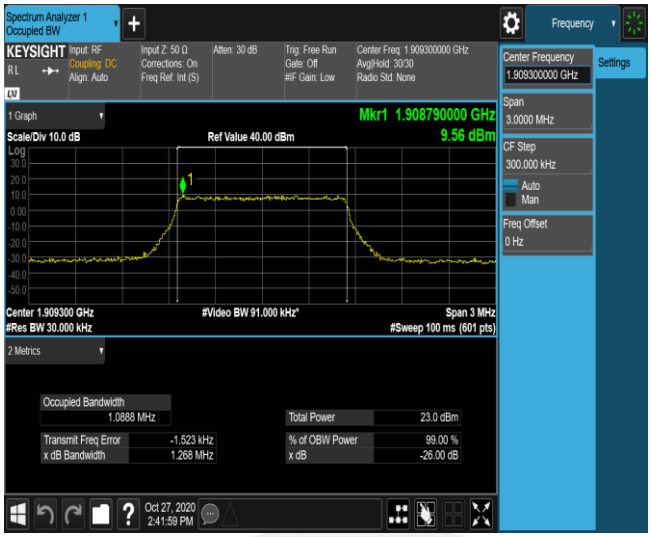
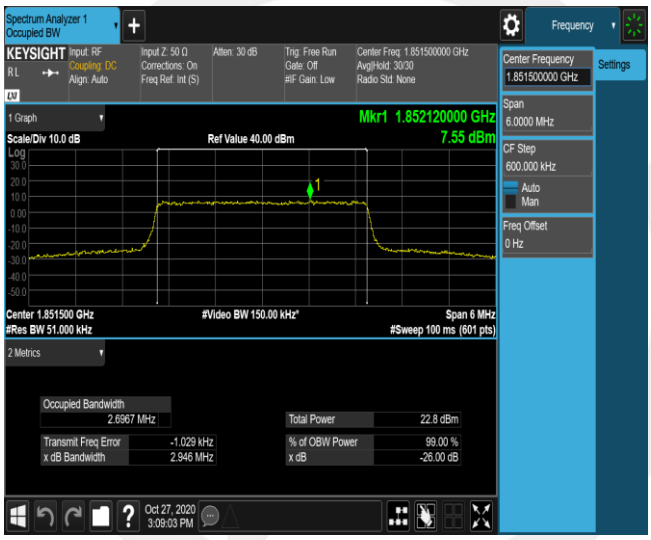


Band2-3MHz-QPSK-18615-15RB#0-2.6967



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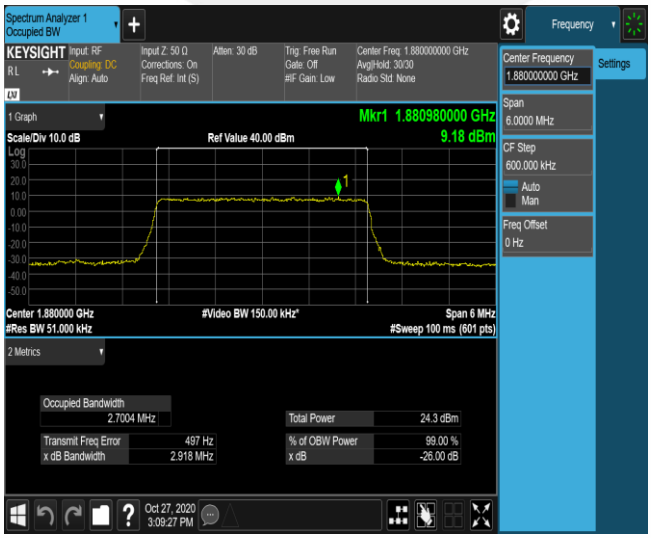
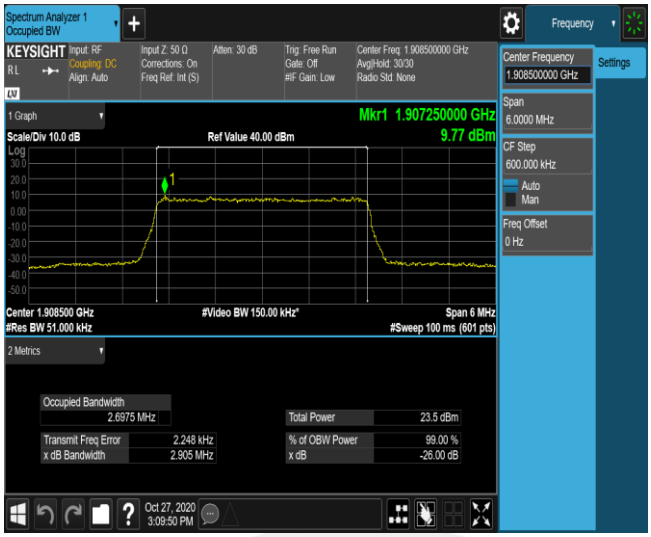


Band2-3MHz-QPSK-19185-15RB#0-2.6975



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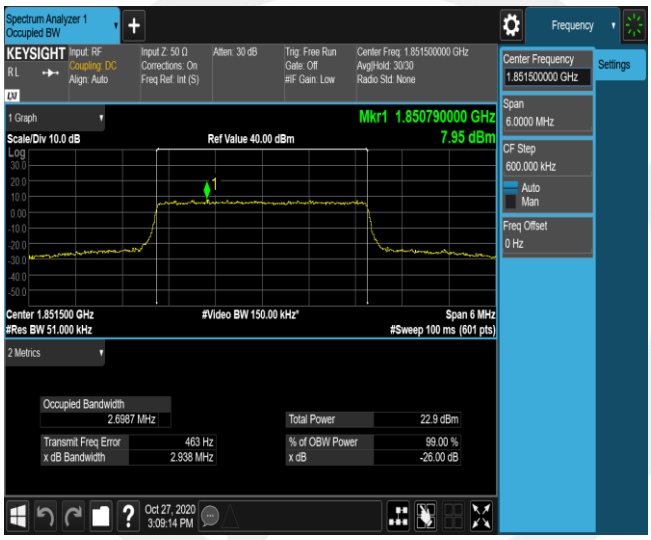

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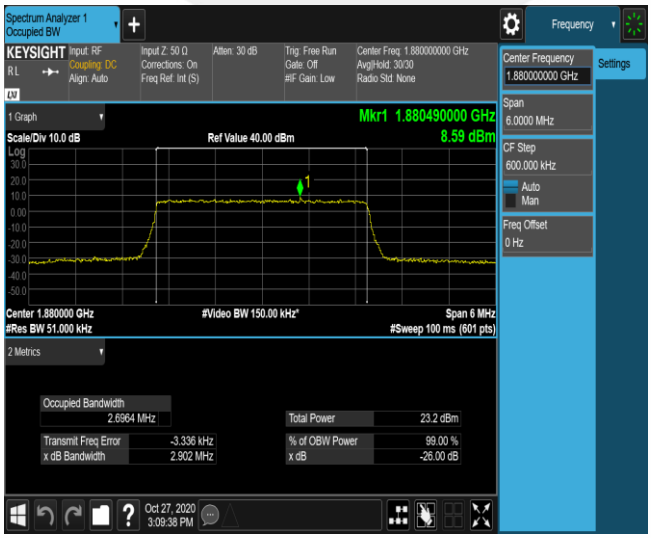

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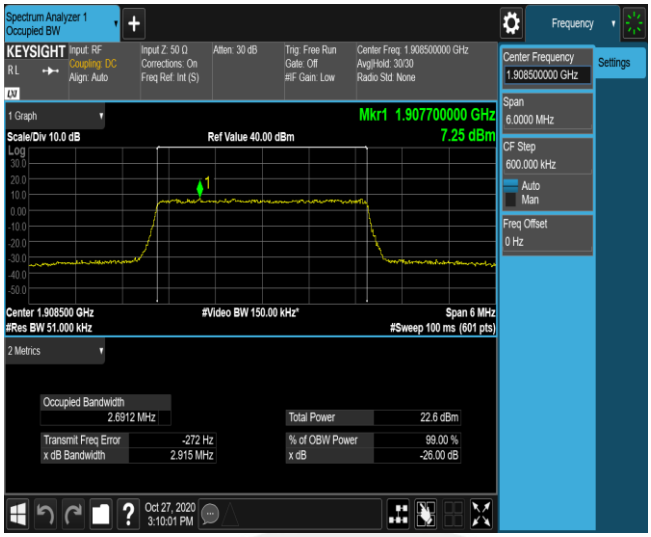
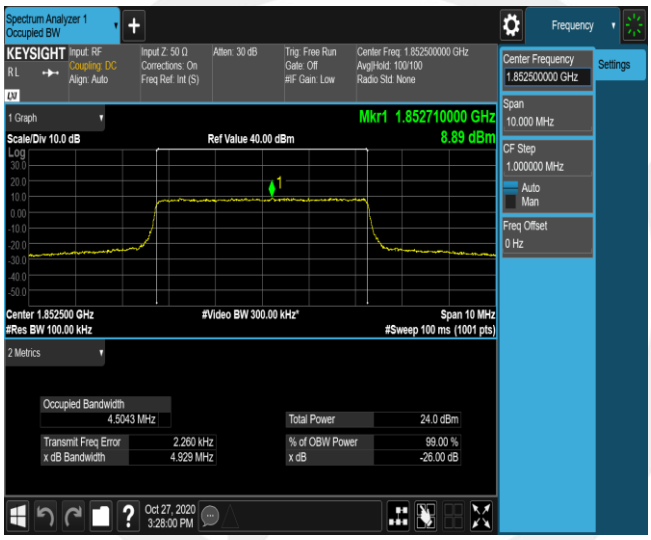


Band2-5MHz-QPSK-18625-25RB#0-4.5043



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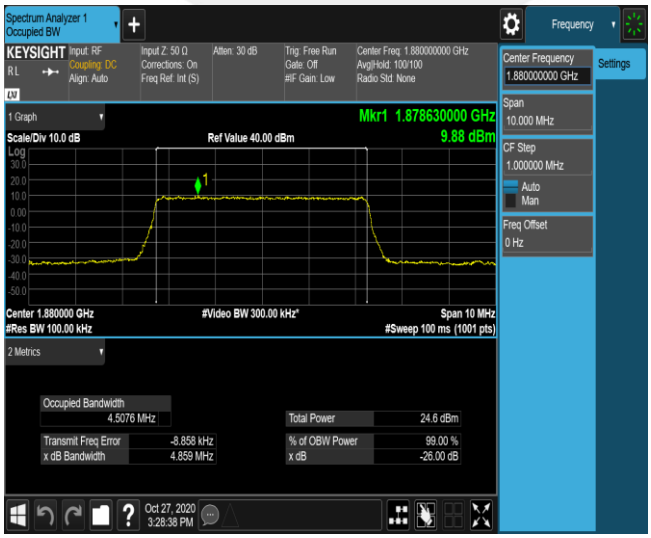

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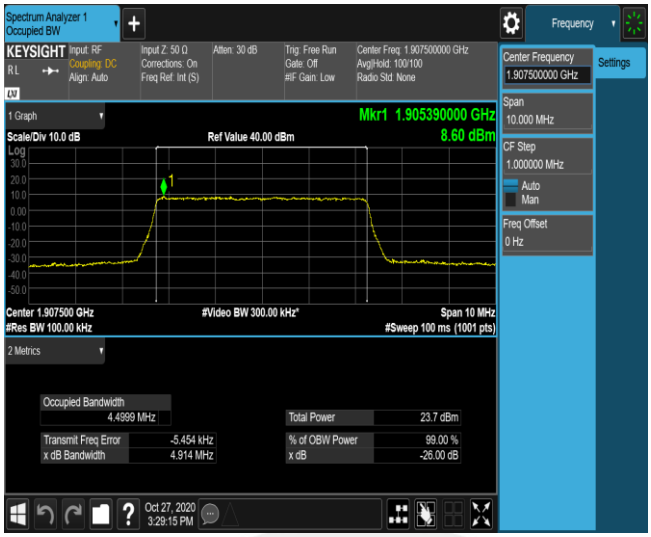

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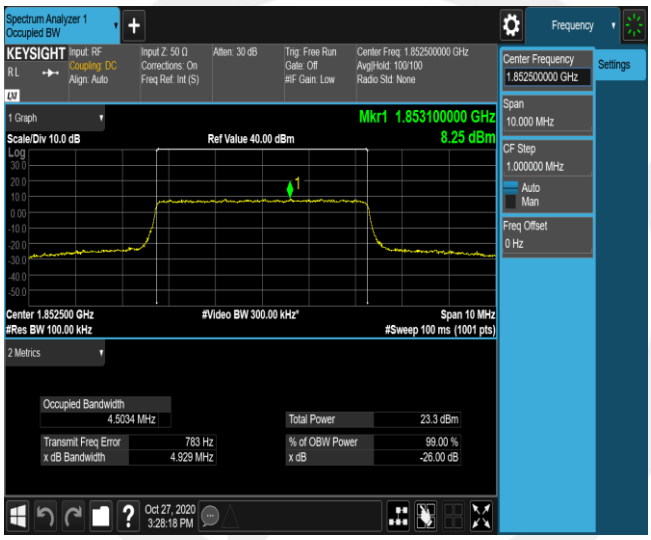
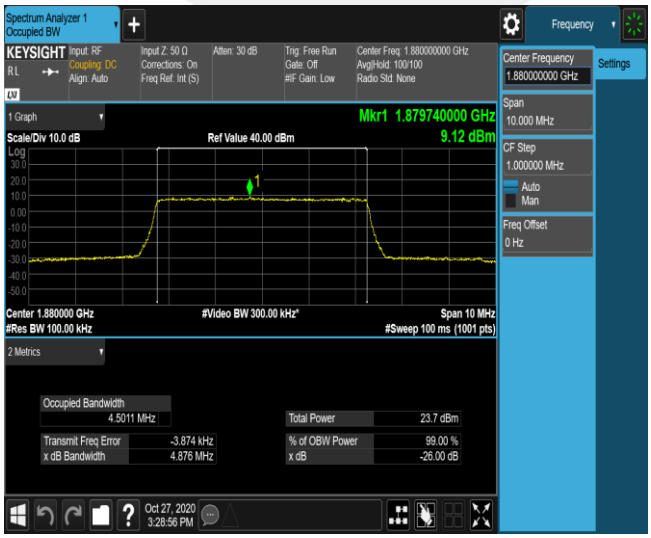
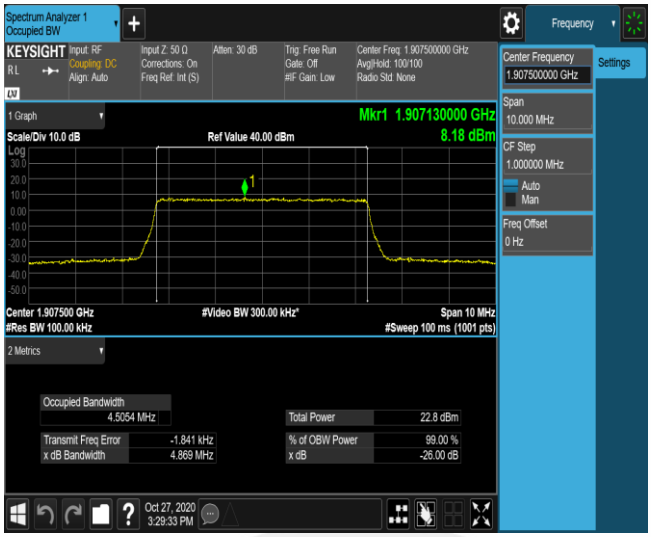


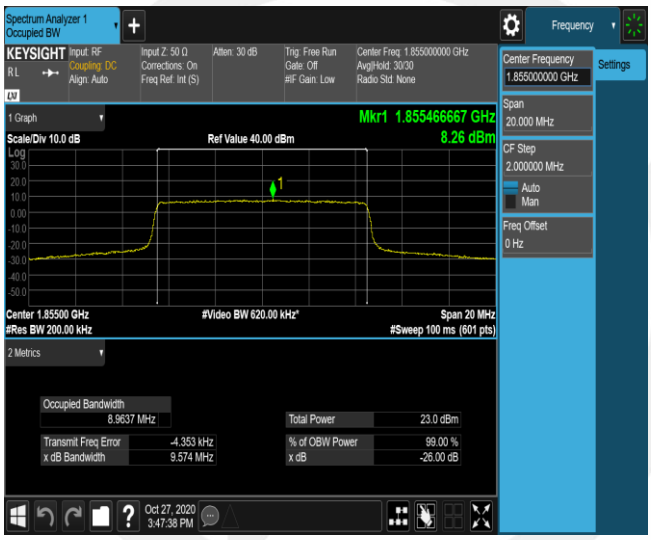
Band2-5MHz-16QAM-18900-25RB#0-4.5011



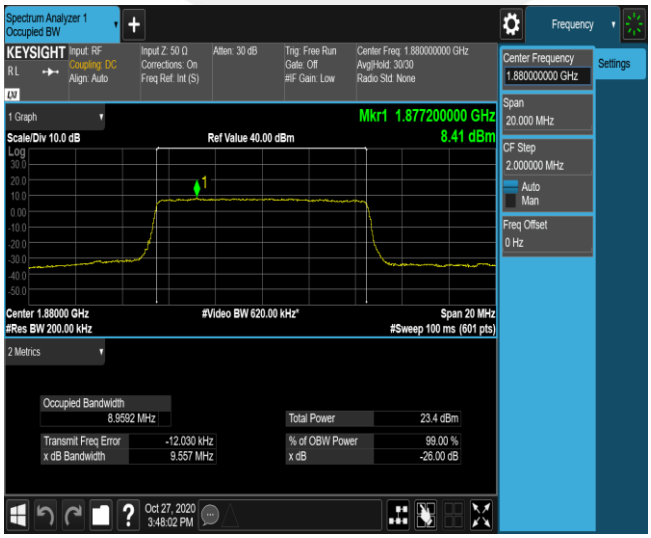
Band2-5MHz-16QAM-19175-25RB#0-4.5054



Band2-10MHz-QPSK-18650-50RB#0-8.9637



Band2-10MHz-QPSK-18900-50RB#0-8.9592



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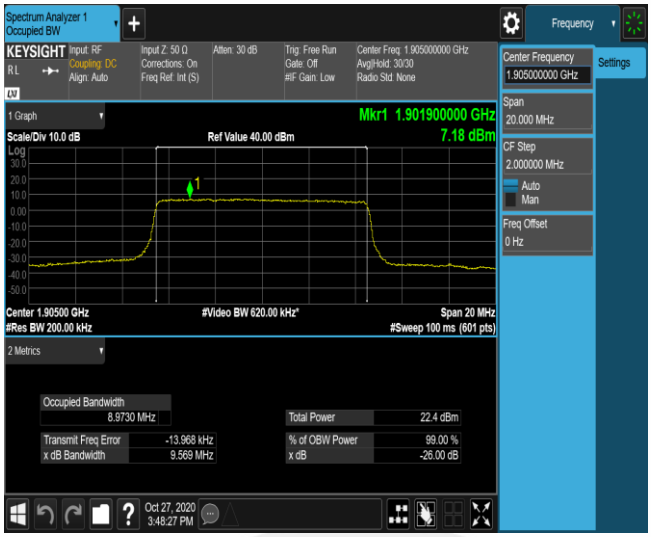

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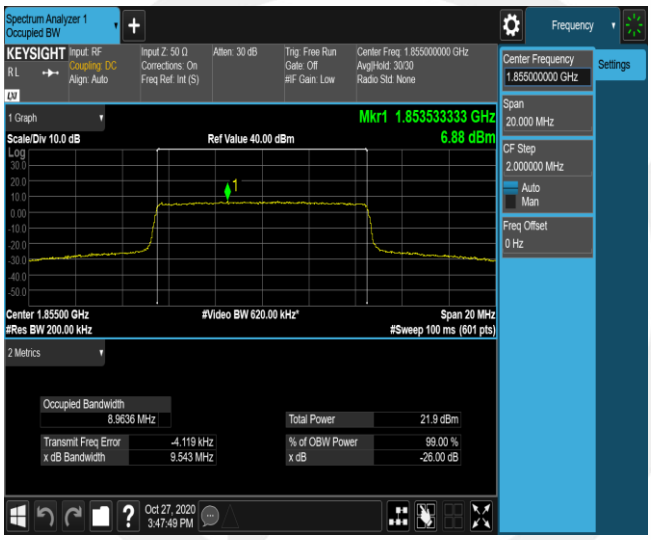
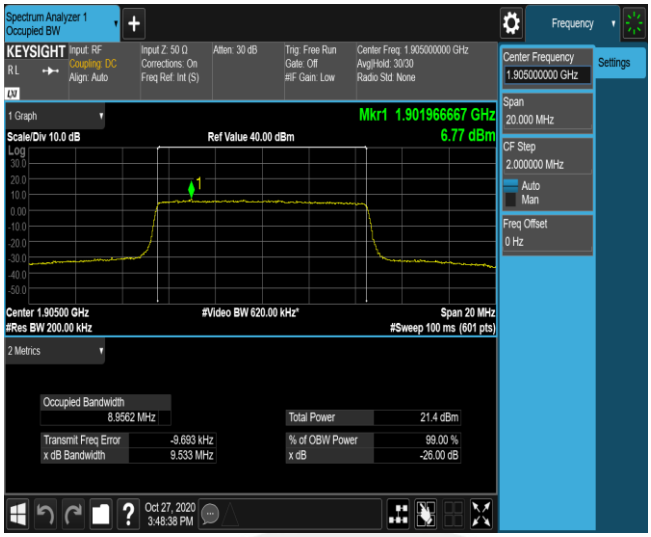


Band2-10MHz-16QAM-18900-50RB#0-8.9555

Band2-10MHz-16QAM-19150-50RB#0-8.9562



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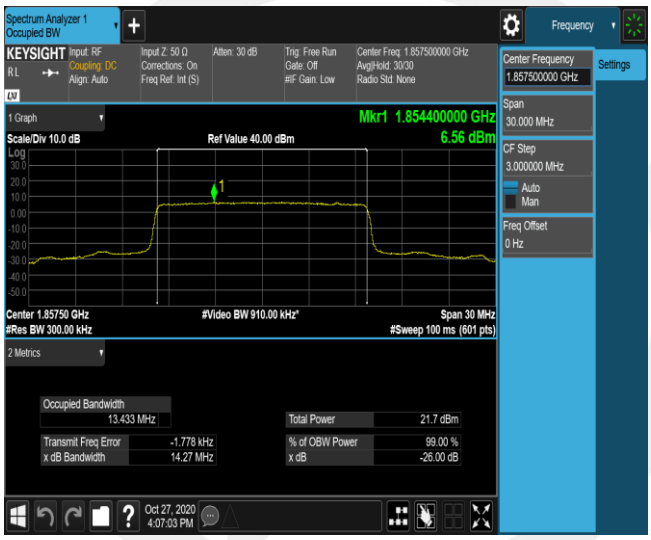

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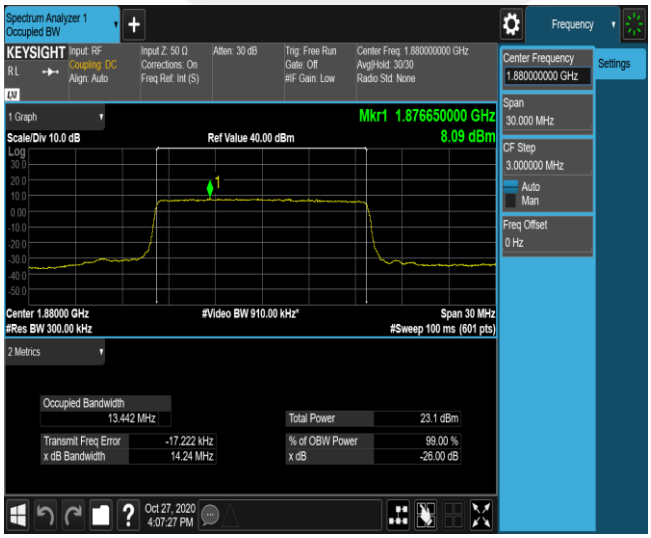
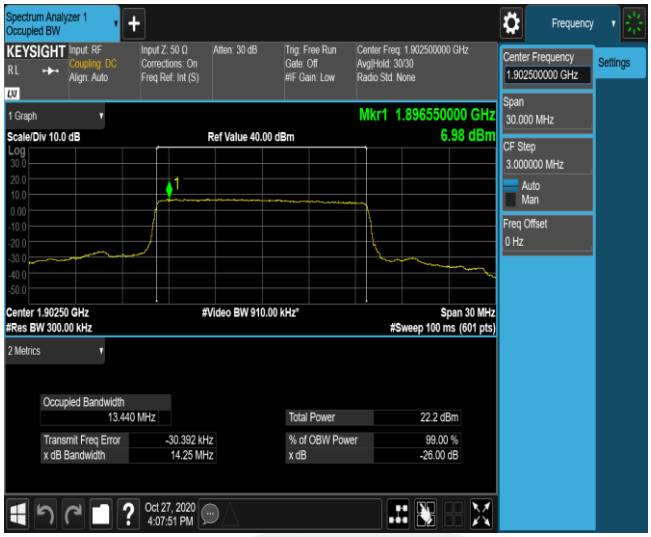


Band2-15MHz-QPSK-19125-75RB#0-13.440



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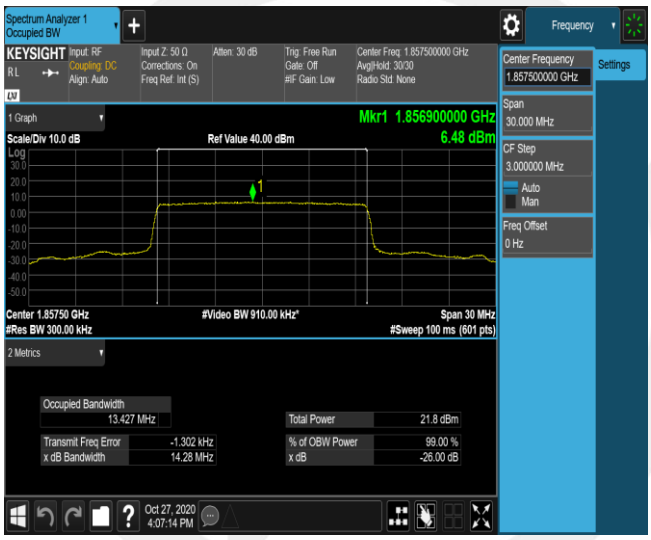

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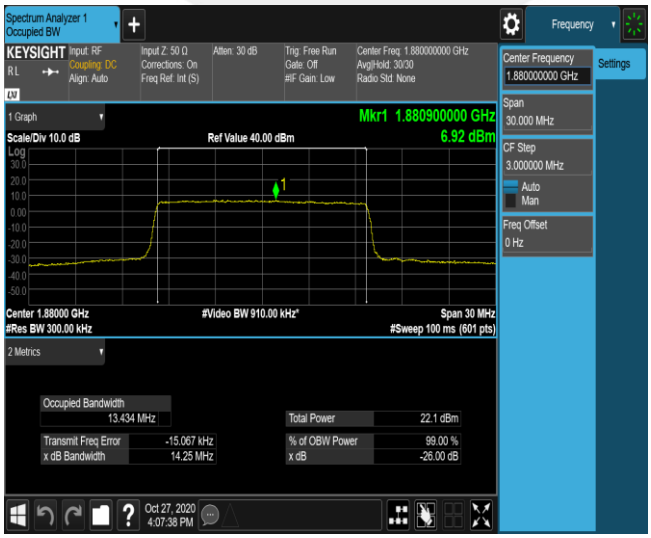

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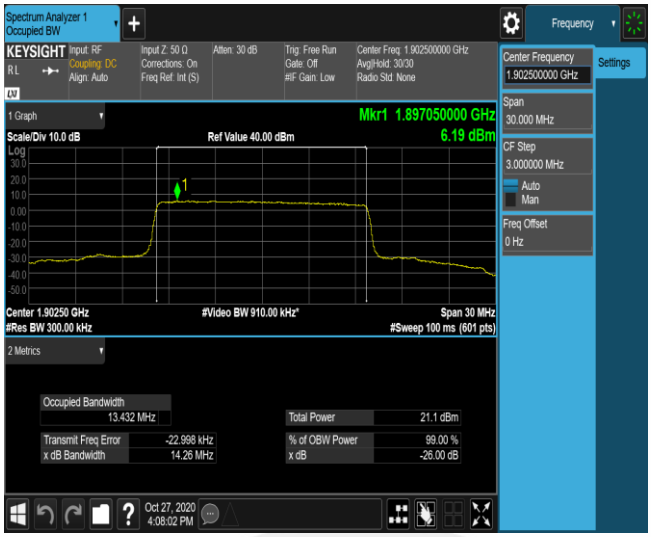
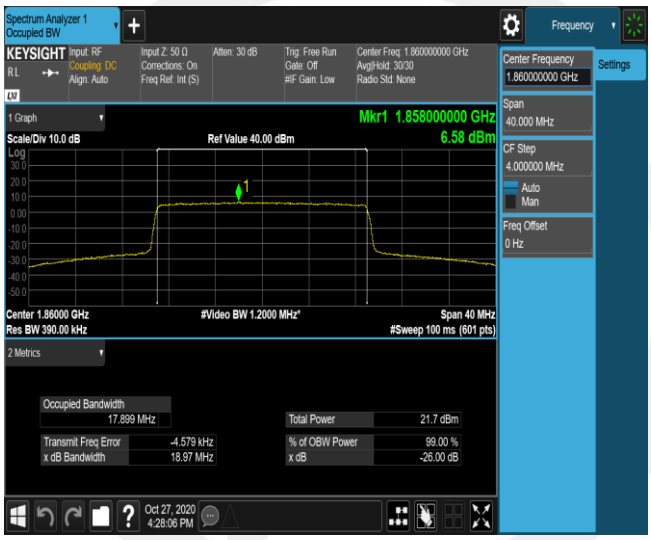


Band2-20MHz-QPSK-18700-100RB#0-17.899



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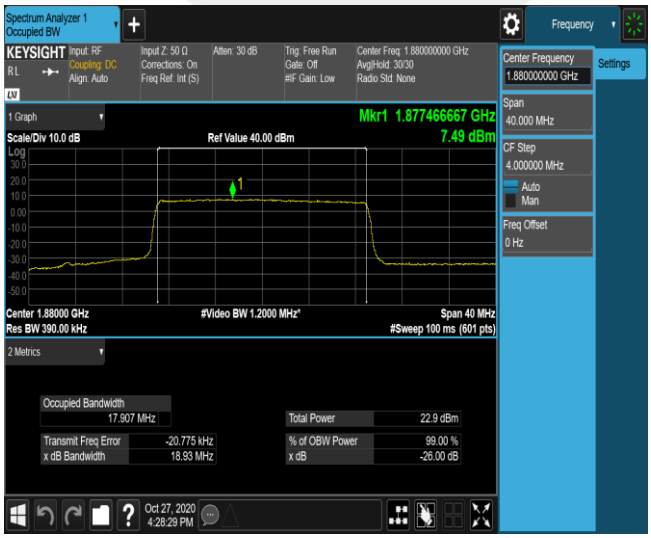
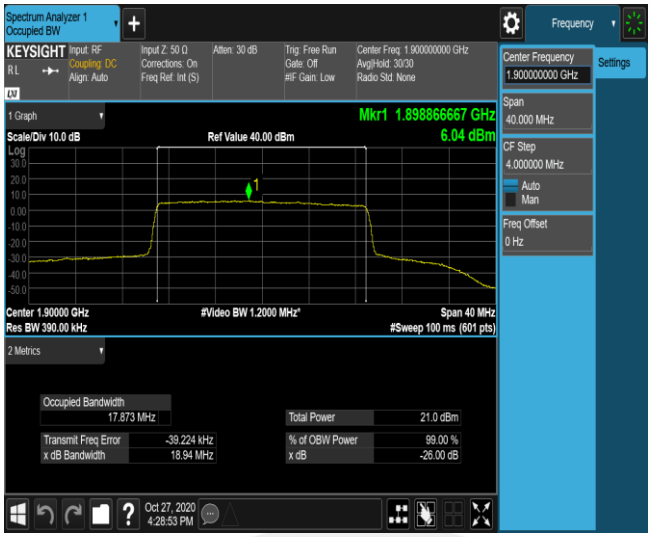


Band2-20MHz-QPSK-19100-100RB#0-17.873



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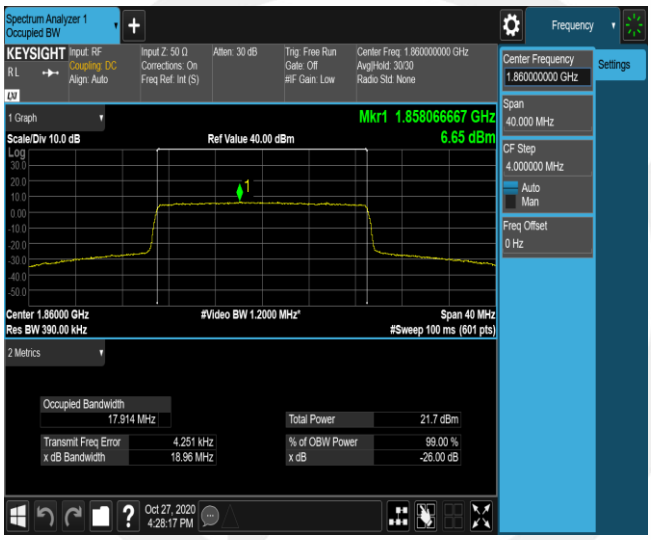

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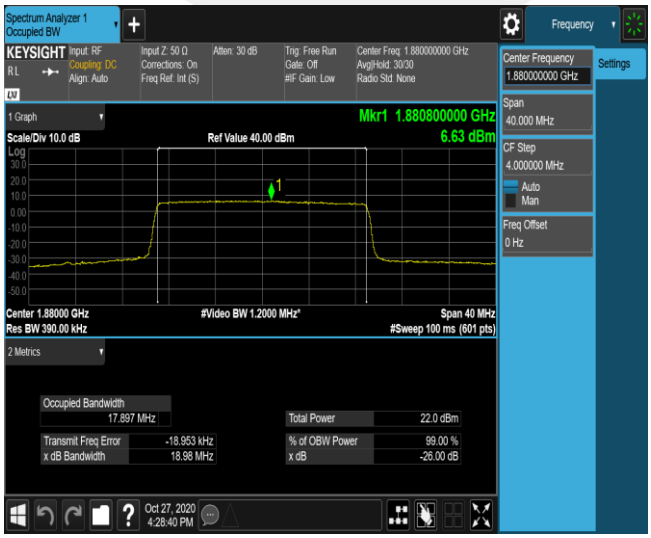


Band2-20MHz-16QAM-19100-100RB#0-17.881

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: 1.900000000 GHz
Avg|Hold: 30/30
Radio Std: None
Frequency
Settings
Center Frequency
1.900000000 GHz
Span
40.000 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Mkr1 1.897600000 GHz
5.98 dBm
Scale/Div 10.0 dB
Ref Value 40.00 dBm
Log
Center 1.90000 GHz
Res BW 390.00 kHz
#Video BW 1.2000 MHz*
Span 40 MHz
#Sweep 100 ms (601 pts)
2 Metrics
Occupied Bandwidth
17.881 MHz
Total Power
20.9 dBm
Transmit Freq Error
-39.284 kHz
x dB Bandwidth
18.94 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Oct 27, 2020
4:29:04 PM

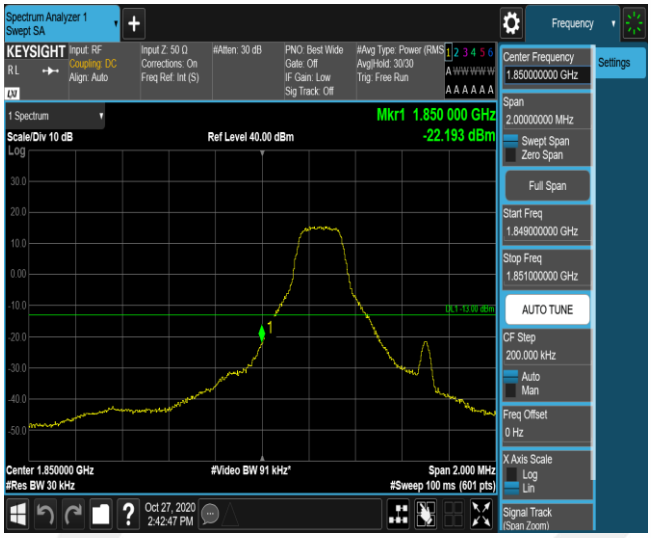
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-22.19	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-38.81	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-23.28	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-33.82	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-23.75	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-28.94	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-23.10	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-40.15	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-24.24	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-35.62	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-23.37	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-29.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	-17.07	PASS
Band2	3MHz	QPSK	18615	1RB#14	-44.16	PASS
Band2	3MHz	QPSK	18615	15RB#0	-22.32	PASS
Band2	3MHz	QPSK	19185	1RB#0	-44.59	PASS
Band2	3MHz	QPSK	19185	1RB#14	-17.87	PASS
Band2	3MHz	QPSK	19185	15RB#0	-27.98	PASS
Band2	3MHz	16QAM	18615	1RB#0	-18.04	PASS
Band2	3MHz	16QAM	18615	1RB#14	-45.68	PASS
Band2	3MHz	16QAM	18615	15RB#0	-23.71	PASS
Band2	3MHz	16QAM	19185	1RB#0	-45.23	PASS
Band2	3MHz	16QAM	19185	1RB#14	-19.56	PASS
Band2	3MHz	16QAM	19185	15RB#0	-27.71	PASS
Band2	5MHz	QPSK	18625	1RB#0	-17.29	PASS
Band2	5MHz	QPSK	18625	1RB#24	-51.23	PASS
Band2	5MHz	QPSK	18625	25RB#0	-22.84	PASS
Band2	5MHz	QPSK	19175	1RB#0	-48.50	PASS
Band2	5MHz	QPSK	19175	1RB#24	-18.30	PASS
Band2	5MHz	QPSK	19175	25RB#0	-26.39	PASS
Band2	5MHz	16QAM	18625	1RB#0	-18.63	PASS
Band2	5MHz	16QAM	18625	1RB#24	-51.40	PASS
Band2	5MHz	16QAM	18625	25RB#0	-24.20	PASS
Band2	5MHz	16QAM	19175	1RB#0	-50.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	-18.89	PASS

Band2	5MHz	16QAM	19175	25RB#0	-27.43	PASS
Band2	10MHz	QPSK	18650	1RB#0	-23.53	PASS
Band2	10MHz	QPSK	18650	1RB#49	-49.25	PASS
Band2	10MHz	QPSK	18650	50RB#0	-23.98	PASS
Band2	10MHz	QPSK	19150	1RB#0	-50.52	PASS
Band2	10MHz	QPSK	19150	1RB#49	-24.77	PASS
Band2	10MHz	QPSK	19150	50RB#0	-30.27	PASS
Band2	10MHz	16QAM	18650	1RB#0	-25.33	PASS
Band2	10MHz	16QAM	18650	1RB#49	-50.37	PASS
Band2	10MHz	16QAM	18650	50RB#0	-25.02	PASS
Band2	10MHz	16QAM	19150	1RB#0	-50.75	PASS
Band2	10MHz	16QAM	19150	1RB#49	-26.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	-30.31	PASS
Band2	15MHz	QPSK	18675	1RB#0	-22.50	PASS
Band2	15MHz	QPSK	18675	1RB#74	-49.42	PASS
Band2	15MHz	QPSK	18675	75RB#0	-24.37	PASS
Band2	15MHz	QPSK	19125	1RB#0	-48.89	PASS
Band2	15MHz	QPSK	19125	1RB#74	-23.87	PASS
Band2	15MHz	QPSK	19125	75RB#0	-29.72	PASS
Band2	15MHz	16QAM	18675	1RB#0	-23.77	PASS
Band2	15MHz	16QAM	18675	1RB#74	-48.97	PASS
Band2	15MHz	16QAM	18675	75RB#0	-25.84	PASS
Band2	15MHz	16QAM	19125	1RB#0	-49.49	PASS
Band2	15MHz	16QAM	19125	1RB#74	-23.46	PASS
Band2	15MHz	16QAM	19125	75RB#0	-30.16	PASS
Band2	20MHz	QPSK	18700	1RB#0	-25.23	PASS
Band2	20MHz	QPSK	18700	1RB#99	-49.70	PASS
Band2	20MHz	QPSK	18700	100RB#0	-25.54	PASS
Band2	20MHz	QPSK	19100	1RB#0	-50.14	PASS
Band2	20MHz	QPSK	19100	1RB#99	-26.23	PASS
Band2	20MHz	QPSK	19100	100RB#0	-30.28	PASS
Band2	20MHz	16QAM	18700	1RB#0	-24.30	PASS
Band2	20MHz	16QAM	18700	1RB#99	-49.64	PASS
Band2	20MHz	16QAM	18700	100RB#0	-26.81	PASS
Band2	20MHz	16QAM	19100	1RB#0	-50.28	PASS
Band2	20MHz	16QAM	19100	1RB#99	-27.38	PASS
Band2	20MHz	16QAM	19100	100RB#0	-29.73	PASS

Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0

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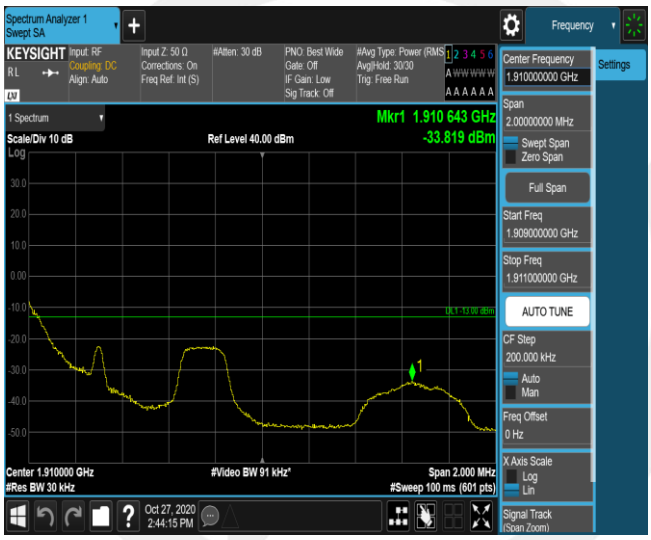
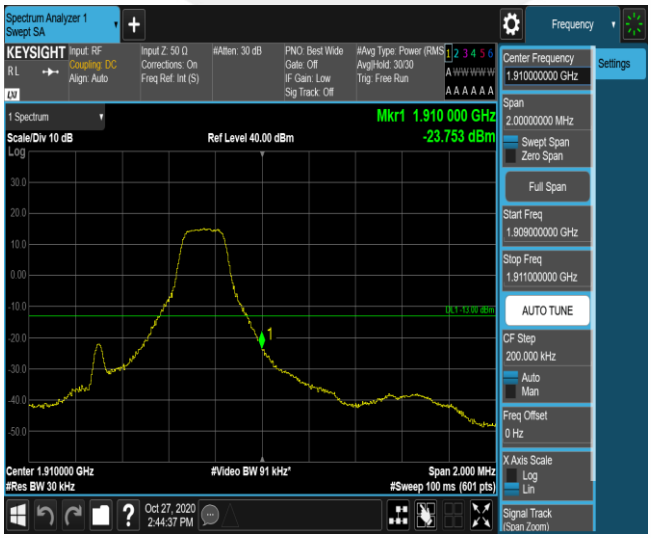
Band2-1.4MHz-QPSK-18607-6RB#0

Band2-1.4MHz-QPSK-19193-1RB#0

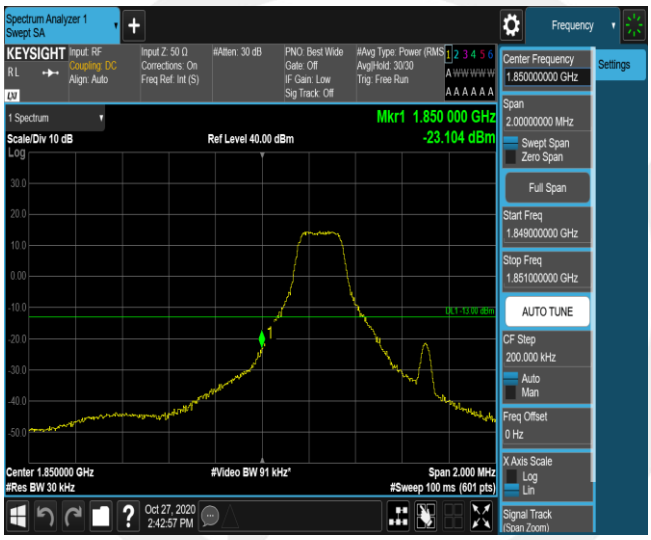


Band2-1.4MHz-QPSK-19193-1RB#5



Band2-1.4MHz-QPSK-19193-6RB#0

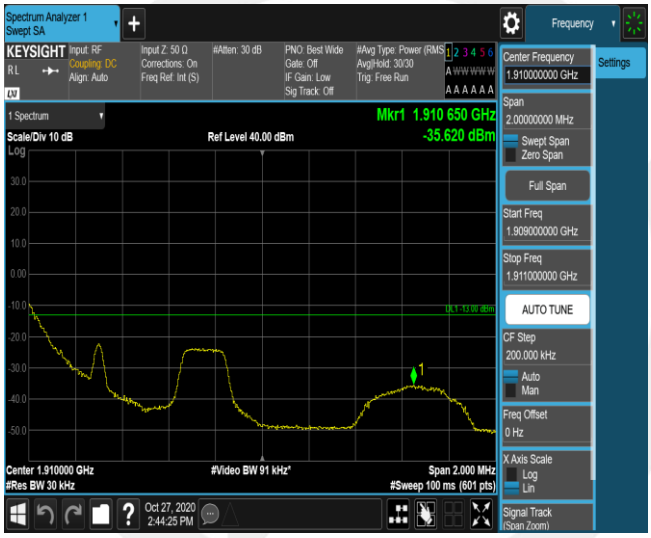
Band2-1.4MHz-16QAM-18607-1RB#0



Band2-1.4MHz-16QAM-18607-1RB#5

Band2-1.4MHz-16QAM-18607-6RB#0

Band2-1.4MHz-16QAM-19193-1RB#0



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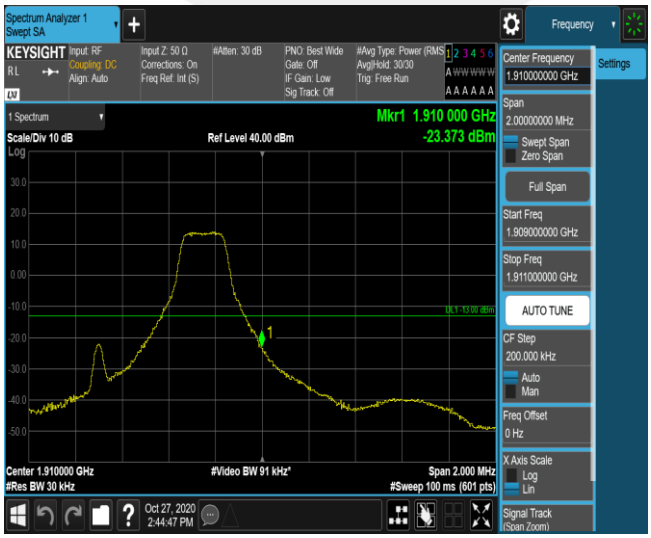
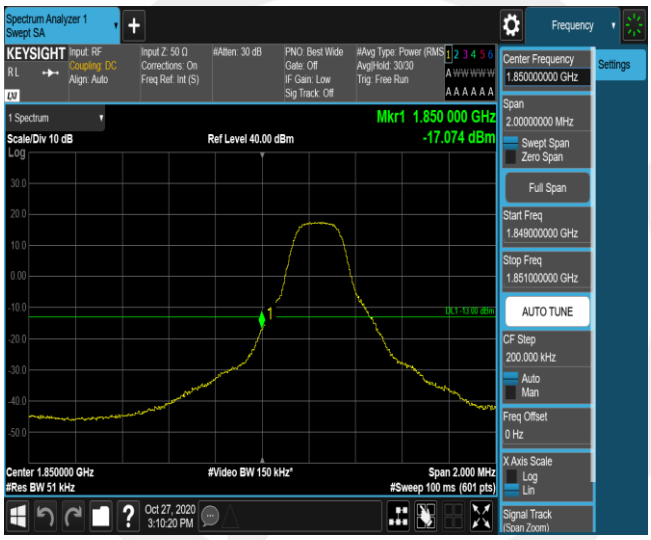


Band2-1.4MHz-16QAM-19193-6RB#0

Band2-3MHz-QPSK-18615-1RB#0



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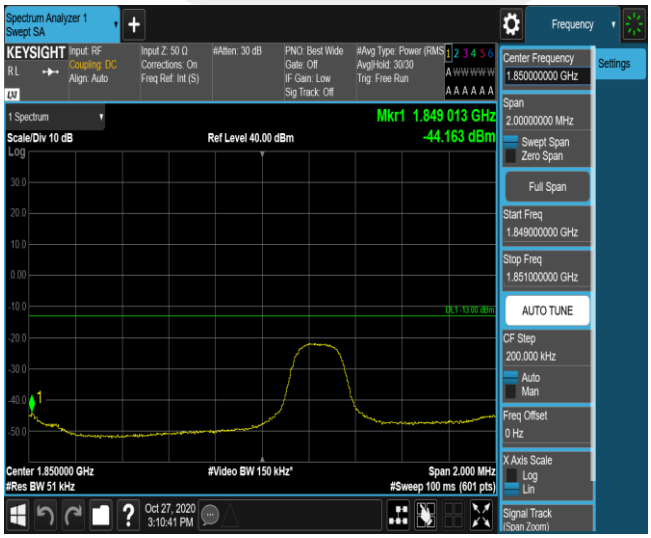

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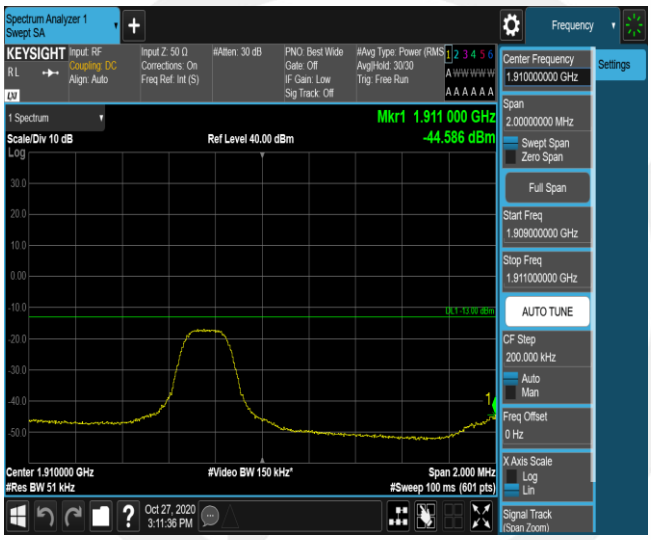

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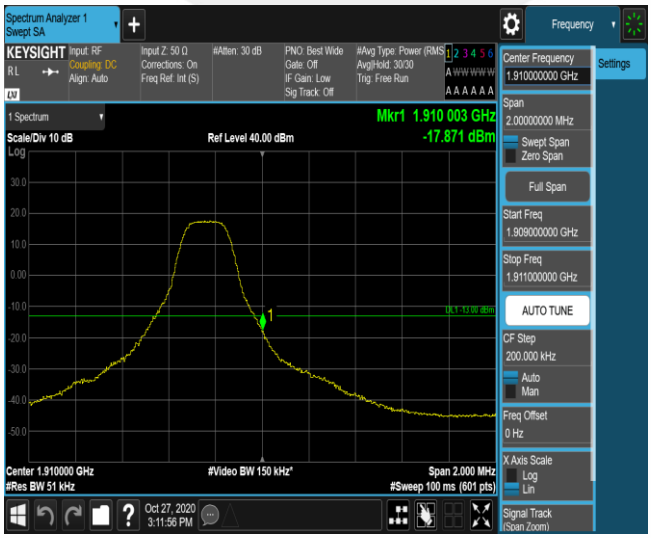

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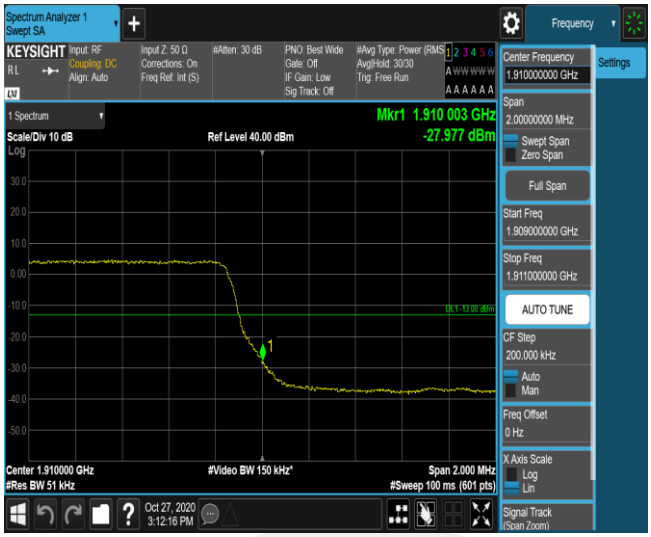

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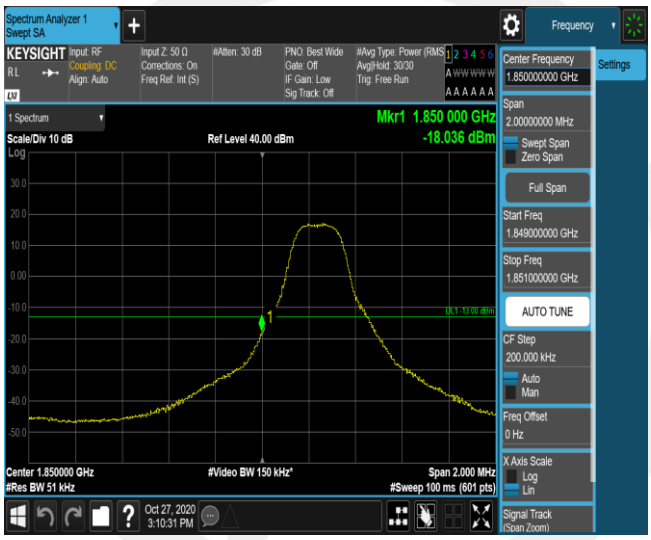

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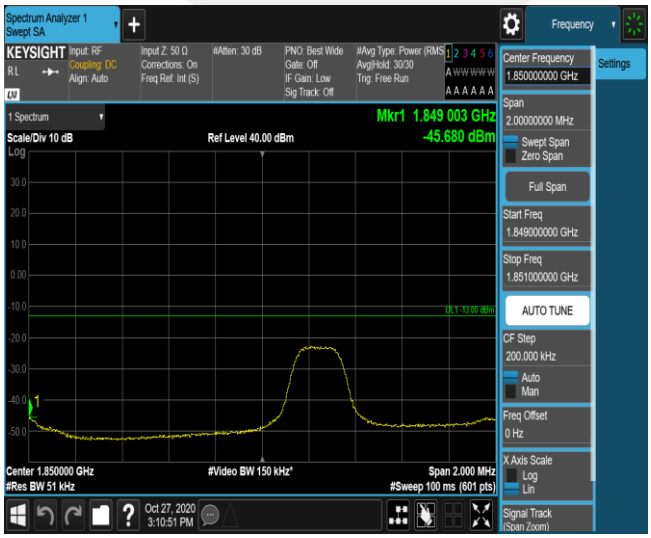

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