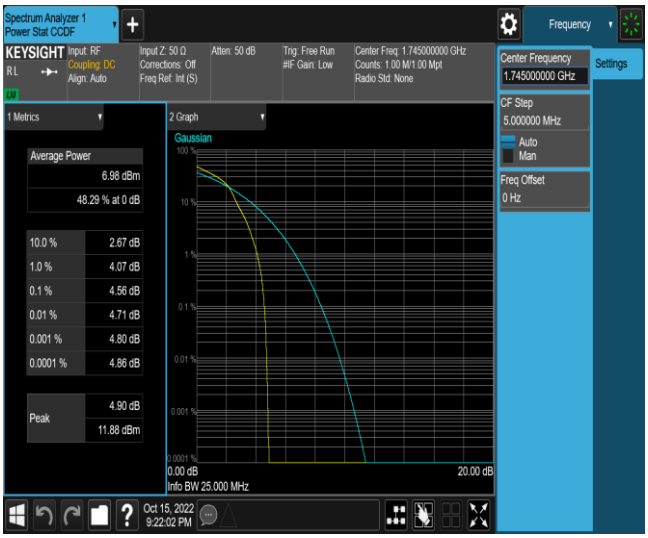


Band66-15MHz-16QAM-132322-75RB#0

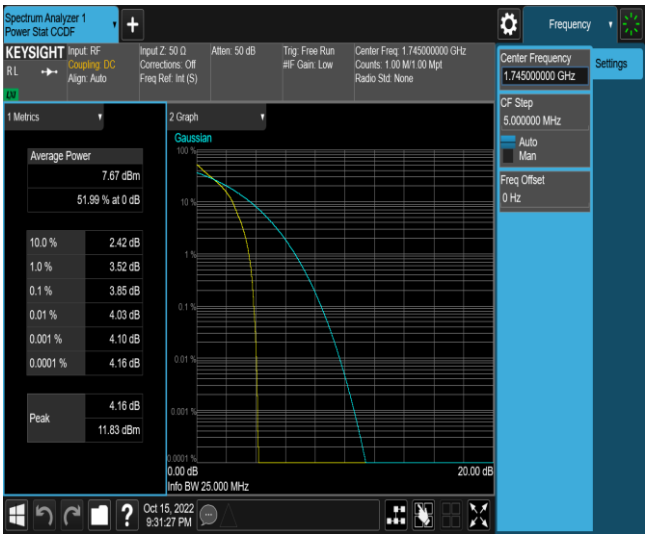
Band66-15MHz-16QAM-132597-1RB#0

Band66-15MHz-16QAM-132597-75RB#0

Band66-20MHz-QPSK-132072-1RB#0

Band66-20MHz-QPSK-132072-100RB#0

Band66-20MHz-QPSK-132322-1RB#0



Band66-20MHz-QPSK-132322-100RB#0

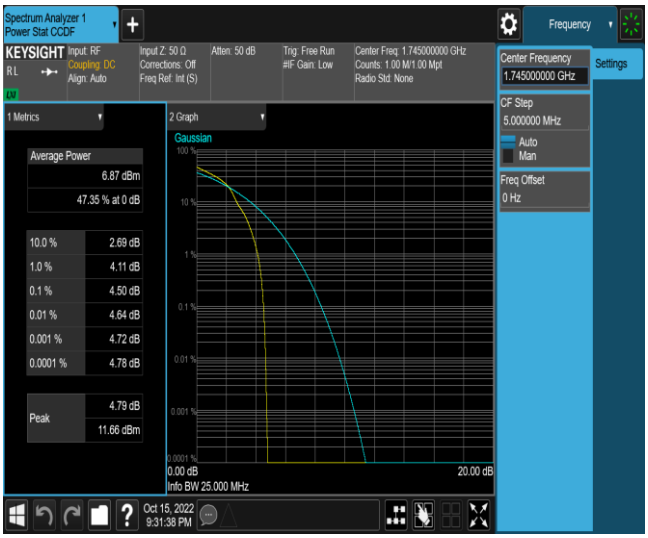
Band66-20MHz-QPSK-132572-1RB#0

Band66-20MHz-QPSK-132572-100RB#0

Band66-20MHz-16QAM-132072-1RB#0

Band66-20MHz-16QAM-132072-100RB#0

Band66-20MHz-16QAM-132322-1RB#0



Band66-20MHz-16QAM-132322-100RB#0

Band66-20MHz-16QAM-132572-1RB#0

Band66-20MHz-16QAM-132572-100RB#0

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
Input: RF
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: 1.770000000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None
Frequency
Settings
Center Frequency
1.770000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Metrics
Average Power
5.81 dBm
45.01 % at 0 dB
10.0 % 2.91 dB
1.0 % 4.86 dB
0.1 % 5.89 dB
0.01 % 6.49 dB
0.001 % 6.78 dB
0.0001 % 7.03 dB
Peak
7.09 dB
12.90 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
Info BW 25.000 MHz
Oct 15, 2022
9:32:48 PM

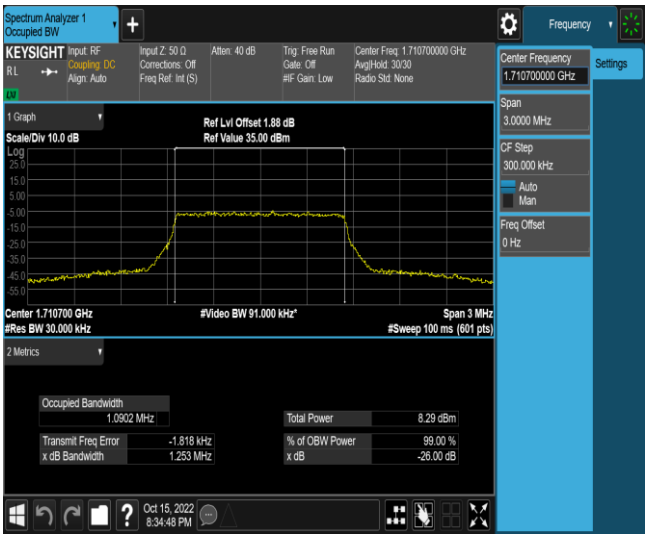
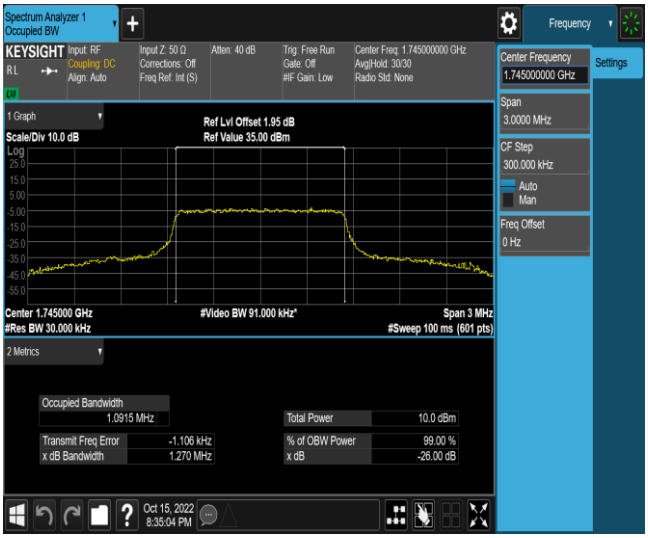
Appendix C: 26dB Bandwidth and Occupied Bandwidth

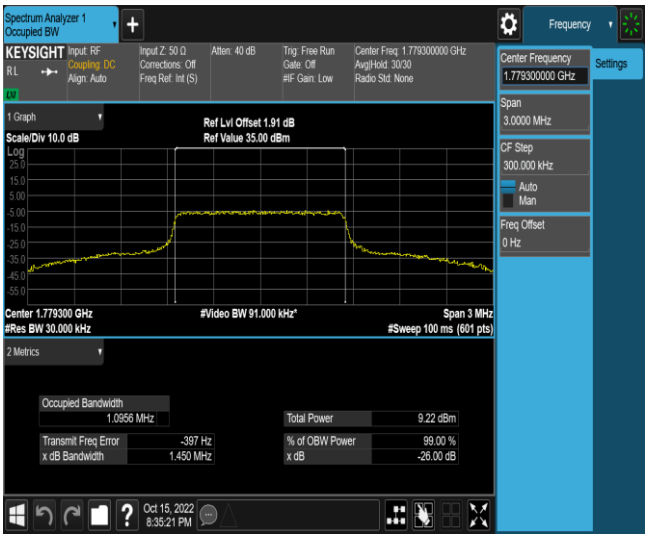
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0902	1.253	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0915	1.270	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0956	1.450	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0905	1.268	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0893	1.243	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0924	1.323	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6899	2.849	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6966	2.863	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6986	3.330	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6914	2.861	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6885	2.864	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6981	2.898	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5019	4.983	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5064	5.006	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5245	5.020	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5092	4.906	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5049	5.023	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5184	4.967	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9917	9.682	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9955	9.634	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9925	9.666	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9866	9.600	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9963	9.627	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9874	9.638	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.496	14.33	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.478	14.50	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.480	14.36	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.495	14.32	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.471	14.42	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.468	14.35	PASS
Band66	20MHz	QPSK	132072	100RB#0	18.011	19.01	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.930	19.06	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.954	19.03	PASS

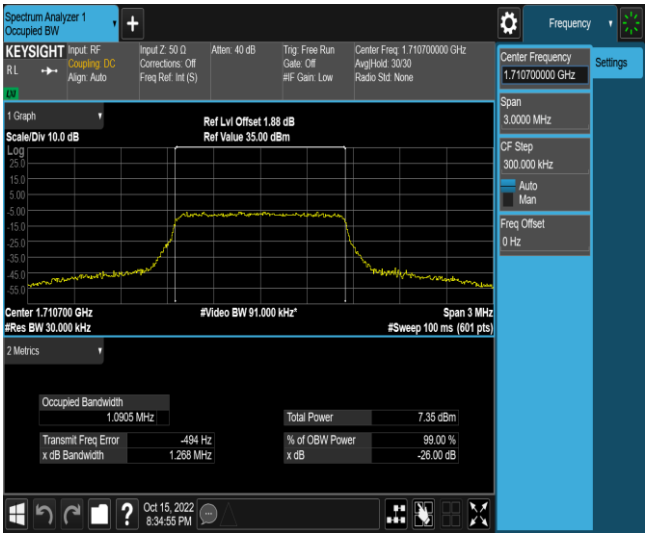
Band66	20MHz	16QAM	132072	100RB#0	17.985	19.03	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.940	19.03	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.969	19.04	PASS

Test Graphs

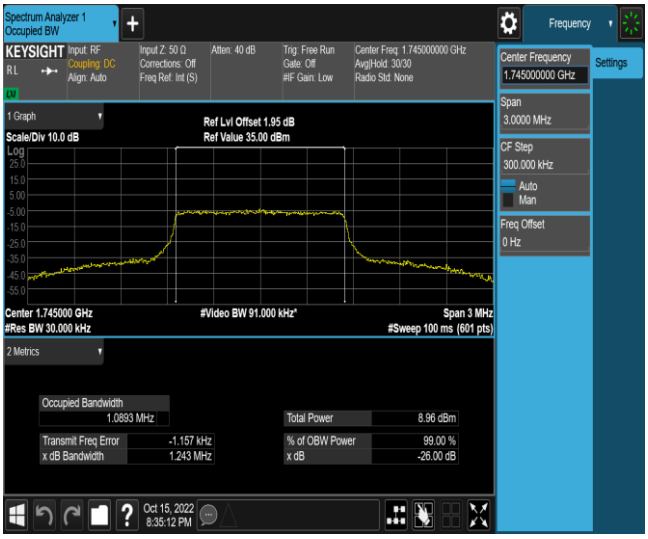
Band66-1.4MHz-QPSK-131979-6RB#0

Band66-1.4MHz-QPSK-132322-6RB#0

Band66-1.4MHz-QPSK-132665-6RB#0



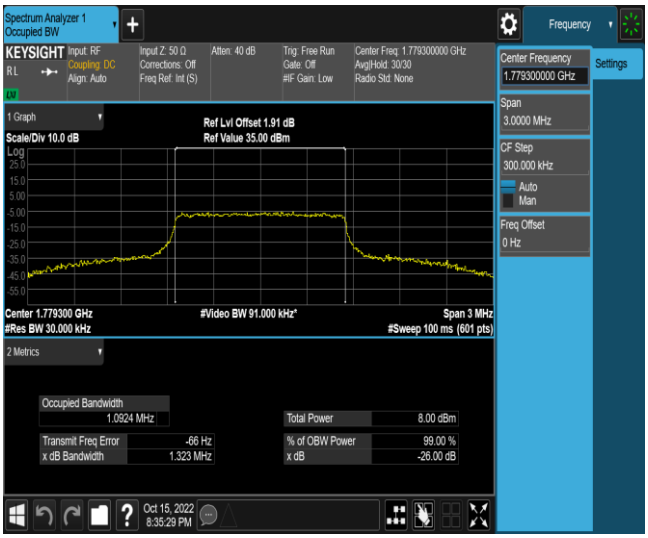
Band66-1.4MHz-16QAM-131979-6RB#0



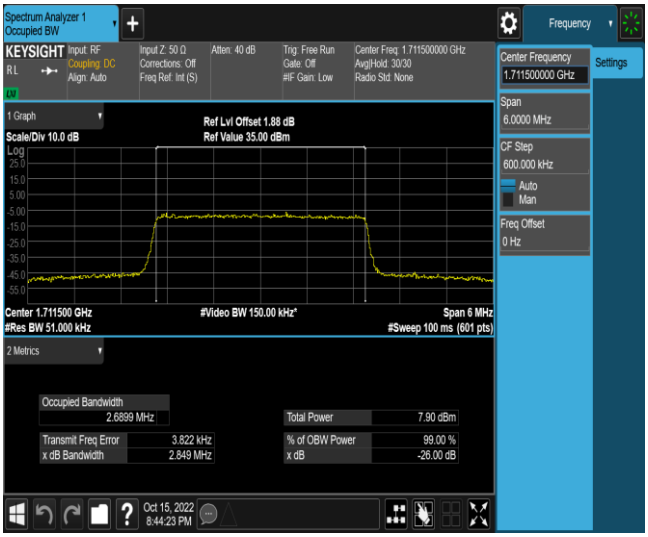
Band66-1.4MHz-16QAM-132322-6RB#0



Band66-1.4MHz-16QAM-132665-6RB#0



Band66-3MHz-QPSK-131987-15RB#0



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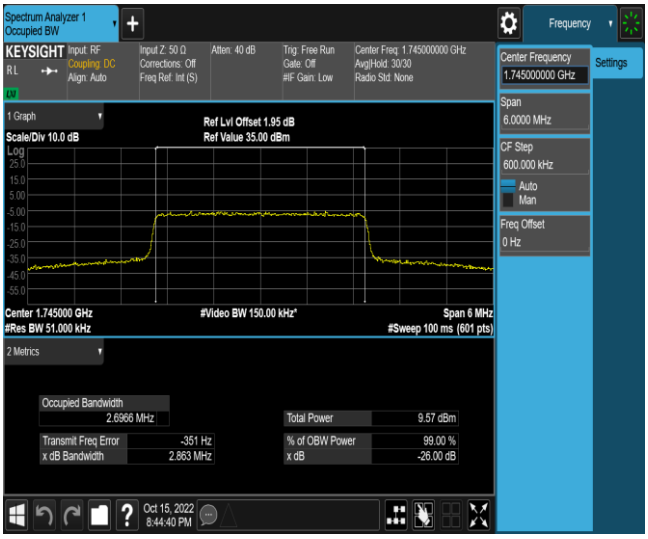

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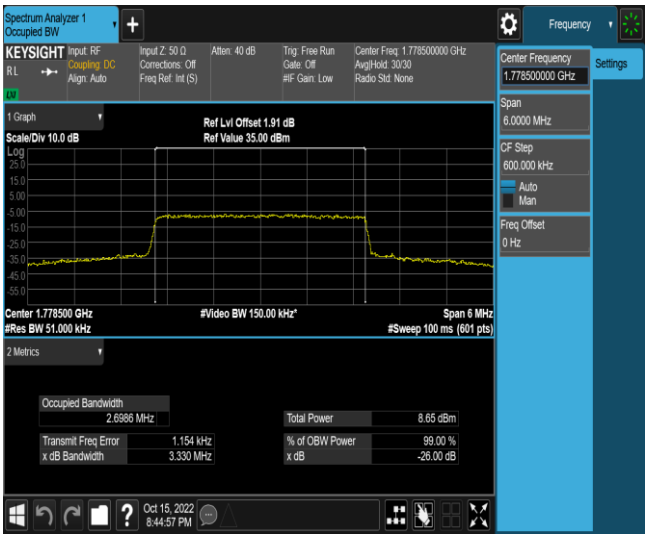

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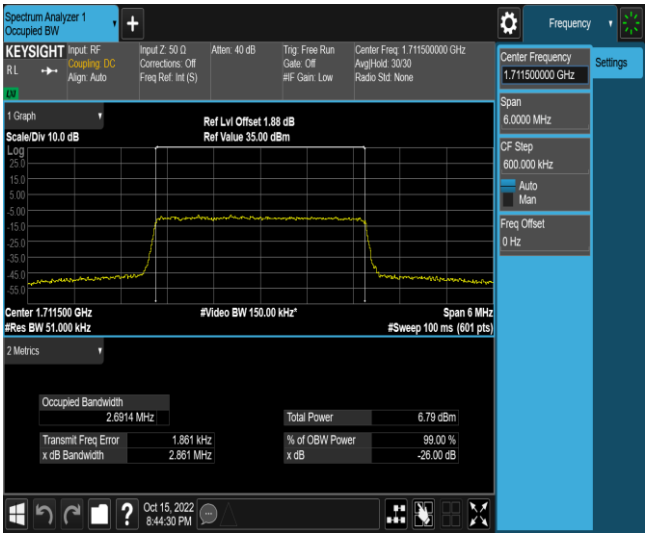

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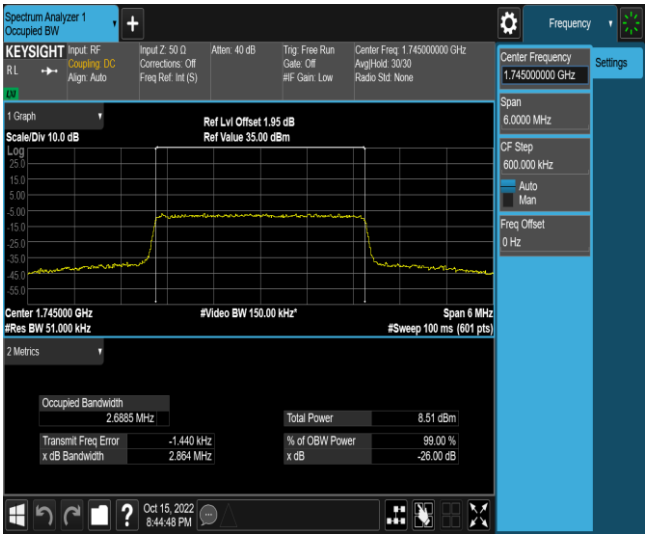

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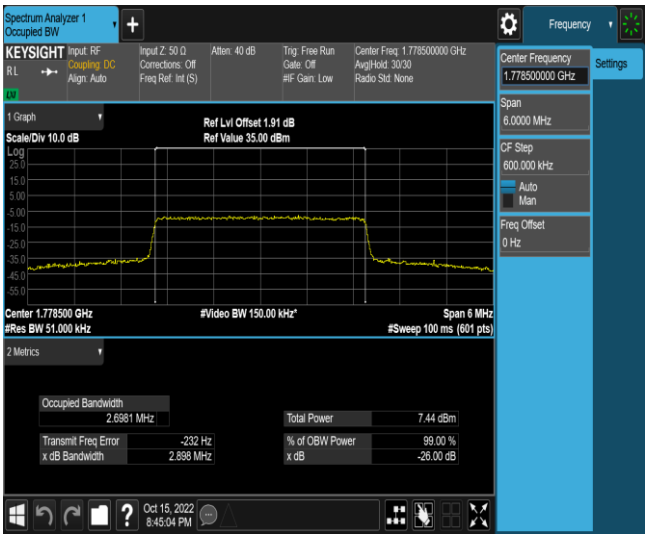
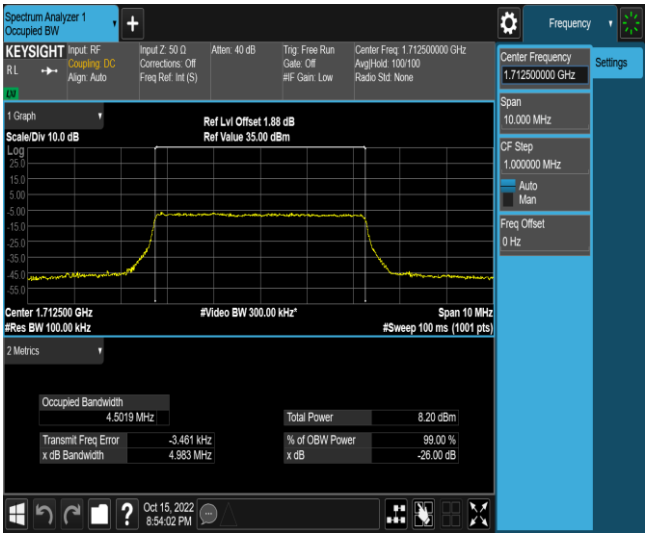


Band66-5MHz-QPSK-131997-25RB#0



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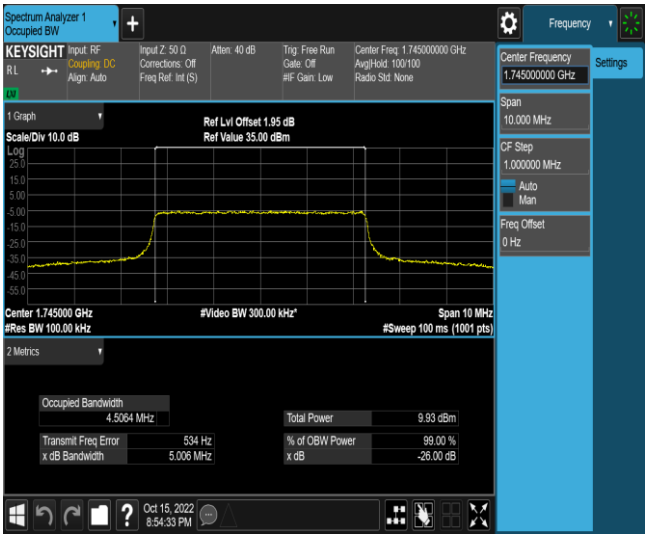

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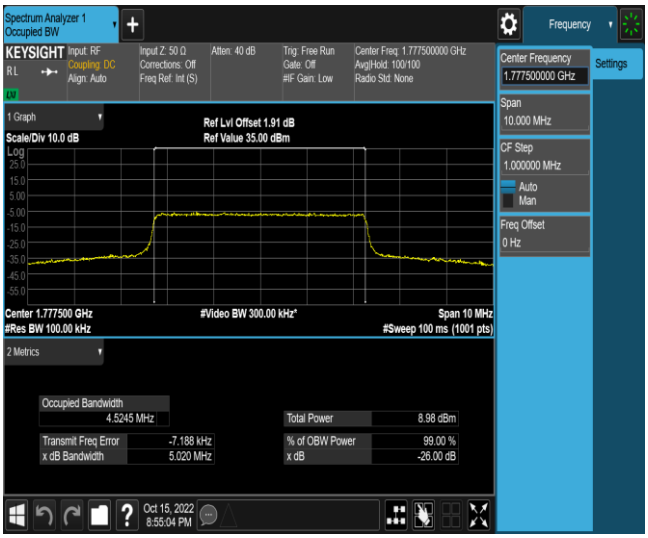

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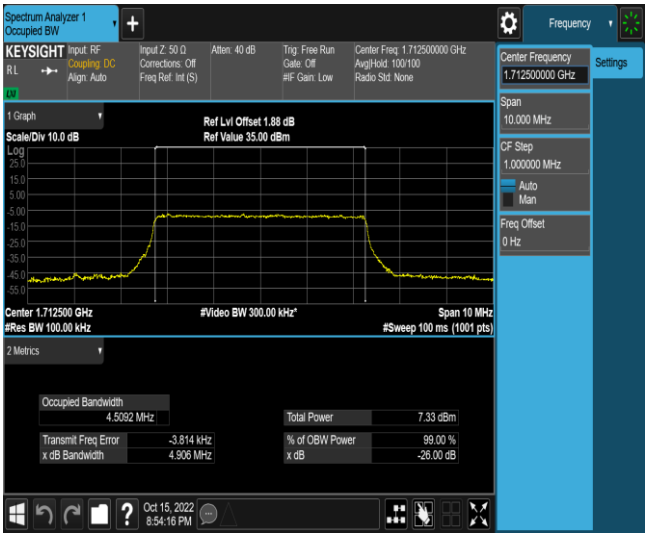
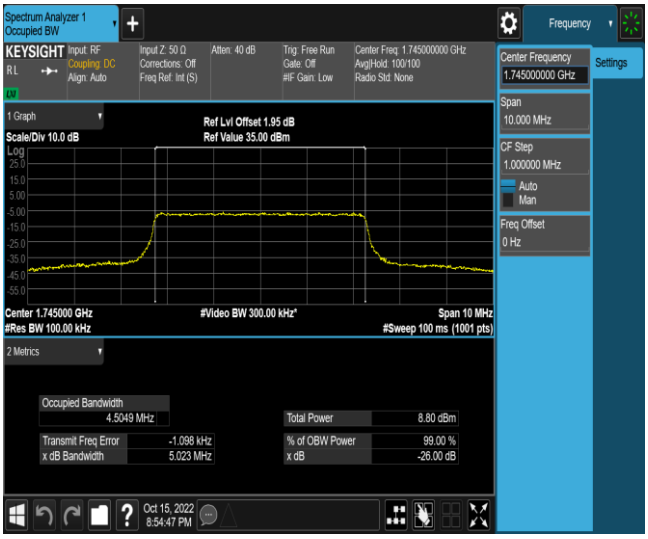


Band66-5MHz-16QAM-132322-25RB#0



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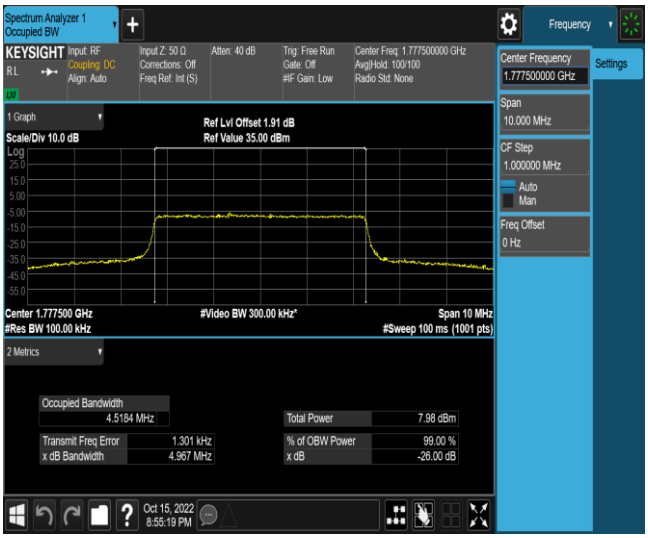
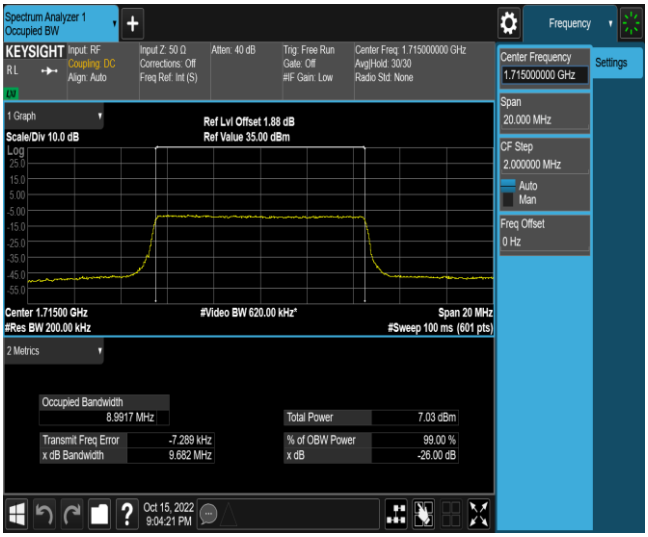


Band66-10MHz-QPSK-132022-50RB#0



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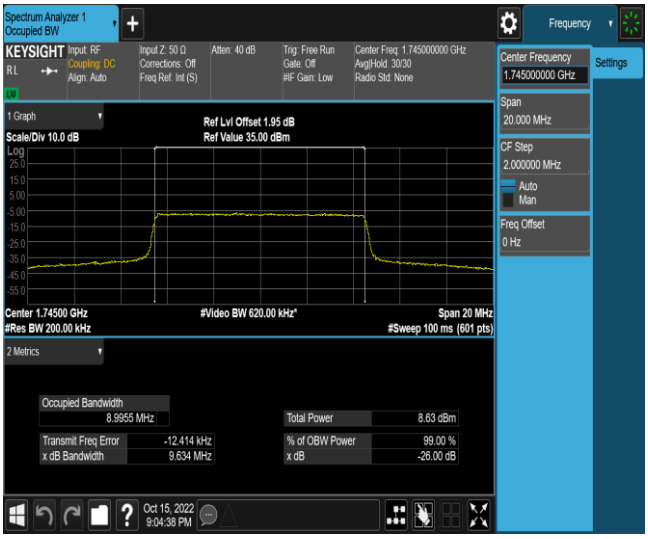
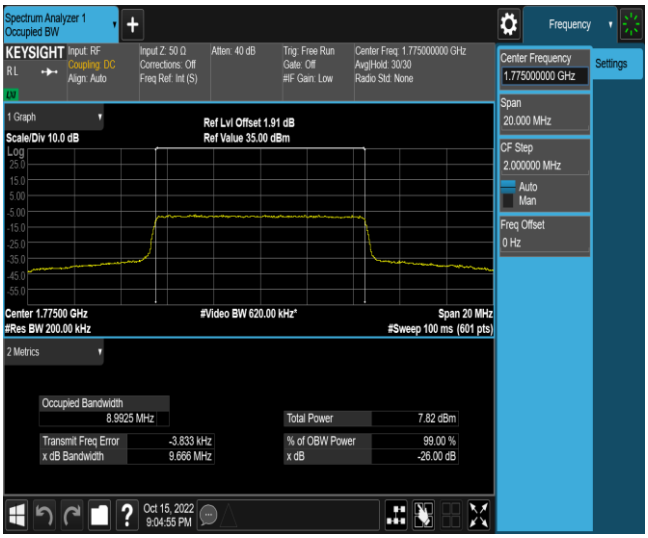
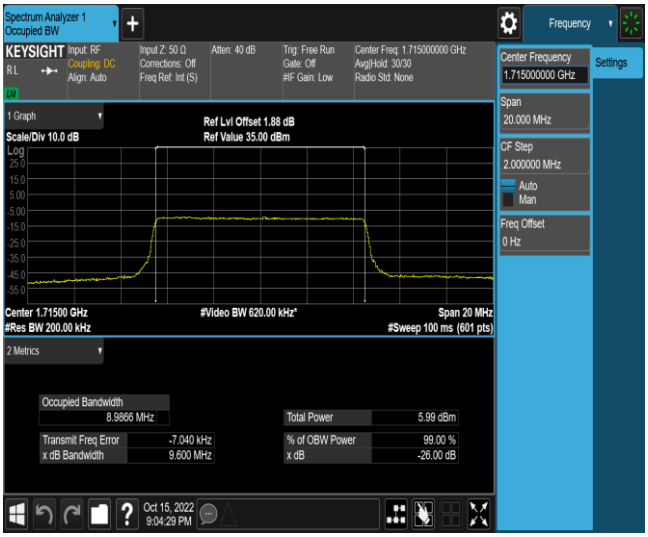


Band66-10MHz-QPSK-132622-50RB#0



Band66-10MHz-16QAM-132022-50RB#0



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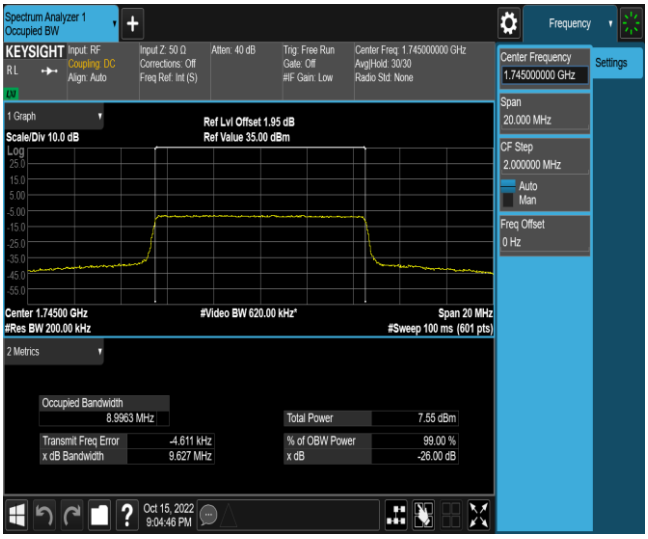

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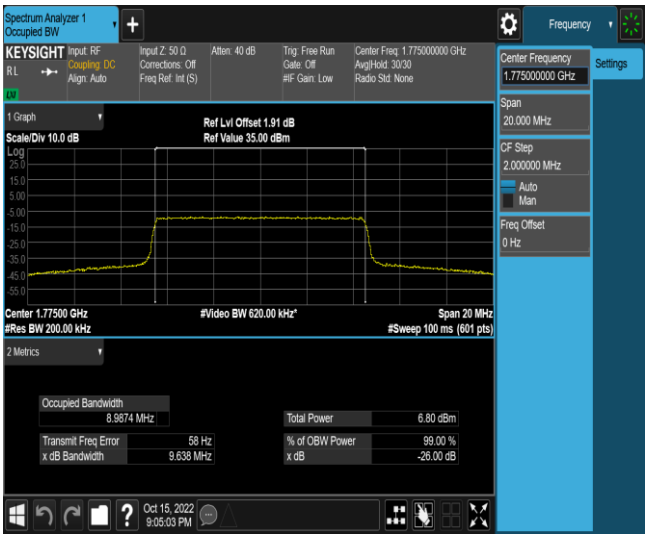
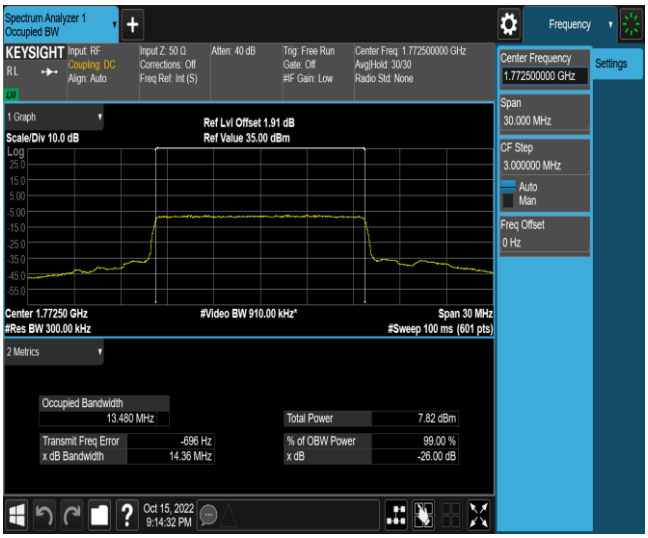


Band66-15MHz-QPSK-132047-75RB#0

Band66-15MHz-QPSK-132322-75RB#0

Band66-15MHz-QPSK-132597-75RB#0



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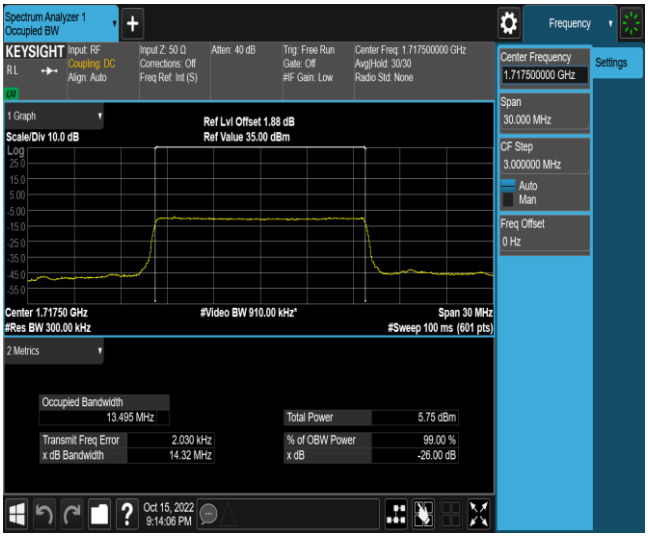

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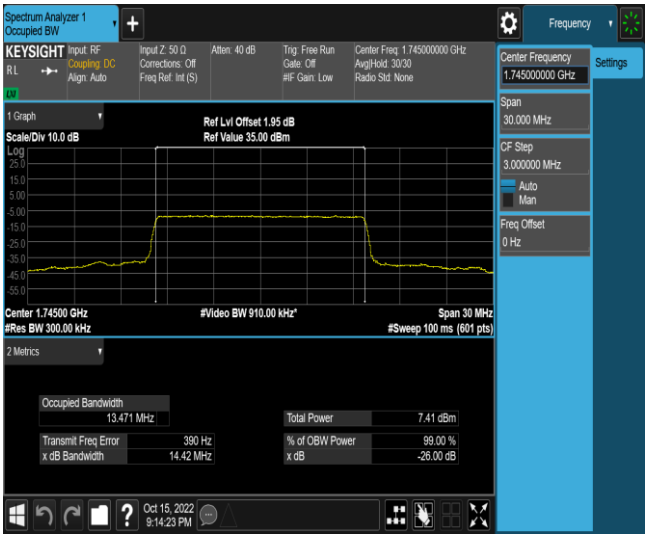

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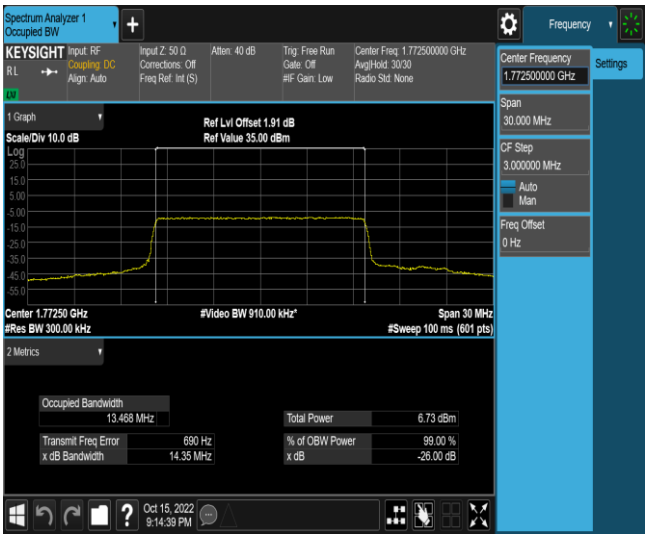
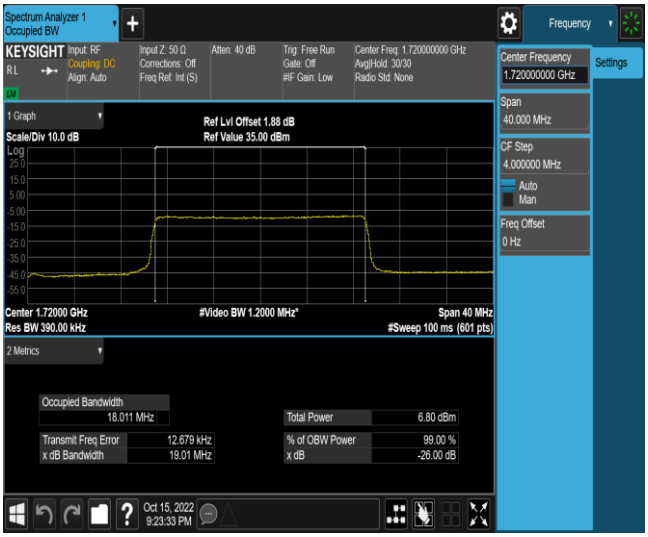


Band66-20MHz-QPSK-132072-100RB#0



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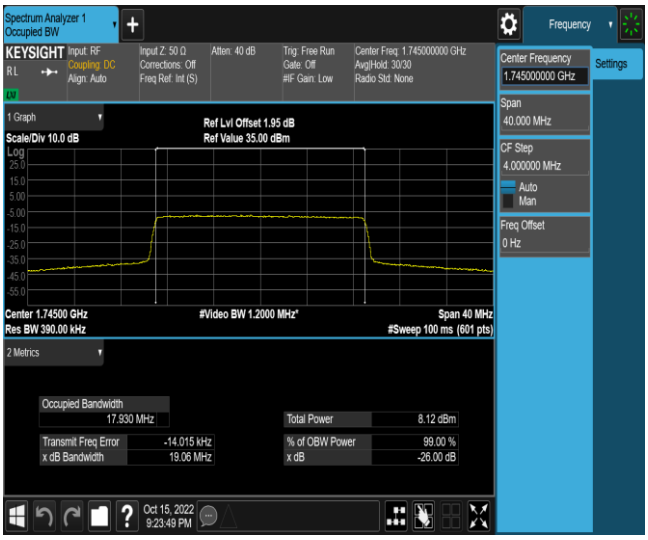

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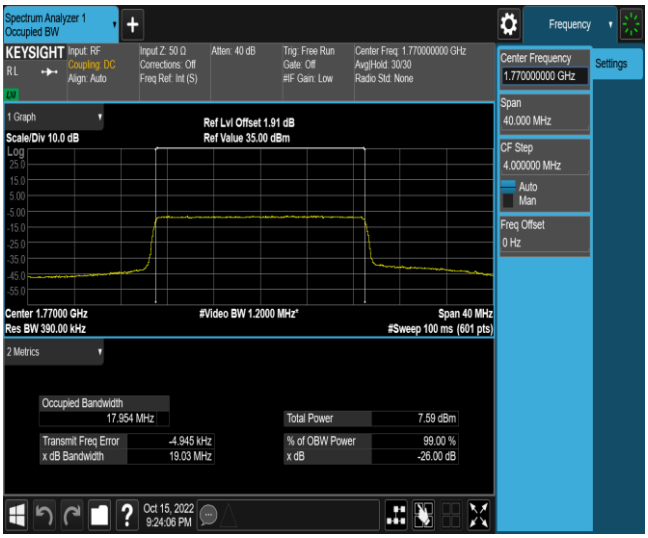

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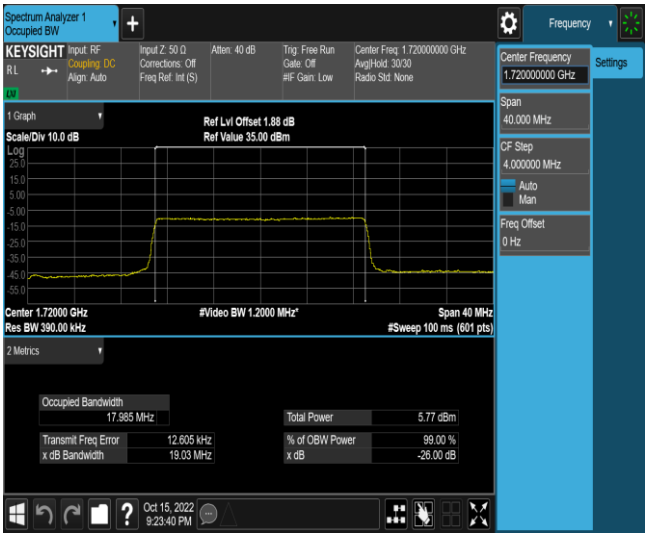
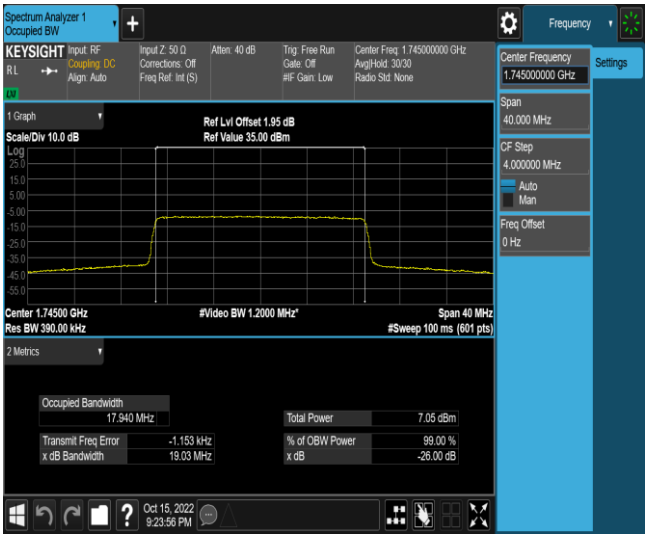
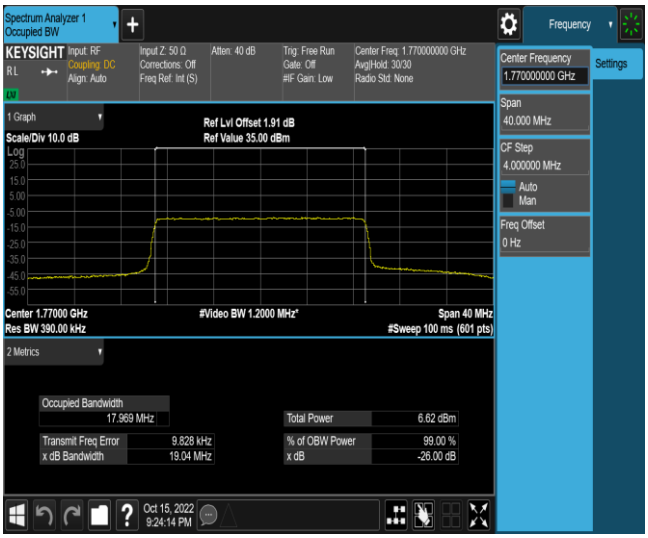


Band66-20MHz-16QAM-132322-100RB#0



Band66-20MHz-16QAM-132572-100RB#0


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: 1.770000000 GHz
Avg|Hold: 30/30
Radio Std: None
Frequency
Settings
Center Frequency
1.770000000 GHz
Span
40.000 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Ref Lvl Offset 1.91 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 1.77000 GHz
Res BW 390.00 kHz
#Video BW 1.2000 MHz*
Span 40 MHz
#Sweep 100 ms (601 pts)
2 Metrics
Occupied Bandwidth
17.969 MHz
Total Power
6.62 dBm
Transmit Freq Error
9.828 kHz
x dB Bandwidth
19.04 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Oct 15, 2022
9:24:14 PM

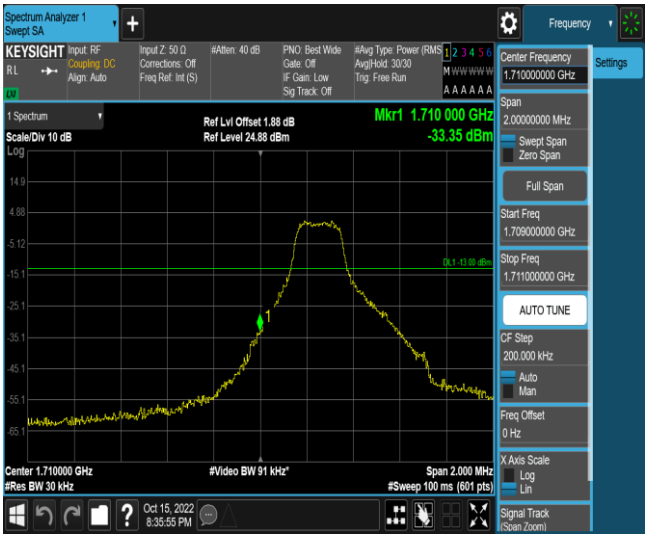
Appendix D: Band Edge

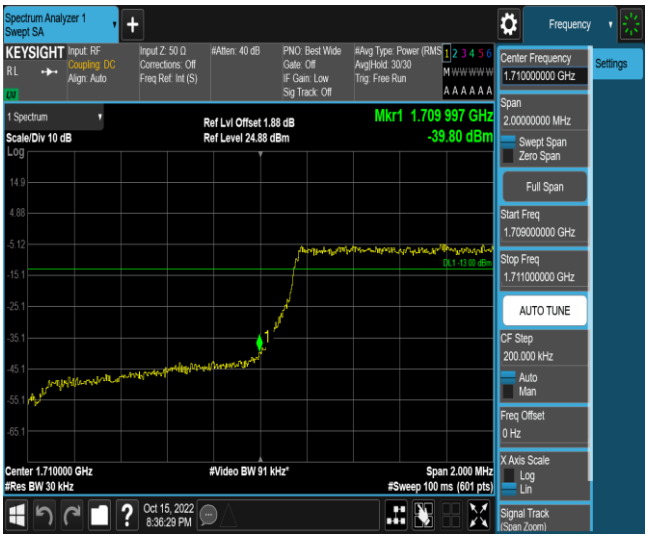
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-33.35	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	-50.33	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-39.80	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	-50.87	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-28.47	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-29.43	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-33.41	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	-50.83	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-41.30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	-52.22	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-31.11	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-33.12	PASS
Band66	3MHz	QPSK	131987	1RB#0	-30.62	PASS
Band66	3MHz	QPSK	131987	1RB#14	-58.31	PASS
Band66	3MHz	QPSK	131987	15RB#0	-41.88	PASS
Band66	3MHz	QPSK	132657	1RB#0	-59.02	PASS
Band66	3MHz	QPSK	132657	1RB#14	-25.62	PASS
Band66	3MHz	QPSK	132657	15RB#0	-32.40	PASS
Band66	3MHz	16QAM	131987	1RB#0	-30.42	PASS
Band66	3MHz	16QAM	131987	1RB#14	-51.22	PASS
Band66	3MHz	16QAM	131987	15RB#0	-43.38	PASS
Band66	3MHz	16QAM	132657	1RB#0	-54.18	PASS
Band66	3MHz	16QAM	132657	1RB#14	-25.50	PASS
Band66	3MHz	16QAM	132657	15RB#0	-35.50	PASS
Band66	5MHz	QPSK	131997	1RB#0	-23.11	PASS
Band66	5MHz	QPSK	131997	1RB#24	-48.89	PASS
Band66	5MHz	QPSK	131997	25RB#0	-33.94	PASS
Band66	5MHz	QPSK	132647	1RB#0	-56.63	PASS
Band66	5MHz	QPSK	132647	1RB#24	-21.69	PASS
Band66	5MHz	QPSK	132647	25RB#0	-31.06	PASS
Band66	5MHz	16QAM	131997	1RB#0	-22.97	PASS
Band66	5MHz	16QAM	131997	1RB#24	-55.88	PASS
Band66	5MHz	16QAM	131997	25RB#0	-34.87	PASS
Band66	5MHz	16QAM	132647	1RB#0	-56.33	PASS
Band66	5MHz	16QAM	132647	1RB#24	-22.82	PASS

Band66	5MHz	16QAM	132647	25RB#0	-32.89	PASS
Band66	10MHz	QPSK	132022	1RB#0	-25.80	PASS
Band66	10MHz	QPSK	132022	1RB#49	-54.44	PASS
Band66	10MHz	QPSK	132022	50RB#0	-37.96	PASS
Band66	10MHz	QPSK	132622	1RB#0	-54.94	PASS
Band66	10MHz	QPSK	132622	1RB#49	-23.59	PASS
Band66	10MHz	QPSK	132622	50RB#0	-34.72	PASS
Band66	10MHz	16QAM	132022	1RB#0	-25.15	PASS
Band66	10MHz	16QAM	132022	1RB#49	-54.74	PASS
Band66	10MHz	16QAM	132022	50RB#0	-39.96	PASS
Band66	10MHz	16QAM	132622	1RB#0	-54.93	PASS
Band66	10MHz	16QAM	132622	1RB#49	-24.56	PASS
Band66	10MHz	16QAM	132622	50RB#0	-37.15	PASS
Band66	15MHz	QPSK	132047	1RB#0	-26.31	PASS
Band66	15MHz	QPSK	132047	1RB#74	-53.05	PASS
Band66	15MHz	QPSK	132047	75RB#0	-40.55	PASS
Band66	15MHz	QPSK	132597	1RB#0	-53.66	PASS
Band66	15MHz	QPSK	132597	1RB#74	-26.09	PASS
Band66	15MHz	QPSK	132597	75RB#0	-34.95	PASS
Band66	15MHz	16QAM	132047	1RB#0	-26.85	PASS
Band66	15MHz	16QAM	132047	1RB#74	-53.89	PASS
Band66	15MHz	16QAM	132047	75RB#0	-41.64	PASS
Band66	15MHz	16QAM	132597	1RB#0	-53.70	PASS
Band66	15MHz	16QAM	132597	1RB#74	-26.85	PASS
Band66	15MHz	16QAM	132597	75RB#0	-37.98	PASS
Band66	20MHz	QPSK	132072	1RB#0	-28.70	PASS
Band66	20MHz	QPSK	132072	1RB#99	-53.14	PASS
Band66	20MHz	QPSK	132072	100RB#0	-41.99	PASS
Band66	20MHz	QPSK	132572	1RB#0	-52.95	PASS
Band66	20MHz	QPSK	132572	1RB#99	-27.69	PASS
Band66	20MHz	QPSK	132572	100RB#0	-38.86	PASS
Band66	20MHz	16QAM	132072	1RB#0	-28.87	PASS
Band66	20MHz	16QAM	132072	1RB#99	-52.79	PASS
Band66	20MHz	16QAM	132072	100RB#0	-41.77	PASS
Band66	20MHz	16QAM	132572	1RB#0	-53.07	PASS
Band66	20MHz	16QAM	132572	1RB#99	-28.34	PASS
Band66	20MHz	16QAM	132572	100RB#0	-39.57	PASS

Test Graphs

Band66-1.4MHz-QPSK-131979-1RB#0

Band66-1.4MHz-QPSK-131979-1RB#5
Band66-1.4MHz-QPSK-131979-6RB#0



Band66-1.4MHz-QPSK-132665-1RB#0

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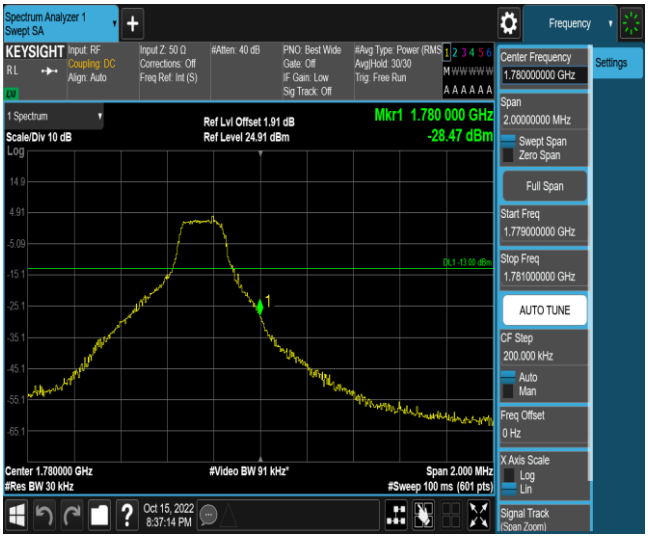

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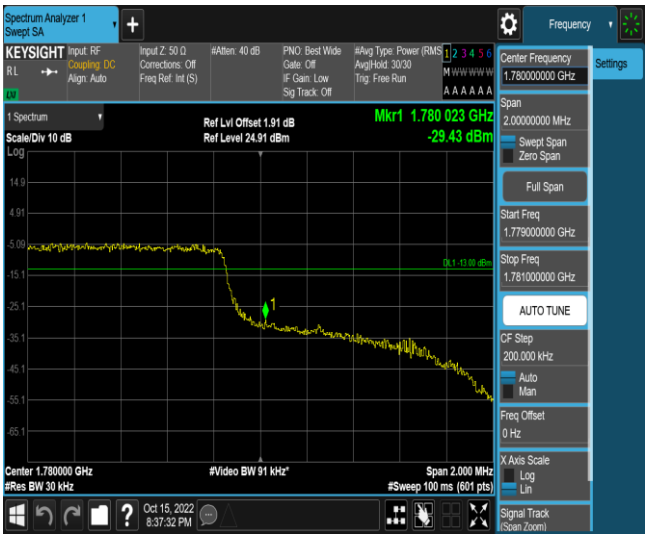

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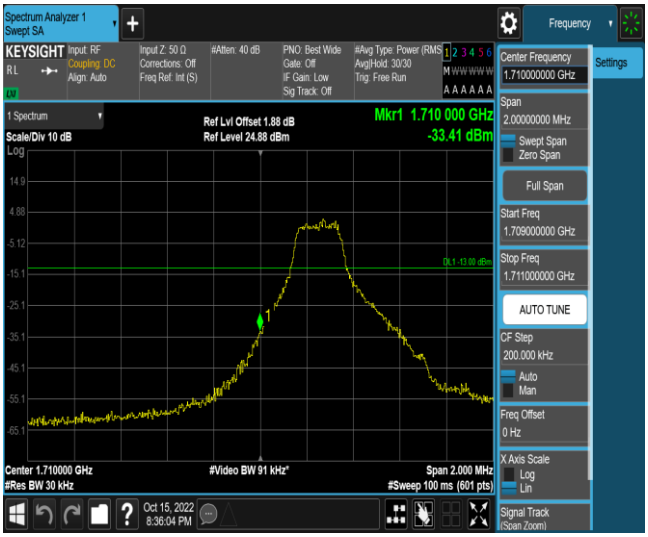
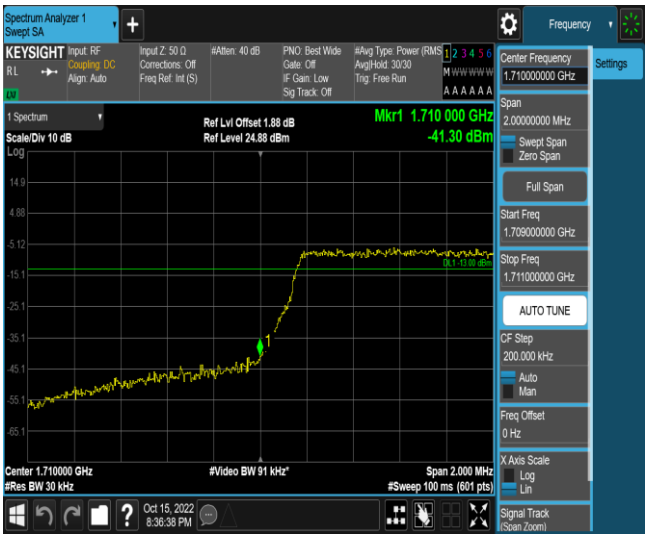
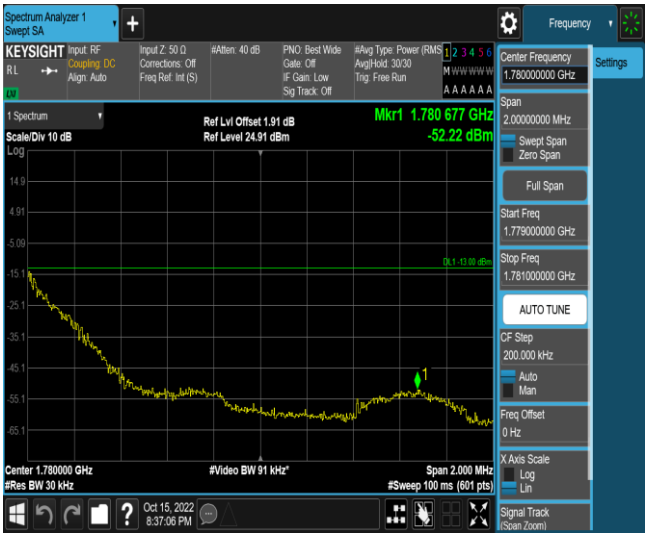


Band66-1.4MHz-16QAM-131979-1RB#5

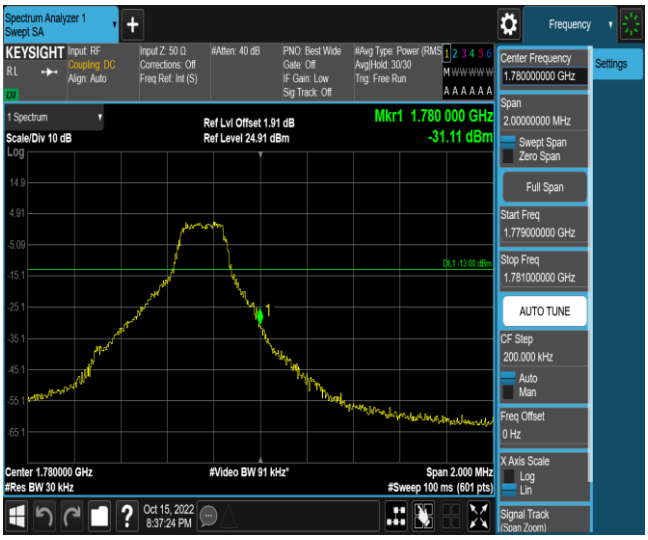
Band66-1.4MHz-16QAM-131979-6RB#0



Band66-1.4MHz-16QAM-132665-1RB#0



Band66-1.4MHz-16QAM-132665-1RB#5



Band66-1.4MHz-16QAM-132665-6RB#0