

LTE B30_10 M_Band Edge(2337MHz-2341MHz)_Low_QPSK_1RB



LTE B30_10 M_Band Edge(2341MHz-2345MHz)_Low_QPSK_1RB



LTE B30_10 M_Band Edge(2345MHz-2365MHz)_Low_QPSK_1RB



LTE B30_10 M_Band Edge(2365MHz-2400MHz)_Low_QPSK_1RB



11. TEST PLOTS(Sub 1 Ant)

LTE B30_5 M_PAR_Mid_QPSK_FullRB



LTE B30_5 M_PAR_Mid_16QAM_FullRB



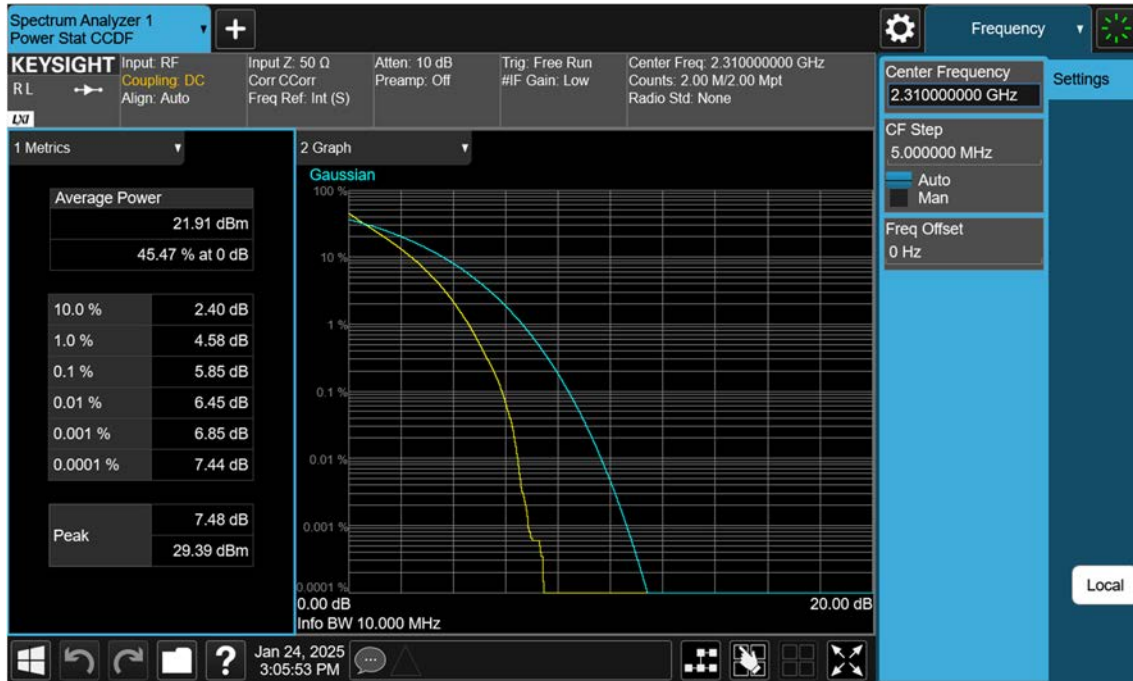
LTE B30_5 M_PAR_Mid_64QAM_FullRB



LTE B30_5 M_PAR_Mid_256QAM_FullRB



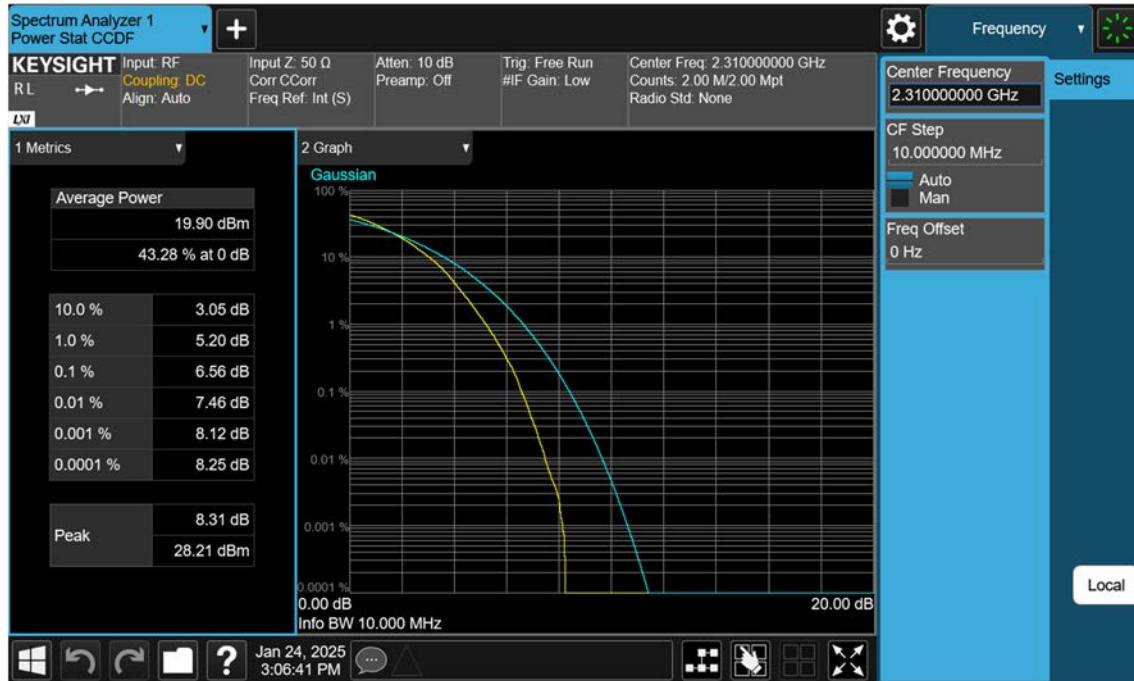
LTE B30_10 M_PAR_Low_QPSK_FullRB



LTE B30_10 M_PAR_Low_16QAM_FullRB



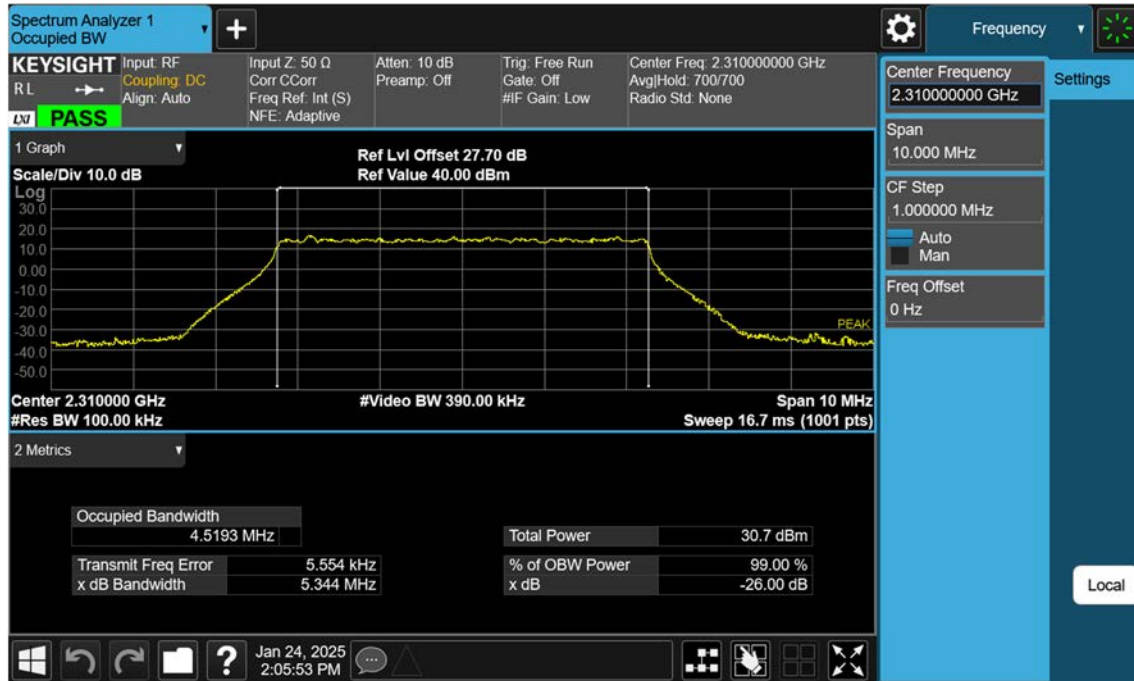
LTE B30_10 M_PAR_Low_64QAM_FullRB



LTE B30_10 M_PAR_Low_256QAM_FullRB



LTE B30_5 M_OBW_Mid_QPSK_FullRB



Spectrum Analyzer 1
Occupied BW

Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: CCorr
Freq Ref: Int (S)
NFE: Adaptive

Atten: 10 dB
Preamp: Off

Trig: Free Run
Gate: Off
#F Gain: Low

Center Freq: 2.31000000 GHz
Avg/Hold: 700/700
Radio Std: None

Center Frequency
2.31000000 GHz

Span
10.000 MHz

CF Step
1.000000 MHz

Freq Offset
0 Hz

Settings

1 Graph

Scale/Div 10.0 dB

Log

Ref Lvl Offset 27.70 dB
Ref Value 40.00 dBm

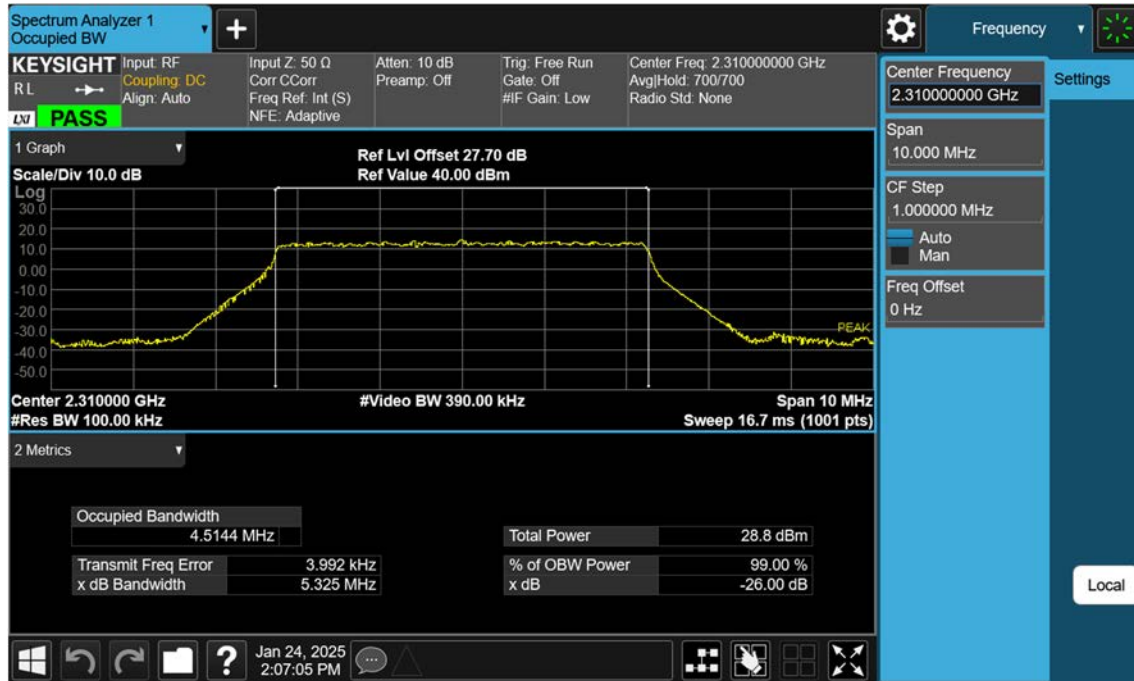
Center 2.310000 GHz
#Res BW 100.00 kHz
#Video BW 390.00 kHz
Span 10 MHz
Sweep 16.7 ms (1001 pts)

2 Metrics

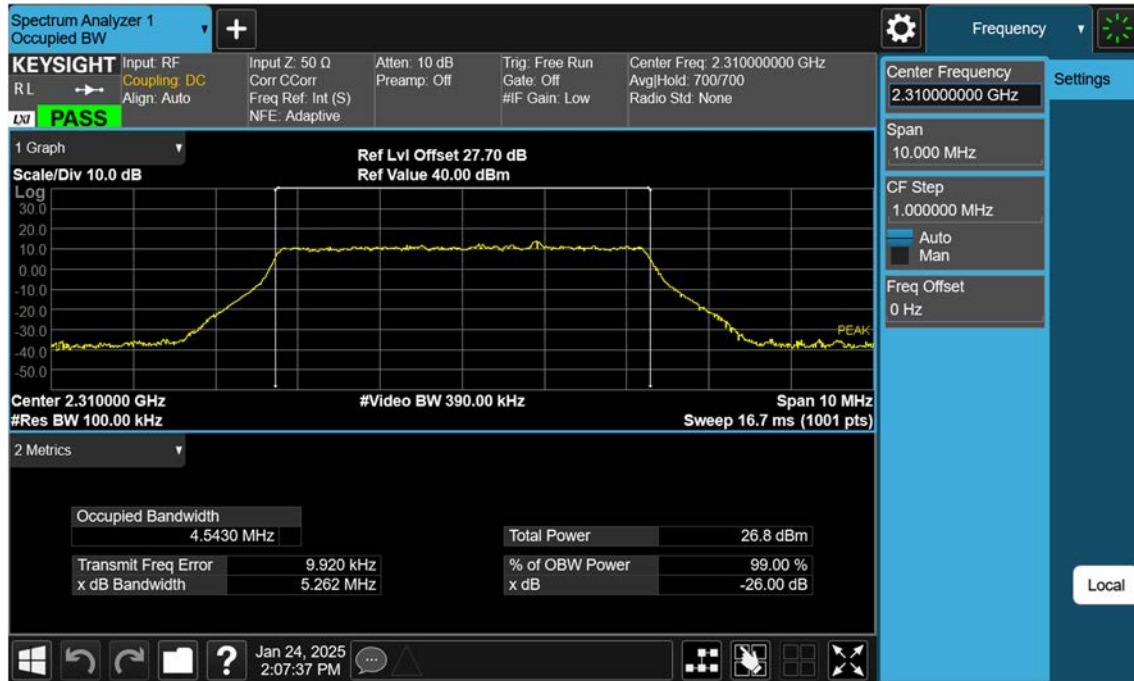
Occupied Bandwidth	4.5020 MHz	Total Power	29.9 dBm
Transmit Freq Error	-730 Hz	% of OBW Power	99.00 %
x dB Bandwidth	5.253 MHz	x dB	-26.00 dB

Local

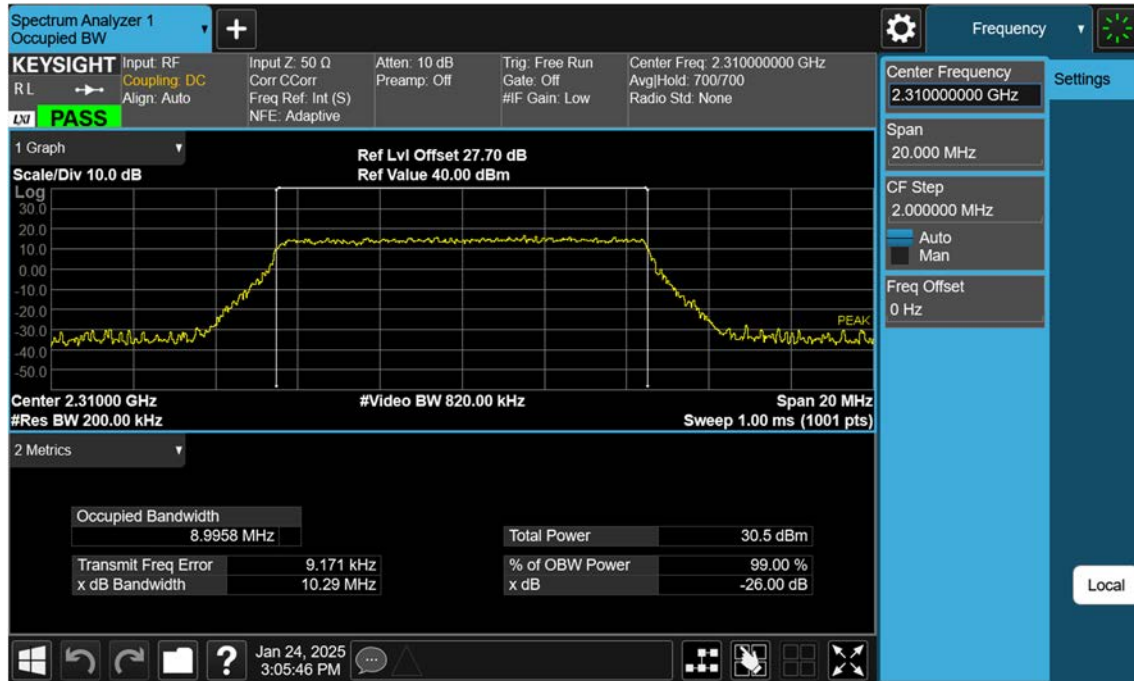
LTE B30_5 M_OBW_Mid_64QAM_FullRB



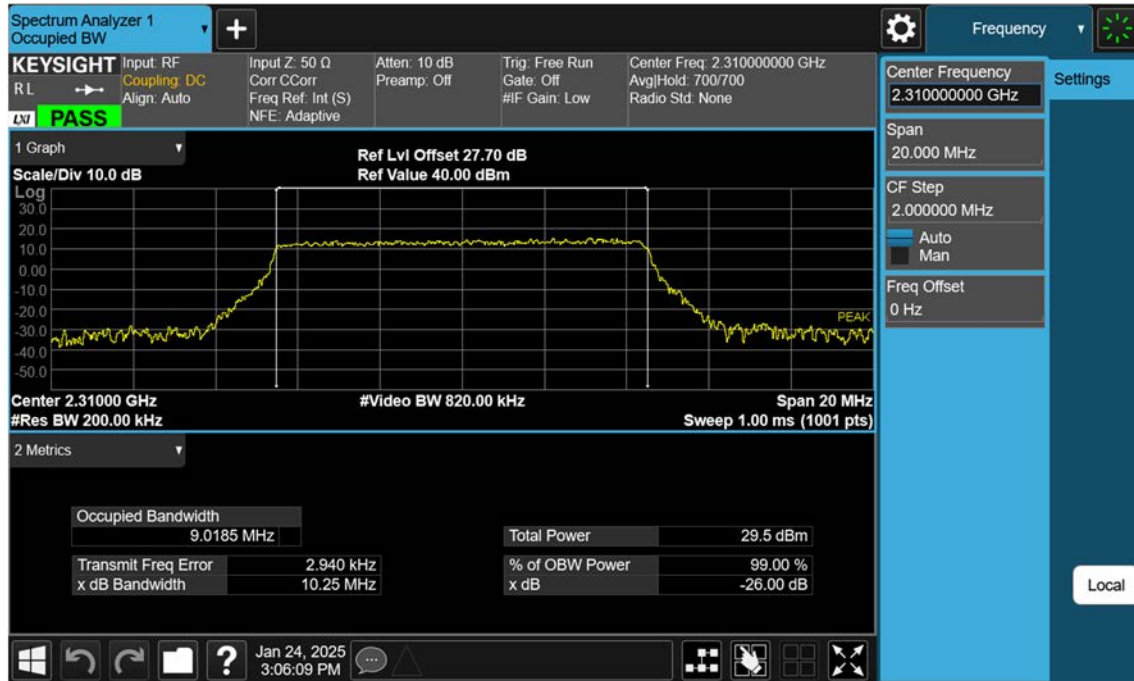
LTE B30_5 M_OBW_Mid_256QAM_FullRB



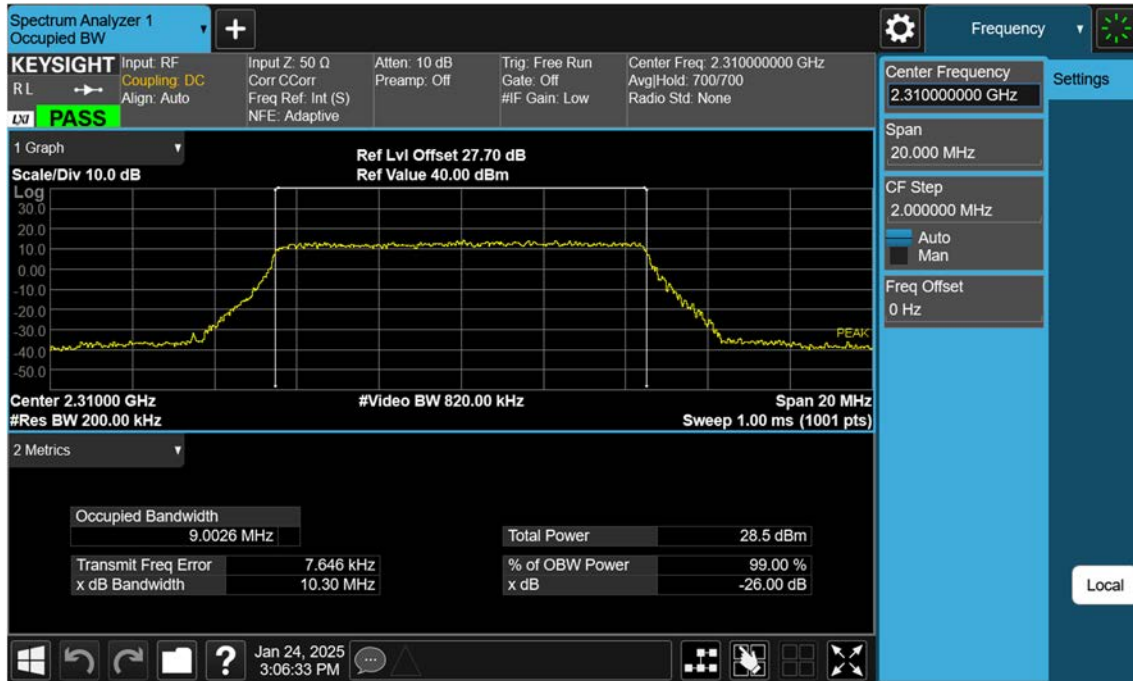
LTE B30_10 M_OBW_Low_QPSK_FullIRB



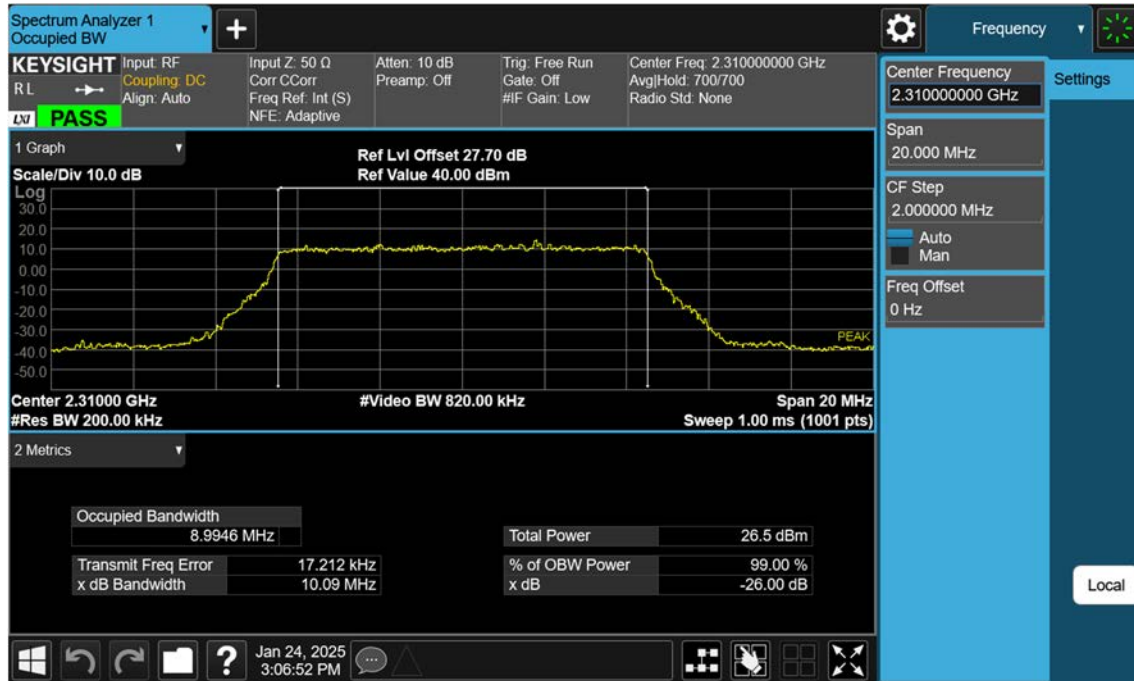
LTE B30_10 M_OBW_Low_16QAM_FullRB



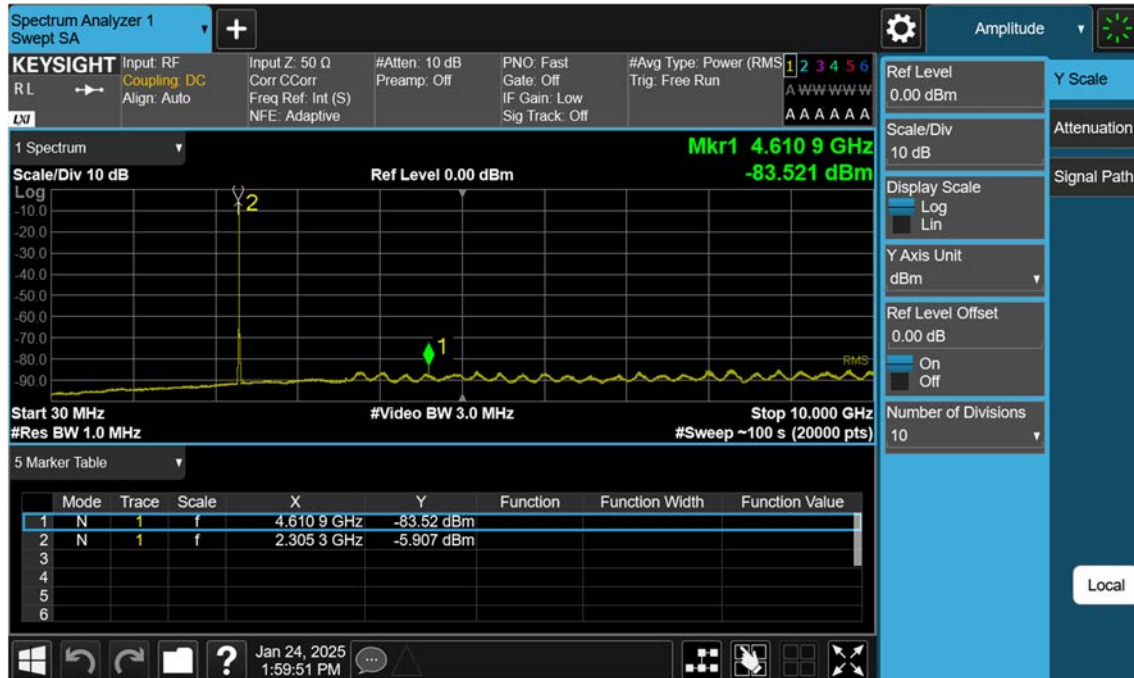
LTE B30_10 M_OBW_Low_64QAM_FullRB



LTE B30_10 M_OBW_Low_256QAM_FullRB



LTE B30_5 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



LTE B30_5 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



LTE B30_5 M_Conducted Spurious(30 M-10 G)_High_QPSK_1RB



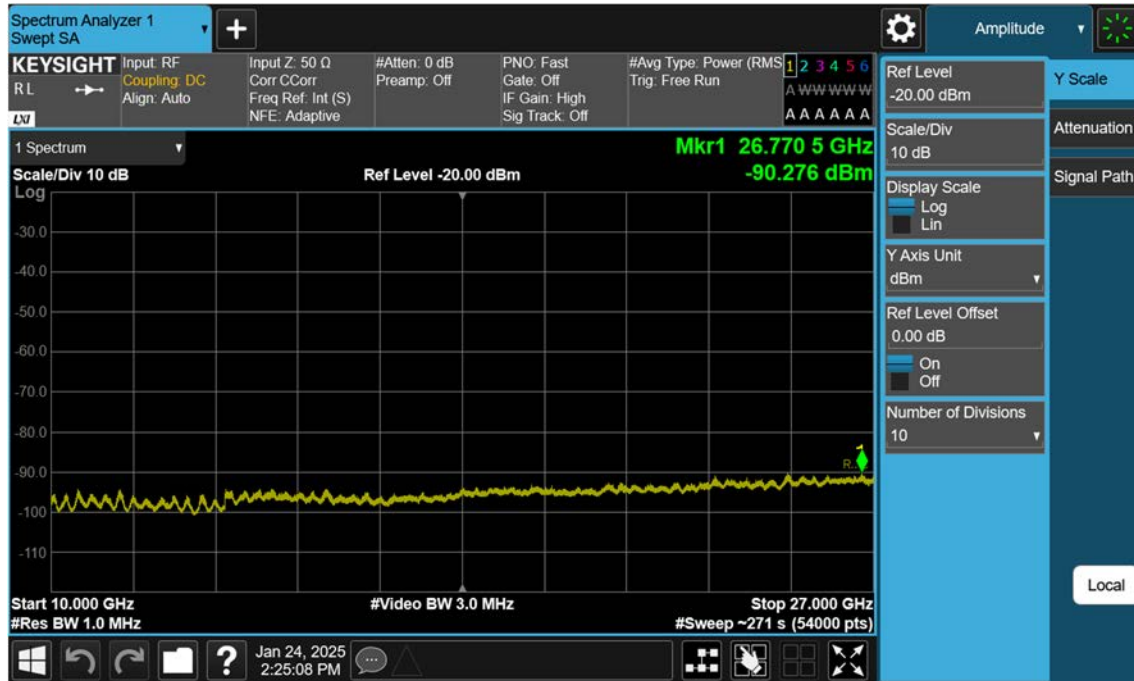
LTE B30_10 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



LTE B30_5 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



LTE B30_5 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



LTE B30_5 M_Conducted Spurious(Above10 G)_High_QPSK_1RB



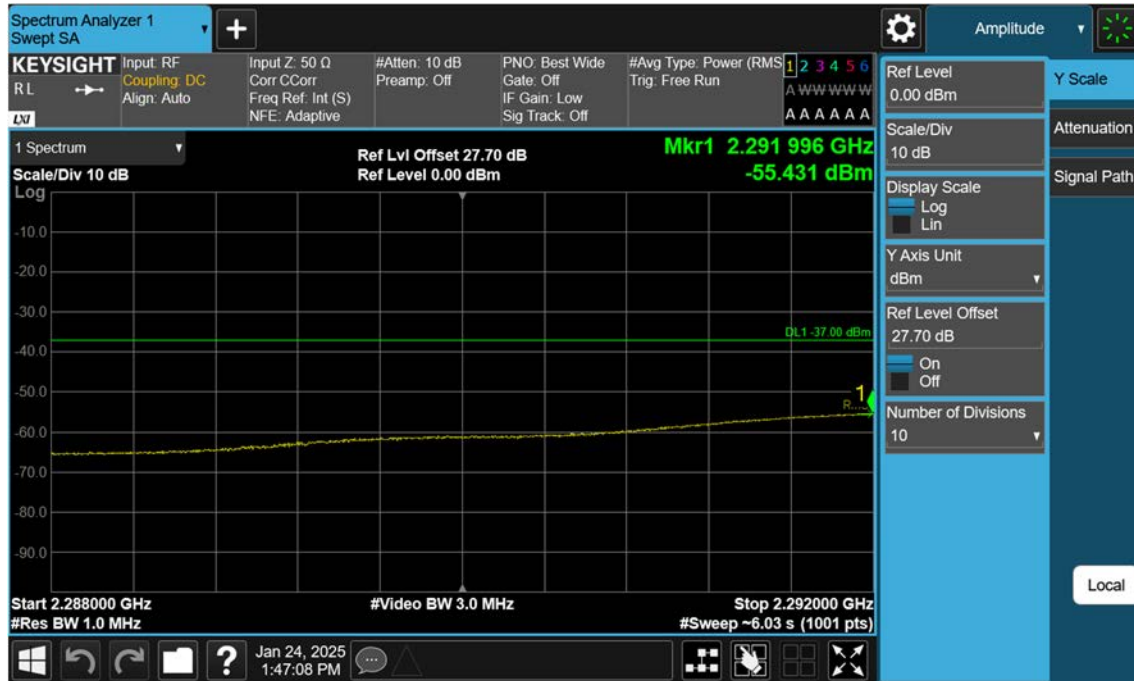
LTE B30_10 M_Conducted Spurious(Above10 G)_Low_QPSK_1RB



LTE B30_5 M_Band Edge(2280MHz-2288MHz)_Low_QPSK_FullRB



LTE B30_5 M_Band Edge(2288MHz-2292MHz)_Low_QPSK_FullRB



LTE B30_5 M_Band Edge(2292MHz-2296MHz)_Low_QPSK_FullRB



LTE B30_5 M_Band Edge(2296MHz-2300MHz)_Low_QPSK_FullIRB



LTE B30_5 M_Band Edge(2300MHz-2304MHz)_Low_QPSK_FullRB



Note : We used a narrower RBW in order to increase accuracy.

Calculation = Reading Value + 10 x log(1 MHz/100 kHz) dB = -45.183 dBm + 10 dB = -35.183 dBm

LTE B30_5 M_Band Edge(2304MHz-2305MHz)_Low_QPSK_FullRB



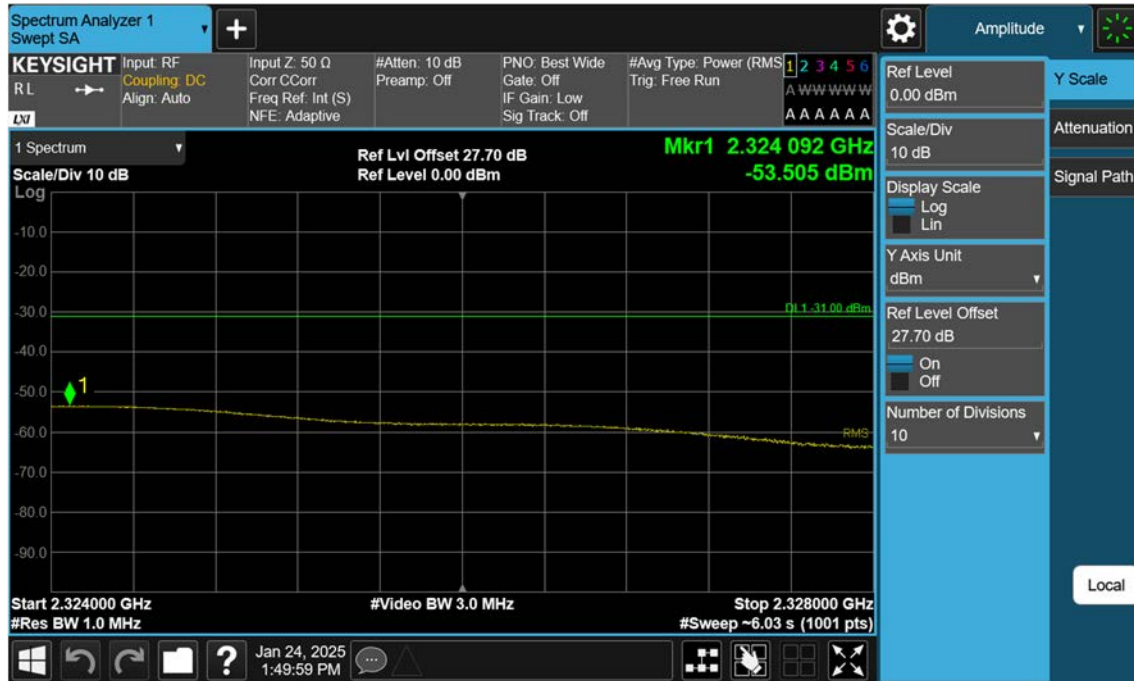
LTE B30_5 M_Band Edge(2315MHz-2320MHz)_Low_QPSK_FullIRB



LTE B30_5 M_Band Edge(2320MHz-2324MHz)_Low_QPSK_FullIRB



LTE B30_5 M_Band Edge(2324MHz-2328MHz)_Low_QPSK_FullIRB



LTE B30_5 M_Band Edge(2328MHz-2337MHz)_Low_QPSK_FullRB



LTE B30_5 M_Band Edge(2337MHz-2341MHz)_Low_QPSK_FullRB



LTE B30_5 M_Band Edge(2341MHz-2345MHz)_Low_QPSK_FullIRB



LTE B30_5 M_Band Edge(2345MHz-2365MHz)_Low_QPSK_FullIRB



LTE B30_5 M_Band Edge(2365MHz-2400MHz)_Low_QPSK_FullRB



LTE B30_5 M_Band Edge(2280MHz-2288MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2288MHz-2292MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2292MHz-2296MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2296MHz-2300MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2300MHz-2305MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2315MHz-2320MHz)_Mid_QPSK_FullIRB



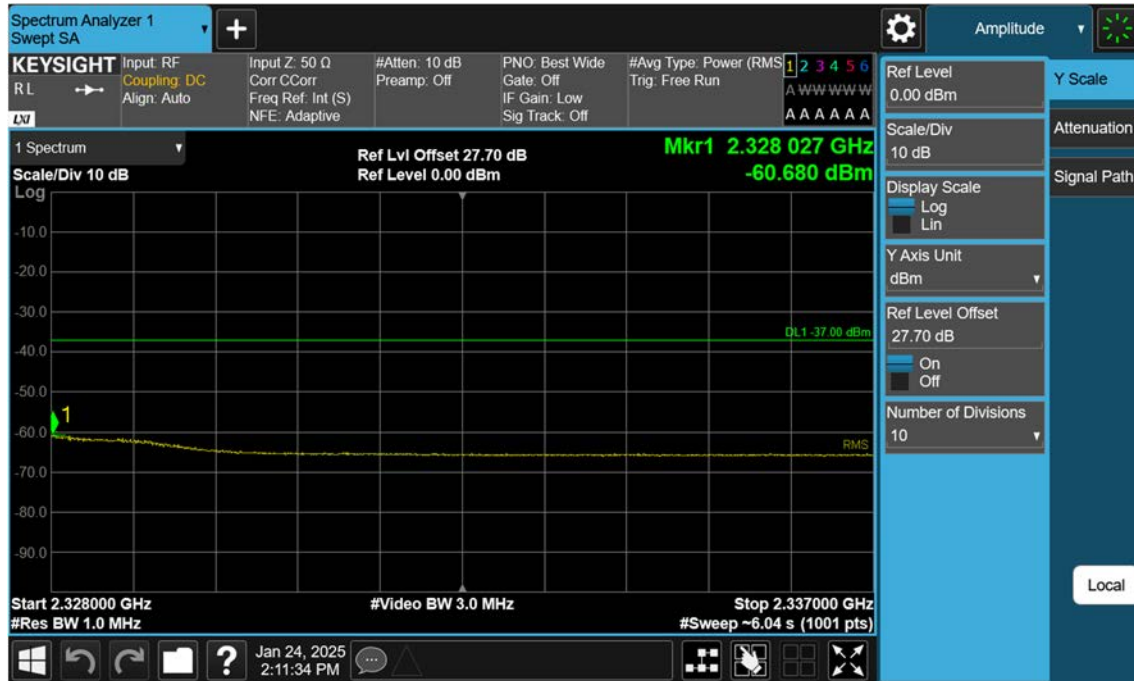
LTE B30_5 M_Band Edge(2320MHz-2324MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2324MHz-2328MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2328MHz-2337MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2337MHz-2341MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2341MHz-2345MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2345MHz-2365MHz)_Mid_QPSK_FullIRB



LTE B30_5 M_Band Edge(2365MHz-2400MHz)_Mid_QPSK_FullIRB



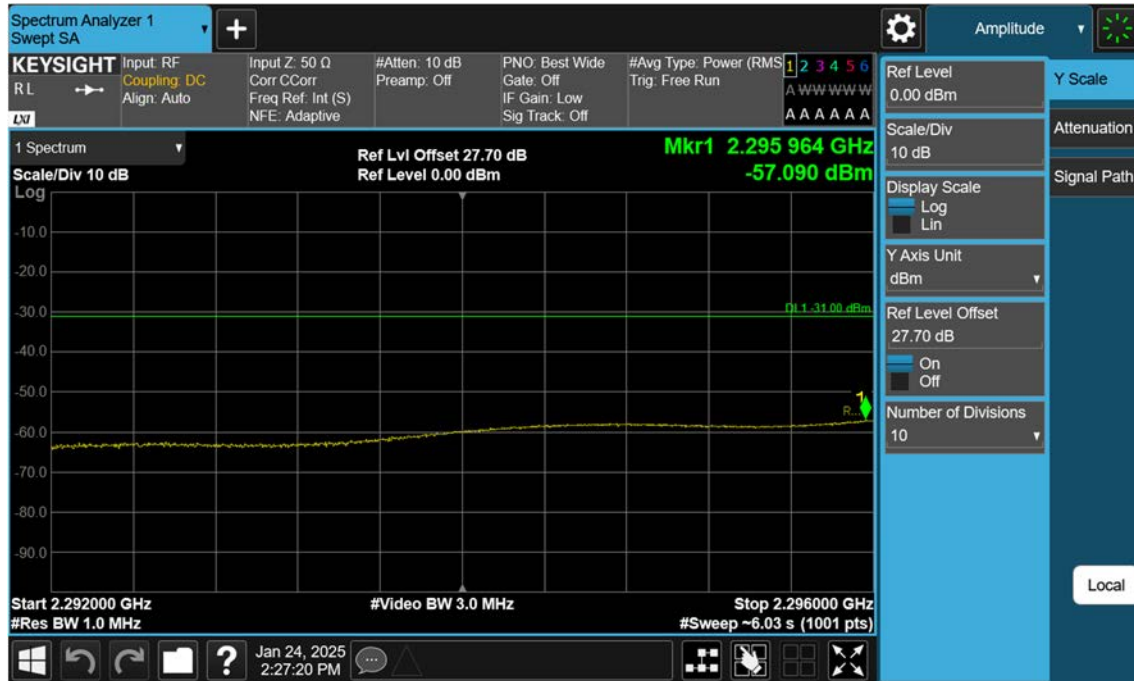
LTE B30_5 M_Band Edge(2280MHz-2288MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2288MHz-2292MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2292MHz-2296MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2296MHz-2300MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2300MHz-2305MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2315MHz-2316MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2316MHz-2320MHz)_High_QPSK_FullRB



Note : We used a narrower RBW in order to increase accuracy.

Calculation = Reading Value + 10 x log(1 MHz/100 kHz) dB = -45.177 dBm + 10 dB = -35.177 dBm

LTE B30_5 M_Band Edge(2320MHz-2324MHz)_High_QPSK_FullRB



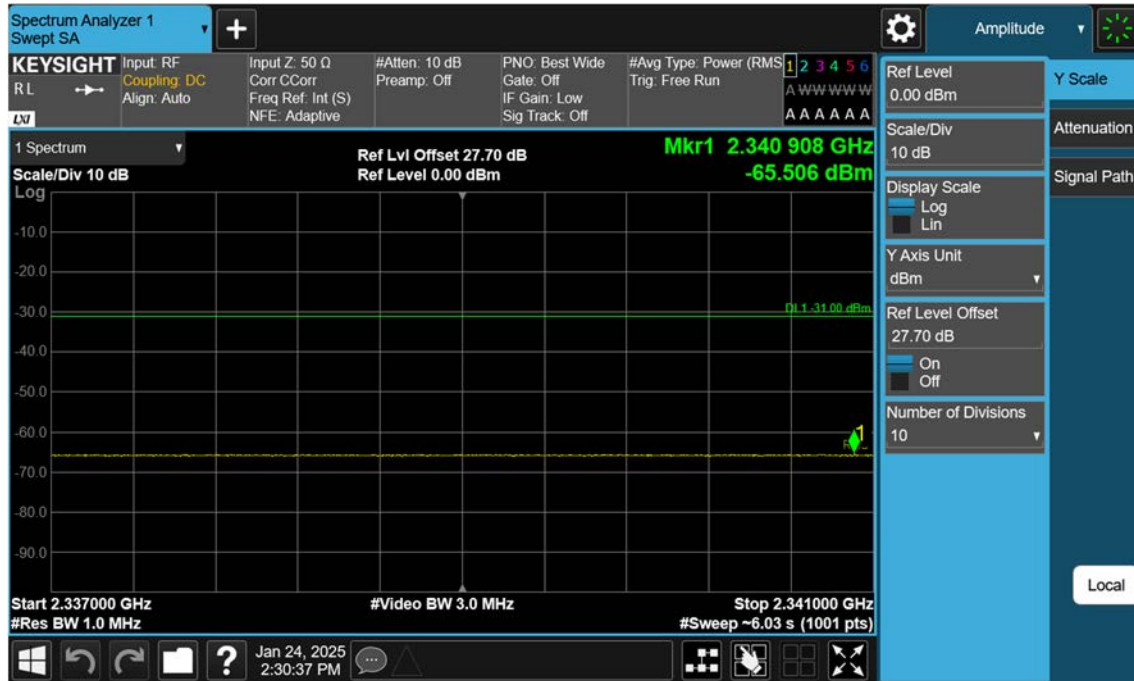
LTE B30_5 M_Band Edge(2324MHz-2328MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2328MHz-2337MHz)_High_QPSK_FullRB

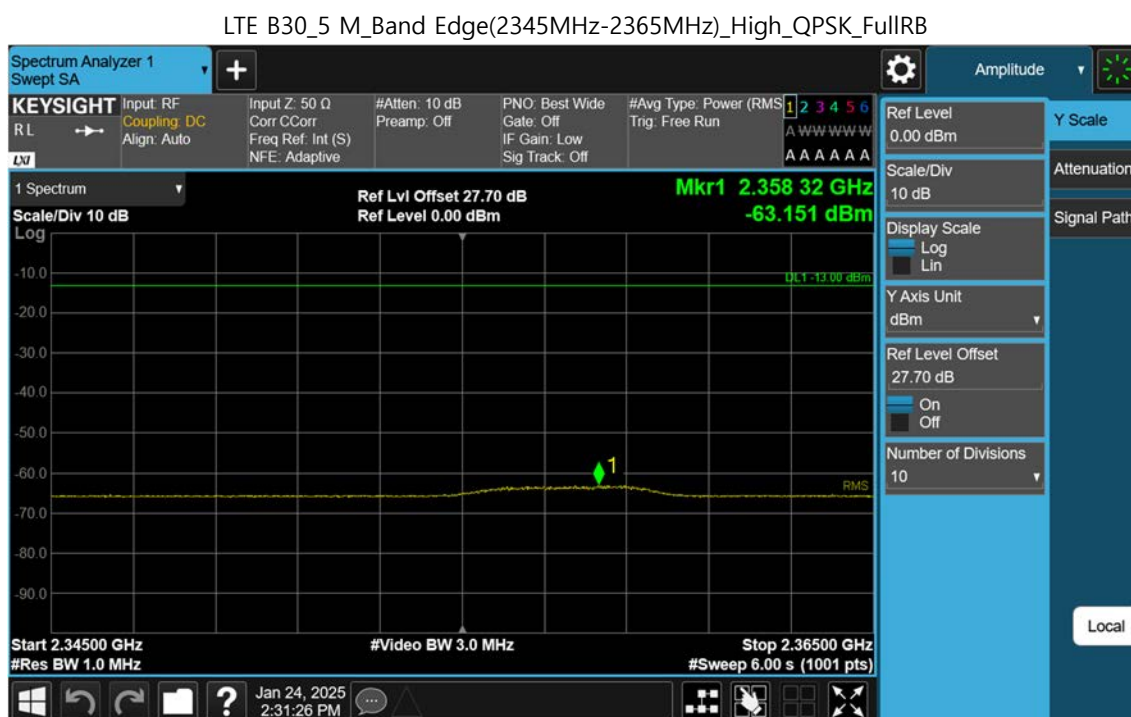


LTE B30_5 M_Band Edge(2337MHz-2341MHz)_High_QPSK_FullRB



LTE B30_5 M_Band Edge(2341MHz-2345MHz)_High_QPSK_FullRB





LTE B30_5 M_Band Edge(2365MHz-2400MHz)_High_QPSK_FullRB



LTE B30_10 M_Band Edge(2280MHz-2288MHz)_Low_QPSK_FullRB



LTE B30_10 M_Band Edge(2288MHz-2292MHz)_Low_QPSK_FullRB



LTE B30_10 M_Band Edge(2292MHz-2296MHz)_Low_QPSK_FullRB

