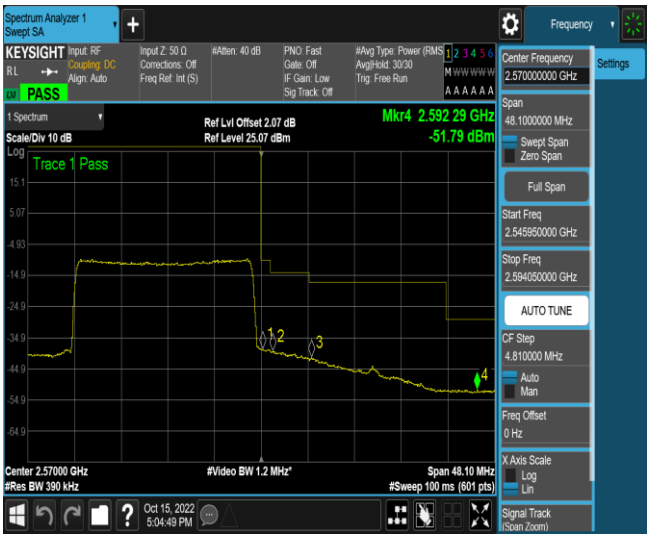

Spectrum Analyzer 1
Swept SA
Frequency
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 40 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 30/30
Trig: Free Run
PASS
Center Frequency
2.570000000 GHz
Settings
Span
48.1000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.545950000 GHz
Stop Freq
2.594050000 GHz
AUTO TUNE
CF Step
4.810000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 2.07 dB
Ref Level 25.07 dBm
Mkr4 2.592 29 GHz
-51.79 dBm
Trace 1 Pass
15.1
5.07
-4.93
-14.9
-24.9
-34.9
-44.9
-54.9
-64.9
Center 2.57000 GHz
#Res BW 390 kHz
#Video BW 1.2 MHz*
Span 48.10 MHz
#Sweep 100 ms (601 pts)
Oct 15, 2022
5:04:49 PM

Appendix E: Conducted Spurious Emission

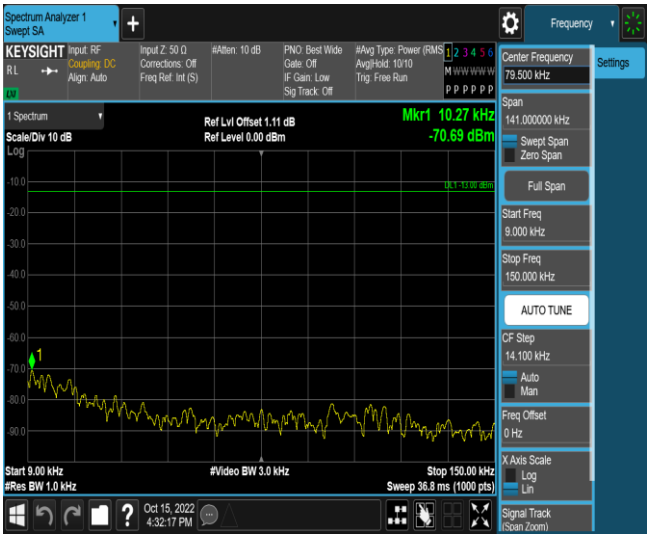
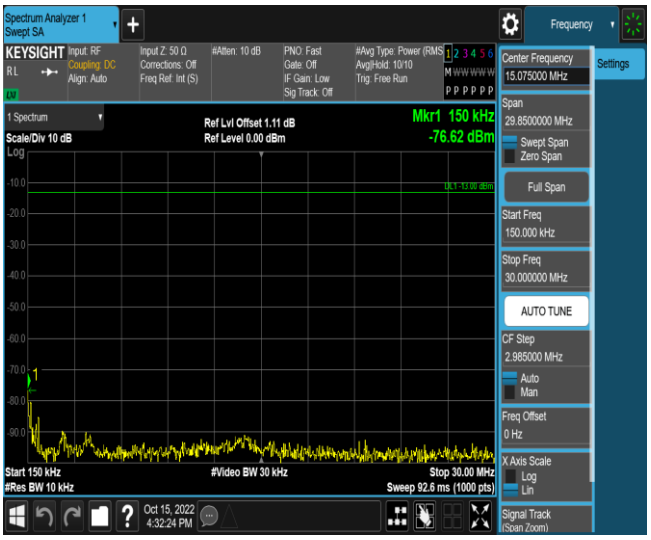
Test Result

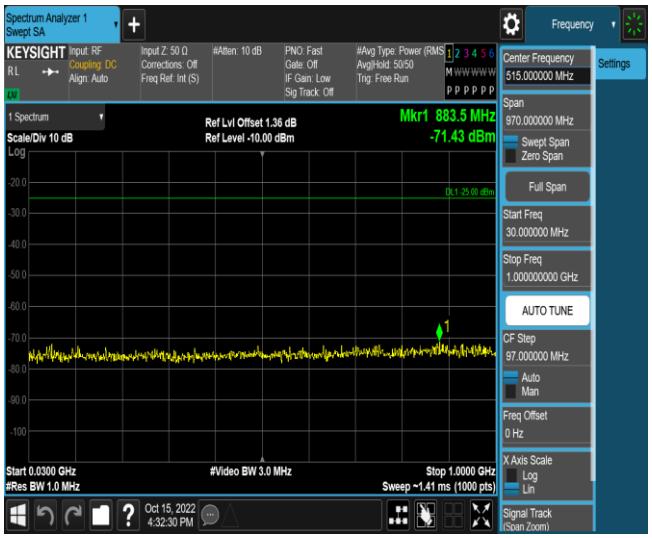
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:0.15~30MHz	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range3:30~1000MHz	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range4:1000~3000MHz	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range5:3000~26500MHz	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:0.15~30MHz	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range3:30~1000MHz	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range4:1000~3000MHz	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range5:3000~26500MHz	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:0.15~30MHz	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range3:30~1000MHz	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range4:1000~3000MHz	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range5:3000~26500MHz	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:0.15~30MHz	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range3:30~1000MHz	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range4:1000~3000MHz	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range5:3000~26500MHz	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:0.15~30MHz	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range3:30~1000MHz	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range4:1000~3000MHz	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range5:3000~26500MHz	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	PASS

Band7	10MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:0.15~30MHz	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range3:30~1000MHz	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range4:1000~3000MHz	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range5:3000~26500MHz	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:0.15~30MHz	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range3:30~1000MHz	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range4:1000~3000MHz	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range5:3000~26500MHz	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:0.15~30MHz	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range3:30~1000MHz	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range4:1000~3000MHz	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range5:3000~26500MHz	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:0.15~30MHz	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range3:30~1000MHz	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range4:1000~3000MHz	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range5:3000~26500MHz	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:0.15~30MHz	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range3:30~1000MHz	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range4:1000~3000MHz	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range5:3000~26500MHz	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:0.15~30MHz	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range3:30~1000MHz	PASS

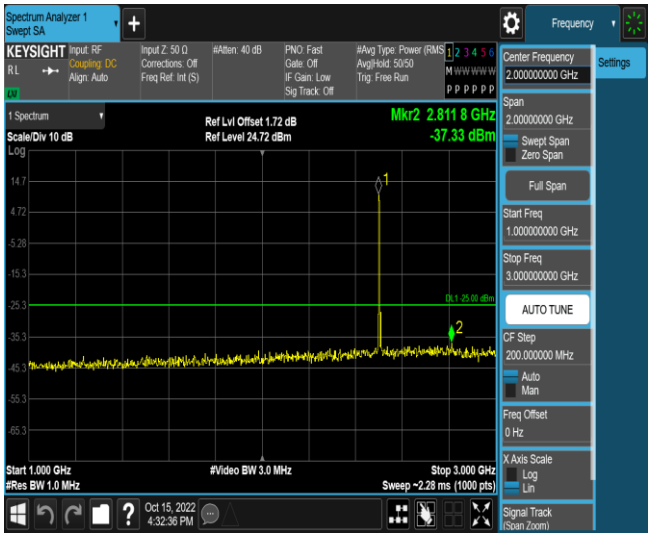
Band7	15MHz	16QAM	20825	1RB#0	Range4:1000~3000MHz	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range5:3000~26500MHz	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:0.15~30MHz	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range3:30~1000MHz	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range4:1000~3000MHz	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range5:3000~26500MHz	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:0.15~30MHz	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range3:30~1000MHz	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range4:1000~3000MHz	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range5:3000~26500MHz	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:0.15~30MHz	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range3:30~1000MHz	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range4:1000~3000MHz	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range5:3000~26500MHz	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:0.15~30MHz	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range3:30~1000MHz	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range4:1000~3000MHz	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range5:3000~26500MHz	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range4:1000~3000MHz	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range5:3000~26500MHz	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:0.009~0.15MHz	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:0.15~30MHz	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range3:30~1000MHz	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range4:1000~3000MHz	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range5:3000~26500MHz	PASS

Test Graphs

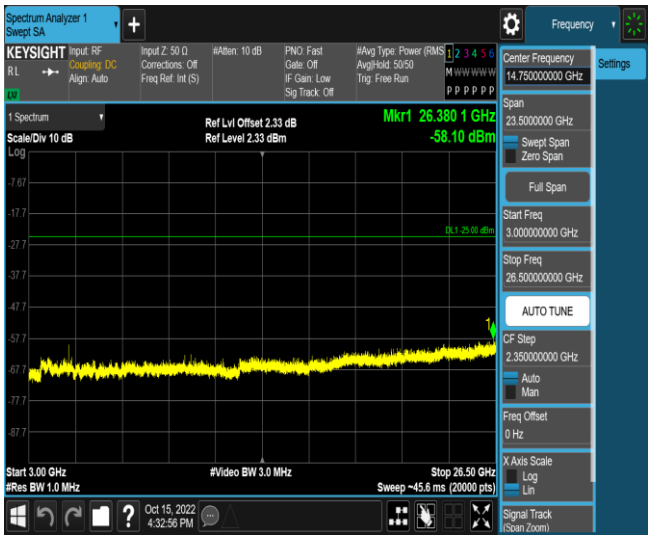
Band7-5MHz-QPSK-20775-1RB#0-Range1:0.009~0.15MHz

Band7-5MHz-QPSK-20775-1RB#0-Range2:0.15~30MHz

Band7-5MHz-QPSK-20775-1RB#0-Range3:30~1000MHz



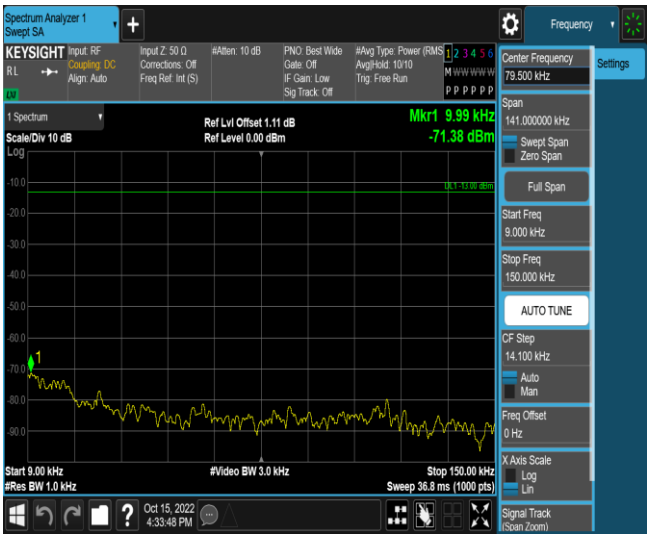
Band7-5MHz-QPSK-20775-1RB#0-Range4:1000~3000MHz



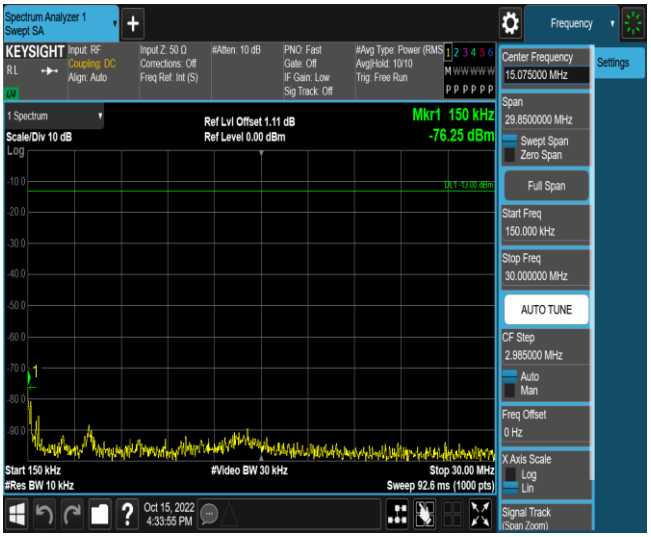
Band7-5MHz-QPSK-20775-1RB#0-Range5:3000~26500MHz



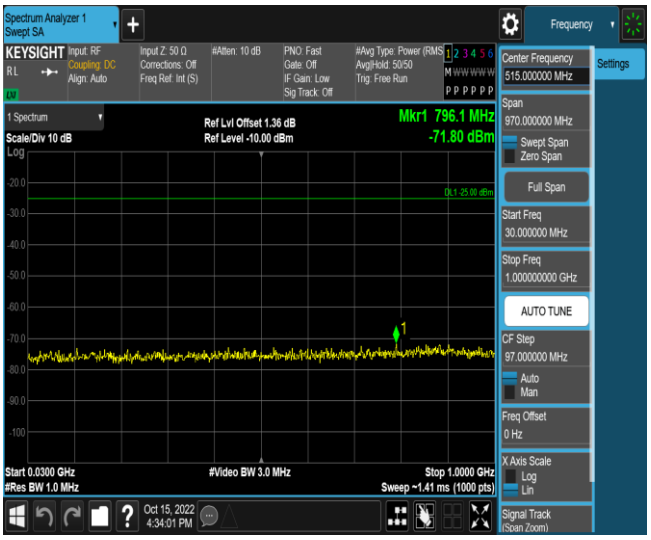
Band7-5MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



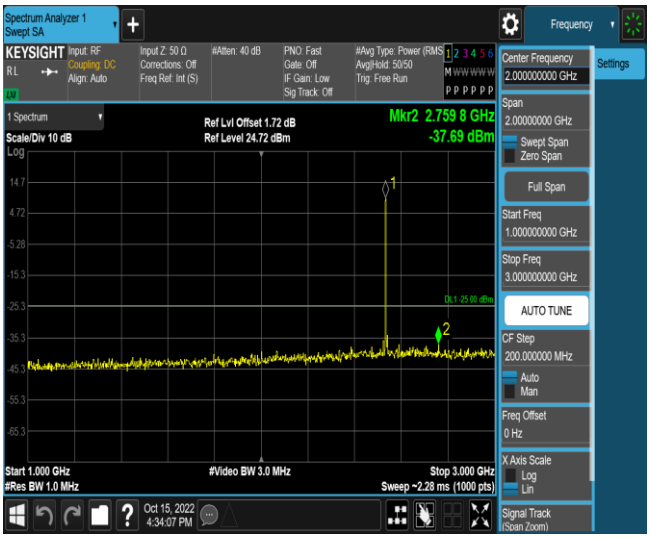
Band7-5MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



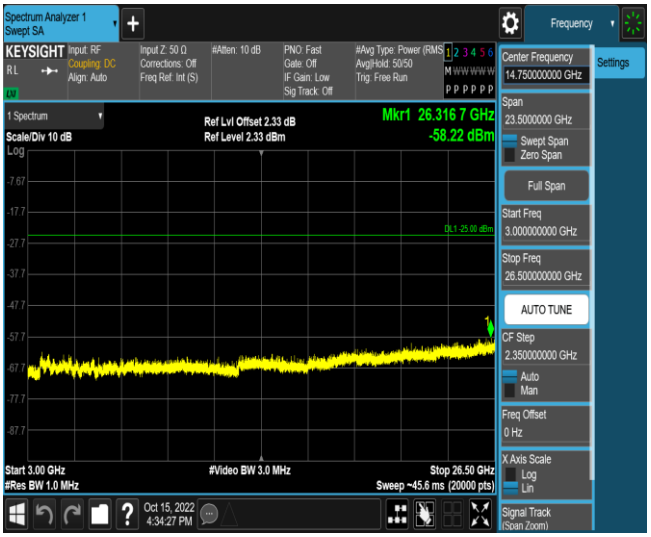
Band7-5MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



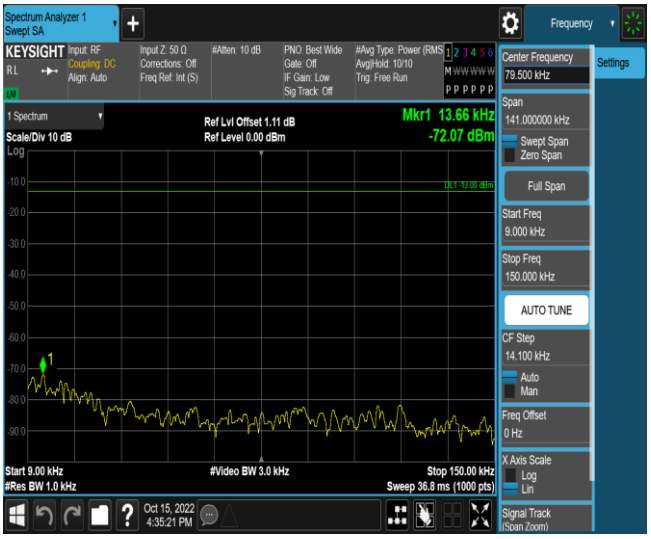
Band7-5MHz-QPSK-21100-1RB#0-Range4:1000~3000MHz



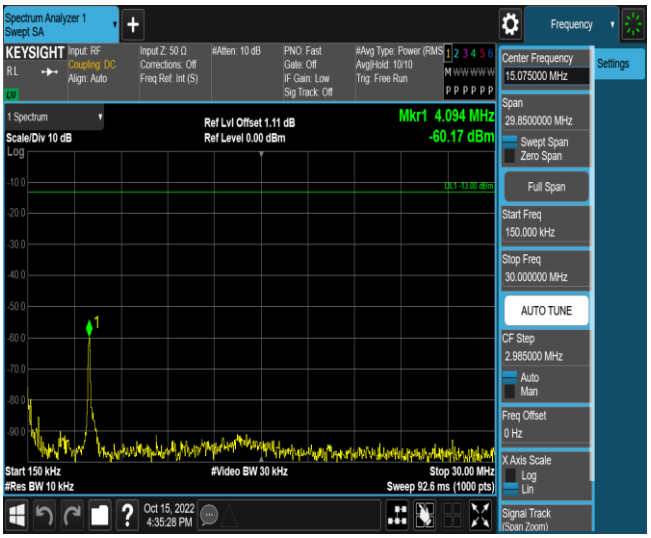
Band7-5MHz-QPSK-21100-1RB#0-Range5:3000~26500MHz



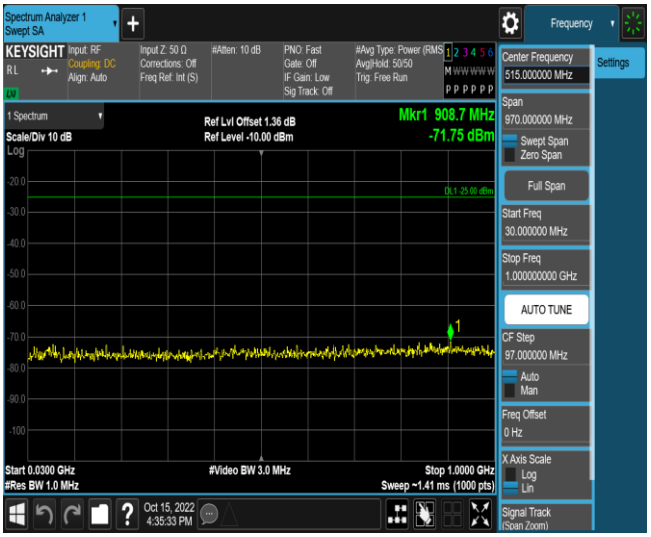
Band7-5MHz-QPSK-21425-1RB#0-Range1:0.009~0.15MHz



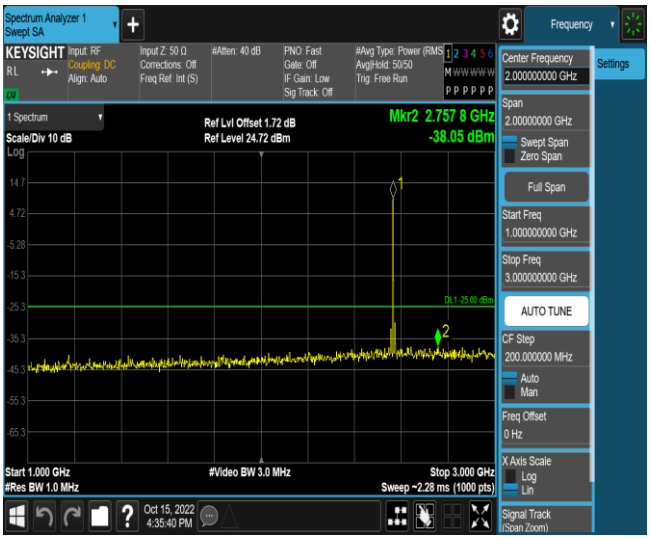
Band7-5MHz-QPSK-21425-1RB#0-Range2:0.15~30MHz



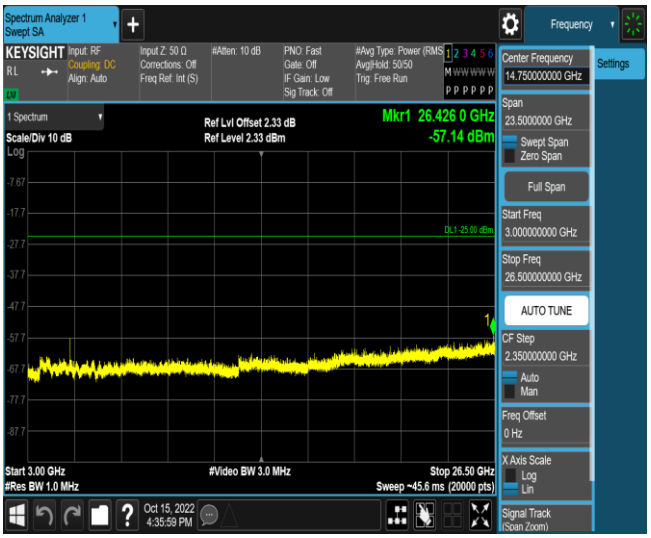
Band7-5MHz-QPSK-21425-1RB#0-Range3:30~1000MHz



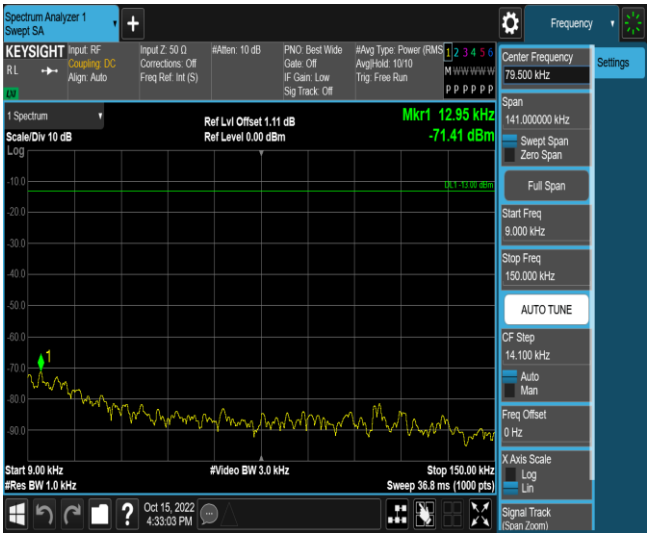
Band7-5MHz-QPSK-21425-1RB#0-Range4:1000~3000MHz



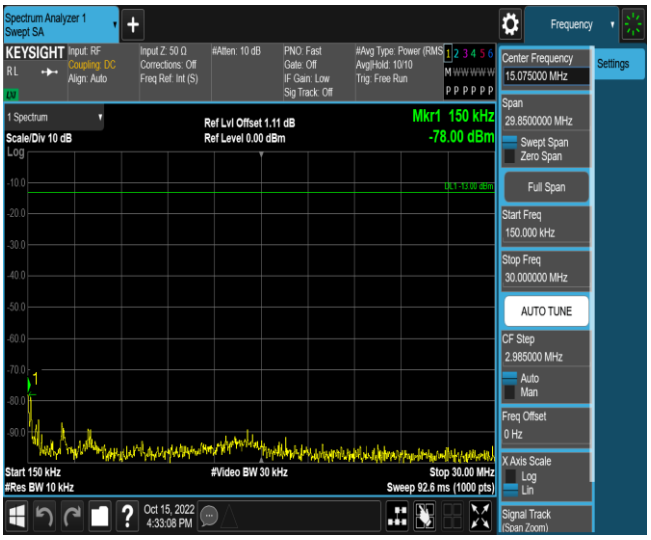
Band7-5MHz-QPSK-21425-1RB#0-Range5:3000~26500MHz



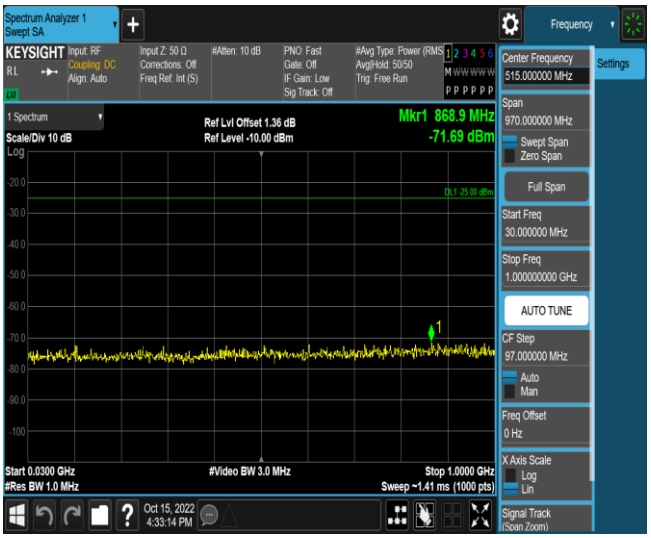
Band7-5MHz-16QAM-20775-1RB#0-Range1:0.009~0.15MHz



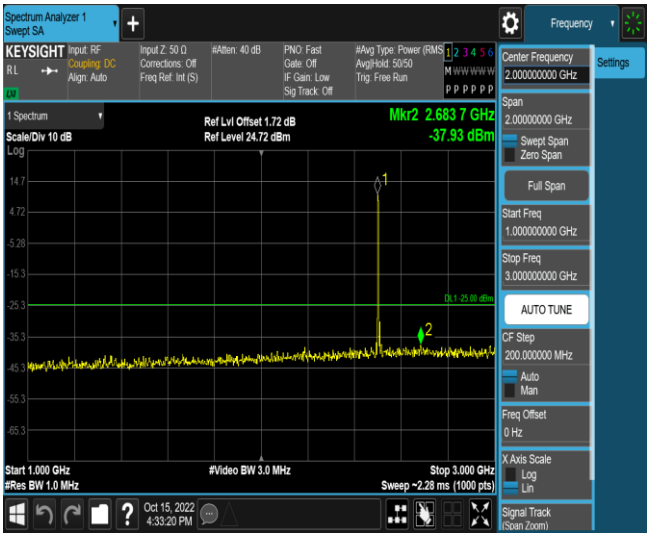
Band7-5MHz-16QAM-20775-1RB#0-Range2:0.15~30MHz



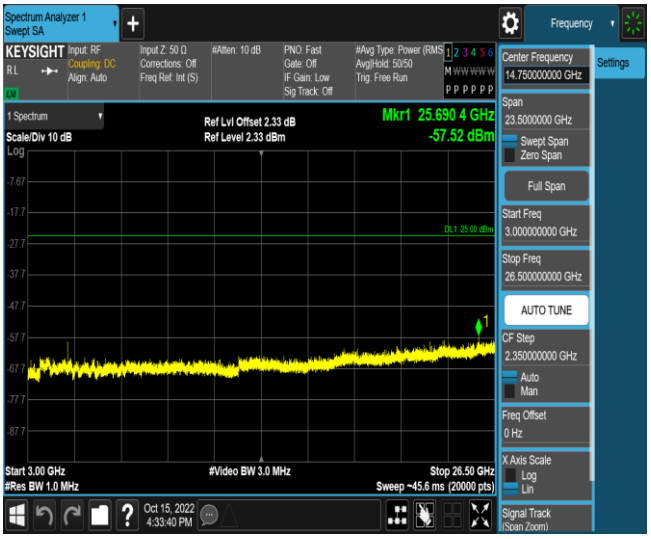
Band7-5MHz-16QAM-20775-1RB#0-Range3:30~1000MHz



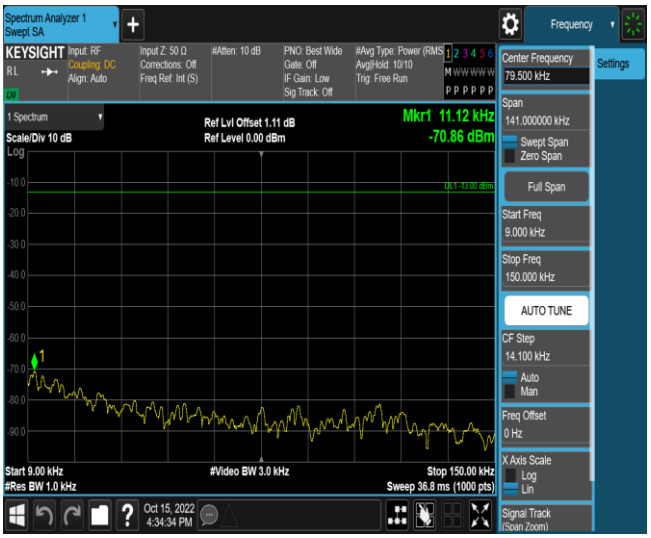
Band7-5MHz-16QAM-20775-1RB#0-Range4:1000~3000MHz



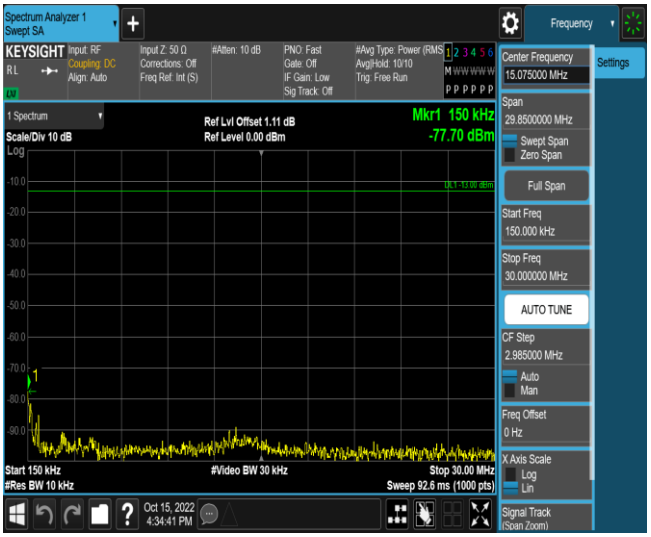
Band7-5MHz-16QAM-20775-1RB#0-Range5:3000~26500MHz



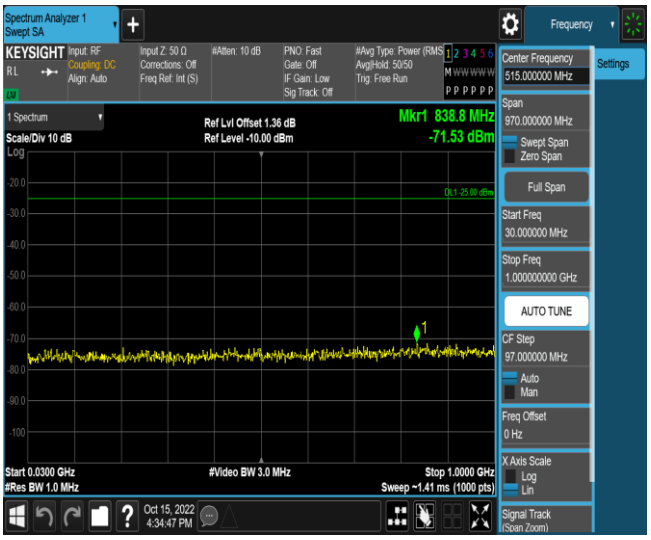
Band7-5MHz-16QAM-21100-1RB#0-Range1:0.009~0.15MHz



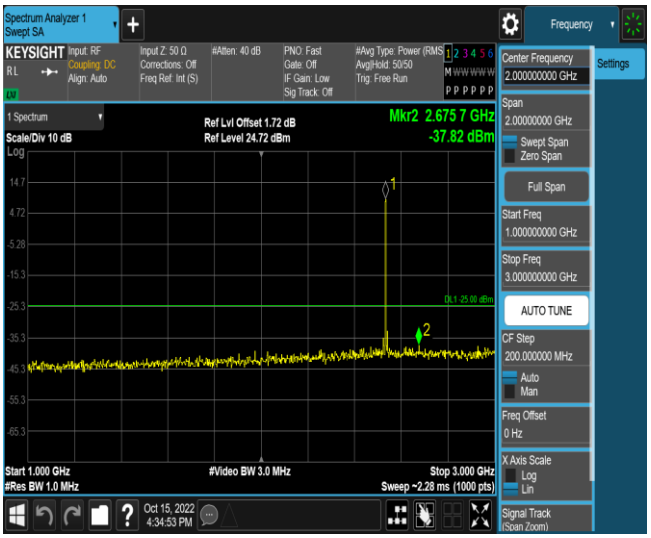
Band7-5MHz-16QAM-21100-1RB#0-Range2:0.15~30MHz



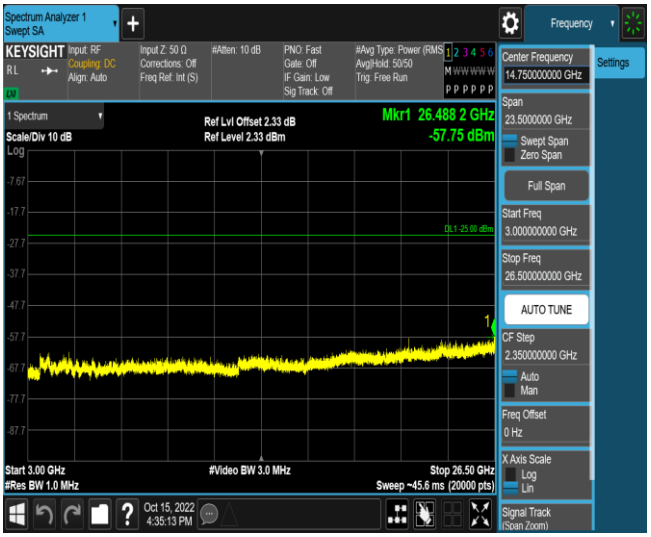
Band7-5MHz-16QAM-21100-1RB#0-Range3:30~1000MHz



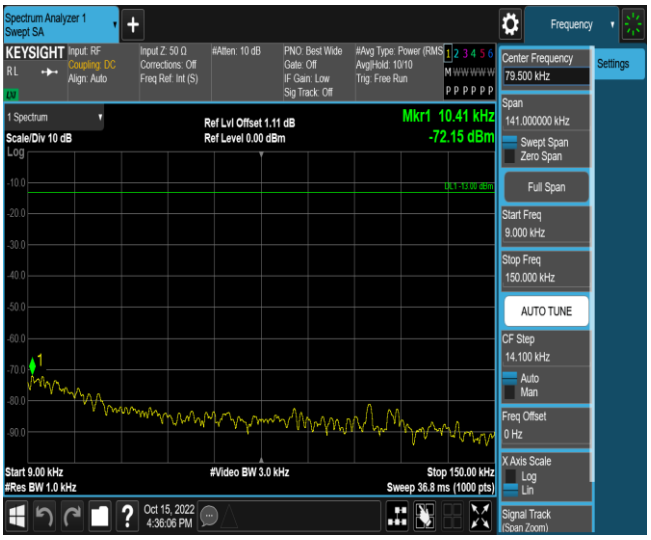
Band7-5MHz-16QAM-21100-1RB#0-Range4:1000~3000MHz



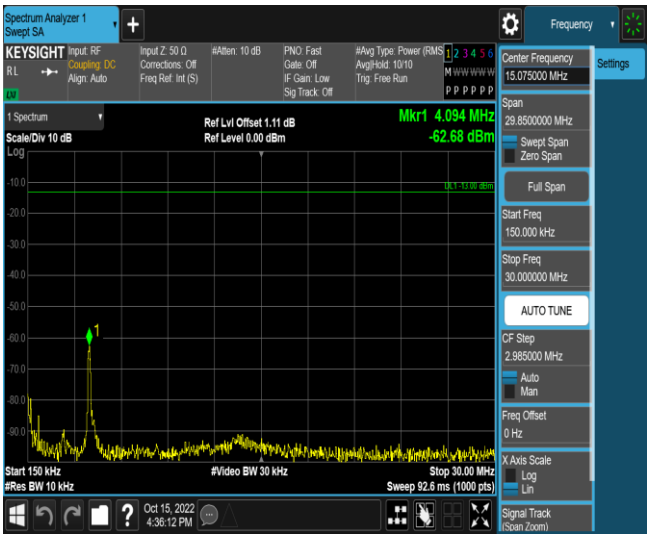
Band7-5MHz-16QAM-21100-1RB#0-Range5:3000~26500MHz



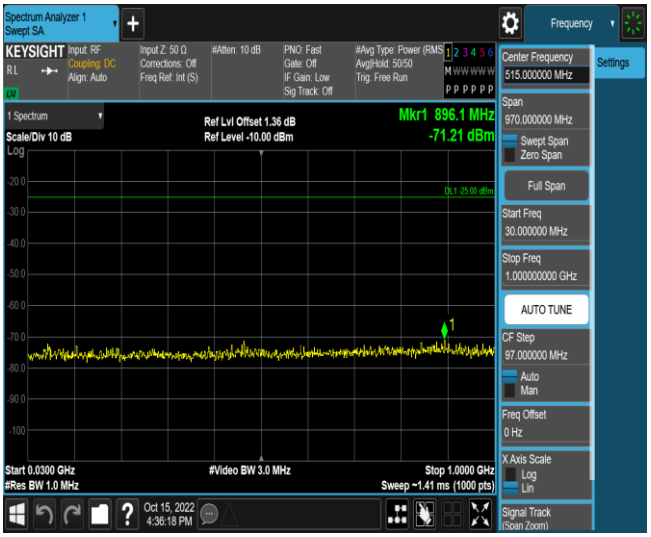
Band7-5MHz-16QAM-21425-1RB#0-Range1:0.009~0.15MHz



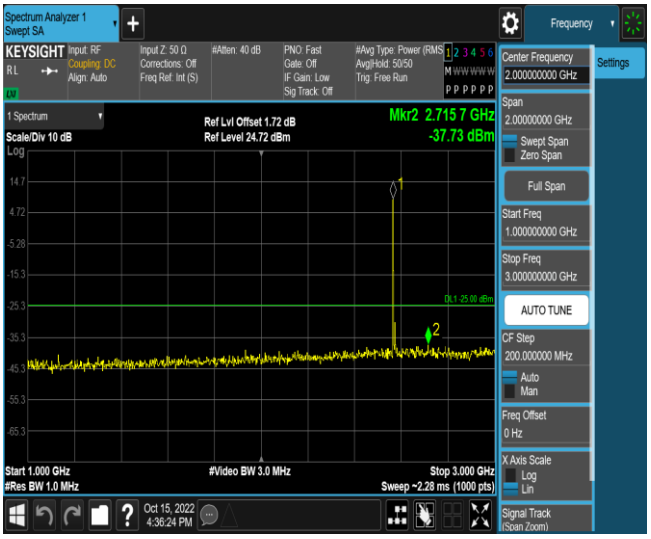
Band7-5MHz-16QAM-21425-1RB#0-Range2:0.15~30MHz



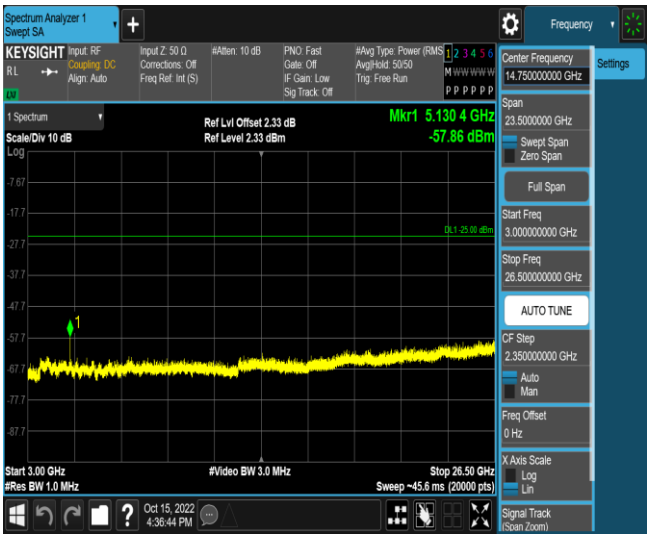
Band7-5MHz-16QAM-21425-1RB#0-Range3:30~1000MHz



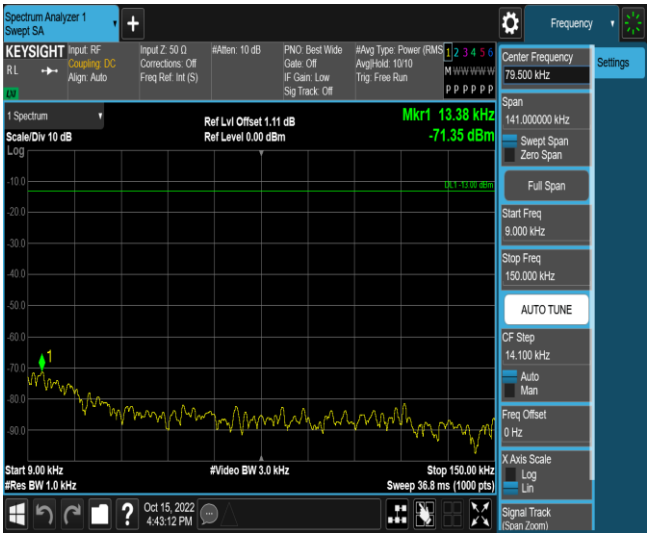
Band7-5MHz-16QAM-21425-1RB#0-Range4:1000~3000MHz



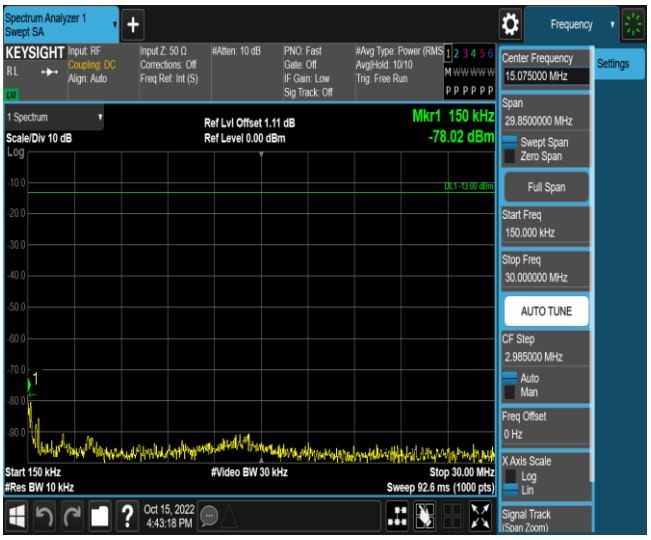
Band7-5MHz-16QAM-21425-1RB#0-Range5:3000~26500MHz



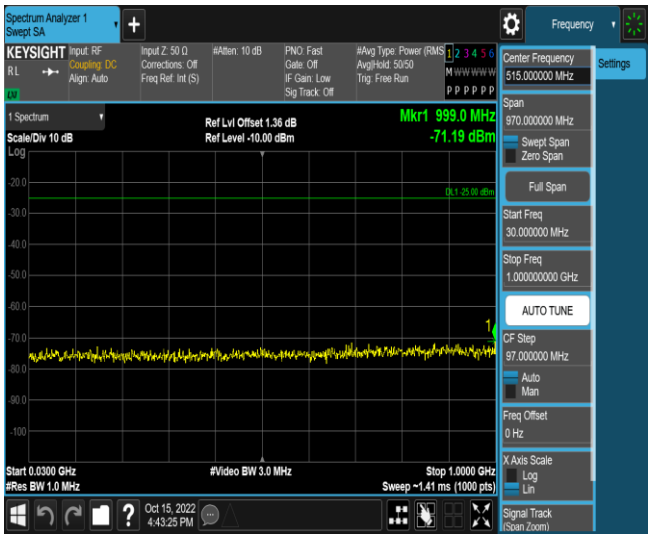
Band7-10MHz-QPSK-20800-1RB#0-Range1:0.009~0.15MHz



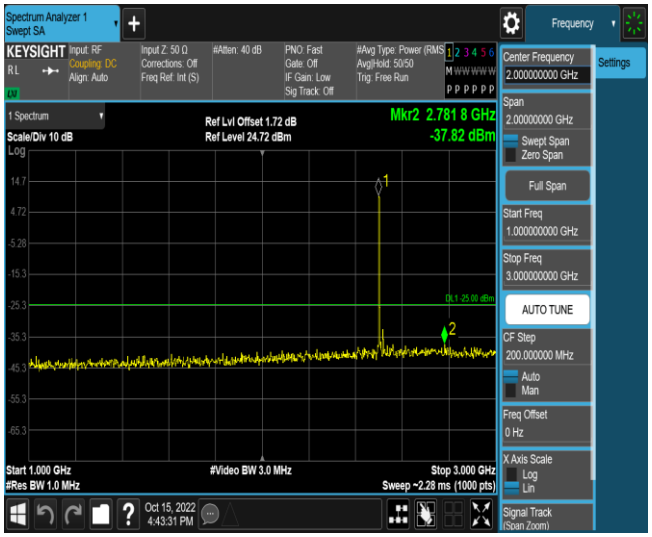
Band7-10MHz-QPSK-20800-1RB#0-Range2:0.15~30MHz



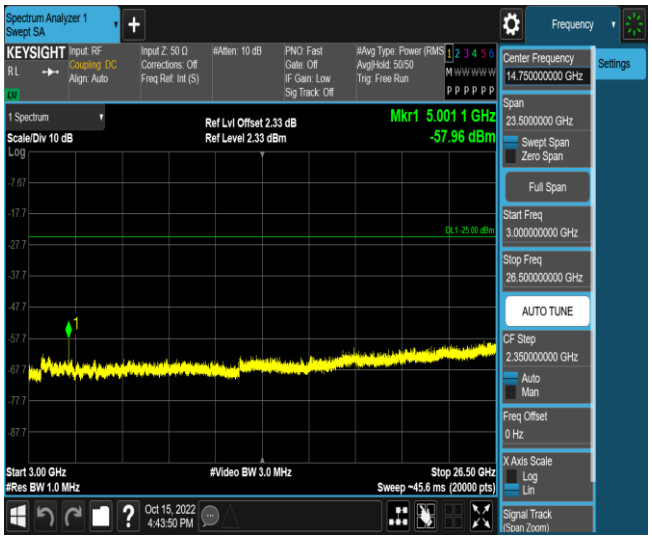
Band7-10MHz-QPSK-20800-1RB#0-Range3:30~1000MHz



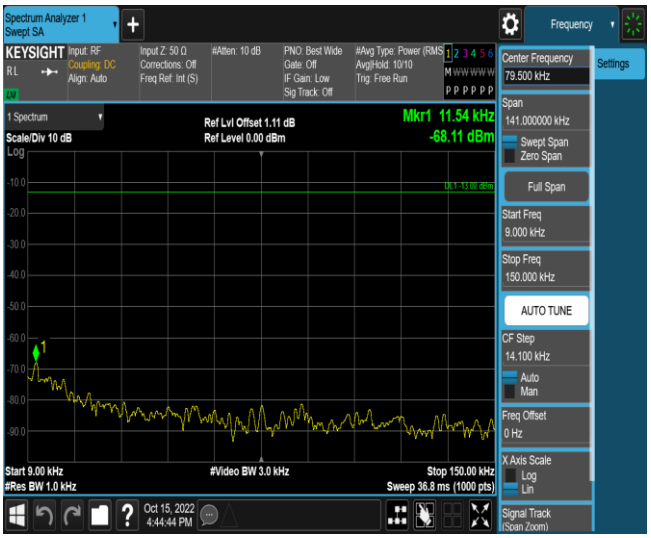
Band7-10MHz-QPSK-20800-1RB#0-Range4:1000~3000MHz



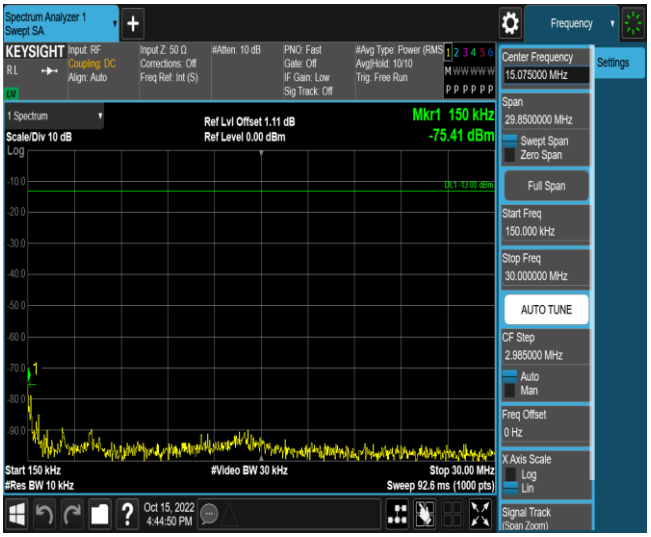
Band7-10MHz-QPSK-20800-1RB#0-Range5:3000~26500MHz



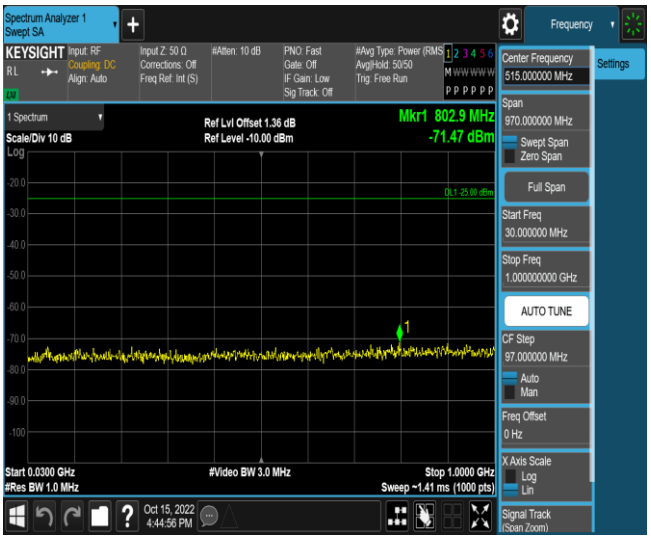
Band7-10MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



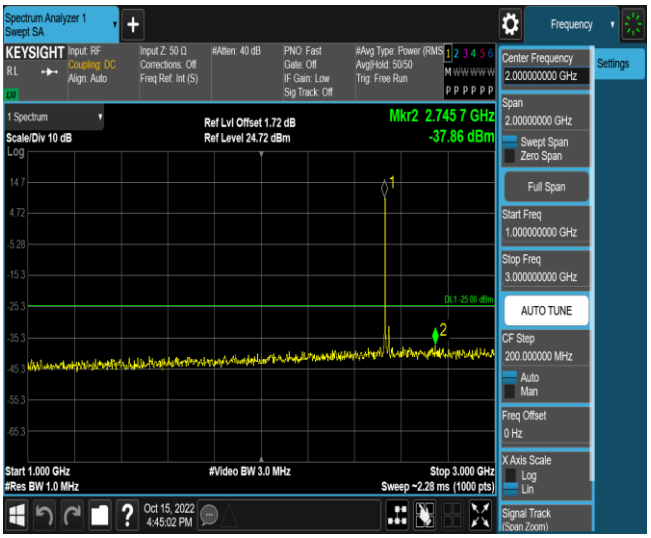
Band7-10MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



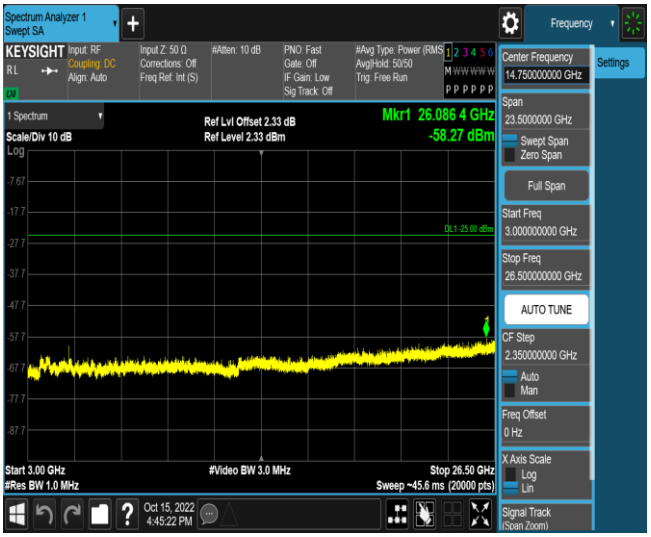
Band7-10MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



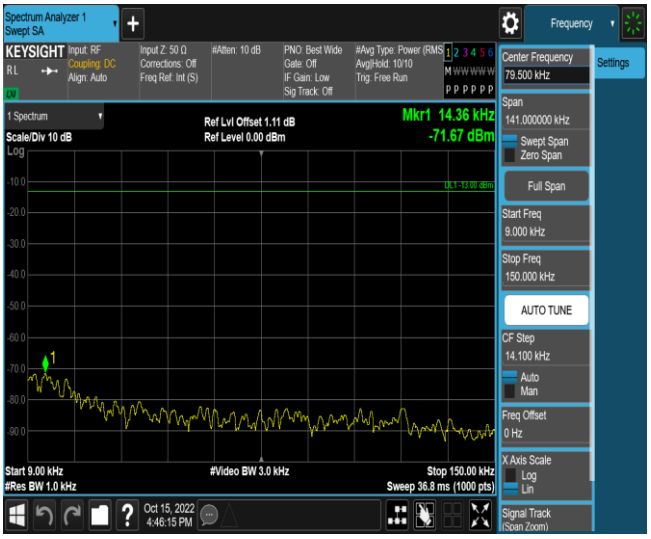
Band7-10MHz-QPSK-21100-1RB#0-Range4:1000~3000MHz



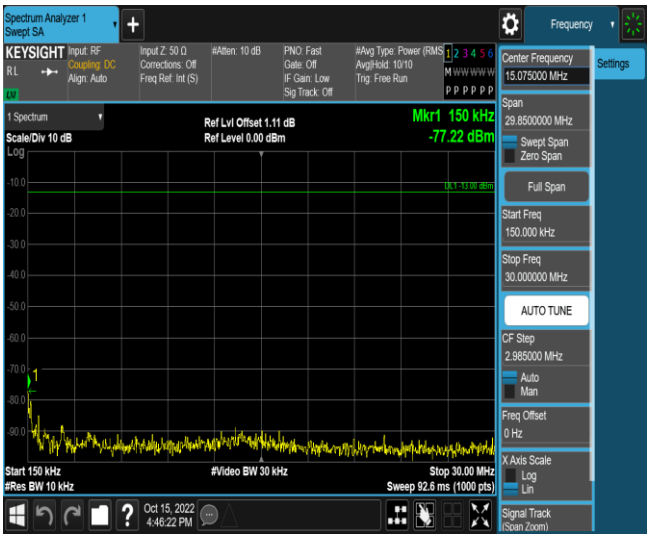
Band7-10MHz-QPSK-21100-1RB#0-Range5:3000~26500MHz



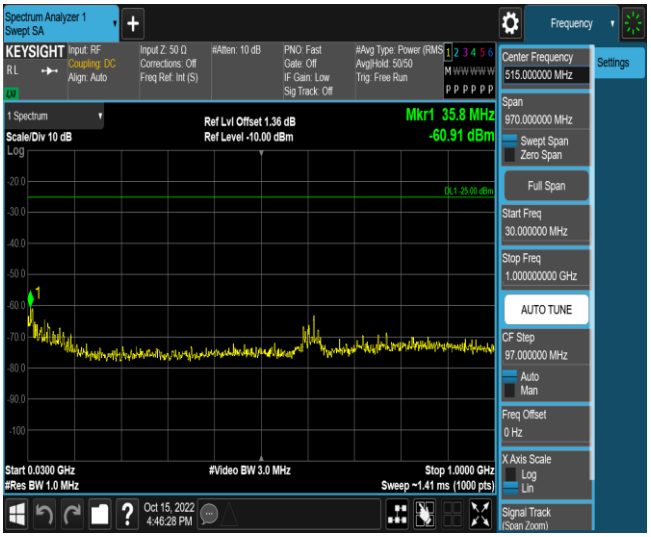
Band7-10MHz-QPSK-21400-1RB#0-Range1:0.009~0.15MHz



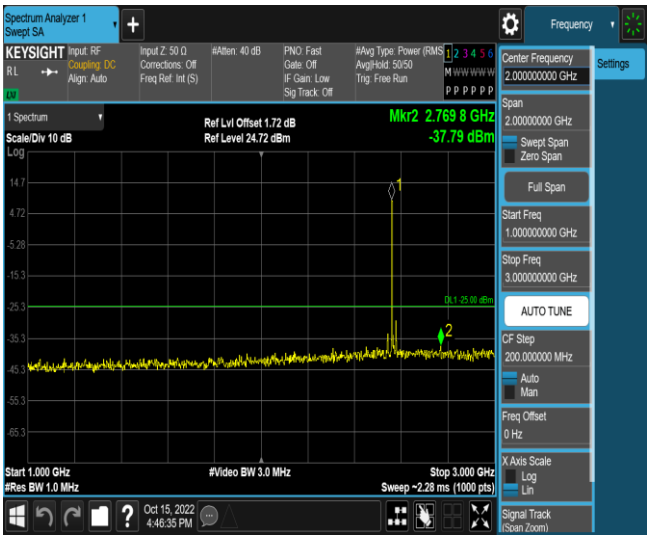
Band7-10MHz-QPSK-21400-1RB#0-Range2:0.15~30MHz



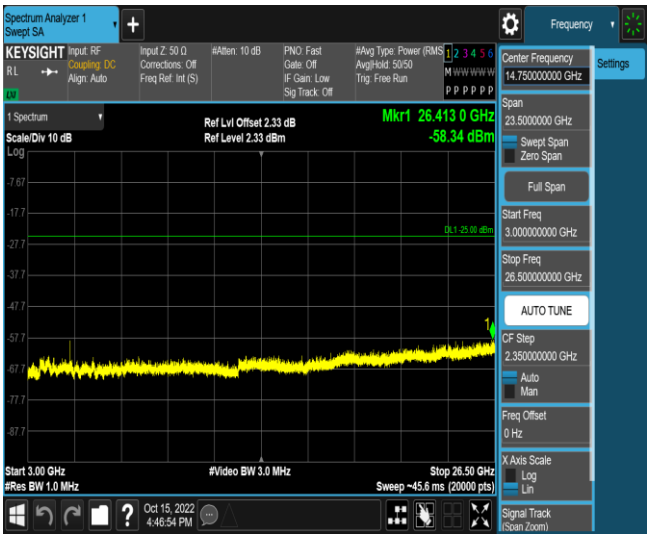
Band7-10MHz-QPSK-21400-1RB#0-Range3:30~1000MHz



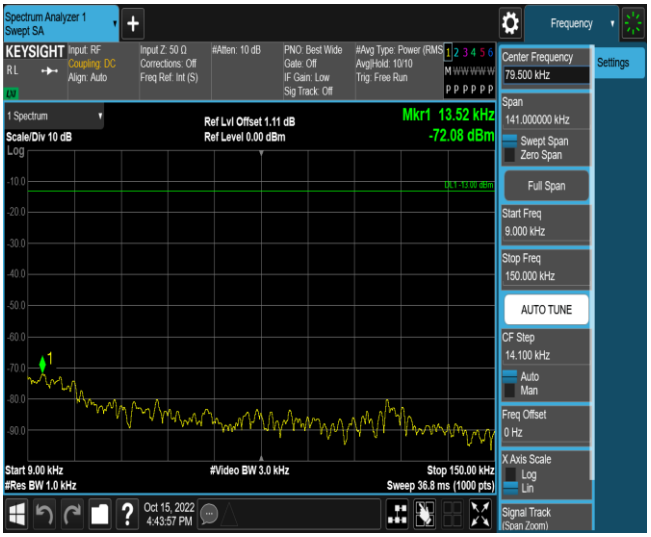
Band7-10MHz-QPSK-21400-1RB#0-Range4:1000~3000MHz



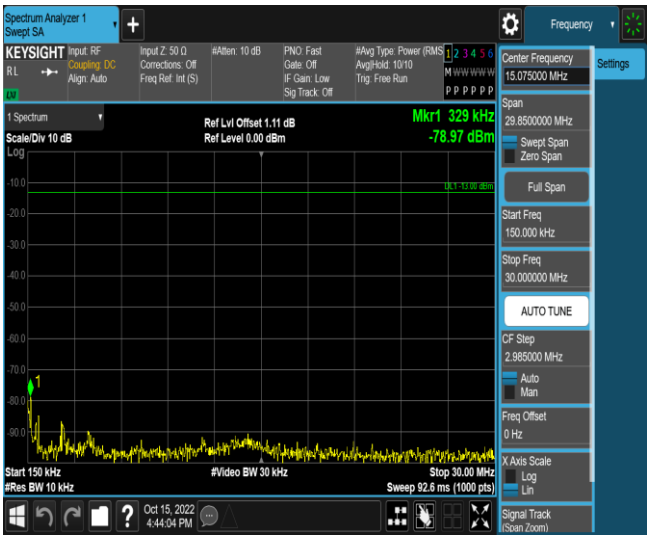
Band7-10MHz-QPSK-21400-1RB#0-Range5:3000~26500MHz



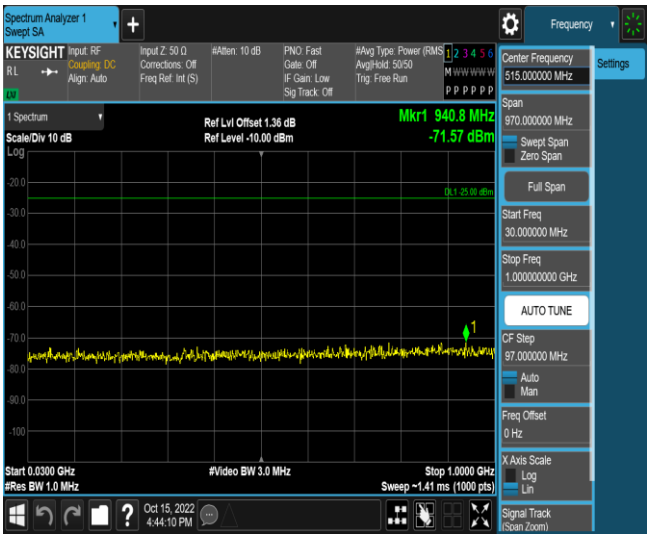
Band7-10MHz-16QAM-20800-1RB#0-Range1:0.009~0.15MHz



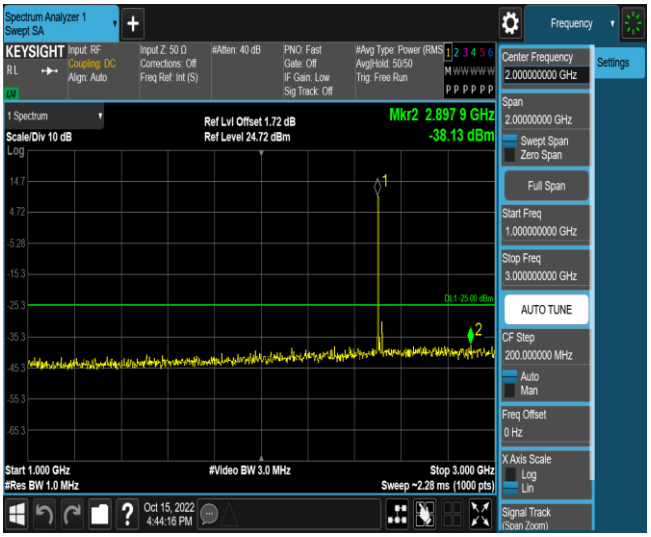
Band7-10MHz-16QAM-20800-1RB#0-Range2:0.15~30MHz



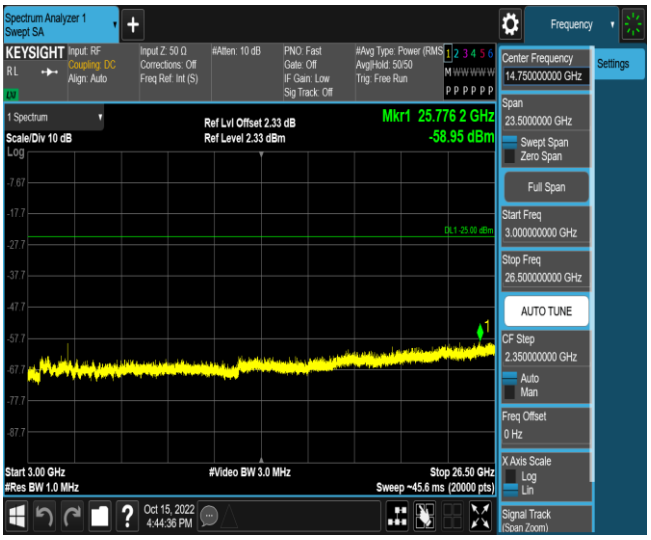
Band7-10MHz-16QAM-20800-1RB#0-Range3:30~1000MHz



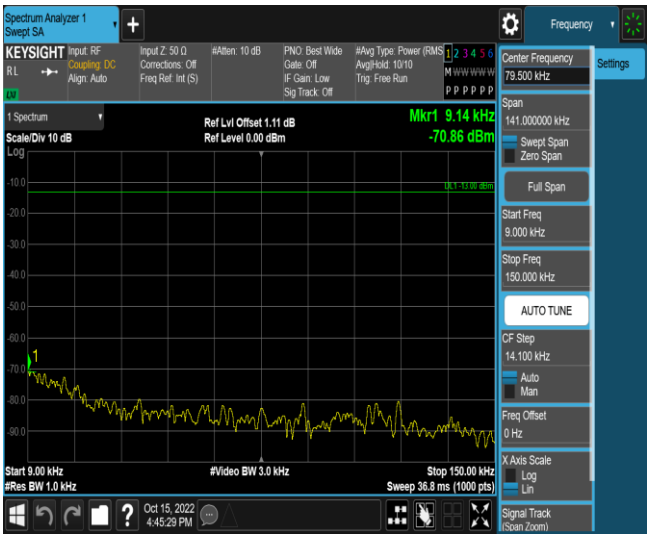
Band7-10MHz-16QAM-20800-1RB#0-Range4:1000~3000MHz



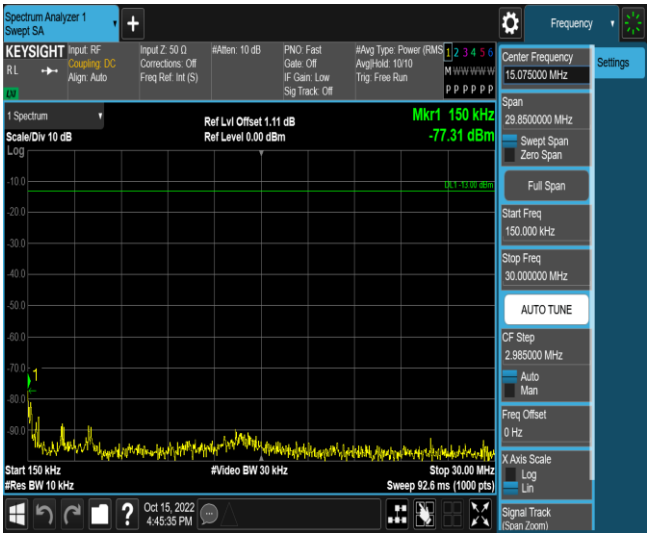
Band7-10MHz-16QAM-20800-1RB#0-Range5:3000~26500MHz



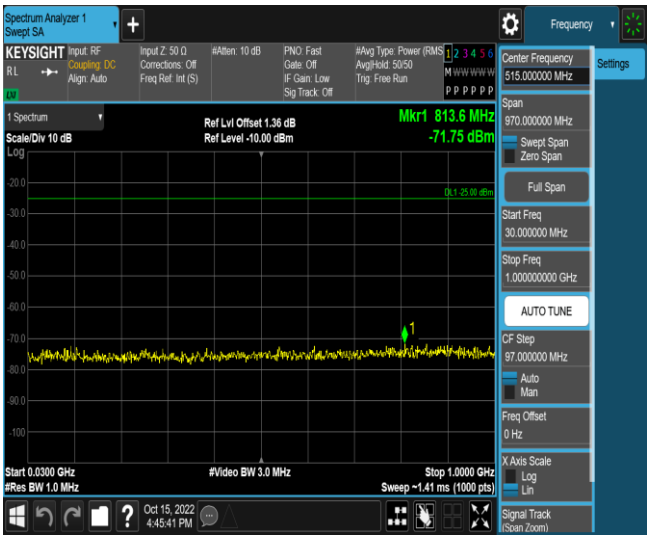
Band7-10MHz-16QAM-21100-1RB#0-Range1:0.009~0.15MHz



Band7-10MHz-16QAM-21100-1RB#0-Range2:0.15~30MHz



Band7-10MHz-16QAM-21100-1RB#0-Range3:30~1000MHz



Band7-10MHz-16QAM-21100-1RB#0-Range4:1000~3000MHz