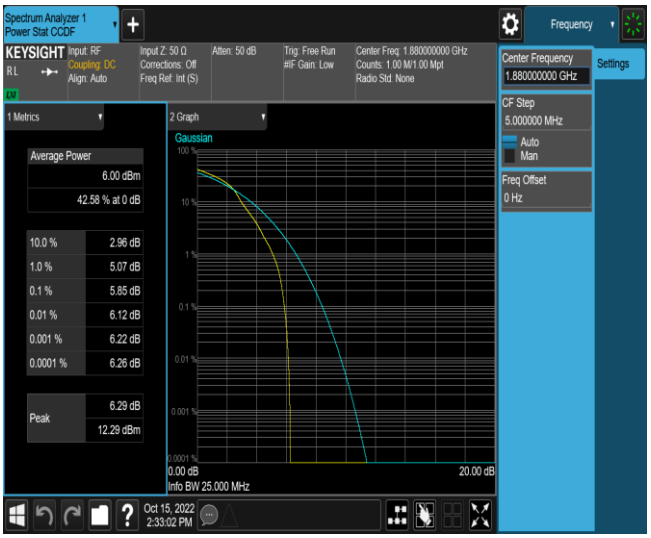
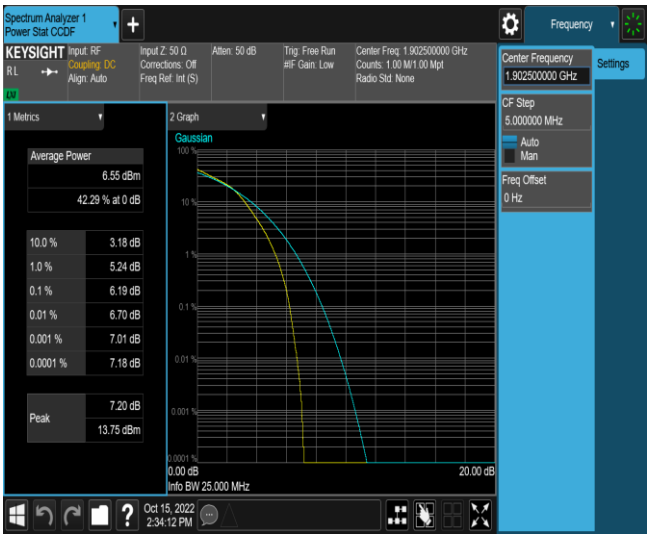


Band2-15MHz-16QAM-18900-75RB#0

Band2-15MHz-16QAM-19125-1RB#0

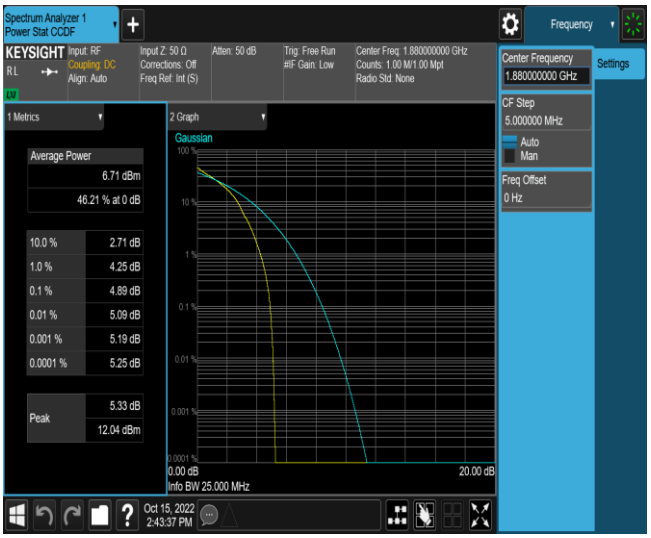
Band2-15MHz-16QAM-19125-75RB#0



Band2-20MHz-QPSK-18700-1RB#0

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

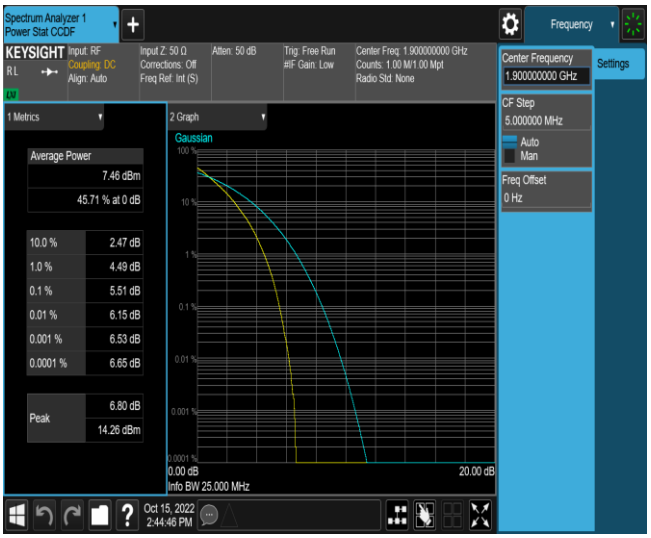
Band2-20MHz-QPSK-18900-1RB#0



Band2-20MHz-QPSK-18900-100RB#0

Band2-20MHz-QPSK-19100-1RB#0

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



Band2-20MHz-16QAM-18700-1RB#0

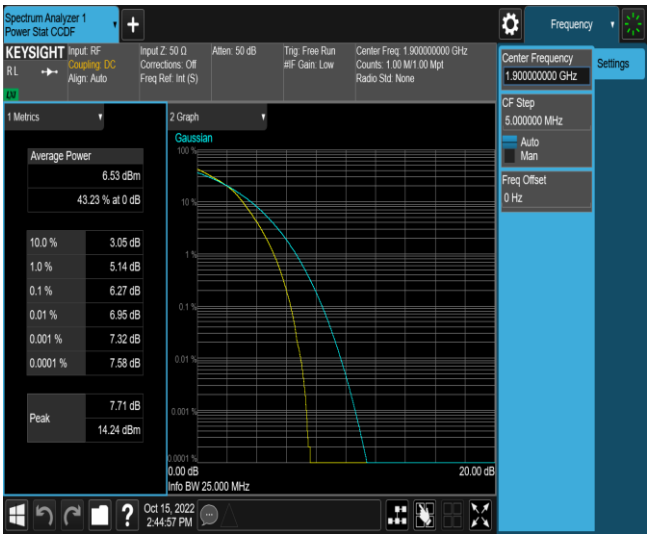
Band2-20MHz-16QAM-18700-100RB#0

Band2-20MHz-16QAM-18900-1RB#0

Band2-20MHz-16QAM-18900-100RB#0

Band2-20MHz-16QAM-19100-1RB#0

Band2-20MHz-16QAM-19100-100RB#0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Frequency
KEYSIGHT
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Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 50 dB
Trig: Free Run
#IF Gain: Low
Center Freq: 1.900000000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None
Center Frequency
1.900000000 GHz
Settings
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Metrics
2 Graph
Gaussian
Average Power
6.53 dBm
43.23 % at 0 dB
10.0 % 3.05 dB
1.0 % 5.14 dB
0.1 % 6.27 dB
0.01 % 6.95 dB
0.001 % 7.32 dB
0.0001 % 7.58 dB
Peak
7.71 dB
14.24 dBm
0.00 dB
20.00 dB
Info BW 25.000 MHz
Oct 15, 2022
2:44:57 PM

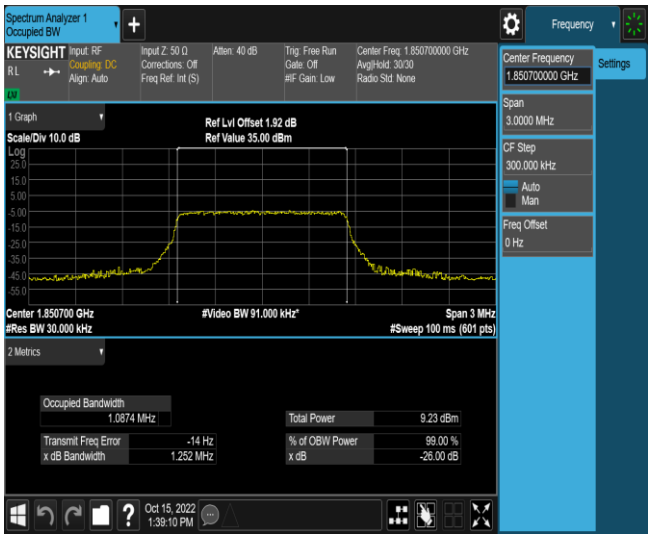
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0874	1.252	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0915	1.250	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0890	1.258	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0885	1.265	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0897	1.263	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0871	1.240	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6877	2.845	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6944	2.859	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6923	2.861	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6842	2.852	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6875	2.881	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6869	2.875	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4954	4.830	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5019	4.823	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5083	4.786	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5046	4.790	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5015	4.845	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5071	4.805	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9885	9.526	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9919	9.531	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9784	9.522	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9765	9.513	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9913	9.541	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9687	9.522	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.483	14.27	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.474	14.27	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.482	14.25	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.480	14.24	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.470	14.26	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.477	14.27	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.979	18.98	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.934	19.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.971	18.98	PASS

Band2	20MHz	16QAM	18700	100RB#0	17.983	18.99	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.952	18.97	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.979	19.00	PASS

Test Graphs

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

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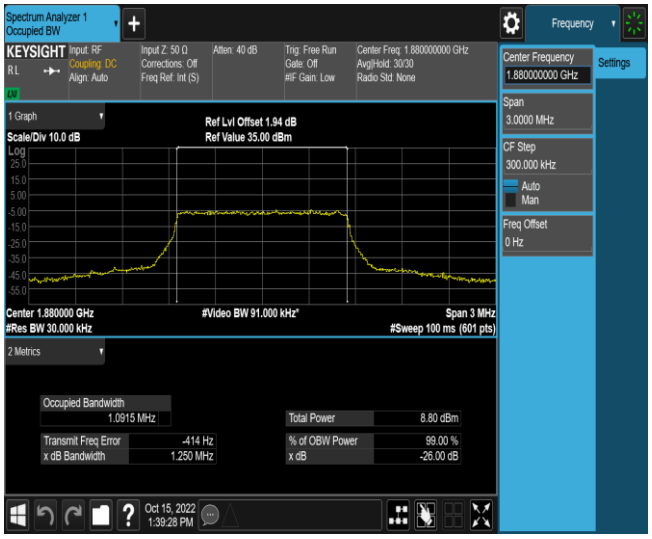
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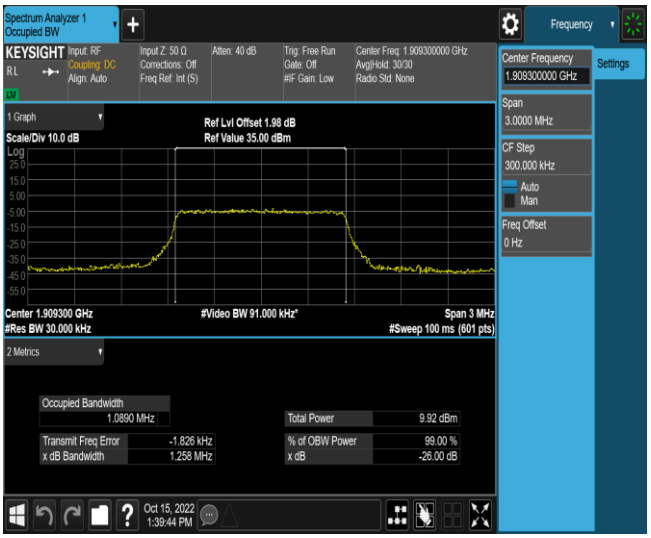
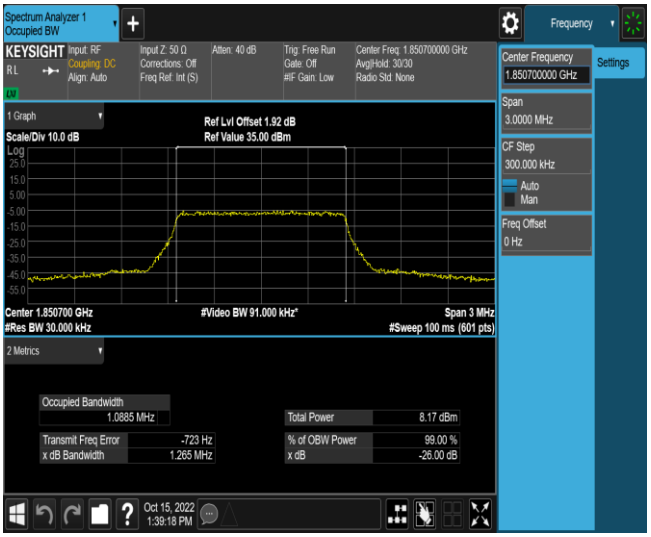


Band2-1.4MHz-16QAM-18607-6RB#0



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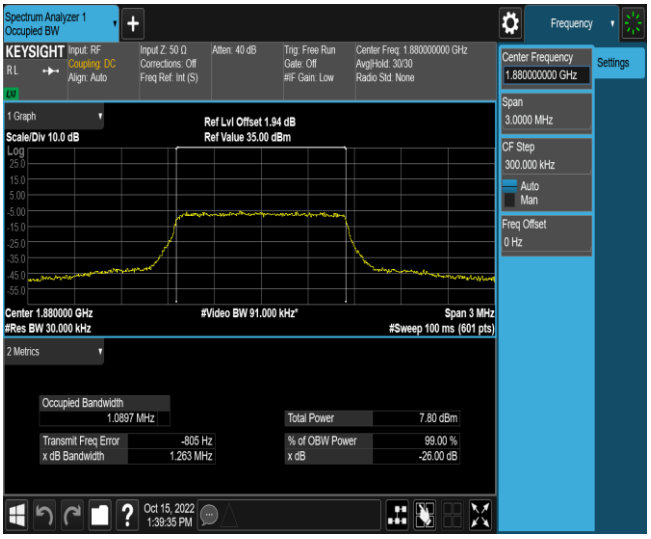
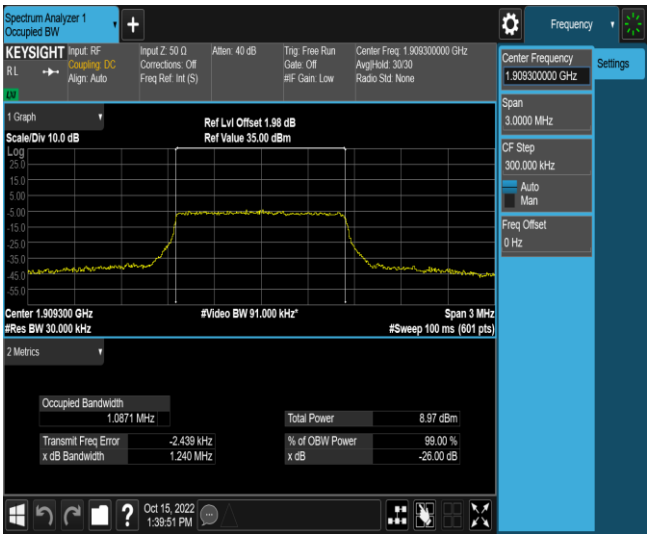
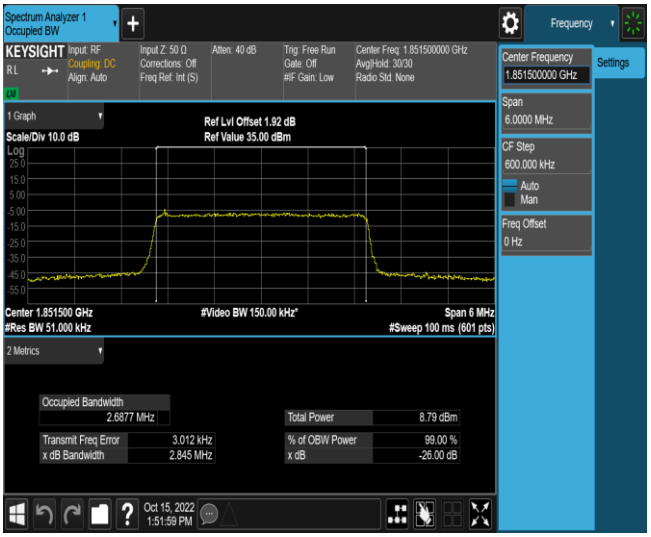


Band2-1.4MHz-16QAM-19193-6RB#0



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



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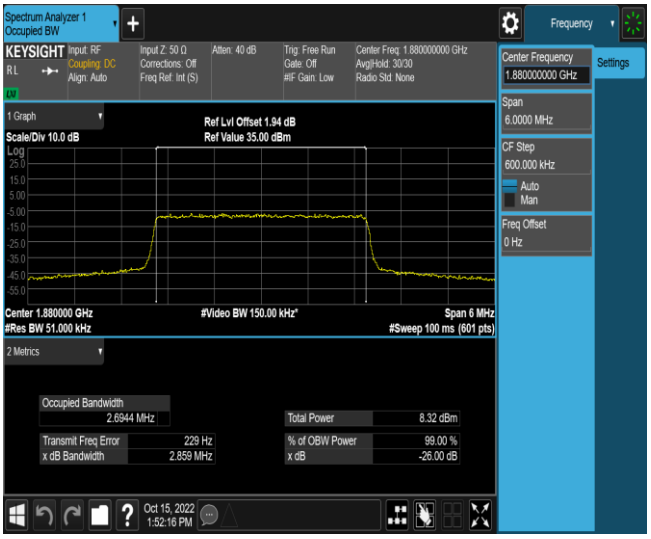

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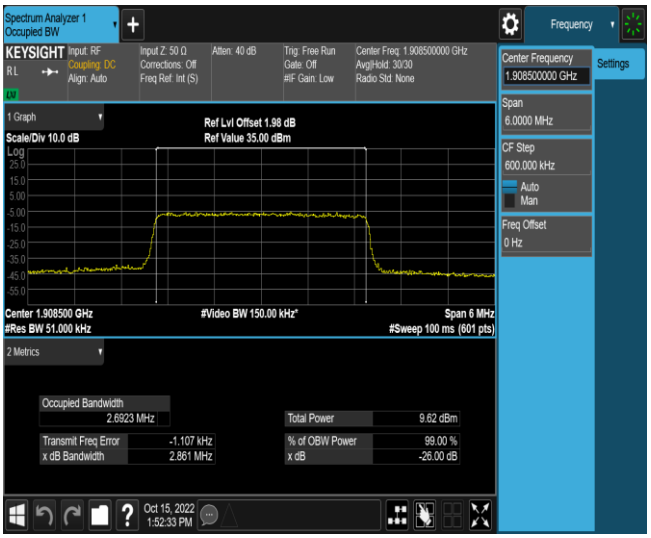

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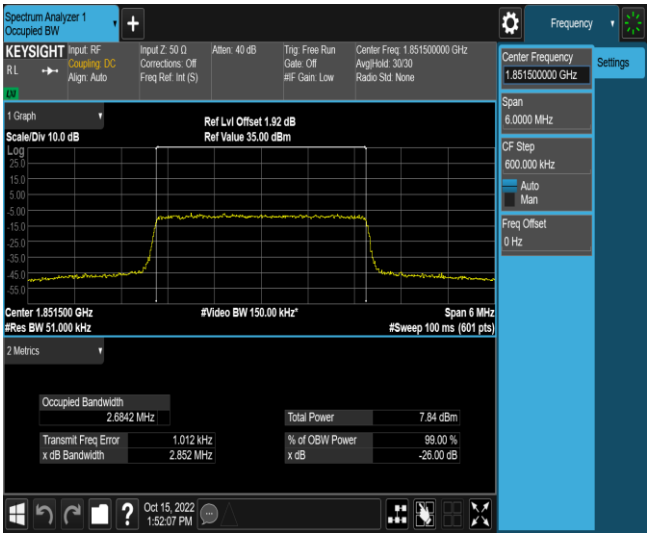

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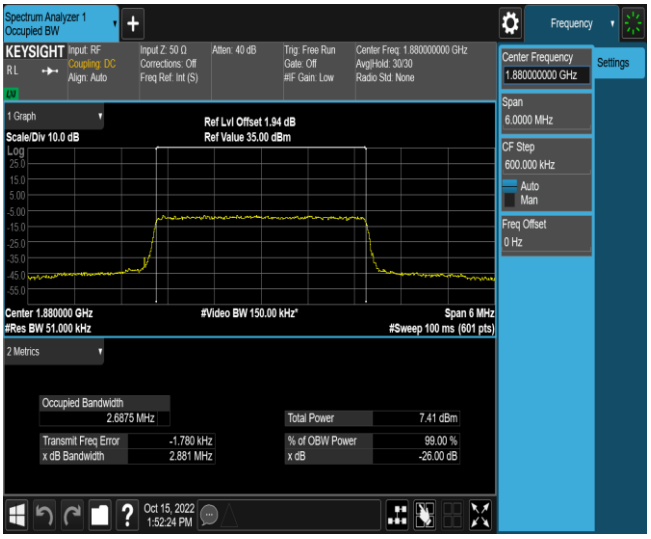

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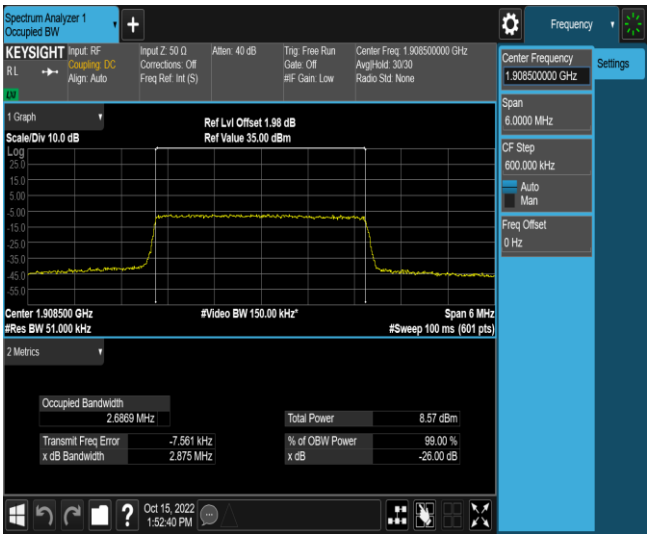
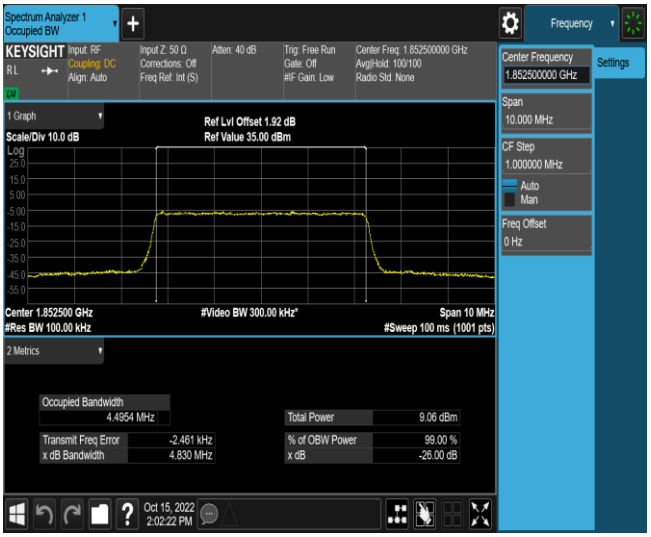
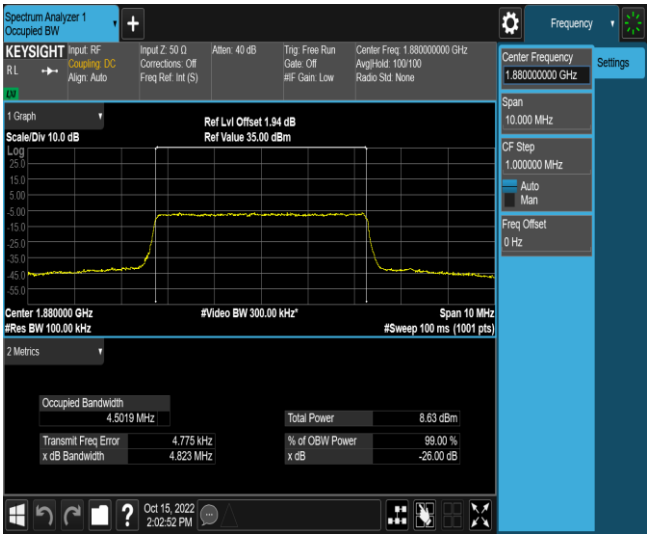


Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-18900-25RB#0



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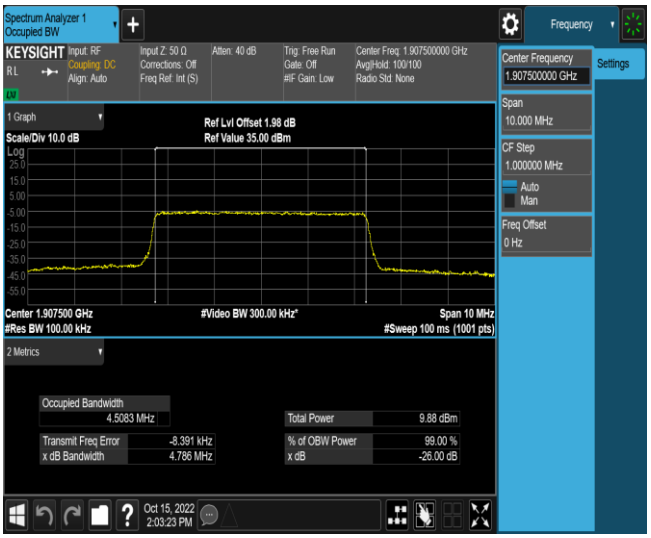
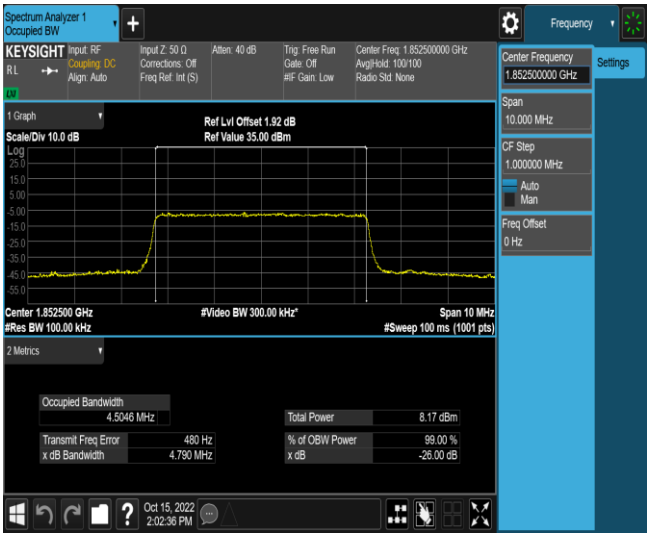
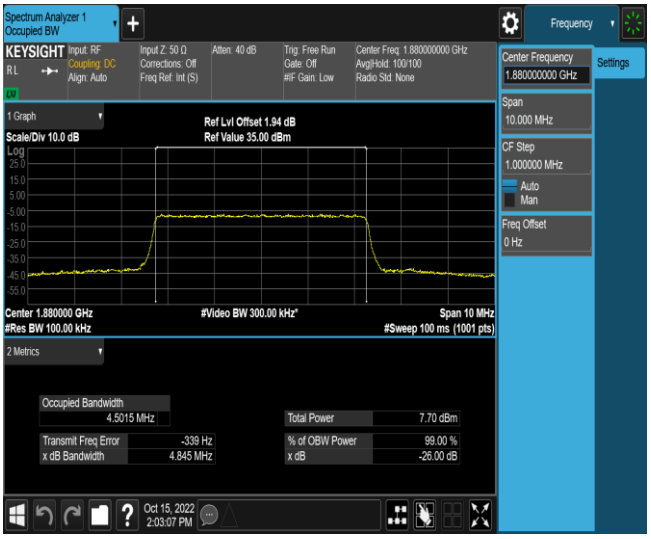


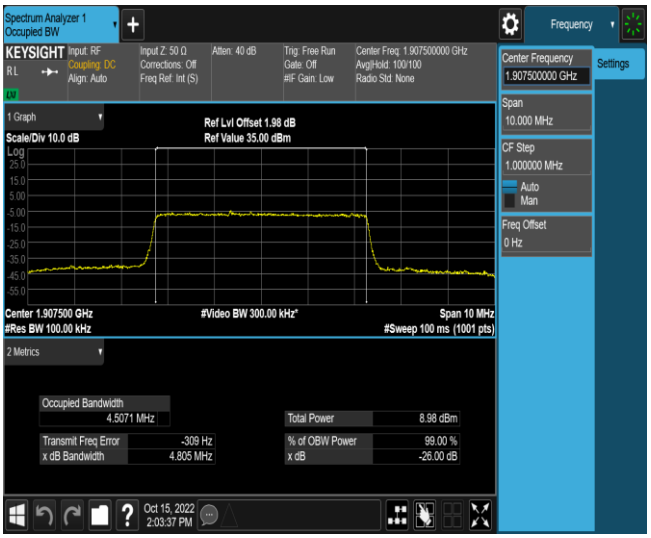
Band2-5MHz-16QAM-18625-25RB#0



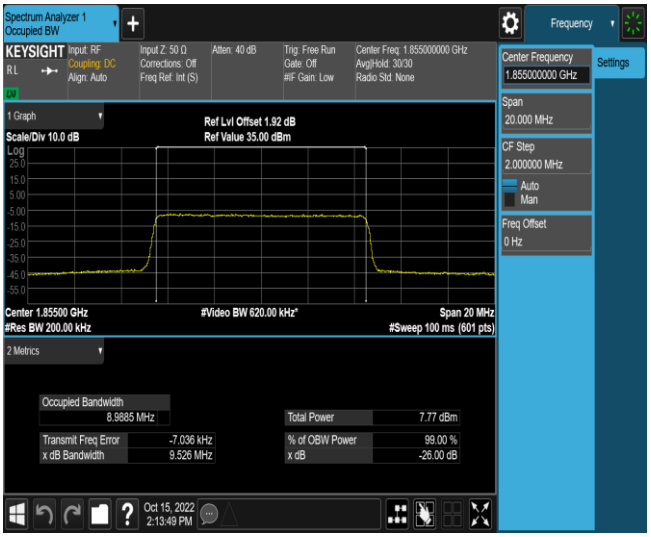
Band2-5MHz-16QAM-18900-25RB#0



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



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



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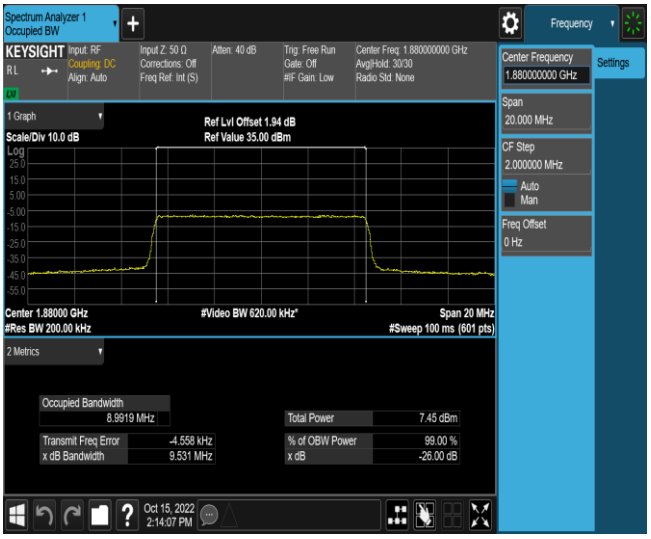
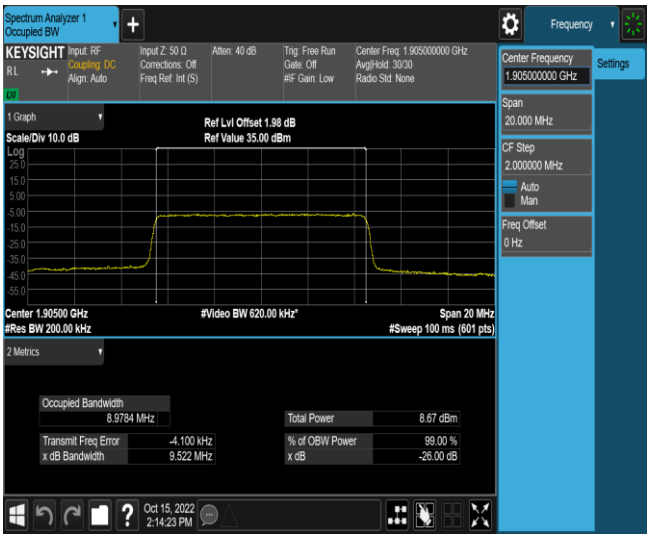
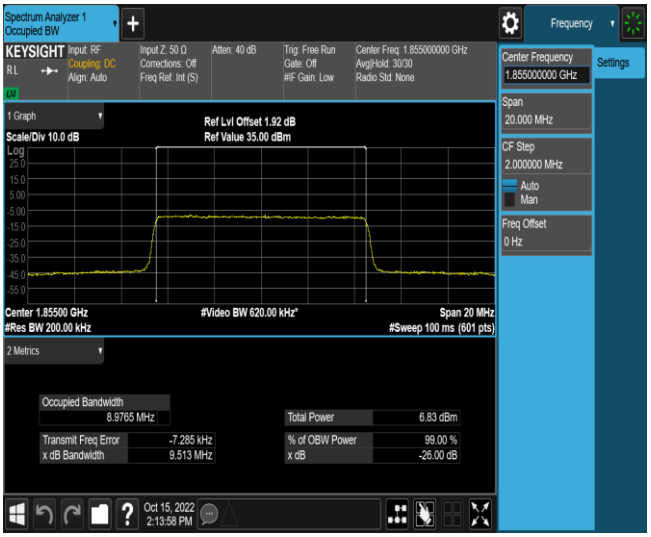


Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-50RB#0



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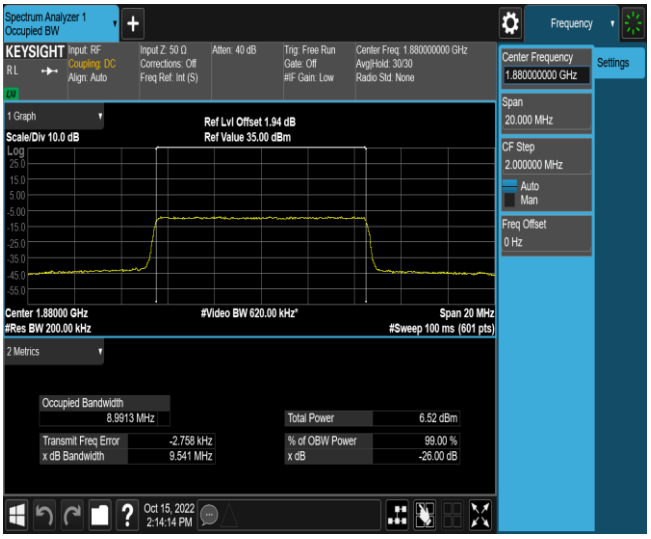

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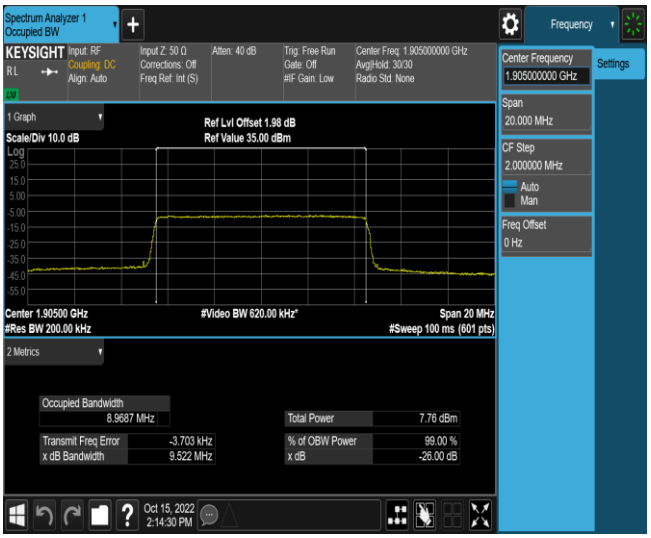
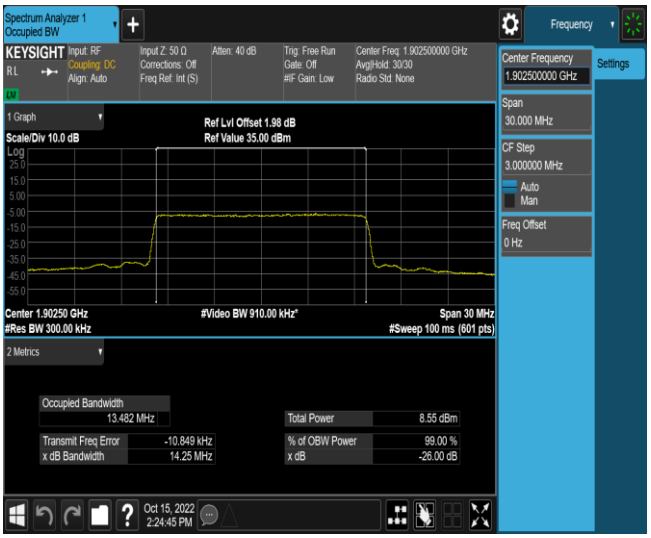


Band2-15MHz-QPSK-18675-75RB#0

Band2-15MHz-QPSK-18900-75RB#0

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



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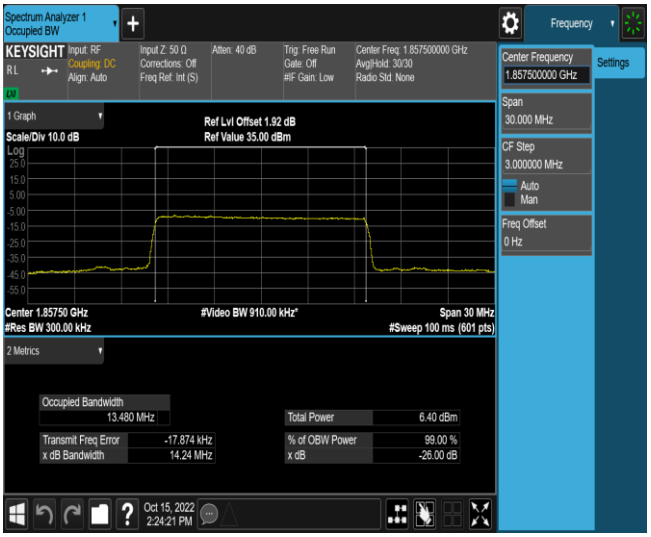

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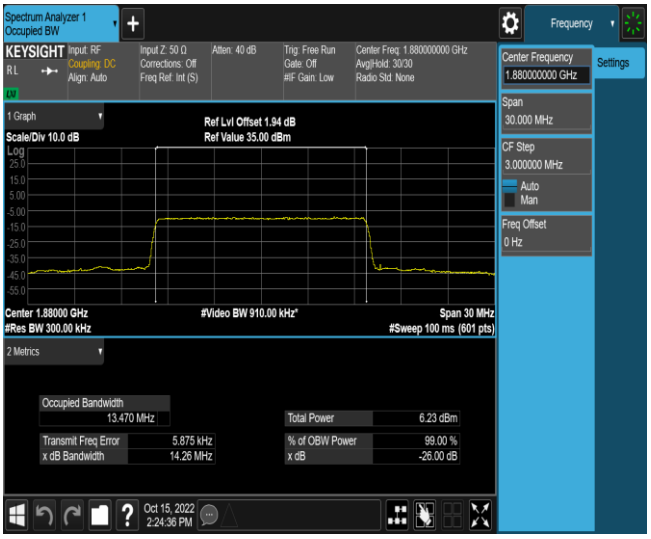

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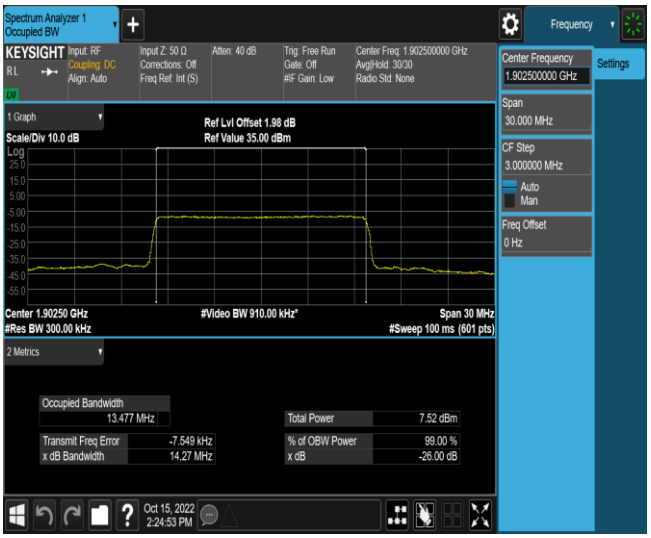
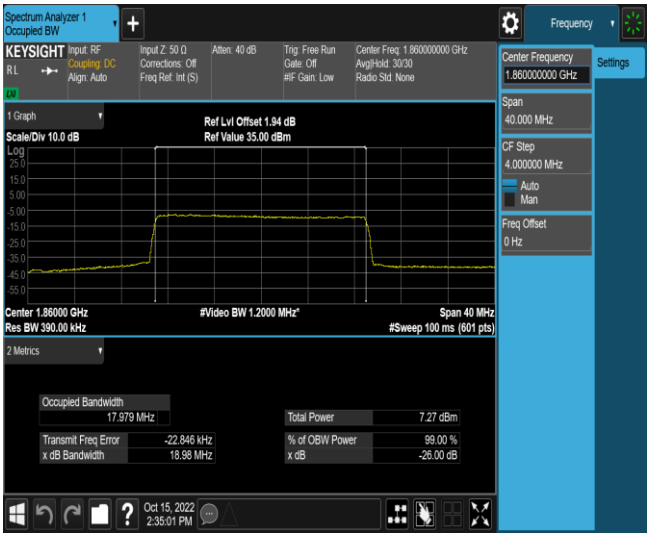
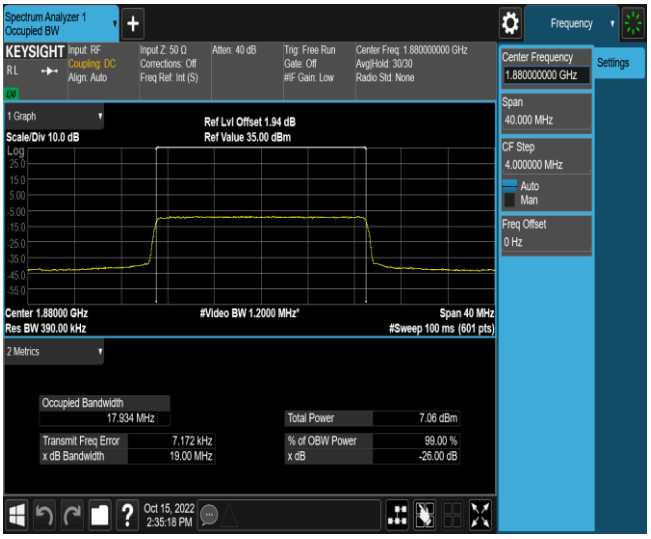


Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-100RB#0



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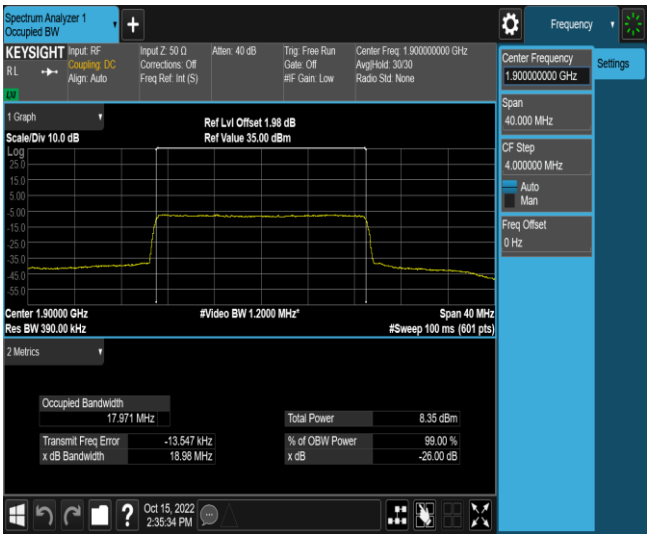
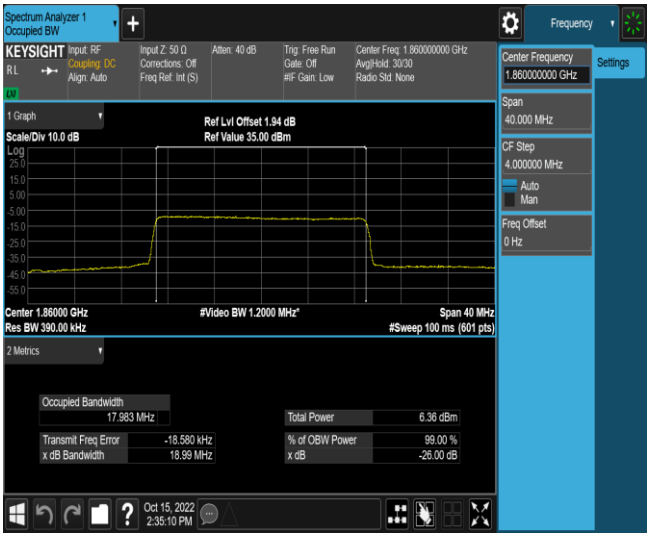
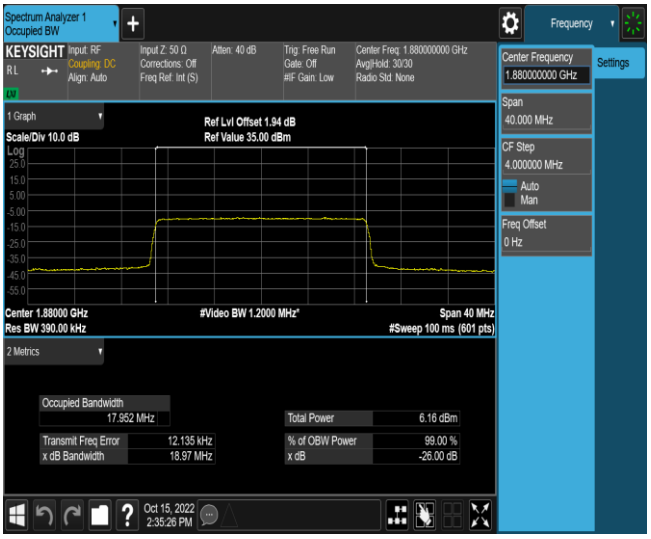


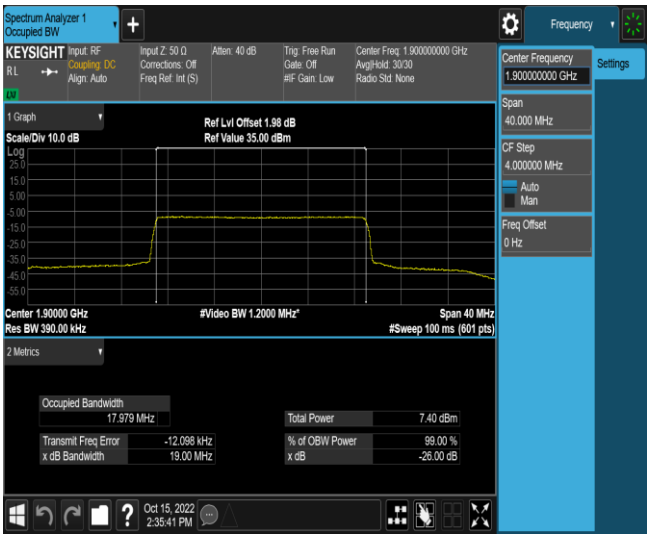
Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-18900-100RB#0



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


Spectrum Analyzer 1
Occupied BW
Frequency
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: 1.900000000 GHz
Avg|Hold: 30/30
Radio Std: None
Center Frequency
1.900000000 GHz
Settings
Span
40.000 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Ref Lvl Offset 1.98 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 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
17.979 MHz
Total Power
7.40 dBm
Transmit Freq Error
-12.098 kHz
x dB Bandwidth
19.00 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Oct 15, 2022
2:35:41 PM

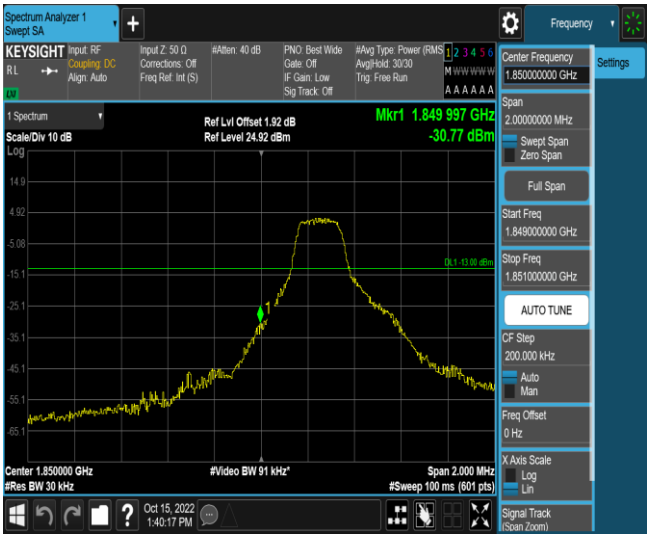
Appendix D: Band Edge

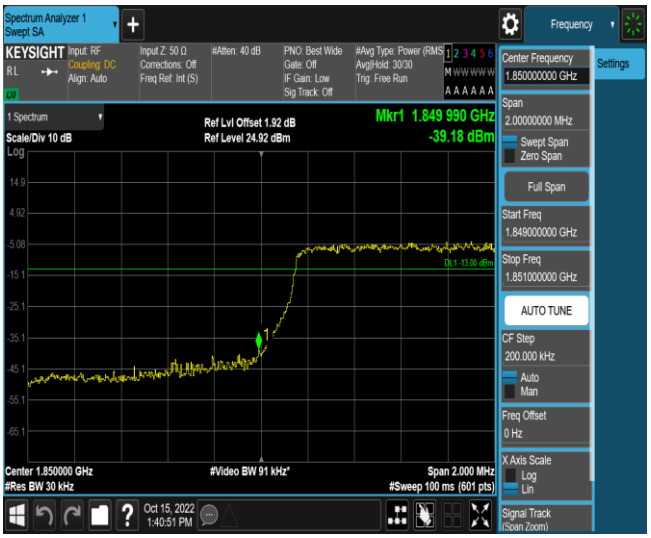
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-30.77	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-48.21	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-39.18	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-47.15	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-30.52	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-38.59	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-33.53	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-49.28	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-39.40	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-47.44	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-31.25	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-37.98	PASS
Band2	3MHz	QPSK	18615	1RB#0	-30.59	PASS
Band2	3MHz	QPSK	18615	1RB#14	-58.25	PASS
Band2	3MHz	QPSK	18615	15RB#0	-40.67	PASS
Band2	3MHz	QPSK	19185	1RB#0	-57.47	PASS
Band2	3MHz	QPSK	19185	1RB#14	-28.41	PASS
Band2	3MHz	QPSK	19185	15RB#0	-41.01	PASS
Band2	3MHz	16QAM	18615	1RB#0	-29.77	PASS
Band2	3MHz	16QAM	18615	1RB#14	-57.52	PASS
Band2	3MHz	16QAM	18615	15RB#0	-41.70	PASS
Band2	3MHz	16QAM	19185	1RB#0	-57.94	PASS
Band2	3MHz	16QAM	19185	1RB#14	-28.95	PASS
Band2	3MHz	16QAM	19185	15RB#0	-41.52	PASS
Band2	5MHz	QPSK	18625	1RB#0	-27.35	PASS
Band2	5MHz	QPSK	18625	1RB#24	-56.45	PASS
Band2	5MHz	QPSK	18625	25RB#0	-39.38	PASS
Band2	5MHz	QPSK	19175	1RB#0	-50.82	PASS
Band2	5MHz	QPSK	19175	1RB#24	-27.60	PASS
Band2	5MHz	QPSK	19175	25RB#0	-39.01	PASS
Band2	5MHz	16QAM	18625	1RB#0	-27.81	PASS
Band2	5MHz	16QAM	18625	1RB#24	-56.32	PASS
Band2	5MHz	16QAM	18625	25RB#0	-40.43	PASS
Band2	5MHz	16QAM	19175	1RB#0	-56.68	PASS
Band2	5MHz	16QAM	19175	1RB#24	-28.22	PASS

Band2	5MHz	16QAM	19175	25RB#0	-38.46	PASS
Band2	10MHz	QPSK	18650	1RB#0	-30.92	PASS
Band2	10MHz	QPSK	18650	1RB#49	-51.79	PASS
Band2	10MHz	QPSK	18650	50RB#0	-41.77	PASS
Band2	10MHz	QPSK	19150	1RB#0	-54.48	PASS
Band2	10MHz	QPSK	19150	1RB#49	-30.16	PASS
Band2	10MHz	QPSK	19150	50RB#0	-41.12	PASS
Band2	10MHz	16QAM	18650	1RB#0	-30.50	PASS
Band2	10MHz	16QAM	18650	1RB#49	-55.12	PASS
Band2	10MHz	16QAM	18650	50RB#0	-42.57	PASS
Band2	10MHz	16QAM	19150	1RB#0	-54.88	PASS
Band2	10MHz	16QAM	19150	1RB#49	-30.65	PASS
Band2	10MHz	16QAM	19150	50RB#0	-41.11	PASS
Band2	15MHz	QPSK	18675	1RB#0	-31.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	-53.65	PASS
Band2	15MHz	QPSK	18675	75RB#0	-40.36	PASS
Band2	15MHz	QPSK	19125	1RB#0	-51.78	PASS
Band2	15MHz	QPSK	19125	1RB#74	-30.65	PASS
Band2	15MHz	QPSK	19125	75RB#0	-38.97	PASS
Band2	15MHz	16QAM	18675	1RB#0	-31.21	PASS
Band2	15MHz	16QAM	18675	1RB#74	-53.60	PASS
Band2	15MHz	16QAM	18675	75RB#0	-41.67	PASS
Band2	15MHz	16QAM	19125	1RB#0	-53.63	PASS
Band2	15MHz	16QAM	19125	1RB#74	-31.06	PASS
Band2	15MHz	16QAM	19125	75RB#0	-40.85	PASS
Band2	20MHz	QPSK	18700	1RB#0	-32.63	PASS
Band2	20MHz	QPSK	18700	1RB#99	-51.86	PASS
Band2	20MHz	QPSK	18700	100RB#0	-38.81	PASS
Band2	20MHz	QPSK	19100	1RB#0	-53.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	-33.58	PASS
Band2	20MHz	QPSK	19100	100RB#0	-38.75	PASS
Band2	20MHz	16QAM	18700	1RB#0	-33.42	PASS
Band2	20MHz	16QAM	18700	1RB#99	-51.21	PASS
Band2	20MHz	16QAM	18700	100RB#0	-39.27	PASS
Band2	20MHz	16QAM	19100	1RB#0	-52.89	PASS
Band2	20MHz	16QAM	19100	1RB#99	-33.22	PASS
Band2	20MHz	16QAM	19100	100RB#0	-38.28	PASS

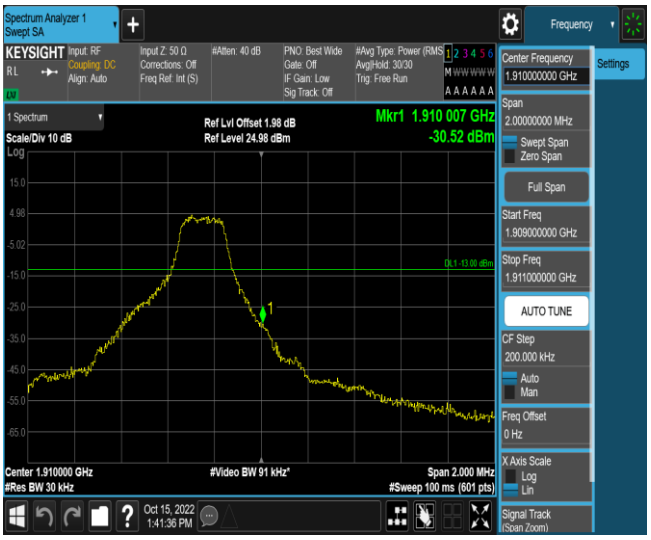
Test Graphs

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

Band2-1.4MHz-QPSK-18607-1RB#5
Band2-1.4MHz-QPSK-18607-6RB#0

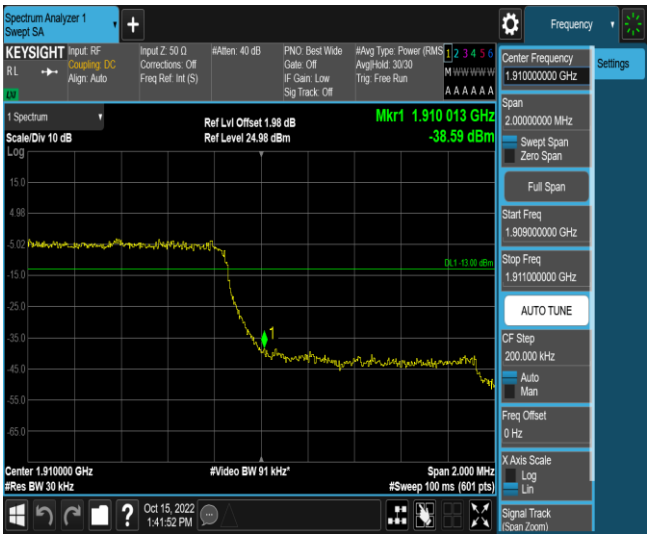


Band2-1.4MHz-QPSK-19193-1RB#0

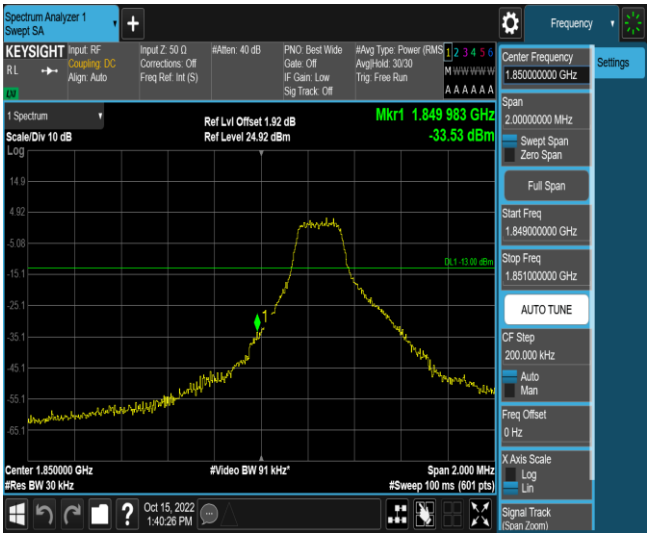
Band2-1.4MHz-QPSK-19193-1RB#5



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



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

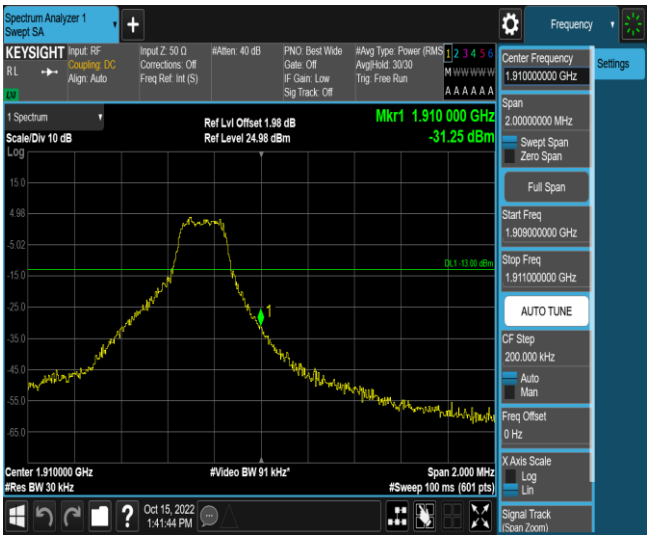


Band2-1.4MHz-16QAM-18607-1RB#5

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

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

Band2-1.4MHz-16QAM-19193-1RB#5



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