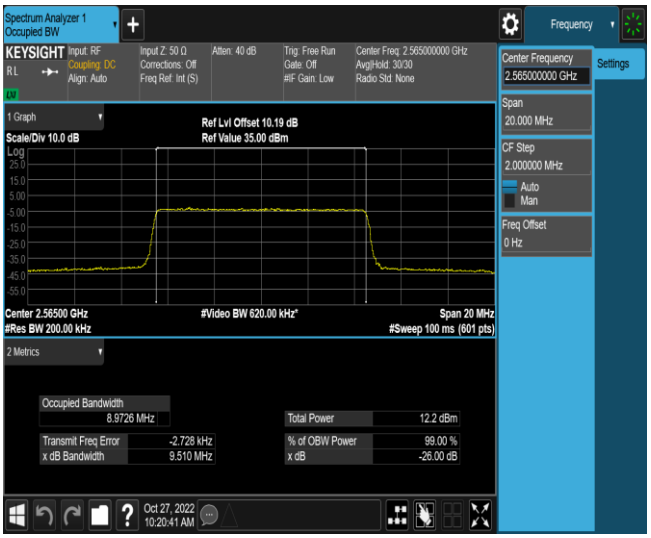
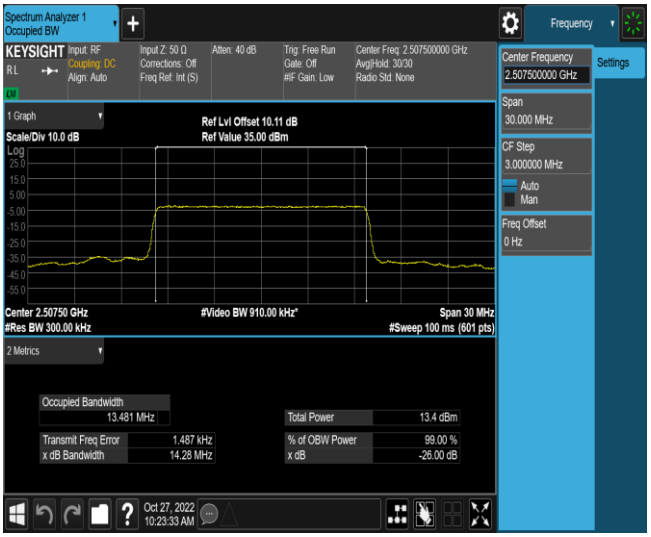


Band7-15MHz-QPSK-20825-75RB#0



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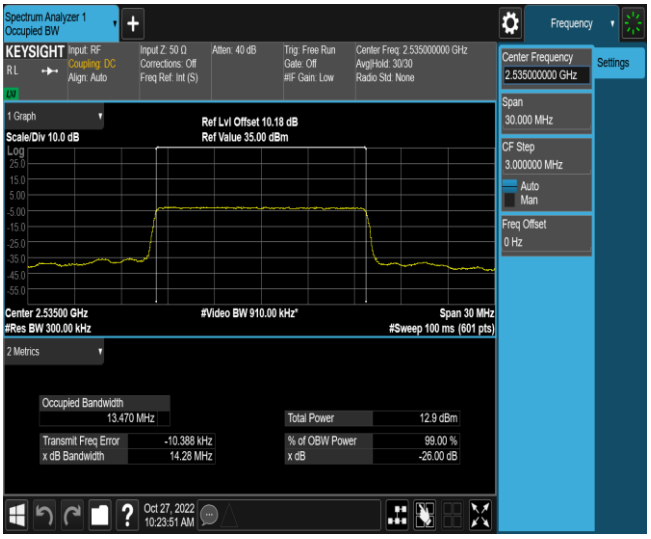

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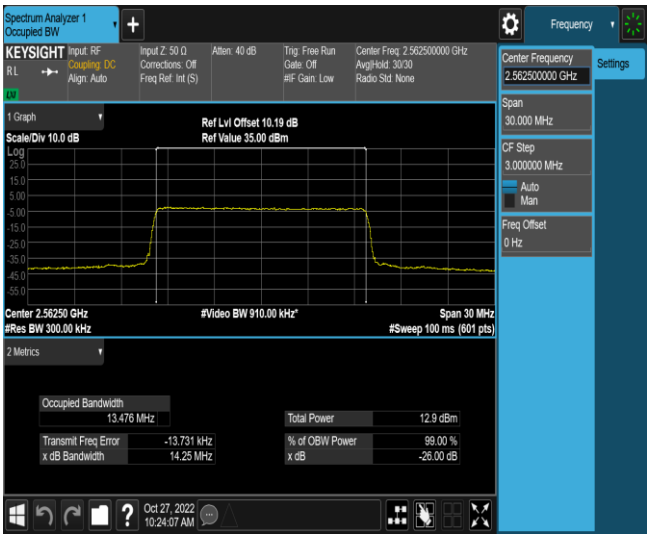

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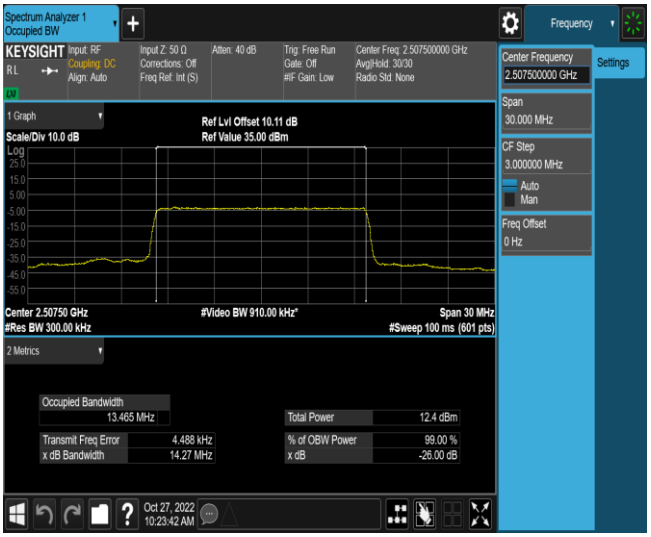

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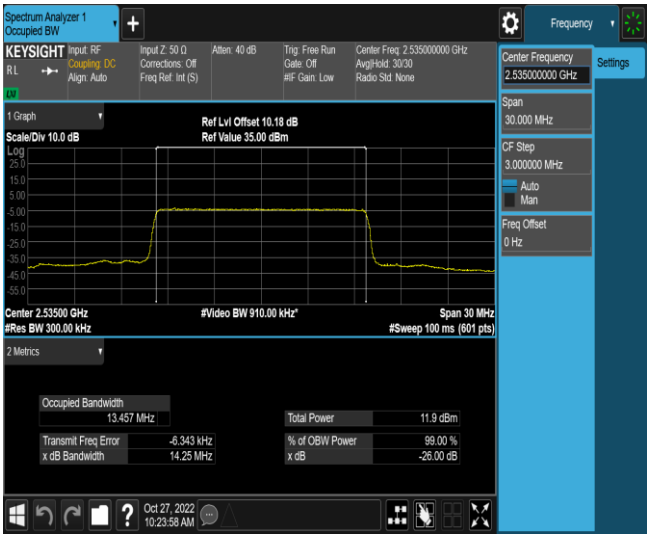

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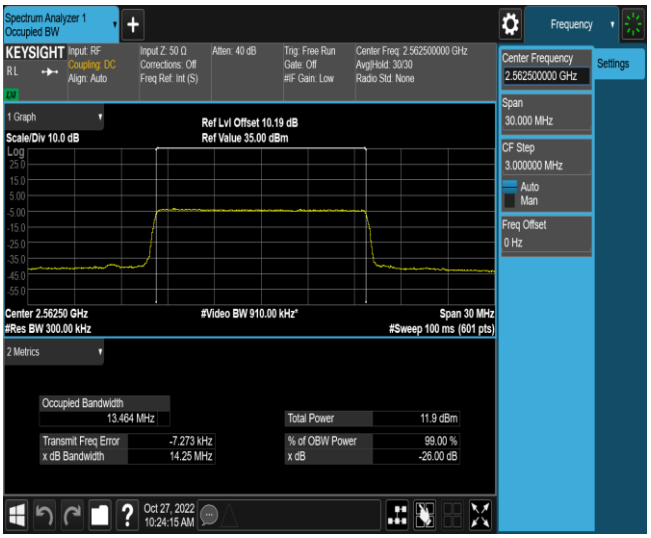

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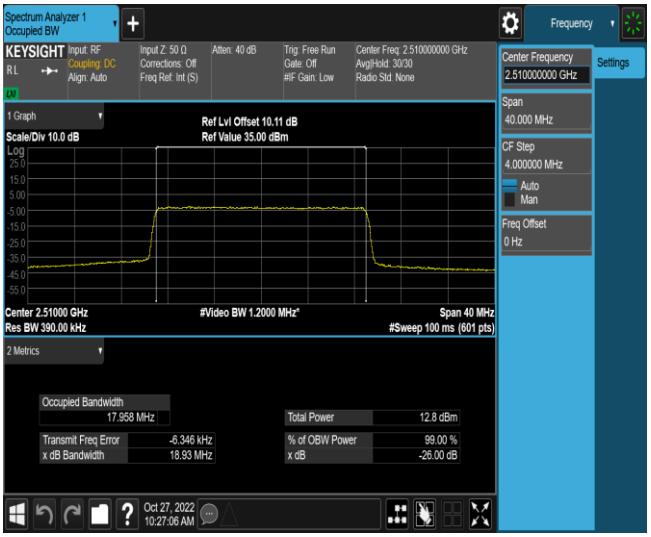

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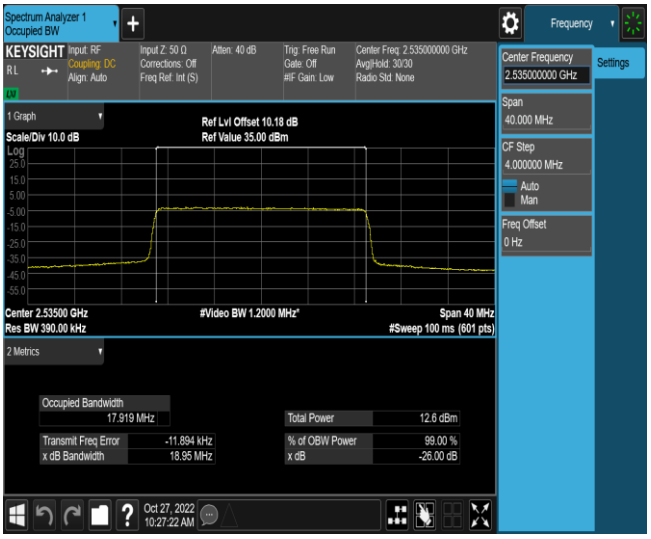

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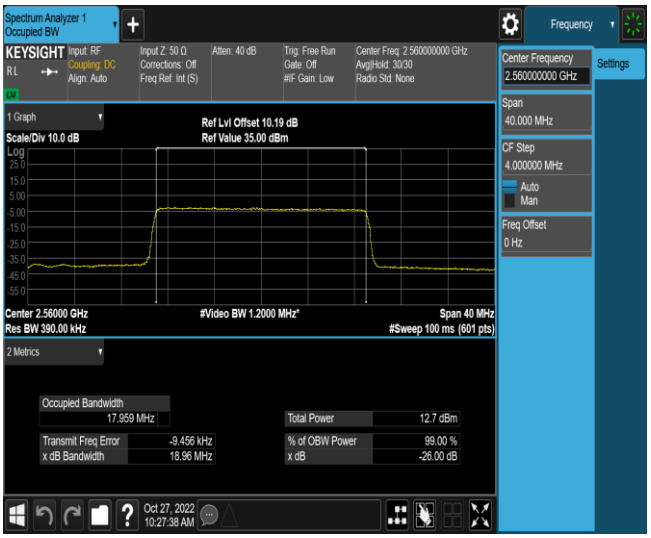

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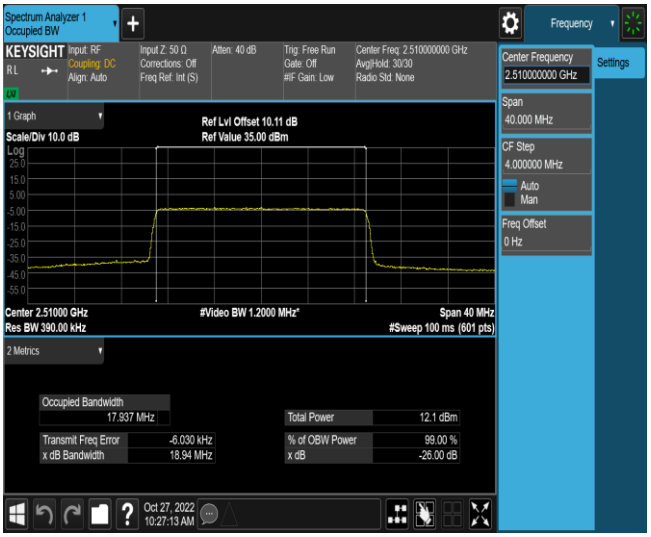

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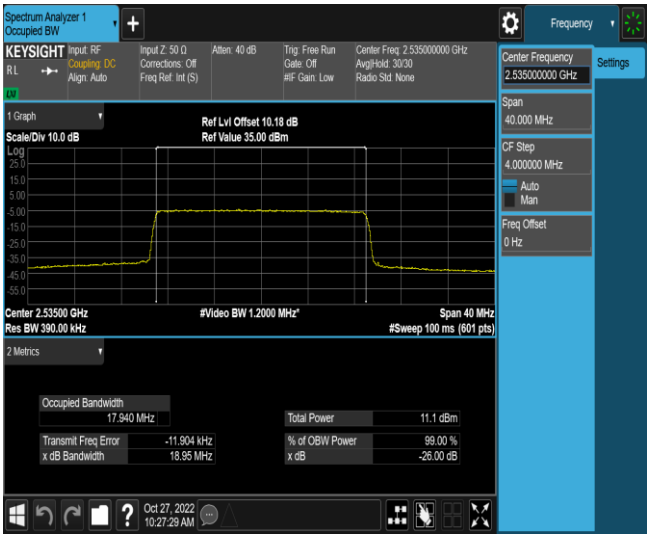

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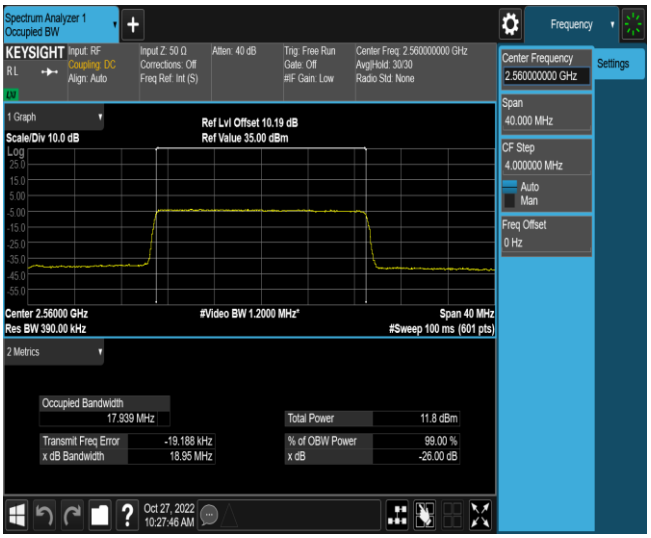

Spectrum Analyzer 1
Occupied BW
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 40 dB
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.560000000 GHz
Avg|Hold: 30/30
Radio Std: None
Frequency
Settings
Center Frequency
2.560000000 GHz
Span
40.000 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Ref Lvl Offset 10.19 dB
Ref Value 35.00 dBm
Scale/Div 10.0 dB
Log
25.0
15.0
5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0
Center 2.56000 GHz
Res BW 390.00 kHz
#Video BW 1.2000 MHz*
Span 40 MHz
#Sweep 100 ms (601 pts)
2 Metrics
Occupied Bandwidth
17.939 MHz
Total Power
11.8 dBm
Transmit Freq Error
-19.188 kHz
x dB Bandwidth
18.95 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Oct 27, 2022
10:27:46 AM

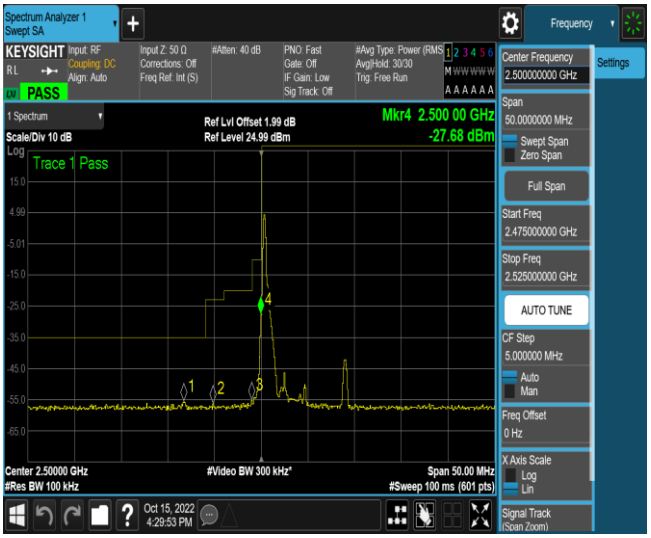
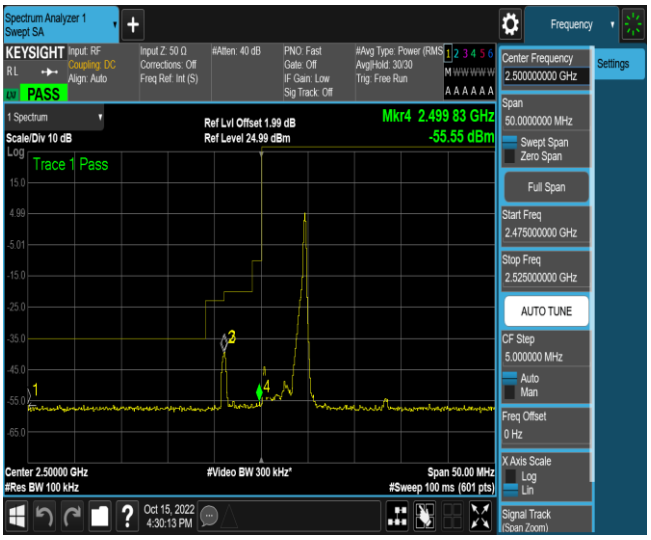
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band7	5MHz	QPSK	20775	1RB#0	PASS
Band7	5MHz	QPSK	20775	1RB#24	PASS
Band7	5MHz	QPSK	20775	25RB#0	PASS
Band7	5MHz	QPSK	21425	1RB#0	PASS
Band7	5MHz	QPSK	21425	1RB#24	PASS
Band7	5MHz	QPSK	21425	25RB#0	PASS
Band7	5MHz	16QAM	20775	1RB#0	PASS
Band7	5MHz	16QAM	20775	1RB#24	PASS
Band7	5MHz	16QAM	20775	25RB#0	PASS
Band7	5MHz	16QAM	21425	1RB#0	PASS
Band7	5MHz	16QAM	21425	1RB#24	PASS
Band7	5MHz	16QAM	21425	25RB#0	PASS
Band7	10MHz	QPSK	20800	1RB#0	PASS
Band7	10MHz	QPSK	20800	1RB#49	PASS
Band7	10MHz	QPSK	20800	50RB#0	PASS
Band7	10MHz	QPSK	21400	1RB#0	PASS
Band7	10MHz	QPSK	21400	1RB#49	PASS
Band7	10MHz	QPSK	21400	50RB#0	PASS
Band7	10MHz	16QAM	20800	1RB#0	PASS
Band7	10MHz	16QAM	20800	1RB#49	PASS
Band7	10MHz	16QAM	20800	50RB#0	PASS
Band7	10MHz	16QAM	21400	1RB#0	PASS
Band7	10MHz	16QAM	21400	1RB#49	PASS
Band7	10MHz	16QAM	21400	50RB#0	PASS
Band7	15MHz	QPSK	20825	1RB#0	PASS
Band7	15MHz	QPSK	20825	1RB#74	PASS
Band7	15MHz	QPSK	20825	75RB#0	PASS
Band7	15MHz	QPSK	21375	1RB#0	PASS
Band7	15MHz	QPSK	21375	1RB#74	PASS
Band7	15MHz	QPSK	21375	75RB#0	PASS
Band7	15MHz	16QAM	20825	1RB#0	PASS
Band7	15MHz	16QAM	20825	1RB#74	PASS
Band7	15MHz	16QAM	20825	75RB#0	PASS
Band7	15MHz	16QAM	21375	1RB#0	PASS
Band7	15MHz	16QAM	21375	1RB#74	PASS

Band7	15MHz	16QAM	21375	75RB#0	PASS
Band7	20MHz	QPSK	20850	1RB#0	PASS
Band7	20MHz	QPSK	20850	1RB#99	PASS
Band7	20MHz	QPSK	20850	100RB#0	PASS
Band7	20MHz	QPSK	21350	1RB#0	PASS
Band7	20MHz	QPSK	21350	1RB#99	PASS
Band7	20MHz	QPSK	21350	100RB#0	PASS
Band7	20MHz	16QAM	20850	1RB#0	PASS
Band7	20MHz	16QAM	20850	1RB#99	PASS
Band7	20MHz	16QAM	20850	100RB#0	PASS
Band7	20MHz	16QAM	21350	1RB#0	PASS
Band7	20MHz	16QAM	21350	1RB#99	PASS
Band7	20MHz	16QAM	21350	100RB#0	PASS

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0

Band7-5MHz-QPSK-20775-1RB#24

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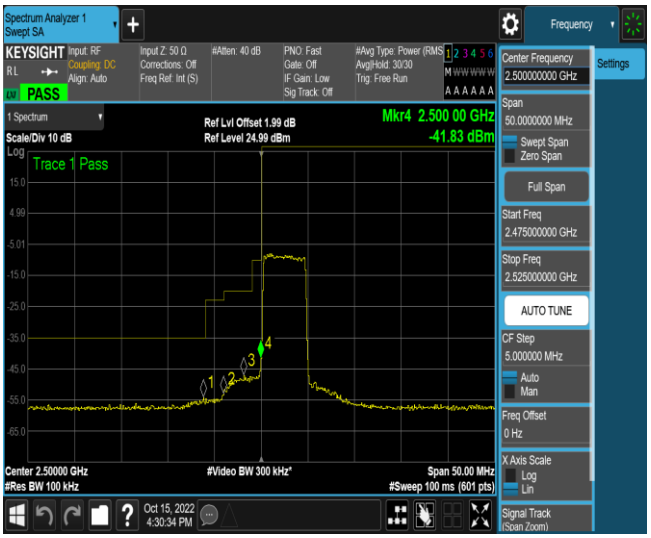
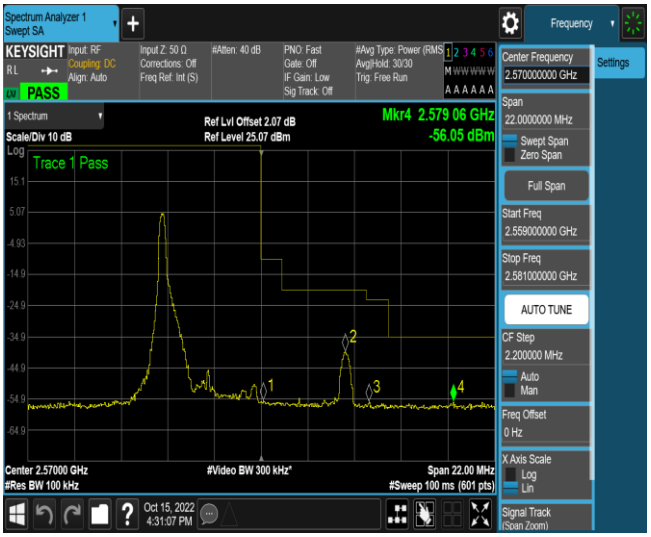
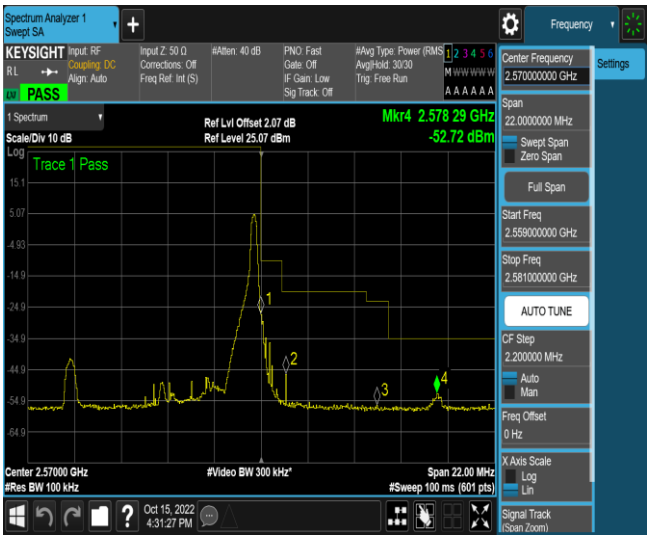


Band7-5MHz-QPSK-21425-1RB#0



Band7-5MHz-QPSK-21425-1RB#24



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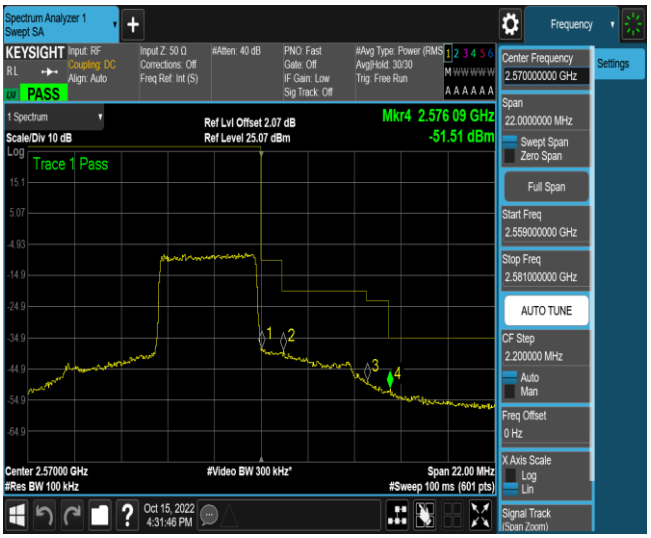

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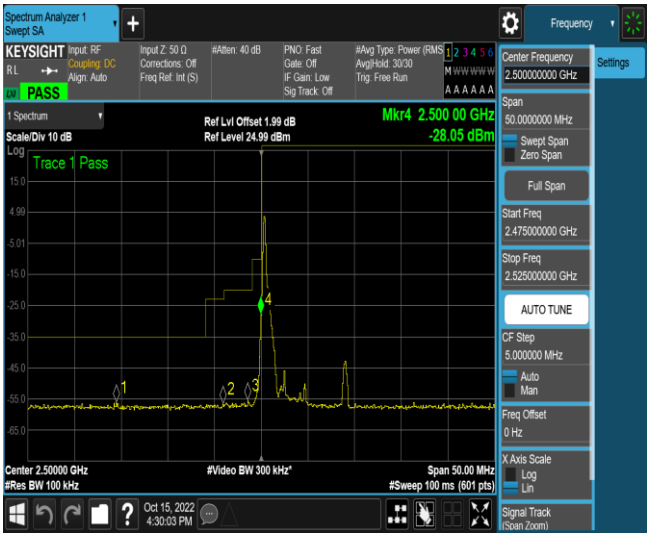

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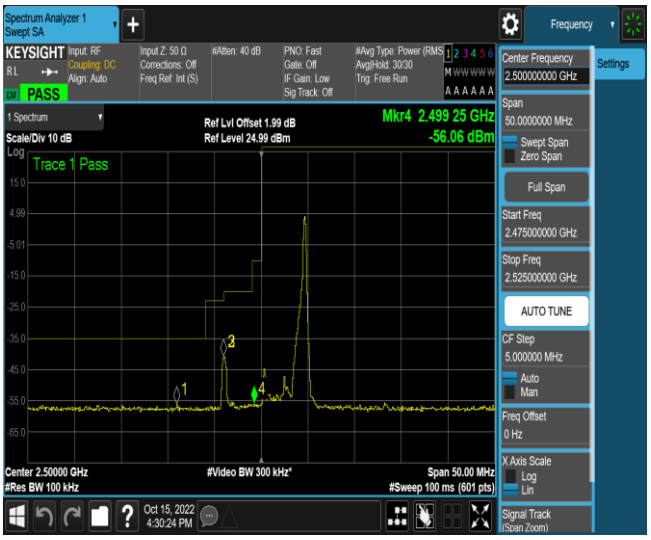

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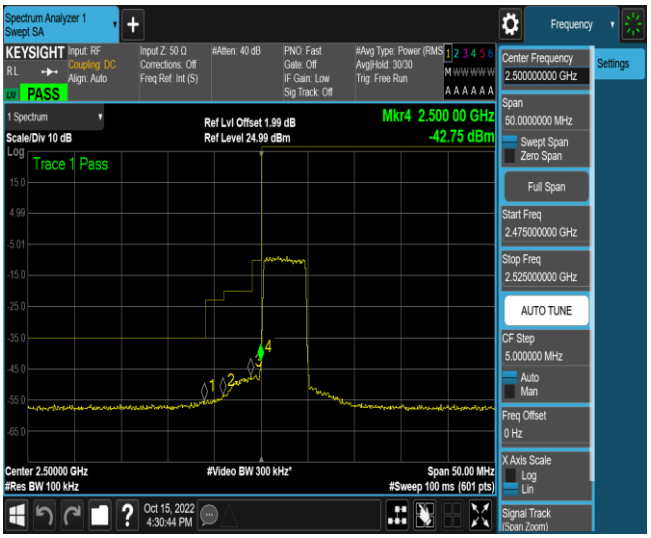

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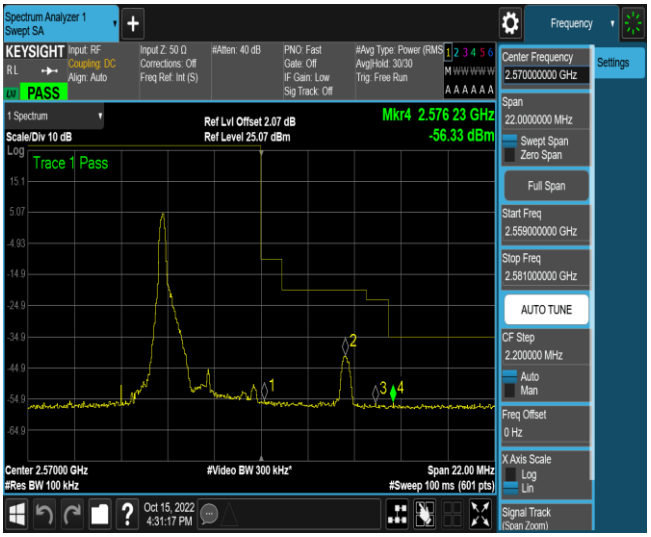
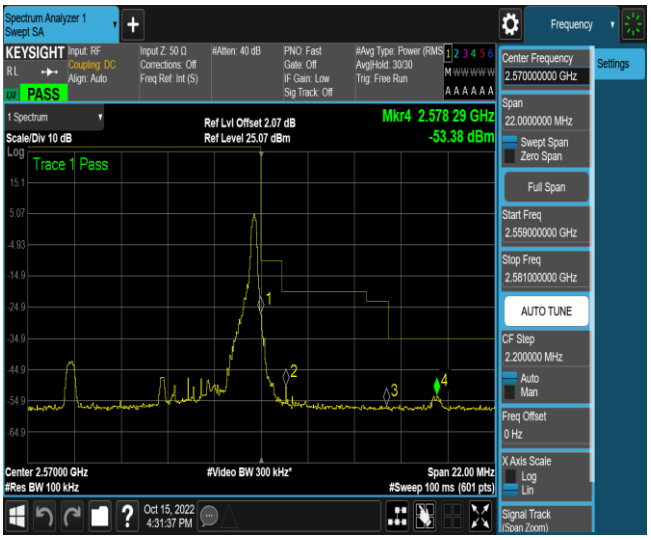
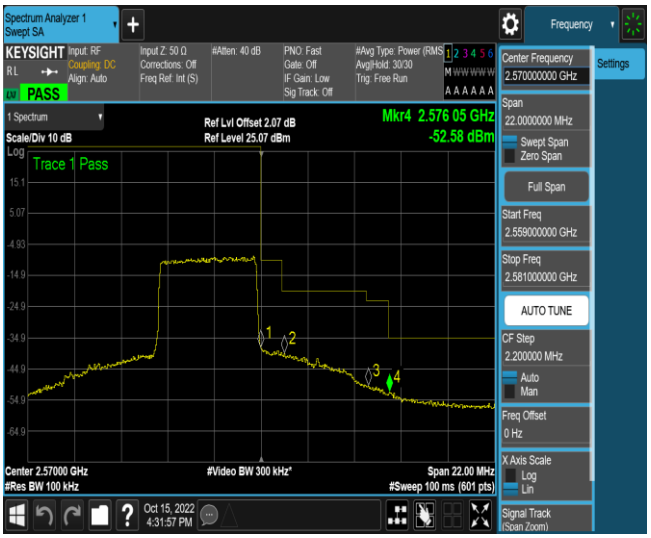


Band7-5MHz-16QAM-21425-1RB#24



Band7-5MHz-16QAM-21425-25RB#0



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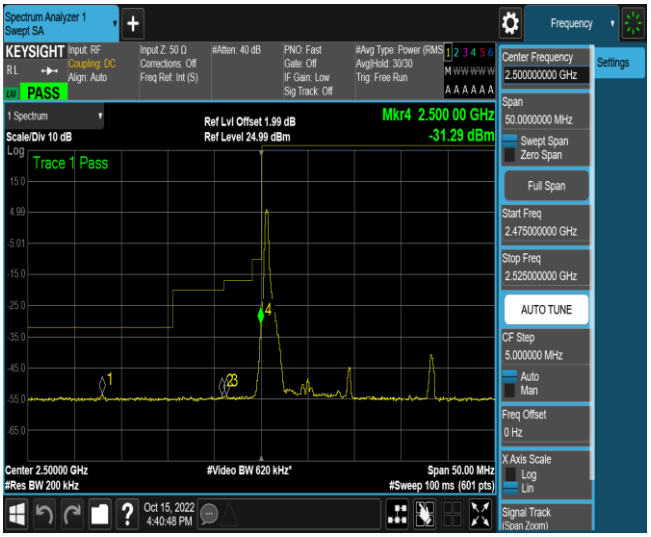

Band7-10MHz-QPSK-20800-1RB#49

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21400-1RB#0

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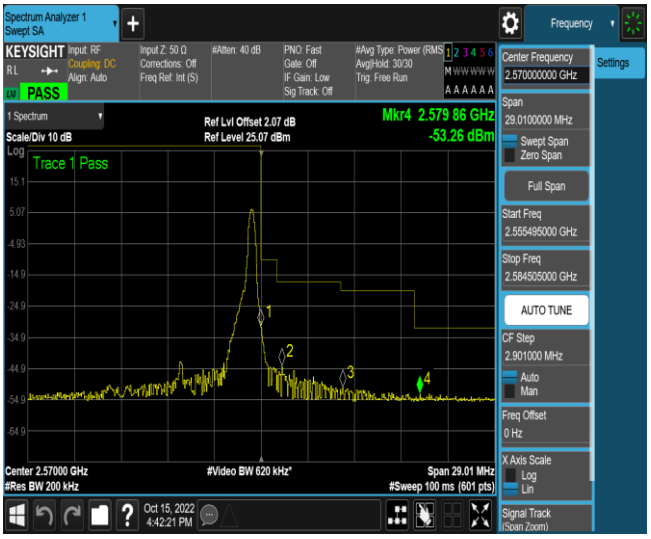

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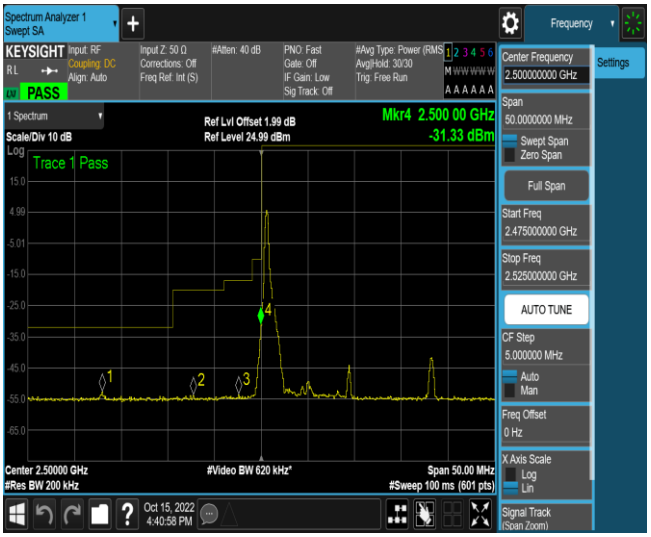
Band7-10MHz-16QAM-20800-1RB#0



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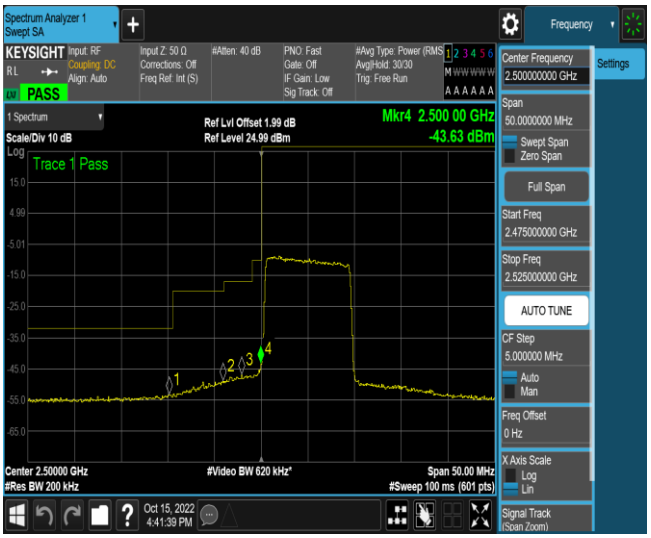

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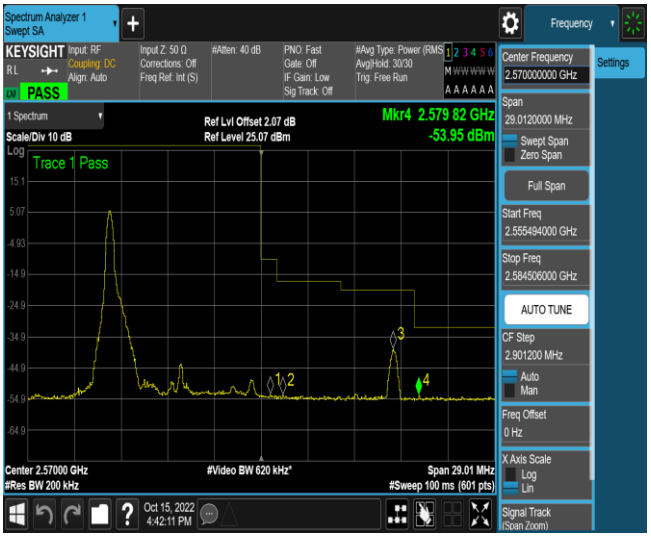

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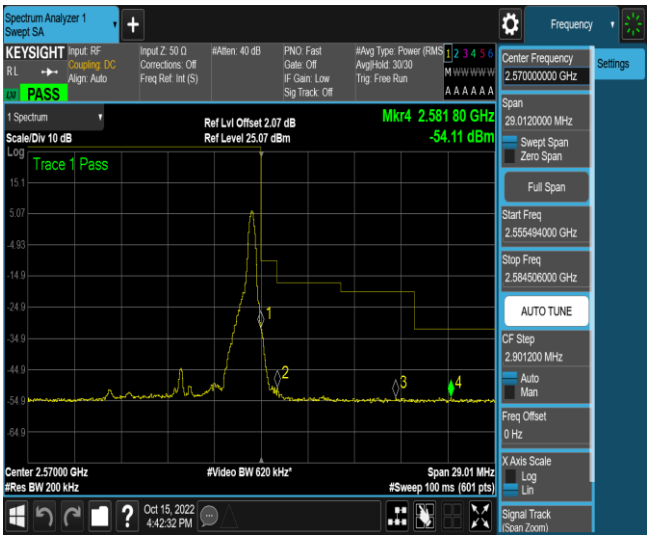
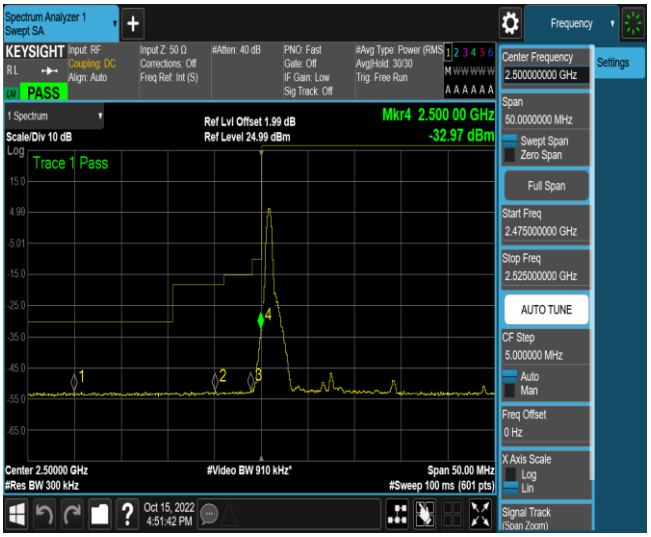


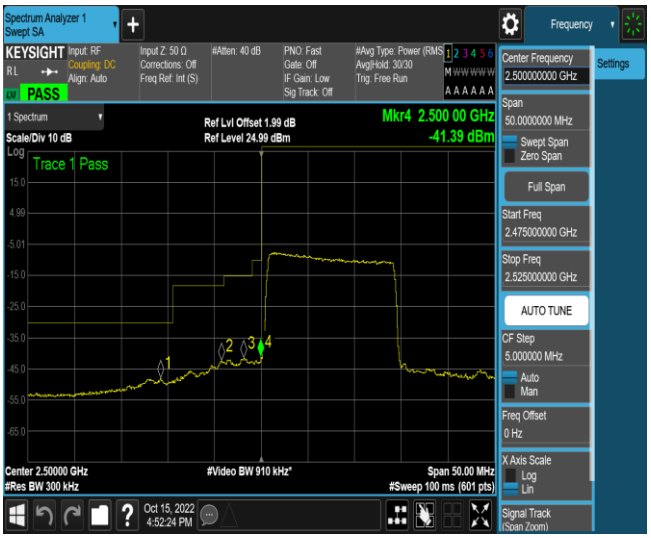
Band7-10MHz-16QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-1RB#0



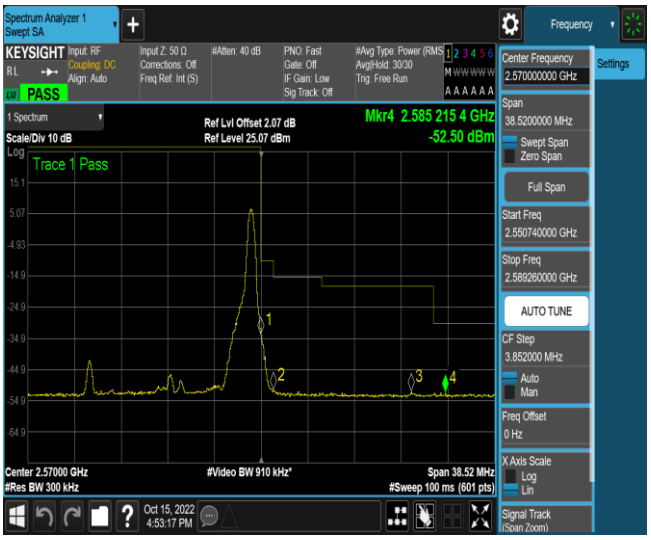
Band7-15MHz-QPSK-20825-1RB#74

Band7-15MHz-QPSK-20825-75RB#0



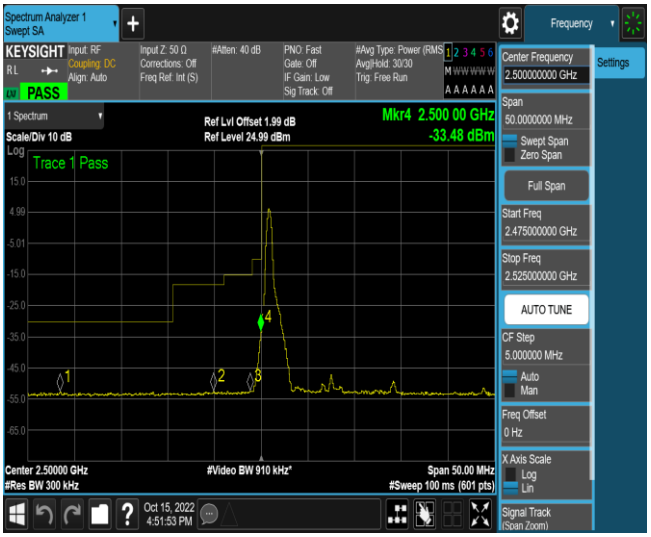
Band7-15MHz-QPSK-21375-1RB#0

Band7-15MHz-QPSK-21375-1RB#74



Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-1RB#0



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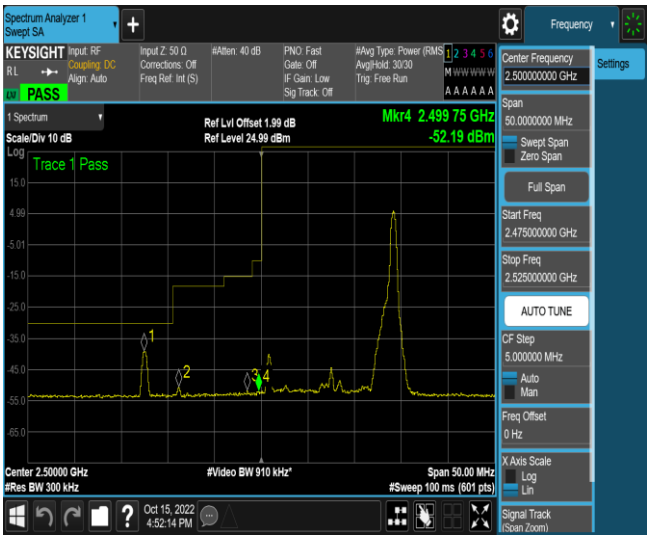

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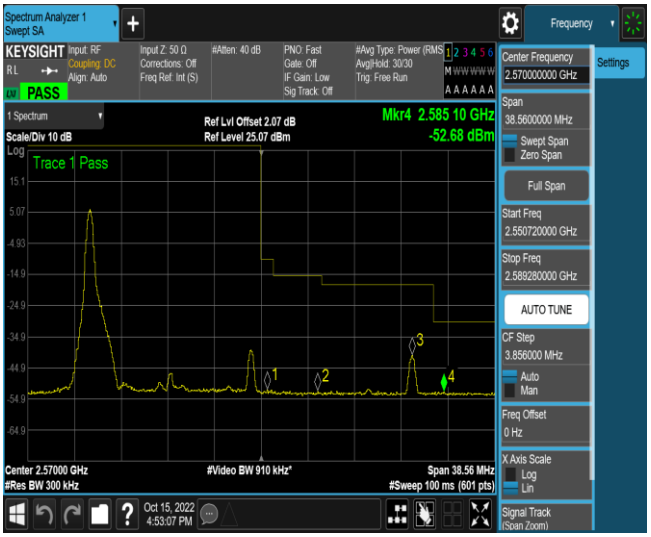
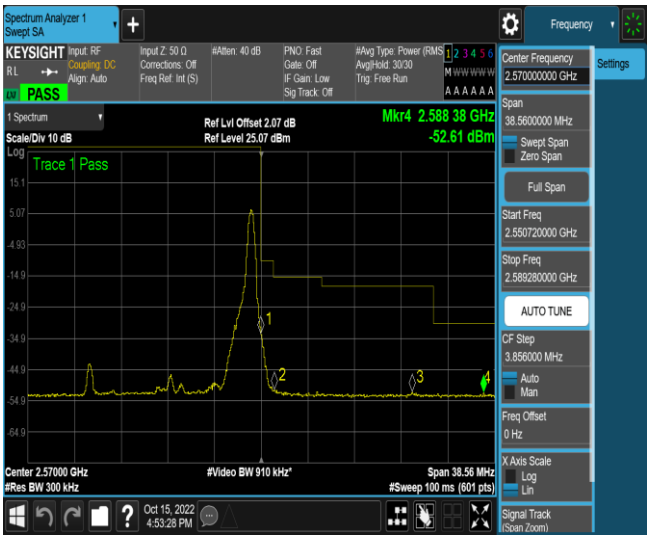


Band7-15MHz-16QAM-21375-1RB#74



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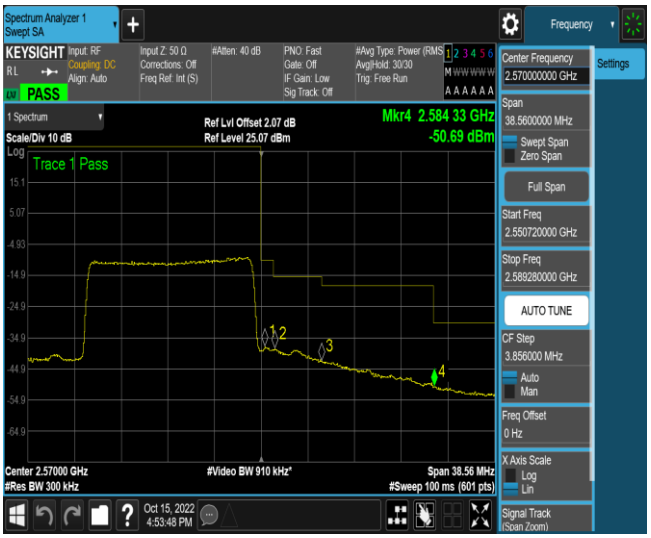

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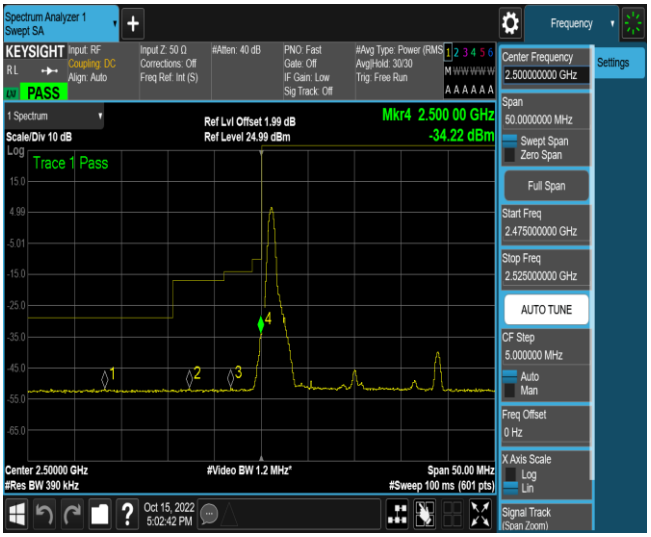
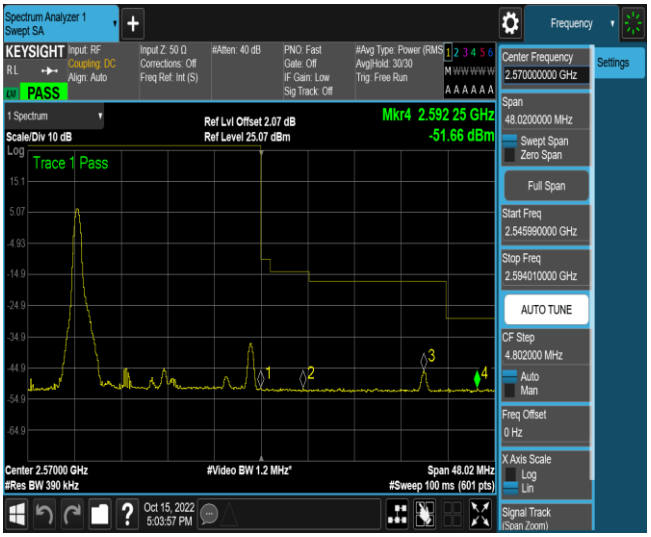


Band7-20MHz-QPSK-20850-1RB#99

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21350-1RB#0



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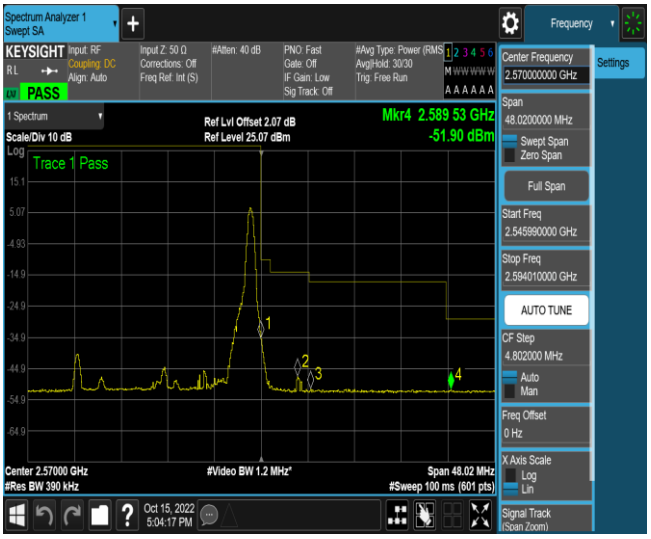

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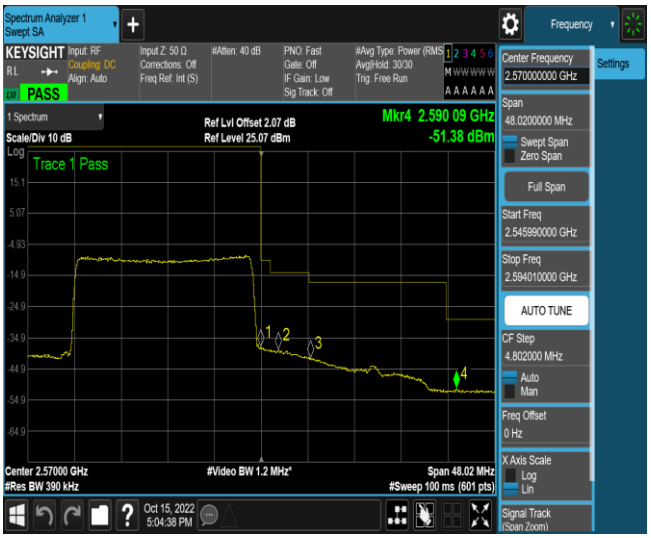

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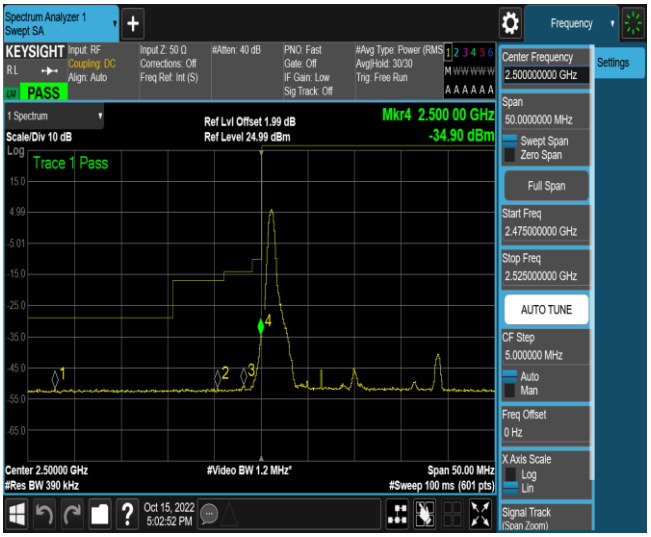

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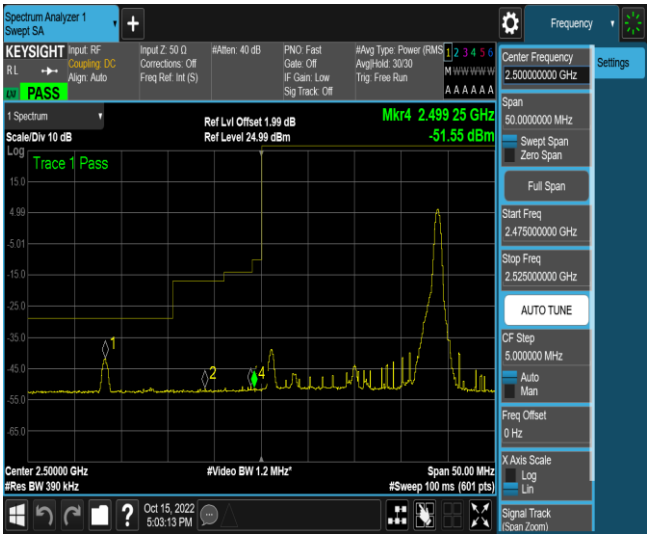

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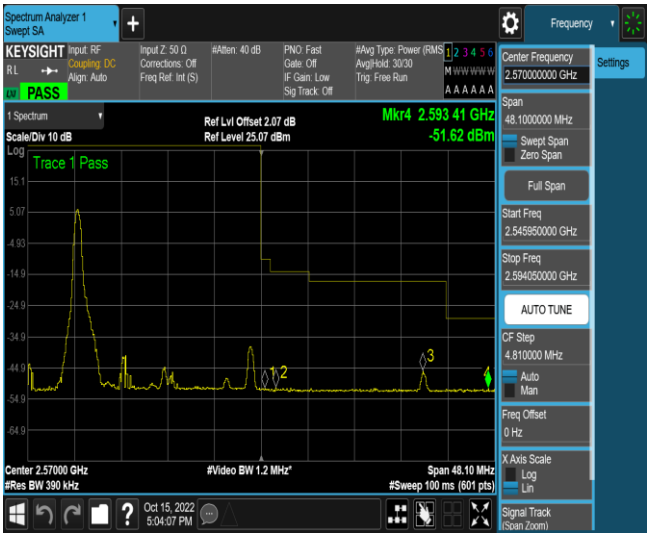

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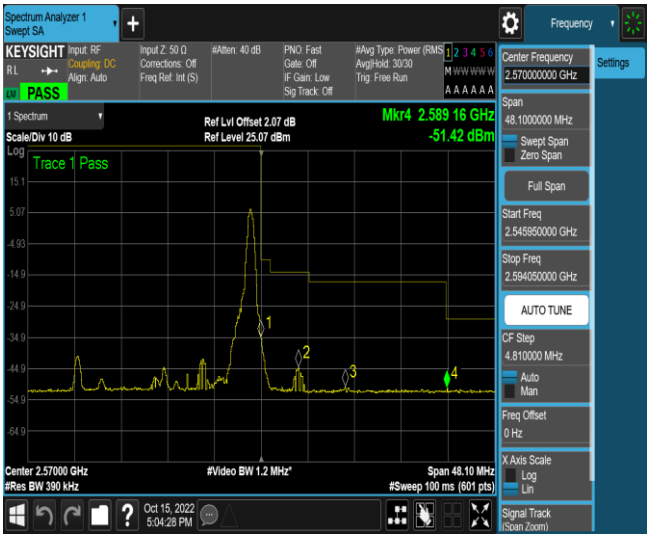

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