

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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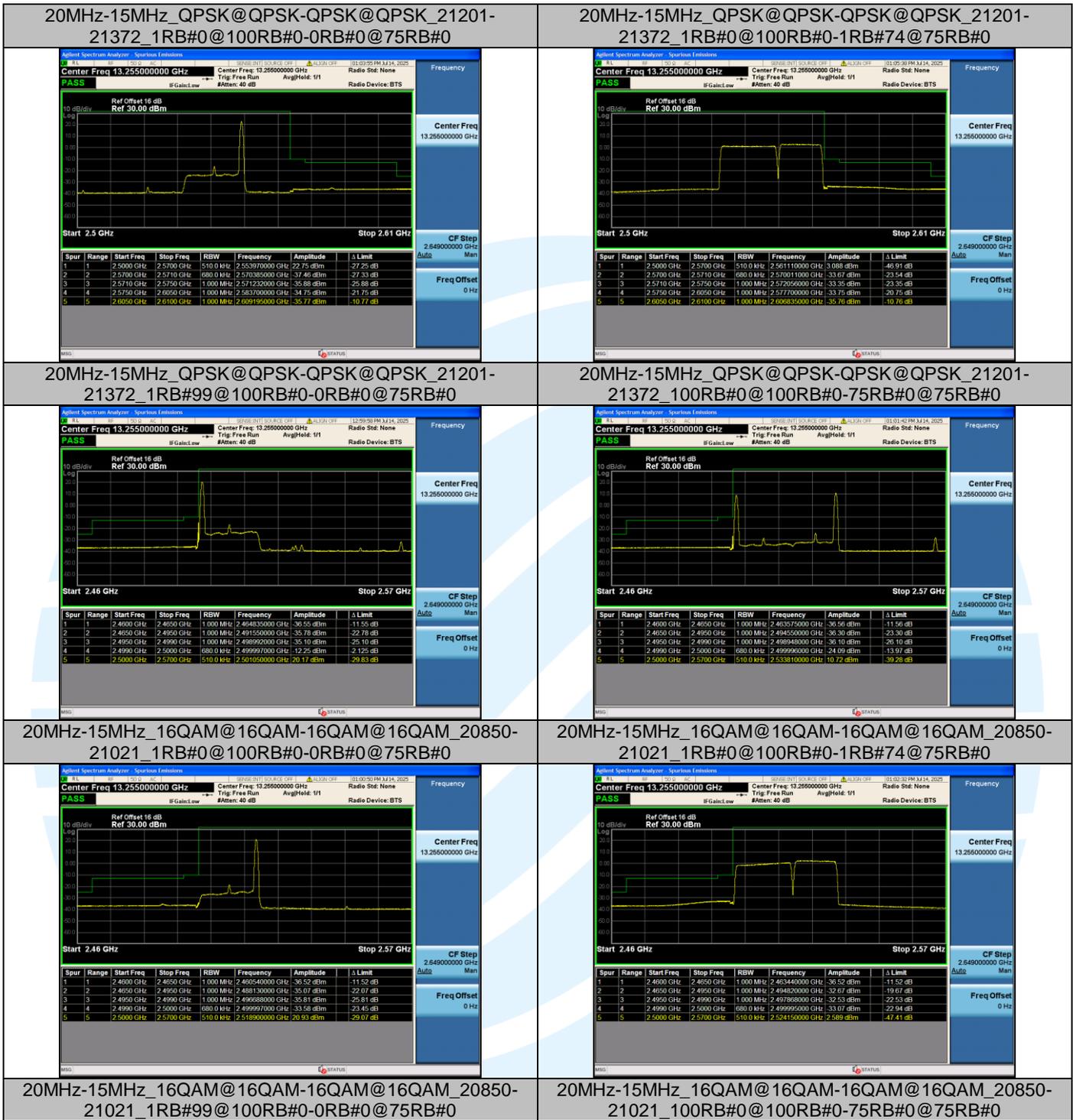
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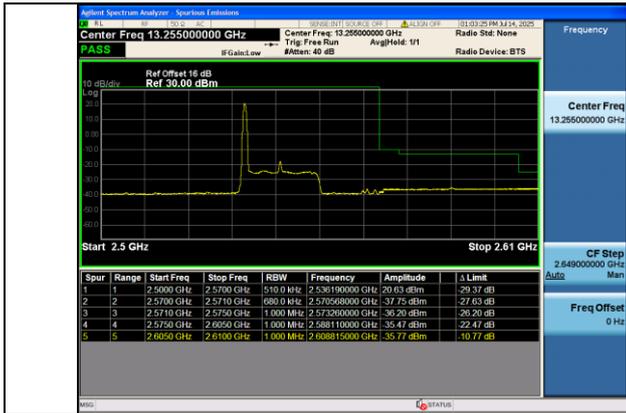
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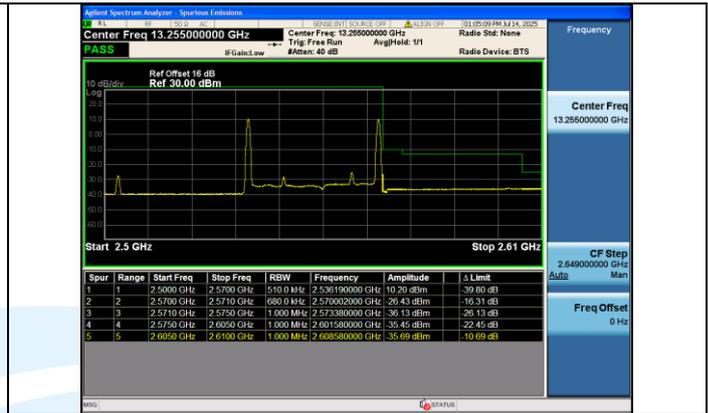
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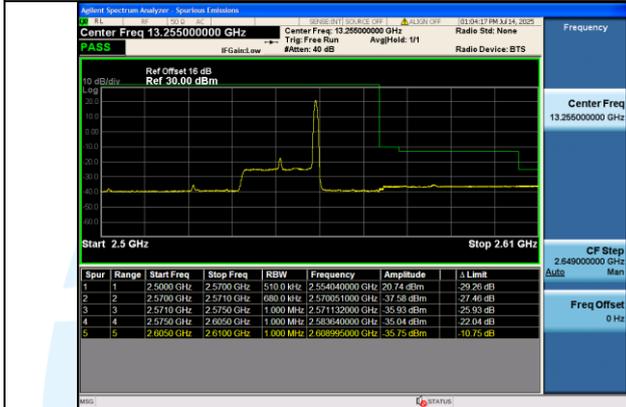




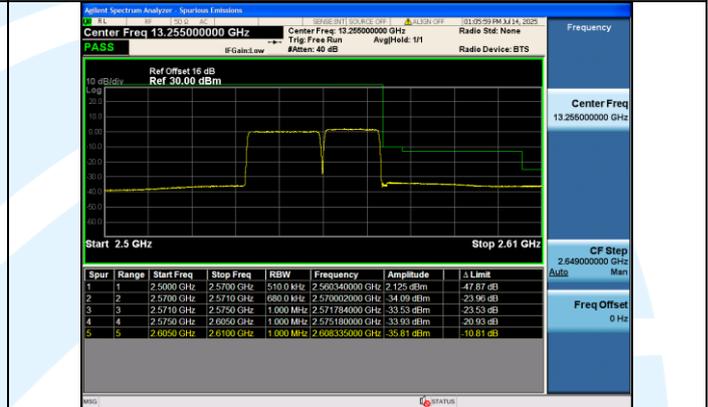
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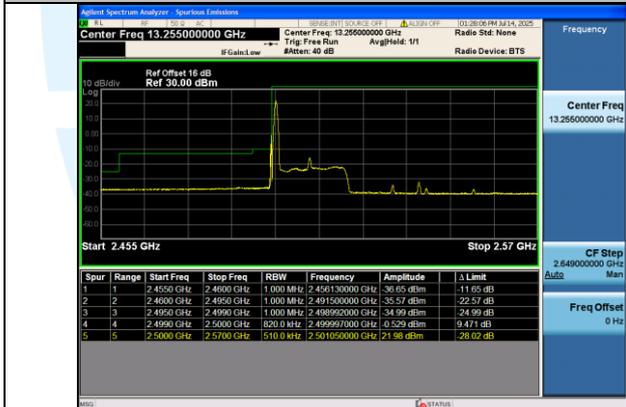
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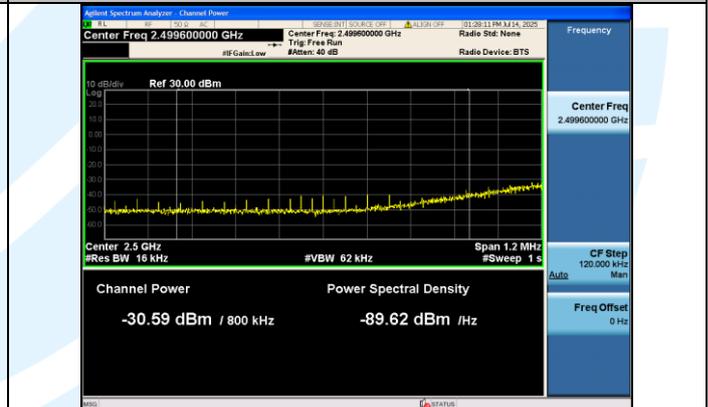
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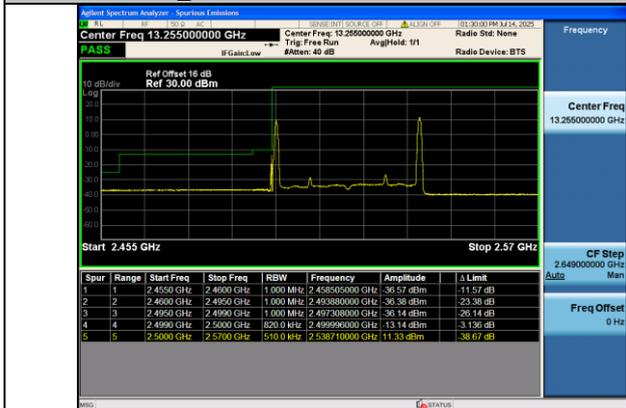
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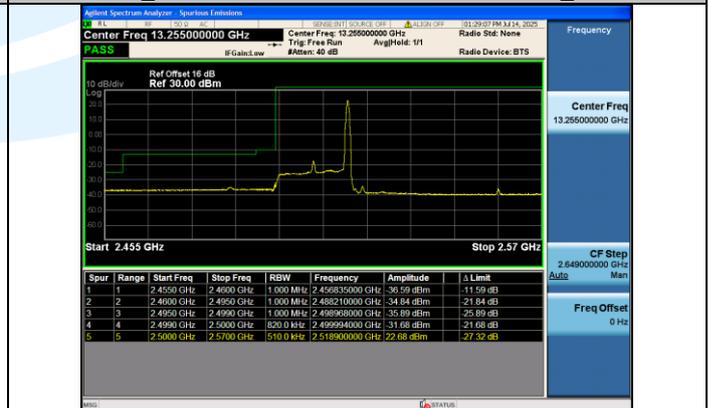
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20MHz-20MHz_QPSK@QPSK-QPSK@QPSK_20850-21048_1RB#0@100RB#0-0RB#0@100RB#0_Final1



20MHz-20MHz_QPSK@QPSK-QPSK@QPSK_20850-



20MHz-20MHz_QPSK@QPSK-QPSK@QPSK_20850-

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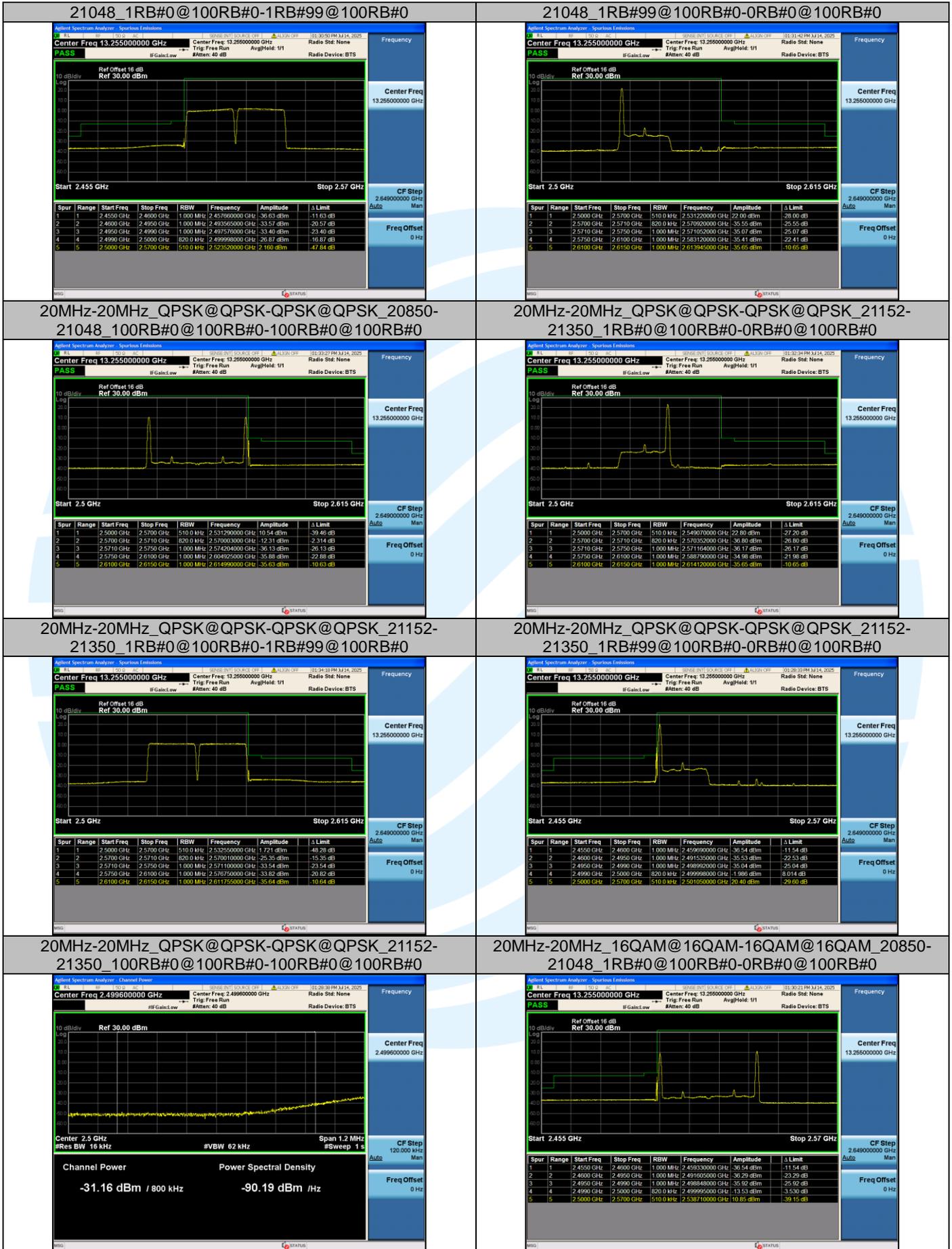
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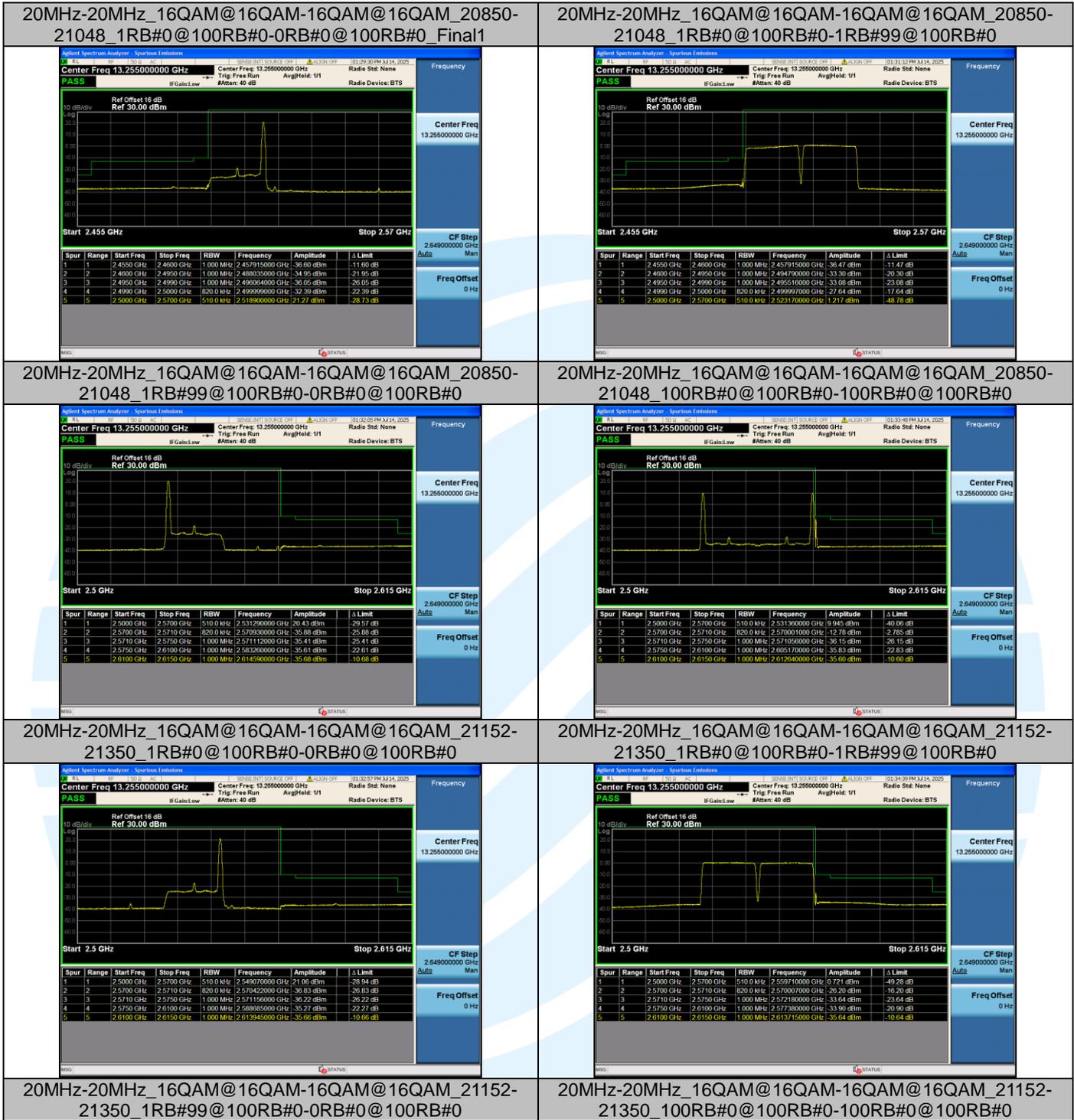
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Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20805-20949	1RB#0@50RB#0-0RB#0@100RB#0	-20.39	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20805-20949	1RB#0@50RB#0-1RB#99@100RB#0	-36.47	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20805-20949	1RB#49@50RB#0-0RB#0@100RB#0	-36.45	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20805-20949	50RB#0@50RB#0-100RB#0@100RB#0	-36.45	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21206-21350	1RB#0@50RB#0-0RB#0@100RB#0	-35.85	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21206-21350	1RB#0@50RB#0-1RB#99@100RB#0	-35.80	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21206-21350	1RB#49@50RB#0-0RB#0@100RB#0	-35.82	PASS
7-7	10MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21206-21350	50RB#0@50RB#0-100RB#0@100RB#0	-35.84	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20825-20945	1RB#0@75RB#0-0RB#0@50RB#0	-13.52	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20825-20945	1RB#0@75RB#0-1RB#49@50RB#0	-36.49	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20825-20945	1RB#74@75RB#0-0RB#0@50RB#0	-36.38	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20825-20945	75RB#0@75RB#0-50RB#0@50RB#0	-36.36	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21277-21397	1RB#0@75RB#0-0RB#0@50RB#0	-35.72	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21277-21397	1RB#0@75RB#0-1RB#49@50RB#0	-35.93	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21277-21397	1RB#74@75RB#0-0RB#0@50RB#0	-35.87	PASS
7-7	15MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21277-21397	75RB#0@75RB#0-50RB#0@50RB#0	-35.85	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20825-20975	1RB#0@75RB#0-0RB#0@75RB#0	--	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20825-20975	1RB#0@75RB#0-0RB#0@75RB#0	-30.29	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20825-20975	1RB#0@75RB#0-1RB#74@75RB#0	-13.63	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20825-20975	1RB#74@75RB#0-0RB#0@75RB#0	-36.48	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20825-20975	75RB#0@75RB#0-75RB#0@75RB#0	-36.48	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21225-21375	1RB#0@75RB#0-0RB#0@75RB#0	-35.79	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21225-21375	1RB#0@75RB#0-1RB#74@75RB#0	-12.67	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21225-21375	1RB#74@75RB#0-0RB#0@75RB#0	-35.82	PASS
7-7	15MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21225-21375	75RB#0@75RB#0-75RB#0@75RB#0	-35.79	PASS
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20828-20999	1RB#0@75RB#0-0RB#0@100RB#0	-16.10	PASS
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20828-20999	1RB#0@75RB#0-1RB#99@100RB#0	-36.50	PASS
7-7	15MHz-	64QAM@64QAM-	20828-	1RB#74@75RB#0-	-36.50	PASS

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	20MHz	64QAM@64QAM	20999	0RB#0@100RB#0		
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20828-20999	75RB#0@75RB#0-100RB#0@100RB#0	-36.47	PASS
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21179-21350	1RB#0@75RB#0-0RB#0@100RB#0	-35.77	PASS
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21179-21350	1RB#0@75RB#0-1RB#99@100RB#0	-35.72	PASS
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21179-21350	1RB#74@75RB#0-0RB#0@100RB#0	-35.72	PASS
7-7	15MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21179-21350	75RB#0@75RB#0-100RB#0@100RB#0	-35.77	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20850-20994	1RB#0@100RB#0-0RB#0@50RB#0	-20.11	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20850-20994	1RB#0@100RB#0-1RB#49@50RB#0	-36.45	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20850-20994	1RB#99@100RB#0-0RB#0@50RB#0	-36.39	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	20850-20994	100RB#0@100RB#0-50RB#0@50RB#0	-36.49	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21251-21395	1RB#0@100RB#0-0RB#0@50RB#0	-35.83	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21251-21395	1RB#0@100RB#0-1RB#49@50RB#0	-35.83	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21251-21395	1RB#99@100RB#0-0RB#0@50RB#0	-35.72	PASS
7-7	20MHz-10MHz	64QAM@64QAM-64QAM@64QAM	21251-21395	100RB#0@100RB#0-50RB#0@50RB#0	-35.79	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20850-21021	1RB#0@100RB#0-0RB#0@75RB#0	-12.52	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20850-21021	1RB#0@100RB#0-1RB#74@75RB#0	-36.59	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20850-21021	1RB#99@100RB#0-0RB#0@75RB#0	-36.43	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	20850-21021	100RB#0@100RB#0-75RB#0@75RB#0	-36.54	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21201-21372	1RB#0@100RB#0-0RB#0@75RB#0	-35.69	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21201-21372	1RB#0@100RB#0-1RB#74@75RB#0	-35.78	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21201-21372	1RB#99@100RB#0-0RB#0@75RB#0	-35.75	PASS
7-7	20MHz-15MHz	64QAM@64QAM-64QAM@64QAM	21201-21372	100RB#0@100RB#0-75RB#0@75RB#0	-35.65	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20850-21048	1RB#0@100RB#0-0RB#0@100RB#0	--	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20850-21048	1RB#0@100RB#0-0RB#0@100RB#0	-31.22	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20850-21048	1RB#0@100RB#0-1RB#99@100RB#0	-13.60	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20850-21048	1RB#99@100RB#0-0RB#0@100RB#0	-36.58	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	20850-21048	100RB#0@100RB#0-100RB#0@100RB#0	-36.49	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21152-21350	1RB#0@100RB#0-0RB#0@100RB#0	-35.65	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21152-21350	1RB#0@100RB#0-1RB#99@100RB#0	-12.73	PASS
7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21152-21350	1RB#99@100RB#0-0RB#0@100RB#0	-35.68	PASS

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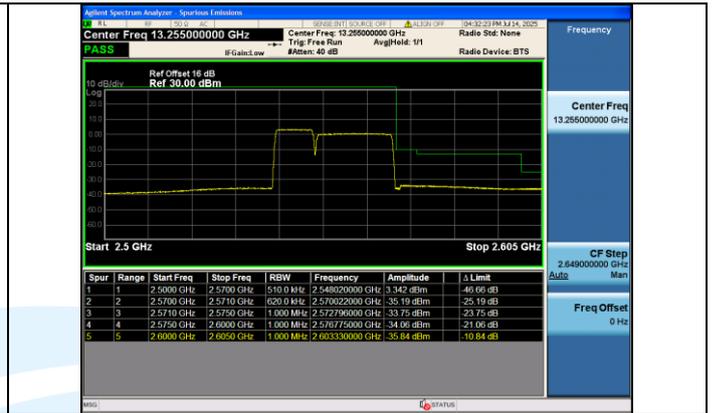
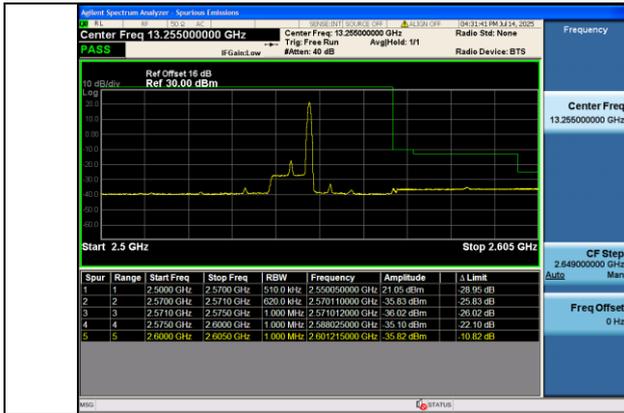
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7-7	20MHz-20MHz	64QAM@64QAM-64QAM@64QAM	21152-21350	100RB#0@100RB#0-100RB#0@100RB#0	-35.71	PASS
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Test Graphs

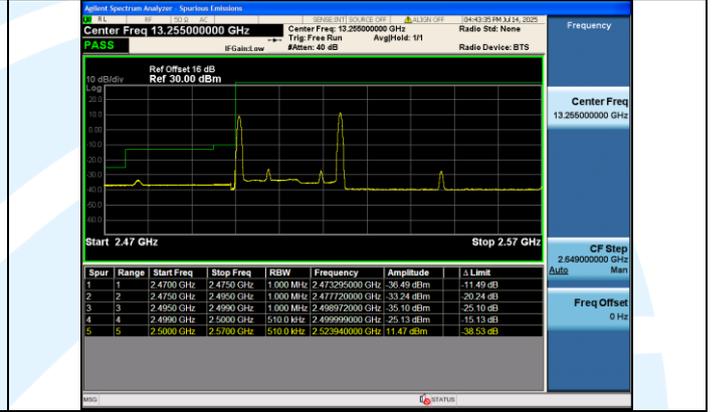
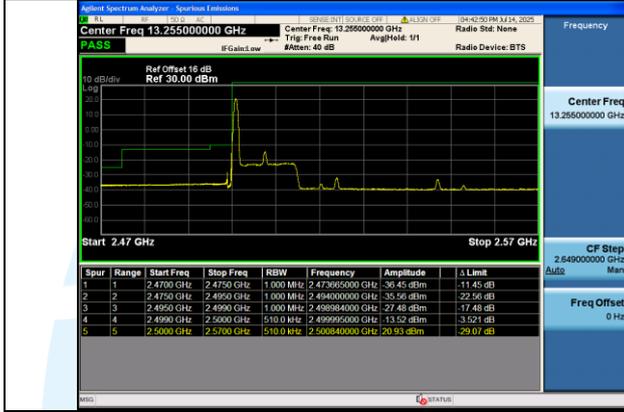
The following table summarizes the test configurations and results shown in the screenshots:

Test Case	Center Freq (GHz)	Start Freq (GHz)	Stop Freq (GHz)	RBW (kHz)	Frequency (GHz)	Amplitude (dBm)	Δ Limit (dB)
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_20805-20949_1RB#0@50RB#0-0RB#0@100RB#0	13.255000000	2.465	2.57	1000	2.465, 2.470, 2.490, 2.495, 2.500	-35.54, -35.73, -25.25, -29.35	-11.54, -22.73, 25.25, 29.35
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_20805-20949_1RB#0@50RB#0-1RB#99@100RB#0	13.255000000	2.465	2.57	1000	2.465, 2.470, 2.490, 2.495, 2.500	-36.45, -32.57, -32.33, -34.07, -29.12	-11.45, -19.57, 22.33, 24.07, 29.12
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_20805-20949_1RB#49@50RB#0-0RB#0@100RB#0	13.255000000	2.465	2.57	1000	2.465, 2.470, 2.490, 2.495, 2.500	-35.23, -37.39, -28.88	-25.23, 27.39, 29.12
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_20805-20949_50RB#0@50RB#0-100RB#0@100RB#0	13.255000000	2.465	2.57	1000	2.465, 2.470, 2.490, 2.495, 2.500	-36.07, -34.07, -24.07	-26.07, 24.07, 29.12
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_21206-21350_1RB#0@50RB#0-0RB#0@100RB#0	13.255000000	2.5	2.605	1000	2.500, 2.510, 2.570, 2.575, 2.590, 2.600	-20.65, -38.12, -26.24, -35.14, -35.85	-29.35, 28.12, 26.24, 35.14, 35.85
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_21206-21350_1RB#0@50RB#0-1RB#99@100RB#0	13.255000000	2.5	2.605	1000	2.500, 2.510, 2.570, 2.575, 2.590, 2.600	-9.991, -30.20, -36.20, -31.54, -35.80	-40.01, 20.20, 26.20, 31.54, 35.80



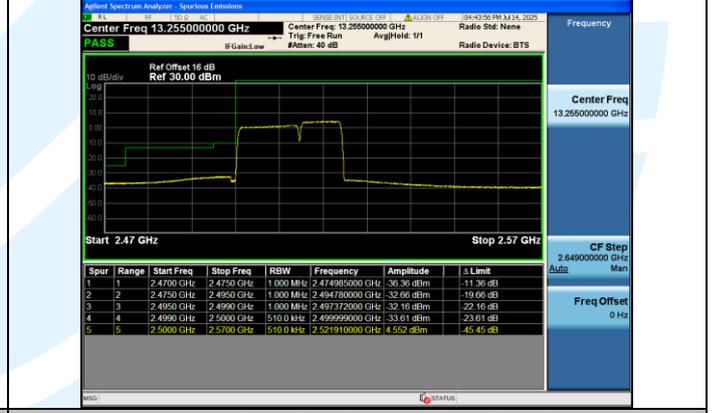
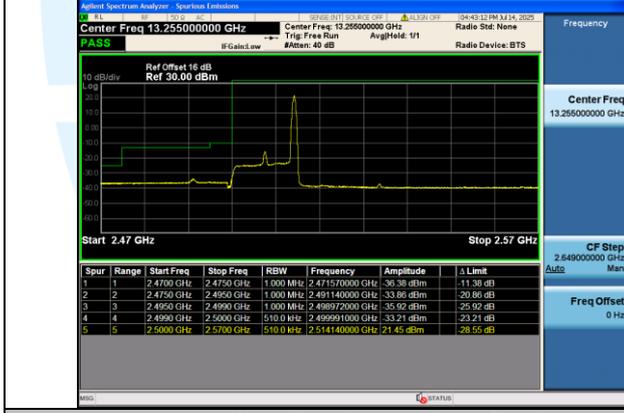
10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_21206-21350_1RB#49@50RB#0-0RB#0@100RB#0

10MHz-20MHz_64QAM@64QAM-64QAM@64QAM_21206-21350_50RB#0@50RB#0-100RB#0@100RB#0



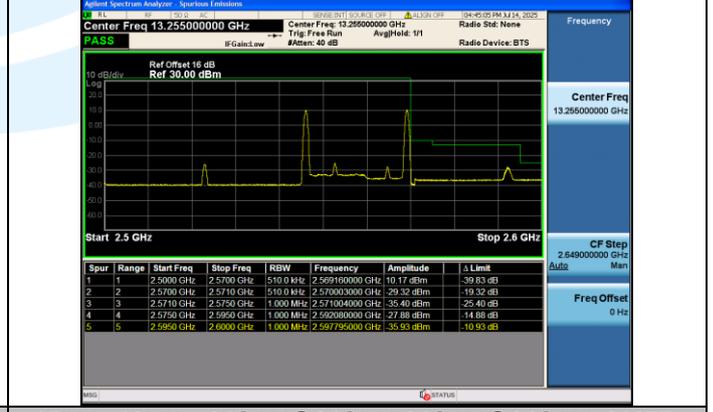
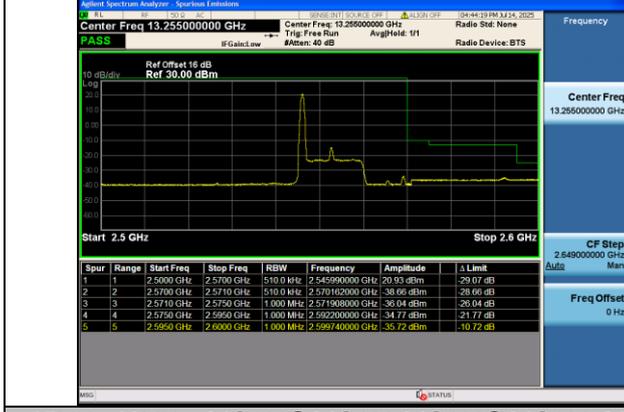
15MHz-10MHz_64QAM@64QAM-64QAM@64QAM_20825-20945_1RB#0@75RB#0-0RB#0@50RB#0

15MHz-10MHz_64QAM@64QAM-64QAM@64QAM_20825-20945_1RB#0@75RB#0-1RB#49@50RB#0



15MHz-10MHz_64QAM@64QAM-64QAM@64QAM_20825-20945_1RB#74@75RB#0-0RB#0@50RB#0

15MHz-10MHz_64QAM@64QAM-64QAM@64QAM_20825-20945_75RB#0@75RB#0-50RB#0@50RB#0



15MHz-10MHz_64QAM@64QAM-64QAM@64QAM_21277-

15MHz-10MHz_64QAM@64QAM-64QAM@64QAM_21277-

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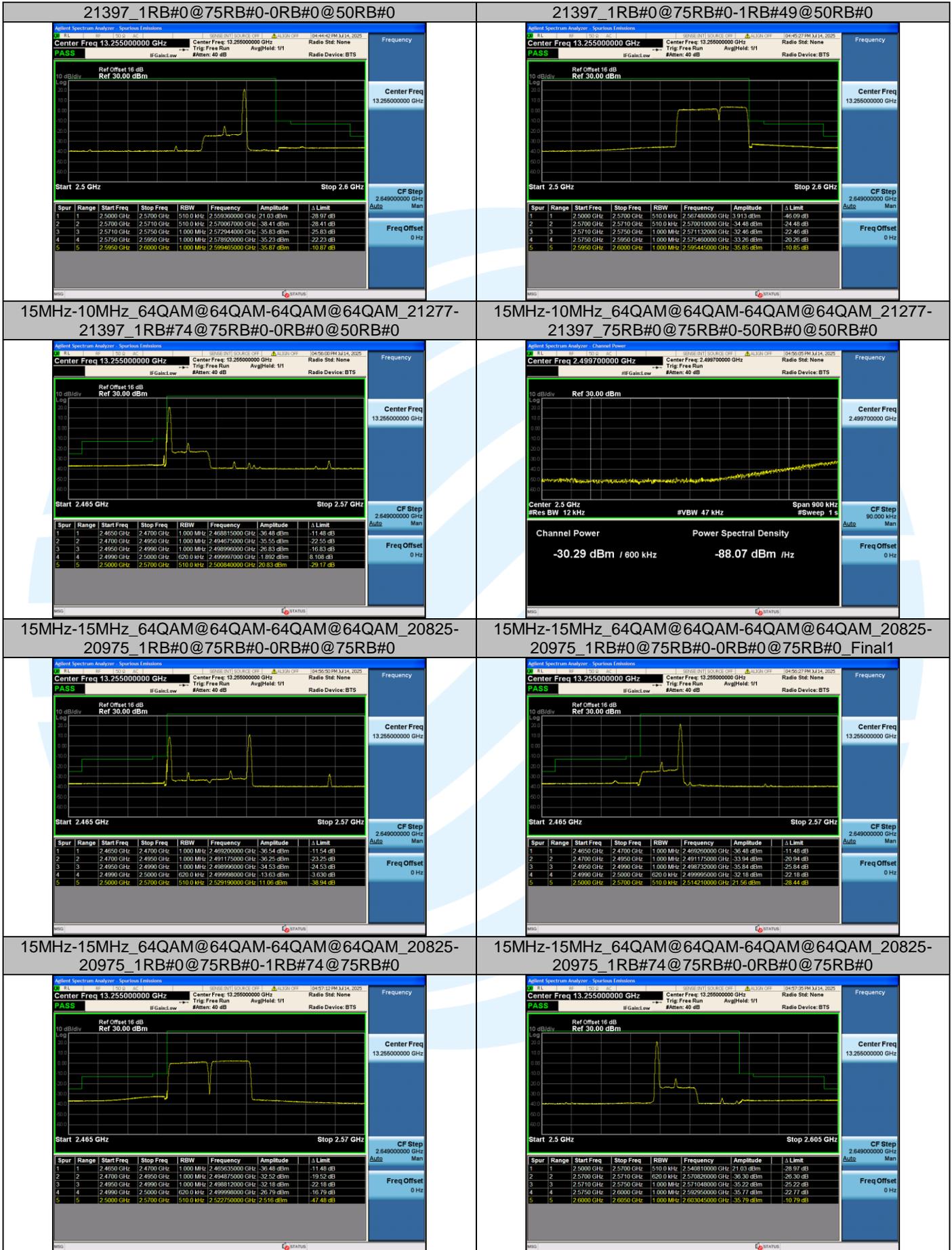
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