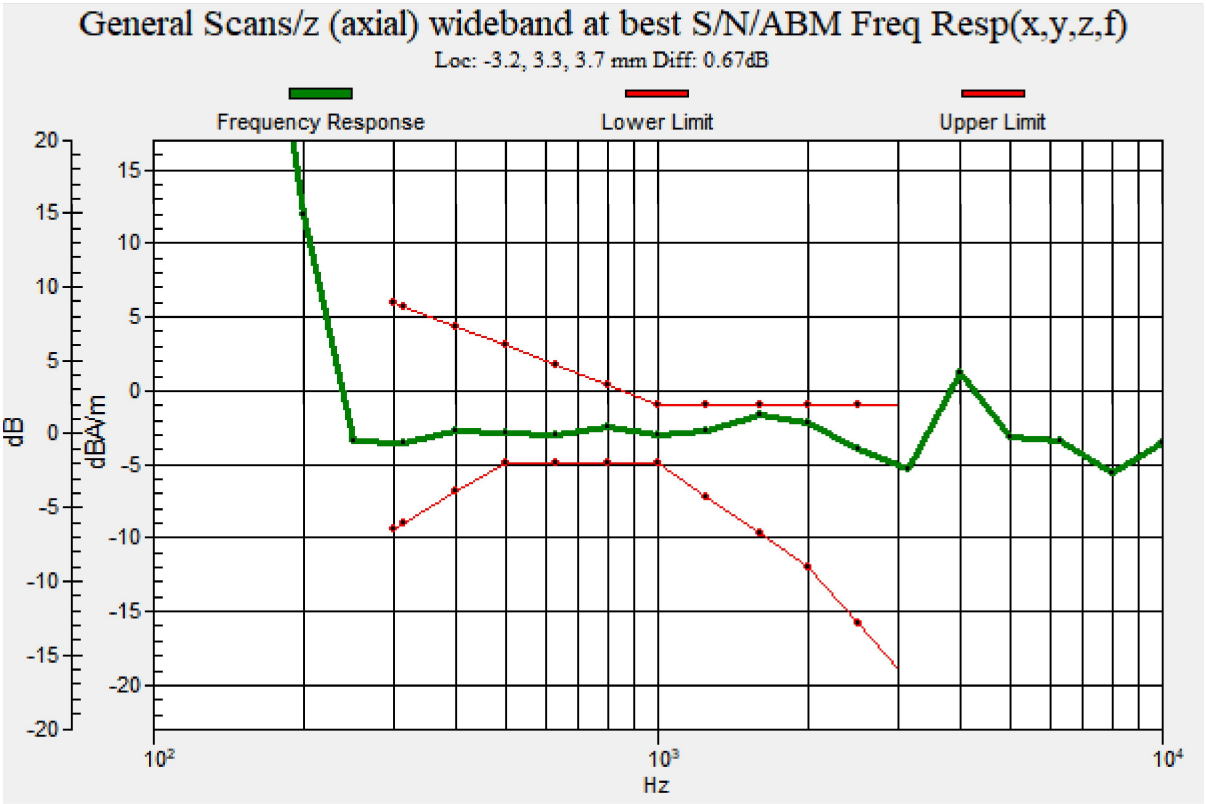
P09 T-Coil_LTE 7_QPSK20M_Ch21100_1RB_OS0_EVS NB 5.9kbps_Freq Resp

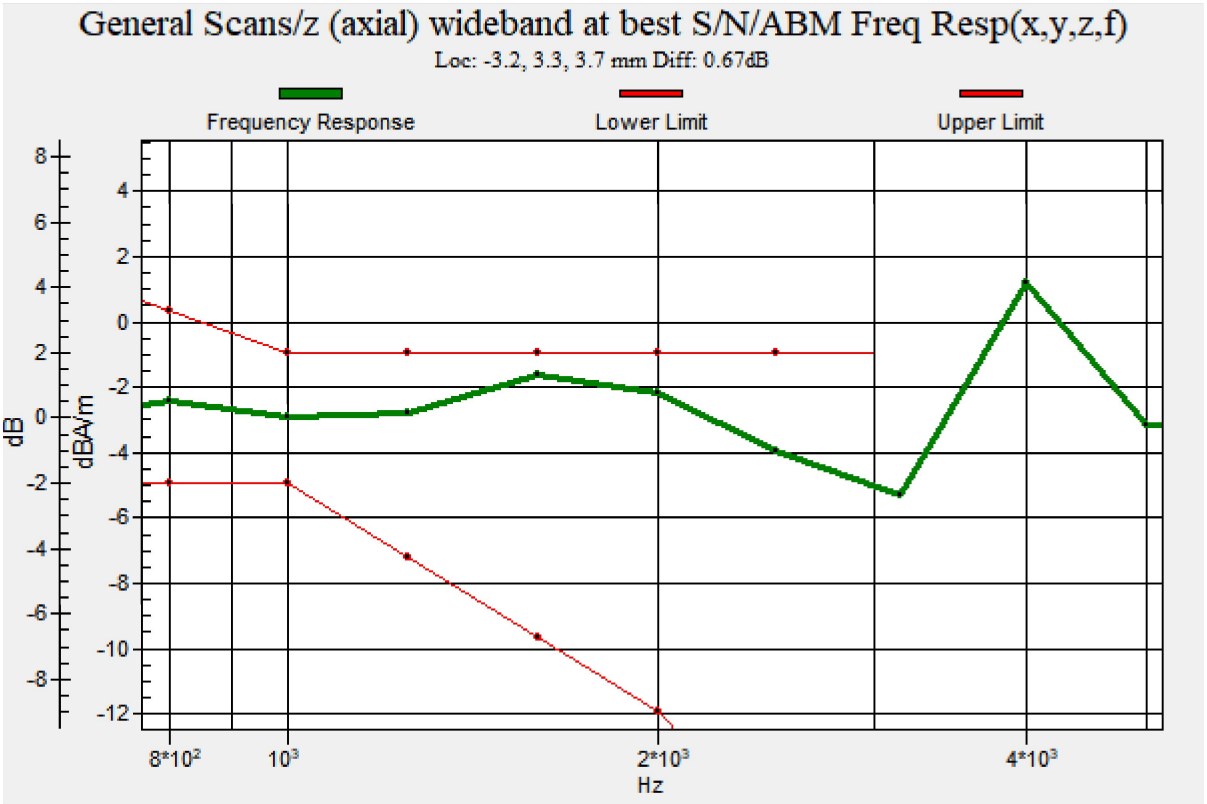
Communication System: LTE; Frequency: 2535 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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



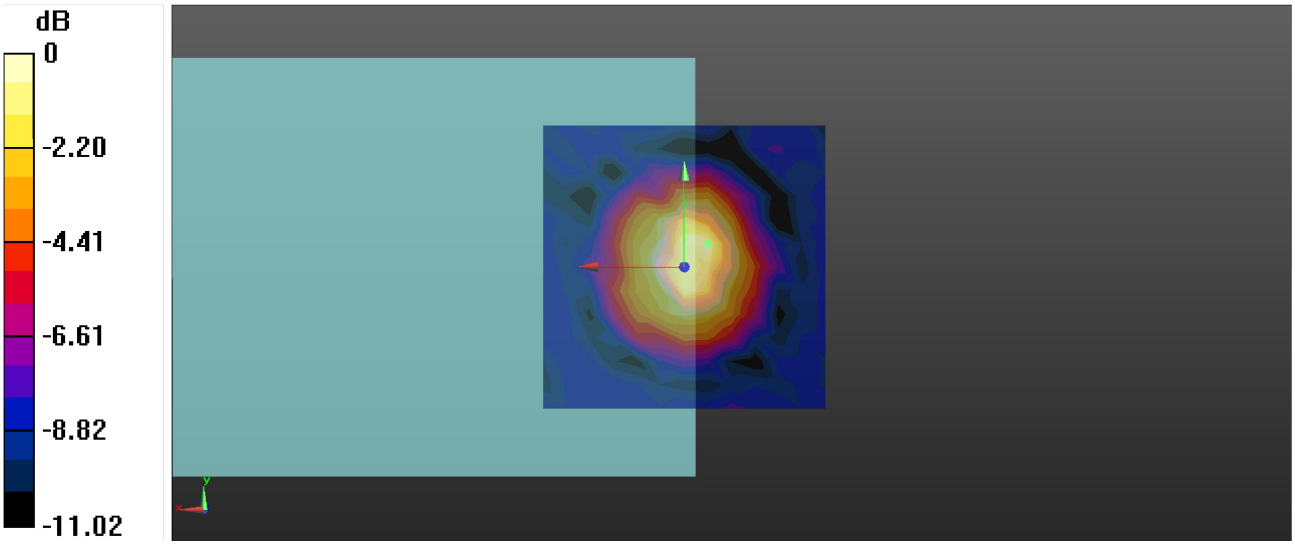

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3.2, 3.3, 3.7 mm Diff: 0.67dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
8
6
4
2
0
-2
-4
-6
-8
4
2
0
-2
-4
-6
-8
-10
-12
8*10²
10³
2*10³
4*10³
Hz

P10 T-Coil_LTE 12_QPSK10M_Ch23095_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 48.29 dB
ABM1 comp = 1.75 dBA/m
Location: -4.2, 4.2, 3.7 mm



0 dB = 259.6 = 48.29 dB

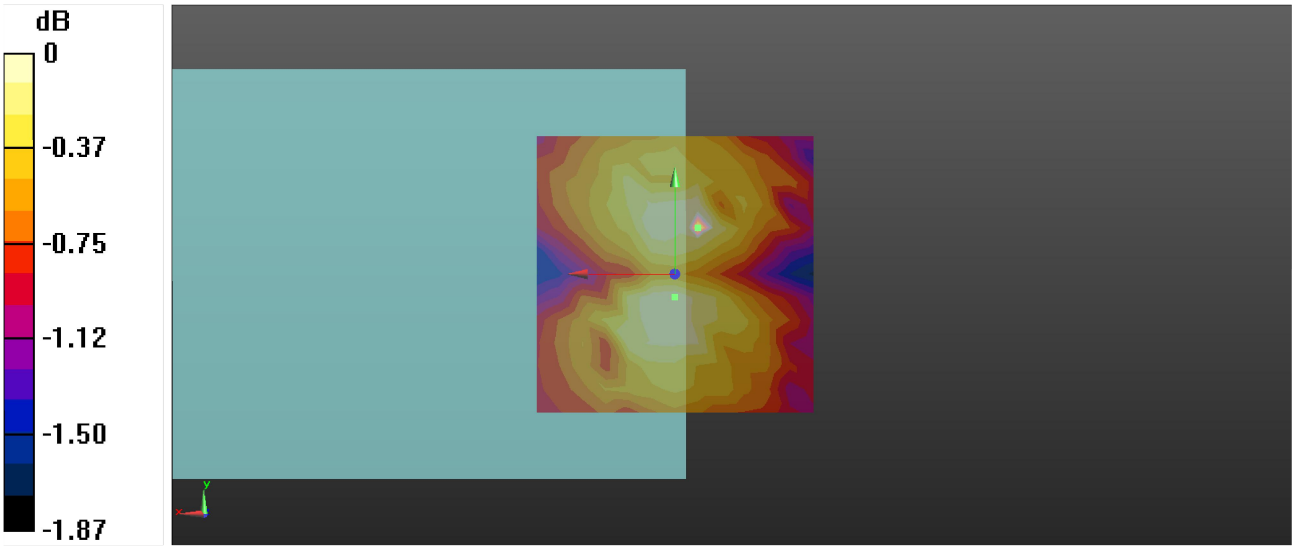
P10 T-Coil_LTE 12_QPSK10M_Ch23095_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 45.14 dB
ABM1 comp = -5.77 dBA/m
Location: -4.2, 8.3, 3.7 mm



0 dB = 180.7 = 45.14 dB

Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/18/2021

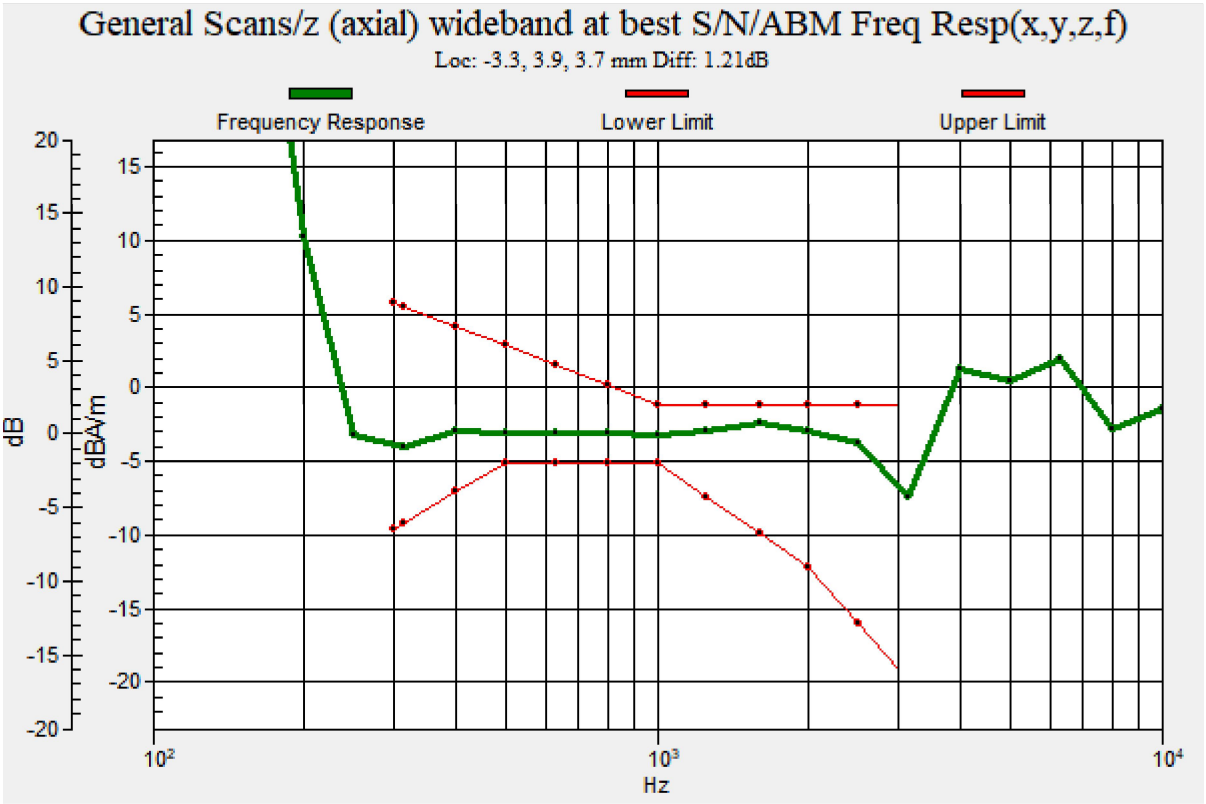
P10 T-Coil_LTE 12_QPSK10M_Ch23095_1RB_OS0_EVS NB 5.9kbps_Freq Resp

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.5℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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



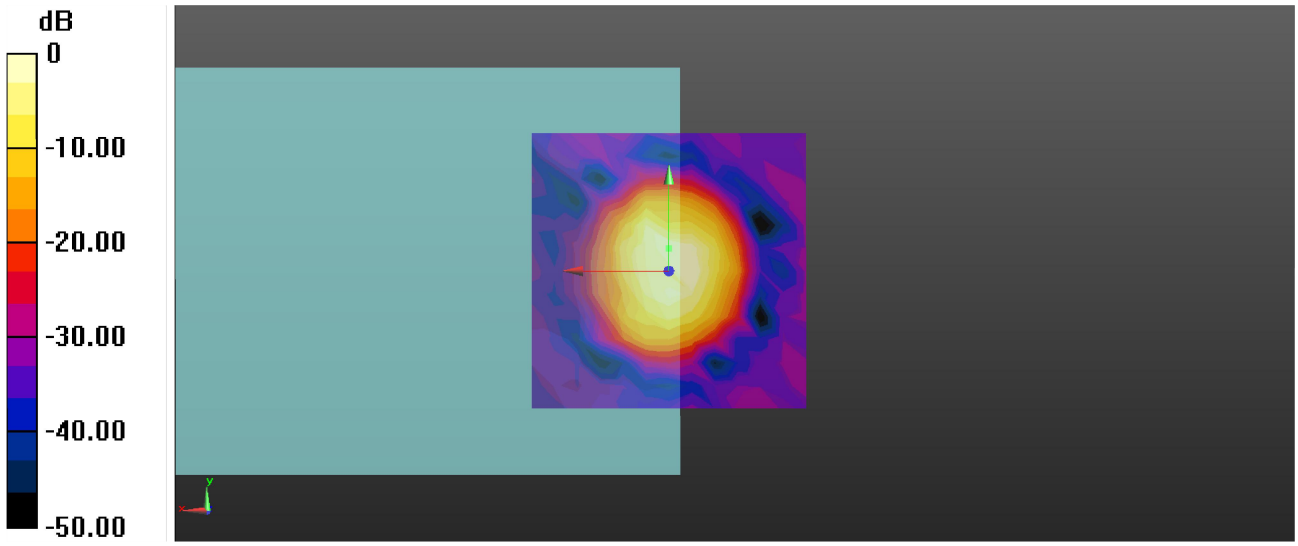
Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/19/2021

P11 T-Coil_LTE 13_QPSK10M_Ch23230_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 49.23 dB
ABM1 comp = 1.74 dBA/m
Location: 0, 4.2, 3.7 mm



0 dB = 289.5 = 49.23 dB

Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/19/2021

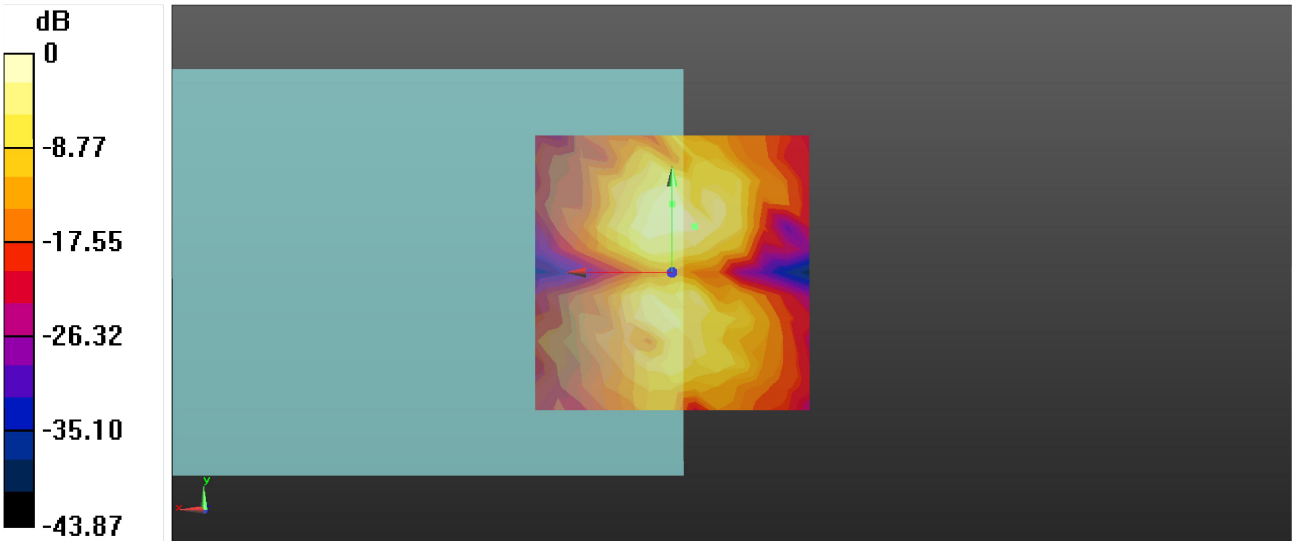
P11 T-Coil_LTE 13_QPSK10M_Ch23230_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 44.32 dB
ABM1 comp = -7.40 dBA/m
Location: -4.2, 8.3, 3.7 mm



0 dB = 164.4 = 44.32 dB

Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/19/2021

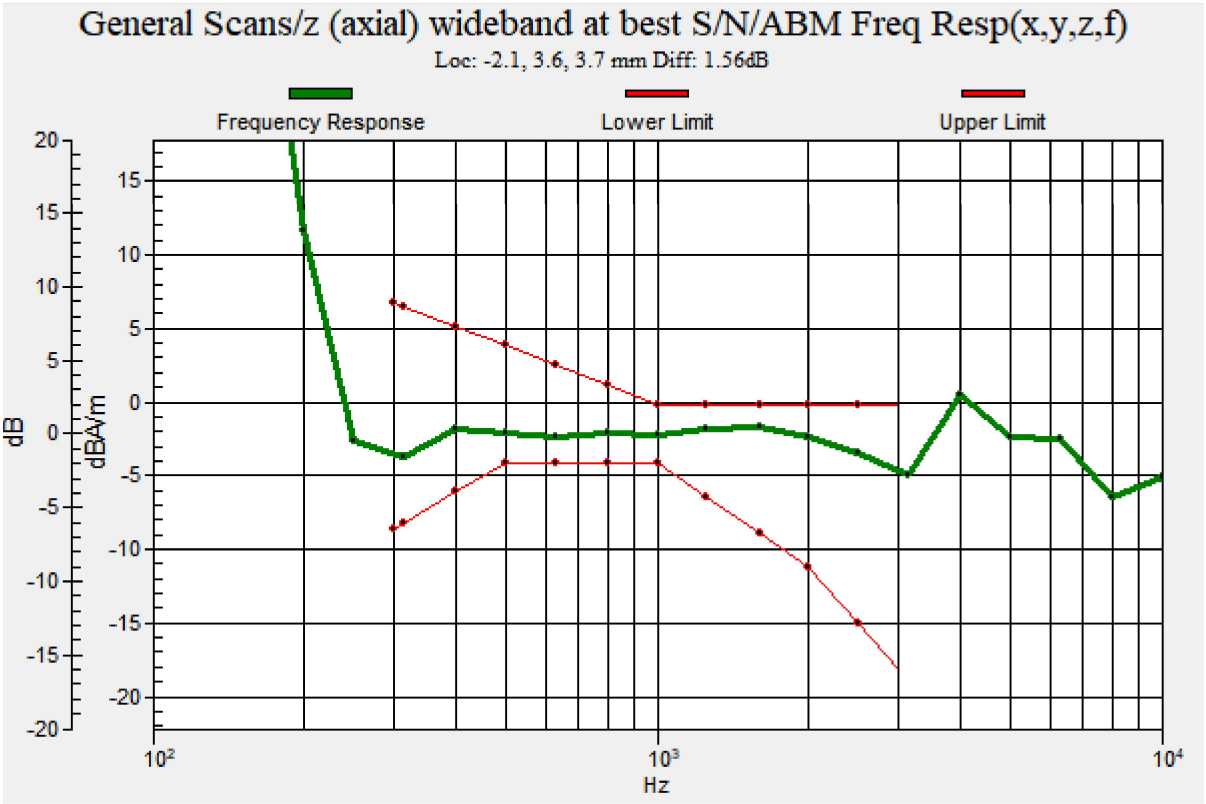
P11 T-Coil_LTE 13_QPSK10M_Ch23230_1RB_OS0_EVS NB 5.9kbps_Freq Resp

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

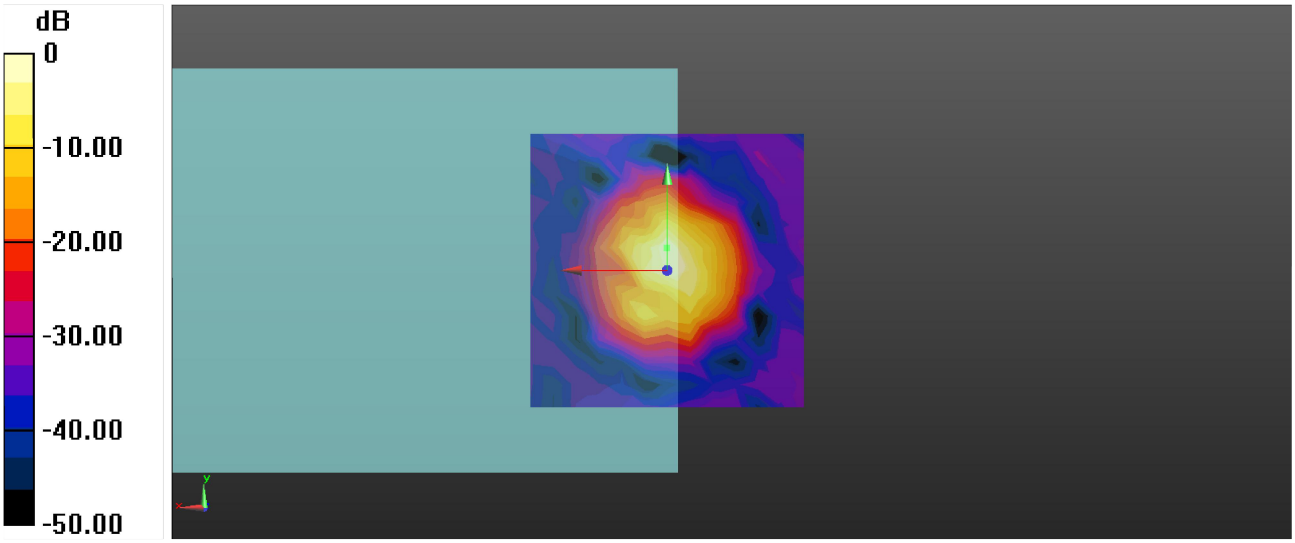


P12 T-Coil_LTE 14_QPSK10M_Ch23330_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 50.61 dB
ABM1 comp = 4.18 dBA/m
Location: 0, 4.2, 3.7 mm



0 dB = 339.1 = 50.61 dB

Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/19/2021

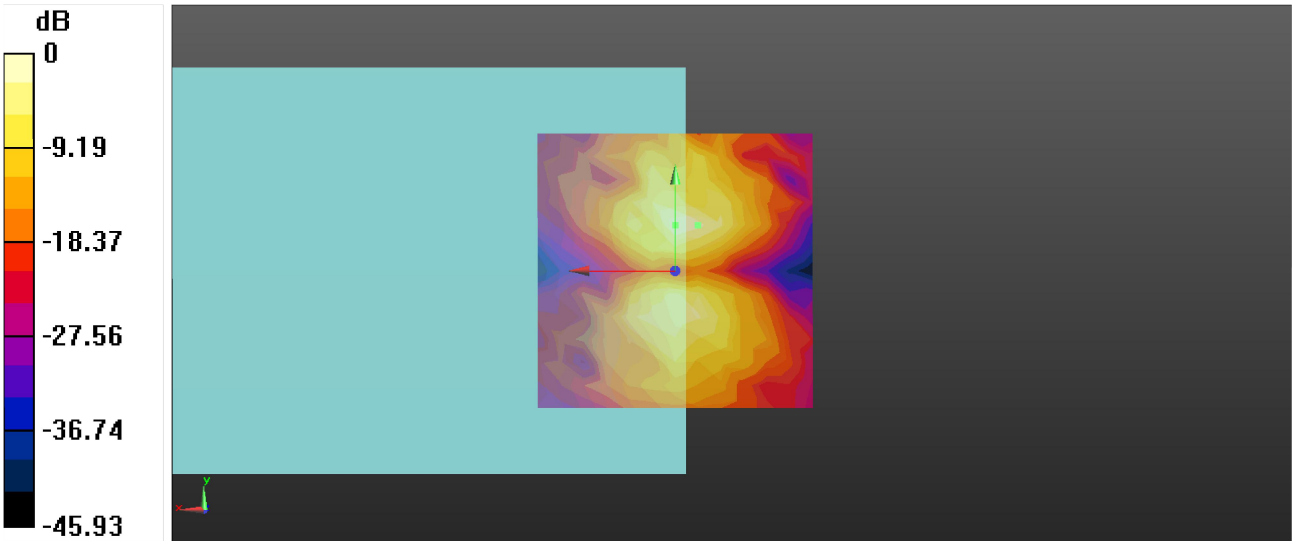
P12 T-Coil_LTE 14_QPSK10M_Ch23330_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 45.73 dB
ABM1 comp = -6.04 dBA/m
Location: -4.2, 8.3, 3.7 mm



0 dB = 193.4 = 45.73 dB

Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/19/2021

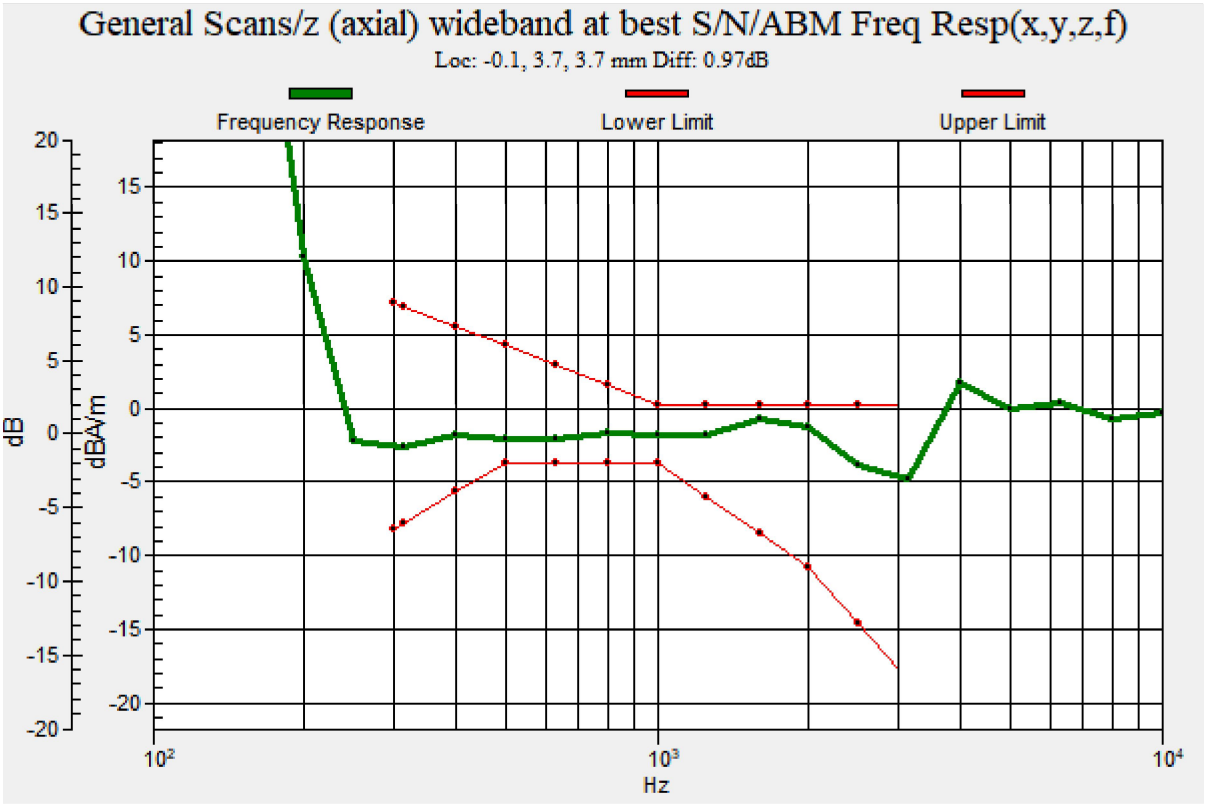
P12 T-Coil_LTE 14_QPSK10M_Ch23330_1RB_OS0_EVS NB 5.9kbps_Freq Resp

Communication System: LTE; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

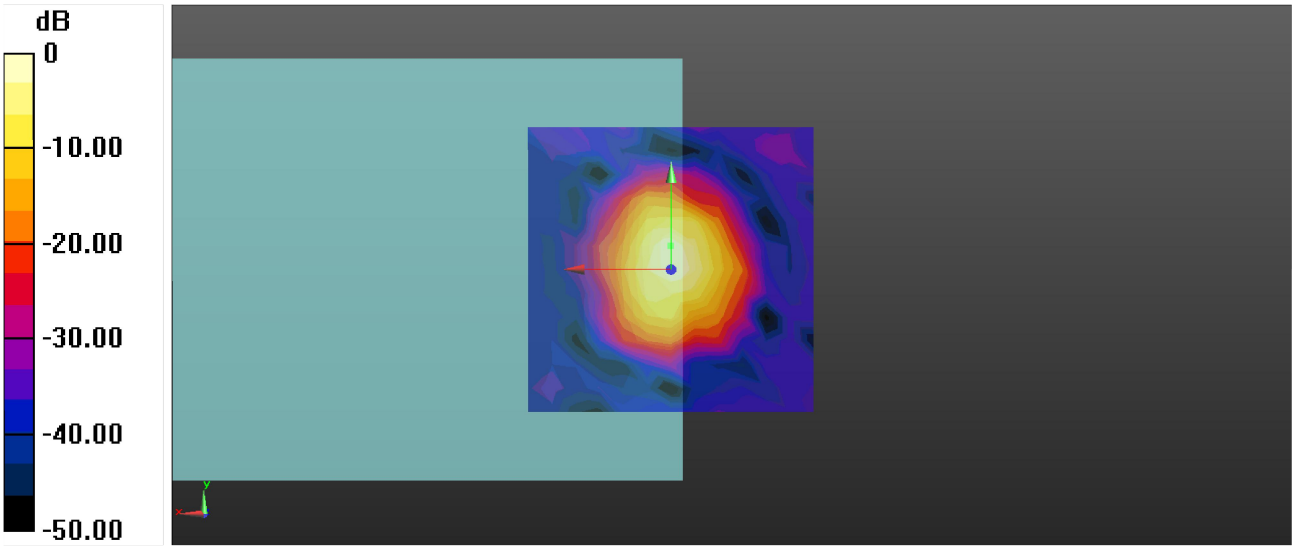


P13 T-Coil_LTE 17_QPSK10M_Ch23790_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 49.81 dB
ABM1 comp = 3.70 dBA/m
Location: 0, 4.2, 3.7 mm



0 dB = 309.3 = 49.81 dB

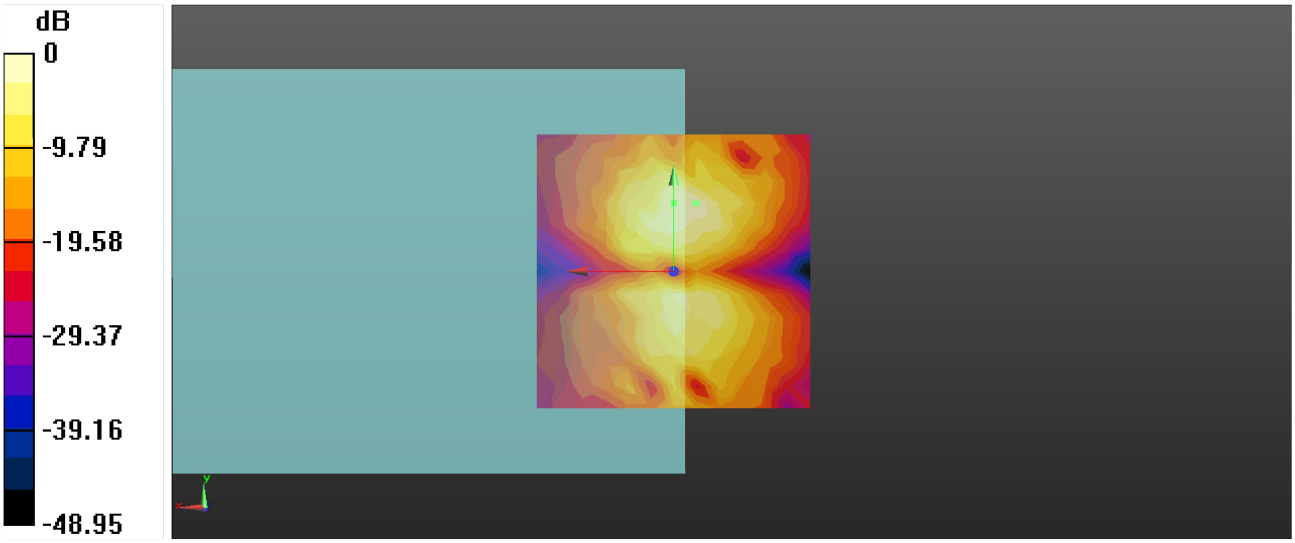
P13 T-Coil_LTE 17_QPSK10M_Ch23790_1RB_OS0_EVS NB 5.9kbps_Radial (Y)

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 45.22 dB
ABM1 comp = -4.65 dBA/m
Location: -4.2, 12.5, 3.7 mm



0 dB = 182.3 = 45.22 dB

Test Laboratory: BV 7 Layers ADT SAR/HAC Testing Lab Date: 8/19/2021

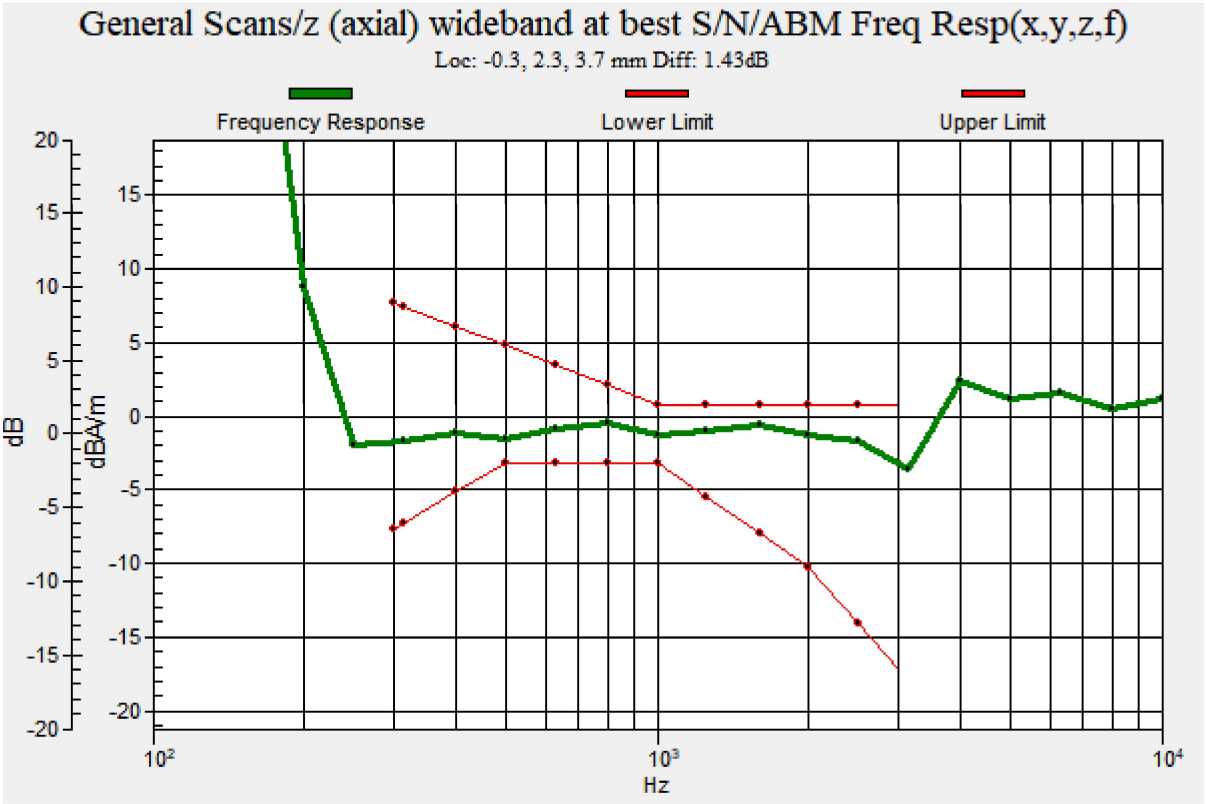
P13 T-Coil_LTE 17_QPSK10M_Ch23790_1RB_OS0_EVS NB 5.9kbps_Freq Resp

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

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

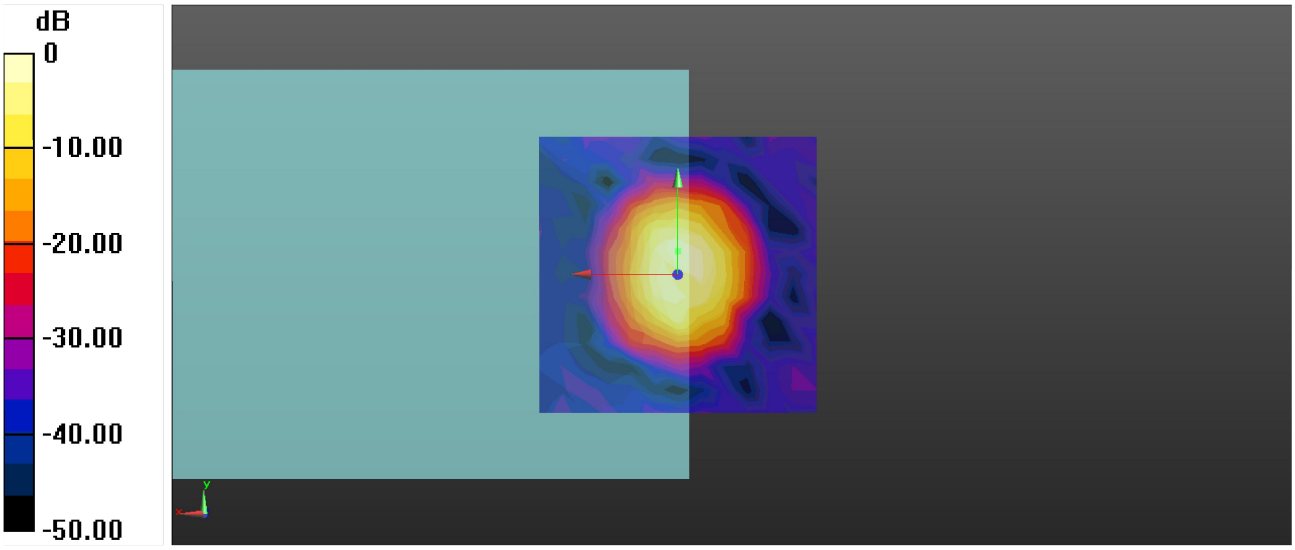


P14 T-Coil_LTE 25_QPSK20M_Ch26365_1RB_OS0_EVS NB 5.9kbps_Axial (Z)

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.7℃

DASY5 Configuration:
- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 49.33 dB
ABM1 comp = 2.22 dBA/m
Location: 0, 4.2, 3.7 mm



0 dB = 292.6 = 49.33 dB