Annex C Plots of T-Coil Test Results

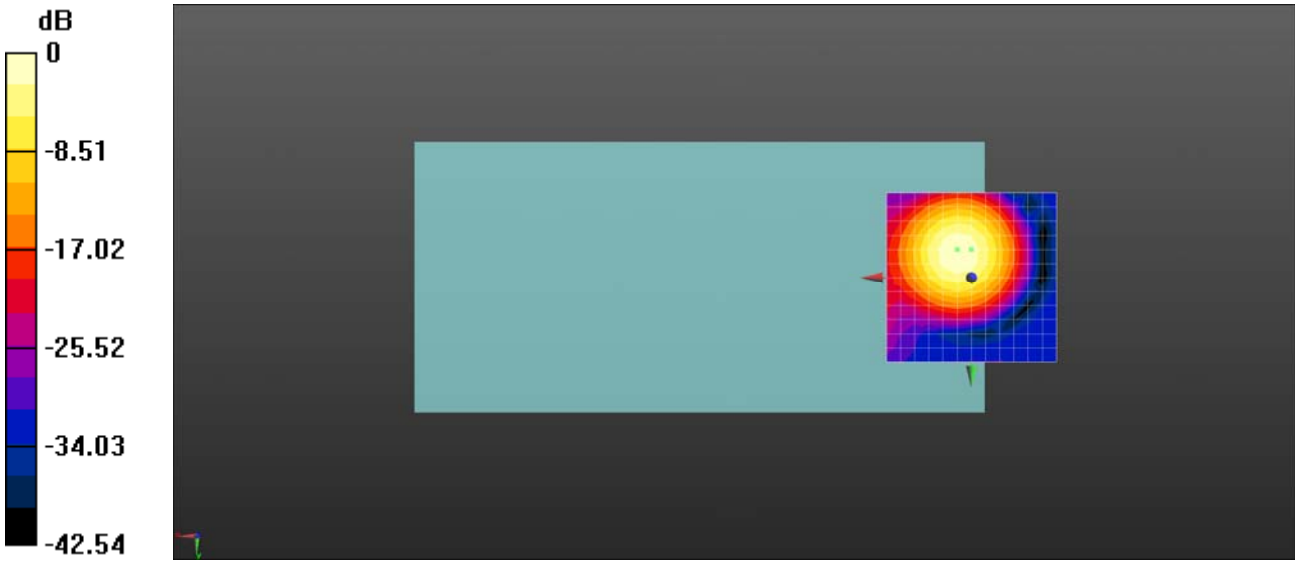
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2022.03.15

HAC_T-Coil_LTE Band 13_10MHz_QPSK_1RB_0offset_AMR 12.2Kbps_Ch23230_Z

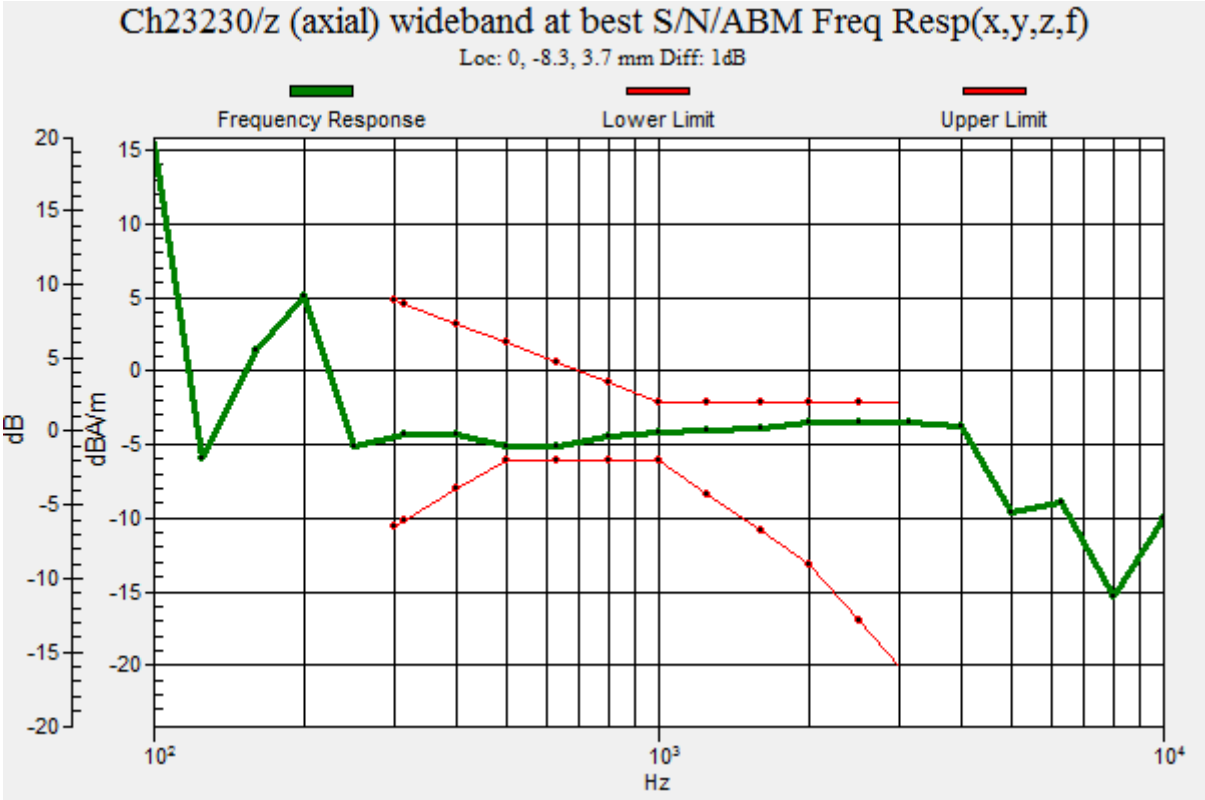
Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 782 MHz;Duty Cycle: 1:3.7325
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:
dx=10mm, dy=10mm
ABM1/ABM2 = 35.83 dB
ABM1 comp = -11.12 dBA/m
BWC Factor = 0.0051 dB
Location: 0, -8.3, 3.7 mm



0 dB = 61.87 = 35.83 dB


Ch23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -8.3, 3.7 mm Diff: 1dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

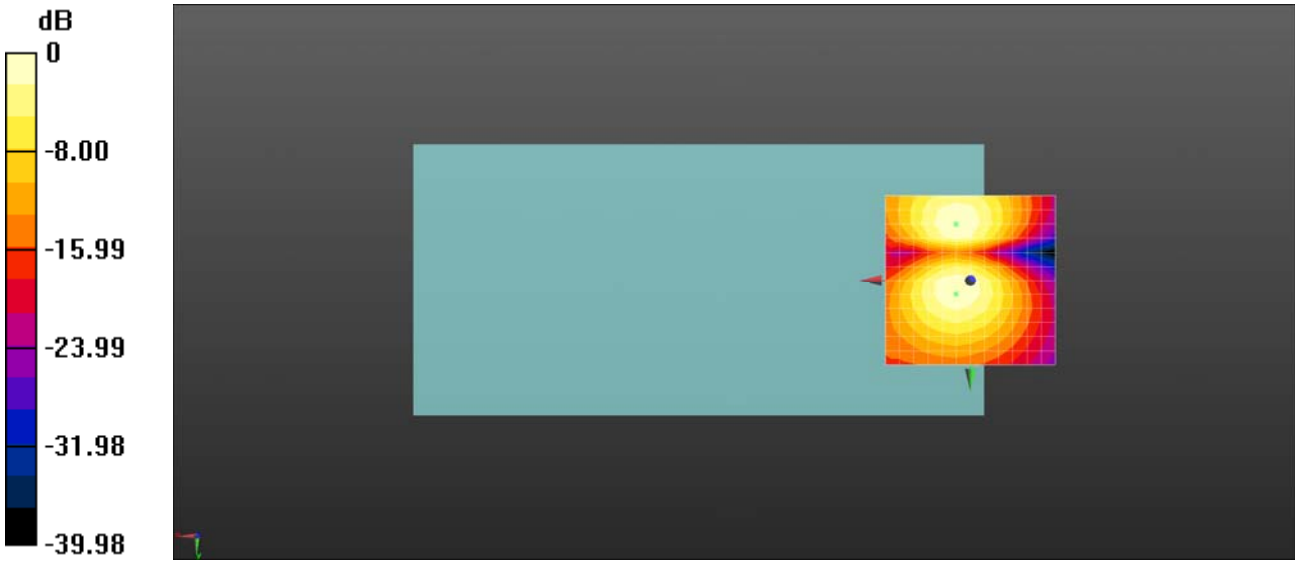
Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd. Date: 2022.03.15

HAC_T-Coil_LTE Band 13_10MHz_QPSK_1RB_0offset_AMR 12.2Kbps_Ch23230_Y

Communication System: UID 10175 - CAB, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);
Frequency: 782 MHz;Duty Cycle: 1:3.7325
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.2 ℃

DASY5 Configuration:
- Probe: AM1DV2 - 1048; ; Calibrated: 2022.02.22
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 33.54 dB
ABM1 comp = -16.21 dBA/m
BWC Factor = 0.0051 dB
Location: 4.2, 4.2, 3.7 mm



0 dB = 47.53 = 33.54 dB