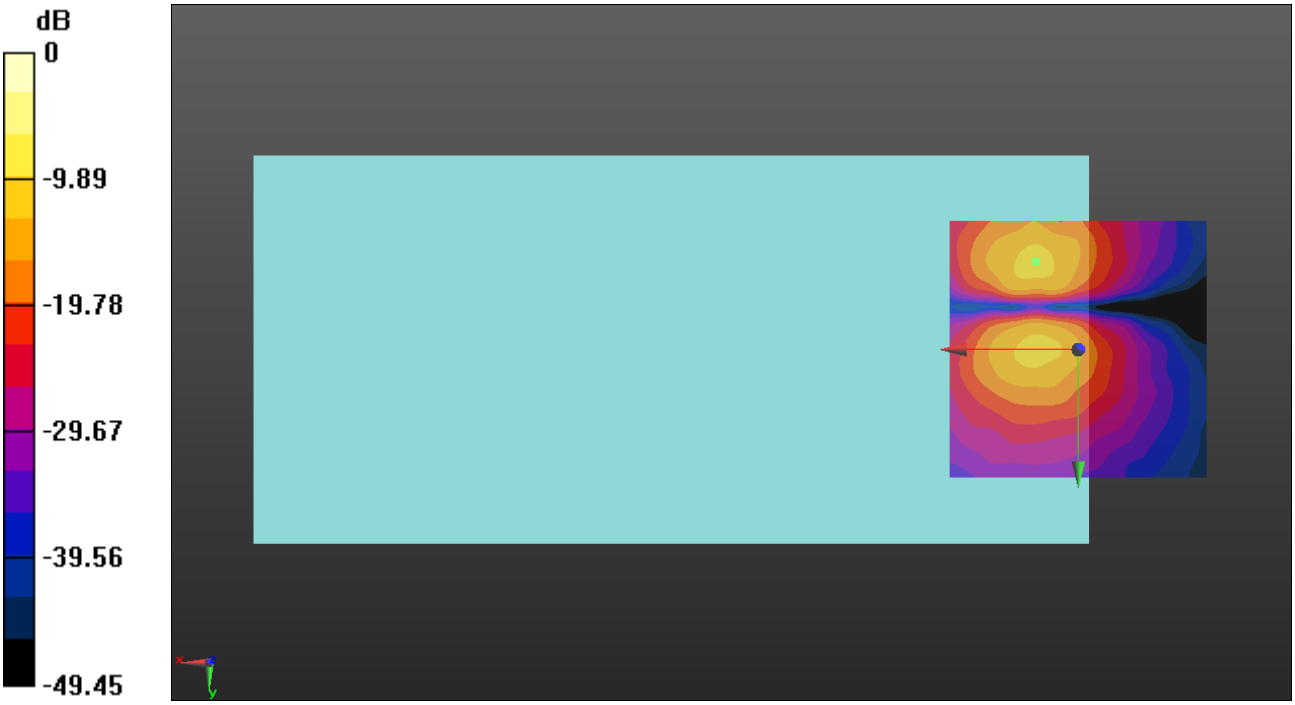
## VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch.56 6Mbps WB-AMR6.6/y (transversal) 4.2mm 50x50/ABM

**Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.31 dB
ABM1 = -11.44 dBA/m
ABM2 = -47.75 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

## VoWiFi

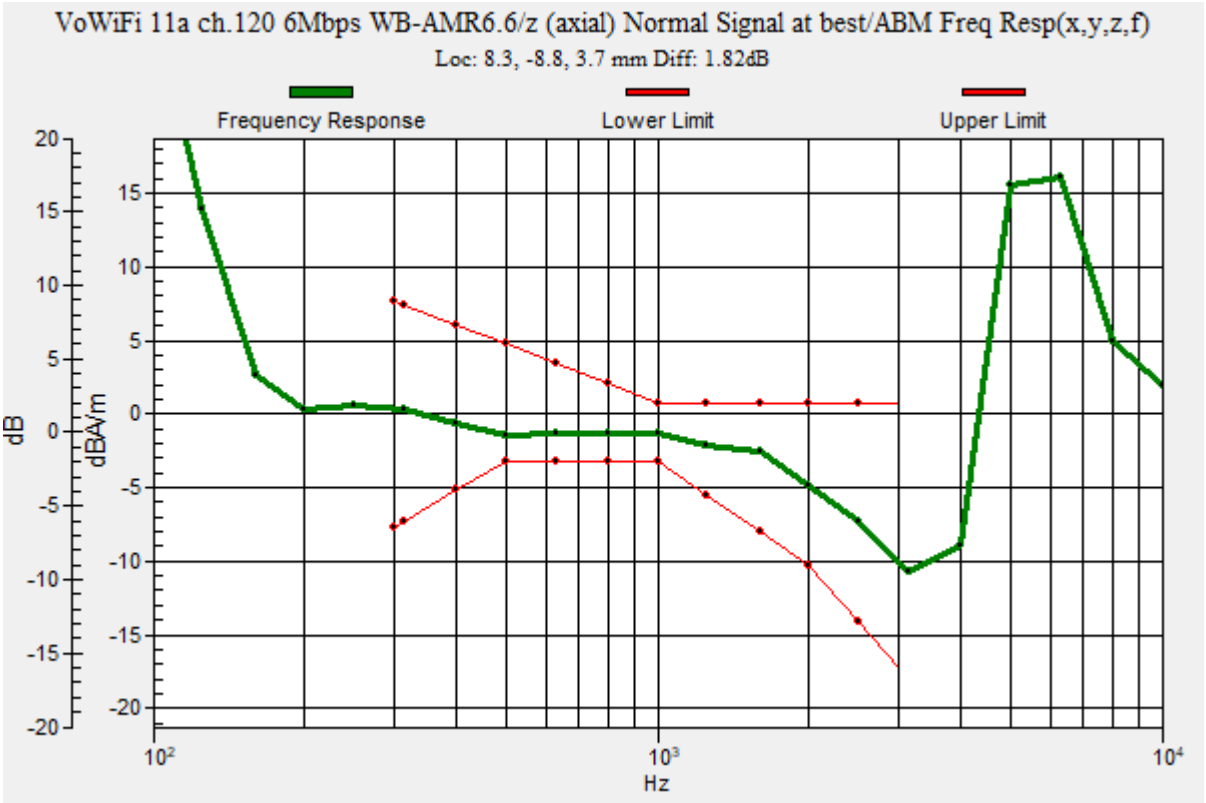
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz;Duty Cycle: 1:1

## VoWiFi/VoWiFi 11a ch.120 6Mbps WB-AMR6.6/z (axial) Normal Signal at best/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 46.66
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.82 dB
BWC Factor = 10.80 dB
Location: 8.3, -8.8, 3.7 mm



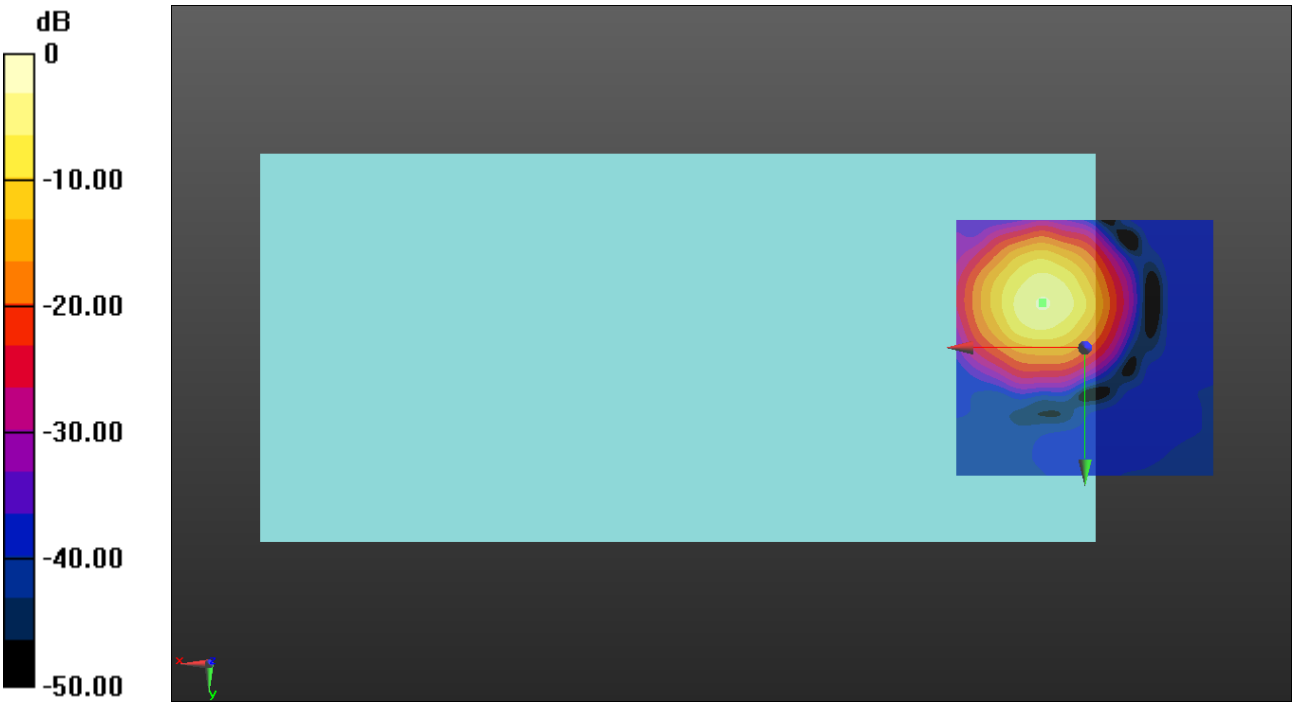
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch.120 6Mbps WB-AMR6.6/z (axial) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.48 dB
ABM1 = -3.01 dBA/m
ABM2 = -44.49 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -8.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

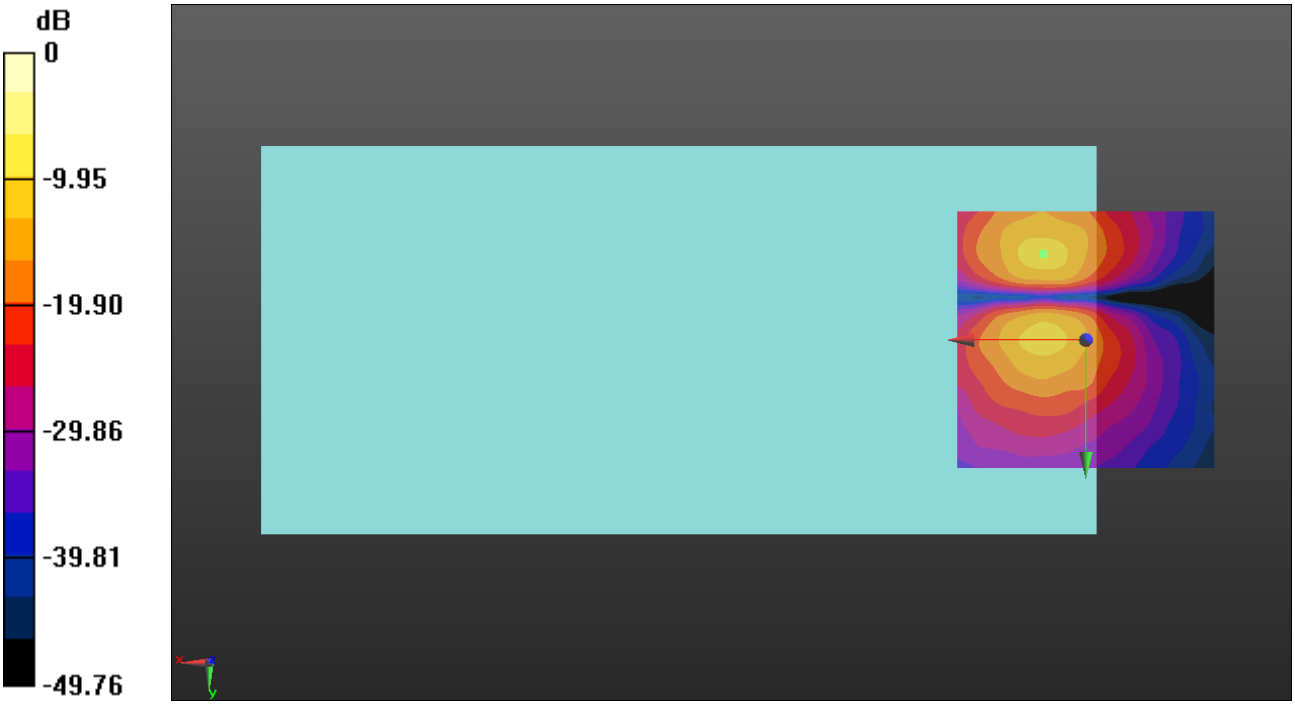
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch.120 6Mbps WB-AMR6.6/y (transversal) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 35.51 dB
ABM1 = -11.60 dBA/m
ABM2 = -47.11 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# VoWiFi

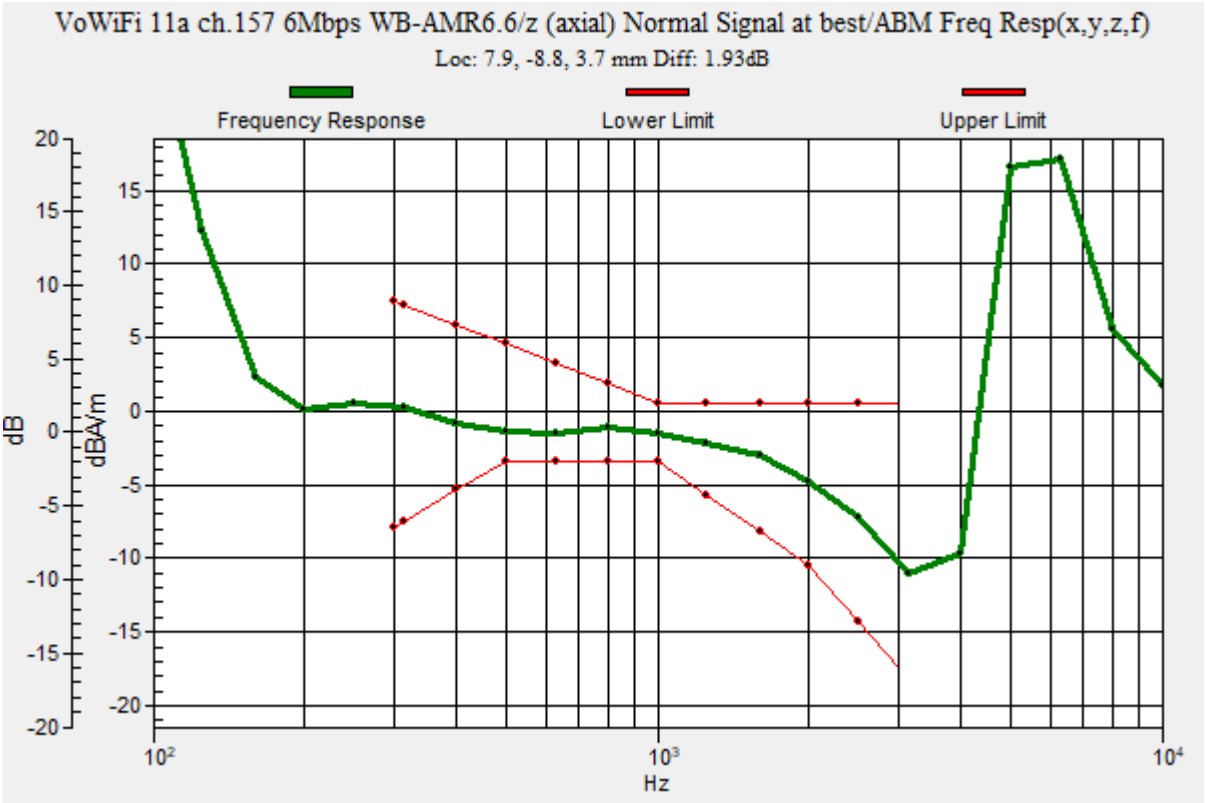
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz;Duty Cycle: 1:1

## VoWiFi/VoWiFi 11a ch.157 6Mbps WB-AMR6.6/z (axial) Normal Signal at best/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 46.66
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.93 dB
BWC Factor = 10.80 dB
Location: 7.9, -8.8, 3.7 mm



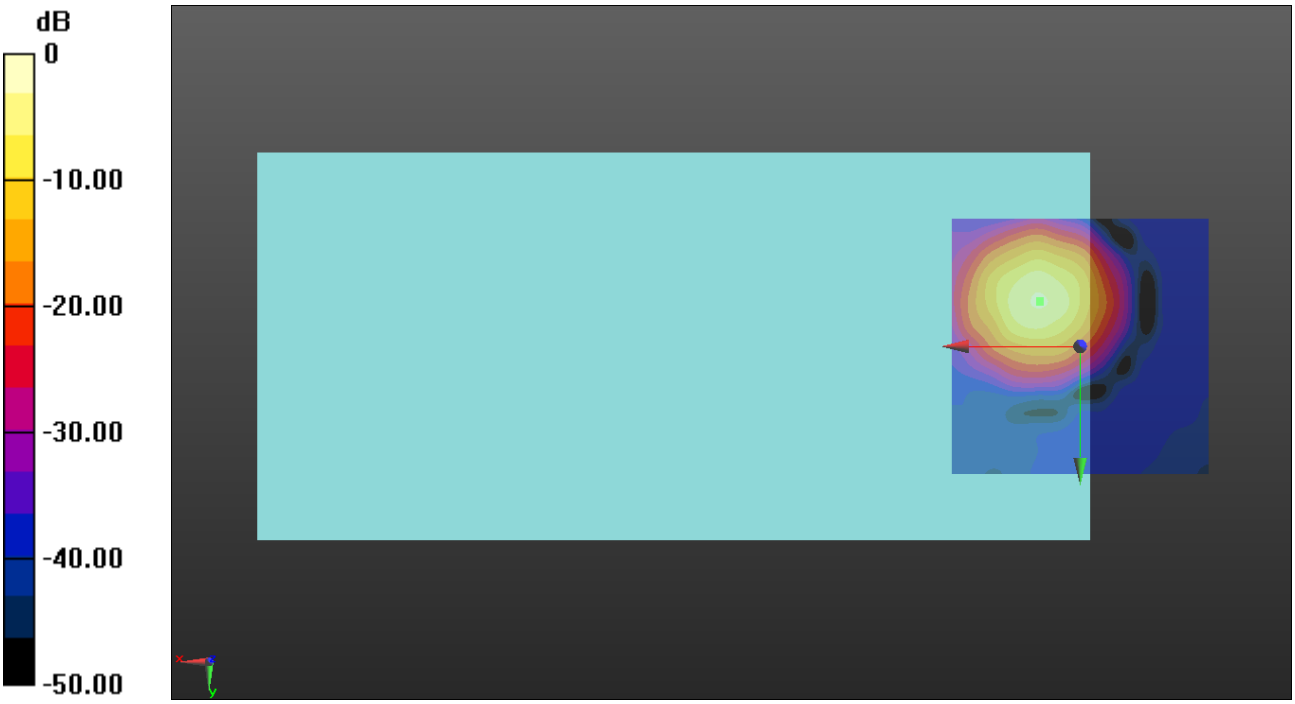
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch.157 6Mbps WB-AMR6.6/z (axial) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.03 dB
ABM1 = -3.01 dBA/m
ABM2 = -44.04 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -8.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

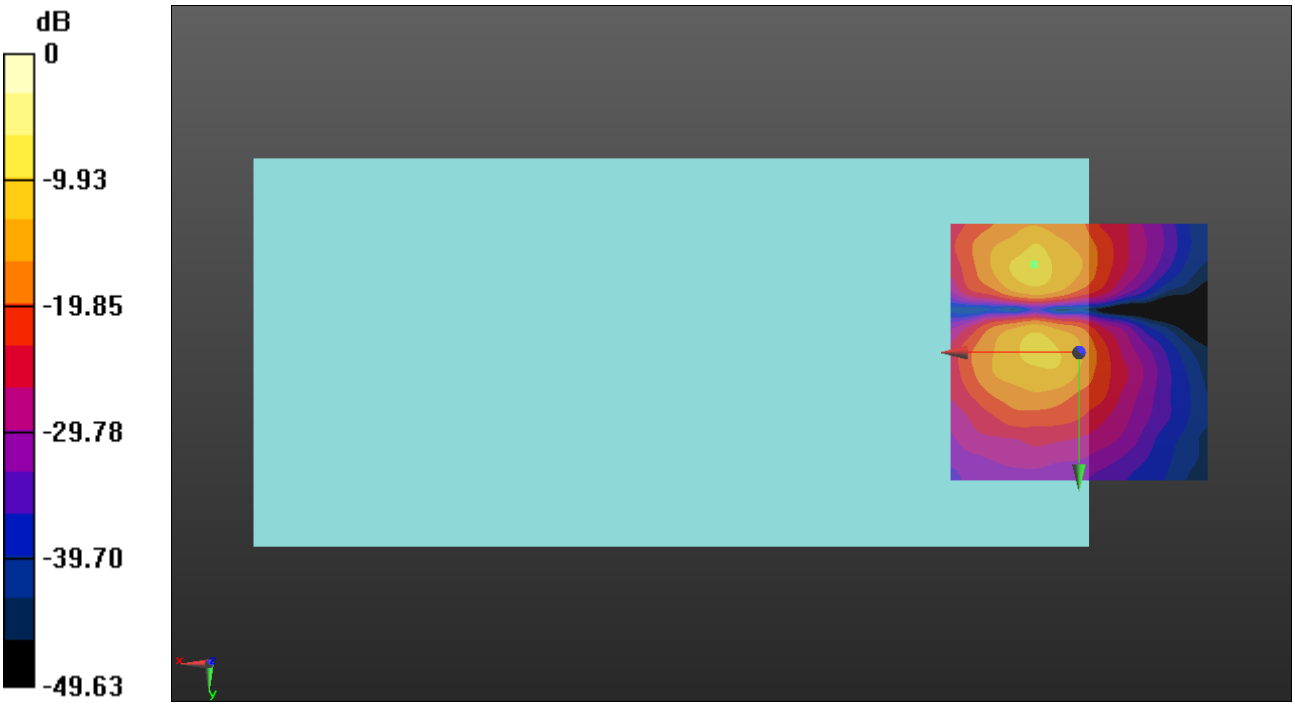
# VoWiFi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## VoWiFi/VoWiFi 11a ch.157 6Mbps WB-AMR6.6/y (transversal) 4.2mm 50x50/ABM Interpolated Signal(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: 15.35
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 34.97 dB
ABM1 = -11.57 dBA/m
ABM2 = -46.54 dBA/m
BWC Factor = 0.16 dB
Location: 8.8, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT EDGE

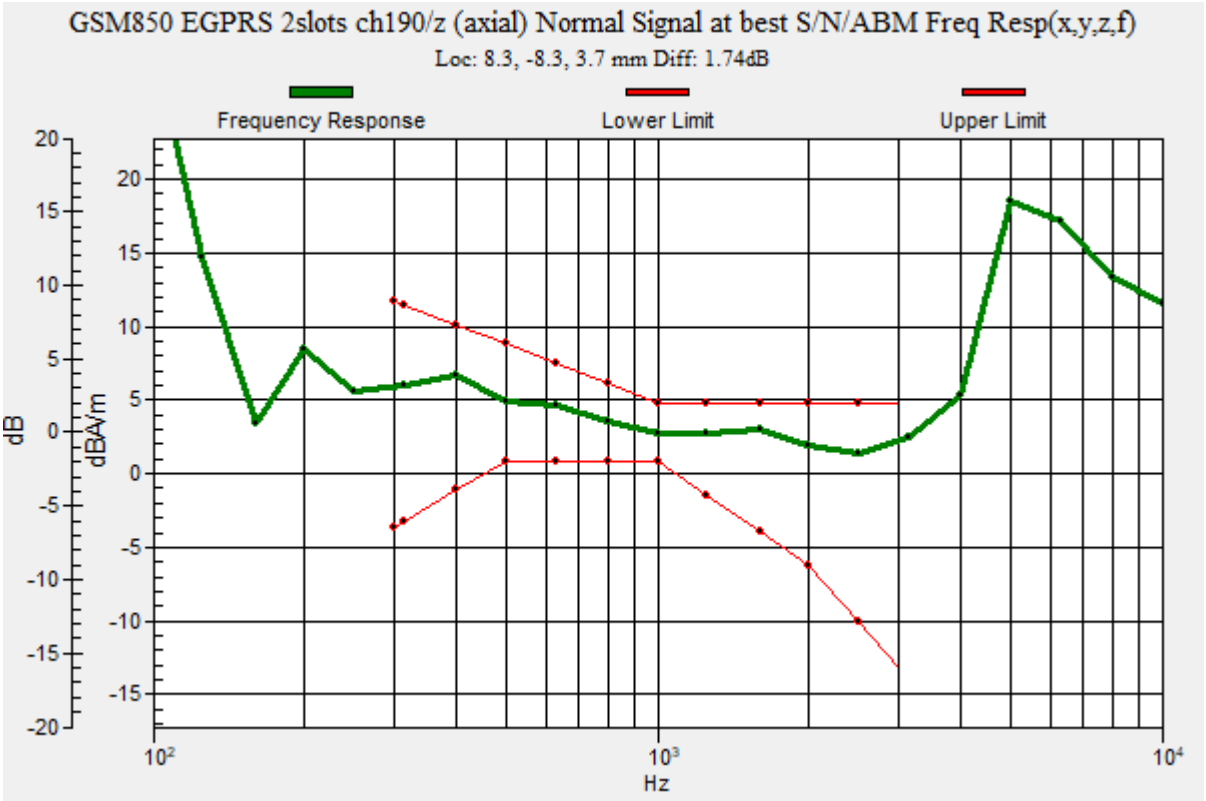
Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 EGPRS 2slots ch190/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.74 dB
BWC Factor = 10.80 dB
Location: 8.3, -8.3, 3.7 mm



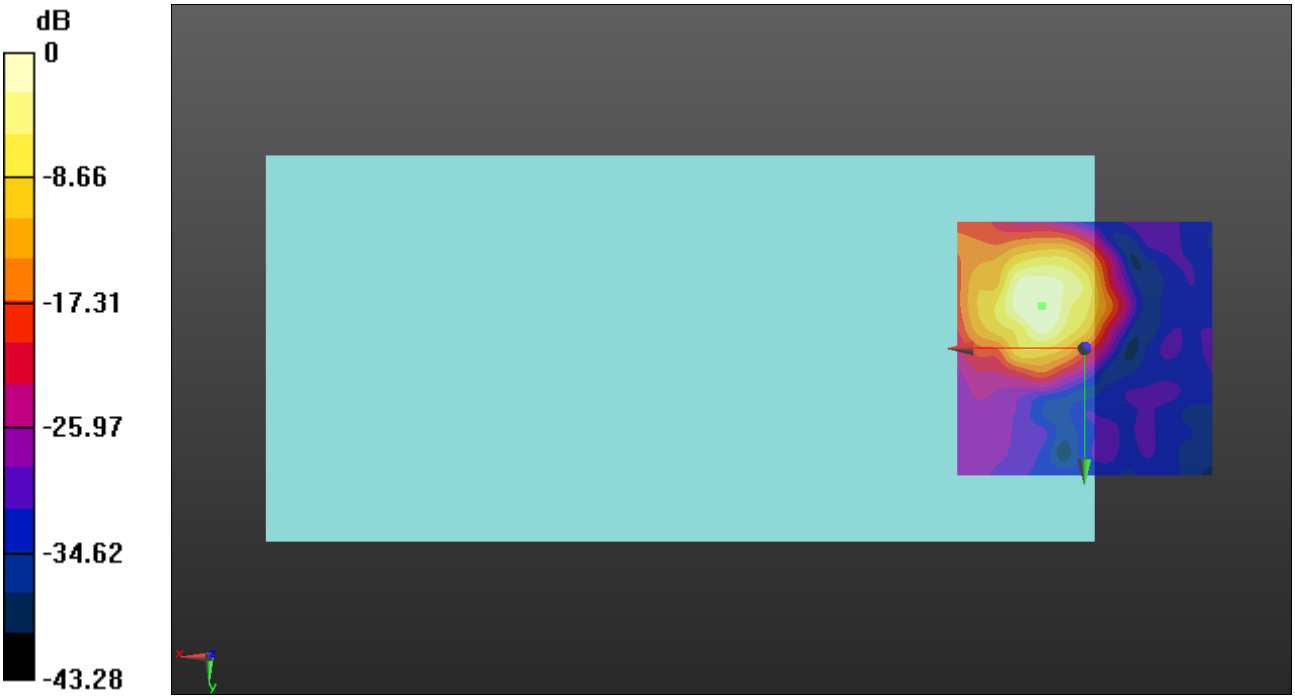
# OTT EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.00037
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 EGPRS 2slots ch190/z (axial) 4.2mm 50x50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 23.48 dB
ABM1 = 3.83 dBA/m
ABM2 = -19.65 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -8.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

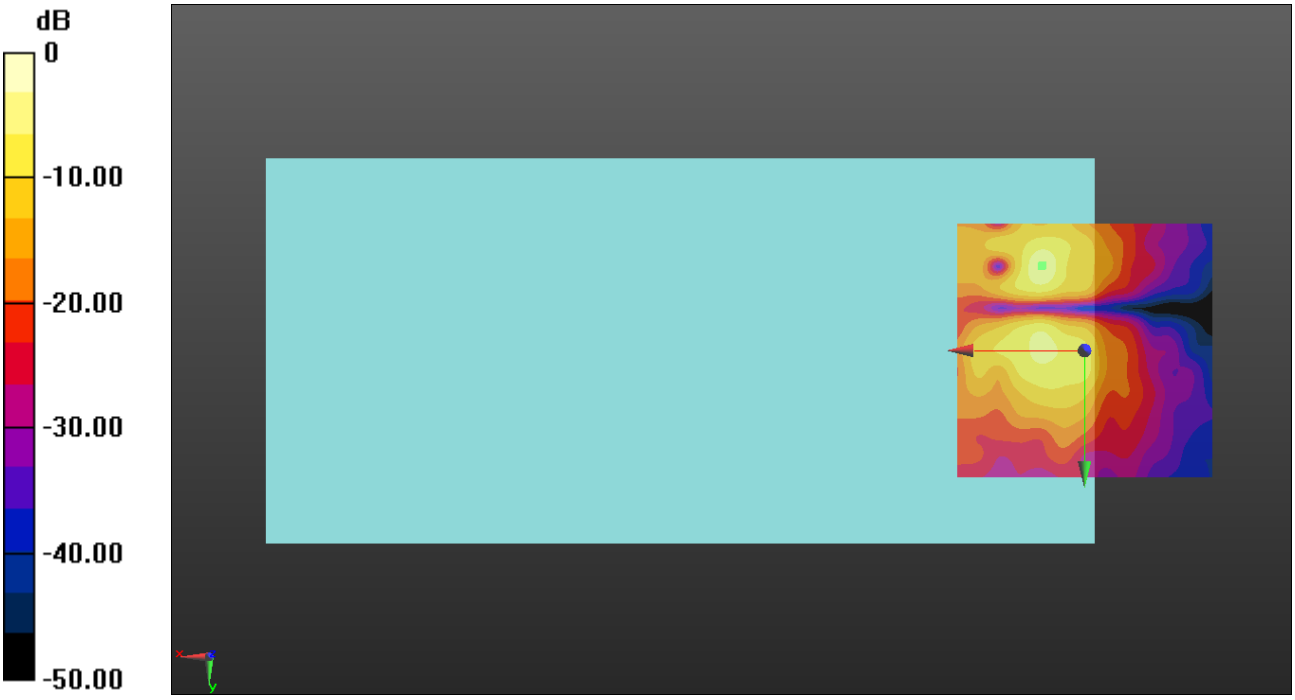
# OTT EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.00037
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM850 EGPRS 2slots ch190/y (transversal) 4.2mm 50x50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 25.56 dB
ABM1 = -3.46 dBA/m
ABM2 = -29.02 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT EDGE

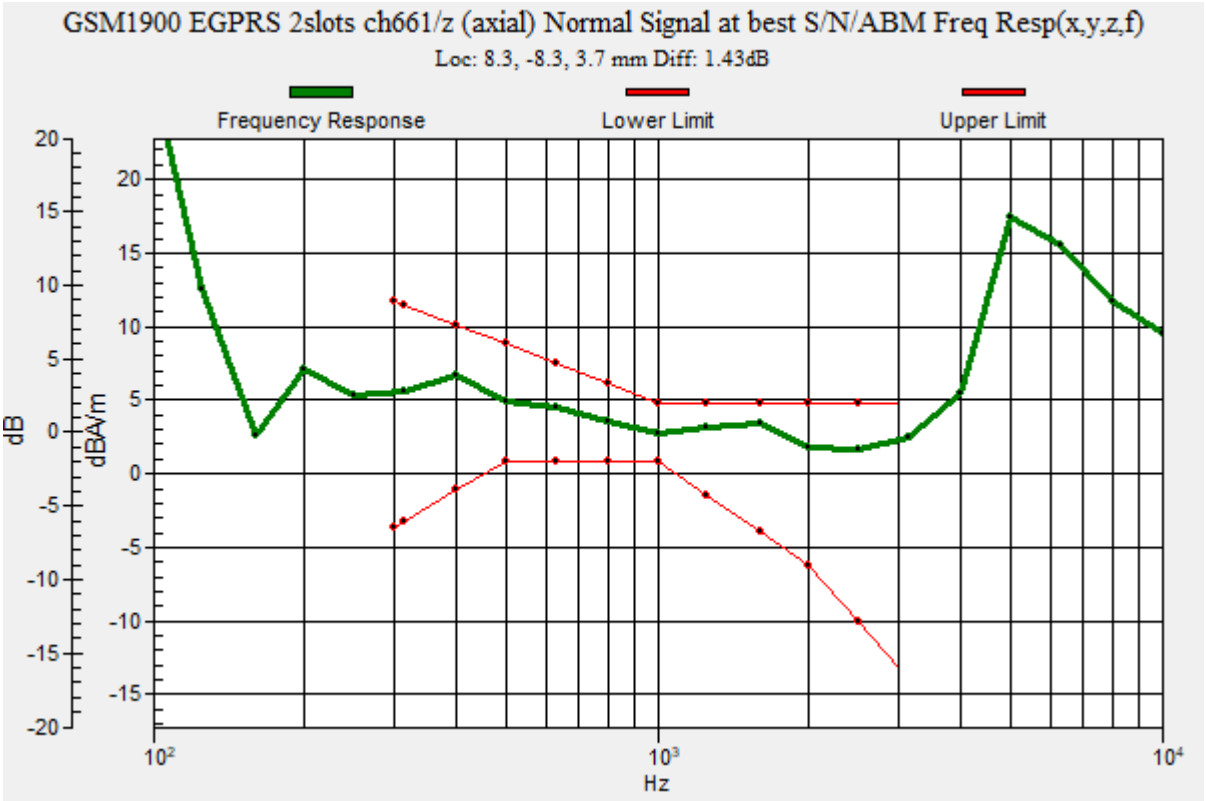
Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1880 MHz;Duty Cycle: 1:4.00037

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 EGPRS 2slots ch661/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.43 dB
BWC Factor = 10.80 dB
Location: 8.3, -8.3, 3.7 mm



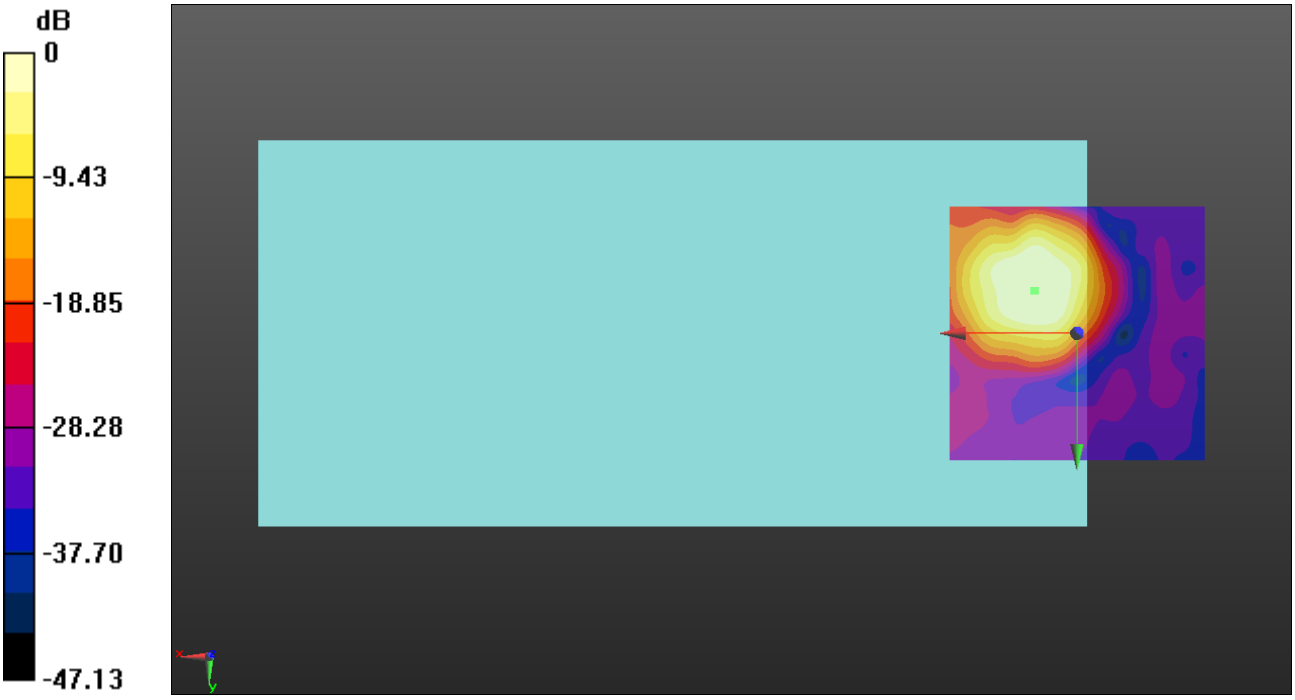
# OTT EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 EGPRS 2slots ch661/z (axial) 4.2mm 50x50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 27.01 dB
ABM1 = 5.25 dBA/m
ABM2 = -21.76 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -8.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

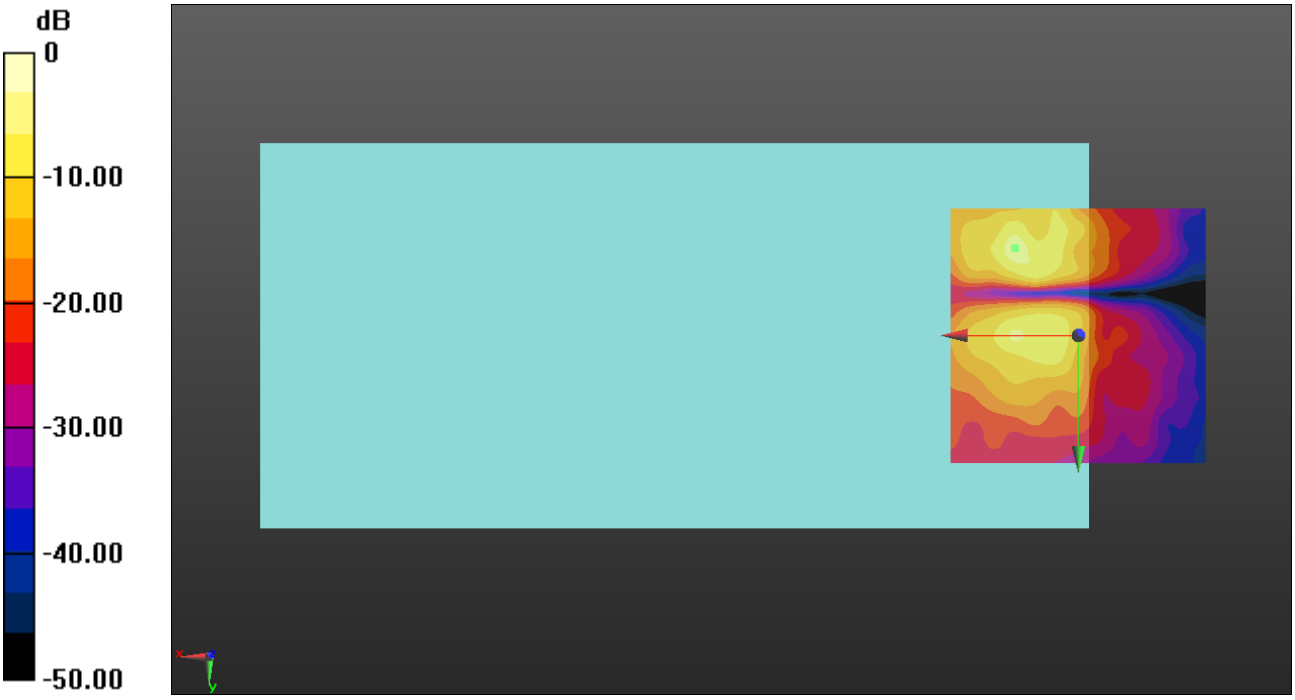
# OTT EDGE

Communication System: UID 0, GPRS-FDD (TDMA, GMSK, 2 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:4.00037
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM1900 EGPRS 2slots ch661/y (transversal) 4.2mm 50x50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 24.00 dB
ABM1 = -4.94 dBA/m
ABM2 = -28.94 dBA/m
BWC Factor = 0.16 dB
Location: 12.5, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT HSUPA

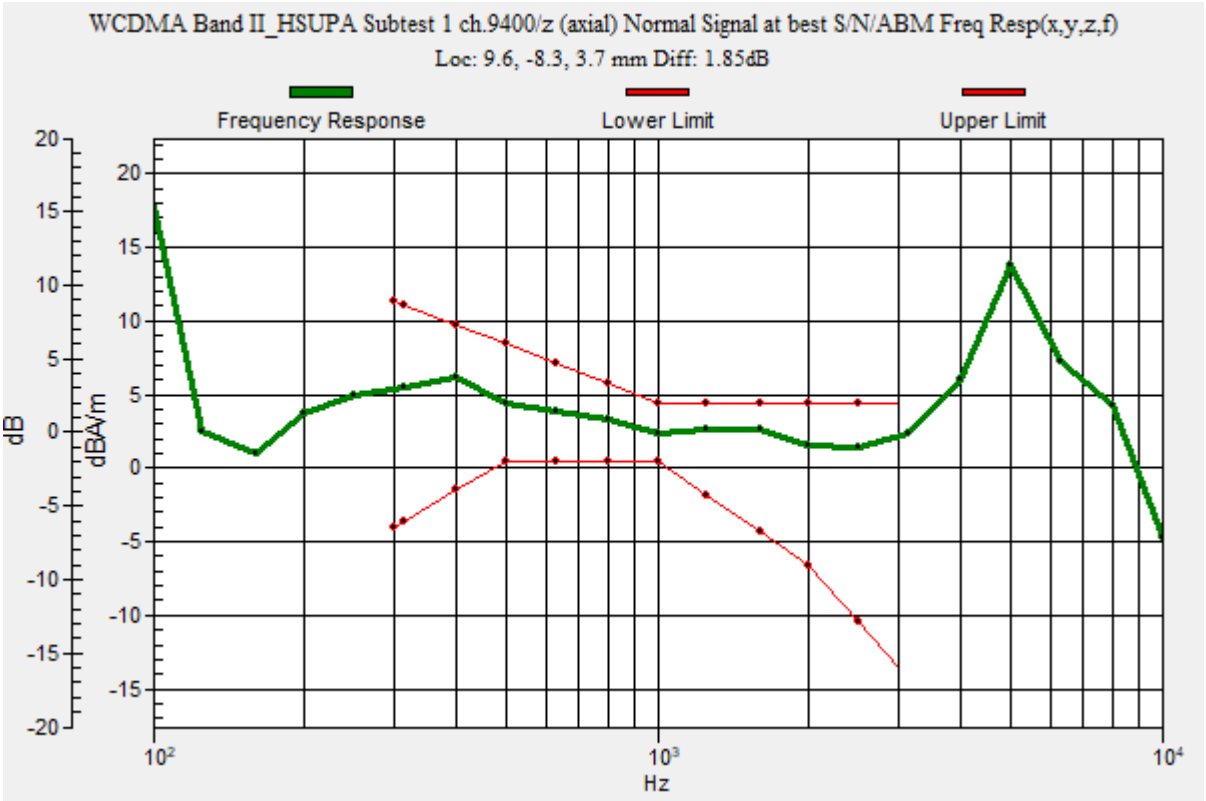
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band II_HSUPA Subtest 1 ch.9400/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.85 dB
BWC Factor = 10.80 dB
Location: 9.6, -8.3, 3.7 mm



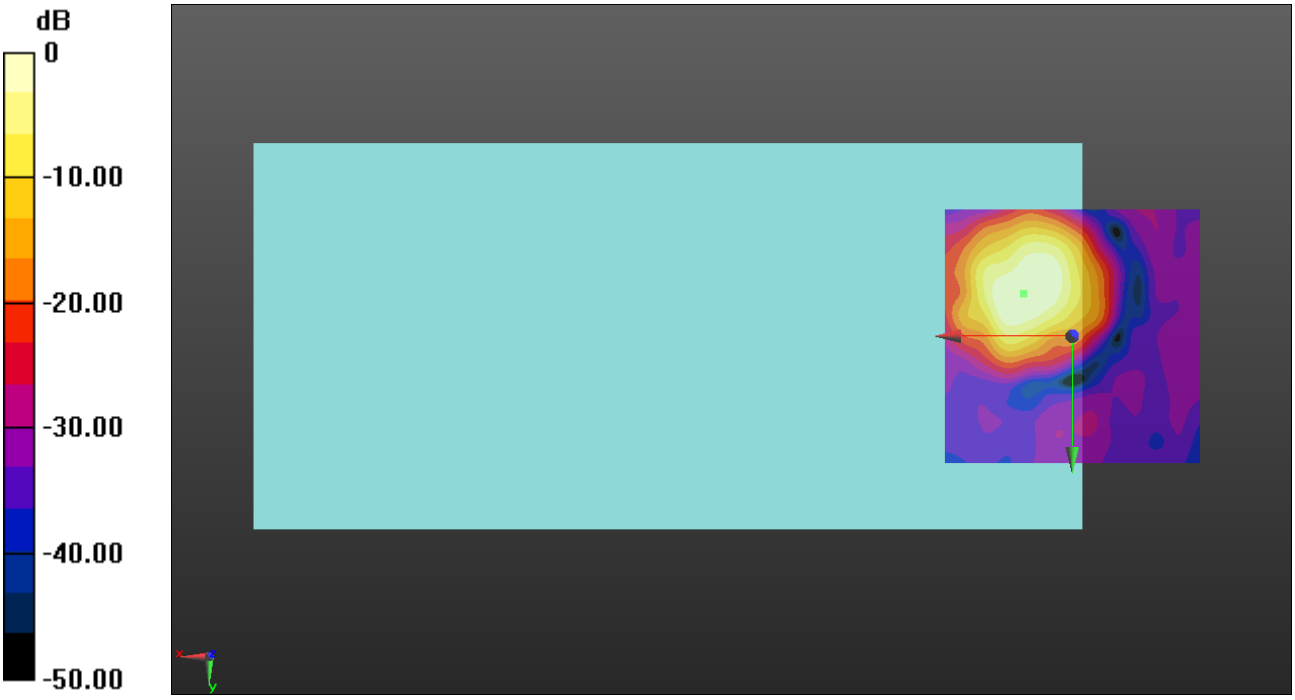
# OTT HSUPA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band II_HSUPA Subtest 1 ch.9400/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 46.52 dB
ABM1 = 2.87 dBA/m
ABM2 = -43.65 dBA/m
BWC Factor = 0.16 dB
Location: 9.6, -8.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

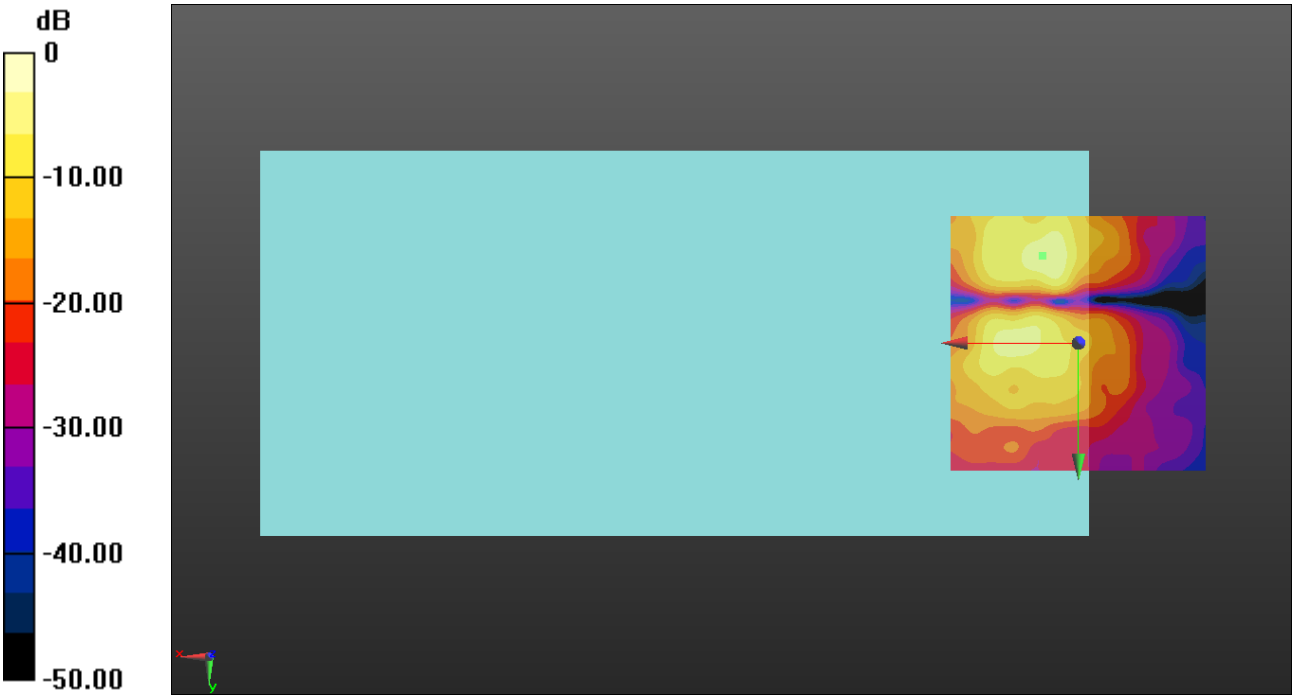
# OTT HSUPA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band II_HSUPA Subtest 1 ch.9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.87 dB
ABM1 = -3.72 dBA/m
ABM2 = -48.59 dBA/m
BWC Factor = 0.16 dB
Location: 7.1, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT HSUPA

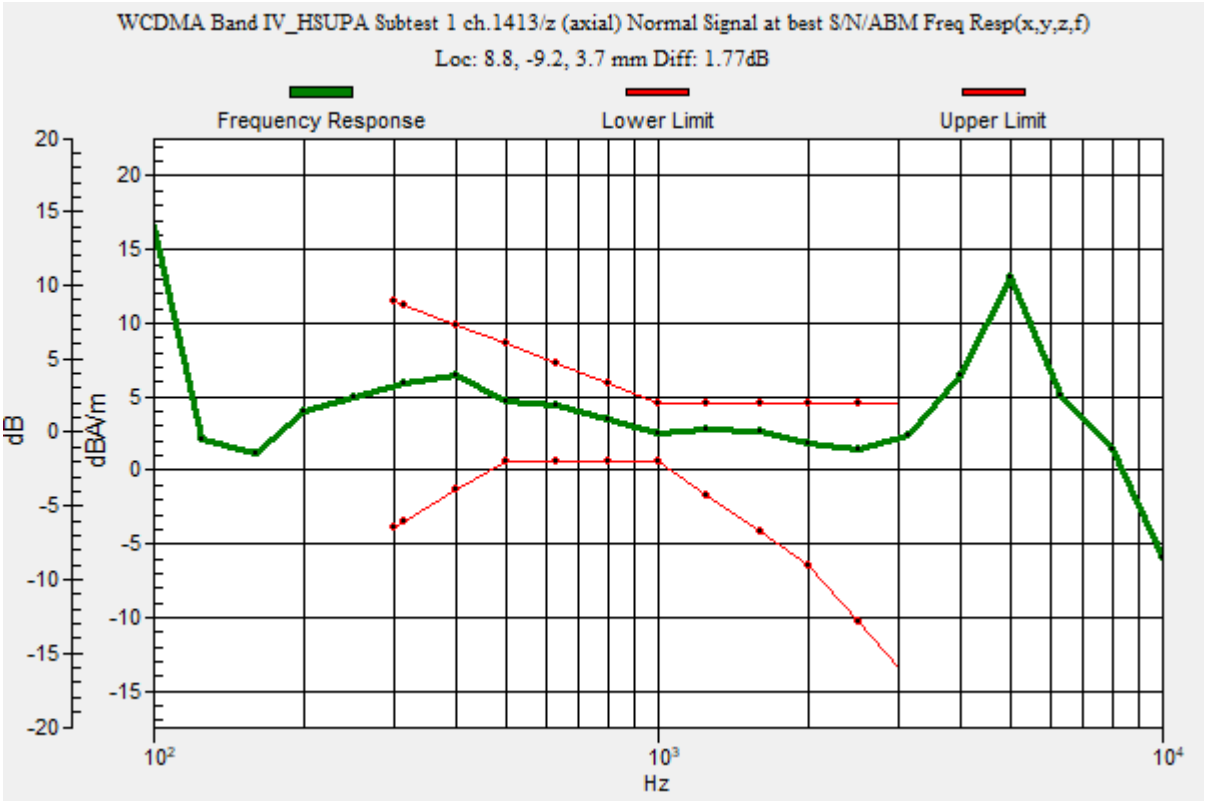
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band IV_HSUPA Subtest 1 ch.1413/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.77 dB
BWC Factor = 10.80 dB
Location: 8.8, -9.2, 3.7 mm



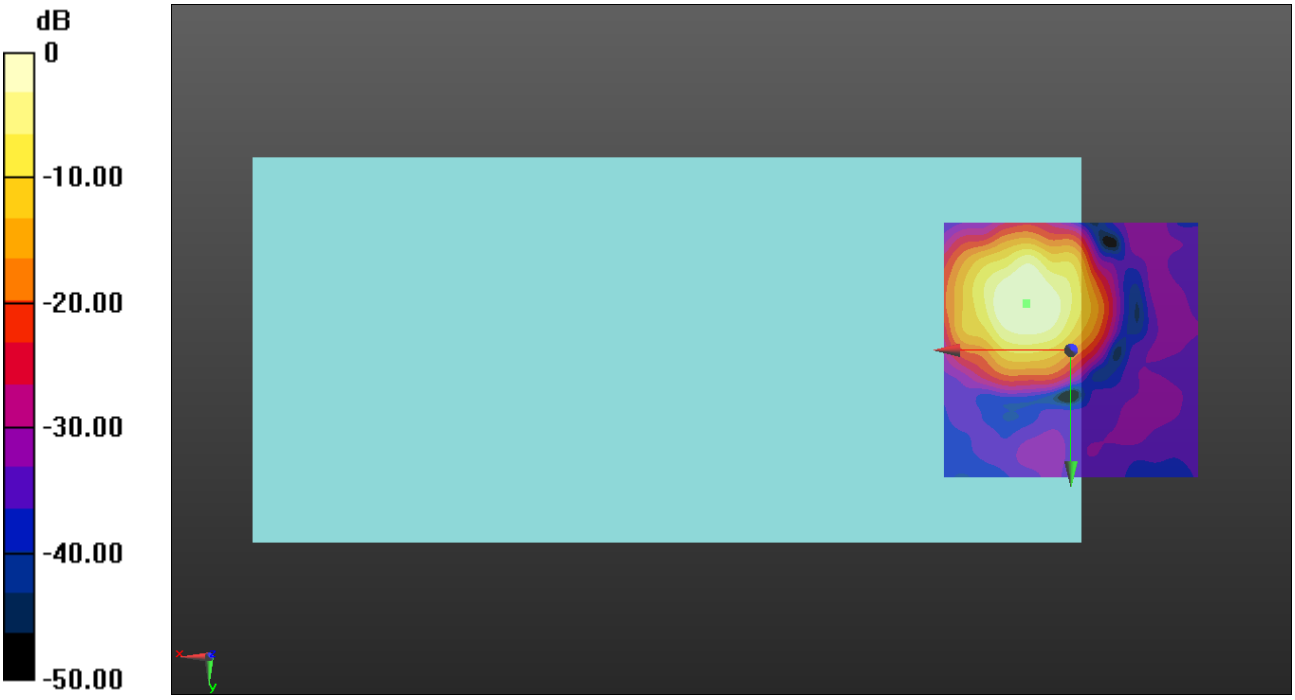
# OTT HSUPA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band IV_HSUPA Subtest 1 ch.1413/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 48.06 dB
ABM1 = 2.12 dBA/m
ABM2 = -45.94 dBA/m
BWC Factor = 0.16 dB
Location: 8.8, -9.2, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

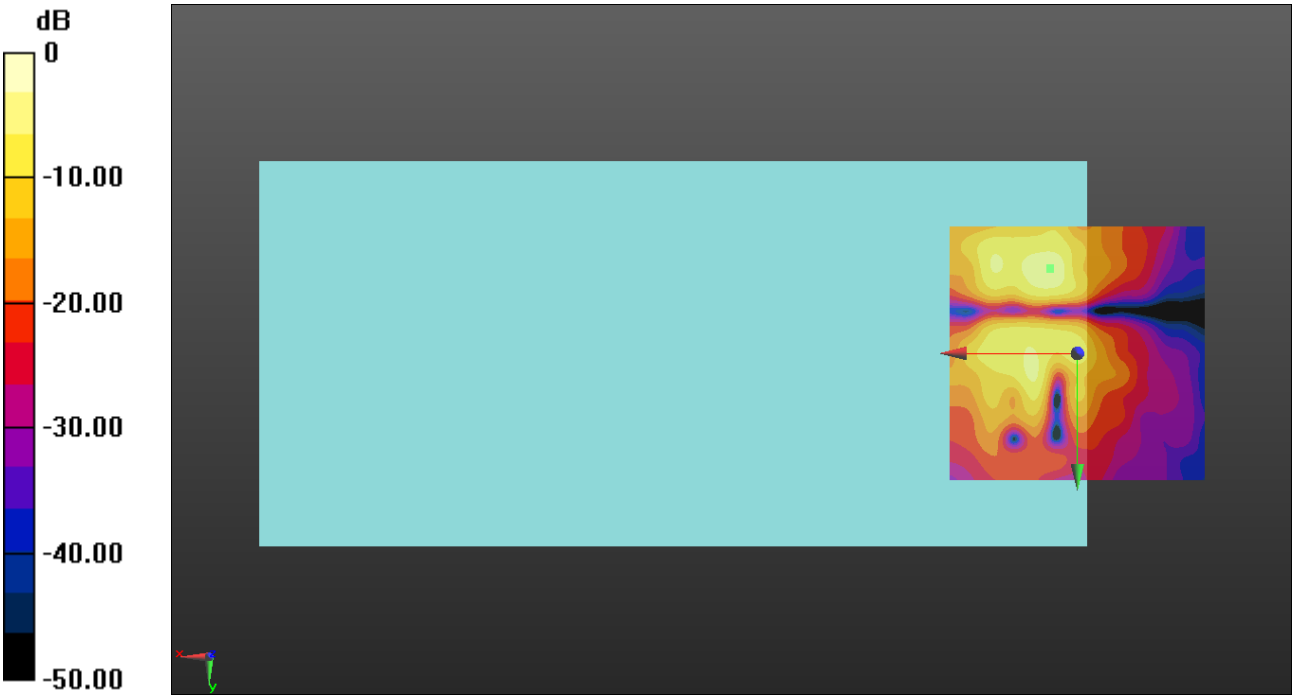
# OTT HSUPA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 1732.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band IV_HSUPA Subtest 1 ch.1413/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 42.89 dB
ABM1 = -4.33 dBA/m
ABM2 = -47.22 dBA/m
BWC Factor = 0.16 dB
Location: 5.4, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT HSUPA

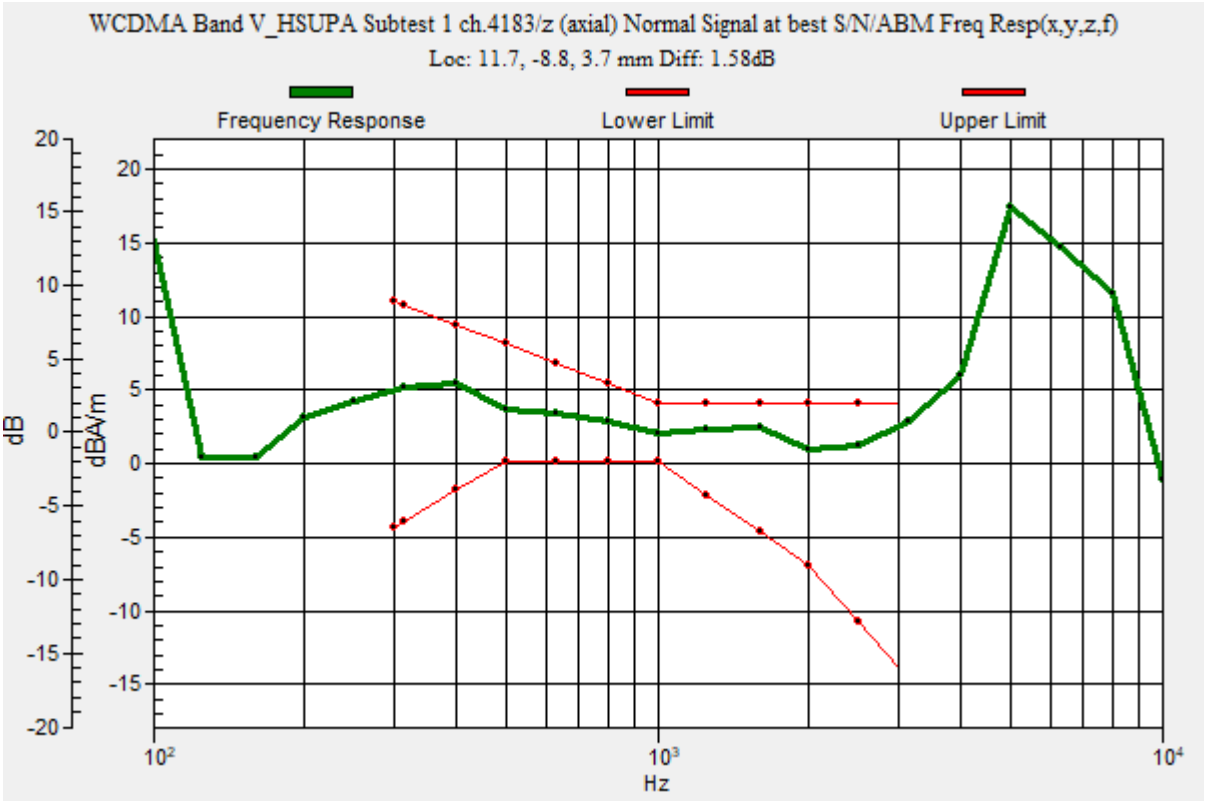
Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band V_HSUPA Subtest 1 ch.4183/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.58 dB
BWC Factor = 10.80 dB
Location: 11.7, -8.8, 3.7 mm



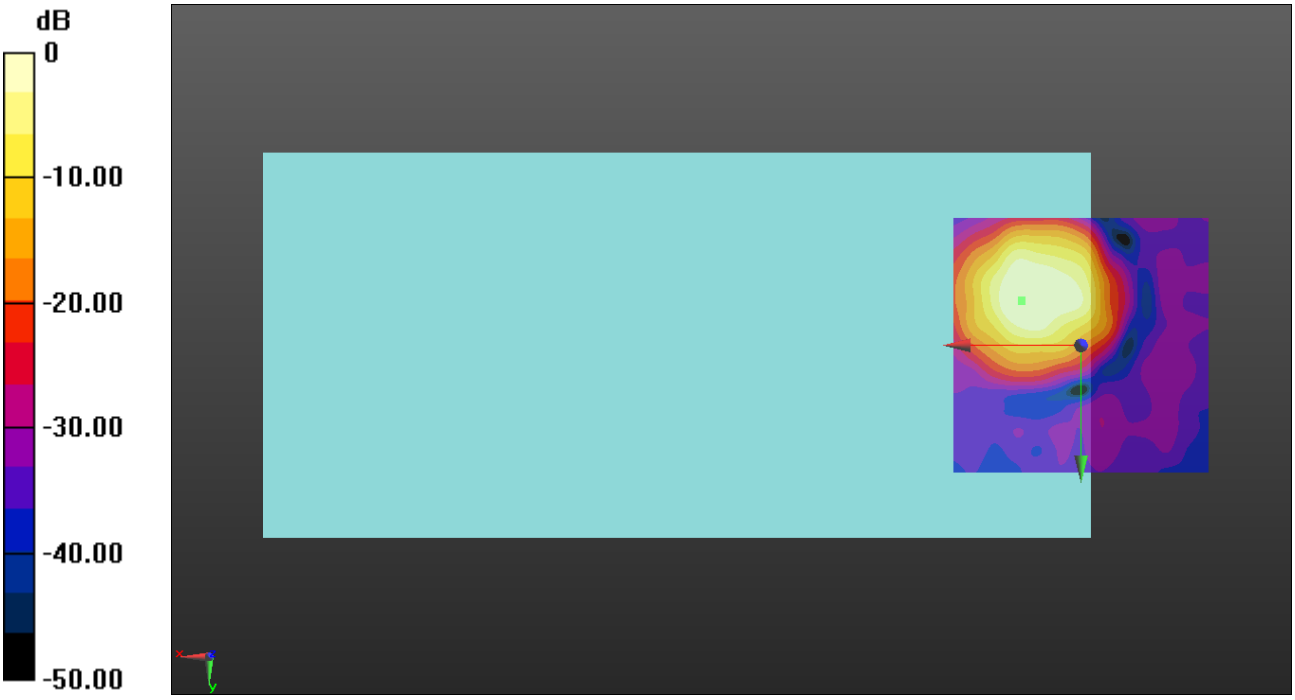
# OTT HSUPA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band V_HSUPA Subtest 1 ch.4183/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 3000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.06 dB
ABM1 = 2.40 dBA/m
ABM2 = -40.66 dBA/m
BWC Factor = 0.16 dB
Location: 11.7, -8.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

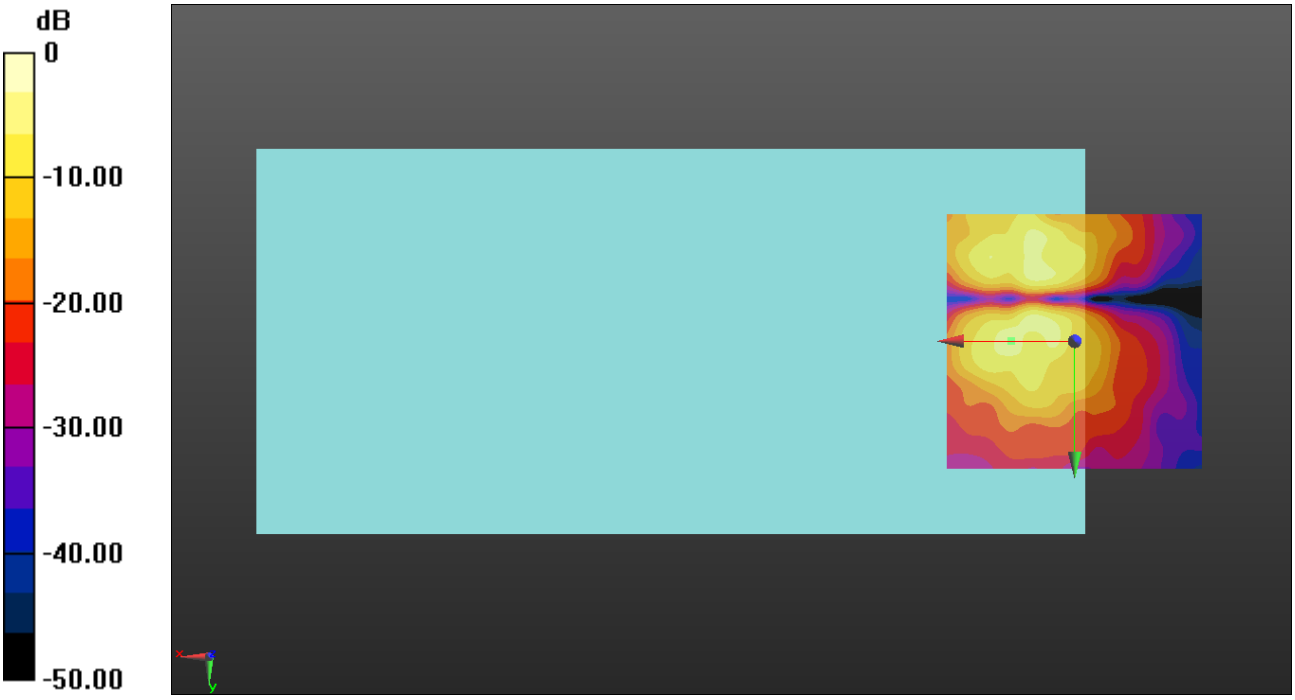
# OTT HSUPA

Communication System: UID 0, UMTS-FDD (WCDMA) (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA Band V_HSUPA Subtest 1 ch.4183/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.68 dB
ABM1 = -3.85 dBA/m
ABM2 = -45.53 dBA/m
BWC Factor = 0.16 dB
Location: 12.5, 0, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT EVDO

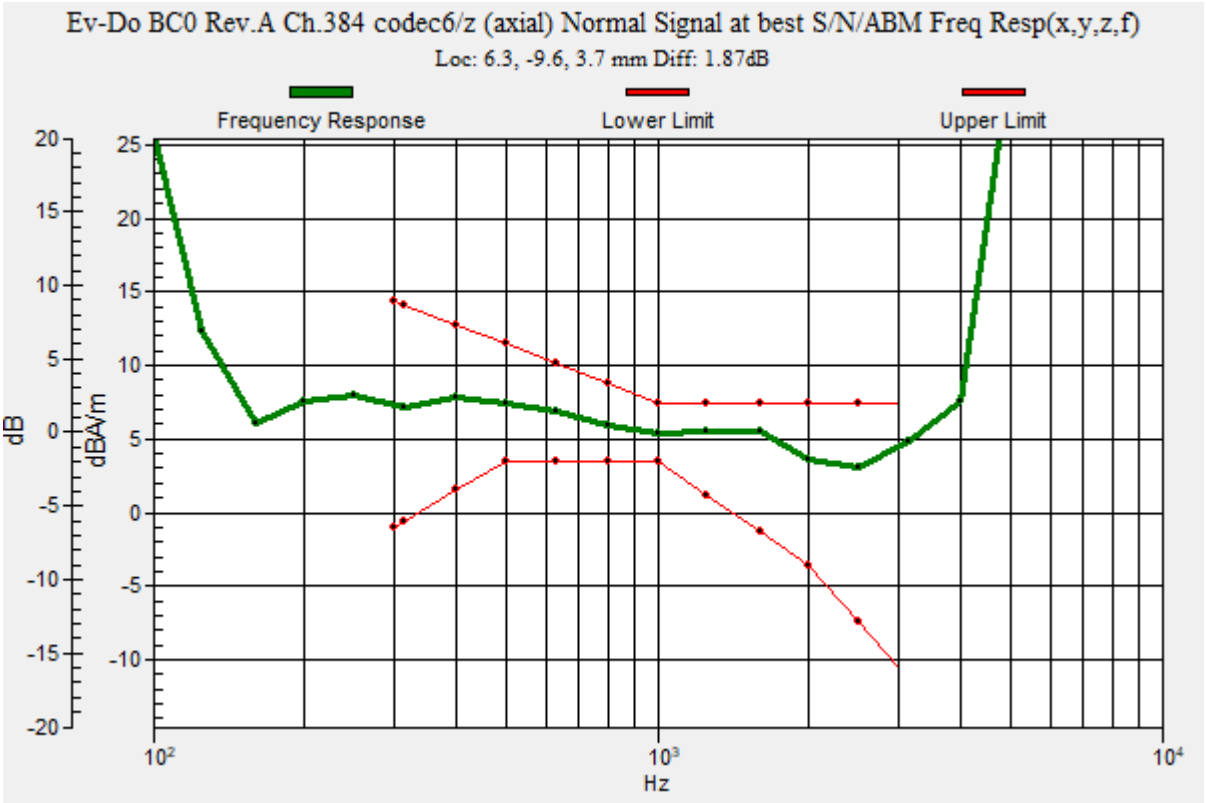
Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC0 Rev.A Ch.384 codec6/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.87 dB
BWC Factor = 10.80 dB
Location: 6.3, -9.6, 3.7 mm



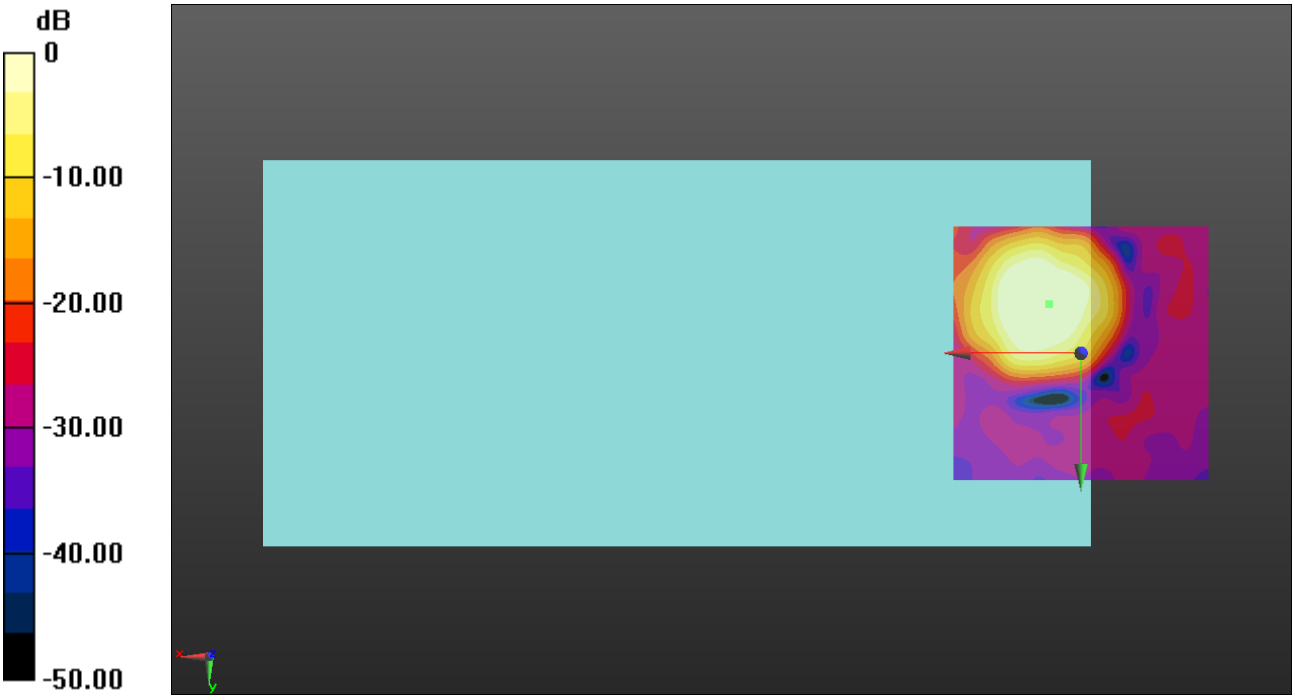
# OTT EVDO

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC0 Rev.A Ch.384 codec6/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 54.75 dB
ABM1 = 7.16 dBA/m
ABM2 = -47.59 dBA/m
BWC Factor = 0.16 dB
Location: 6.3, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

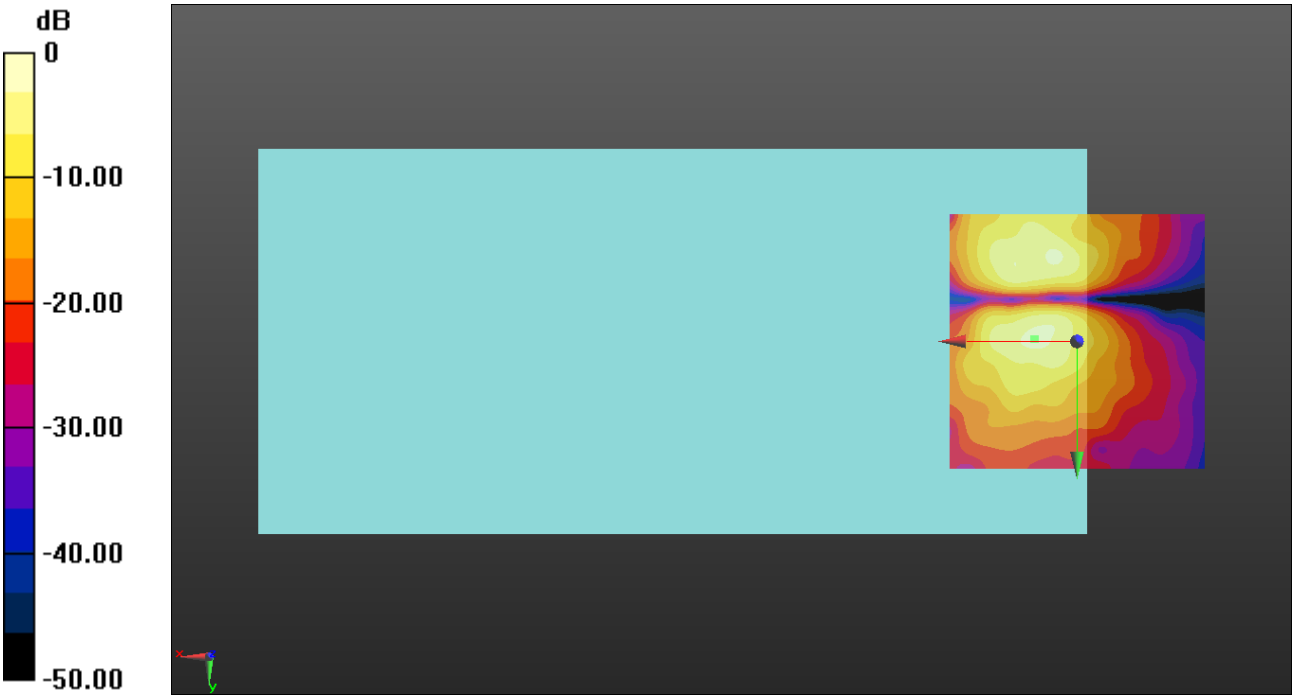
# OTT EVDO

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC0 Rev.A Ch.384 codec6/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.62 dB
ABM1 = -2.41 dBA/m
ABM2 = -46.03 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -0.4, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT EVDO

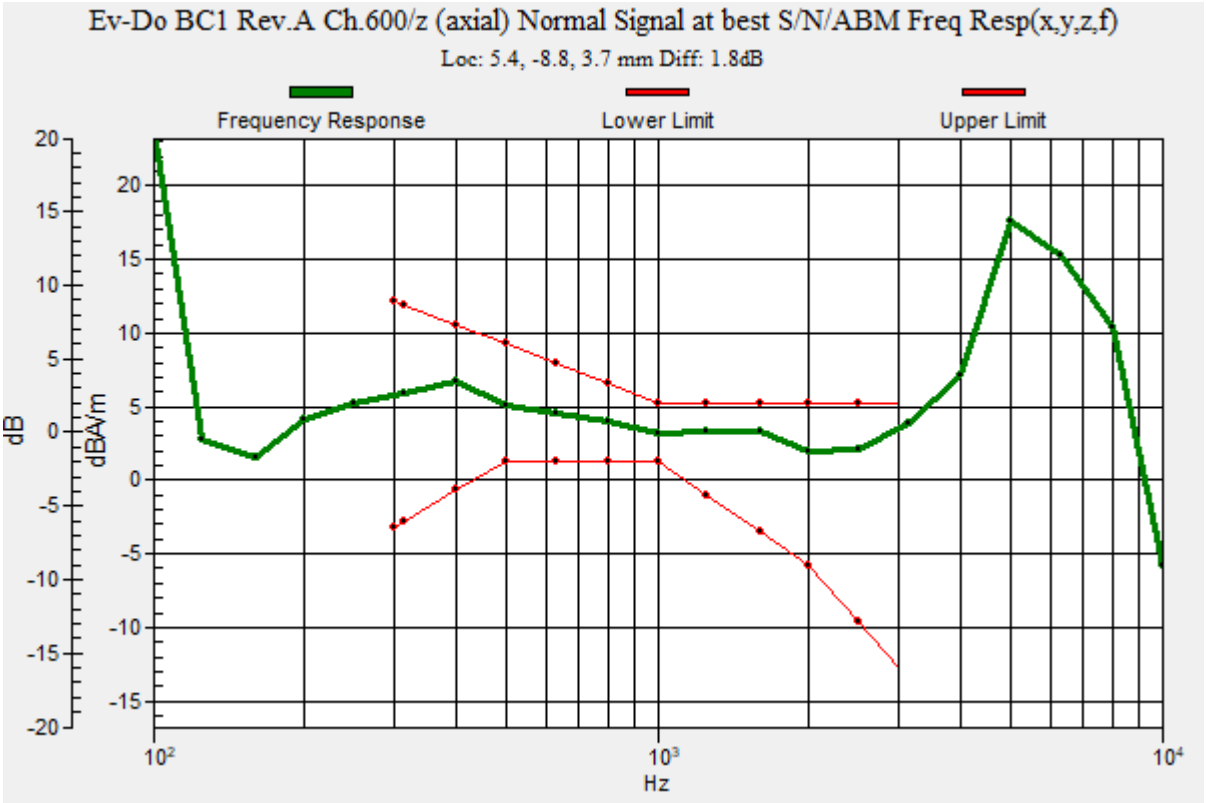
Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC1 Rev.A Ch.600/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.80 dB
BWC Factor = 10.80 dB
Location: 5.4, -8.8, 3.7 mm



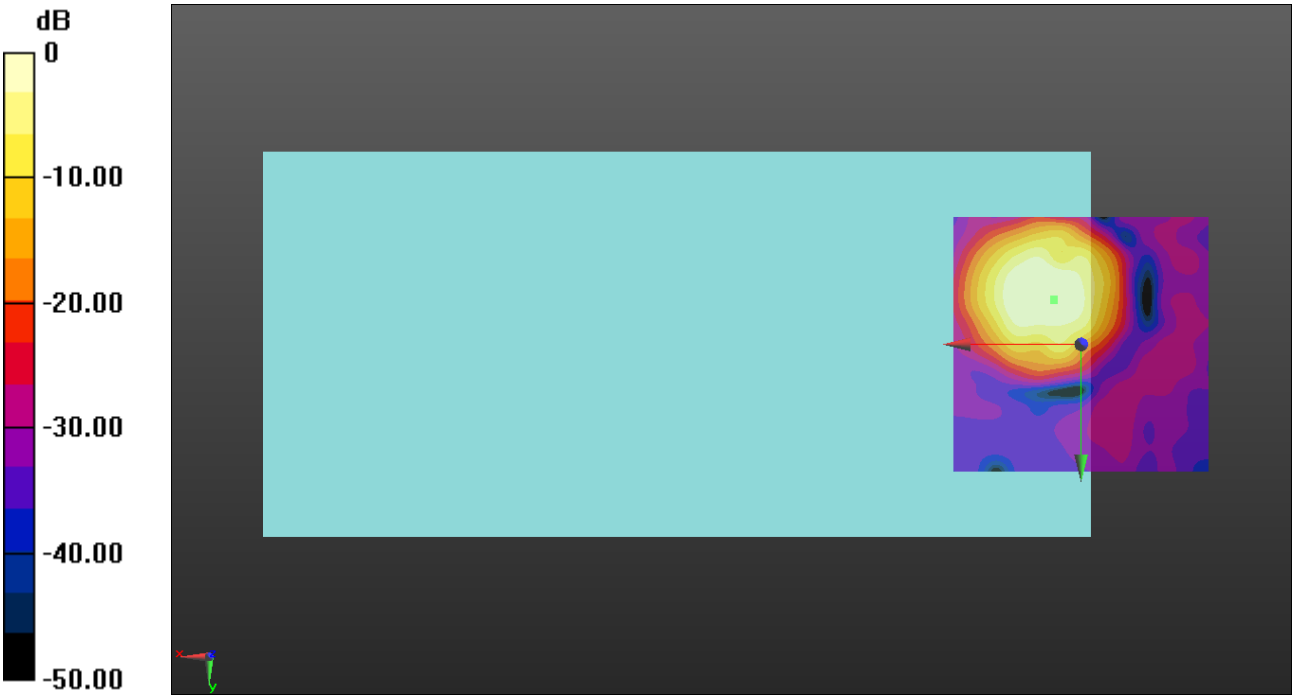
# OTT EVDO

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC1 Rev.A Ch.600/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 49.12 dB
ABM1 = 4.07 dBA/m
ABM2 = -45.05 dBA/m
BWC Factor = 0.16 dB
Location: 5.4, -8.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

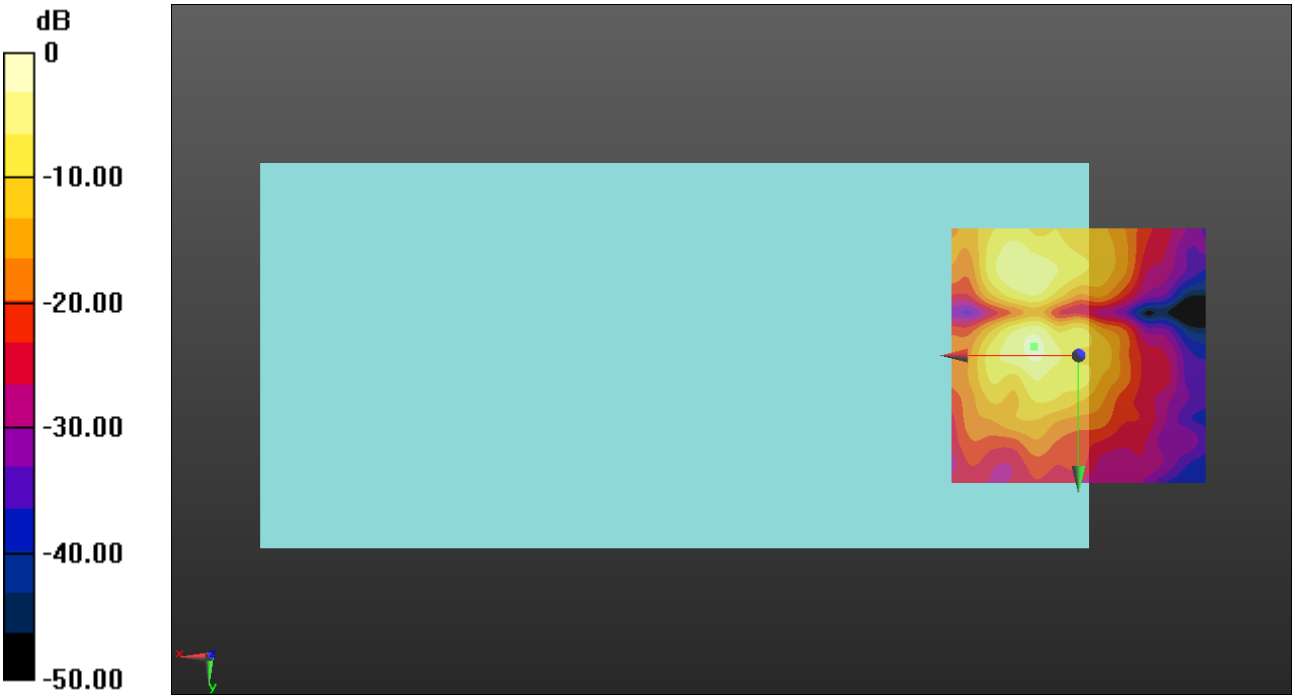
# OTT EVDO

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC1 Rev.A Ch.600/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 42.86 dB
ABM1 = -2.41 dBA/m
ABM2 = -45.27 dBA/m
BWC Factor = 0.16 dB
Location: 8.8, -1.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT EVDO

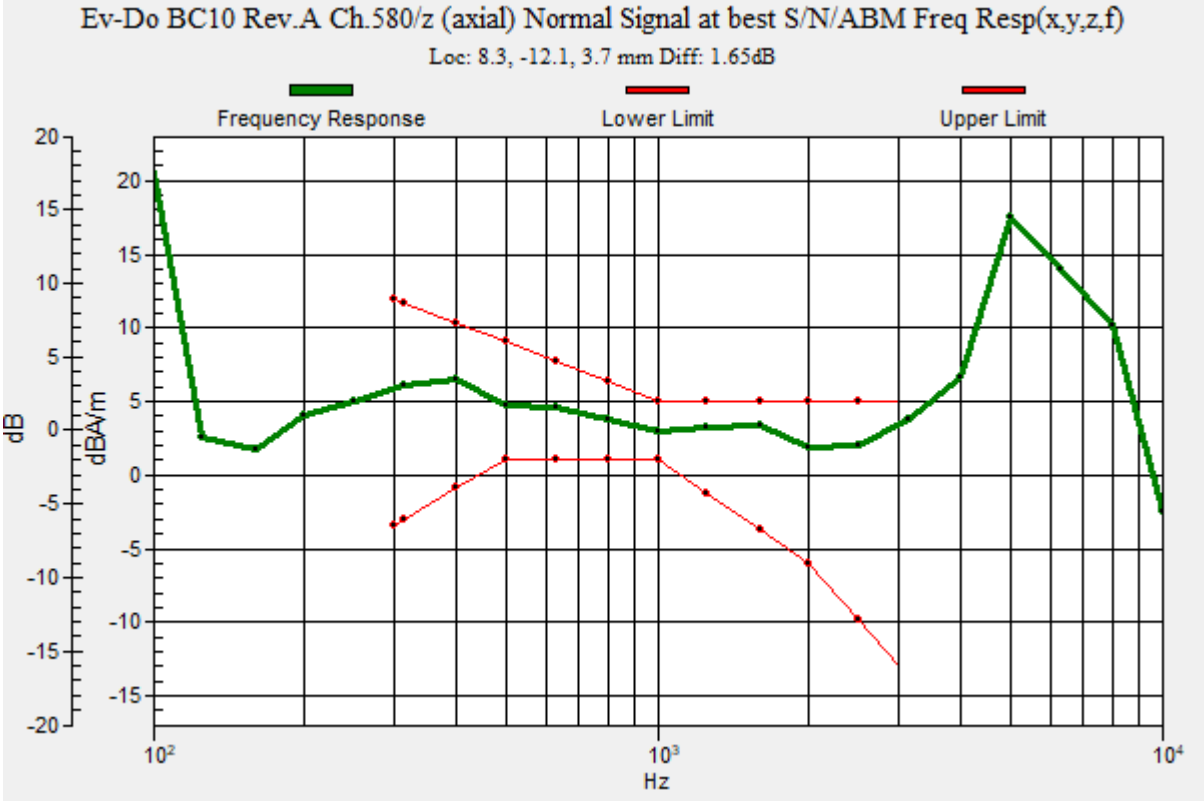
Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC10 Rev.A Ch.580/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.65 dB
BWC Factor = 10.80 dB
Location: 8.3, -12.1, 3.7 mm



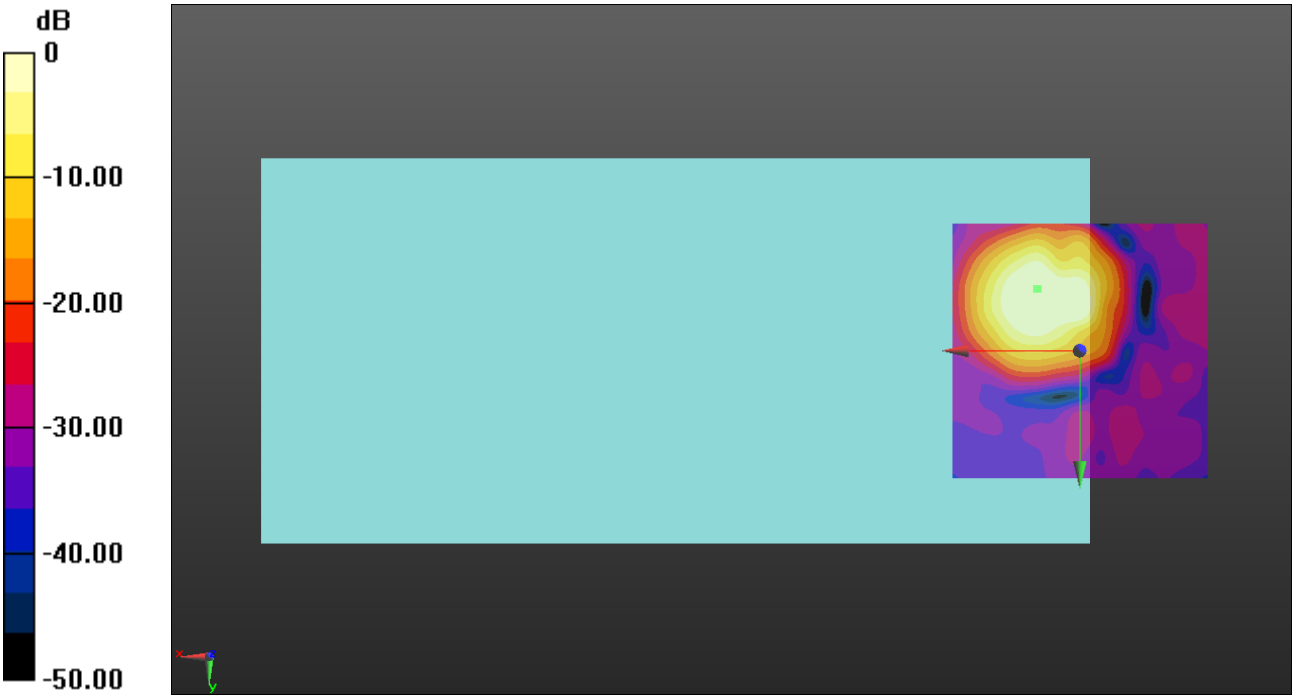
# OTT EVDO

Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC10 Rev.A Ch.580/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 48.93 dB
ABM1 = 3.57 dBA/m
ABM2 = -45.36 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -12.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

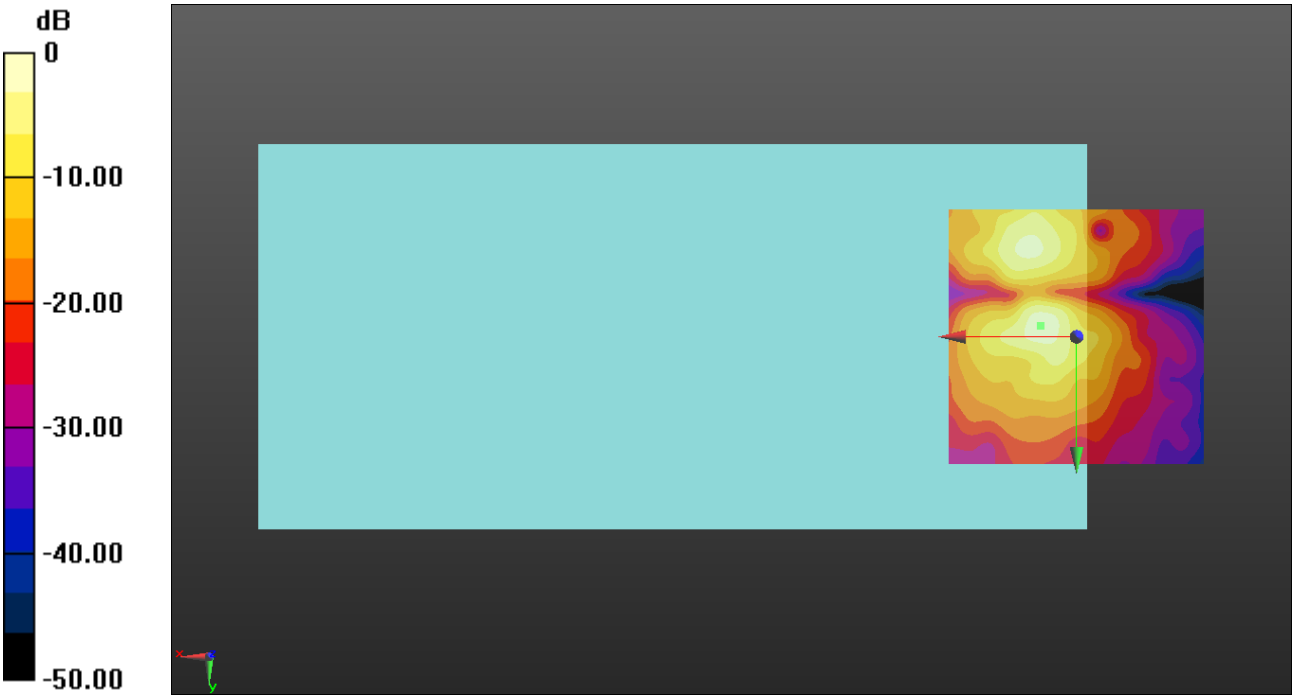
# OTT EVDO

Communication System: UID 0, CDMA2000 (0); Frequency: 820.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/Ev-Do BC10 Rev.A Ch.580/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 45.26 dB
ABM1 = -1.74 dBA/m
ABM2 = -47.00 dBA/m
BWC Factor = 0.16 dB
Location: 7.1, -2.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

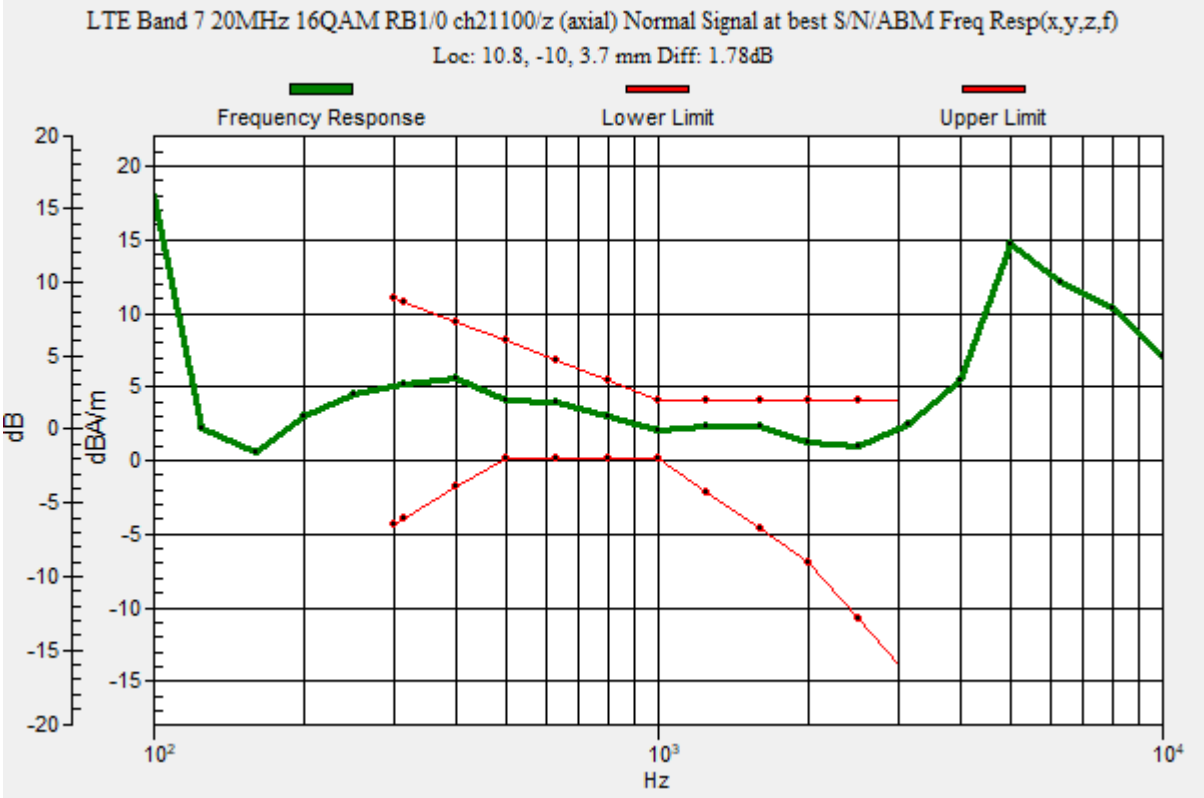
Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 20MHz 16QAM RB1/0 ch21100/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.78 dB
BWC Factor = 10.80 dB
Location: 10.8, -10, 3.7 mm



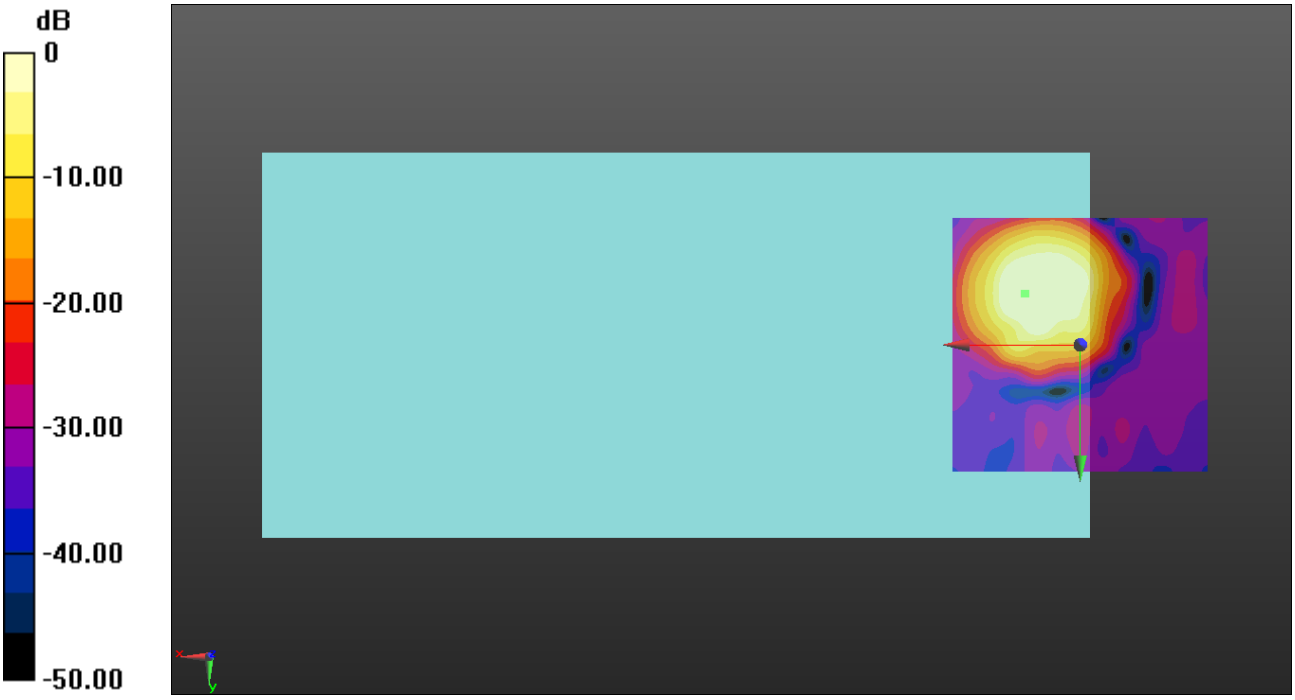
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 20MHz 16QAM RB1/0 ch21100/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.47 dB
ABM1 = 4.64 dBA/m
ABM2 = -39.83 dBA/m
BWC Factor = 0.16 dB
Location: 10.8, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

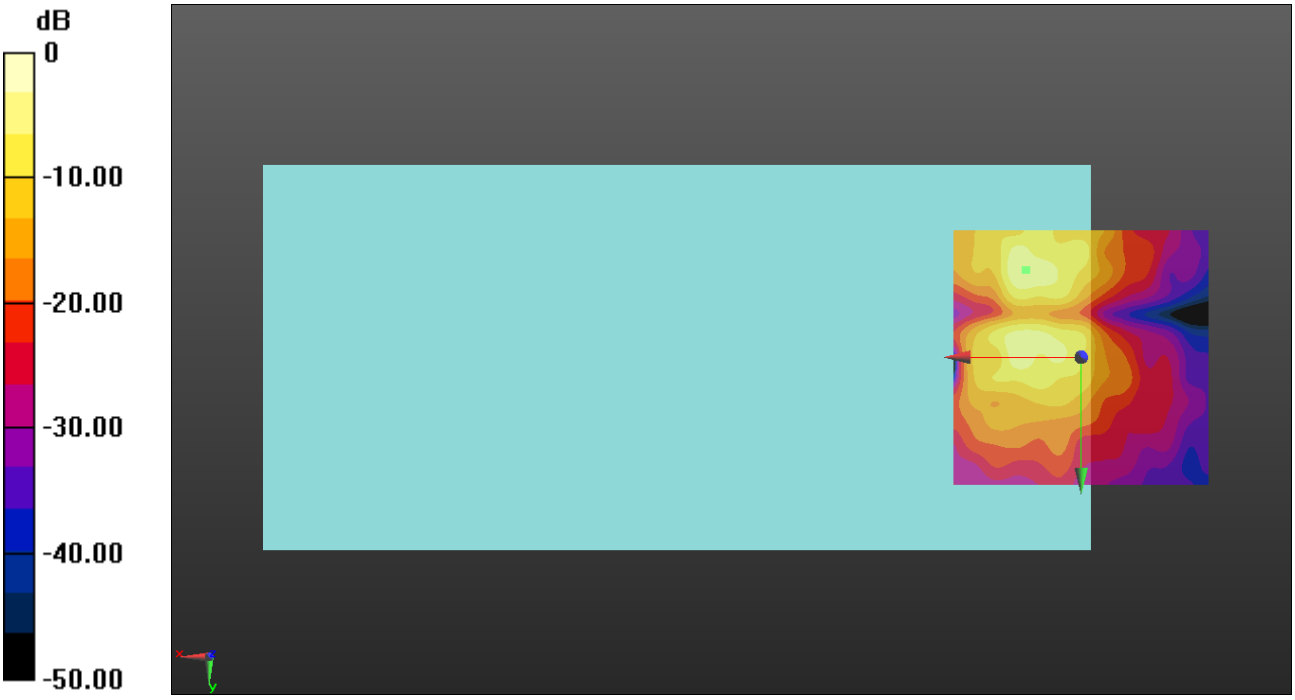
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 2535 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7 20MHz 16QAM RB1/0 ch21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 42.69 dB
ABM1 = -3.28 dBA/m
ABM2 = -45.97 dBA/m
BWC Factor = 0.16 dB
Location: 10.8, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

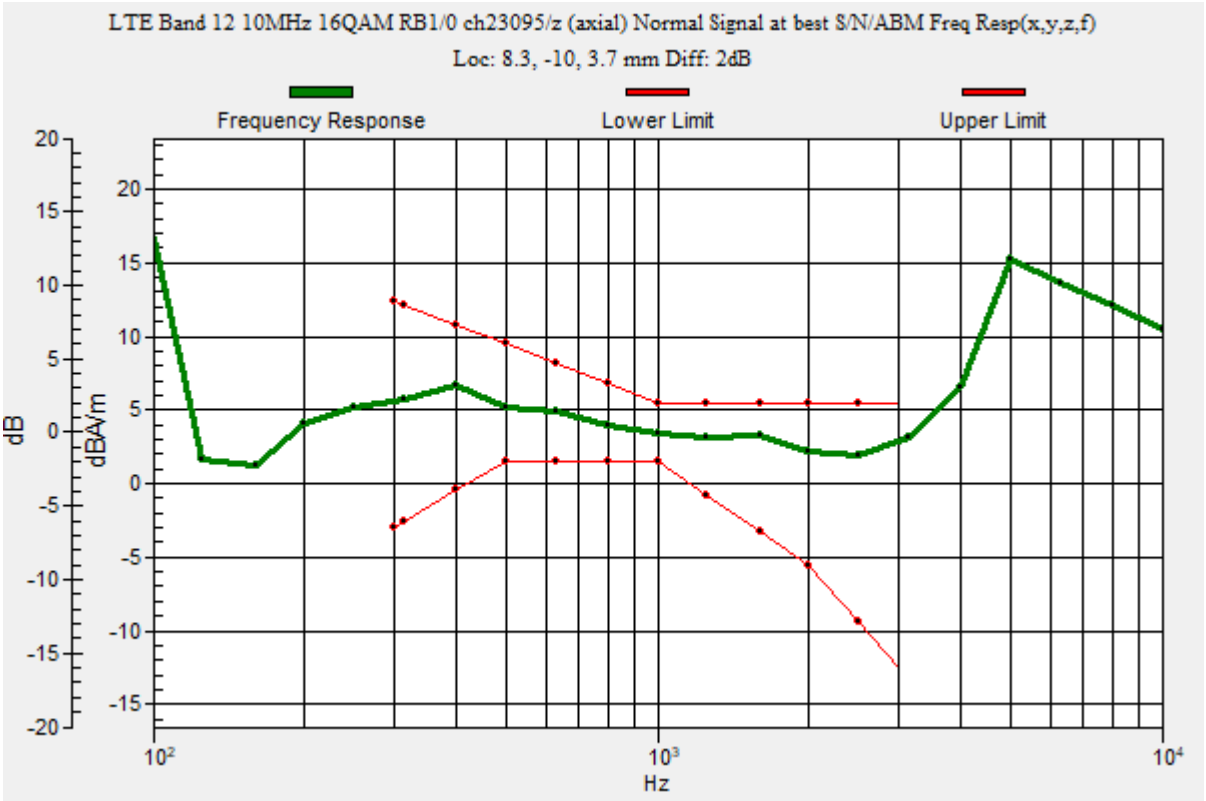
Communication System: UID 0, LTE (FDD) (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz 16QAM RB1/0 ch23095/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



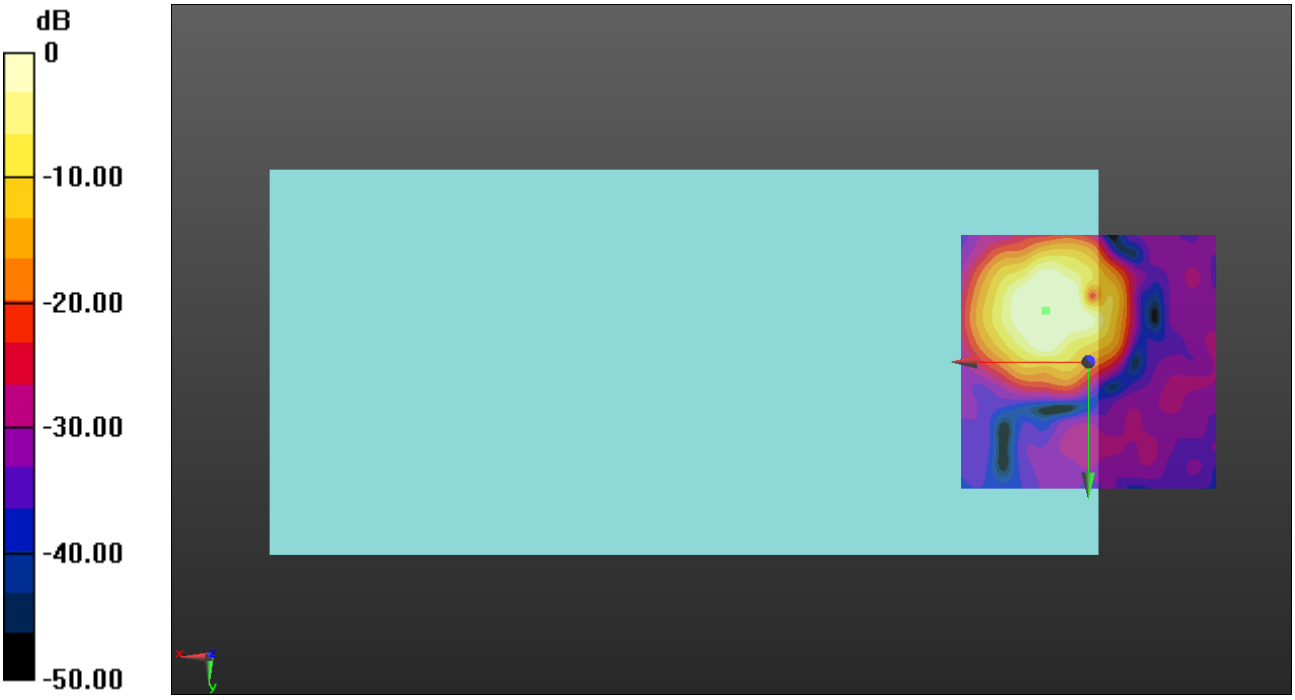
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz 16QAM RB1/0 ch23095/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.45 dB
ABM1 = 6.25 dBA/m
ABM2 = -37.20 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

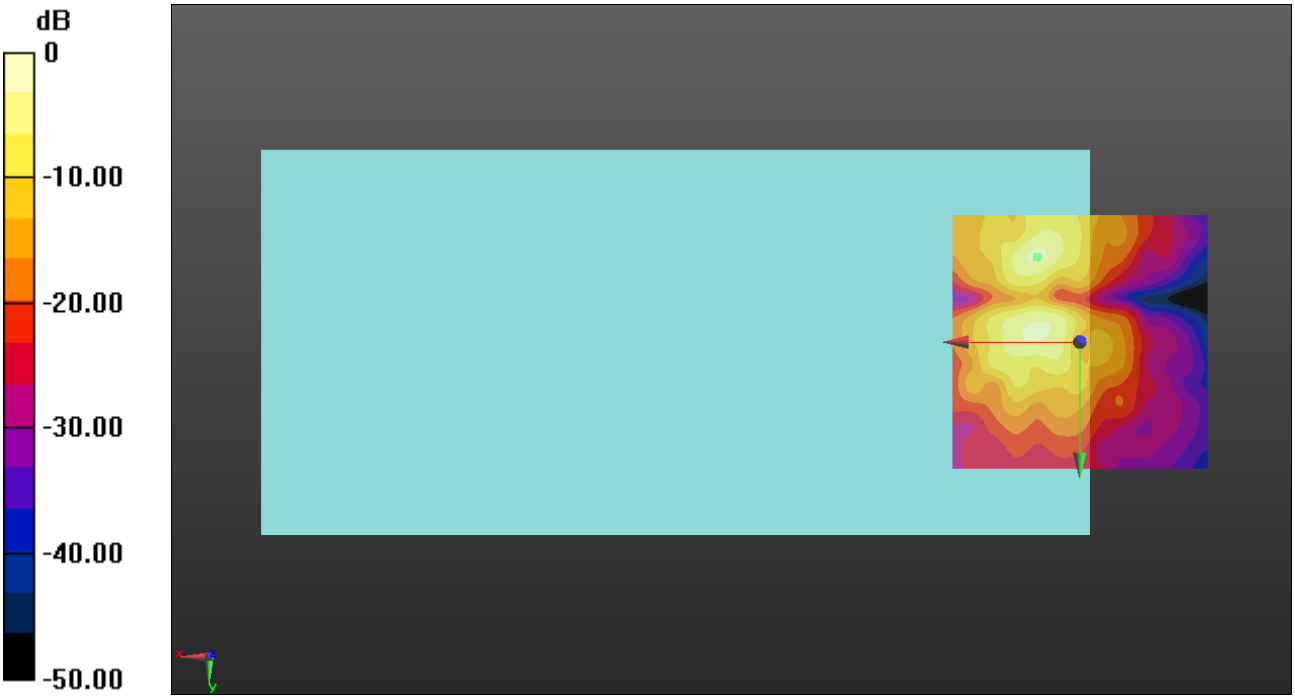
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12 10MHz 16QAM RB1/0 ch23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.54 dB
ABM1 = -2.23 dBA/m
ABM2 = -45.77 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

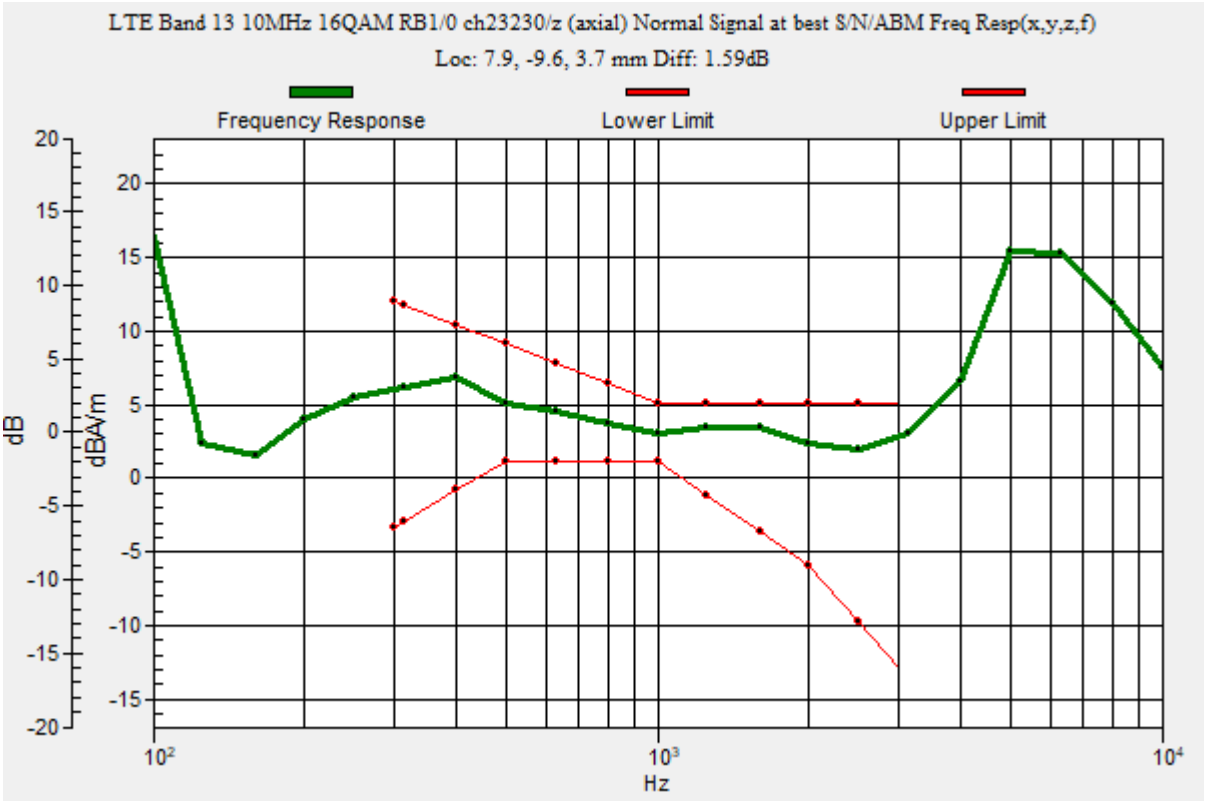
Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13 10MHz 16QAM RB1/0 ch23230/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.59 dB
BWC Factor = 10.80 dB
Location: 7.9, -9.6, 3.7 mm



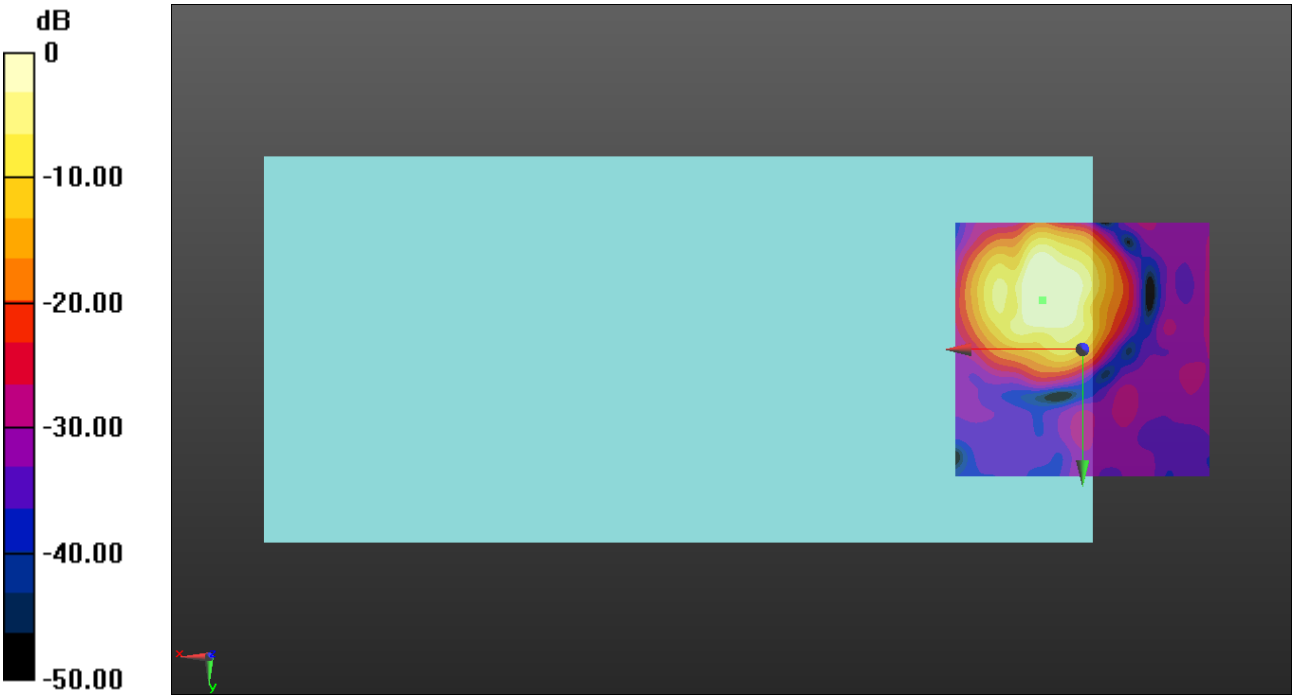
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13 10MHz 16QAM RB1/0 ch23230/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 47.40 dB
ABM1 = 7.41 dBA/m
ABM2 = -39.99 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

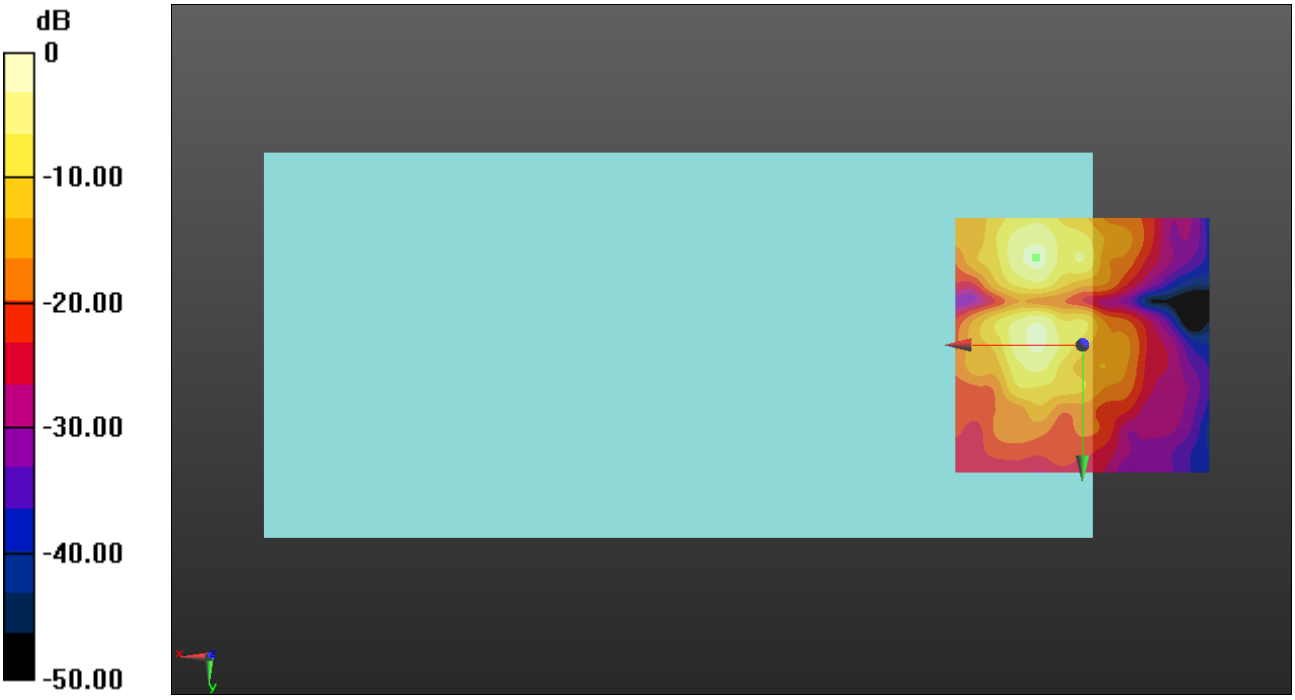
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 782 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13 10MHz 16QAM RB1/0 ch23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.14 dB
ABM1 = -2.16 dBA/m
ABM2 = -46.30 dBA/m
BWC Factor = 0.16 dB
Location: 9.2, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

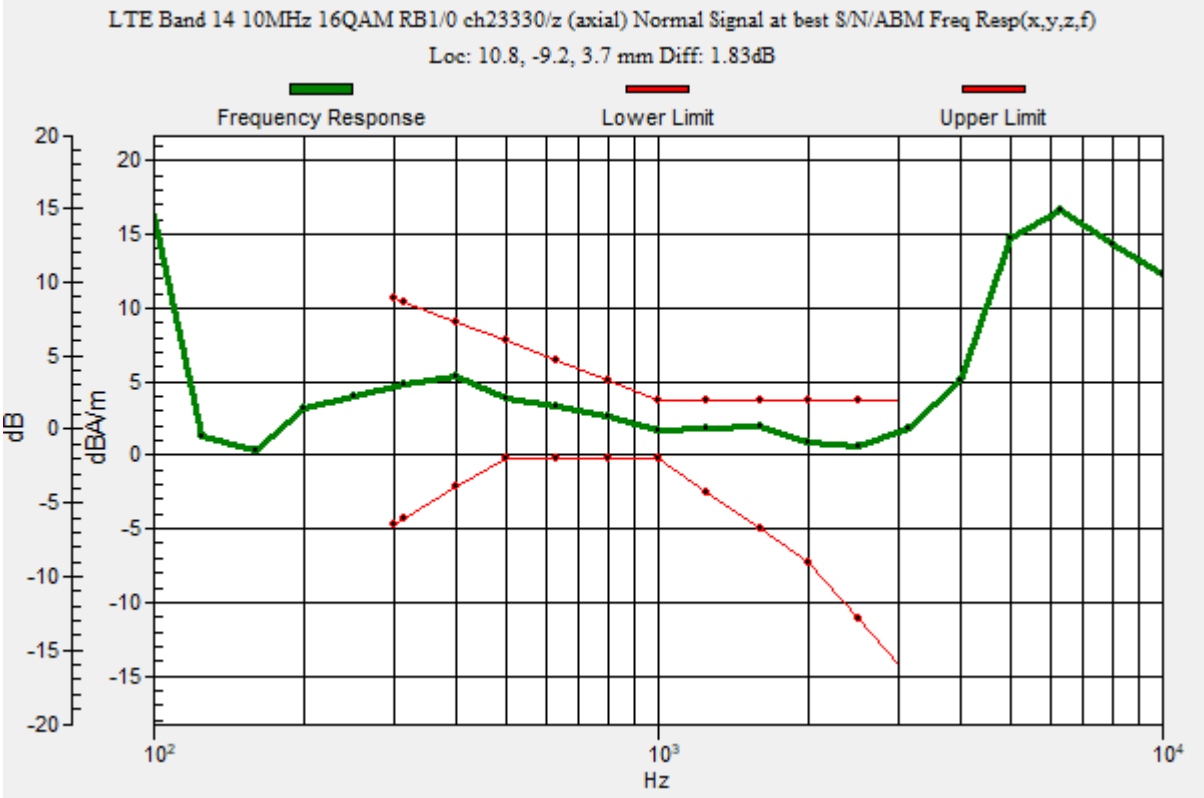
Communication System: UID 0, LTE (FDD) (0); Frequency: 793 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 10MHz 16QAM RB1/0 ch23330/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.83 dB
BWC Factor = 10.80 dB
Location: 10.8, -9.2, 3.7 mm



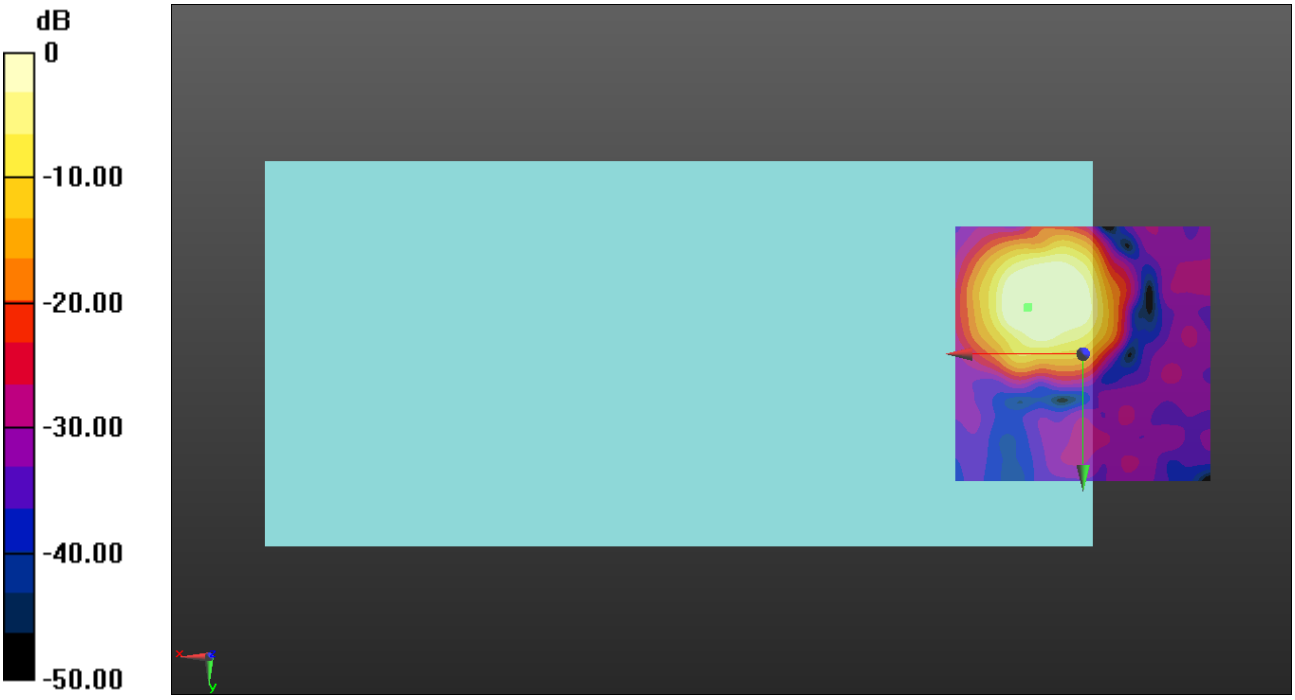
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 793 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 10MHz 16QAM RB1/0 ch23330/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 39.89 dB
ABM1 = 4.54 dBA/m
ABM2 = -35.35 dBA/m
BWC Factor = 0.16 dB
Location: 10.8, -9.2, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

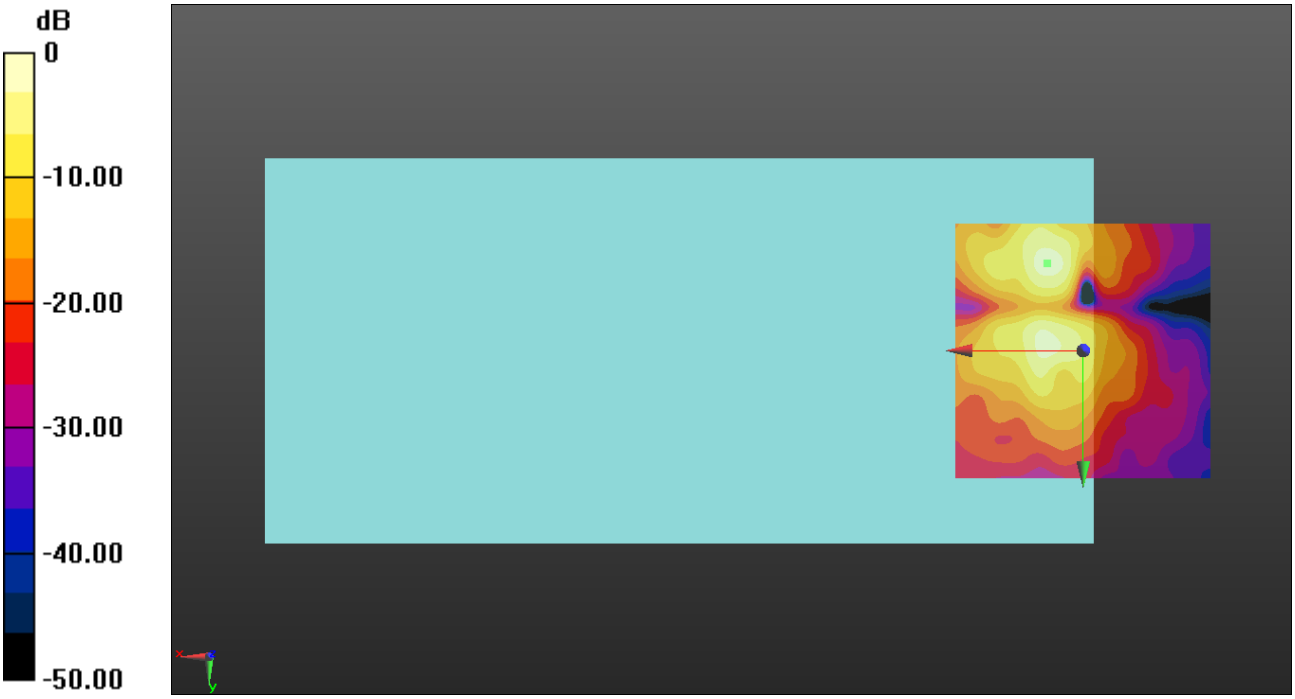
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 793 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14 10MHz 16QAM RB1/0 ch23330/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 45.18 dB
ABM1 = -1.84 dBA/m
ABM2 = -47.02 dBA/m
BWC Factor = 0.16 dB
Location: 7.1, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

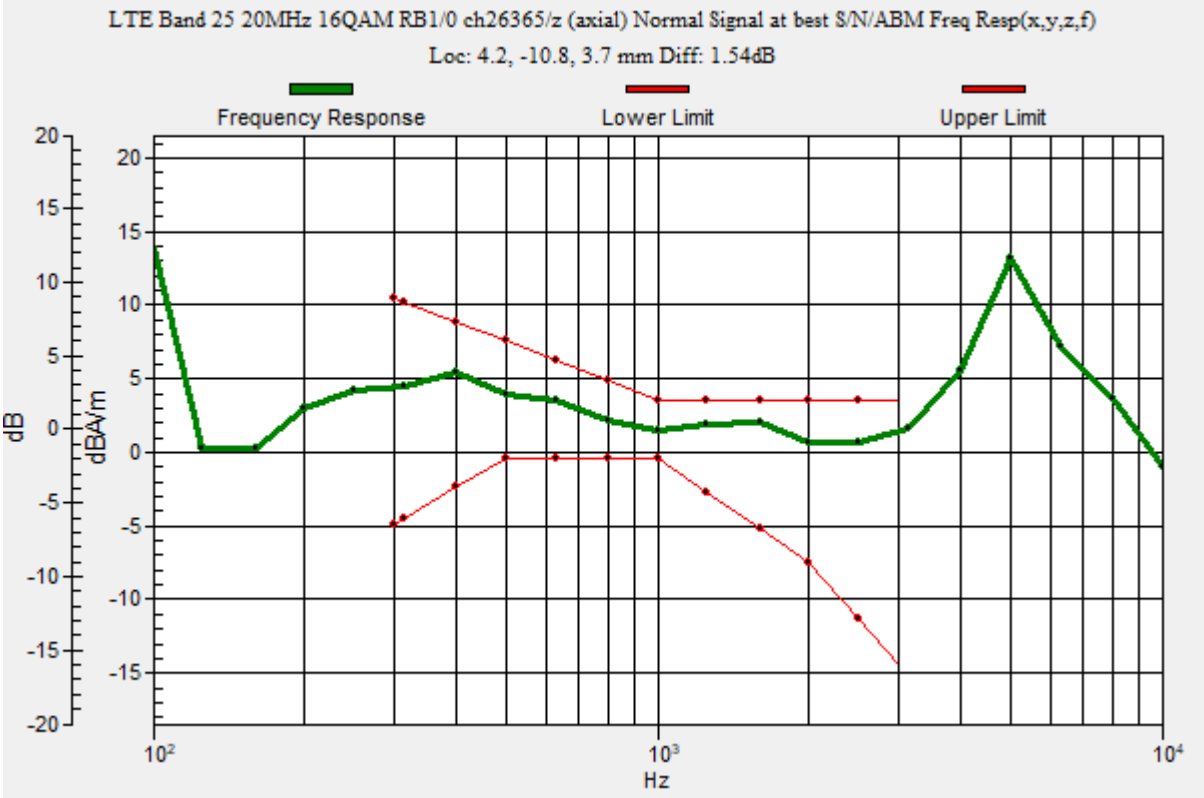
Communication System: UID 0, LTE (FDD) (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 20MHz 16QAM RB1/0 ch26365/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.54 dB
BWC Factor = 10.80 dB
Location: 4.2, -10.8, 3.7 mm



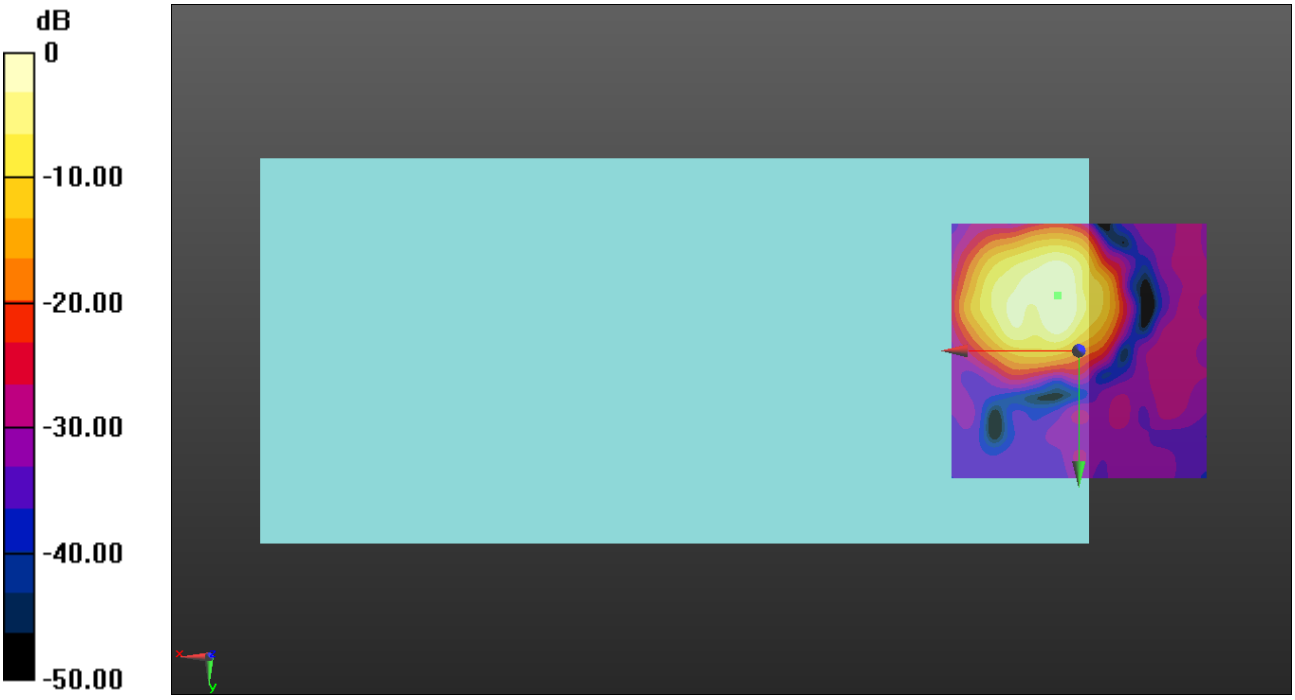
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 20MHz 16QAM RB1/0 ch26365/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 48.32 dB
ABM1 = 4.51 dBA/m
ABM2 = -43.81 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, -10.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

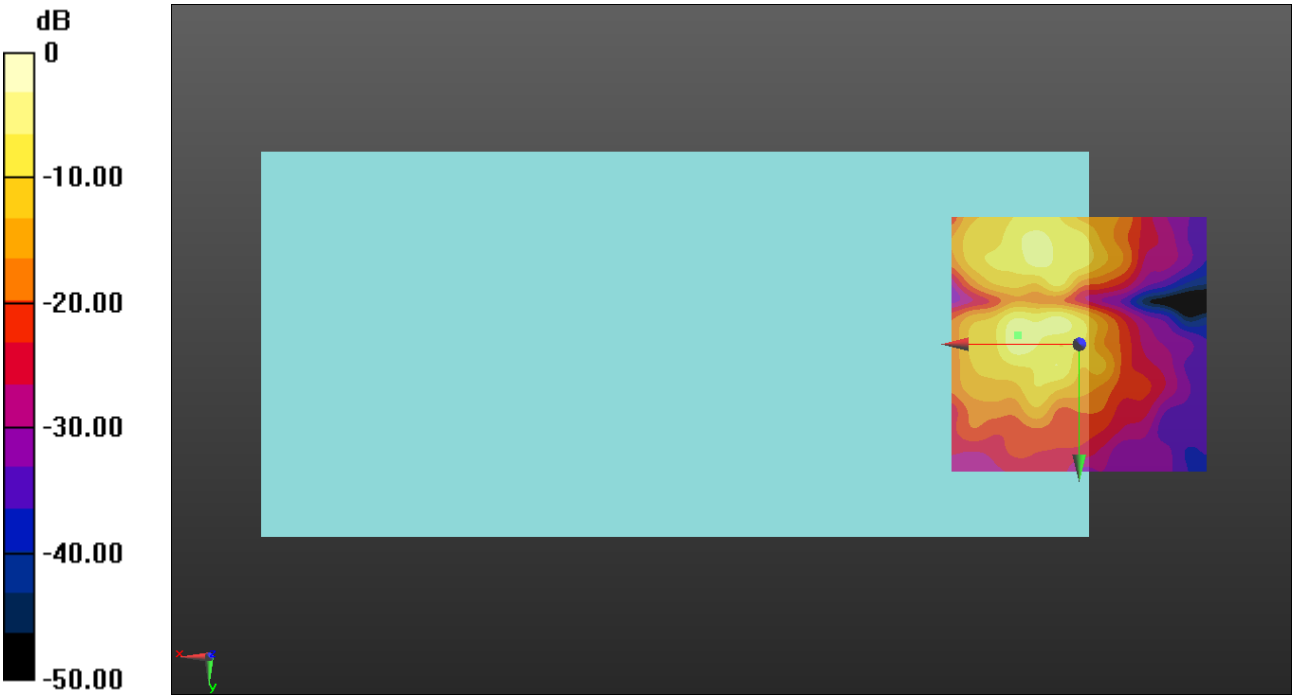
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25 20MHz 16QAM RB1/0 ch26365/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.51 dB
ABM1 = -4.30 dBA/m
ABM2 = -40.81 dBA/m
BWC Factor = 0.16 dB
Location: 12.1, -1.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

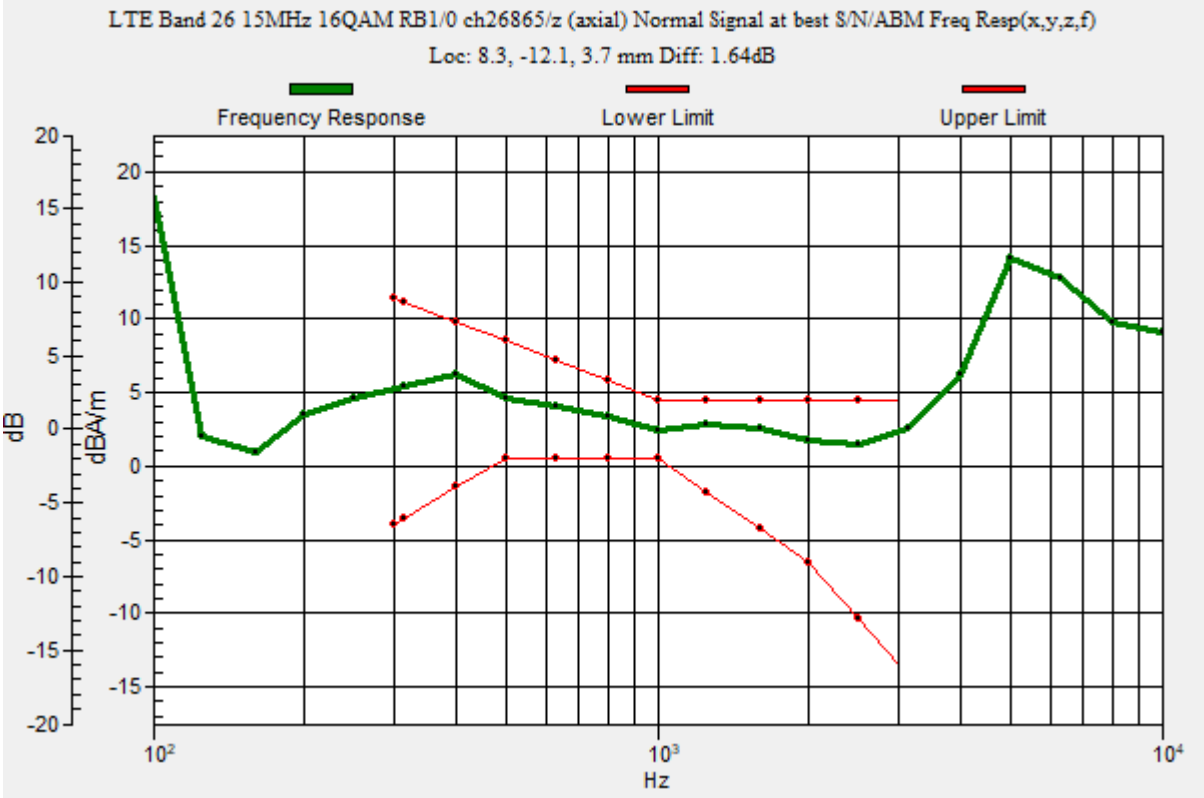
Communication System: UID 0, LTE (FDD) (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz 16QAM RB1/0 ch26865/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.64 dB
BWC Factor = 10.80 dB
Location: 8.3, -12.1, 3.7 mm



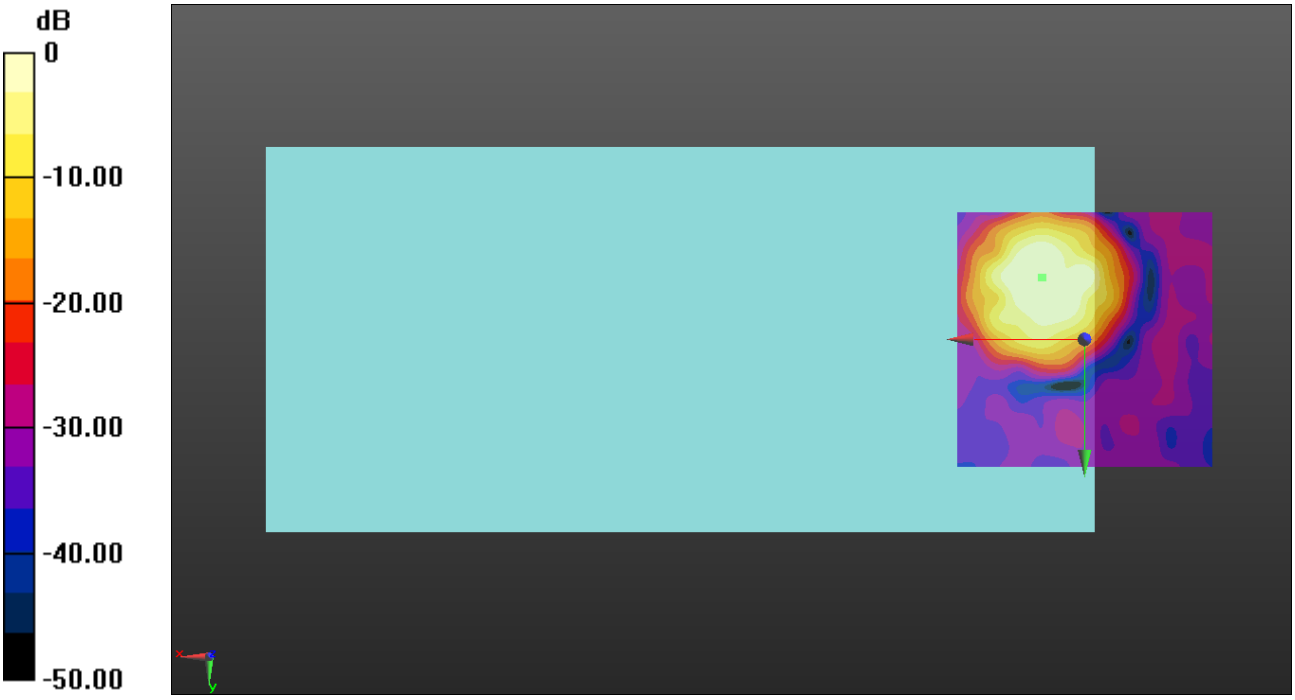
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz 16QAM RB1/0 ch26865/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.39 dB
ABM1 = 5.68 dBA/m
ABM2 = -38.71 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -12.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

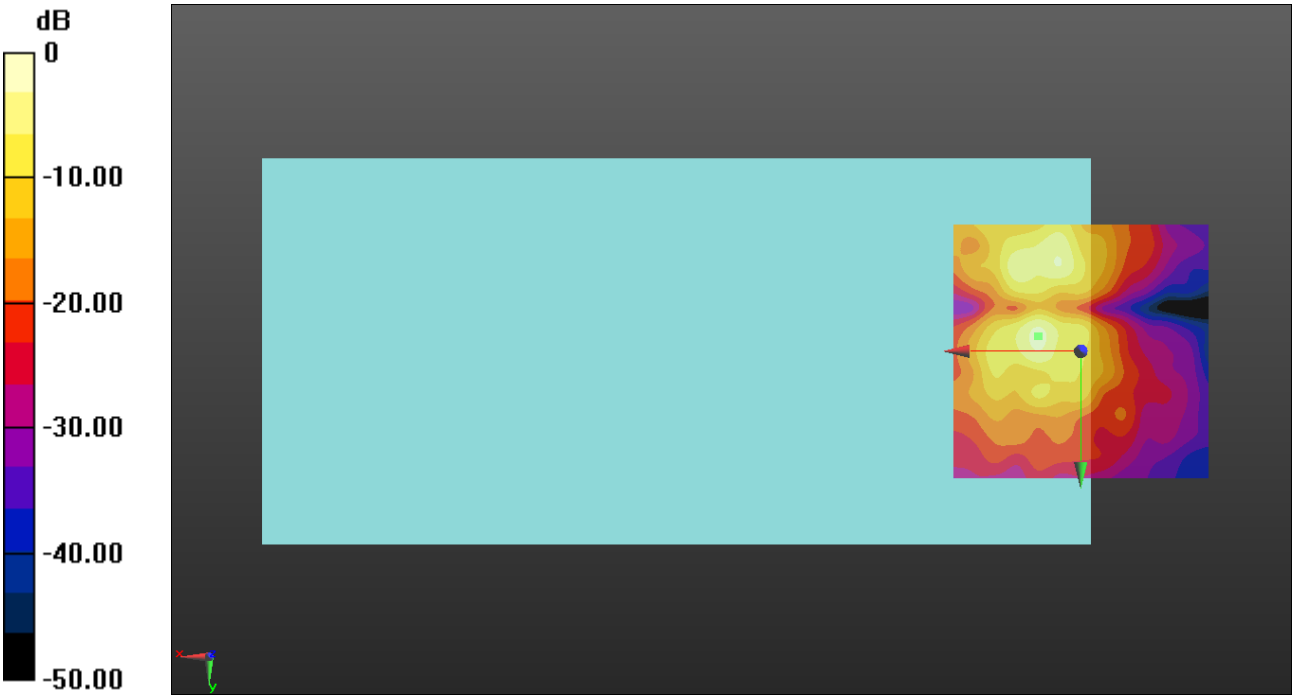
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26 15MHz 16QAM RB1/0 ch26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 39.89 dB
ABM1 = -2.18 dBA/m
ABM2 = -42.07 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.9, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

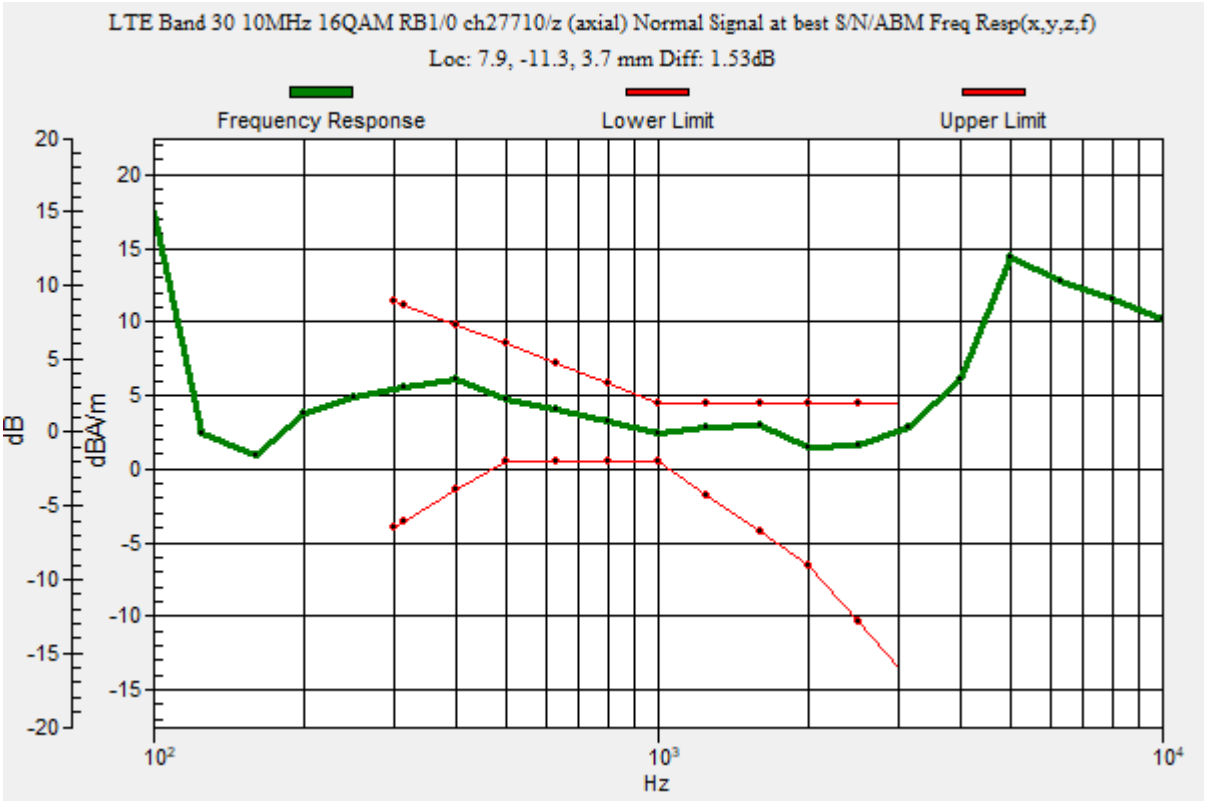
Communication System: UID 0, LTE (FDD) (0); Frequency: 2310 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 10MHz 16QAM RB1/0 ch27710/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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: 7.9, -11.3, 3.7 mm



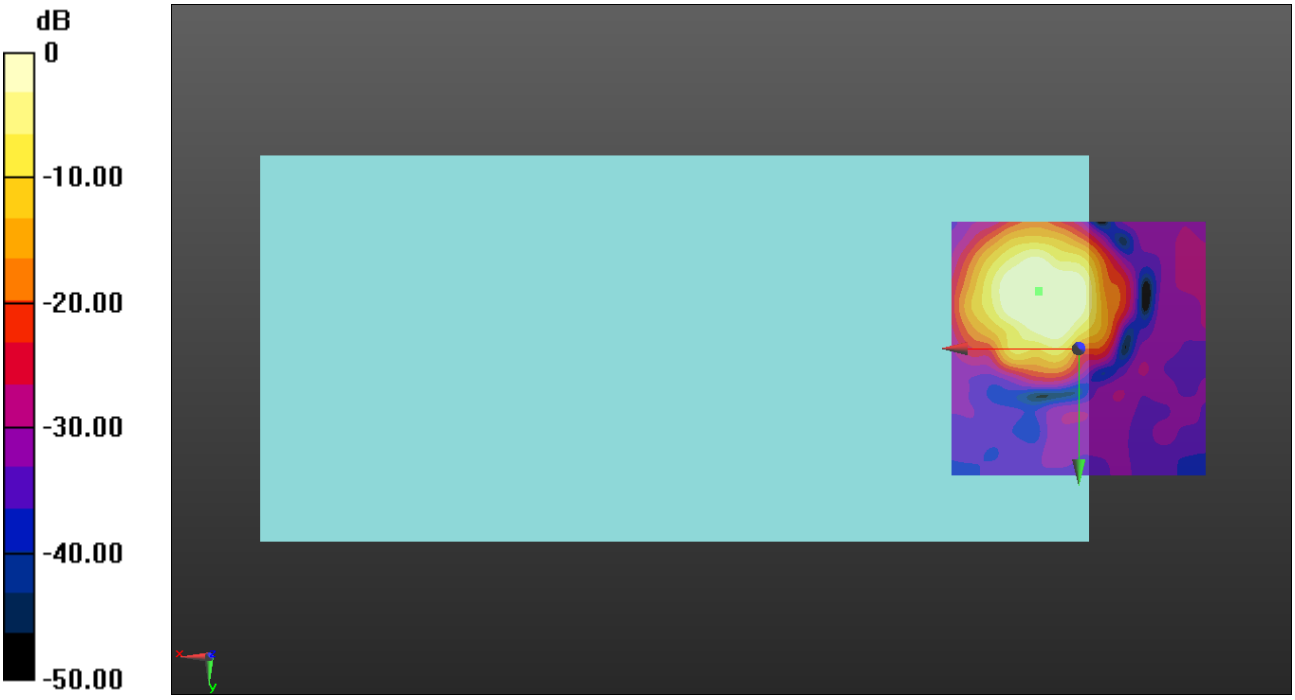
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 10MHz 16QAM RB1/0 ch27710/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.90 dB
ABM1 = 4.74 dBA/m
ABM2 = -37.16 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -11.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

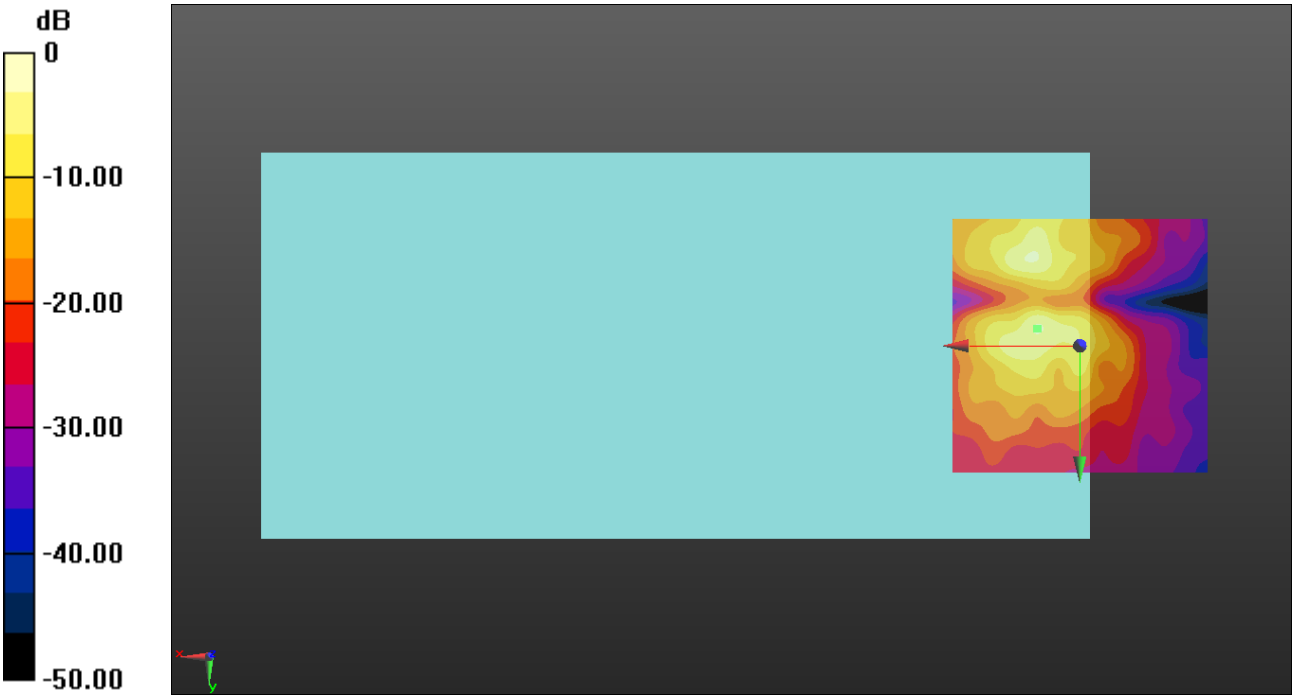
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30 10MHz 16QAM RB1/0 ch27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 38.49 dB
ABM1 = -2.97 dBA/m
ABM2 = -41.46 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -3.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

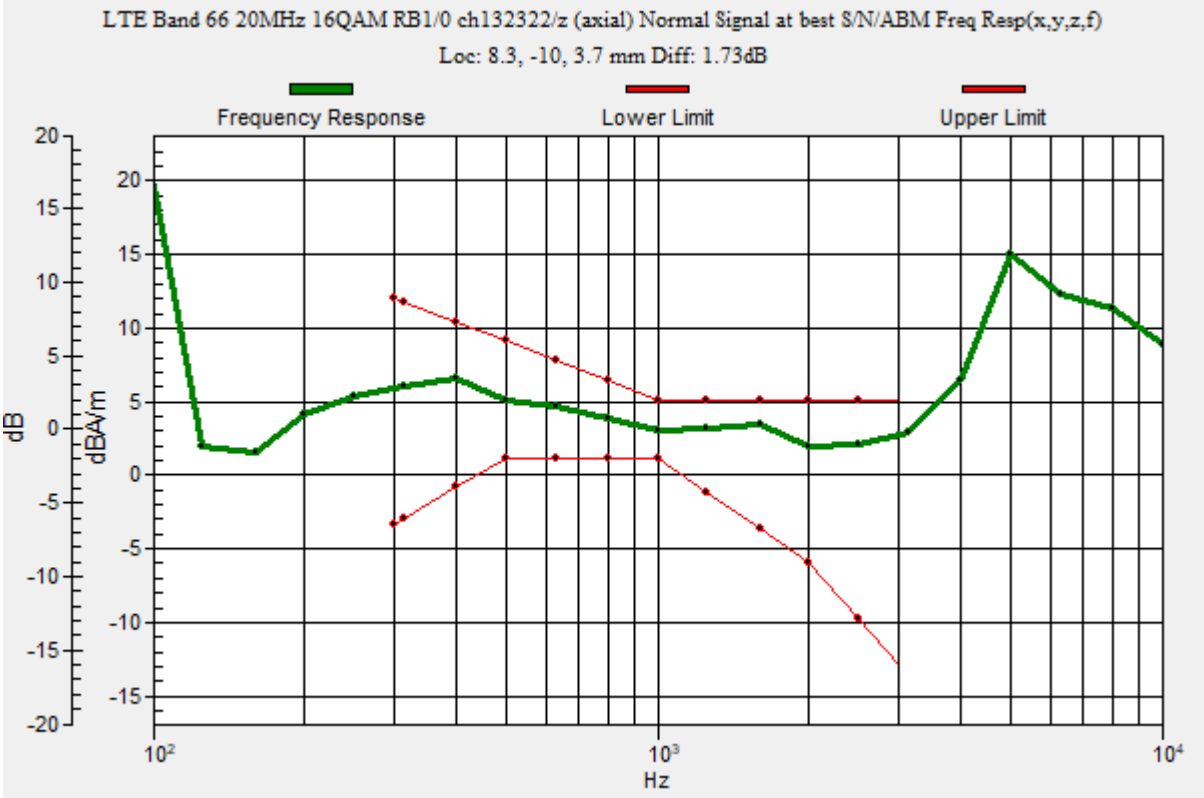
Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 20MHz 16QAM RB1/0 ch132322/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.73 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



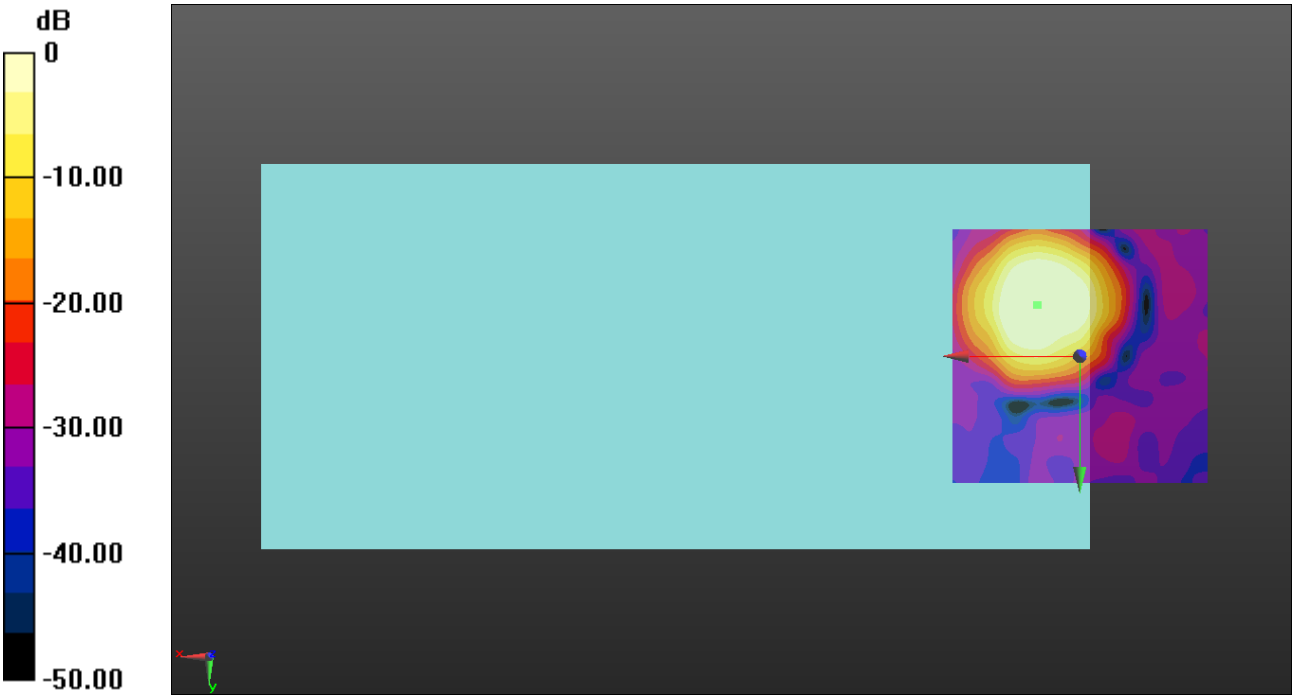
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 20MHz 16QAM RB1/0 ch132322/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.42 dB
ABM1 = 6.34 dBA/m
ABM2 = -38.08 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

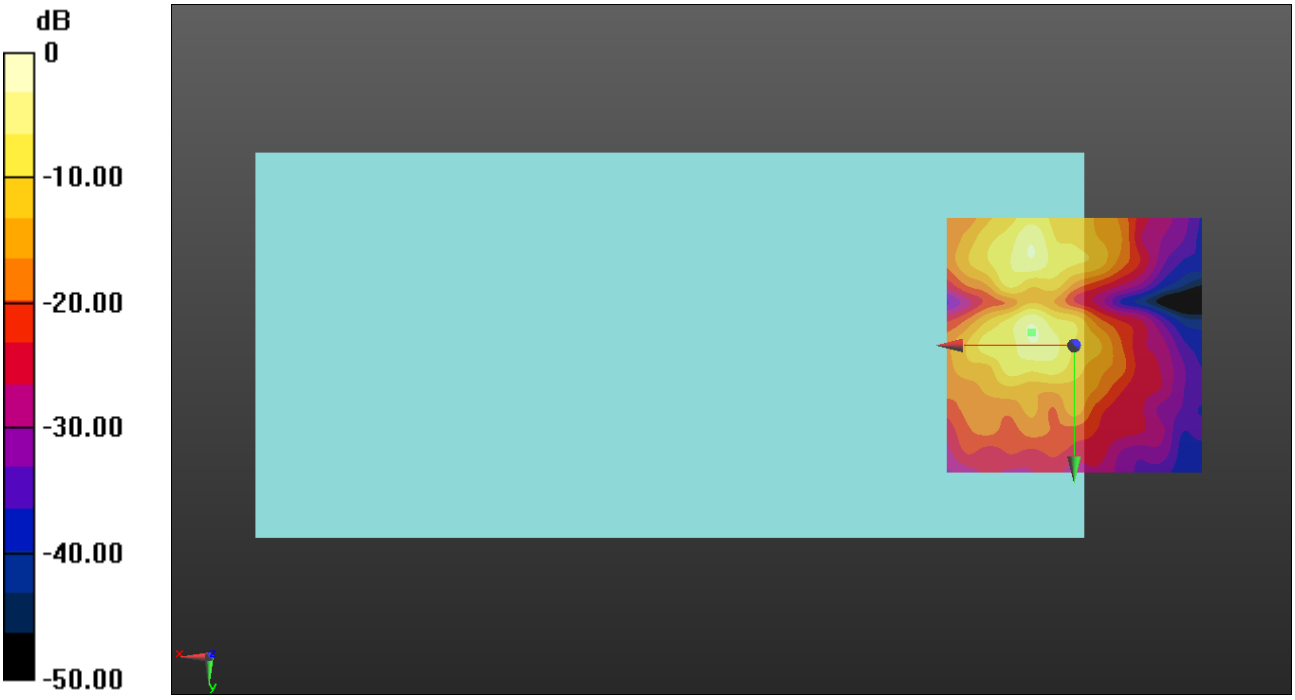
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66 20MHz 16QAM RB1/0 ch132322/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
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 = -2.79 dBA/m
ABM2 = -41.59 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

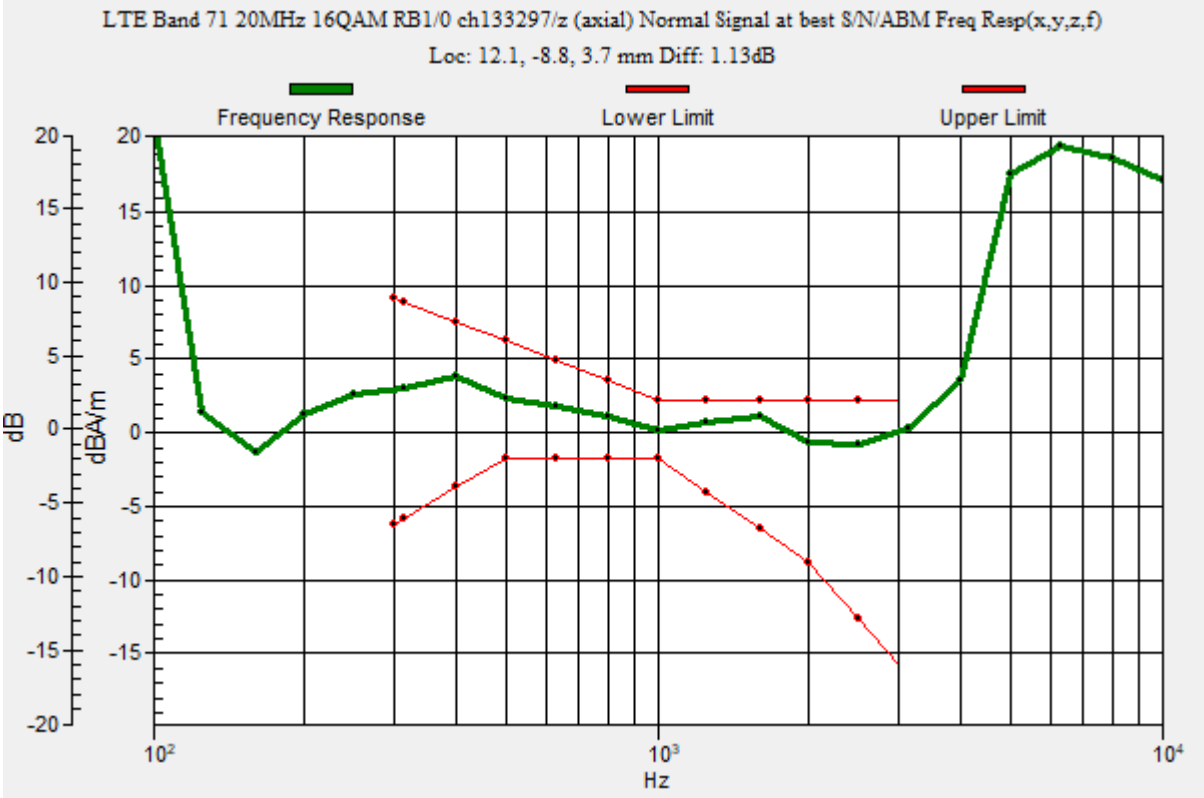
Communication System: UID 0, LTE (FDD) (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 20MHz 16QAM RB1/0 ch133297/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.13 dB
BWC Factor = 10.80 dB
Location: 12.1, -8.8, 3.7 mm



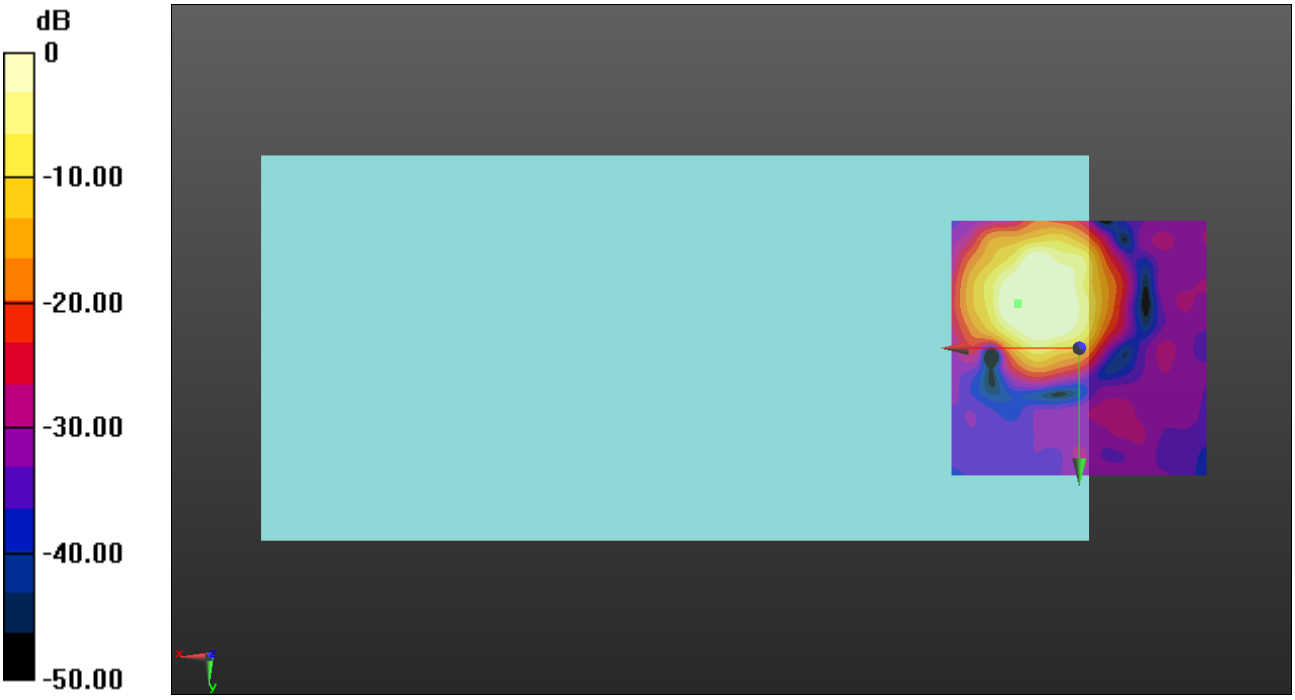
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 20MHz 16QAM RB1/0 ch133297/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 35.15 dB
ABM1 = 3.60 dBA/m
ABM2 = -31.55 dBA/m
BWC Factor = 0.16 dB
Location: 12.1, -8.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

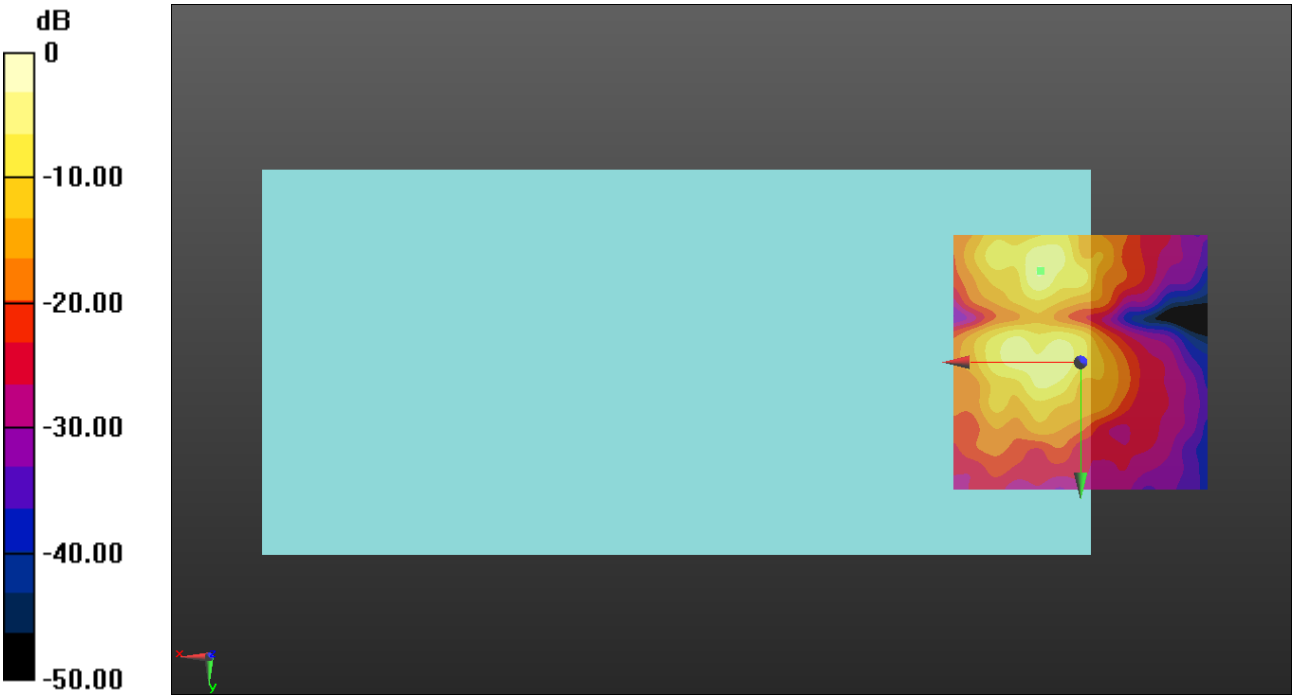
# OTT LTE

Communication System: UID 0, LTE (FDD) (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71 20MHz 16QAM RB1/0 ch133297/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 42.79 dB
ABM1 = -3.13 dBA/m
ABM2 = -45.92 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -17.9, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT LTE

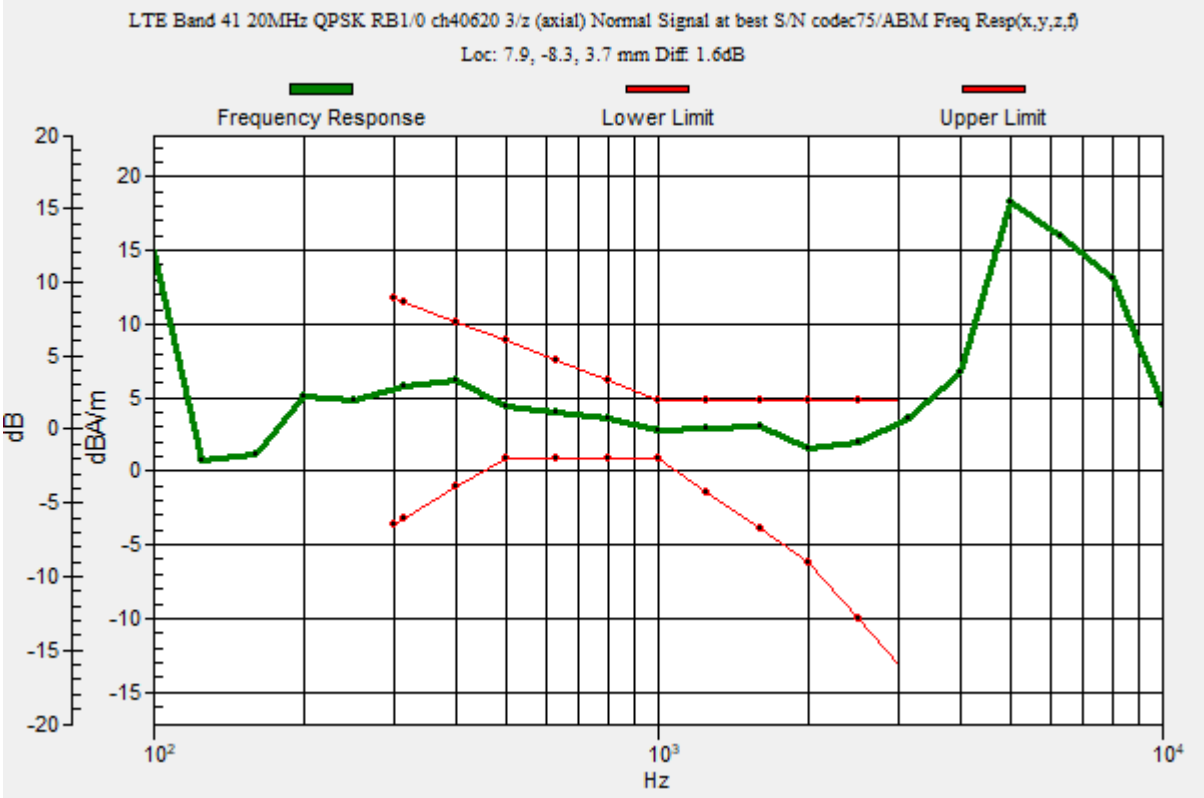
Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59956

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20MHz QPSK RB1/0 ch40620/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement

grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.60 dB
BWC Factor = 10.80 dB
Location: 7.9, -8.3, 3.7 mm



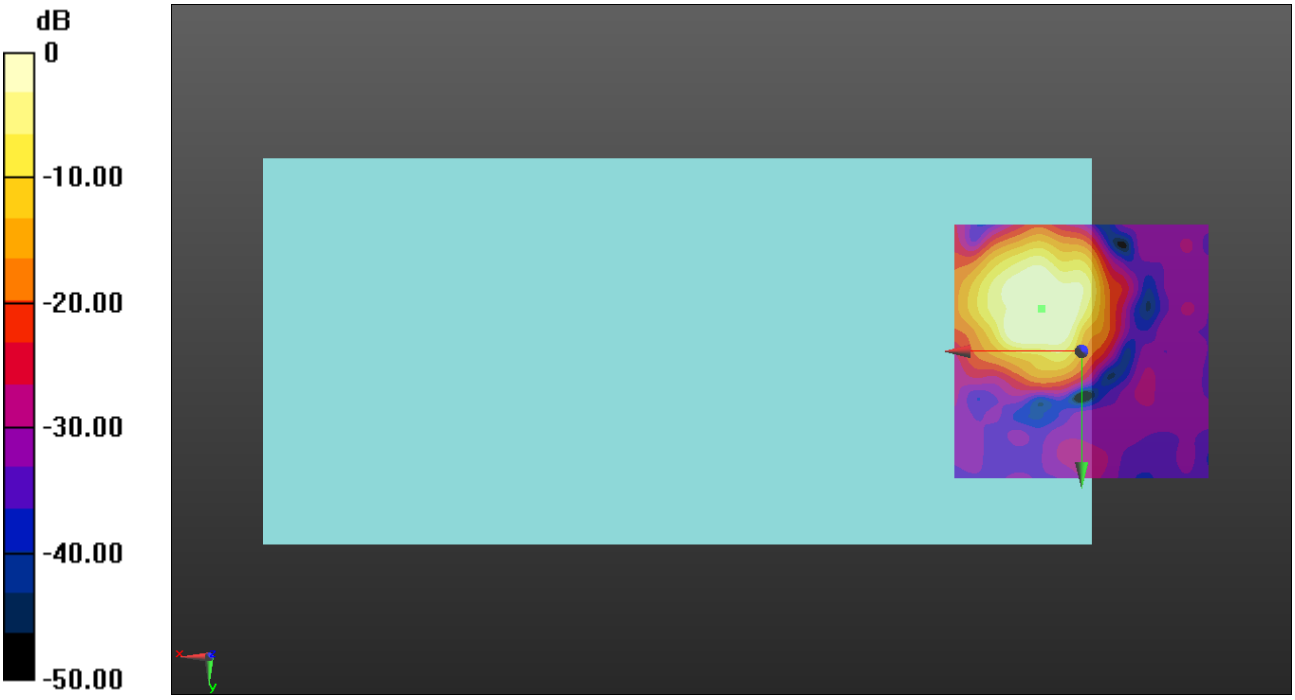
# OTT LTE

Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59956
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20MHz QPSK RB1/0 ch40620/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.15 dB
ABM1 = 5.62 dBA/m
ABM2 = -30.53 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -8.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

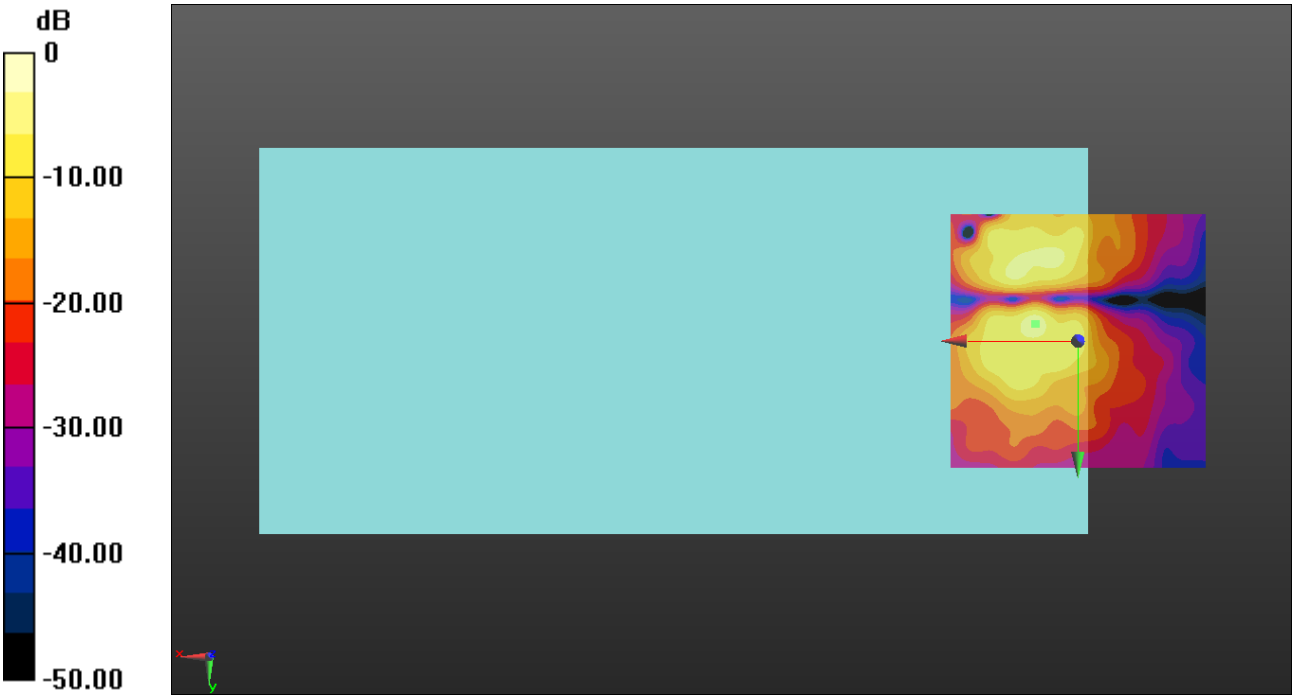
# OTT LTE

Communication System: UID 0, LTE (TDD) (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59956
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41 20MHz QPSK RB1/0 ch40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 32.16 dB
ABM1 = -4.81 dBA/m
ABM2 = -36.97 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -3.3, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT_Wi-Fi

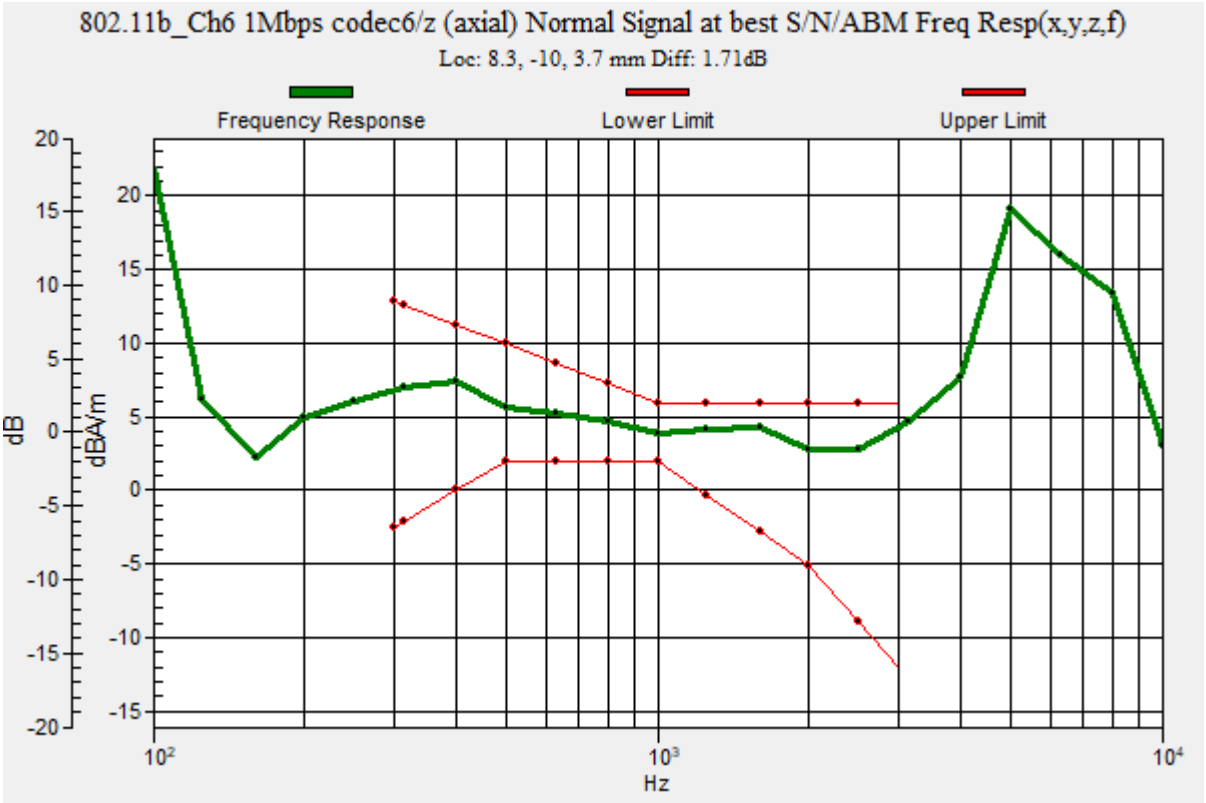
Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance) 2/802.11b_Ch6 1Mbps/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 1.71 dB
BWC Factor = 10.80 dB
Location: 8.3, -10, 3.7 mm



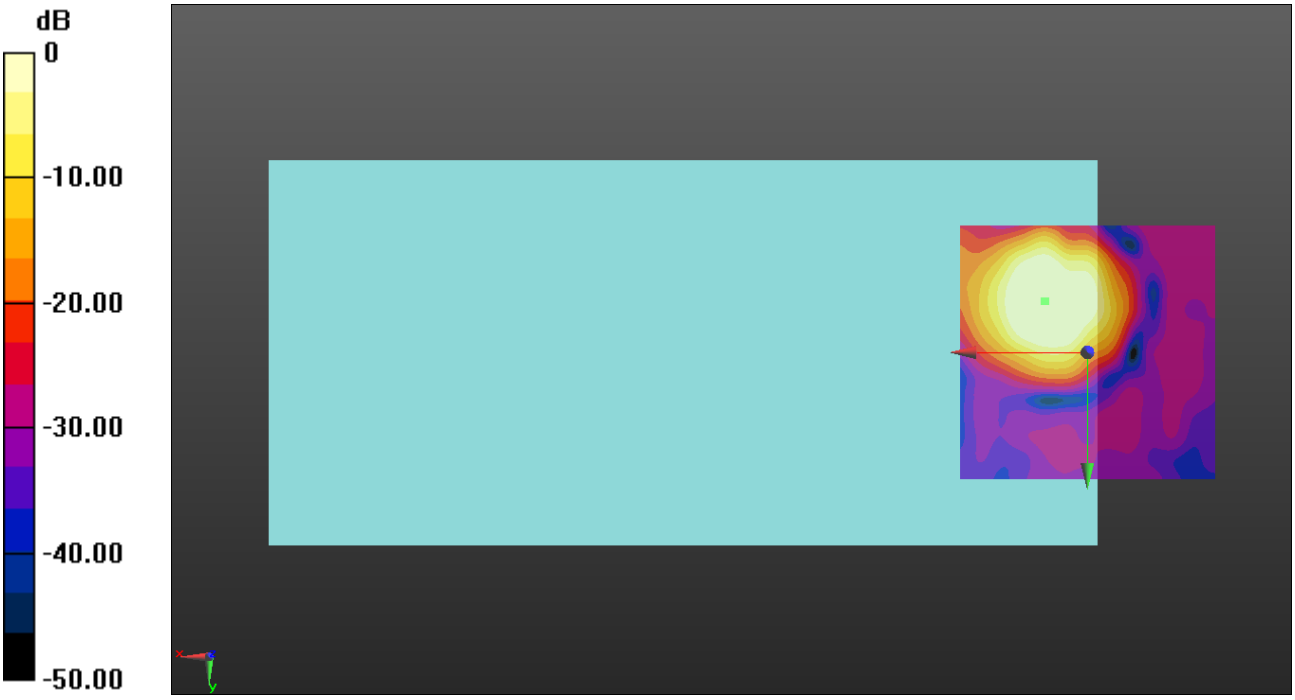
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance) 2/802.11b_Ch6 1Mbps/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 39.30 dB
ABM1 = 6.86 dBA/m
ABM2 = -32.44 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -10, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

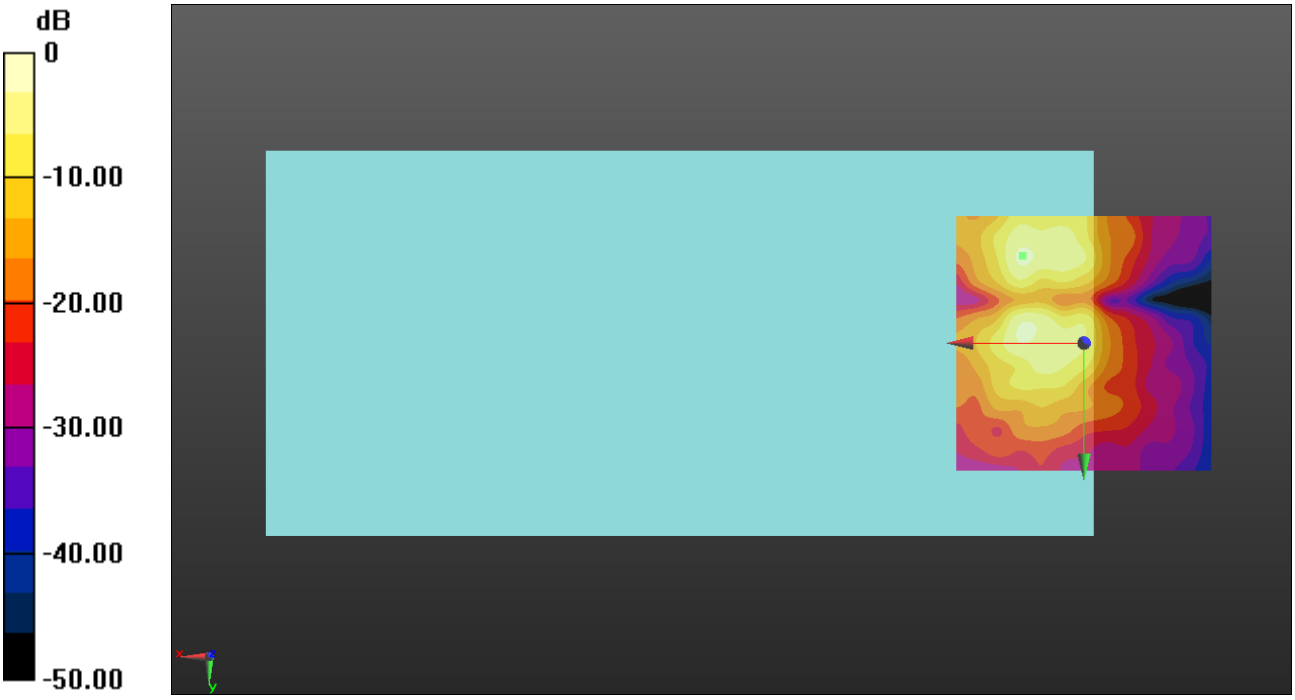
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance) 2/802.11b_Ch6 1Mbps/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 36.94 dB
ABM1 = -2.53 dBA/m
ABM2 = -39.47 dBA/m
BWC Factor = 0.16 dB
Location: 12.1, -17.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT_Wi-Fi

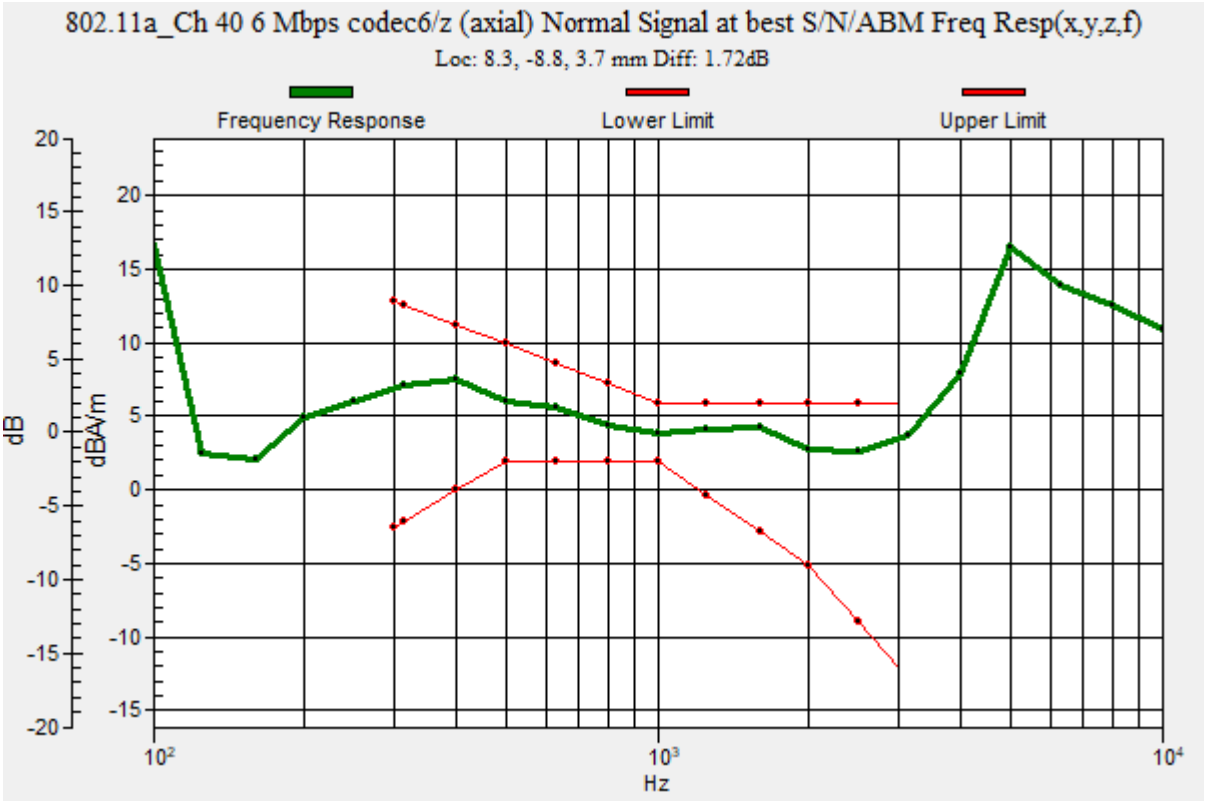
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 40 6 Mbps codec6/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.72 dB
BWC Factor = 10.80 dB
Location: 8.3, -8.8, 3.7 mm



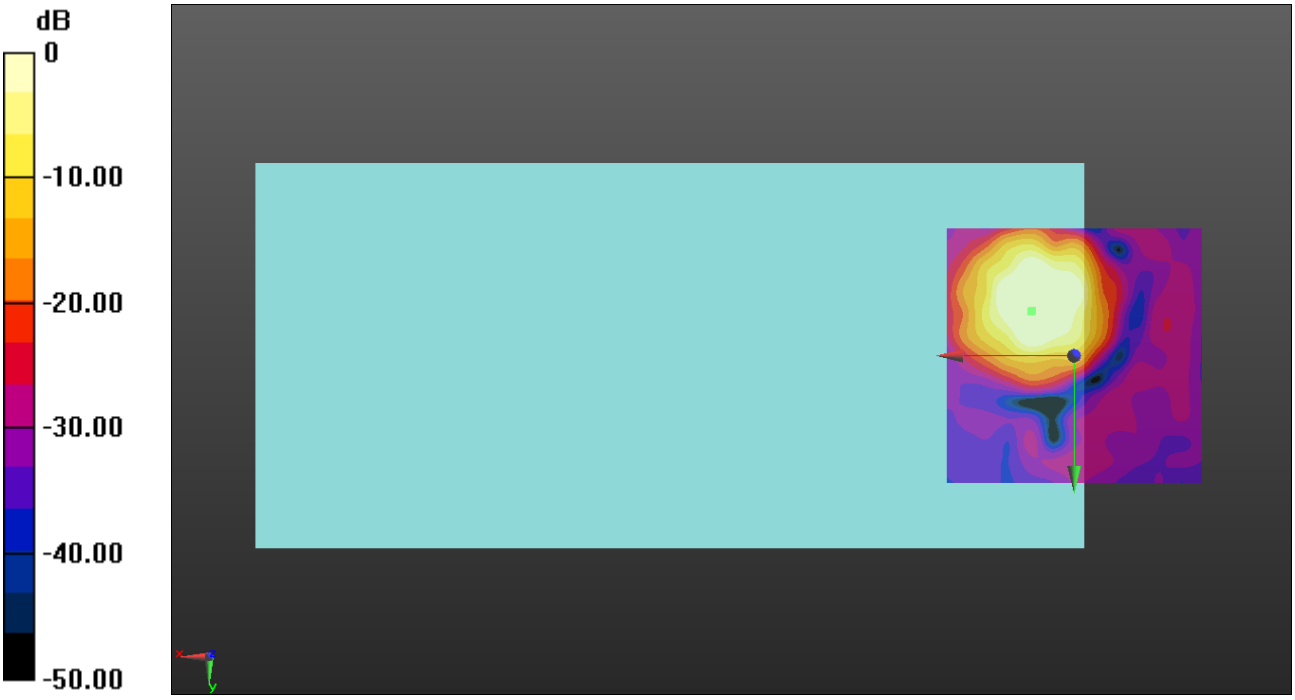
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 40 6 Mbps/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.59 dB
ABM1 = 7.06 dBA/m
ABM2 = -37.53 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -8.8, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

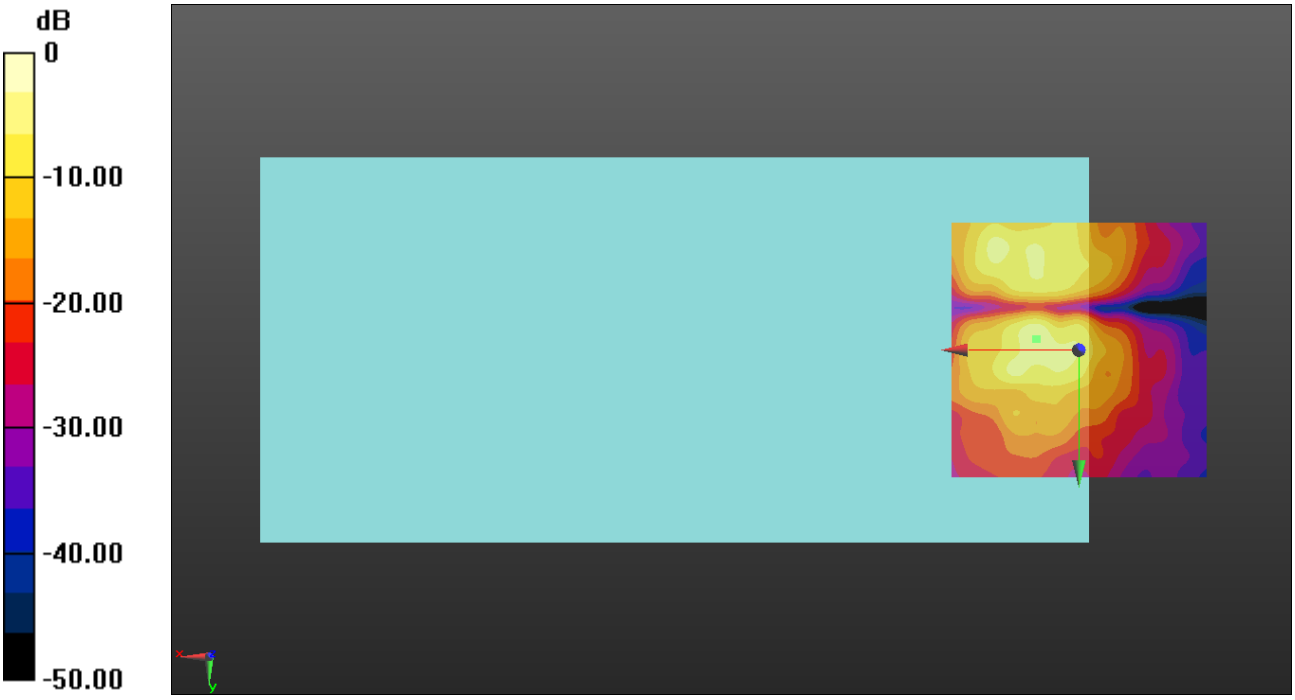
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5200 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 40 6 Mbps/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 38.13 dB
ABM1 = -3.77 dBA/m
ABM2 = -41.90 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -2.1, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT_Wi-Fi

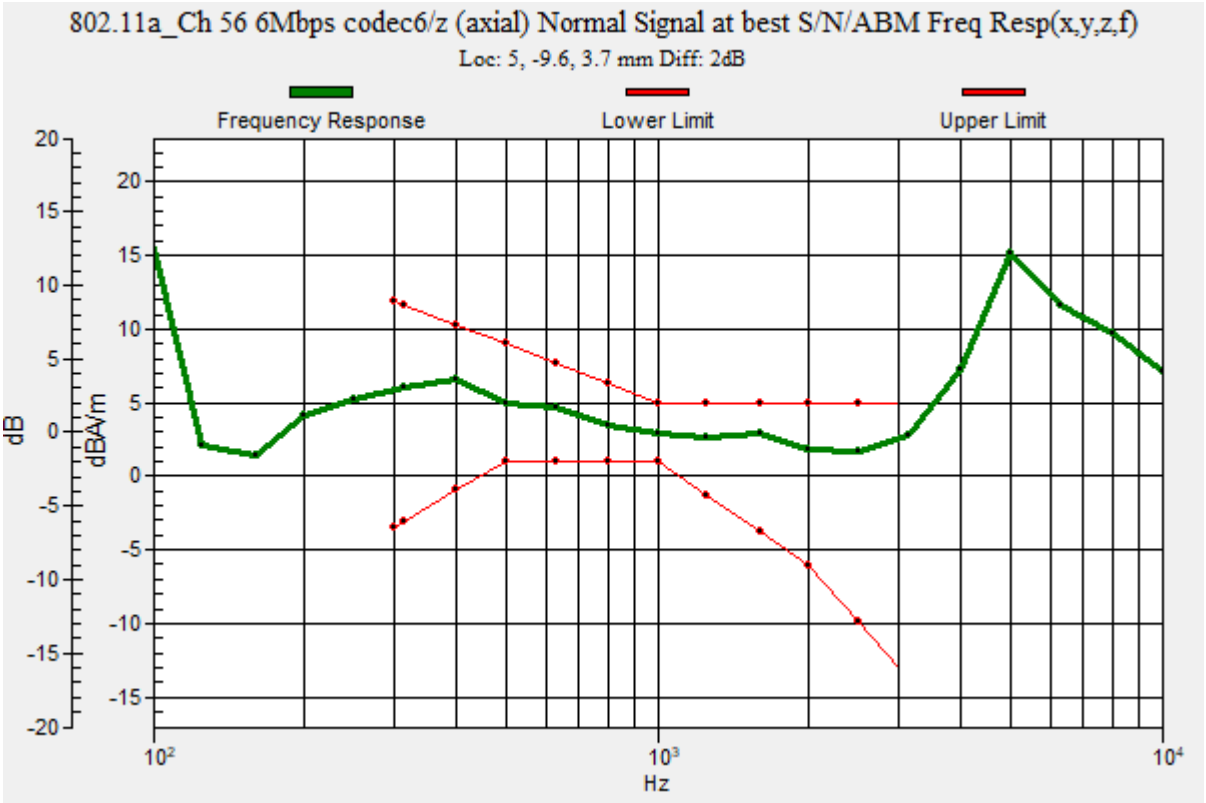
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 56 6Mbps/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

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

**Cursor:**
Diff = 2.00 dB
BWC Factor = 10.80 dB
Location: 5, -9.6, 3.7 mm



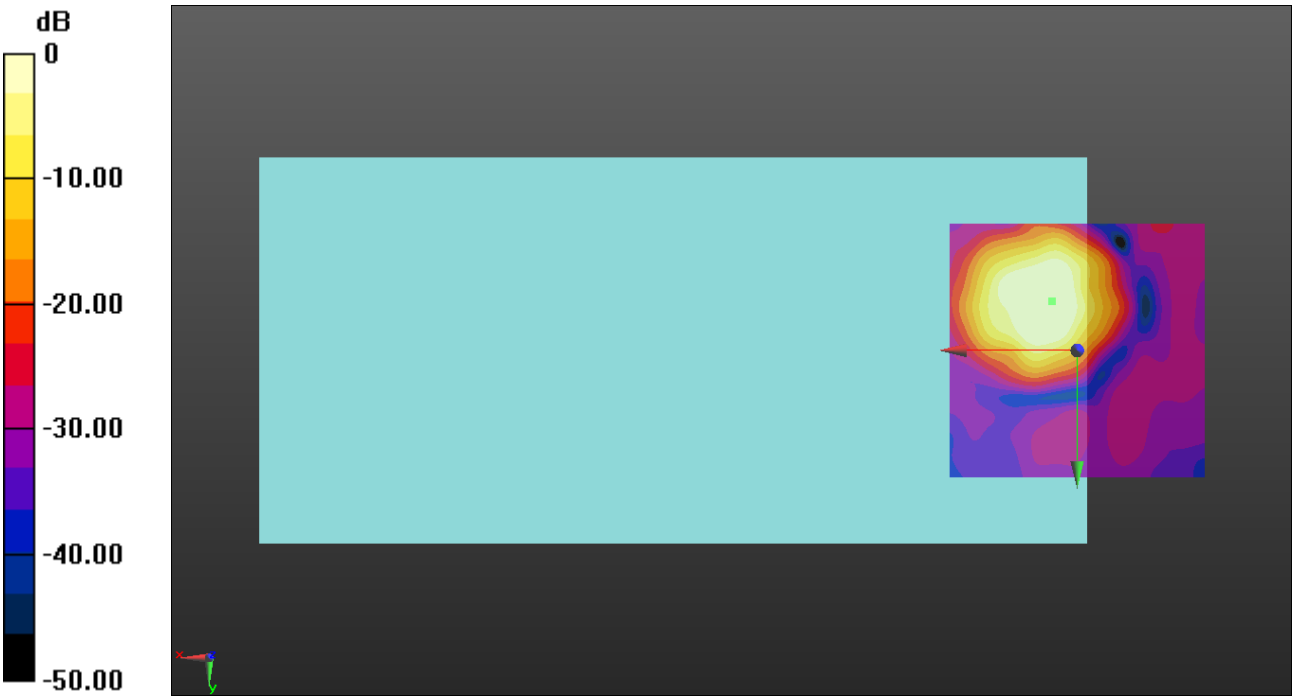
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 56/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.12 dB
ABM1 = 5.47 dBA/m
ABM2 = -37.65 dBA/m
BWC Factor = 0.16 dB
Location: 5, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

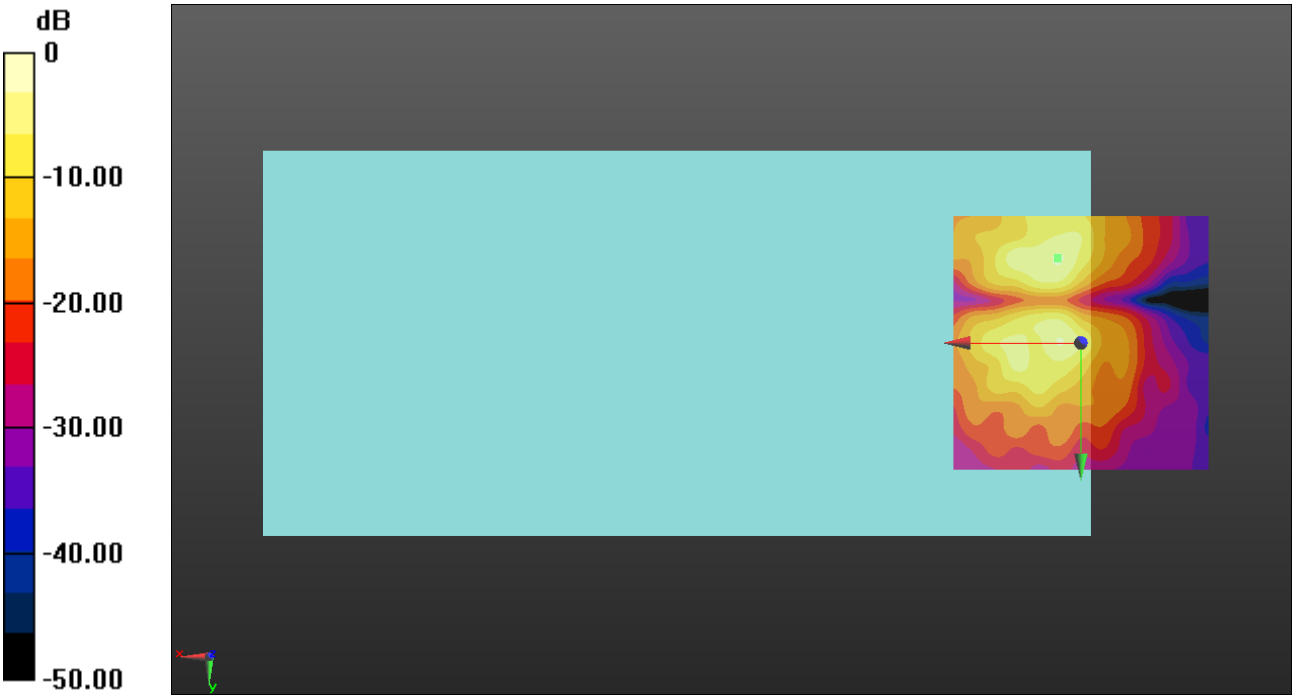
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5280 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 56 6Mbps/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.43 dB
ABM1 = -2.94 dBA/m
ABM2 = -46.37 dBA/m
BWC Factor = 0.16 dB
Location: 4.6, -16.7, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT_Wi-Fi

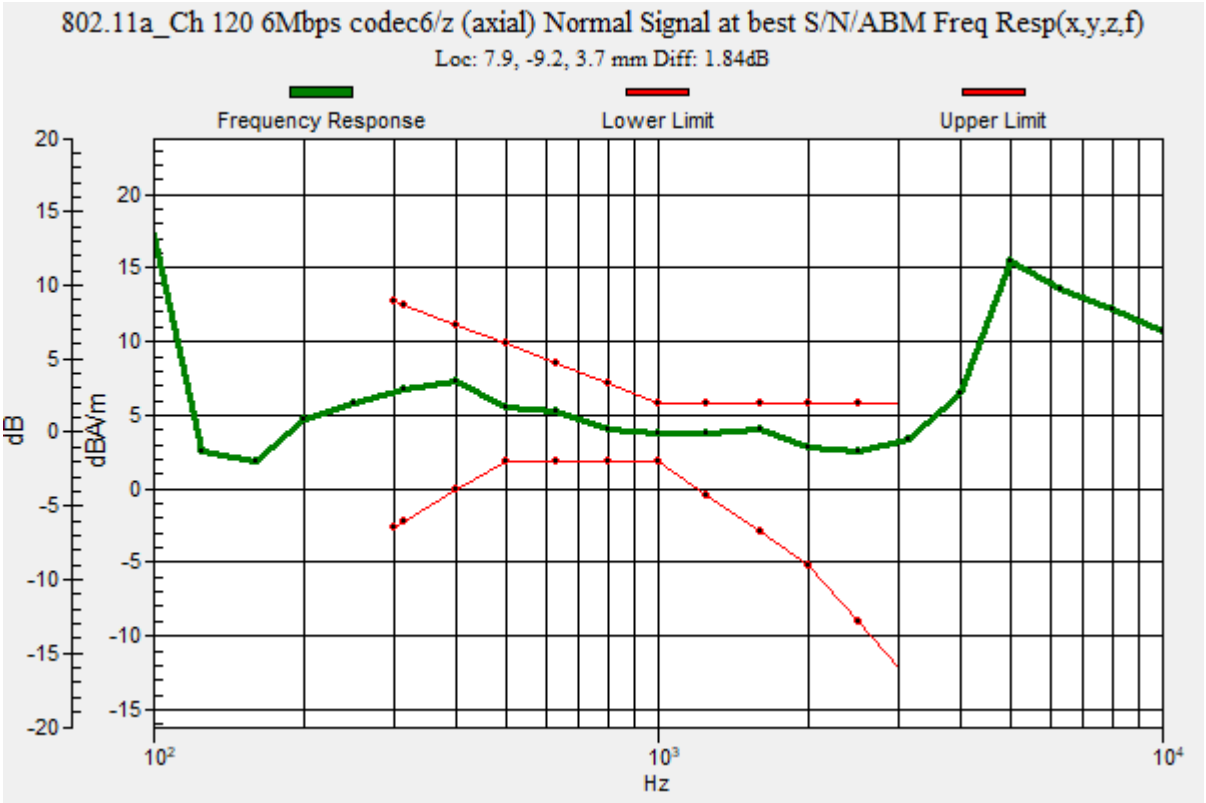
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 120 6Mbps/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.84 dB
BWC Factor = 10.80 dB
Location: 7.9, -9.2, 3.7 mm



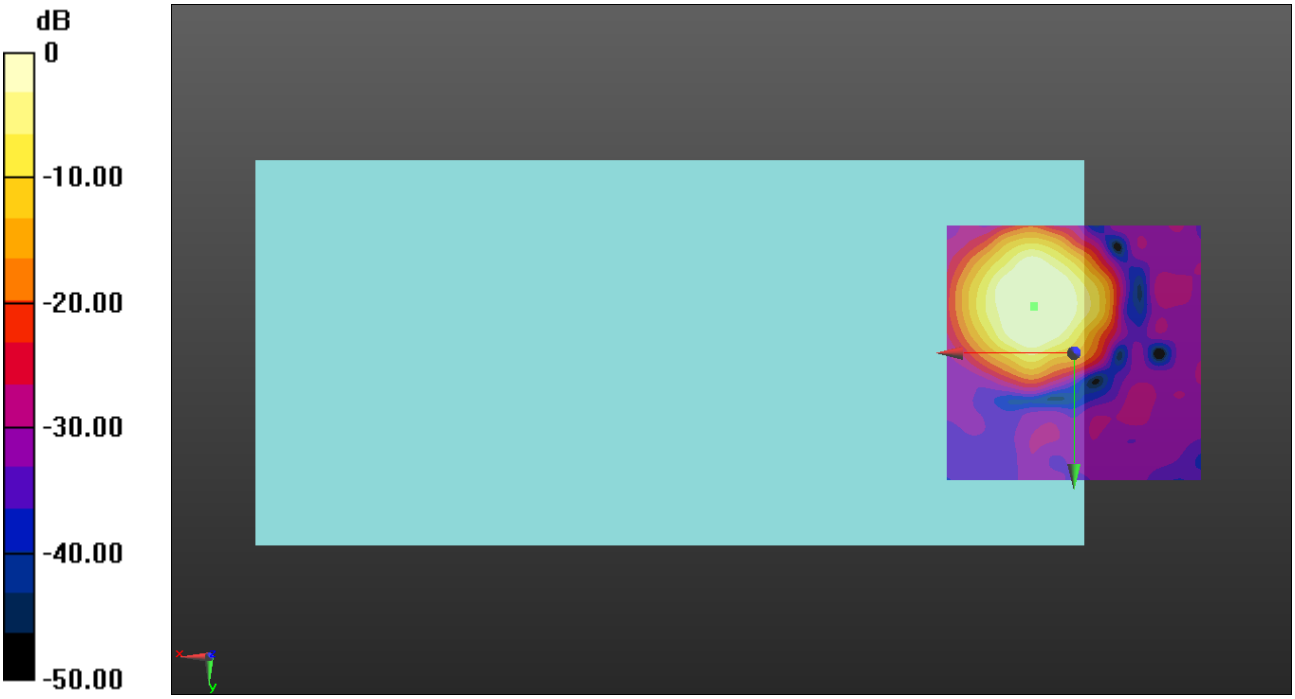
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 120 6Mbps/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 44.73 dB
ABM1 = 6.85 dBA/m
ABM2 = -37.88 dBA/m
BWC Factor = 0.16 dB
Location: 7.9, -9.2, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

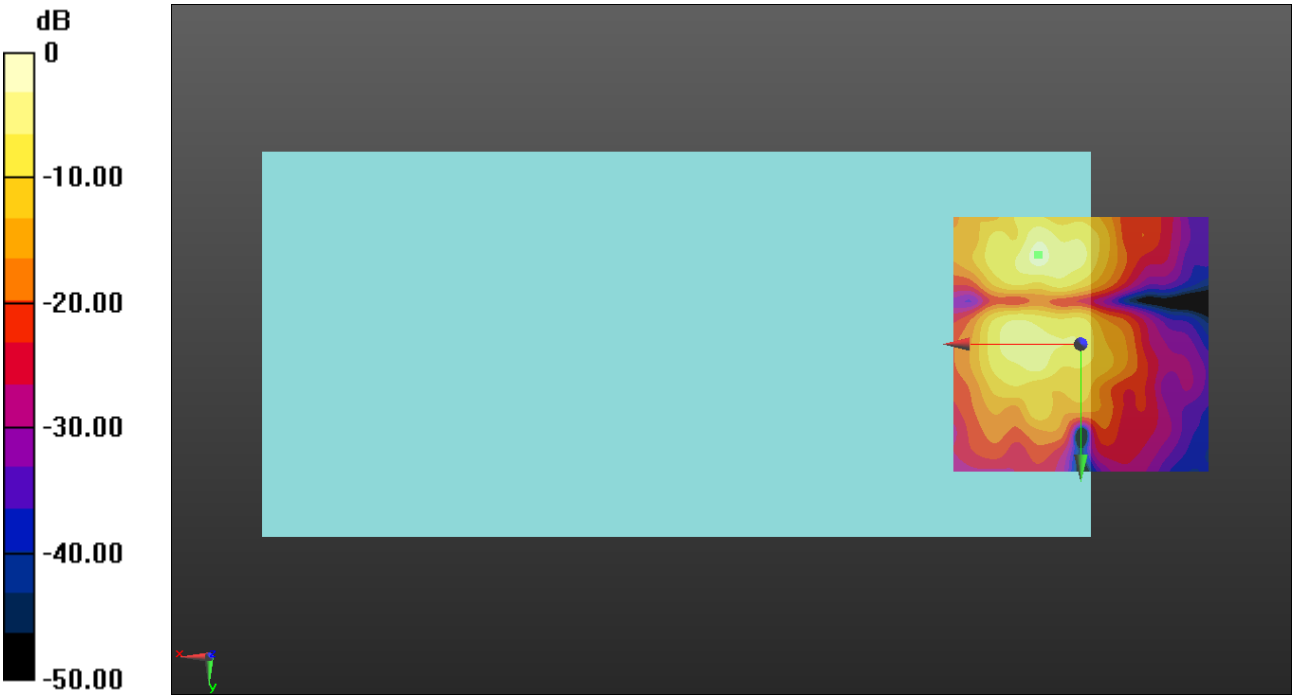
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 120 6Mbps/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.88 dB
ABM1 = -1.96 dBA/m
ABM2 = -43.84 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

# OTT_Wi-Fi

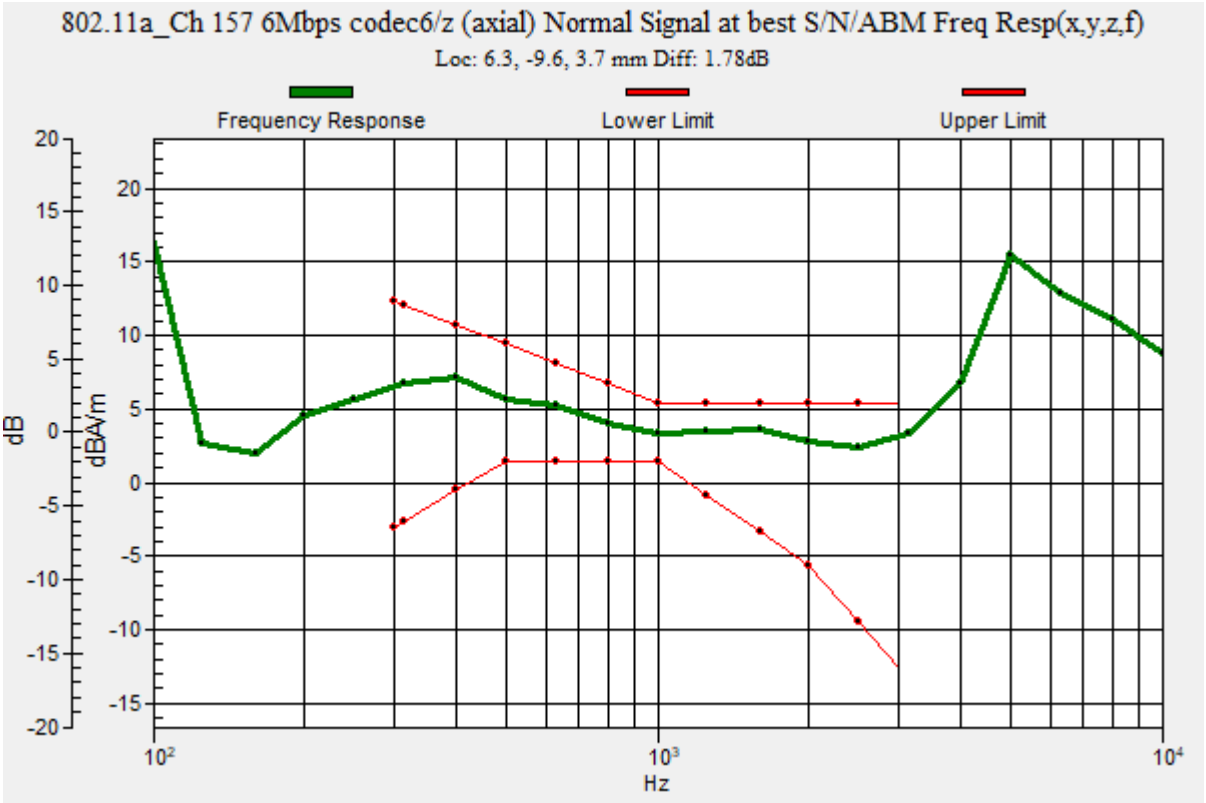
Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz;Duty Cycle: 1:1

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 157 6Mbps/z (axial) Normal Signal at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_Normal_51s.wav
Output Gain: 61.02
Measure Window Start: 2000ms
Measure Window Length: 51000ms
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 = 1.78 dB
BWC Factor = 10.80 dB
Location: 6.3, -9.6, 3.7 mm



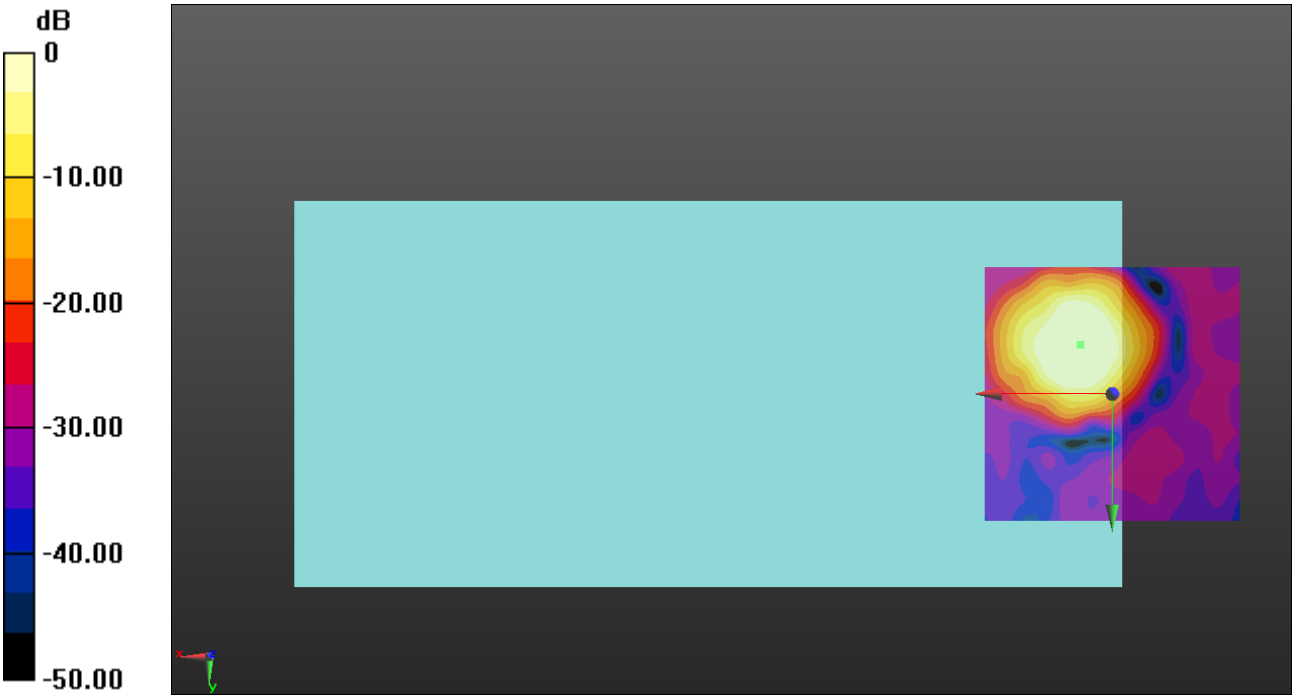
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 157 6Mbps/z (axial) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 43.45 dB
ABM1 = 5.56 dBA/m
ABM2 = -37.89 dBA/m
BWC Factor = 0.16 dB
Location: 6.3, -9.6, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m

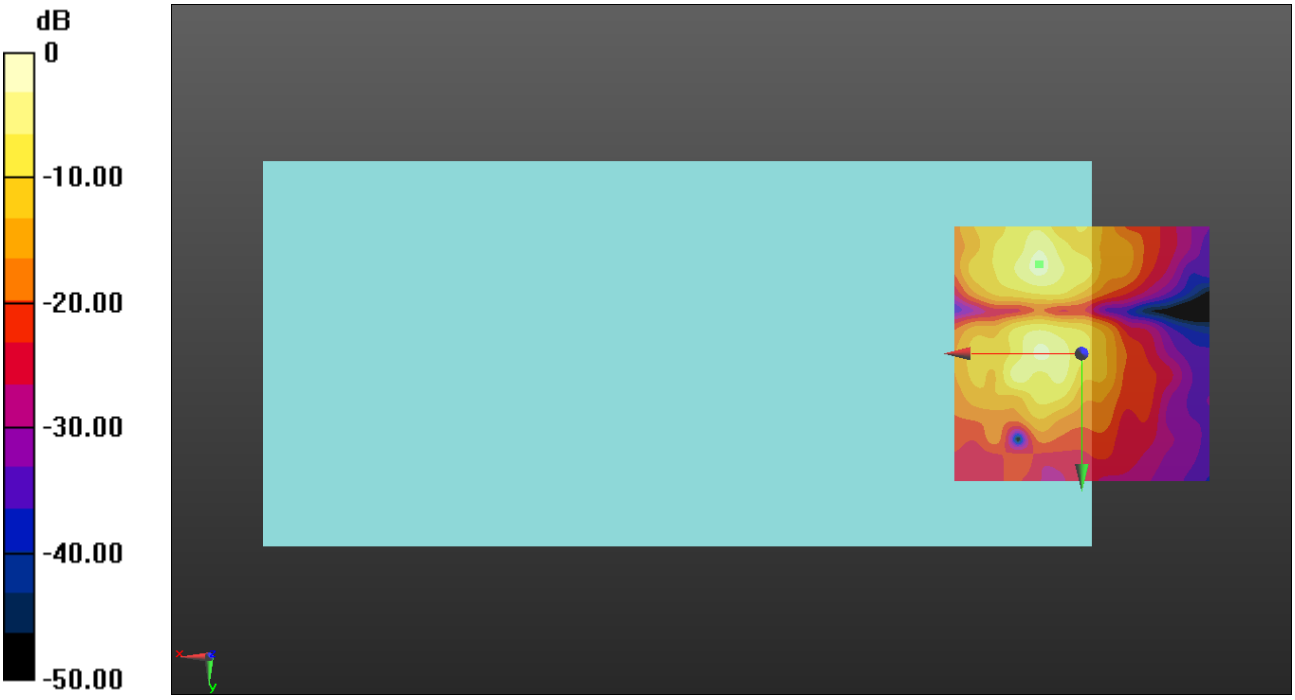
# OTT_Wi-Fi

Communication System: UID 0, IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5785 MHz; Duty Cycle: 1:1
Phantom section: TCoil Section
DASY5 Configuration:
- Probe: AM1DV3 - 3140; ; Calibrated: 2019-09-16
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1447; Calibrated: 2019-03-21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

## T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11a_Ch 157 6Mbps/y (transversal) 4.2mm 50 x 50/ABM Interpolated Signal(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: 20.07
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**
ABM1/ABM2 = 41.22 dB
ABM1 = -2.11 dBA/m
ABM2 = -43.33 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -17.5, 3.7 mm




0 dB = 1.000 A/m = 0.00 dBA/m