

GSM 850

Communication System: UID 0, 1@EGPRS-FDD (TDMA, 8PSK, 2 slot) (0); Frequency: 836.6 MHz;Duty Cycle: 1:4.00037

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850_EGPRS 2 Slot(s)_OTT_Ch. 190_Port A/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

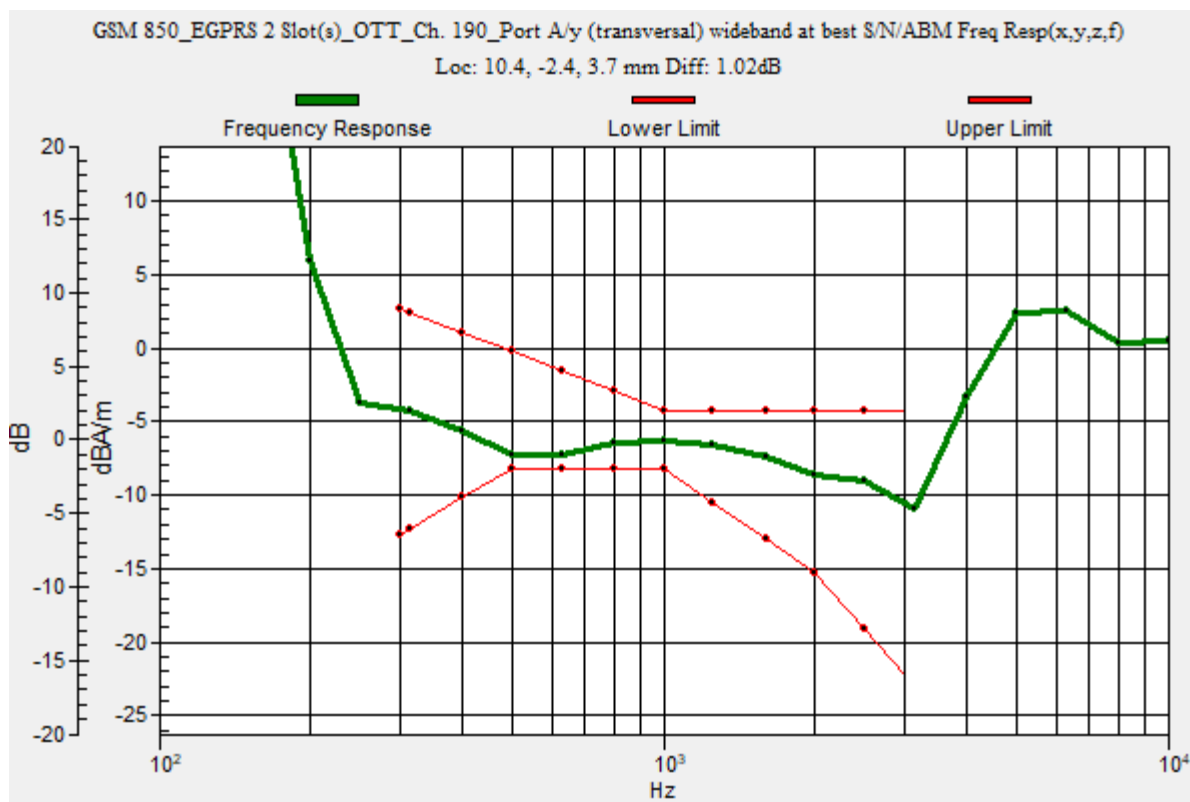
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.02 dB

BWC Factor = 10.80 dB

Location: 10.4, -2.4, 3.7 mm



GSM 850

Communication System: UID 0, 1@EGPRS-FDD (TDMA, 8PSK, 2 slot) (0); Frequency: 836.6 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 850_EGPRS 2

Slot(s)_OTT_Ch. 190_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

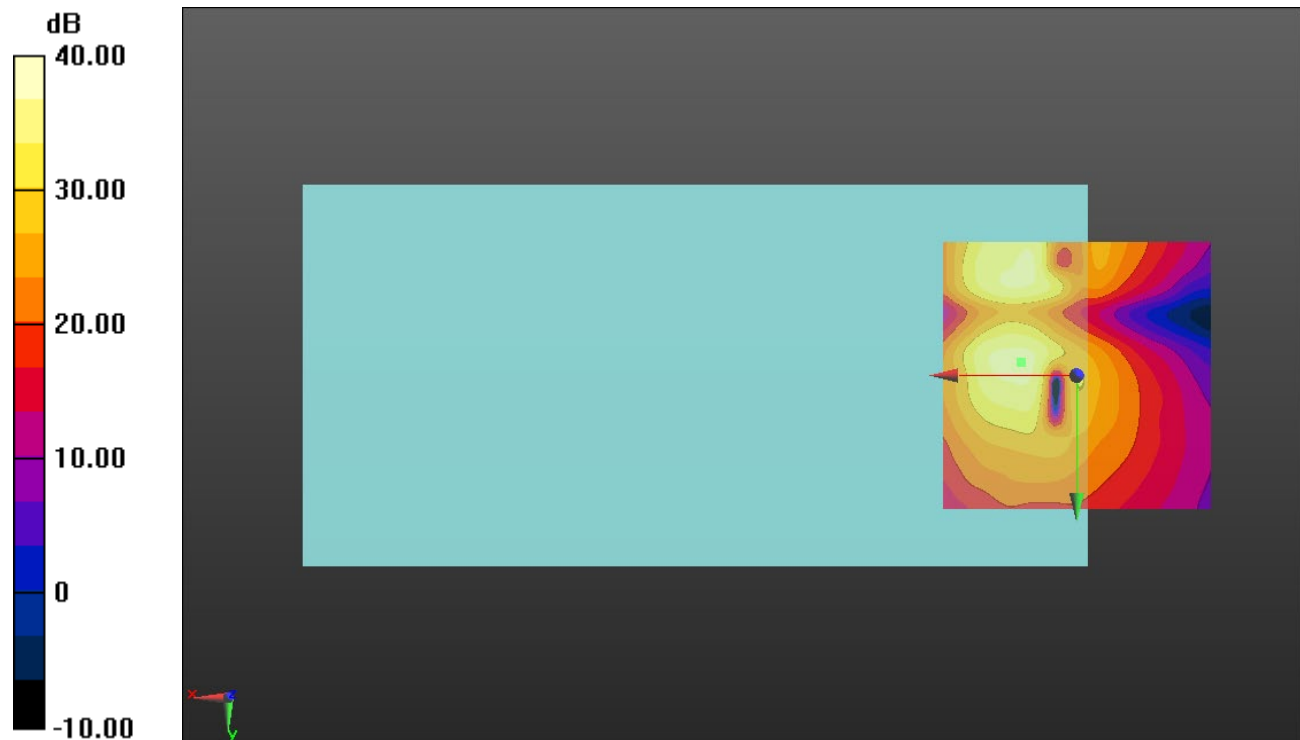
Cursor:

ABM1/ABM2 = 37.78 dB

ABM1 comp = -6.02 dBA/m

BWC Factor = 0.16 dB

Location: 10.4, -2.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

GSM 1900

Communication System: UID 0, 1@EGPRS-FDD (TDMA, 8PSK, 2 slot) (0); Frequency: 1880 MHz;Duty Cycle: 1:4.00037

T-Coil scan (scan for ANSI C63.19 2011 compliance)/GSM 1900_EGPRS 2 Slot(s)_OTT_Ch. 661_Port A/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

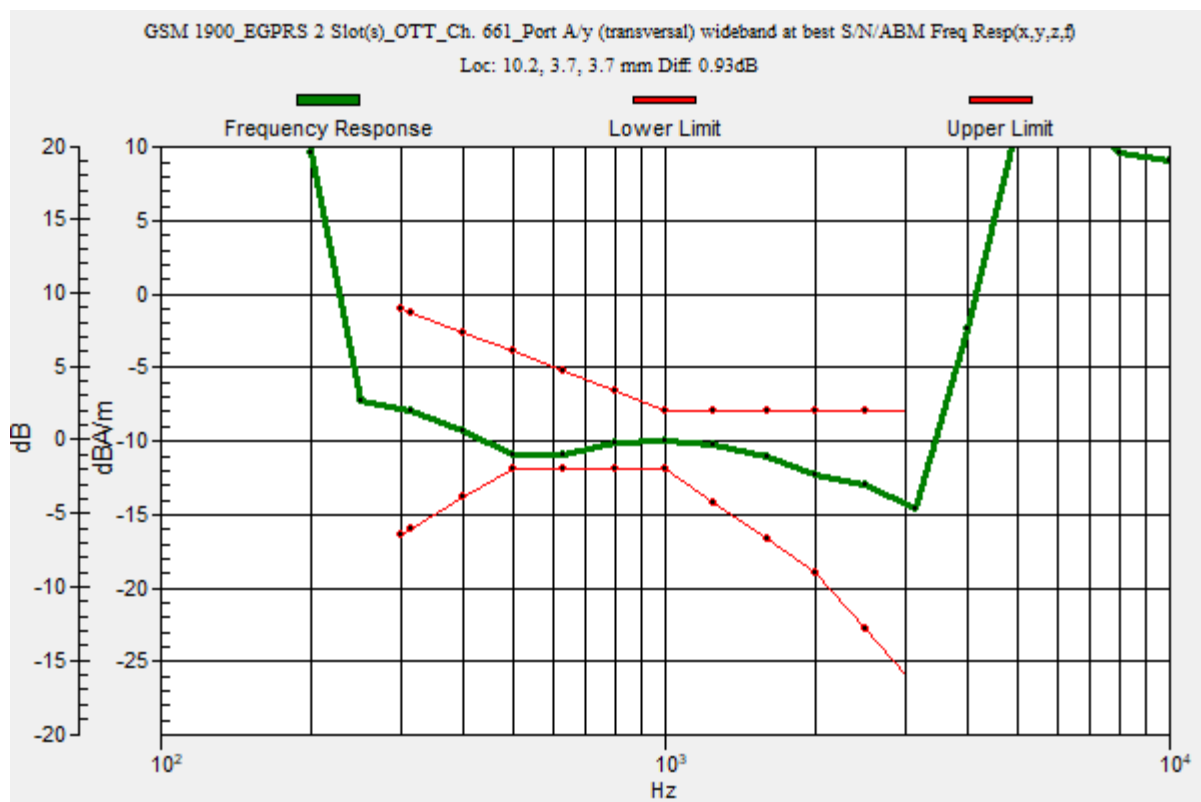
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.93 dB

BWC Factor = 10.80 dB

Location: 10.2, 3.7, 3.7 mm



GSM 1900

Communication System: UID 0, 1@EGPRS-FDD (TDMA, 8PSK, 2 slot) (0); Frequency: 1880 MHz; Duty Cycle: 1:4.00037

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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

Slot(s)_OTT_Ch. 661_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

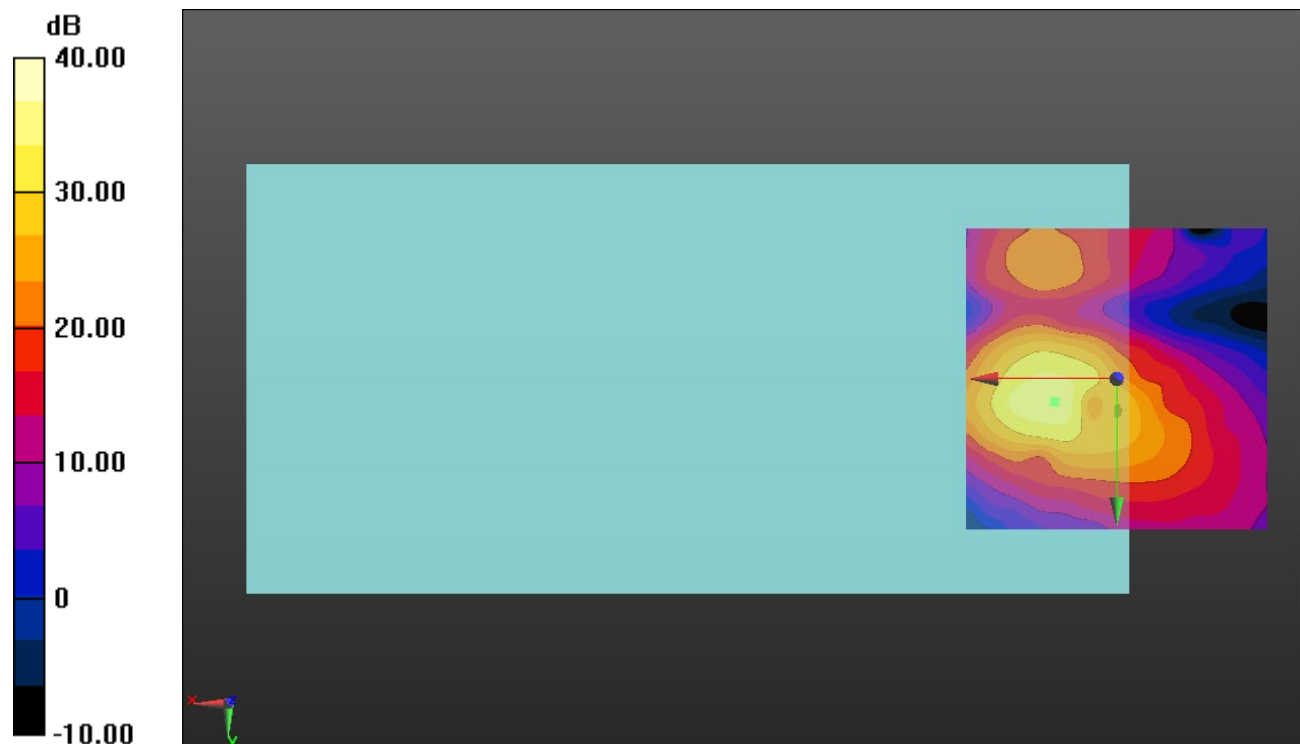
Cursor:

ABM1/ABM2 = 35.17 dB

ABM1 comp = -9.78 dBA/m

BWC Factor = 0.16 dB

Location: 10.4, 3.7, 3.7 mm



WCDMA Band II

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BII_OTT_HSPA_Ch. 9400_Port D/y (transversal) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

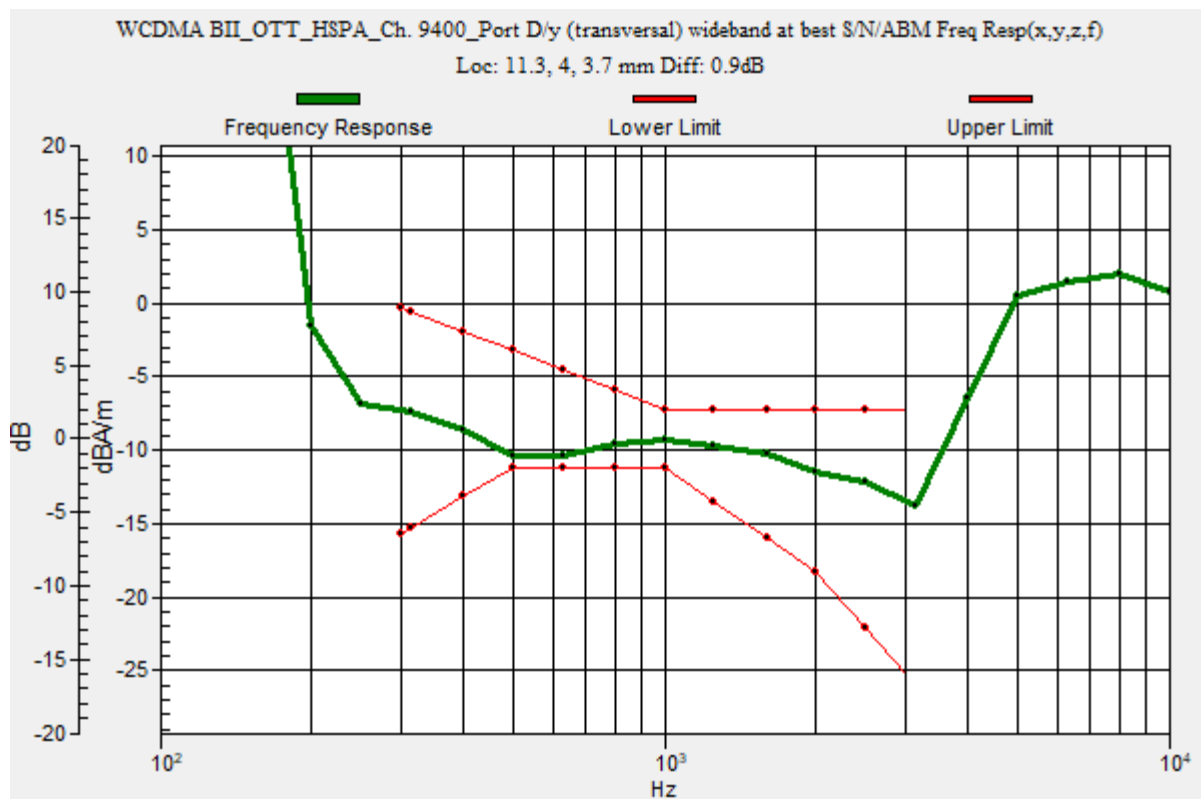
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.90 dB

BWC Factor = 10.80 dB

Location: 11.3, 4, 3.7 mm



WCDMA Band II

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BII_OTT_HSPA_Ch. 9400_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

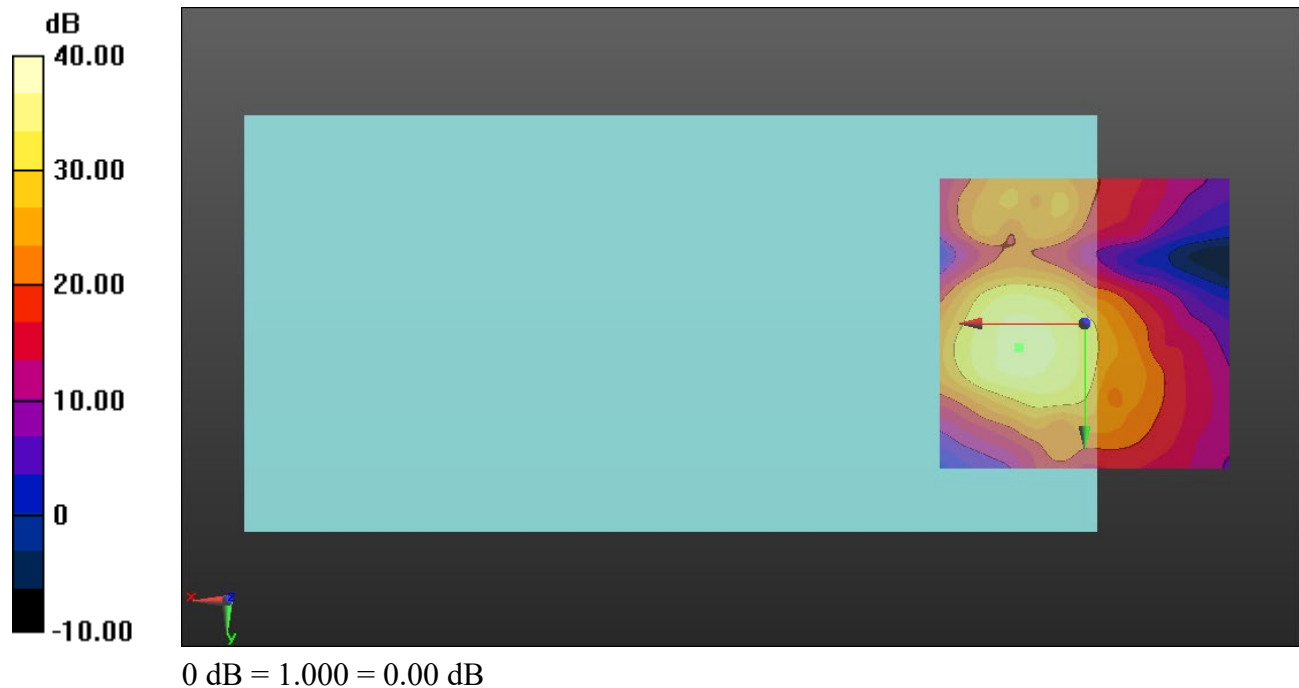
Cursor:

ABM1/ABM2 = 38.47 dB

ABM1 comp = -9.26 dBA/m

BWC Factor = 0.16 dB

Location: 11.3, 4.2, 3.7 mm



WCDMA Band IV

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BIV_OTT_HSPA_Ch. 1413_Port D/y (transversal) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

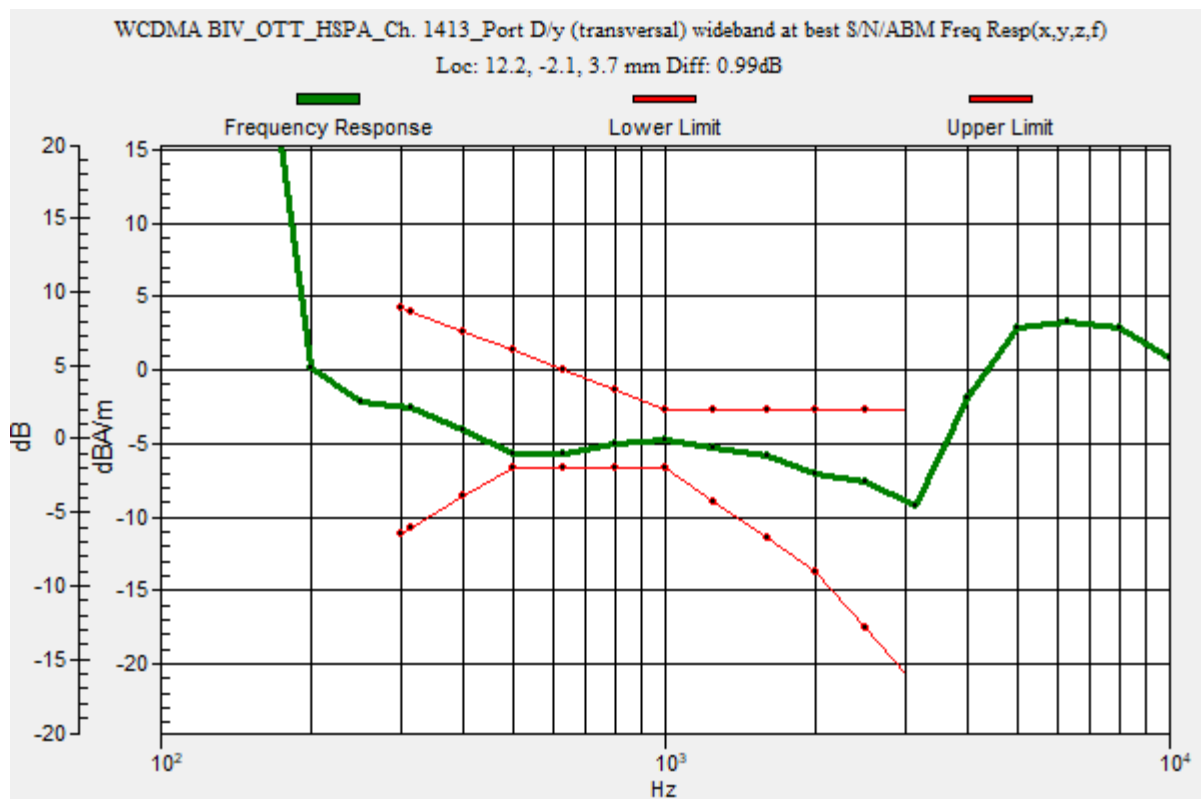
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.99 dB

BWC Factor = 10.80 dB

Location: 12.2, -2.1, 3.7 mm



WCDMA Band IV

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BIV_OTT_HSPA_Ch. 1413_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

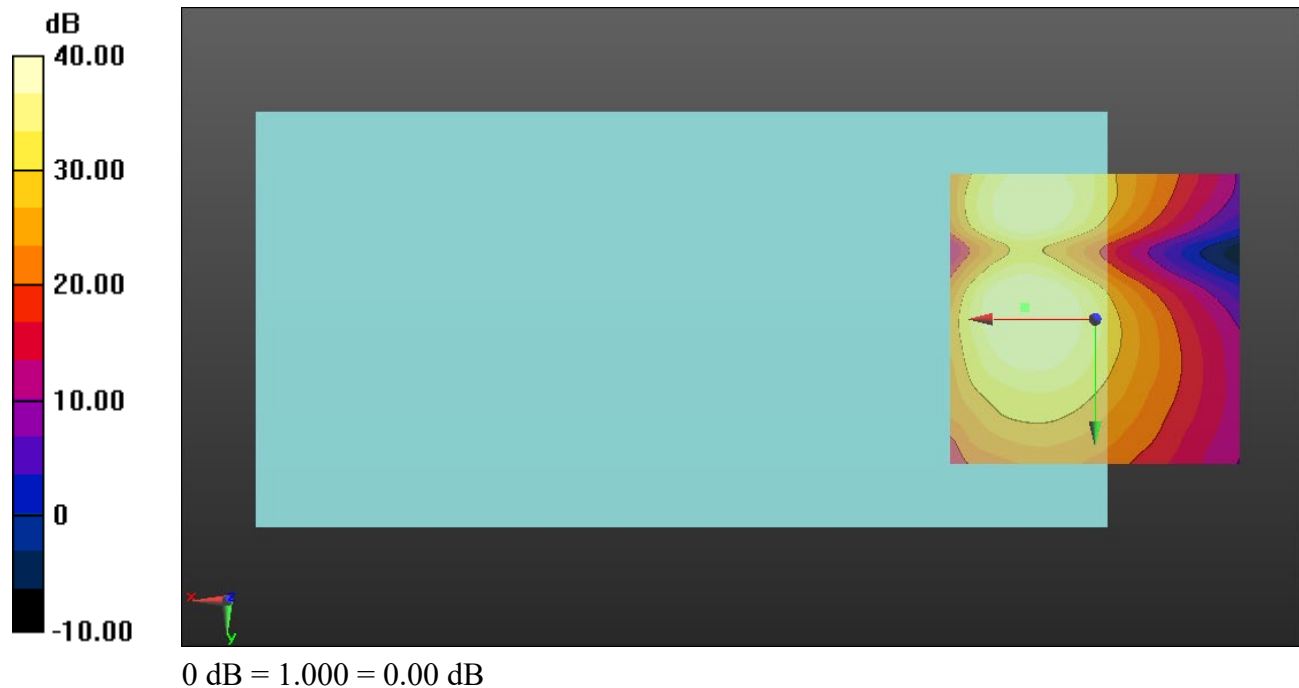
Cursor:

ABM1/ABM2 = 42.25 dB

ABM1 comp = -4.75 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -2.1, 3.7 mm



WCDMA Band V

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BV_OTT_HSPA_Ch. 4183_Port B/y (transversal) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

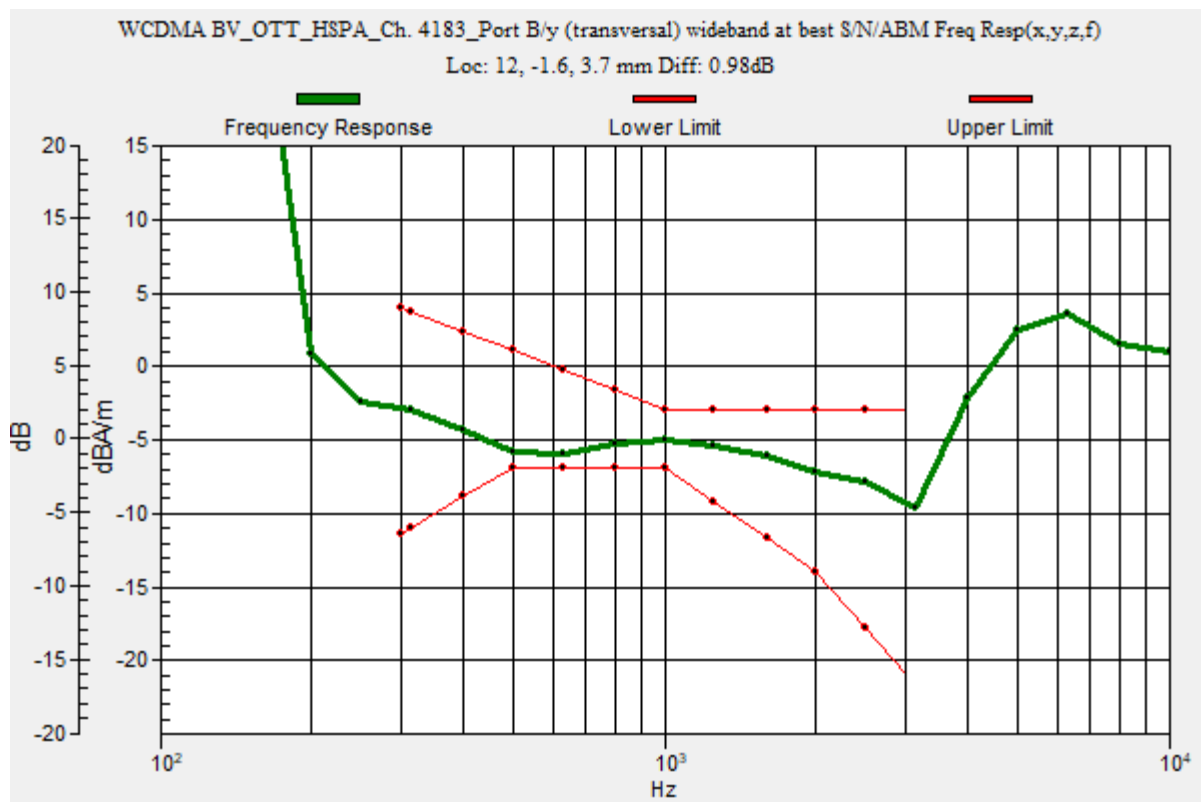
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.98 dB

BWC Factor = 10.80 dB

Location: 12, -1.6, 3.7 mm



WCDMA Band V

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/WCDMA BV_OTT_HSPA_Ch. 4183_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

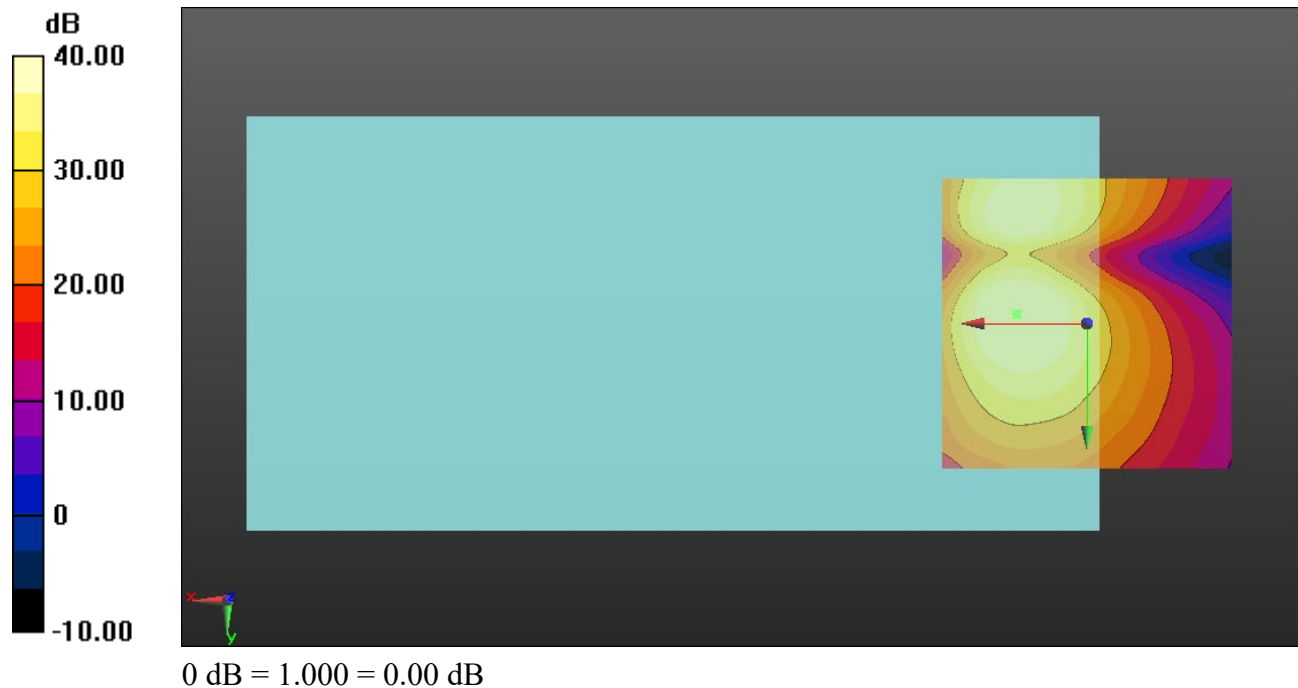
Cursor:

ABM1/ABM2 = 42.07 dB

ABM1 comp = -4.83 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -1.7, 3.7 mm



CDMA BC0

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 848.31 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0_EVDO Rel 0_OTT_Ch 777_Port B/y (transversal) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

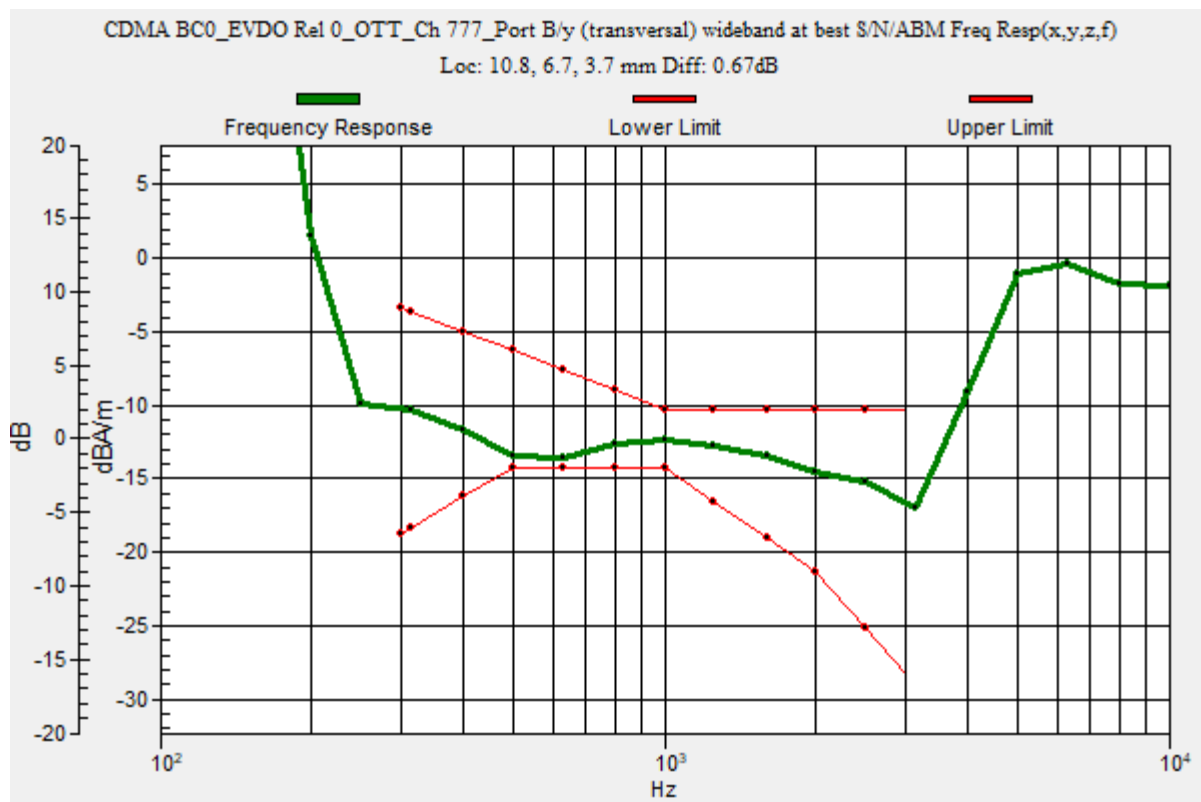
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.67 dB

BWC Factor = 10.80 dB

Location: 10.8, 6.7, 3.7 mm



CDMA BC0

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 848.31 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC0_EVDO Rel 0_OTT_Ch 777_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

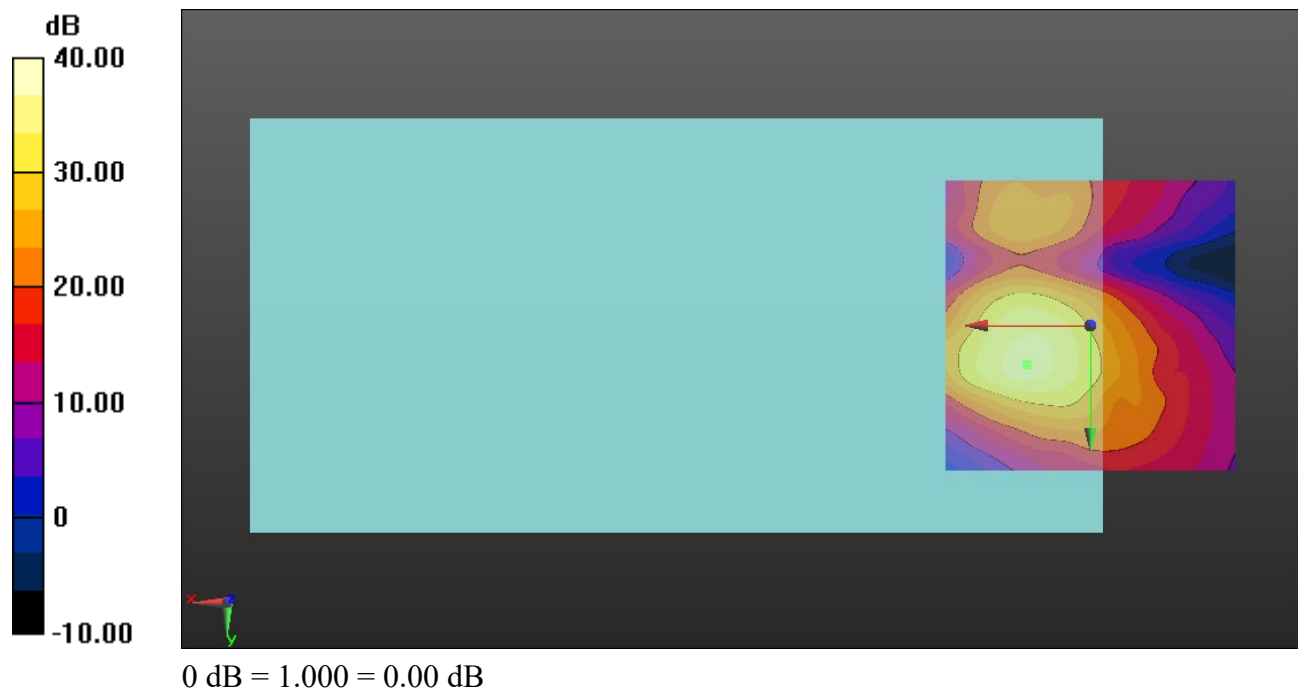
Cursor:

ABM1/ABM2 = 38.07 dB

ABM1 comp = -12.19 dBA/m

BWC Factor = 0.16 dB

Location: 10.8, 6.7, 3.7 mm



CDMA BC1

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 1908.75 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1_EVDO Rel 0_OTT_Ch 1175_Port B/y (transversal) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

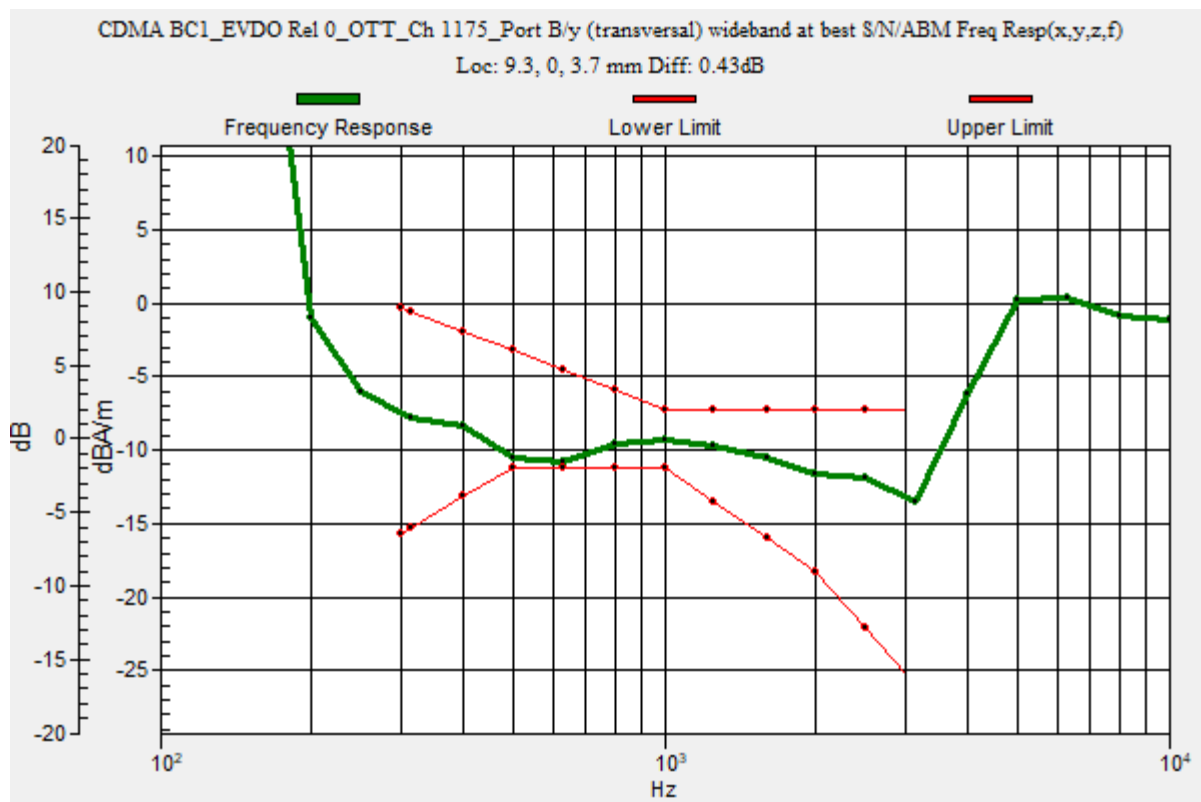
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.43 dB

BWC Factor = 10.80 dB

Location: 9.3, 0, 3.7 mm



CDMA BC1

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 1908.75 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC1_EVDO Rel 0_OTT_Ch 1175_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

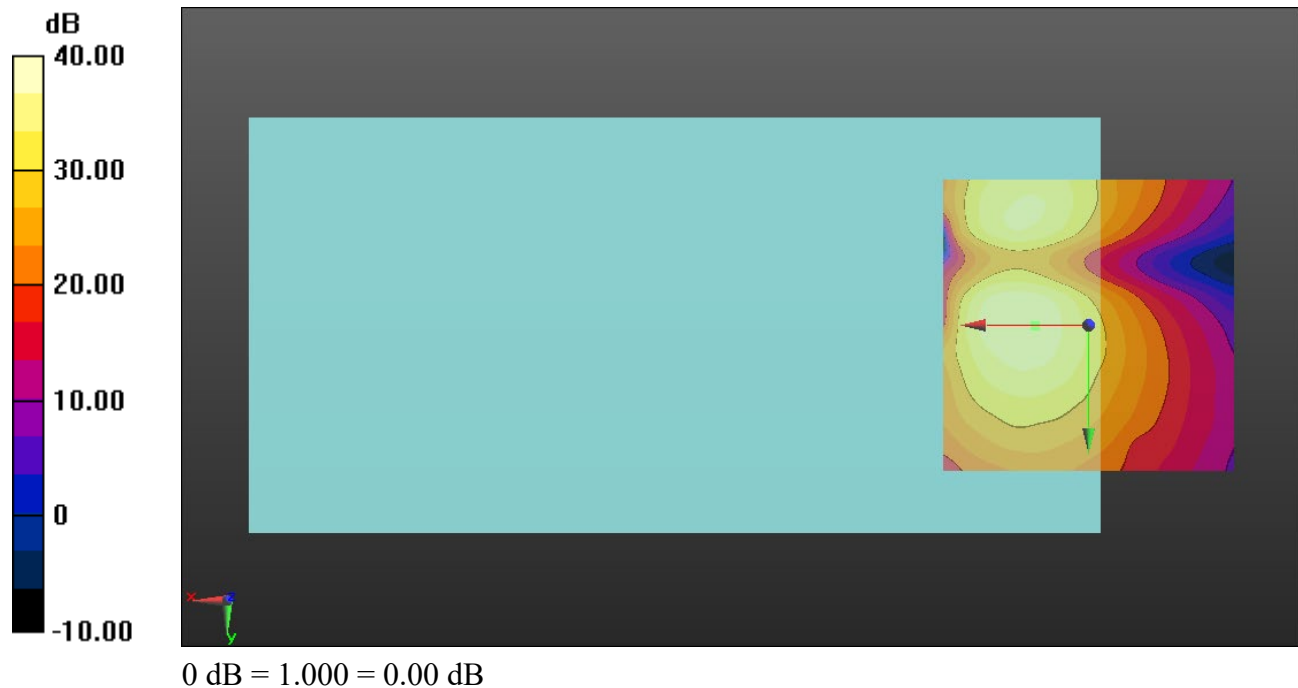
Cursor:

ABM1/ABM2 = 39.67 dB

ABM1 comp = -8.57 dBA/m

BWC Factor = 0.16 dB

Location: 9.2, 0, 3.7 mm



CDMA BC10

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 822.75 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10_EVDO Rel 0_OTT_Ch 670_Port B/y (transversal) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

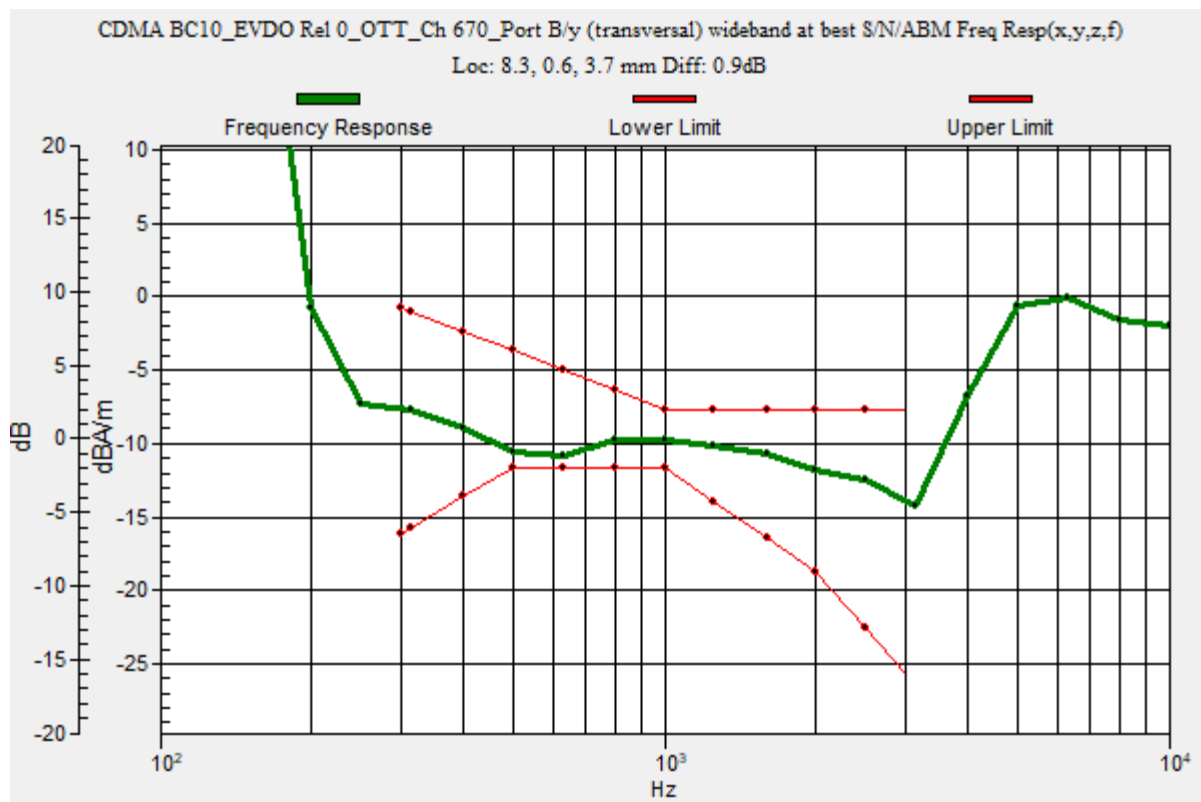
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.90 dB

BWC Factor = 10.80 dB

Location: 8.3, 0.6, 3.7 mm



CDMA BC10

Communication System: UID 0, 1@CDMA2000 (0); Frequency: 822.75 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/CDMA BC10_EVDO Rel 0_OTT_Ch 670_Port B/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

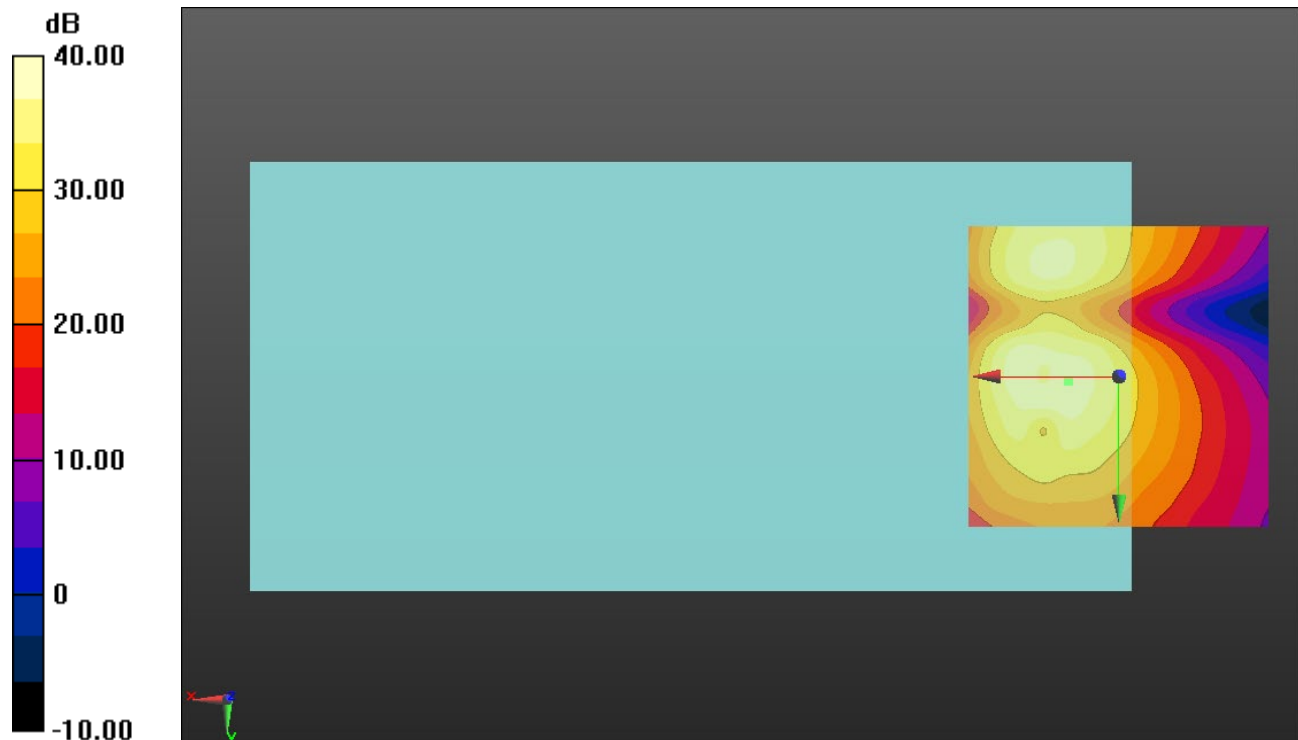
Cursor:

ABM1/ABM2 = 39.34 dB

ABM1 comp = -9.95 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0.8, 3.7 mm



0 dB = 1.000 = 0.00 dB

LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1860 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2_16QAM_20 MHz BW_1/0 RB_OTT_Ch. 18700_Port D/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

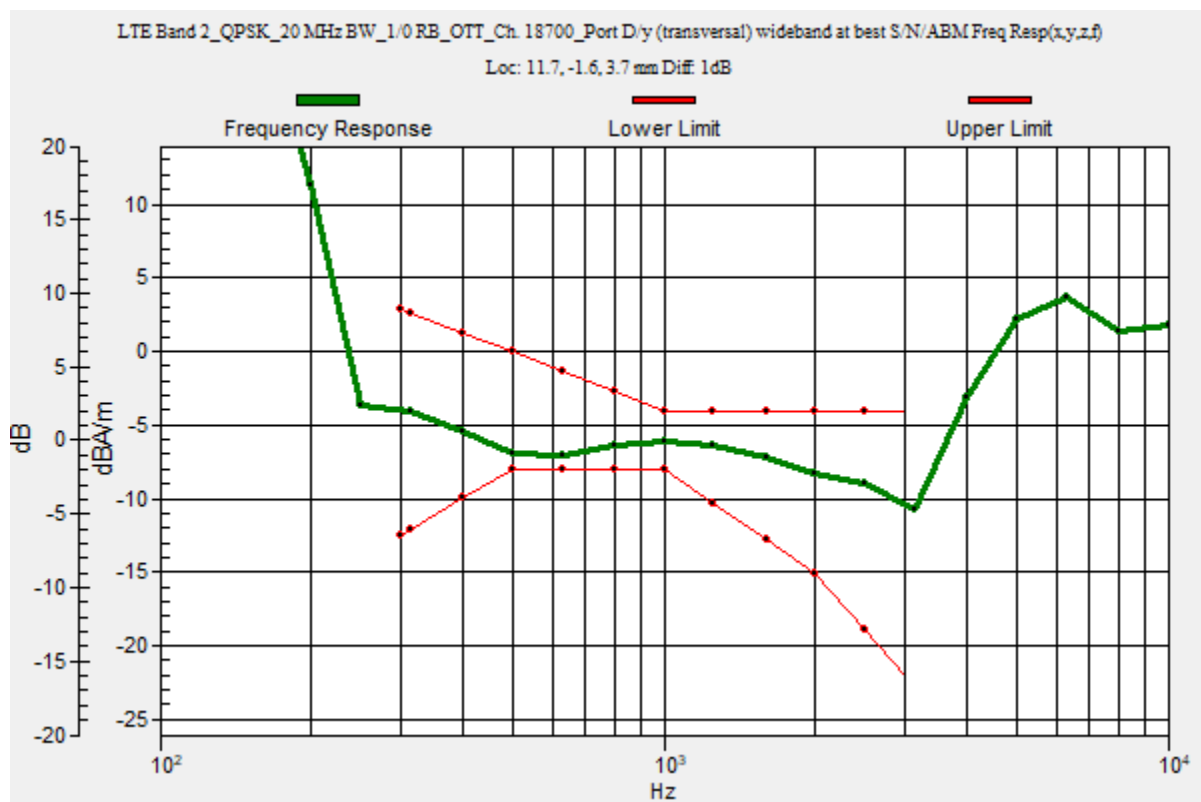
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.00 dB

BWC Factor = 10.80 dB

Location: 11.7, -1.6, 3.7 mm



LTE Band 2

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 2_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 18700_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

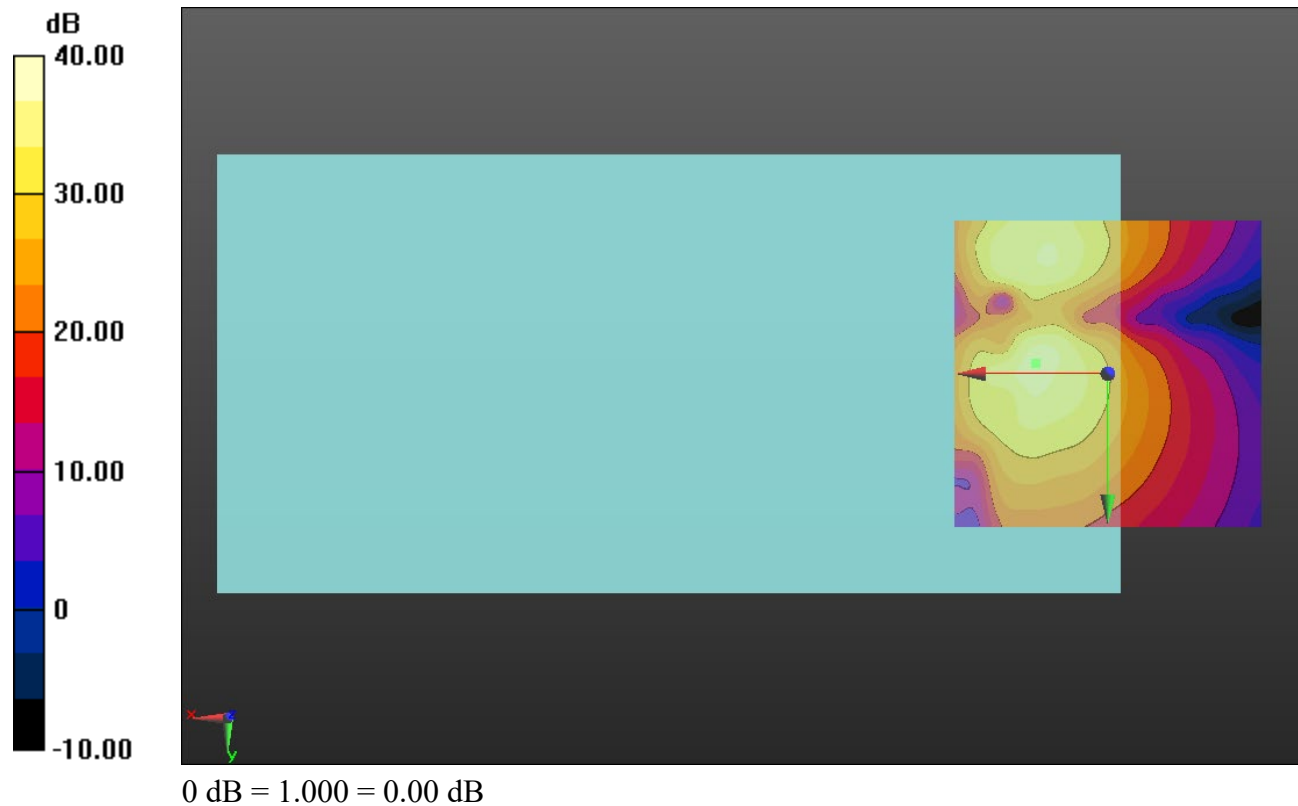
Cursor:

ABM1/ABM2 = 37.85 dB

ABM1 comp = -6.26 dBA/m

BWC Factor = 0.16 dB

Location: 11.7, -1.7, 3.7 mm



LTE Band 4

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1720 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4_16QAM_20 MHz BW_1/0 RB_OTT_Ch. 20050_Port D/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

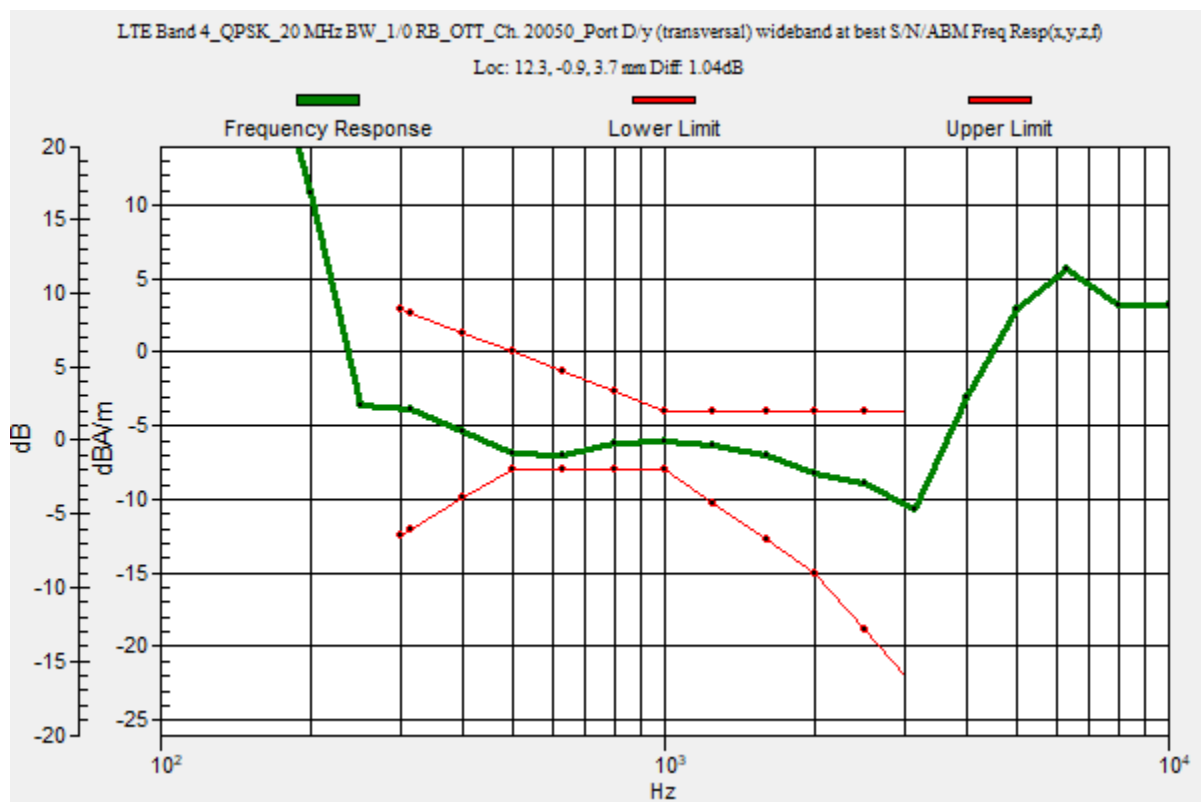
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.04 dB

BWC Factor = 10.80 dB

Location: 12.3, -0.9, 3.7 mm



LTE Band 4

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 4_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 20050_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

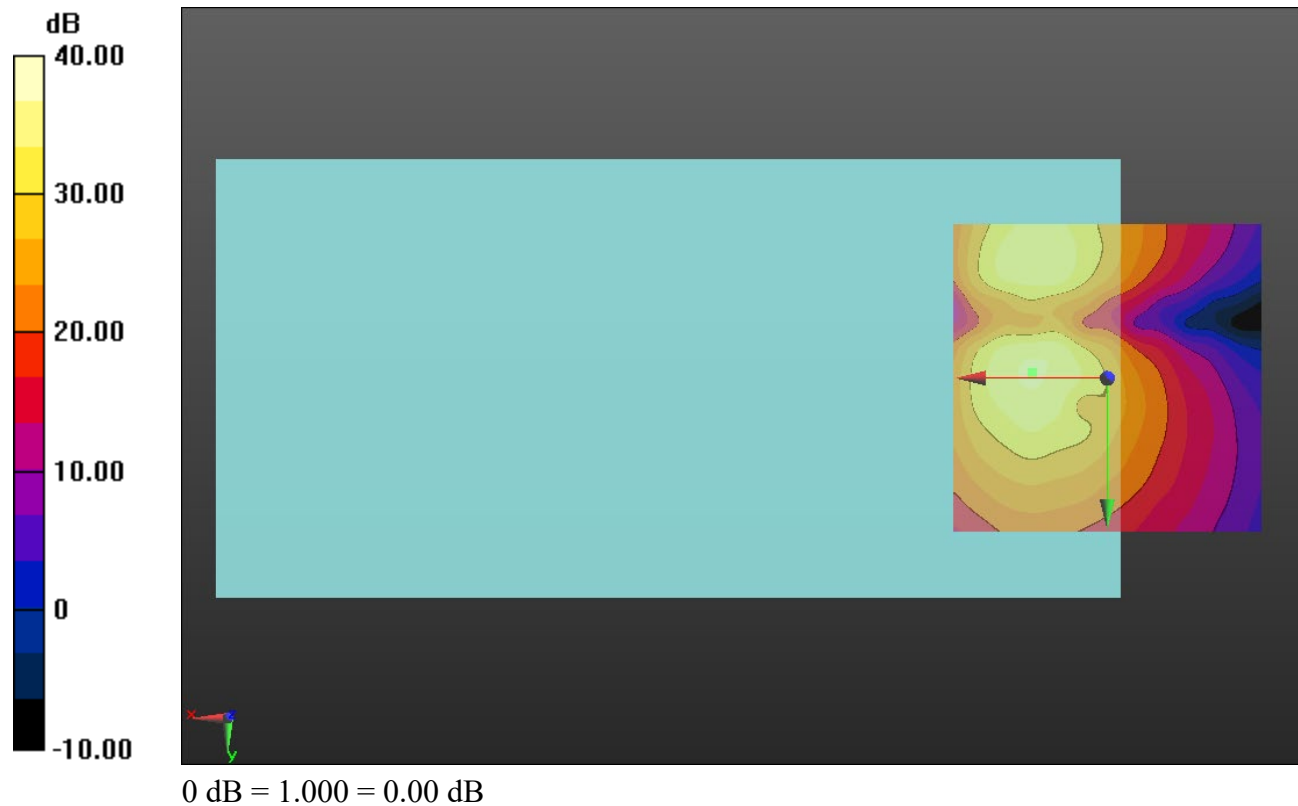
Cursor:

ABM1/ABM2 = 37.04 dB

ABM1 comp = -6.27 dBA/m

BWC Factor = 0.16 dB

Location: 12.1, -0.8, 3.7 mm



LTE Band 5

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 829 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5_16QAM_10 MHz BW_1/0 RB_OTT_Ch. 20450_Port A/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

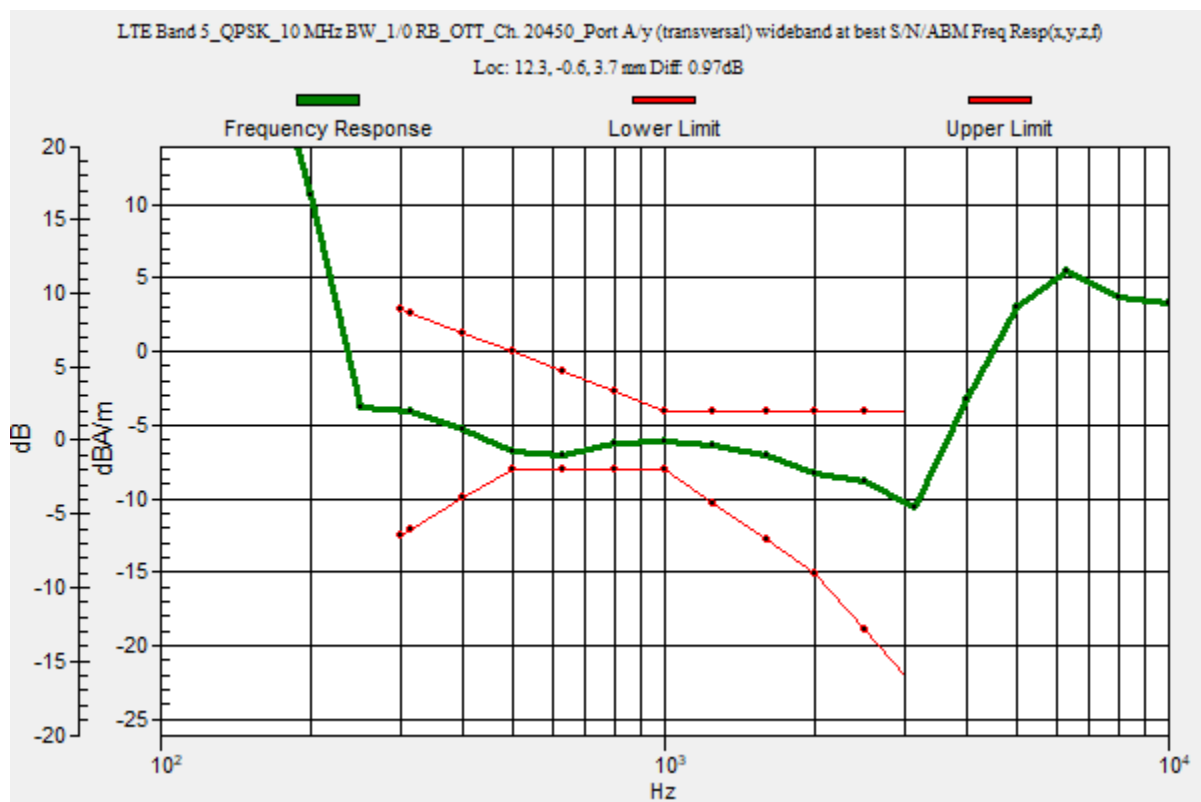
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.97 dB

BWC Factor = 10.80 dB

Location: 12.3, -0.6, 3.7 mm



LTE Band 5

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 829 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 5_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 20450_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

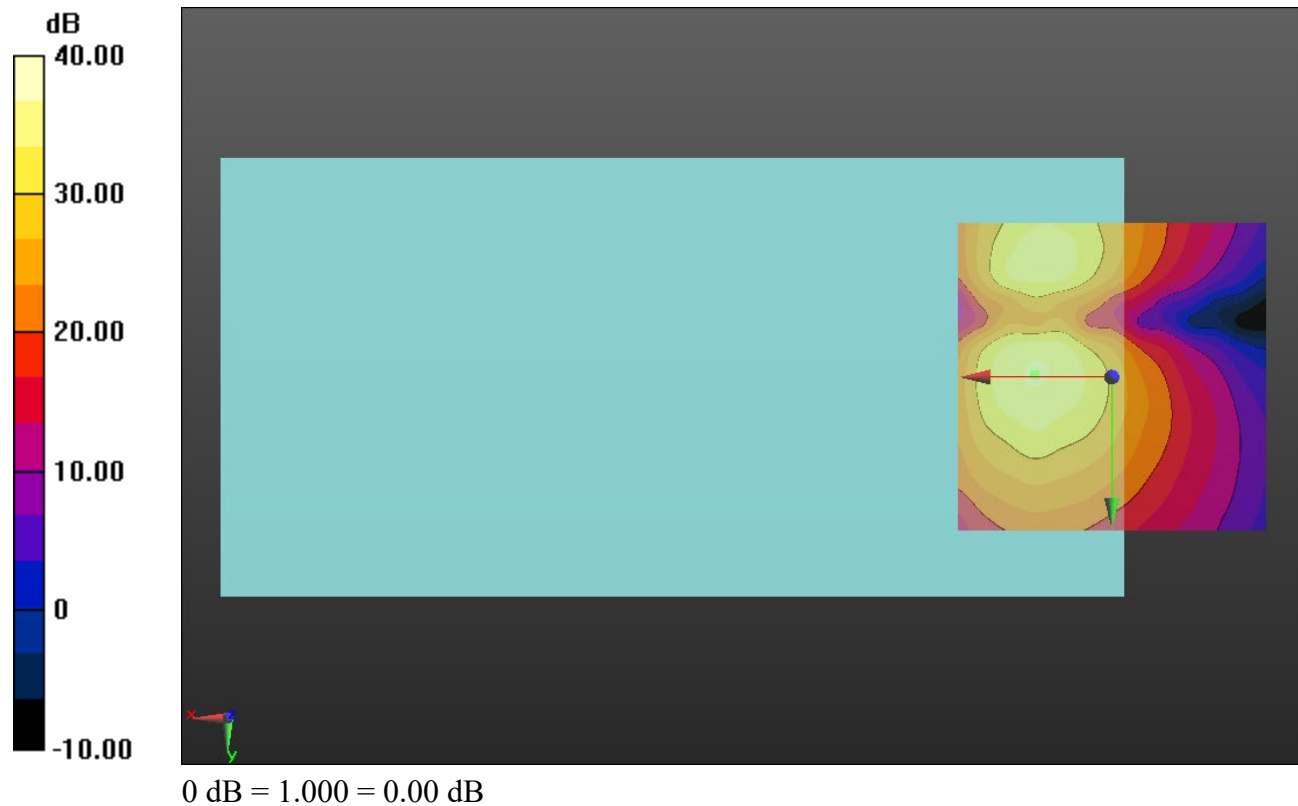
Cursor:

ABM1/ABM2 = 36.97 dB

ABM1 comp = -6.24 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -0.4, 3.7 mm



LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2510 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7_16QAM_20 MHz BW_1/0 RB_OTT_Ch. 20850_Port D/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

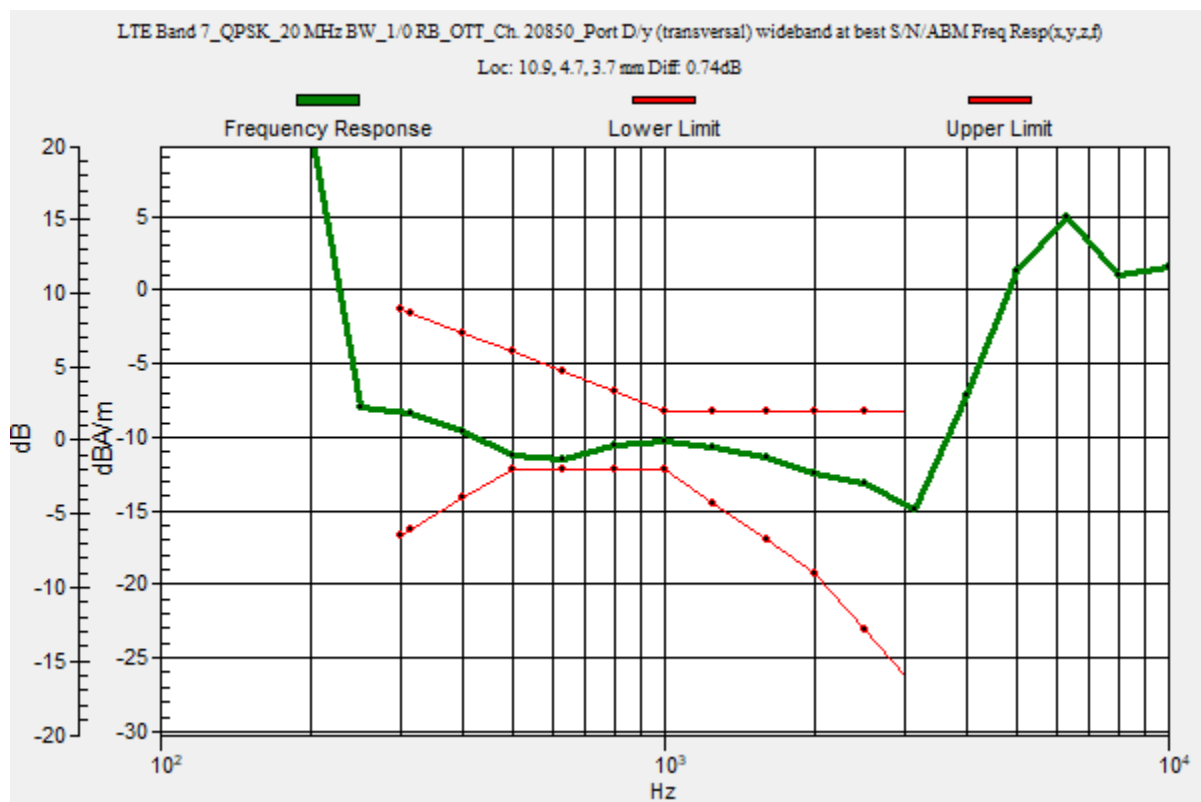
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.74 dB

BWC Factor = 10.80 dB

Location: 10.9, 4.7, 3.7 mm



LTE Band 7

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 7_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 20850_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

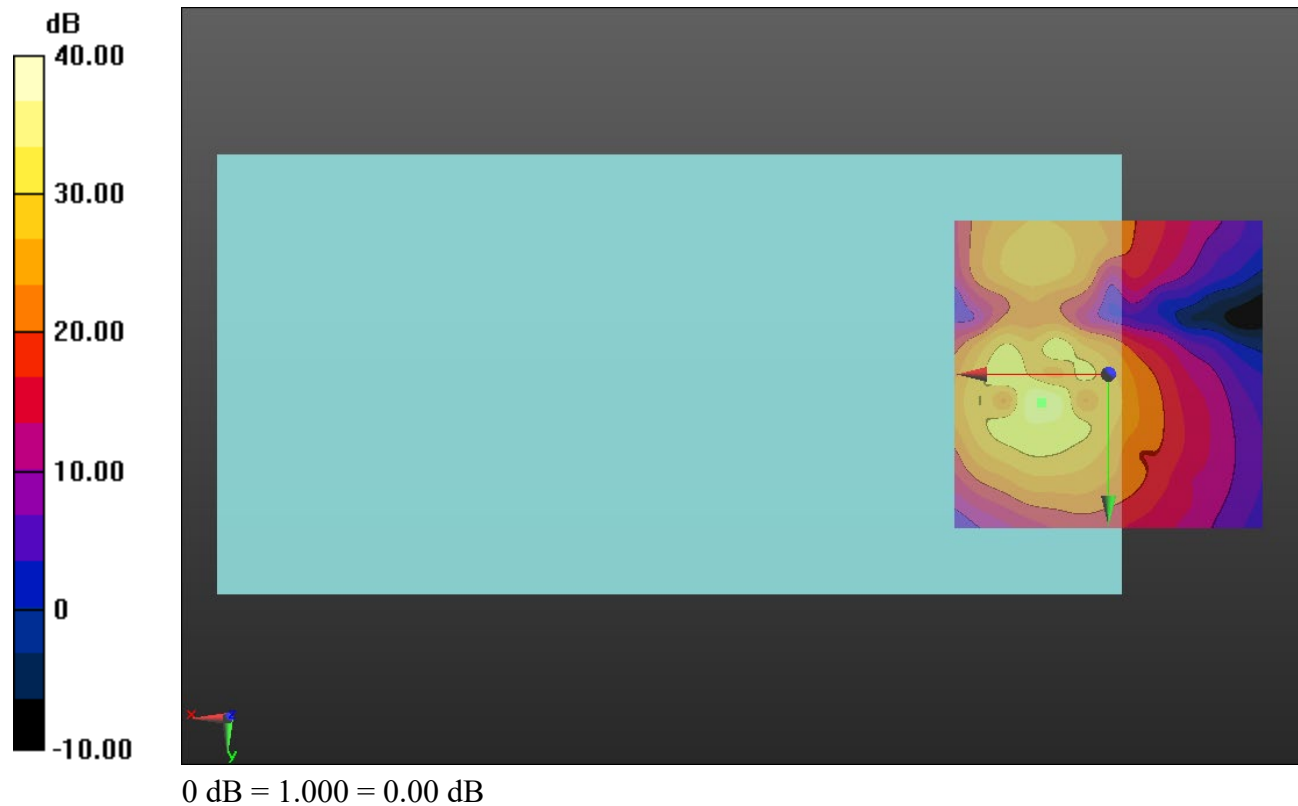
Cursor:

ABM1/ABM2 = 35.51 dB

ABM1 comp = -10.09 dBA/m

BWC Factor = 0.16 dB

Location: 10.8, 4.6, 3.7 mm



LTE Band 12

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 704 MHz;Duty Cycle: 1:1

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 23060_Port A/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

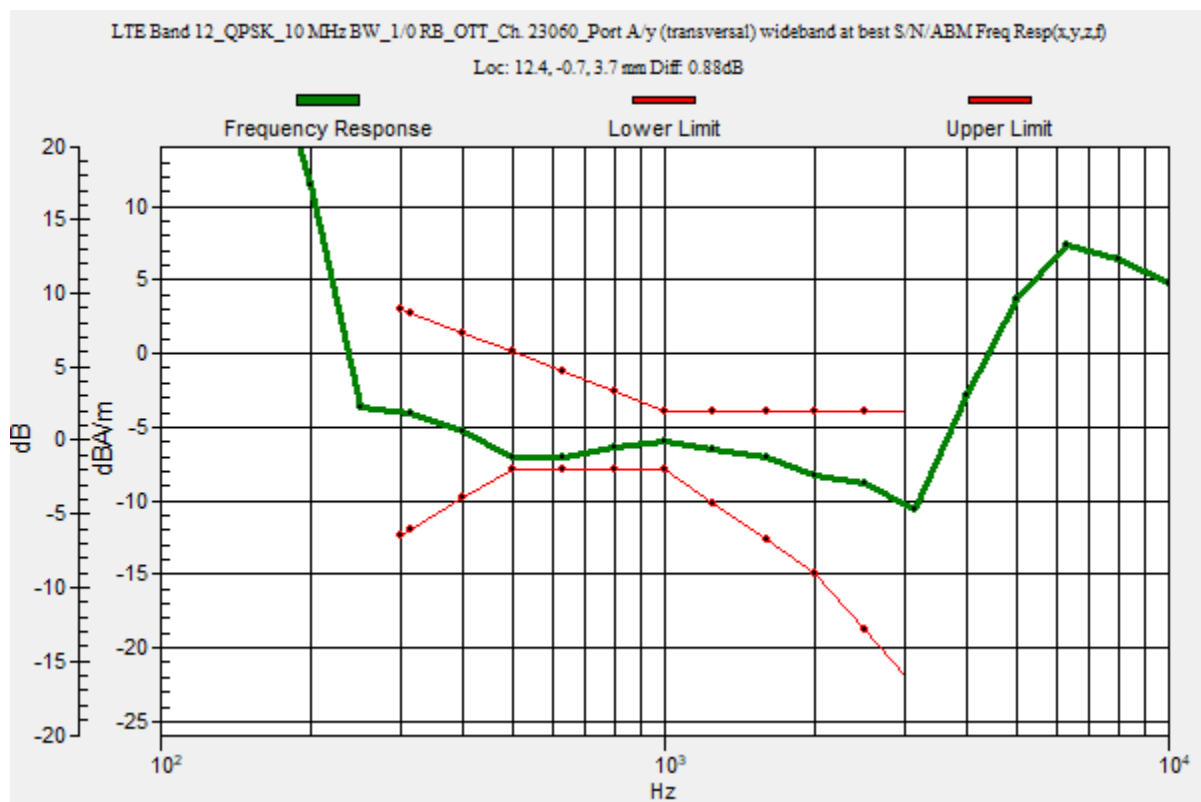
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.88 dB

BWC Factor = 10.80 dB

Location: 12.4, -0.7, 3.7 mm



LTE Band 12

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 704 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 12_16QAM_10 MHz BW_1/0 RB_OTT_Ch. 23060_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

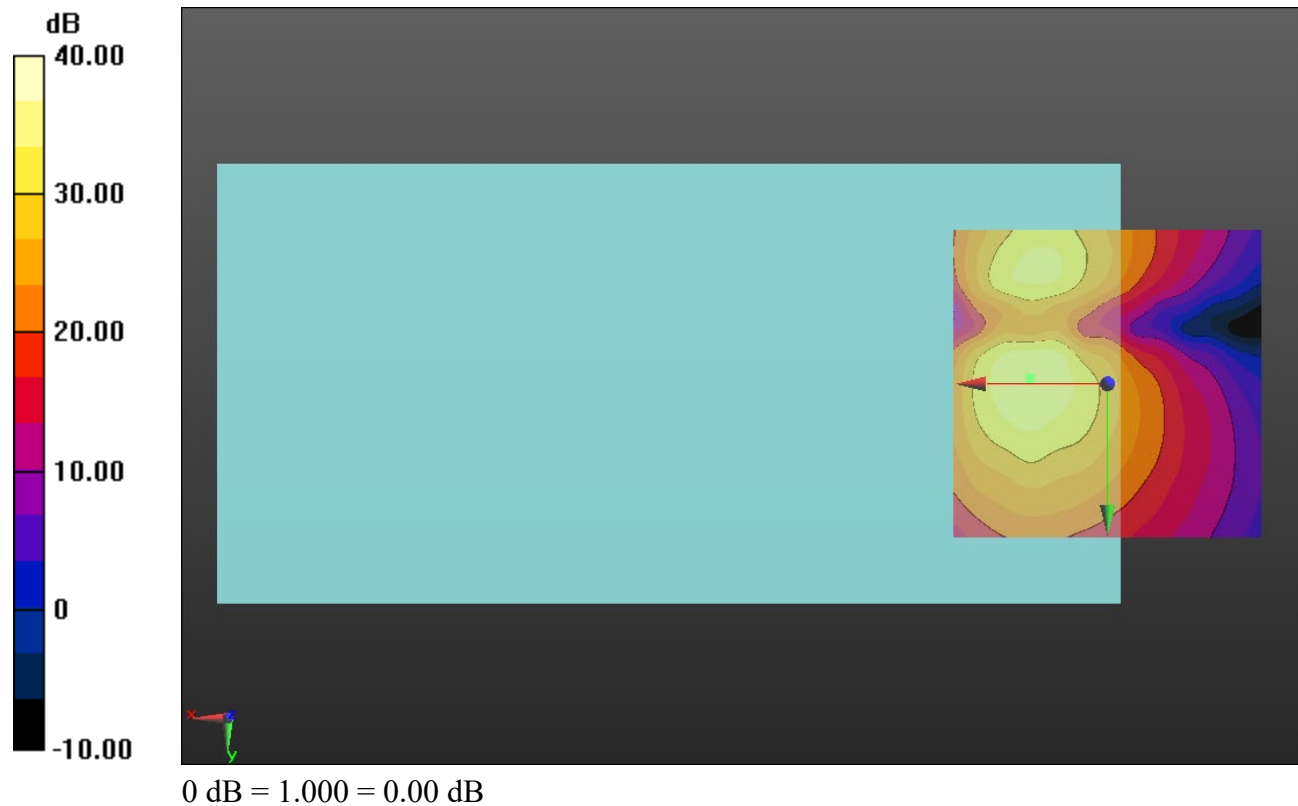
Cursor:

ABM1/ABM2 = 36.36 dB

ABM1 comp = -6.16 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -0.8, 3.7 mm



LTE Band 13

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

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13_16QAM_10 MHz BW_1/0 RB_OTT_Ch. 23230_Port A/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

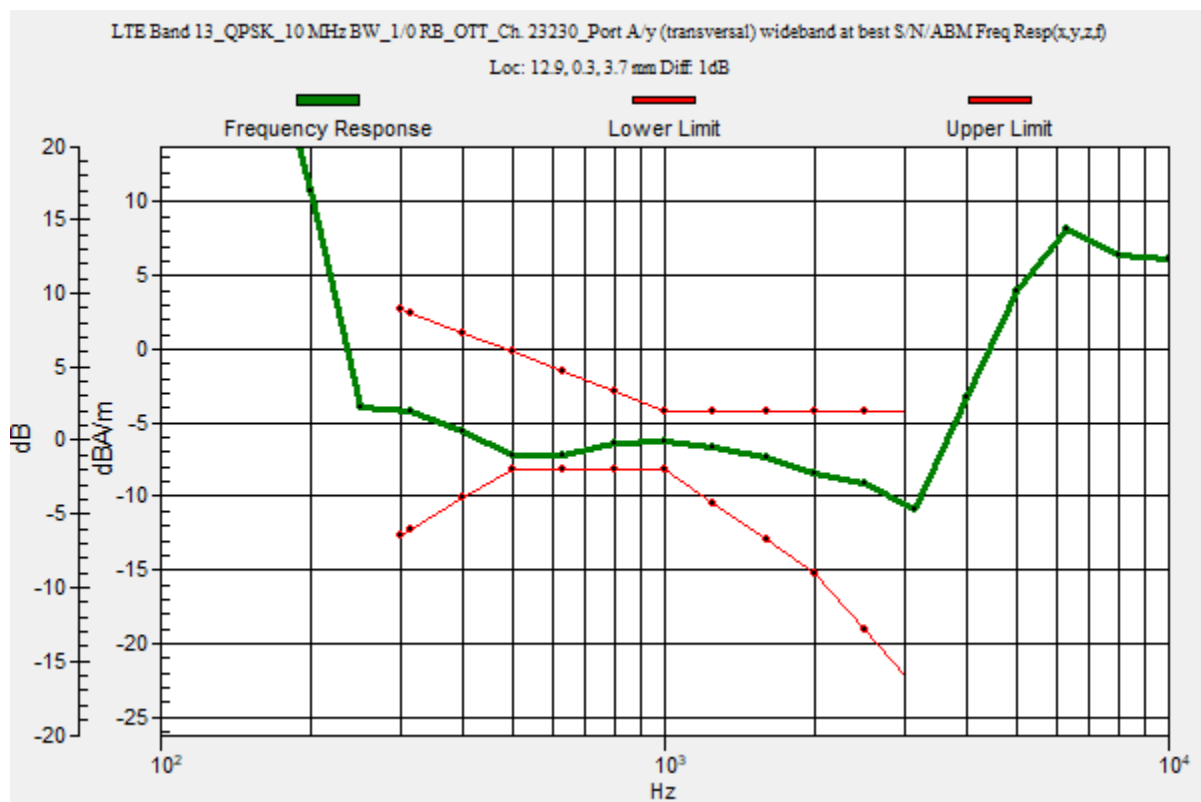
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.00 dB

BWC Factor = 10.80 dB

Location: 12.9, 0.3, 3.7 mm



LTE Band 13

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 13_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 23230_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

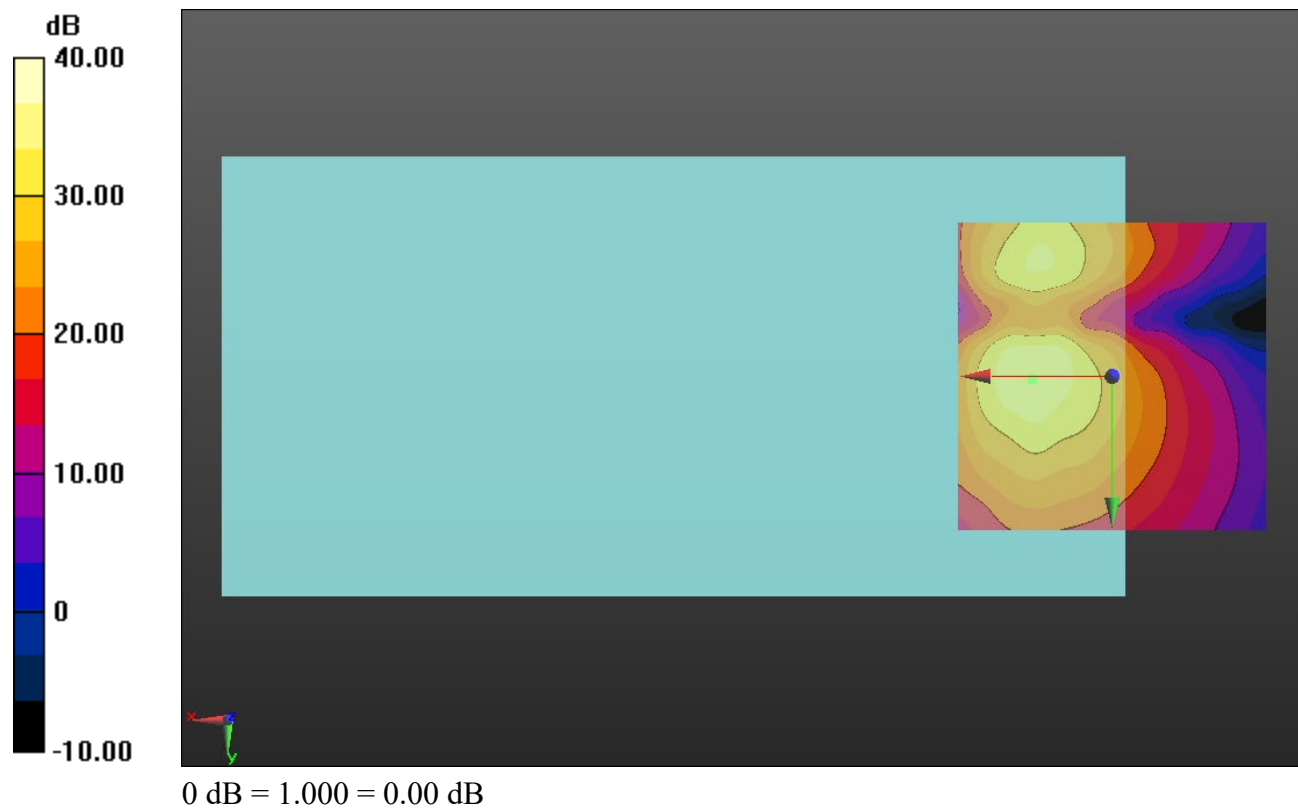
Cursor:

ABM1/ABM2 = 35.91 dB

ABM1 comp = -6.27 dBA/m

BWC Factor = 0.16 dB

Location: 12.9, 0.4, 3.7 mm



LTE Band 14

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 23330_Port A/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

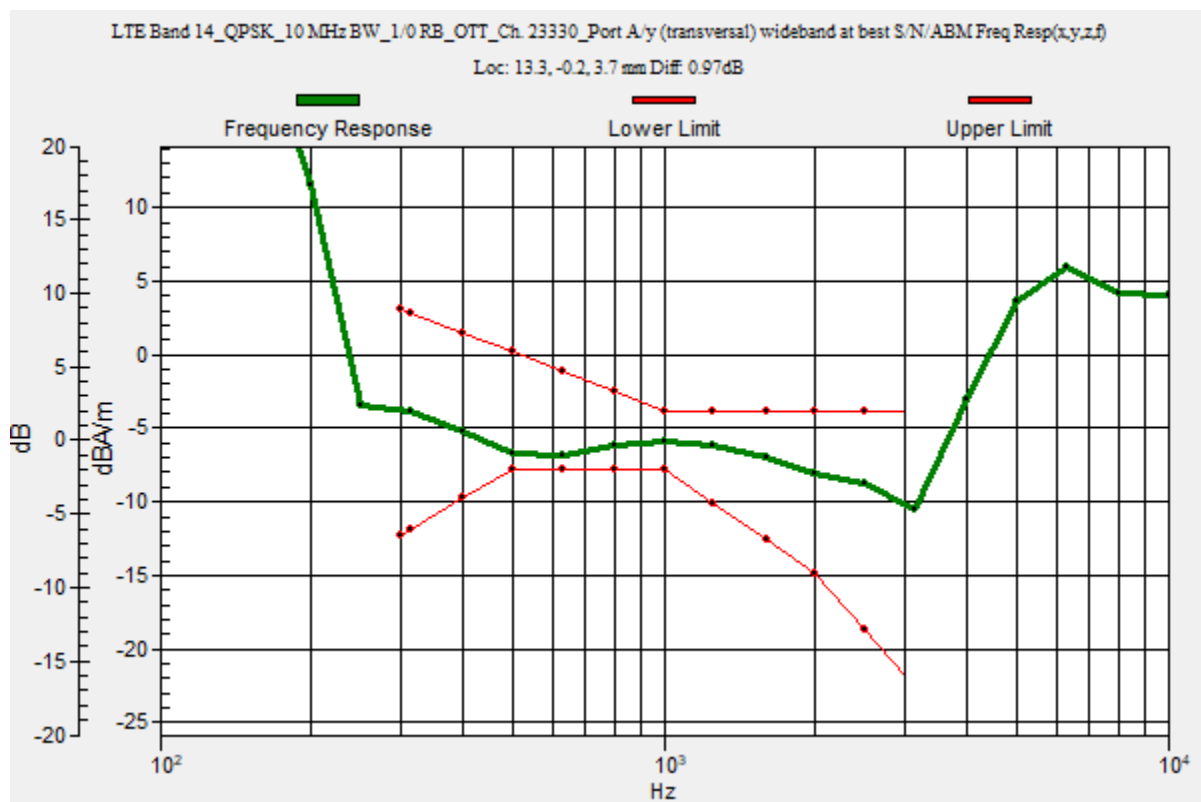
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.97 dB

BWC Factor = 10.80 dB

Location: 13.3, -0.2, 3.7 mm



LTE Band 14

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 14_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 23330_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

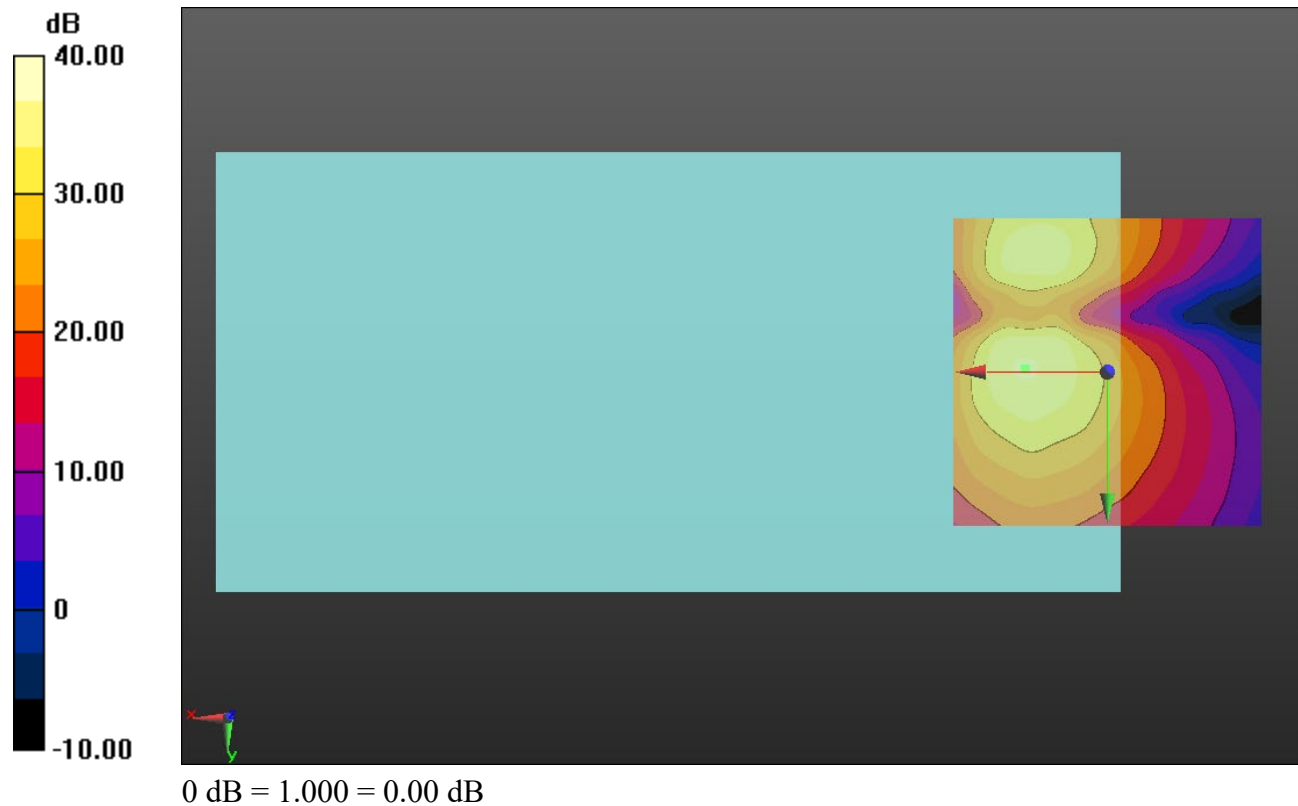
Cursor:

ABM1/ABM2 = 36.87 dB

ABM1 comp = -5.88 dBA/m

BWC Factor = 0.16 dB

Location: 13.3, -0.4, 3.7 mm



LTE Band 17

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 23790_Port A/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

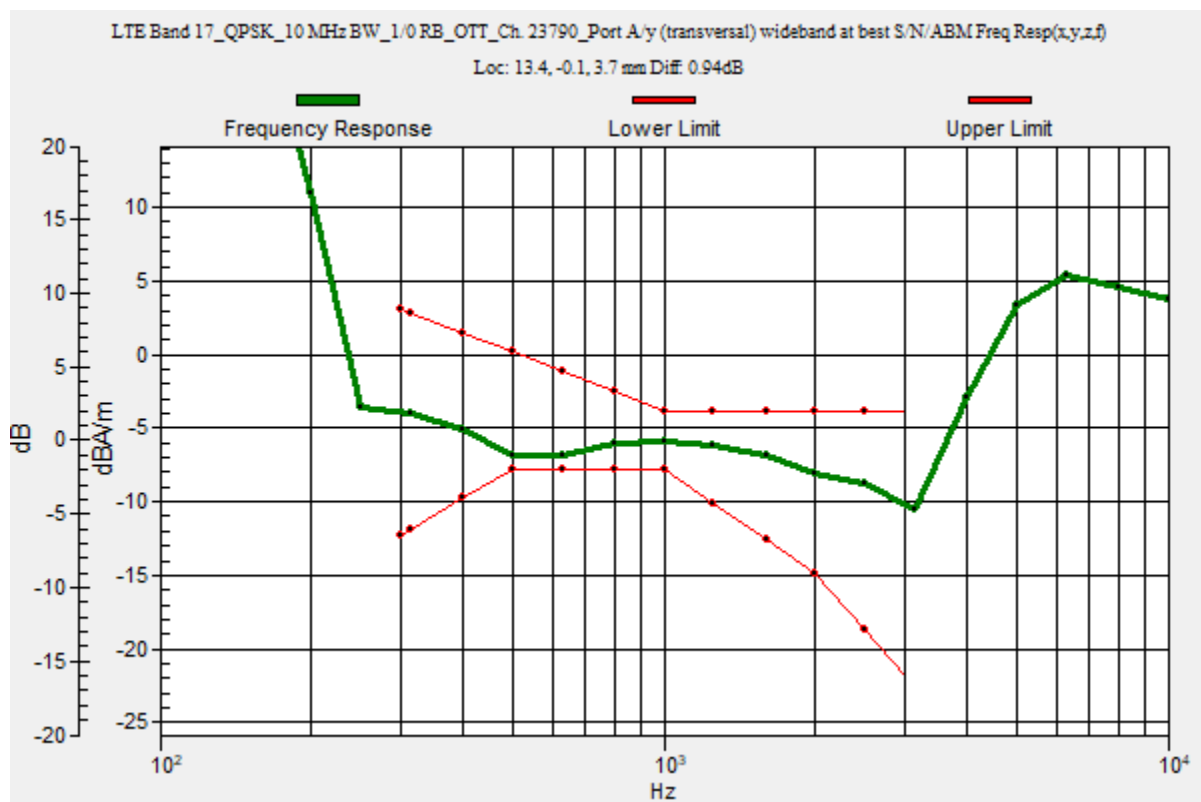
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.94 dB

BWC Factor = 10.80 dB

Location: 13.4, -0.1, 3.7 mm



LTE Band 17

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 17_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 23790_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

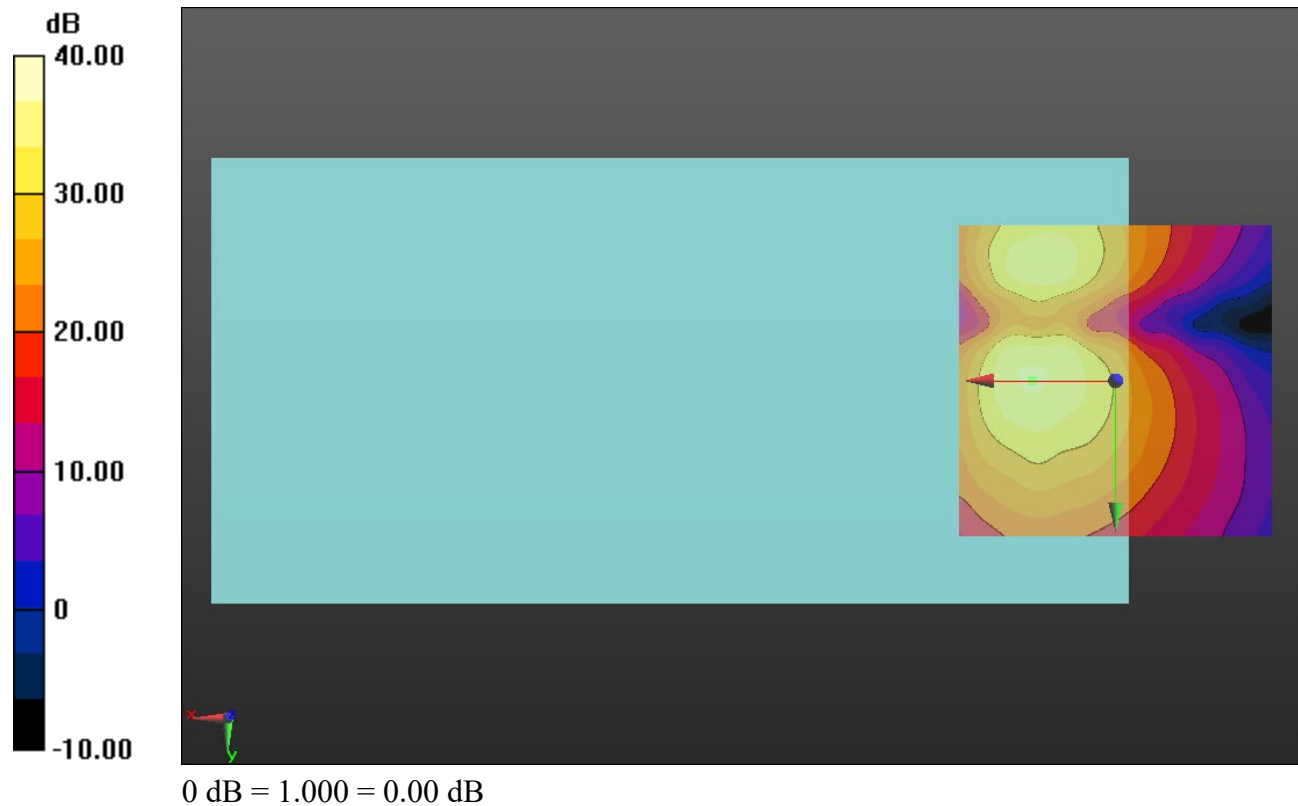
Cursor:

ABM1/ABM2 = 36.97 dB

ABM1 comp = -5.97 dBA/m

BWC Factor = 0.16 dB

Location: 13.3, 0, 3.7 mm



LTE Band 25

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1860 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25_16QAM_20 MHz BW_1/0 RB_OTT_Ch. 26140_Port D/y (transversal) wideband at best S/N/ABM Freq

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

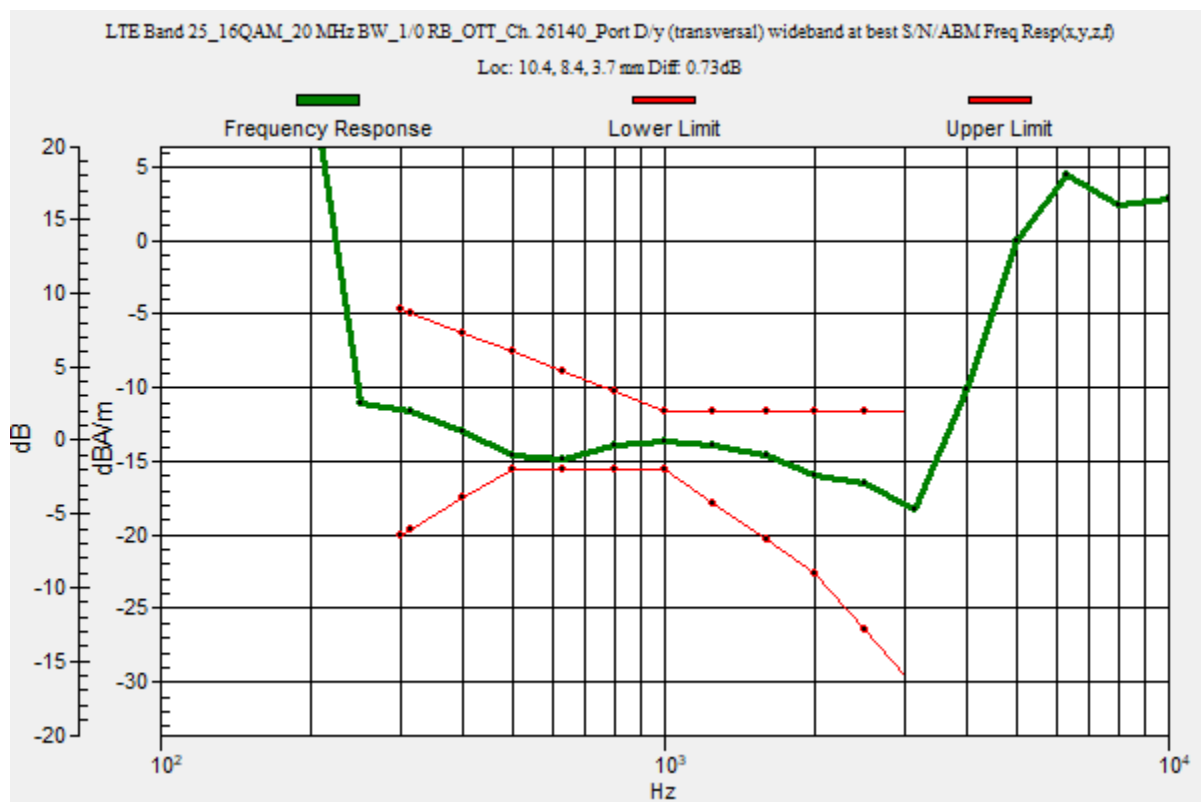
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.73 dB

BWC Factor = 10.80 dB

Location: 10.4, 8.4, 3.7 mm



LTE Band 25

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 25_16QAM_20 MHz BW_1/0 RB_OTT_Ch. 26140_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

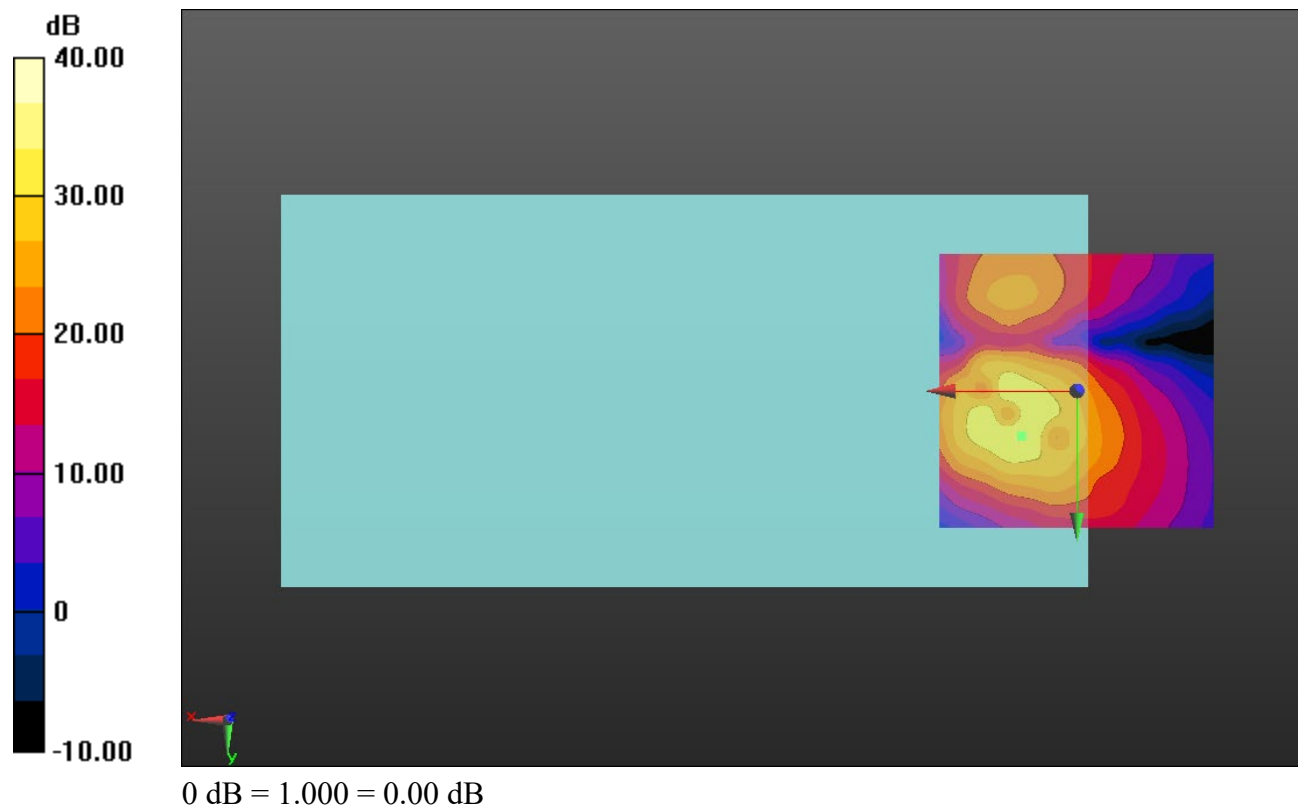
Cursor:

ABM1/ABM2 = 33.39 dB

ABM1 comp = -13.52 dBA/m

BWC Factor = 0.16 dB

Location: 10, 8.3, 3.7 mm



LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 821.5 MHz;Duty Cycle: 1:1

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26_16QAM_15 MHz
BW_1/0 RB_OTT_Ch. 26765_Port A/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

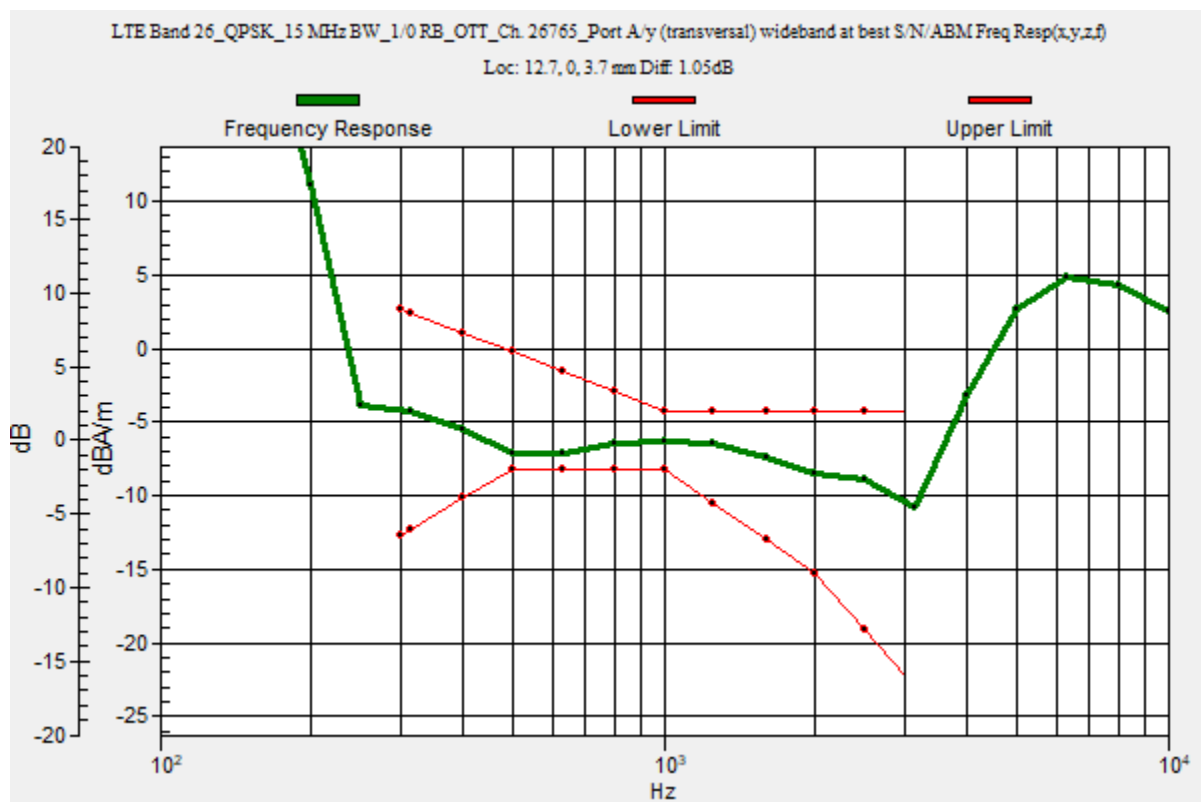
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 1.05 dB

BWC Factor = 10.80 dB

Location: 12.7, 0, 3.7 mm



LTE Band 26

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 821.5 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 26_16QAM_15 MHz
BW_1/0 RB_OTT_Ch. 26765_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

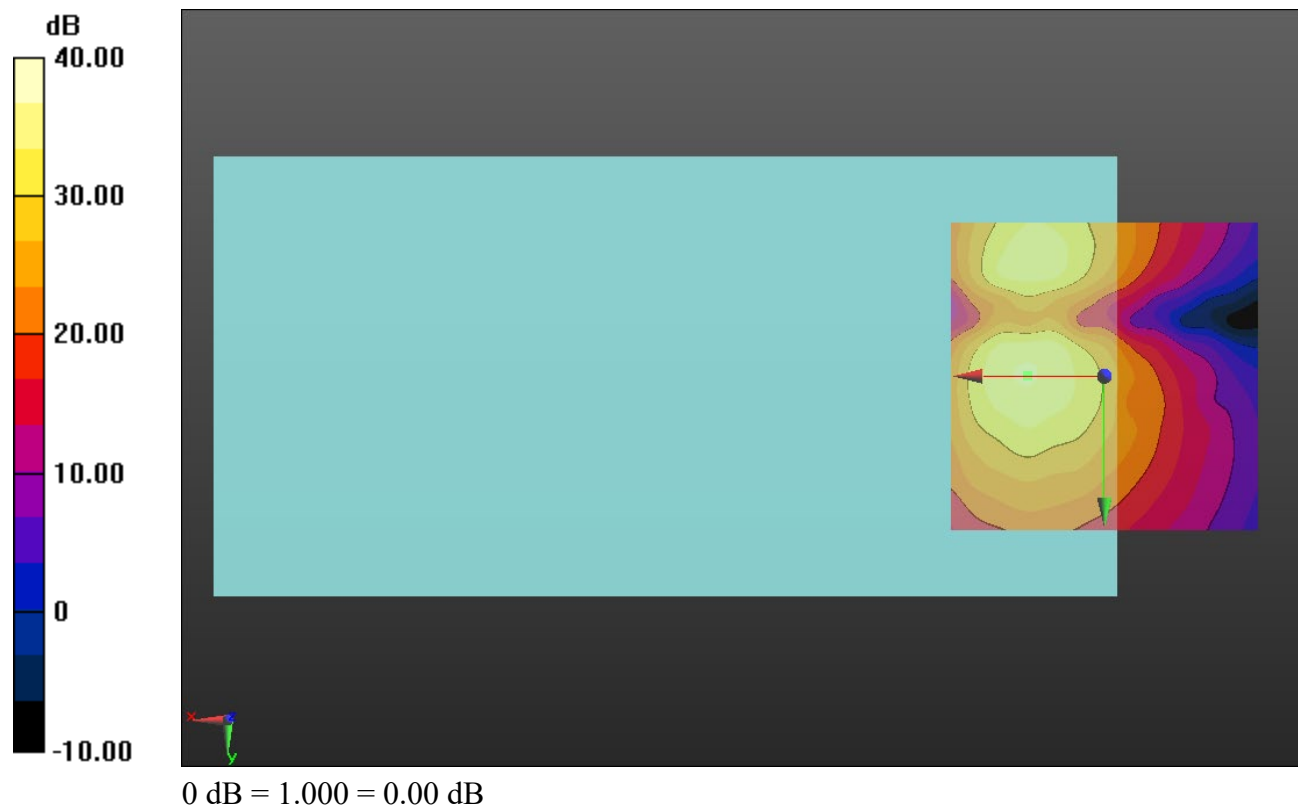
Cursor:

ABM1/ABM2 = 36.97 dB

ABM1 comp = -6.30 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, 0, 3.7 mm



LTE Band 30

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 27710_Port D/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

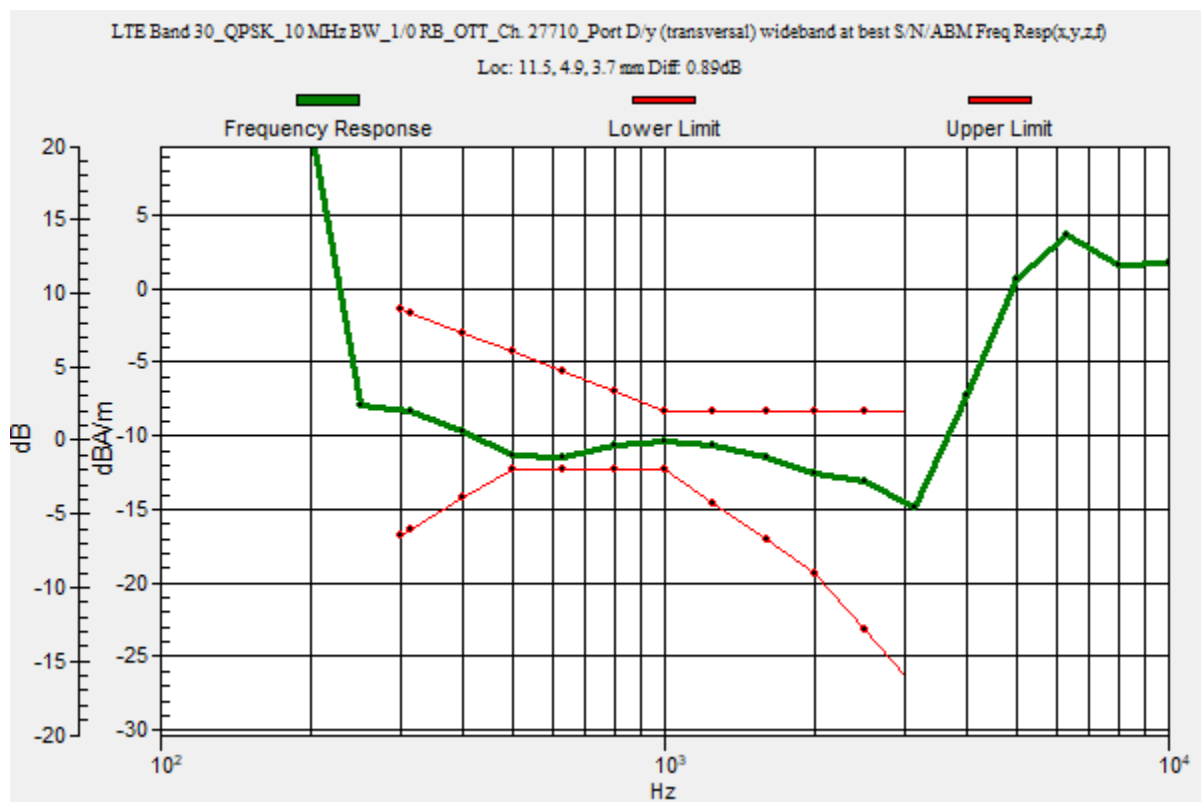
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.89 dB

BWC Factor = 10.80 dB

Location: 11.5, 4.9, 3.7 mm



LTE Band 30

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 30_16QAM_10 MHz
BW_1/0 RB_OTT_Ch. 27710_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

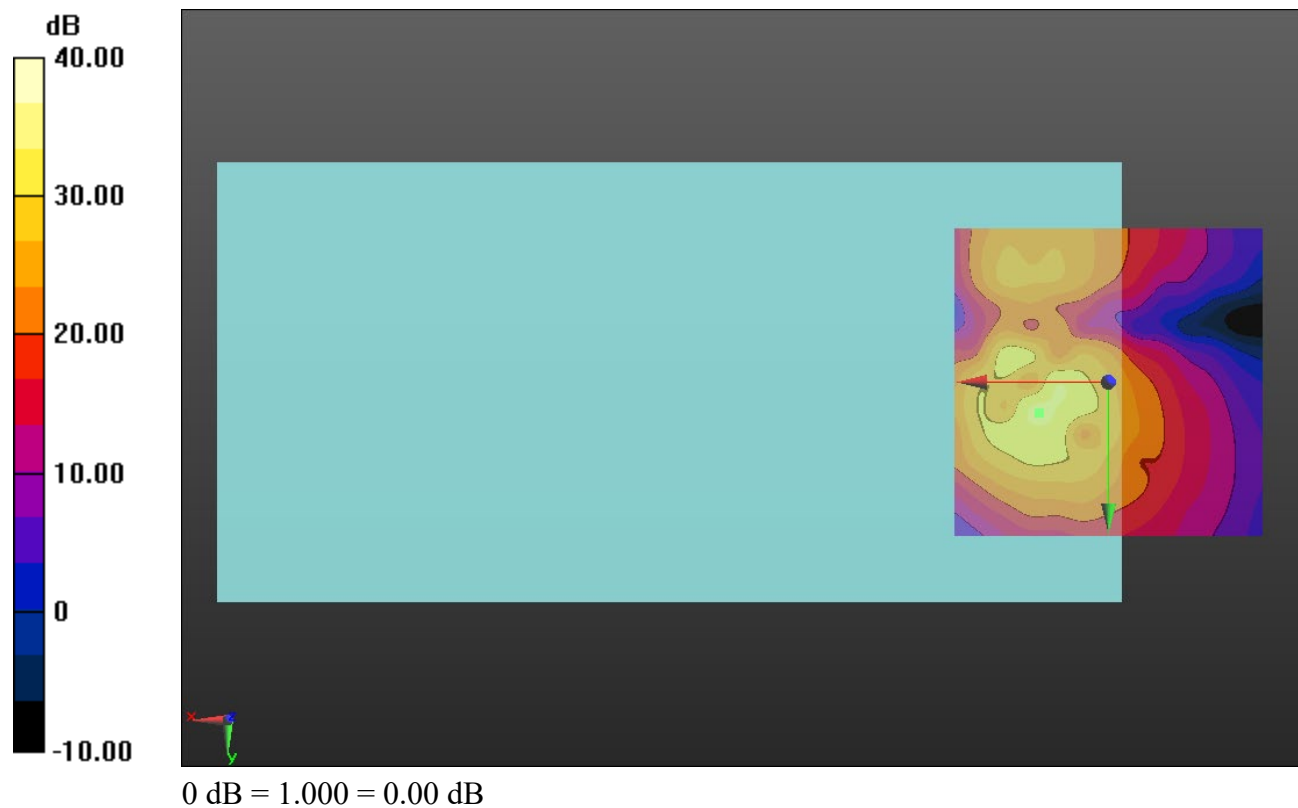
Cursor:

ABM1/ABM2 = 34.07 dB

ABM1 comp = -10.13 dBA/m

BWC Factor = 0.16 dB

Location: 11.3, 5, 3.7 mm



LTE Band 41

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41_16QAM_20 MHz
BW_1/49 RB_OTT_Ch. 40620_Port C/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

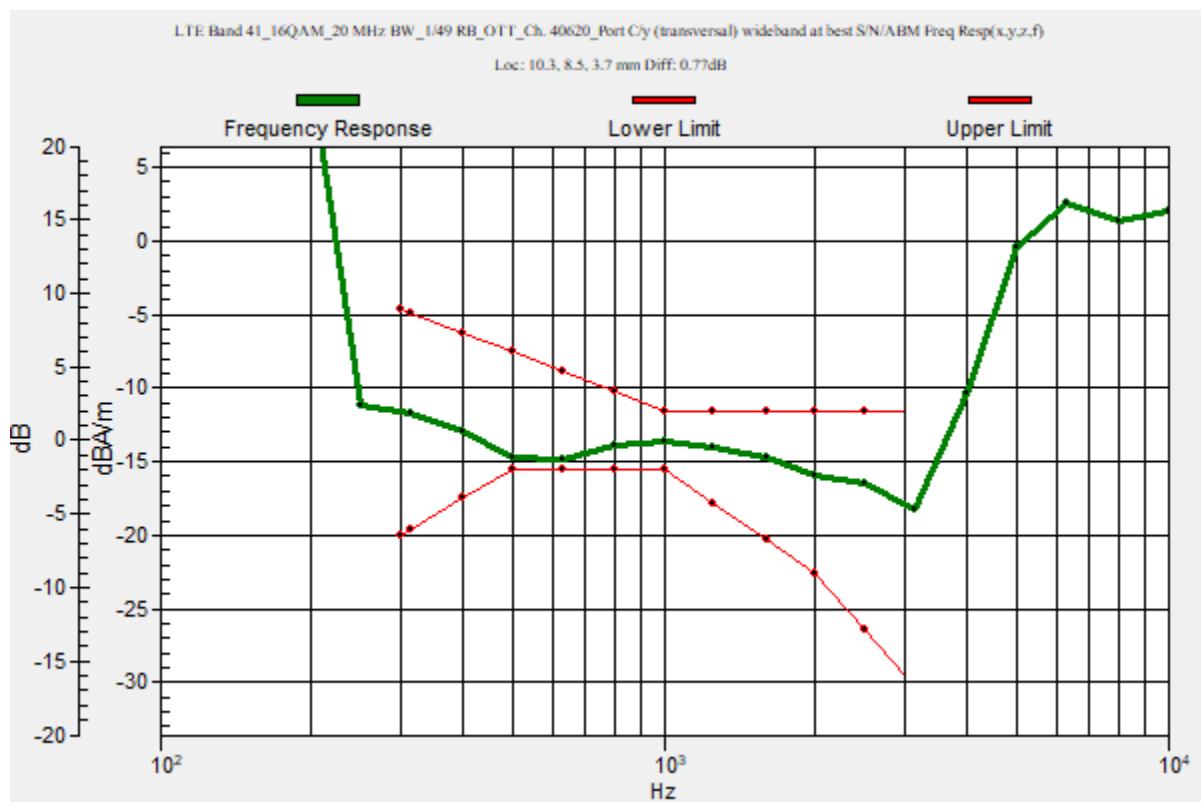
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.77 dB

BWC Factor = 10.80 dB

Location: 10.3, 8.5, 3.7 mm



LTE Band 41

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 41_16QAM_20 MHz
BW_1/49 RB_OTT_Ch. 40620_Port C/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

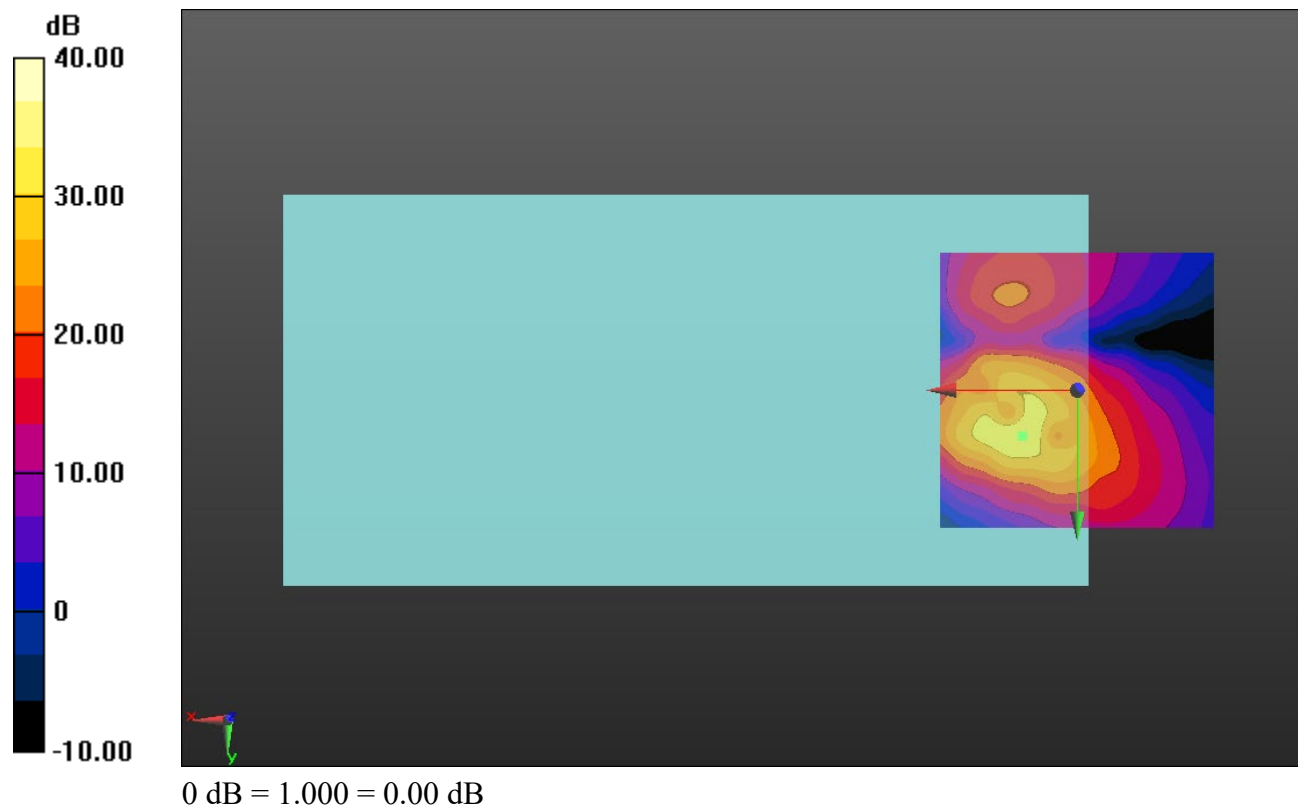
Cursor:

ABM1/ABM2 = 33.07 dB

ABM1 comp = -13.48 dBA/m

BWC Factor = 0.16 dB

Location: 10, 8.3, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3625 MHz;Duty Cycle: 1:1.59956

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48_16QAM_20 MHz
BW_1/49 RB_OTT_Ch. 55990_Port C/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

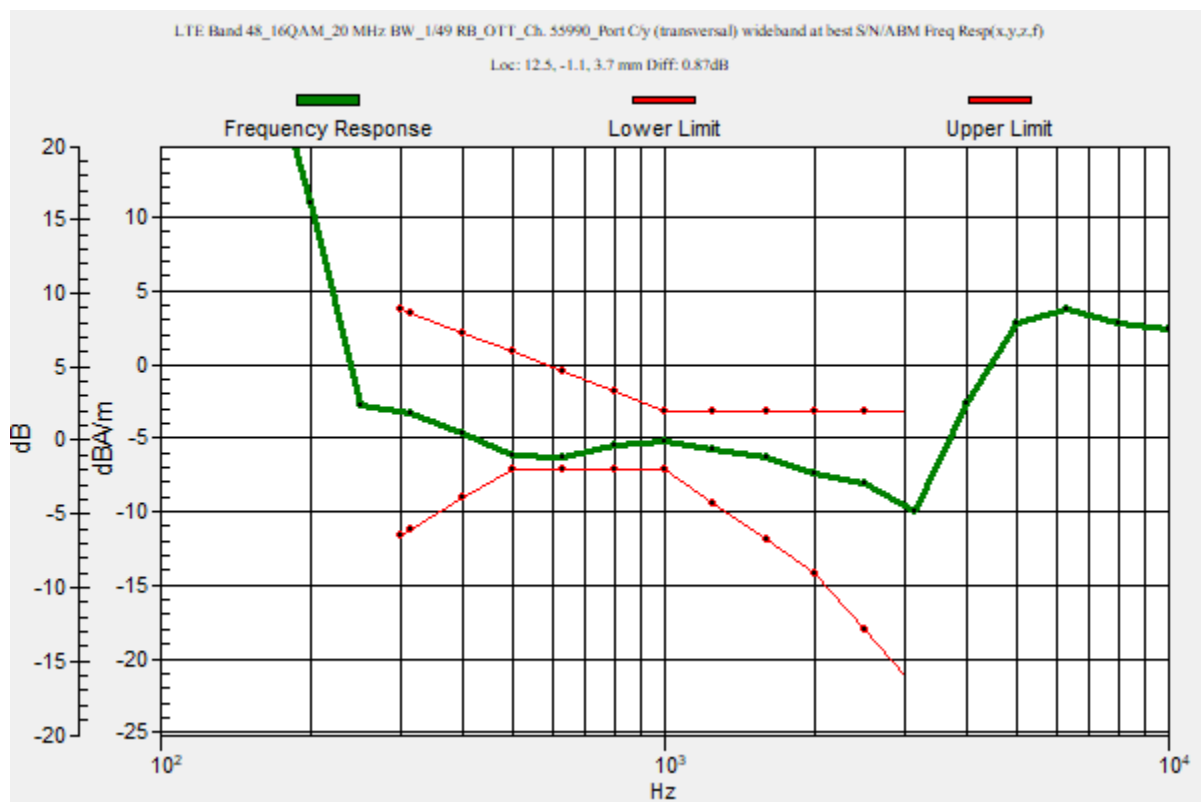
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.87 dB

BWC Factor = 10.80 dB

Location: 12.5, -1.1, 3.7 mm



LTE Band 48

Communication System: UID 0, 1@LTE (TDD) (0); Frequency: 3625 MHz; Duty Cycle: 1:1.59956

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 48_16QAM_20 MHz
BW_1/49 RB_OTT_Ch. 55990_Port C/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

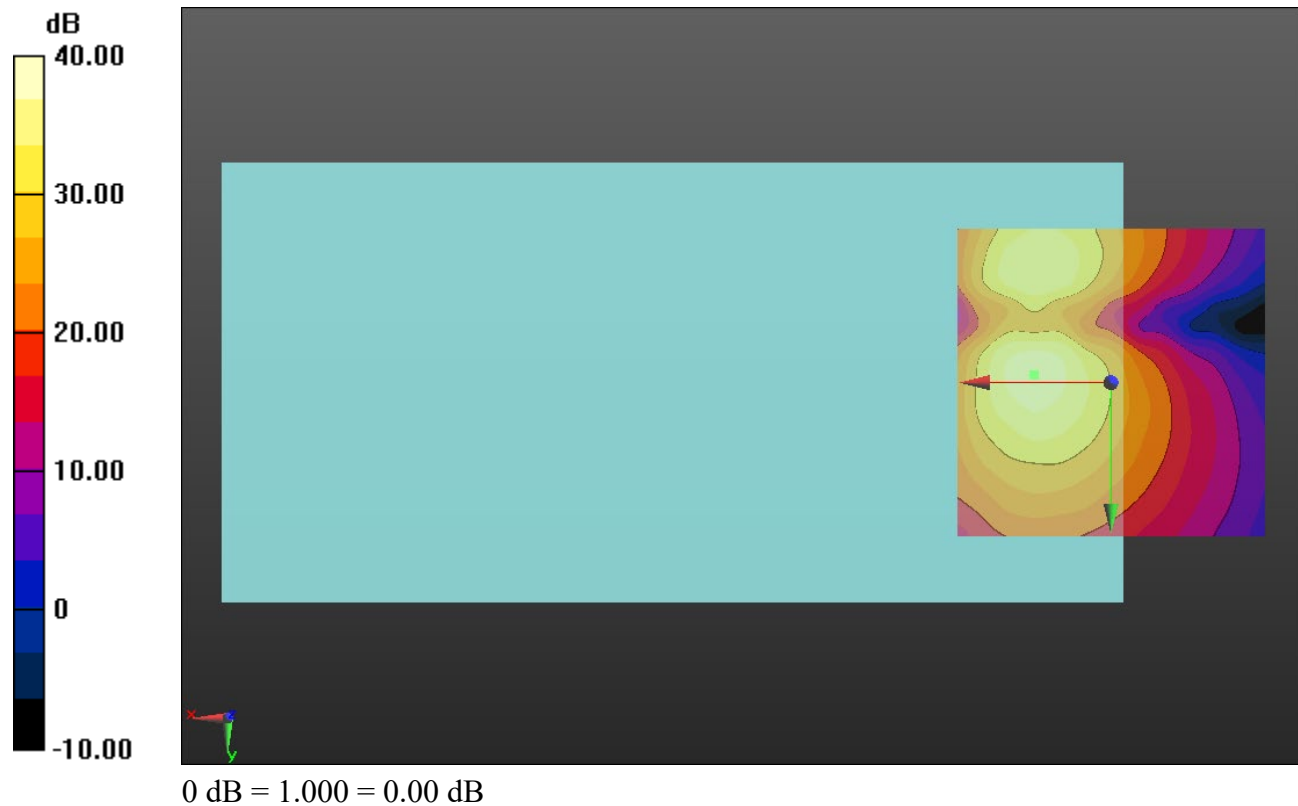
Cursor:

ABM1/ABM2 = 38.92 dB

ABM1 comp = -5.36 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -1.3, 3.7 mm



LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1720 MHz;Duty Cycle: 1:1

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 132072_Port D/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

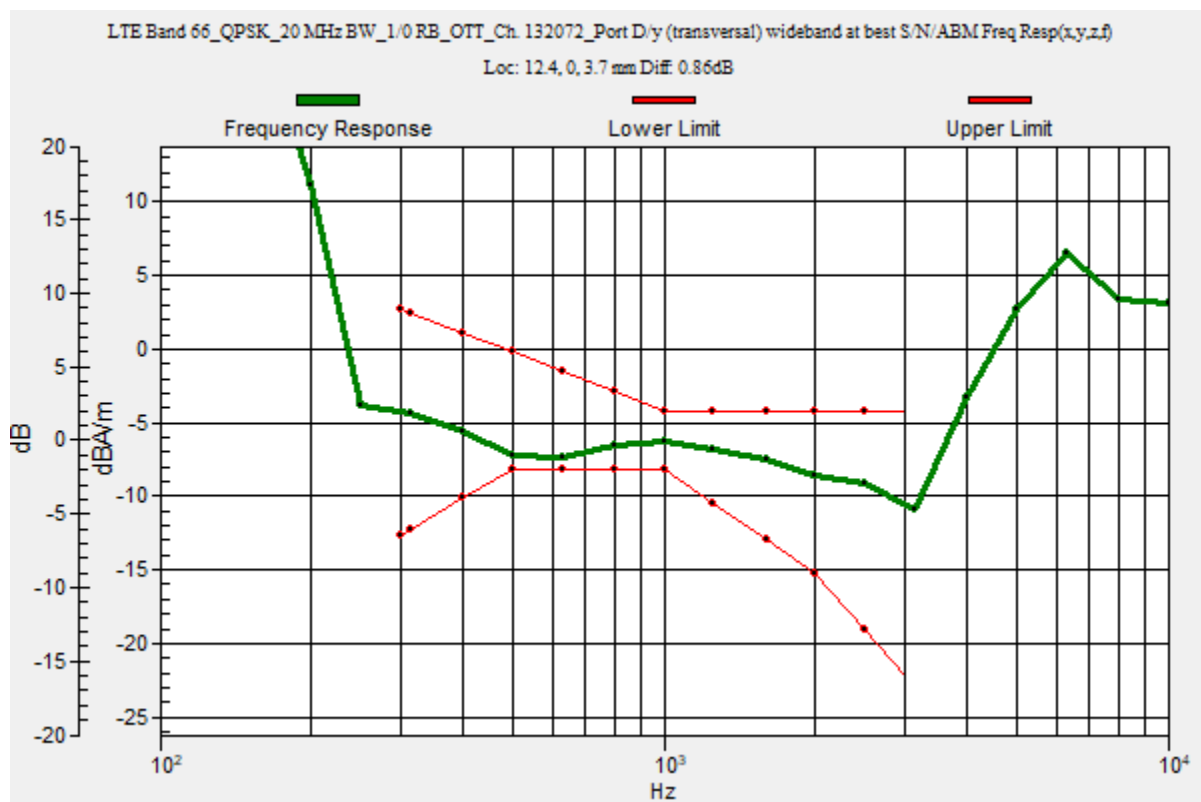
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.86 dB

BWC Factor = 10.80 dB

Location: 12.4, 0, 3.7 mm



LTE Band 66

Communication System: UID 0, 1@LTE (FDD) (0); Frequency: 1720 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 66_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 132072_Port D/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

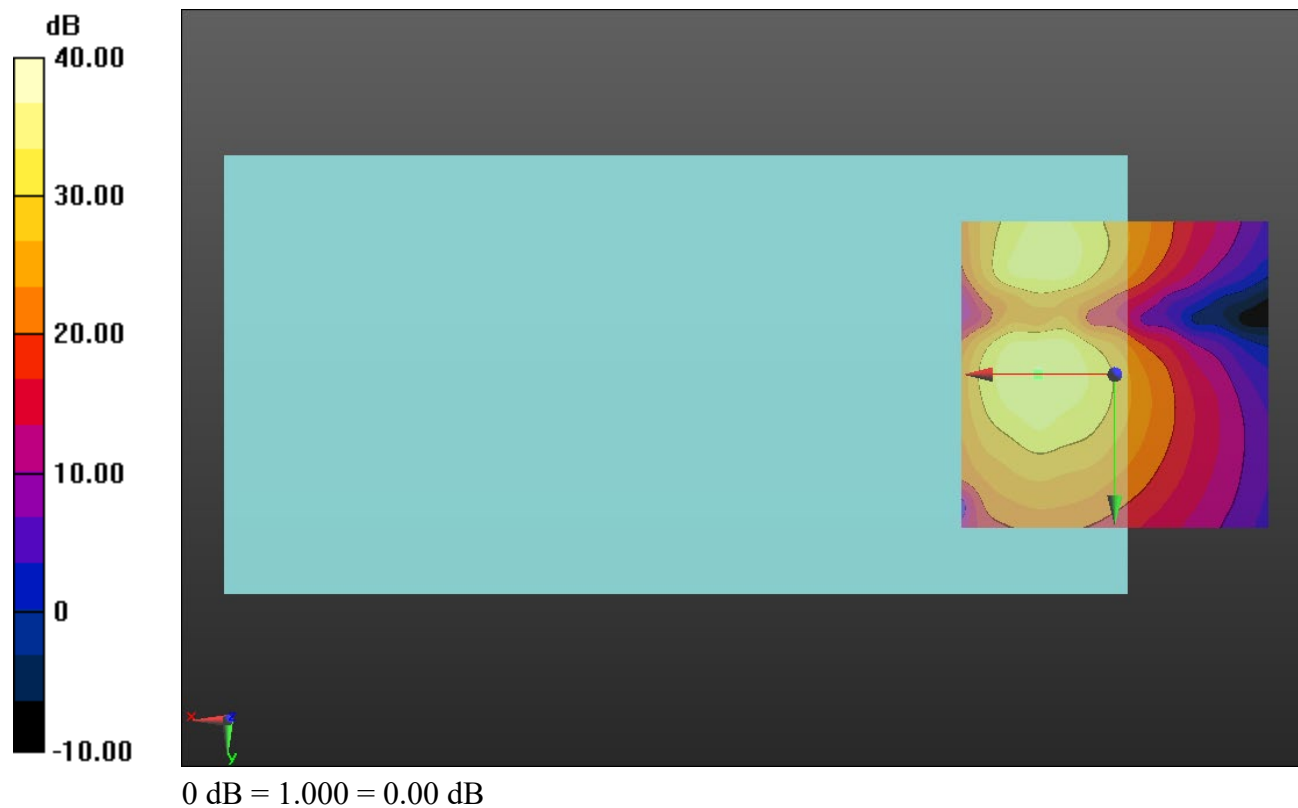
Cursor:

ABM1/ABM2 = 36.79 dB

ABM1 comp = -6.44 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, 0, 3.7 mm



LTE Band 71

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

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 133297_Port A/y (transversal) wideband at best S/N/ABM Freq**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.99

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

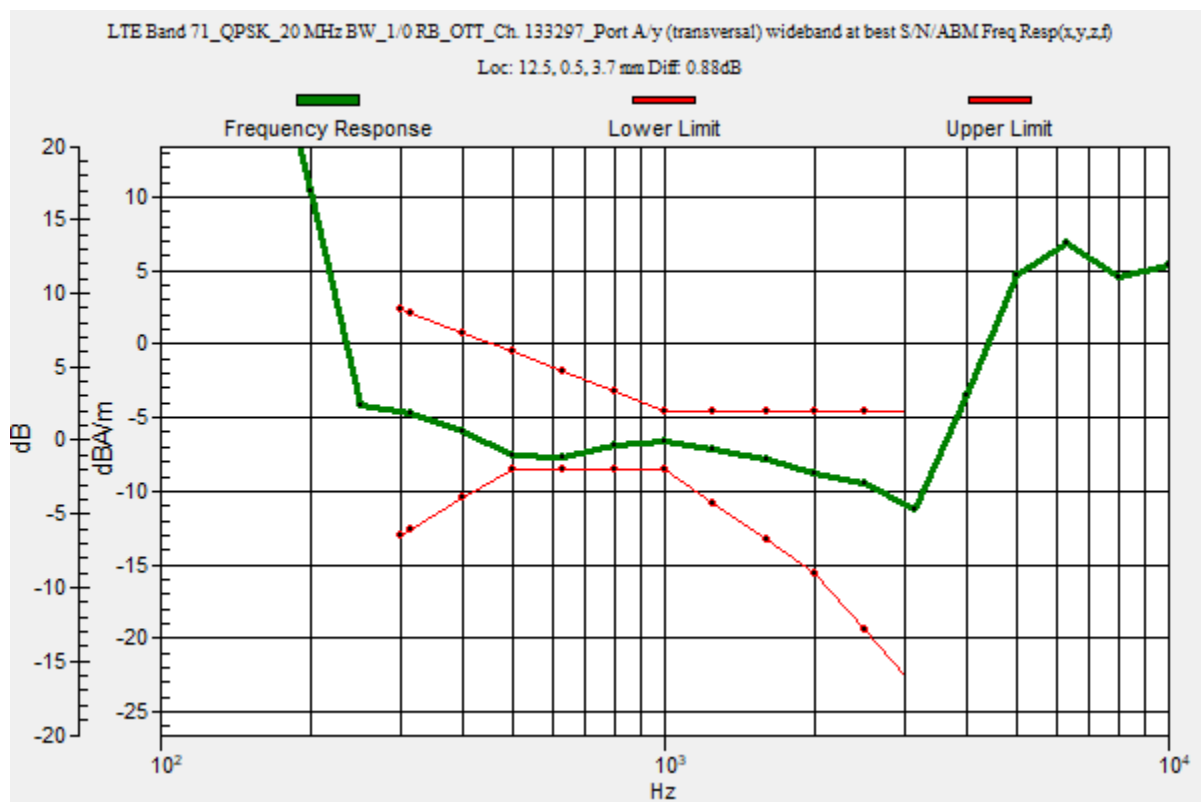
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.88 dB

BWC Factor = 10.80 dB

Location: 12.5, 0.5, 3.7 mm



LTE Band 71

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

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3083; ; Calibrated: 1/29/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/10/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/LTE Band 71_16QAM_20 MHz
BW_1/0 RB_OTT_Ch. 133297_Port A/y (transversal) 4.2mm 50 x 50/ABM Interpolated
SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.22

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

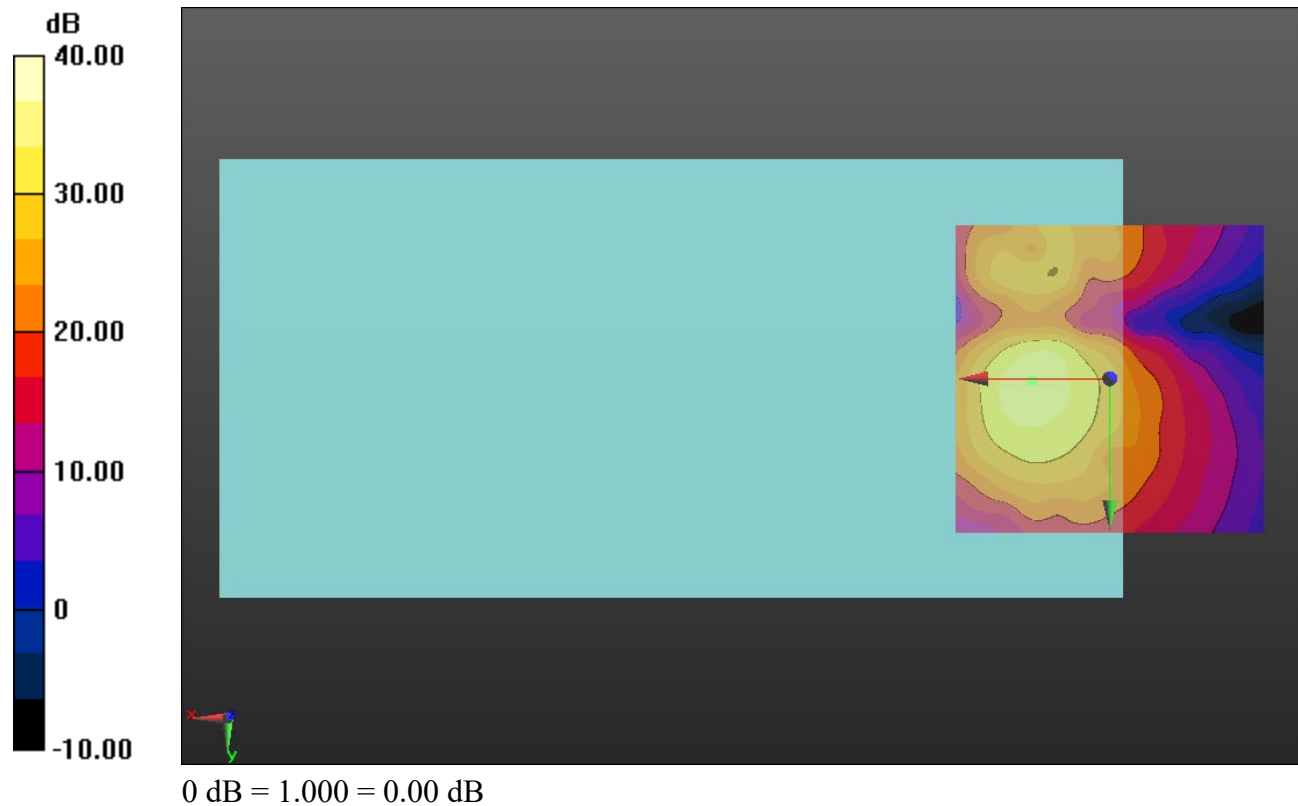
Cursor:

ABM1/ABM2 = 35.59 dB

ABM1 comp = -6.48 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, 0.4, 3.7 mm



Wi-Fi 2.4 GHz

Communication System: UID 0, 1@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)/802.11b_20 MHz BW_CCK 11 Mbps_ OTT_Ch. 6_ANT 3/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

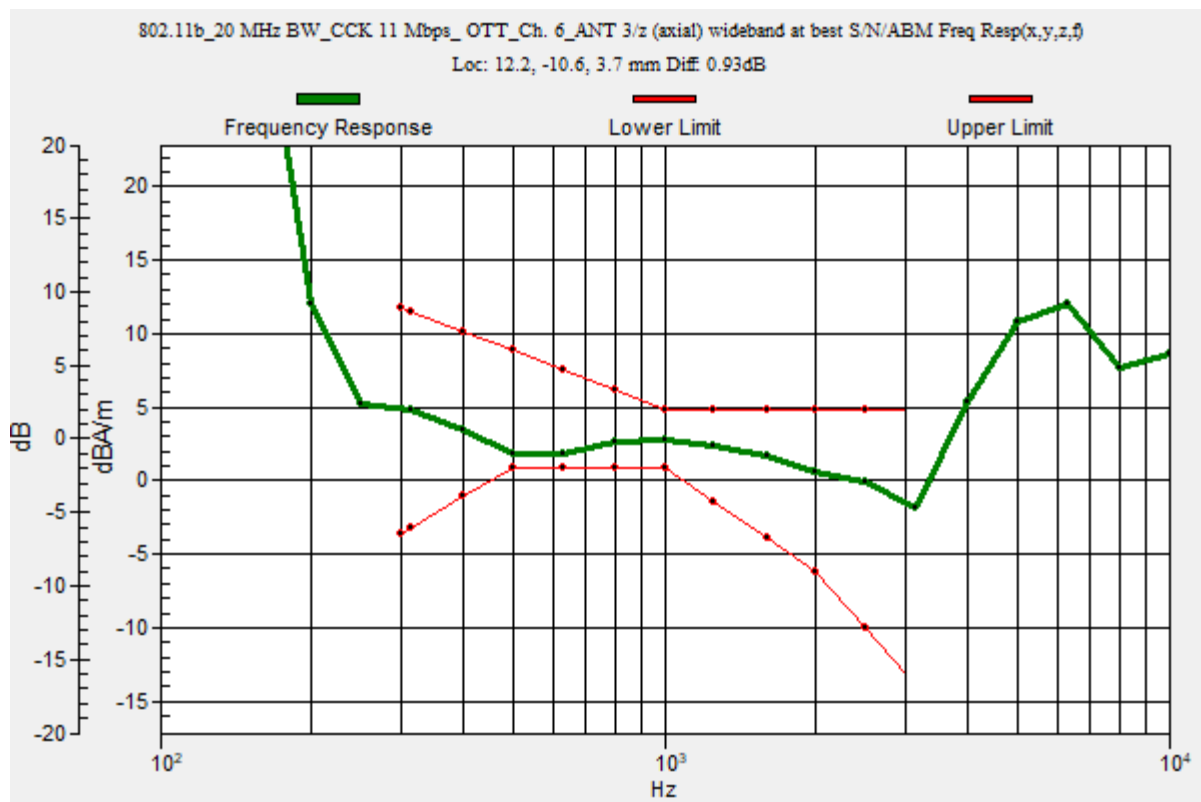
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.93 dB

BWC Factor = 10.80 dB

Location: 12.2, -10.6, 3.7 mm



Wi-Fi 2.4 GHz

Communication System: UID 0, 1@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 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11b_20 MHz BW_CCK 11 Mbps_ OTT_Ch. 6_ANT 3/z (axial) Single Point/ABM SNR(x,y,z) (1x1x1): Measurement grid:

dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

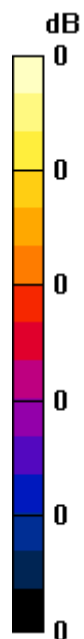
Cursor:

ABM1/ABM2 = 36.33 dB

ABM1 comp = 2.91 dBA/m

BWC Factor = 0.16 dB

Location: 12.2, -10.6, 3.7 mm



0 dB = 1.000 = 0.00 dB

Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5190 MHz;Duty Cycle: 1:1

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz BW_MCS9 180 Mbps_OTT_Ch. 38_ANT 5/y (transversal) wideband at best S/N/ABM

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

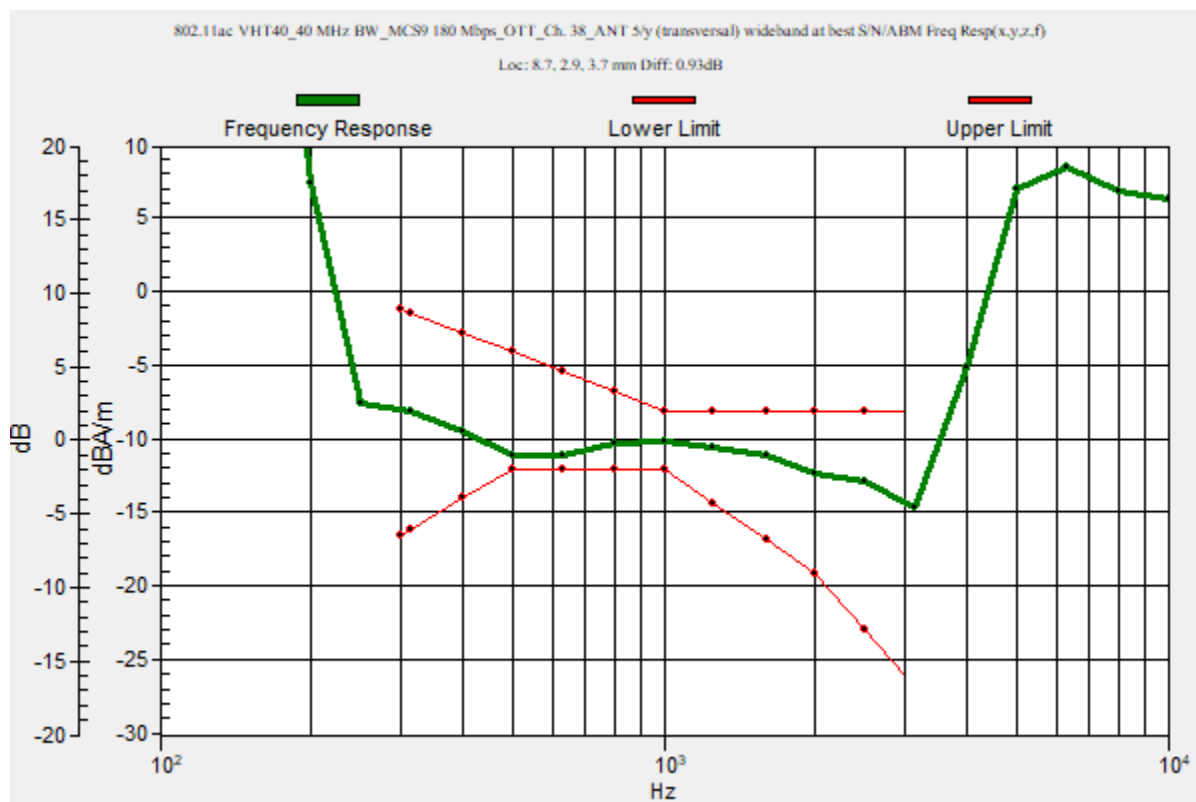
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.93 dB

BWC Factor = 10.80 dB

Location: 8.7, 2.9, 3.7 mm



Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5190 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz BW_MCS9 180 Mbps_OTT_Ch. 38_ANT 5/y (transversal) Single Point/ABM SNR(x,y,z)

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

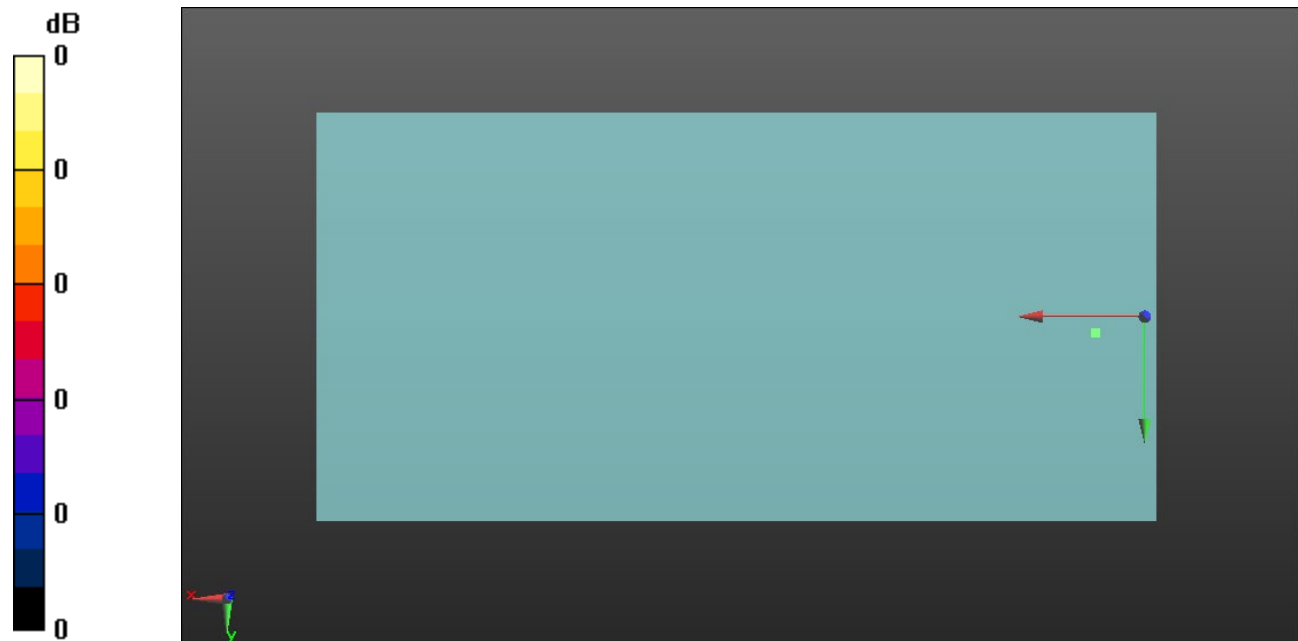
Cursor:

ABM1/ABM2 = 38.82 dB

ABM1 comp = -10.03 dBA/m

BWC Factor = 0.16 dB

Location: 8.7, 2.9, 3.7 mm



0 dB = 1.000 = 0.00 dB

Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5270 MHz;Duty Cycle: 1:1

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz
BW_MCS9 180 Mbps_OTT_Ch. 54_ANT 5/y (transversal) wideband at best S/N/ABM**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

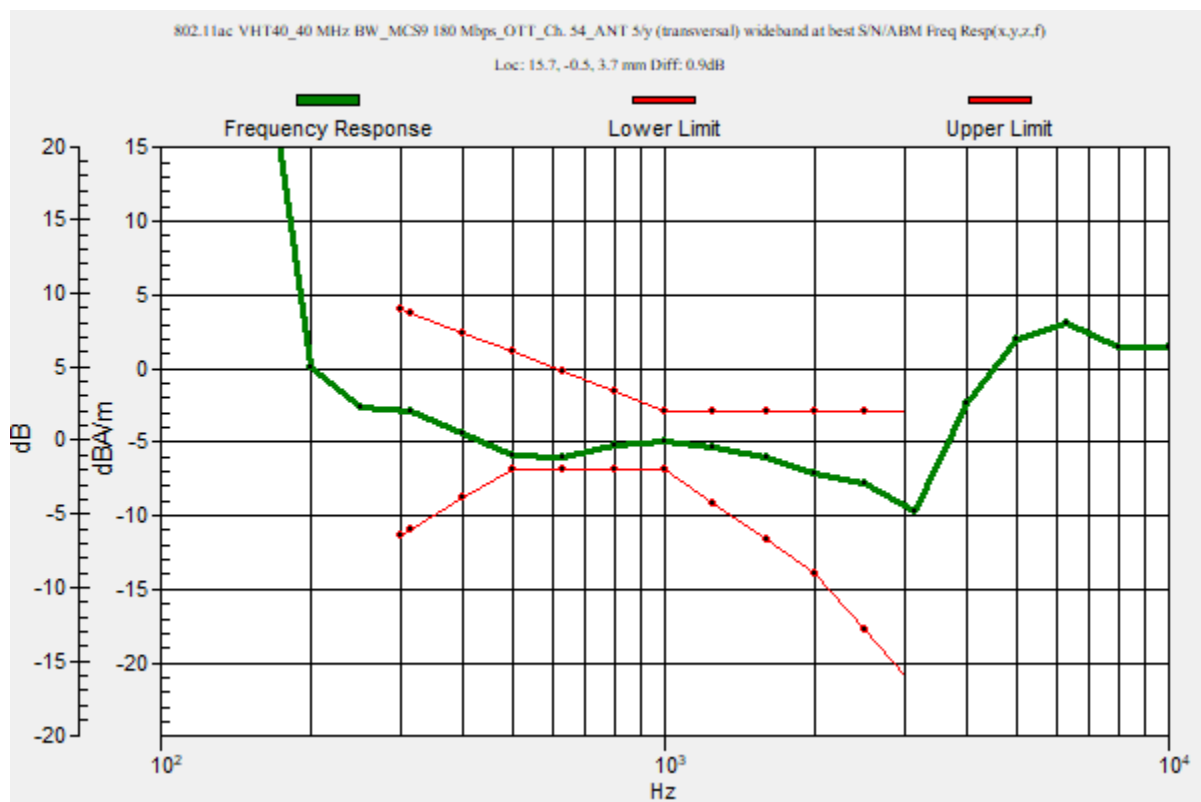
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.90 dB

BWC Factor = 10.80 dB

Location: 15.7, -0.5, 3.7 mm



Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5270 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz

BW_MCS9 180 Mbps_OTT_Ch. 54_ANT 5/y (transversal) 4.2mm 50 x 50/ABM

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

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

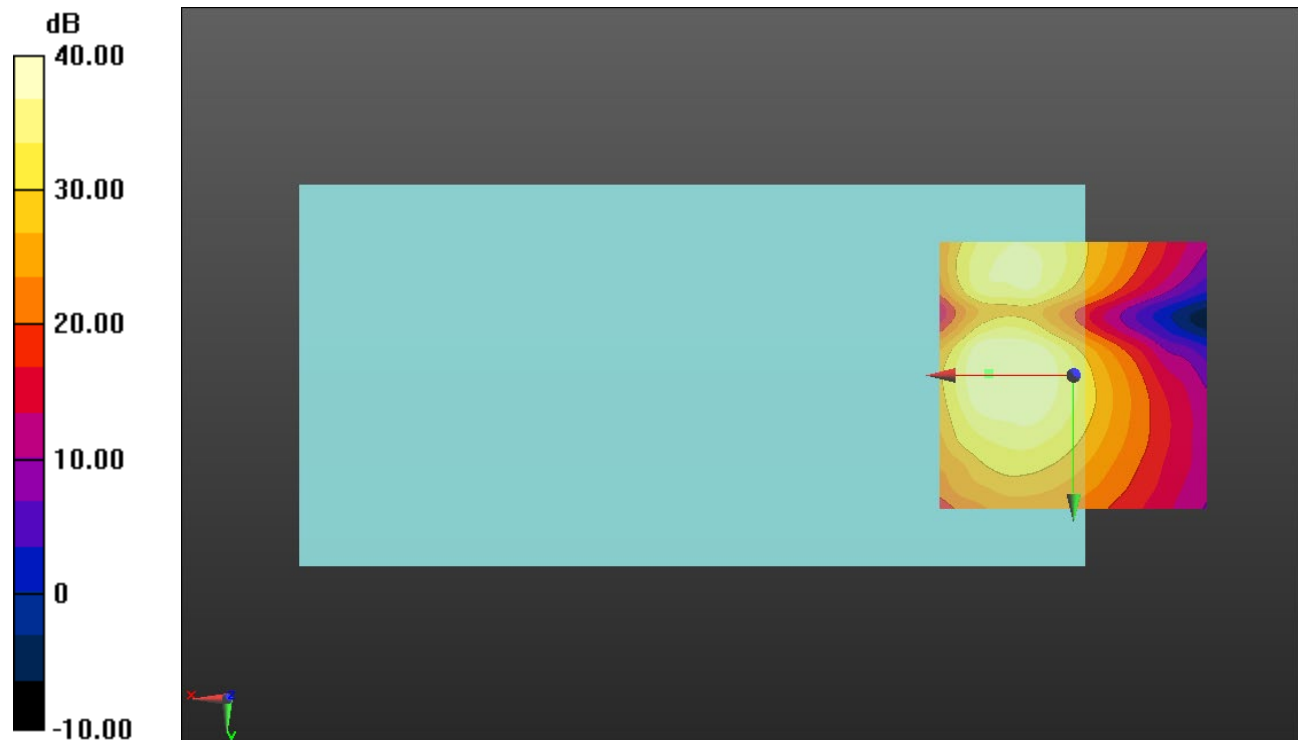
Cursor:

ABM1/ABM2 = 41.65 dB

ABM1 comp = -5.10 dBA/m

BWC Factor = 0.16 dB

Location: 15.8, -0.4, 3.7 mm



0 dB = 1.000 = 0.00 dB

Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5510 MHz;Duty Cycle: 1:1

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz
BW_MCS9 180 Mbps_OTT_Ch. 102_ANT 5/y (transversal) wideband at best S/N/ABM**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

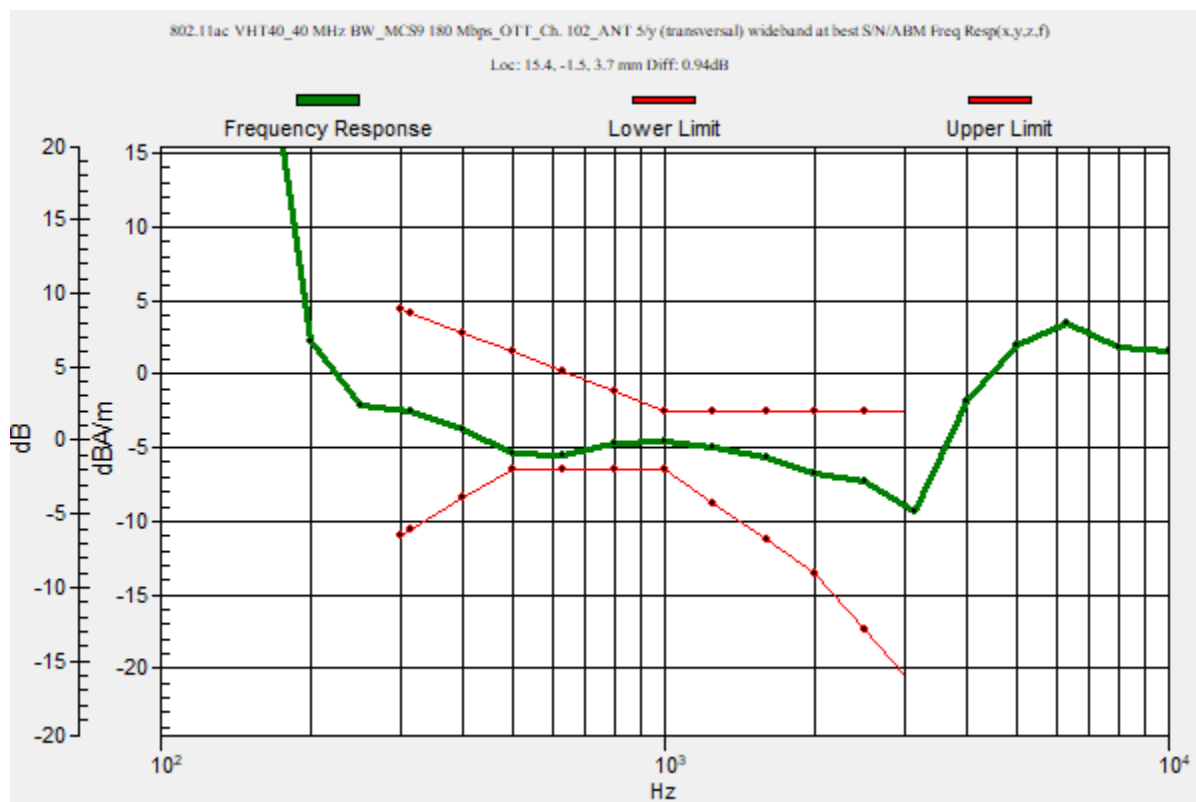
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.94 dB

BWC Factor = 10.80 dB

Location: 15.4, -1.5, 3.7 mm



Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5510 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz
BW_MCS9 180 Mbps_OTT_Ch. 102_ANT 5/y (transversal) 4.2mm 50 x 50/ABM
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

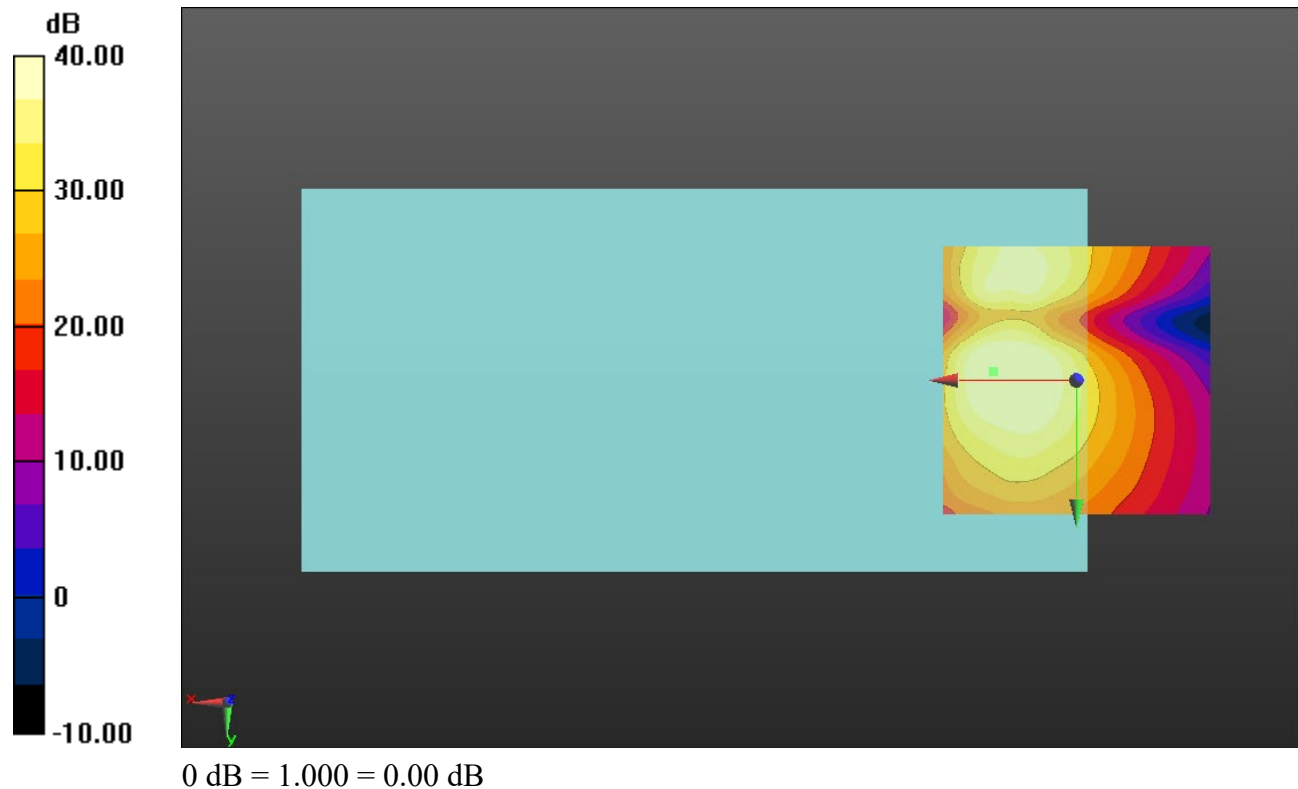
Cursor:

ABM1/ABM2 = 41.86 dB

ABM1 comp = -4.57 dBA/m

BWC Factor = 0.16 dB

Location: 15.4, -1.7, 3.7 mm



Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5755 MHz;Duty Cycle: 1:1

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz
BW_MCS9 180 Mbps_OTT_Ch. 151_ANT 5/y (transversal) wideband at best S/N/ABM**

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 72.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

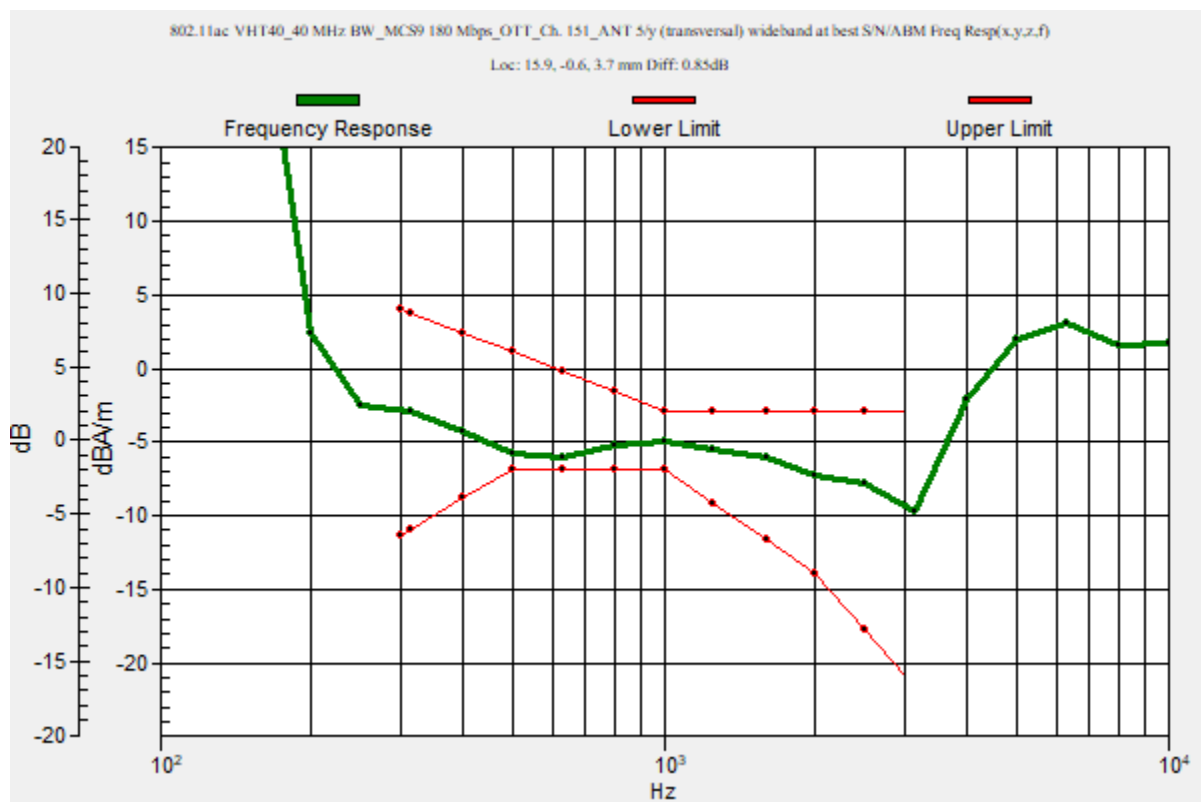
Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

Diff = 0.85 dB

BWC Factor = 10.80 dB

Location: 15.9, -0.6, 3.7 mm



Wi-Fi 5 GHz

Communication System: UID 0, 1@IEEE 802.11a/n/ac 5 GHz Band (0); Frequency: 5755 MHz; Duty Cycle: 1:1

Phantom section: TCoil Section

DASY5 Configuration:

- Probe: AM1DV3 - 3092; ; Calibrated: 4/15/2021
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1546; Calibrated: 3/11/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 2011 compliance)/802.11ac VHT40_40 MHz
BW_MCS9 180 Mbps_OTT_Ch. 151_ANT 5/y (transversal) 4.2mm 50 x 50/ABM
Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 37.14

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.60 dB

ABM1 comp = -5.11 dBA/m

BWC Factor = 0.16 dB

Location: 15.8, -0.4, 3.7 mm

