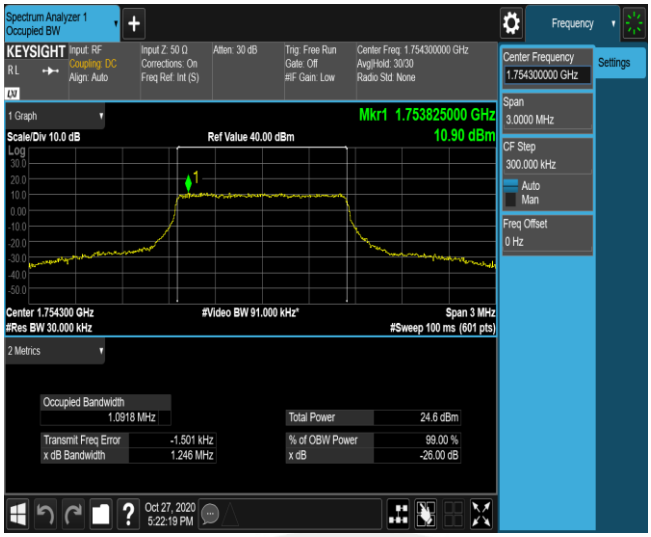
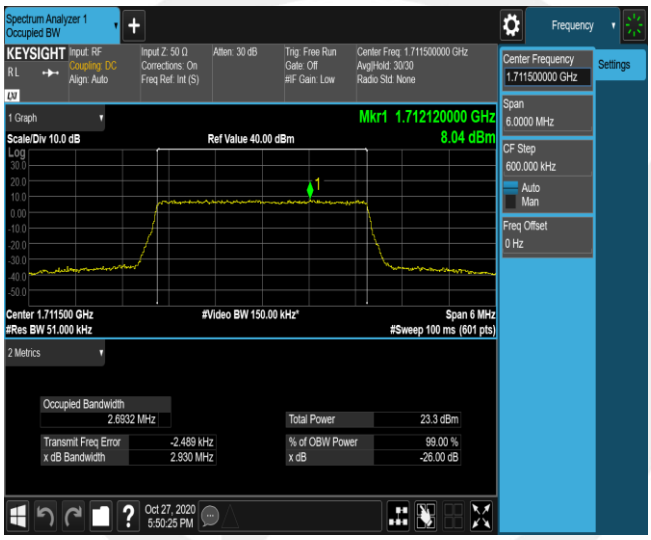


Band4-3MHz-QPSK-19965-15RB#0-2.6932



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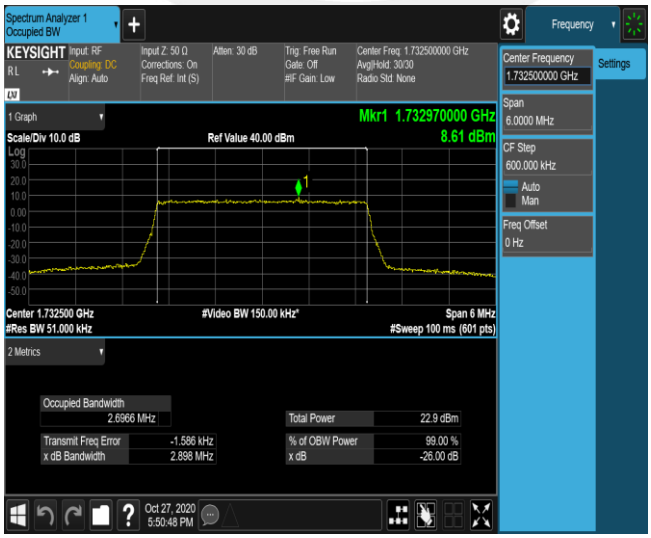

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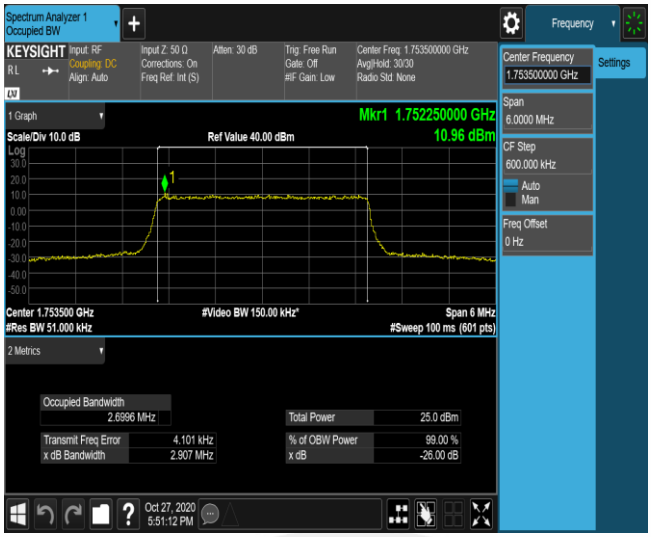

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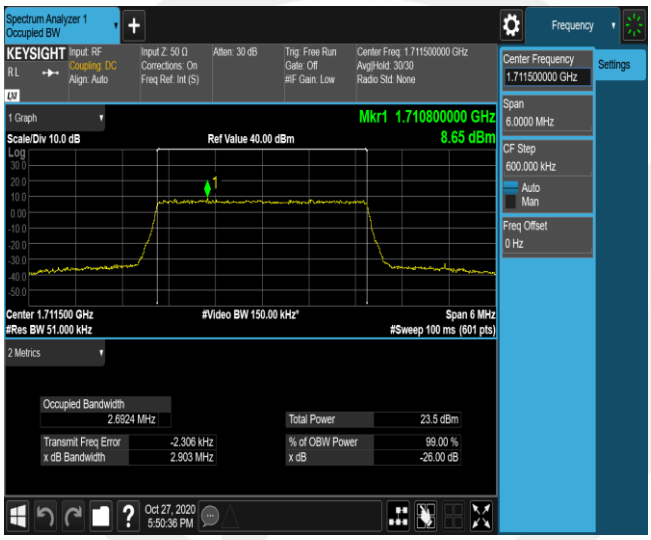

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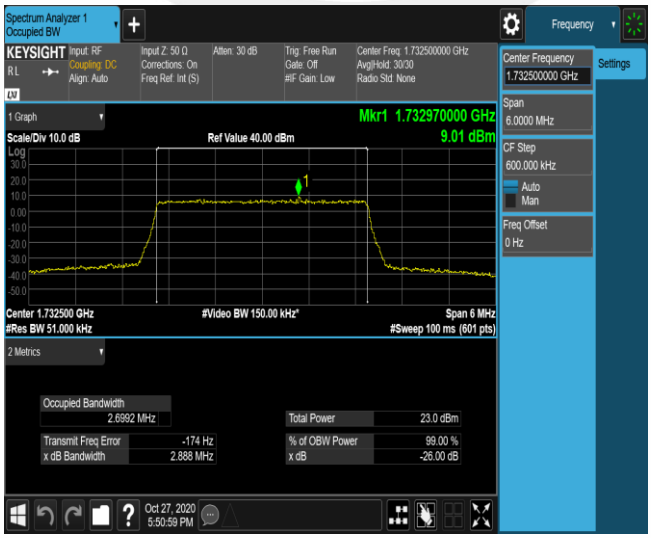

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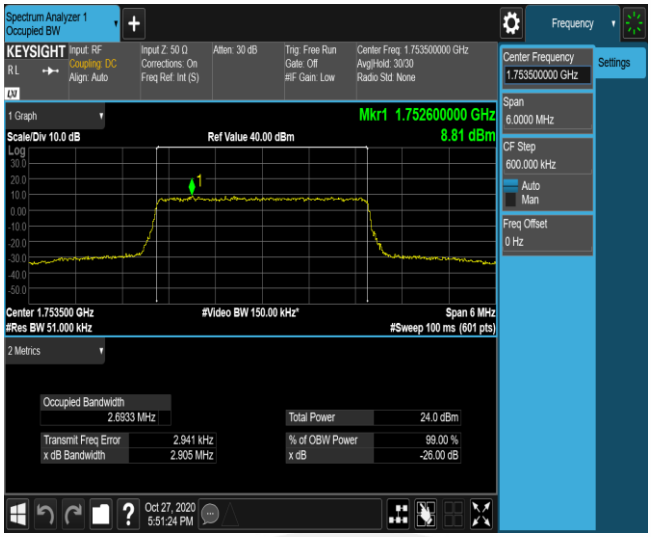
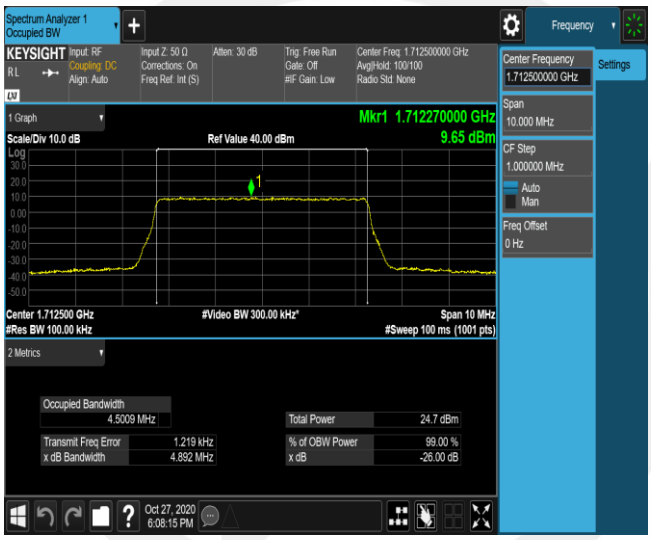


Band4-5MHz-QPSK-19975-25RB#0-4.5009



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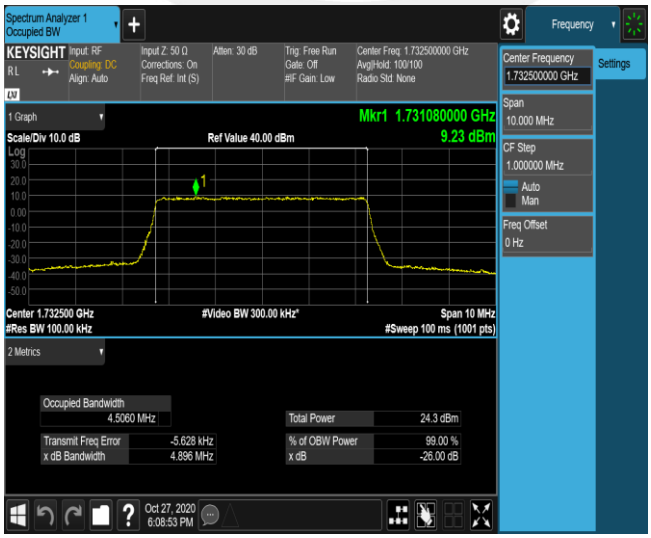

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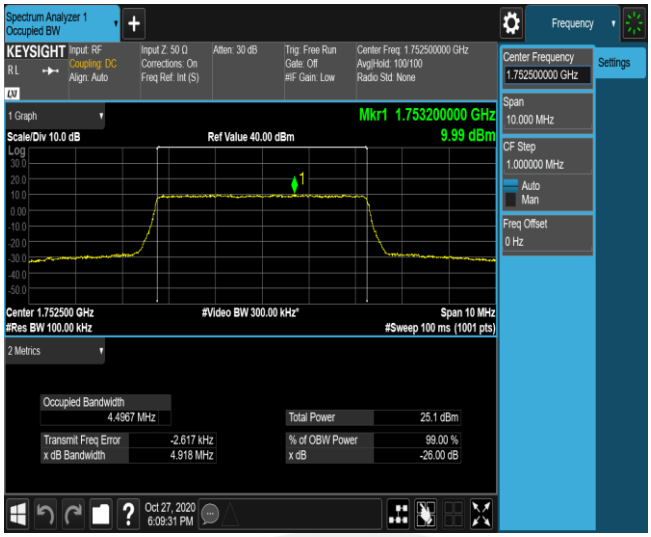

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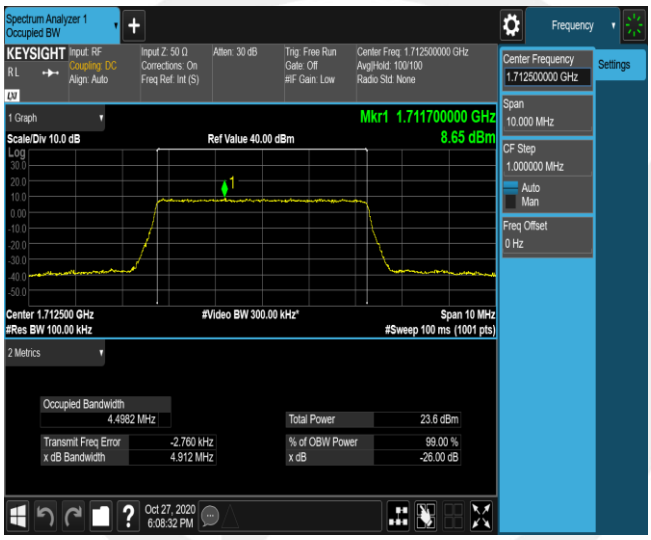

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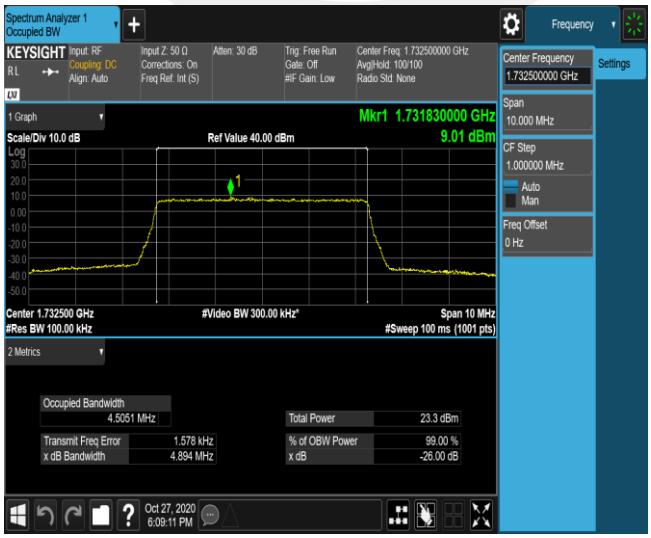

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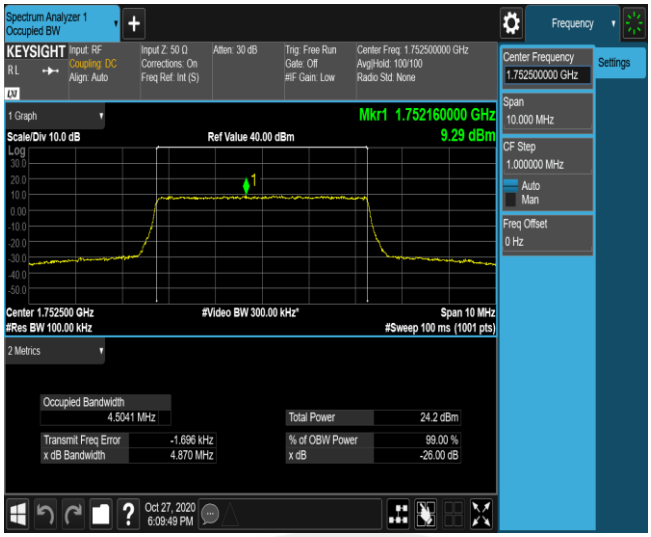
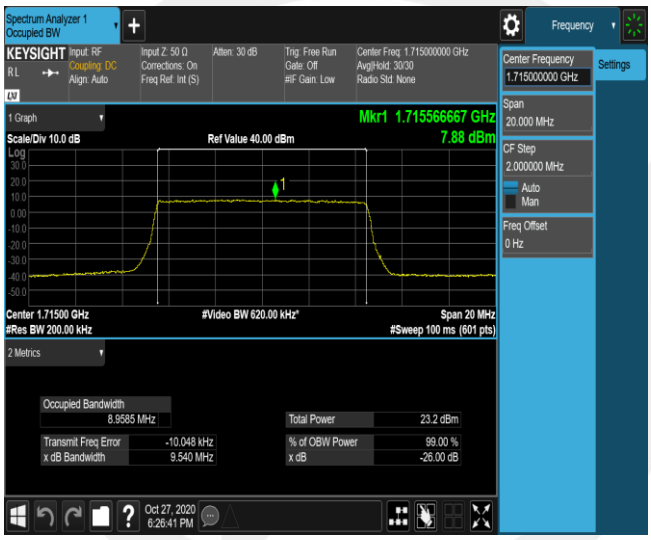


Band4-10MHz-QPSK-20000-50RB#0-8.9585



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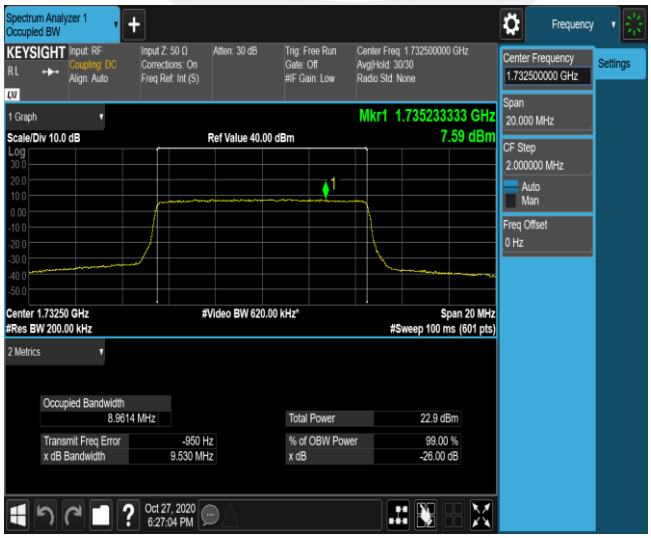

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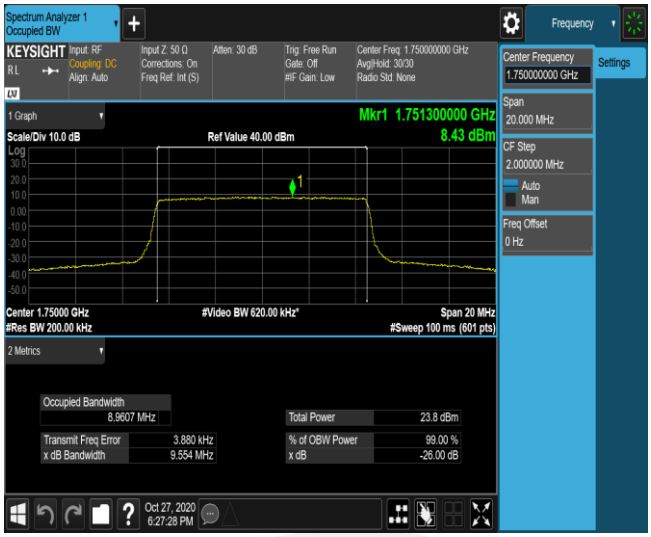

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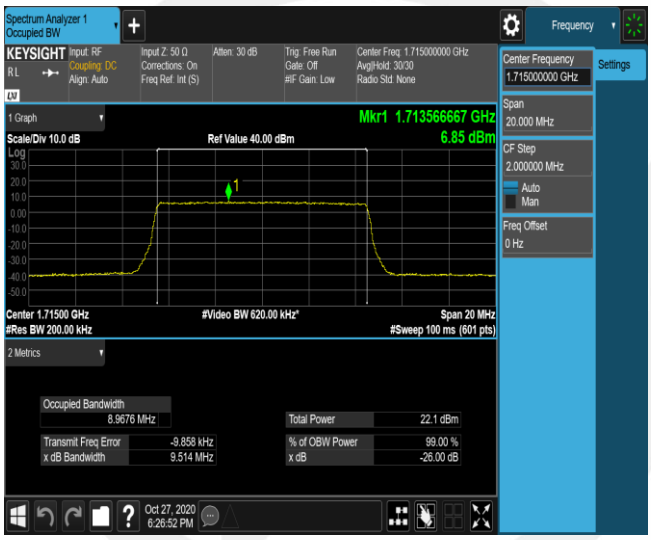

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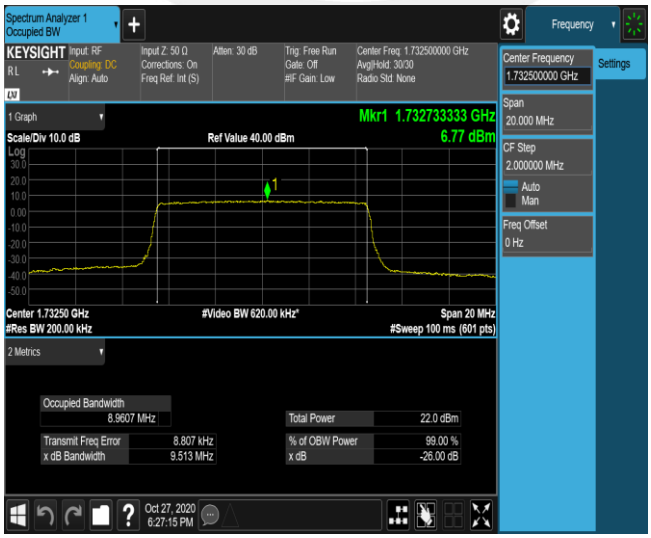

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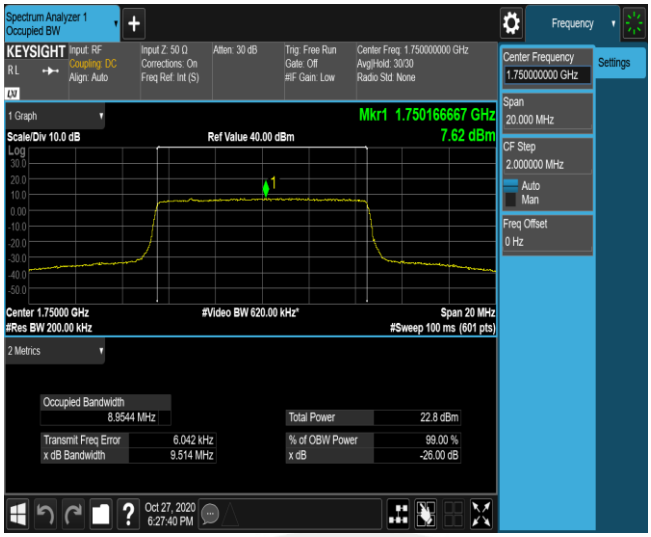

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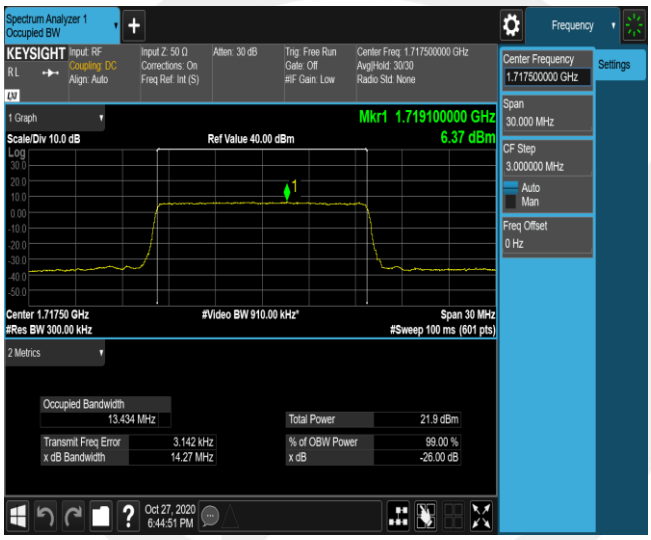

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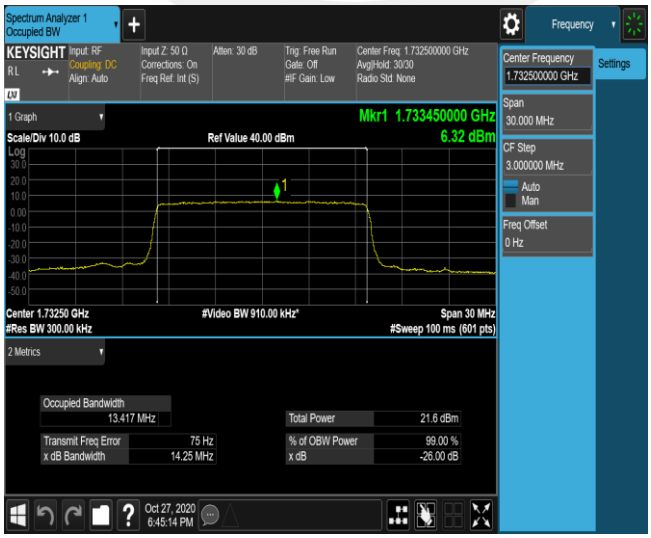

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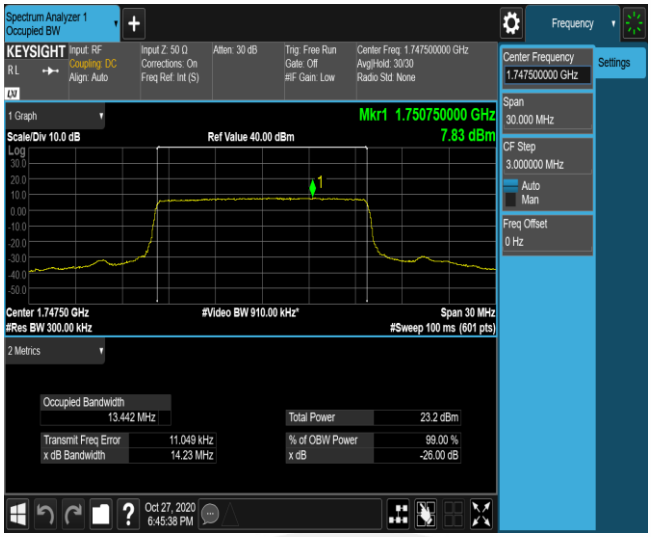

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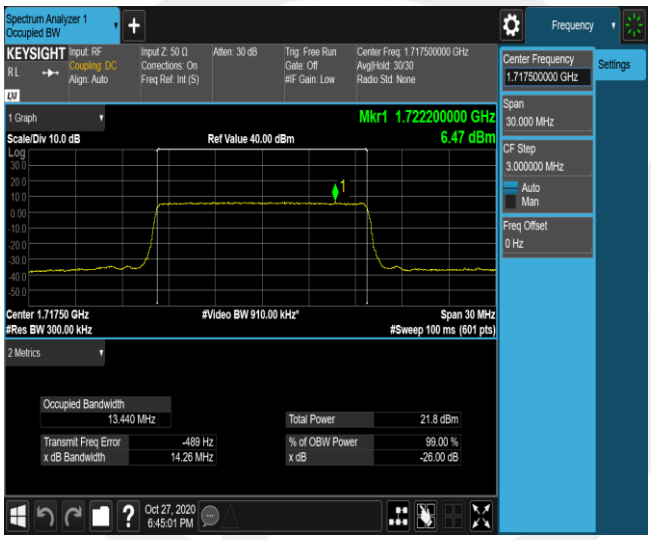

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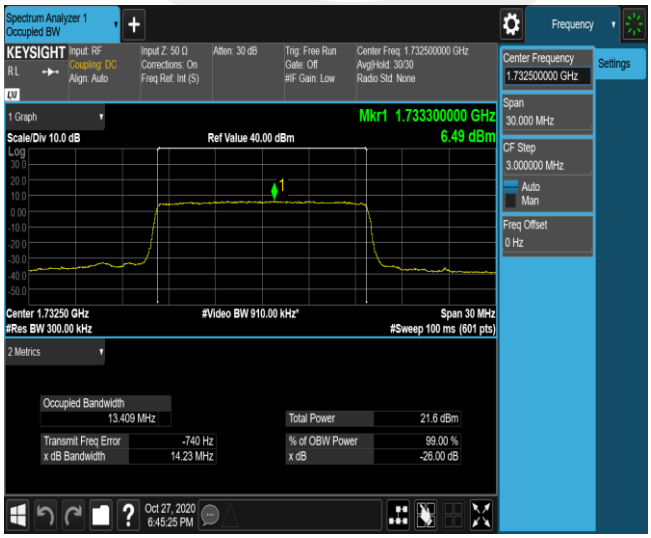

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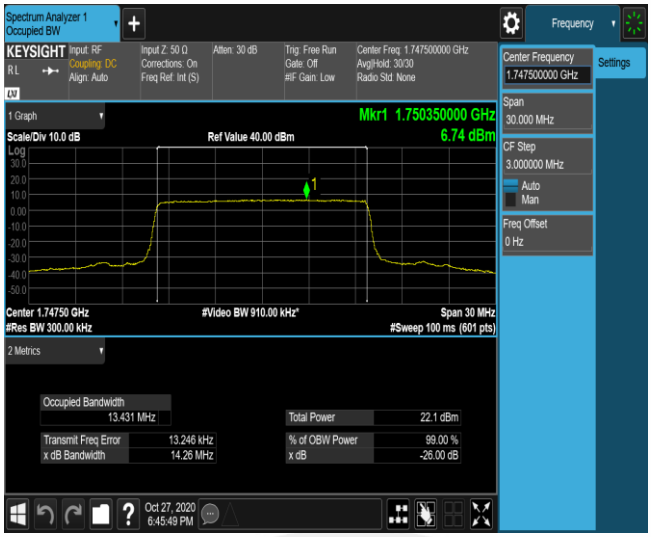
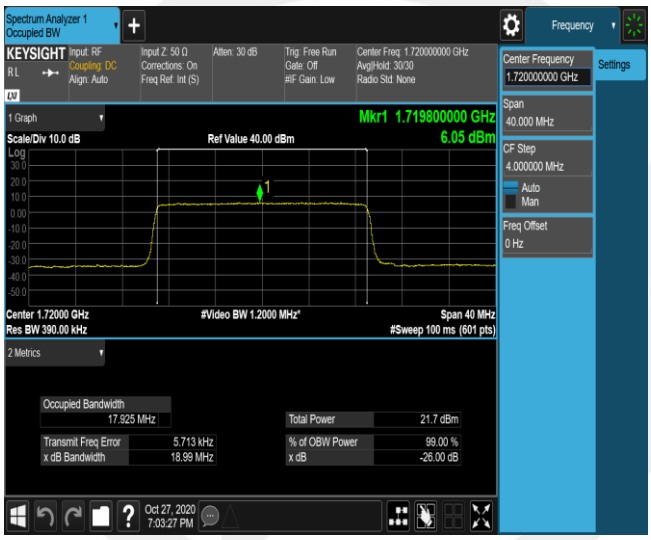


Band4-20MHz-QPSK-20050-100RB#0-17.925



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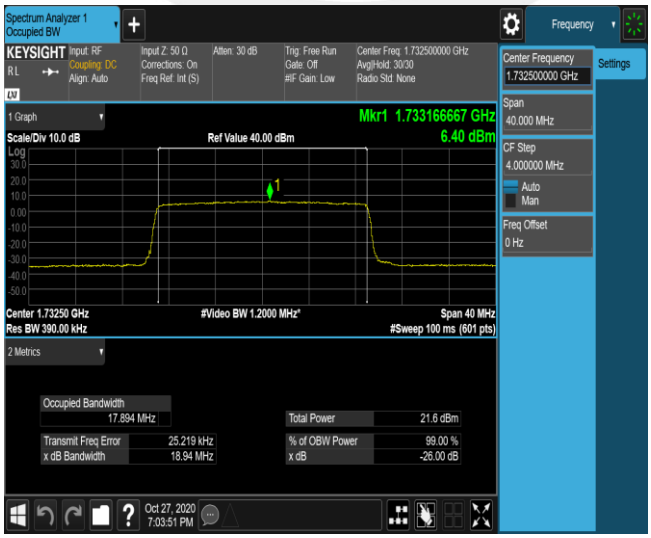

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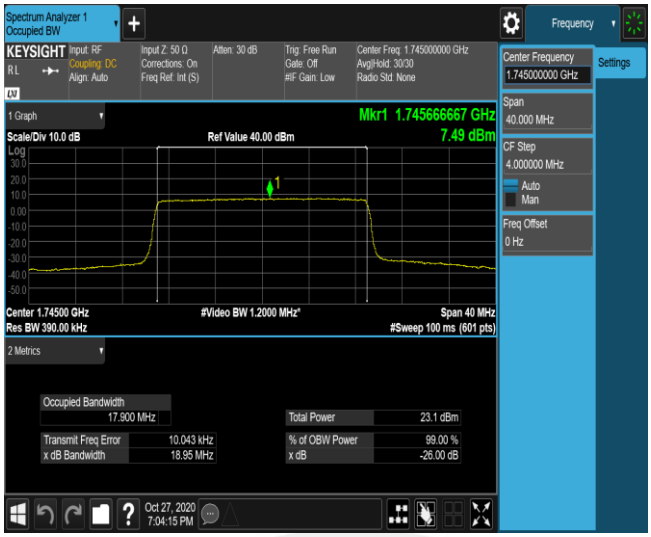

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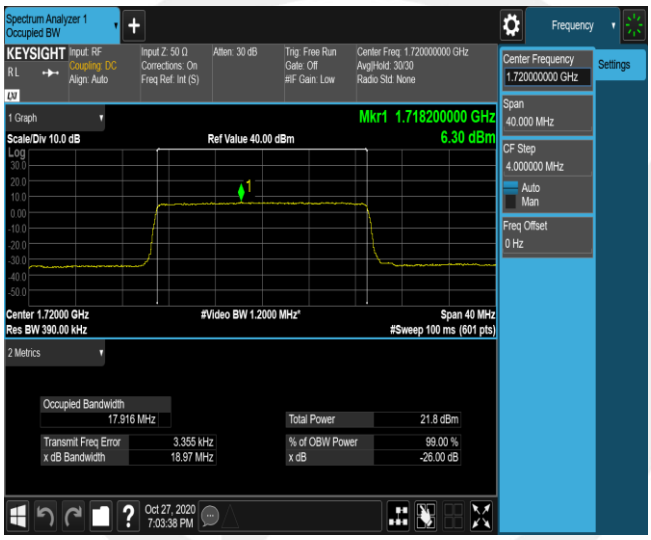

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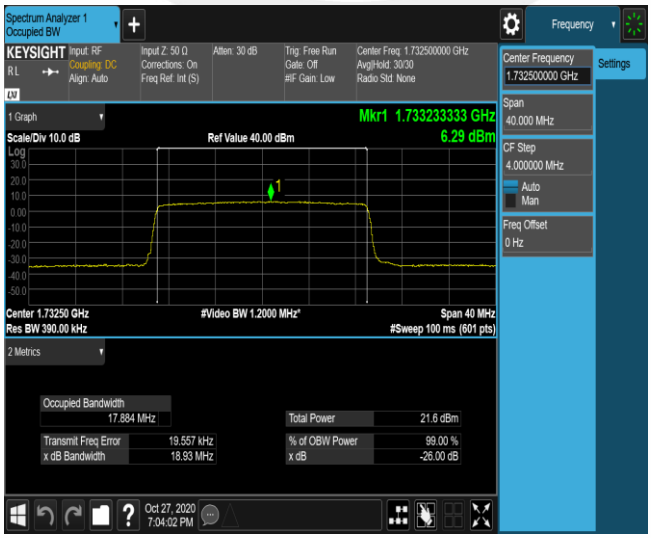
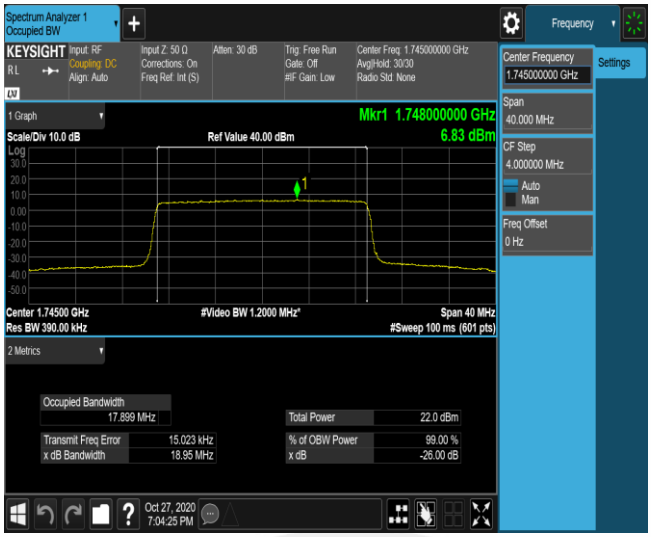


Band4-20MHz-16QAM-20300-100RB#0-17.899


Spectrum Analyzer 1
Occupied BW
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: On
Freq Ref: Int (S)
Atten: 30 dB
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 1.745000000 GHz
Avg|Hold: 30/30
Radio Std: None
Frequency
Center Frequency
1.745000000 GHz
Settings
Span
40.000 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Mkr1 1.748000000 GHz
6.83 dBm
Scale/Div 10.0 dB
Ref Value 40.00 dBm
Log
Center 1.74500 GHz
Res BW 390.00 kHz
#Video BW 1.2000 MHz*
Span 40 MHz
#Sweep 100 ms (601 pts)
2 Metrics
Occupied Bandwidth
17.899 MHz
Total Power
22.0 dBm
Transmit Freq Error
15.023 kHz
x dB Bandwidth
18.95 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Oct.27, 2020
7:04:25 PM

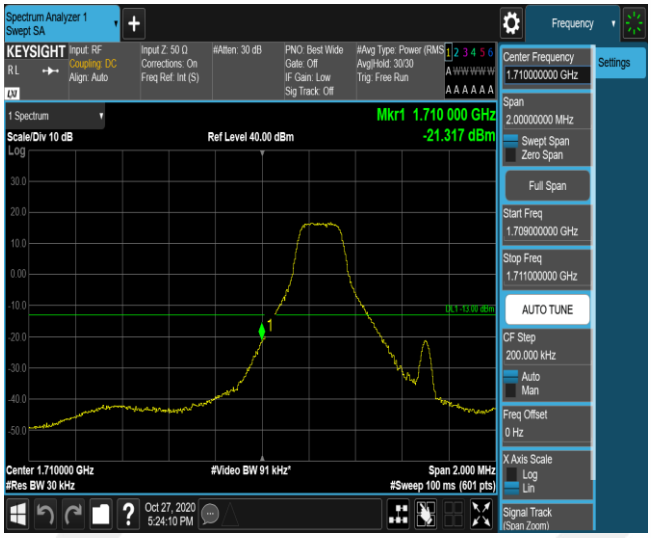
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-21.32	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-39.23	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-26.17	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-33.18	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-20.12	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-24.27	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-22.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-40.11	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.08	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-40.19	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-22.79	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-26.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	-18.84	PASS
Band4	3MHz	QPSK	19965	1RB#14	-43.58	PASS
Band4	3MHz	QPSK	19965	15RB#0	-24.99	PASS
Band4	3MHz	QPSK	20385	1RB#0	-44.14	PASS
Band4	3MHz	QPSK	20385	1RB#14	-16.54	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.79	PASS
Band4	3MHz	16QAM	19965	1RB#0	-19.28	PASS
Band4	3MHz	16QAM	19965	1RB#14	-44.49	PASS
Band4	3MHz	16QAM	19965	15RB#0	-25.81	PASS
Band4	3MHz	16QAM	20385	1RB#0	-45.02	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.09	PASS
Band4	3MHz	16QAM	20385	15RB#0	-25.68	PASS
Band4	5MHz	QPSK	19975	1RB#0	-17.18	PASS
Band4	5MHz	QPSK	19975	1RB#24	-50.53	PASS
Band4	5MHz	QPSK	19975	25RB#0	-25.42	PASS
Band4	5MHz	QPSK	20375	1RB#0	-51.23	PASS
Band4	5MHz	QPSK	20375	1RB#24	-16.82	PASS
Band4	5MHz	QPSK	20375	25RB#0	-24.38	PASS
Band4	5MHz	16QAM	19975	1RB#0	-18.87	PASS
Band4	5MHz	16QAM	19975	1RB#24	-51.21	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.63	PASS
Band4	5MHz	16QAM	20375	1RB#0	-52.16	PASS
Band4	5MHz	16QAM	20375	1RB#24	-16.43	PASS

Band4	5MHz	16QAM	20375	25RB#0	-25.31	PASS
Band4	10MHz	QPSK	20000	1RB#0	-25.17	PASS
Band4	10MHz	QPSK	20000	1RB#49	-48.22	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.76	PASS
Band4	10MHz	QPSK	20350	1RB#0	-49.17	PASS
Band4	10MHz	QPSK	20350	1RB#49	-23.38	PASS
Band4	10MHz	QPSK	20350	50RB#0	-28.17	PASS
Band4	10MHz	16QAM	20000	1RB#0	-26.09	PASS
Band4	10MHz	16QAM	20000	1RB#49	-49.67	PASS
Band4	10MHz	16QAM	20000	50RB#0	-30.73	PASS
Band4	10MHz	16QAM	20350	1RB#0	-50.09	PASS
Band4	10MHz	16QAM	20350	1RB#49	-25.49	PASS
Band4	10MHz	16QAM	20350	50RB#0	-29.42	PASS
Band4	15MHz	QPSK	20025	1RB#0	-22.82	PASS
Band4	15MHz	QPSK	20025	1RB#74	-48.42	PASS
Band4	15MHz	QPSK	20025	75RB#0	-30.87	PASS
Band4	15MHz	QPSK	20325	1RB#0	-46.66	PASS
Band4	15MHz	QPSK	20325	1RB#74	-21.73	PASS
Band4	15MHz	QPSK	20325	75RB#0	-29.39	PASS
Band4	15MHz	16QAM	20025	1RB#0	-23.71	PASS
Band4	15MHz	16QAM	20025	1RB#74	-48.21	PASS
Band4	15MHz	16QAM	20025	75RB#0	-33.05	PASS
Band4	15MHz	16QAM	20325	1RB#0	-48.07	PASS
Band4	15MHz	16QAM	20325	1RB#74	-22.27	PASS
Band4	15MHz	16QAM	20325	75RB#0	-31.61	PASS
Band4	20MHz	QPSK	20050	1RB#0	-25.97	PASS
Band4	20MHz	QPSK	20050	1RB#99	-50.04	PASS
Band4	20MHz	QPSK	20050	100RB#0	-32.27	PASS
Band4	20MHz	QPSK	20300	1RB#0	-49.67	PASS
Band4	20MHz	QPSK	20300	1RB#99	-24.58	PASS
Band4	20MHz	QPSK	20300	100RB#0	-30.73	PASS
Band4	20MHz	16QAM	20050	1RB#0	-25.88	PASS
Band4	20MHz	16QAM	20050	1RB#99	-50.05	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.59	PASS
Band4	20MHz	16QAM	20300	1RB#0	-49.91	PASS
Band4	20MHz	16QAM	20300	1RB#99	-25.67	PASS
Band4	20MHz	16QAM	20300	100RB#0	-32.24	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0

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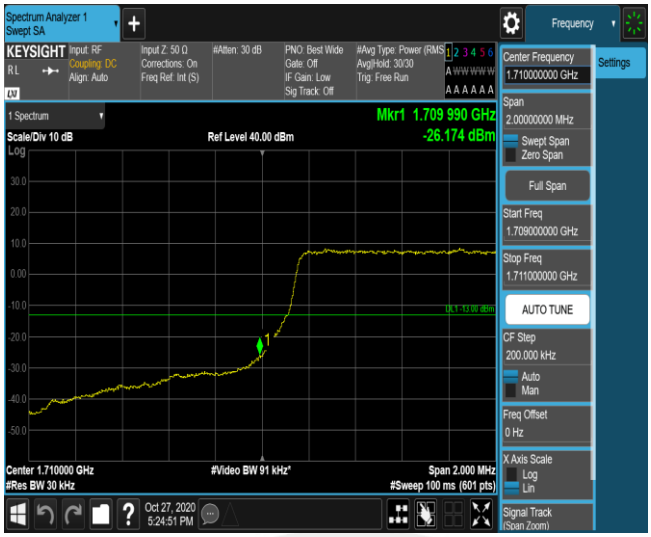
Band4-1.4MHz-QPSK-19957-6RB#0



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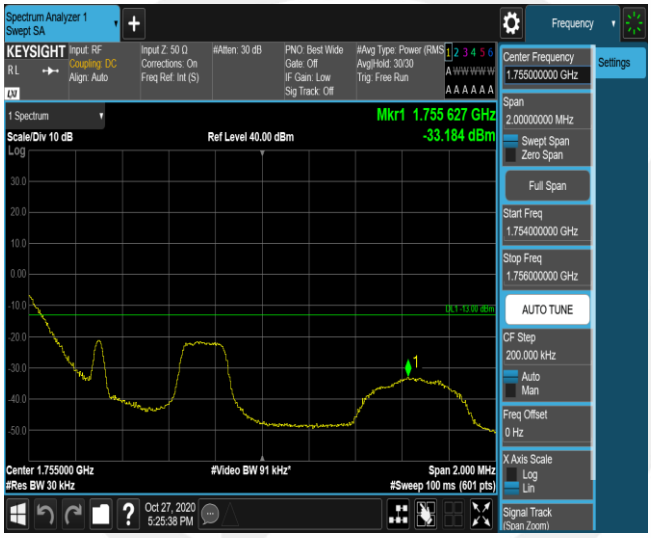

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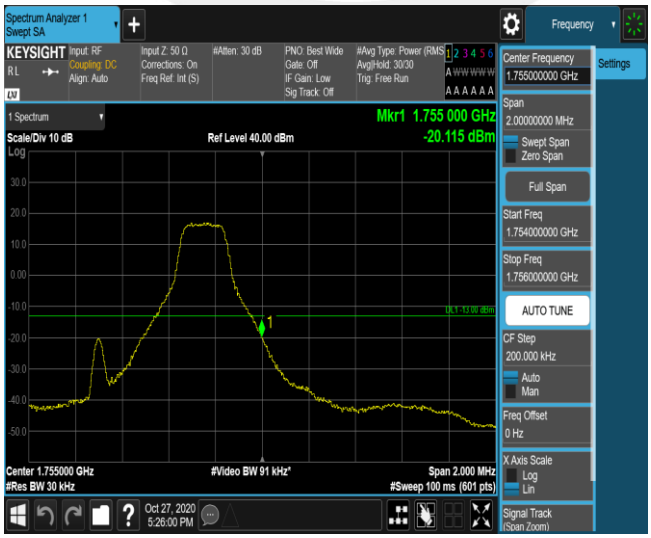
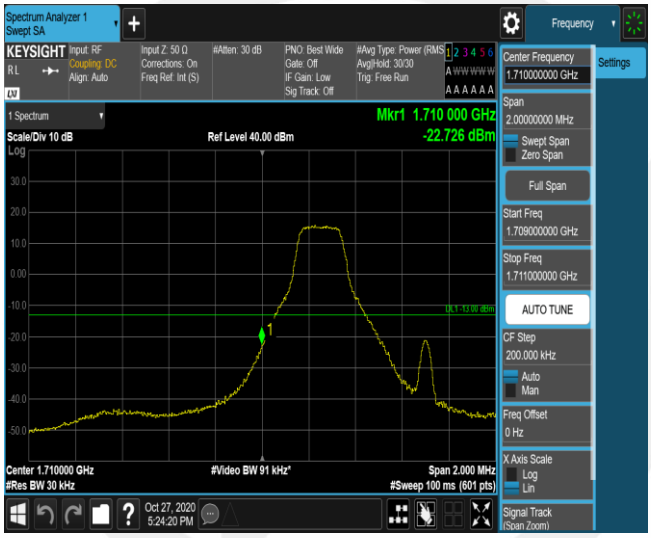


Band4-1.4MHz-QPSK-20393-6RB#0

Band4-1.4MHz-16QAM-19957-1RB#0

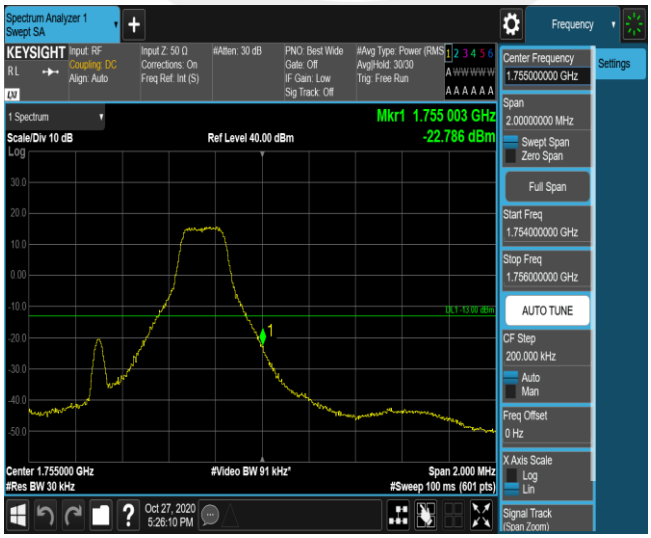


Band4-1.4MHz-16QAM-19957-1RB#5

Band4-1.4MHz-16QAM-19957-6RB#0

Band4-1.4MHz-16QAM-20393-1RB#0

Band4-1.4MHz-16QAM-20393-1RB#5



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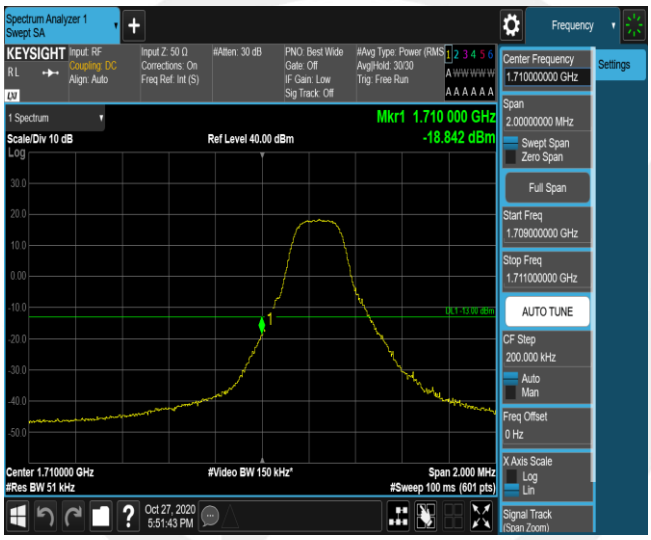

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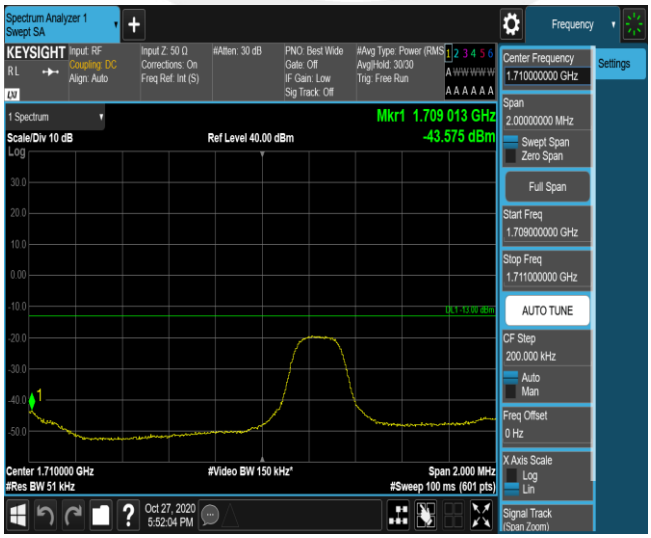

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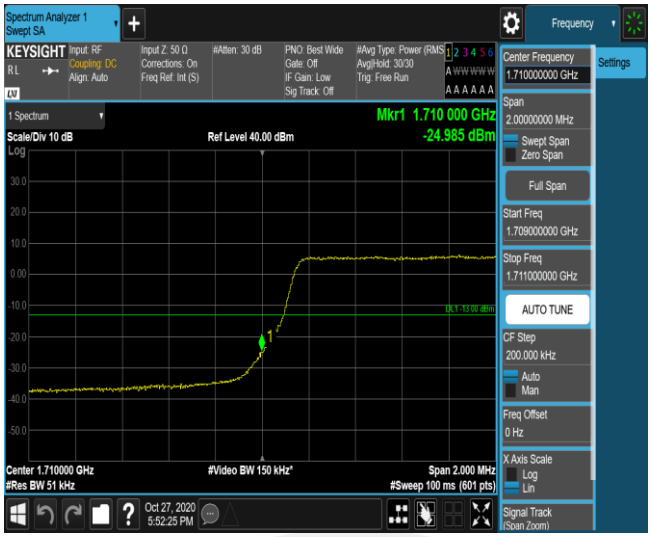

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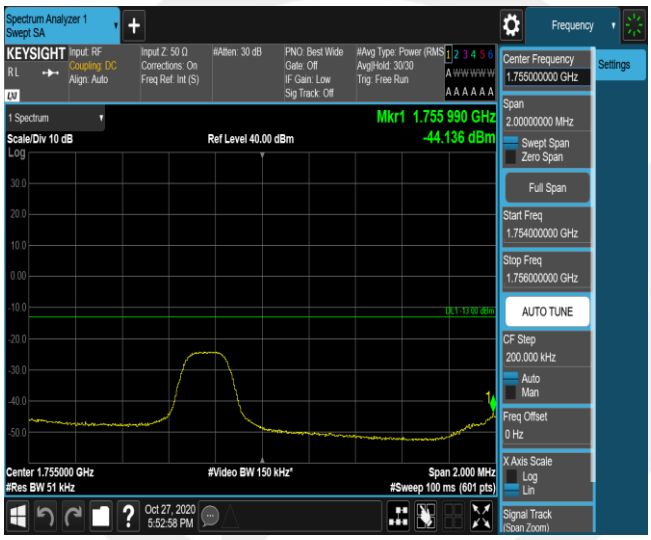

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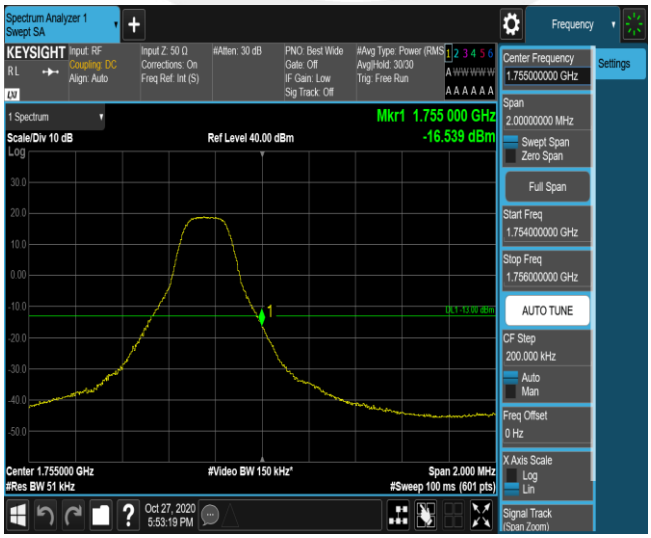

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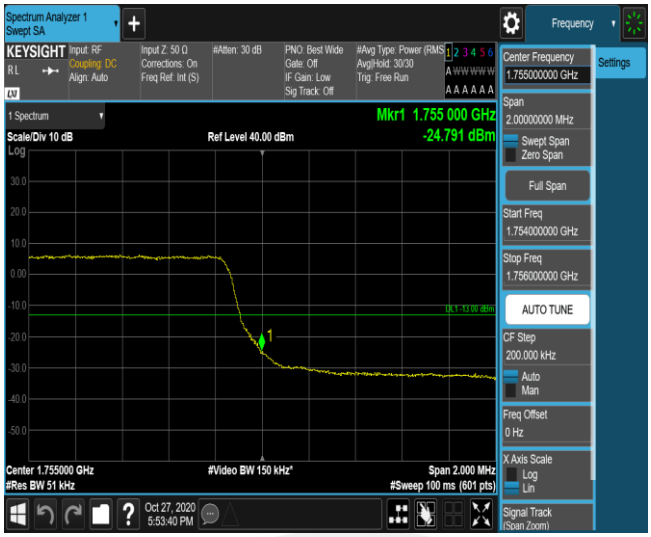

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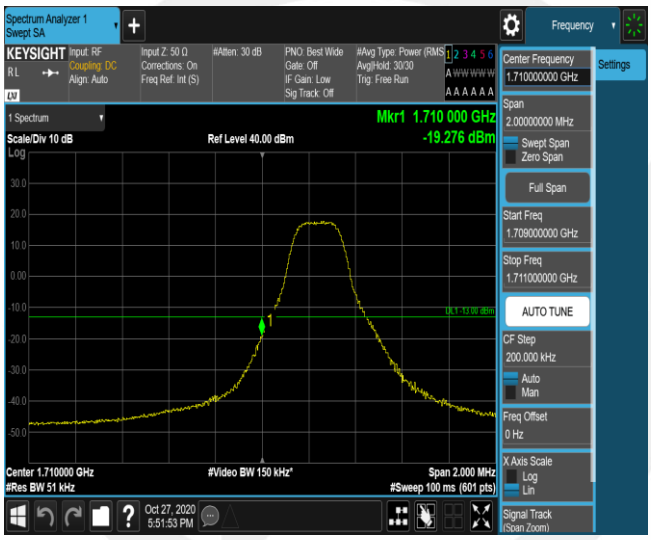

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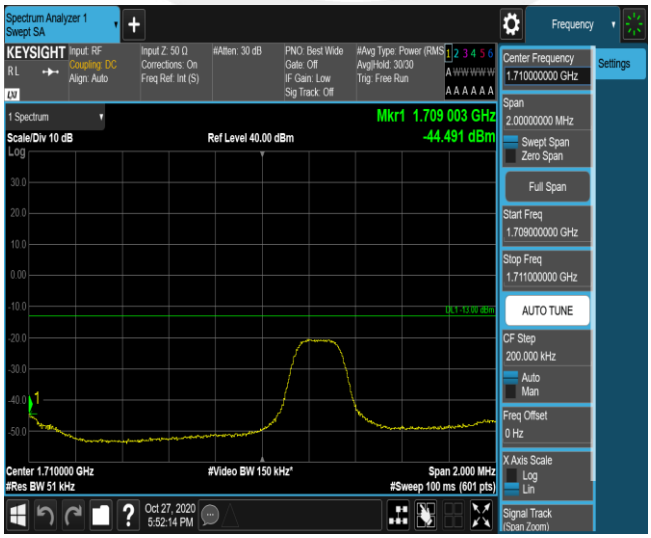

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