

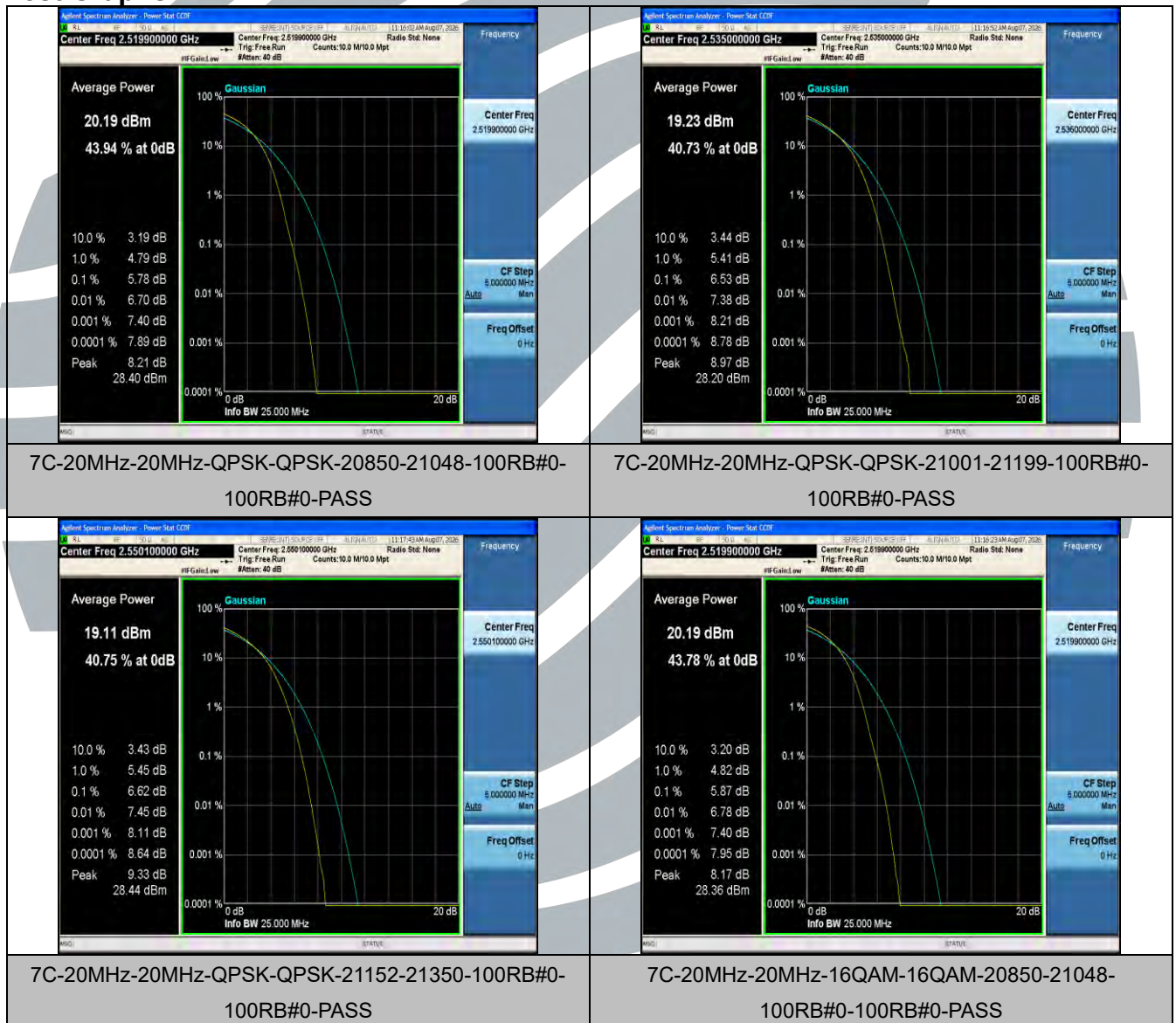
APPENDIX B LTE CA_7C RF TEST DATA

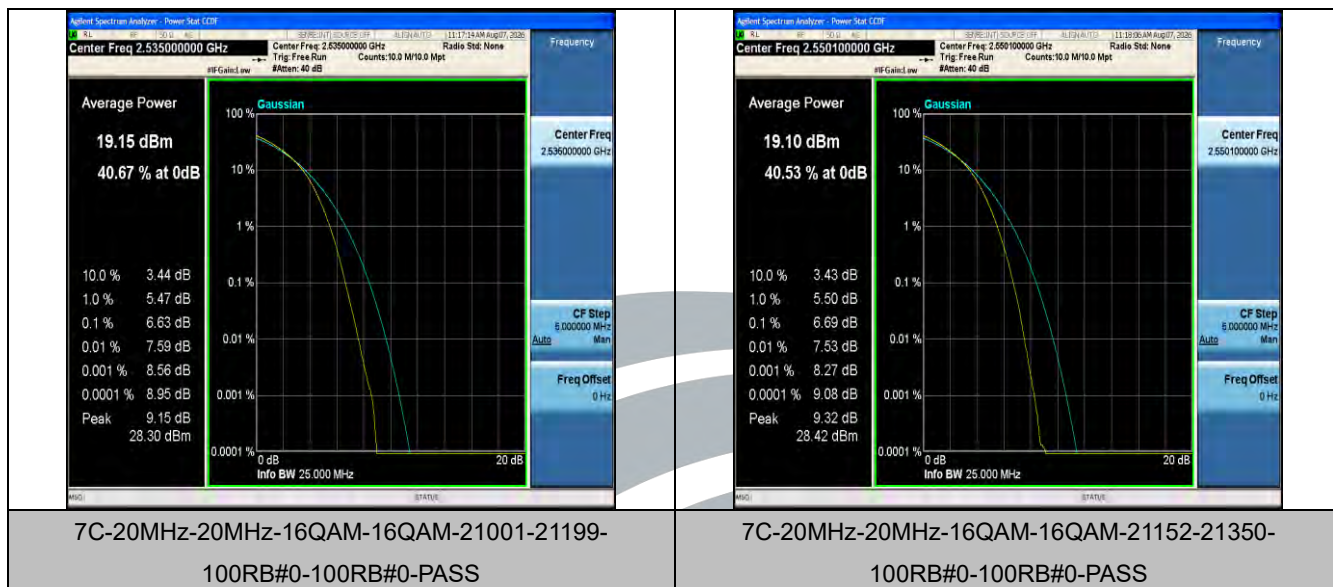
B.1 PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	BW (MHz)	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
7C	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	5.78	13	PASS
7C	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	6.53	13	PASS
7C	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	6.62	13	PASS
7C	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	5.87	13	PASS
7C	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	6.63	13	PASS
7C	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	6.69	13	PASS

Test Graphs



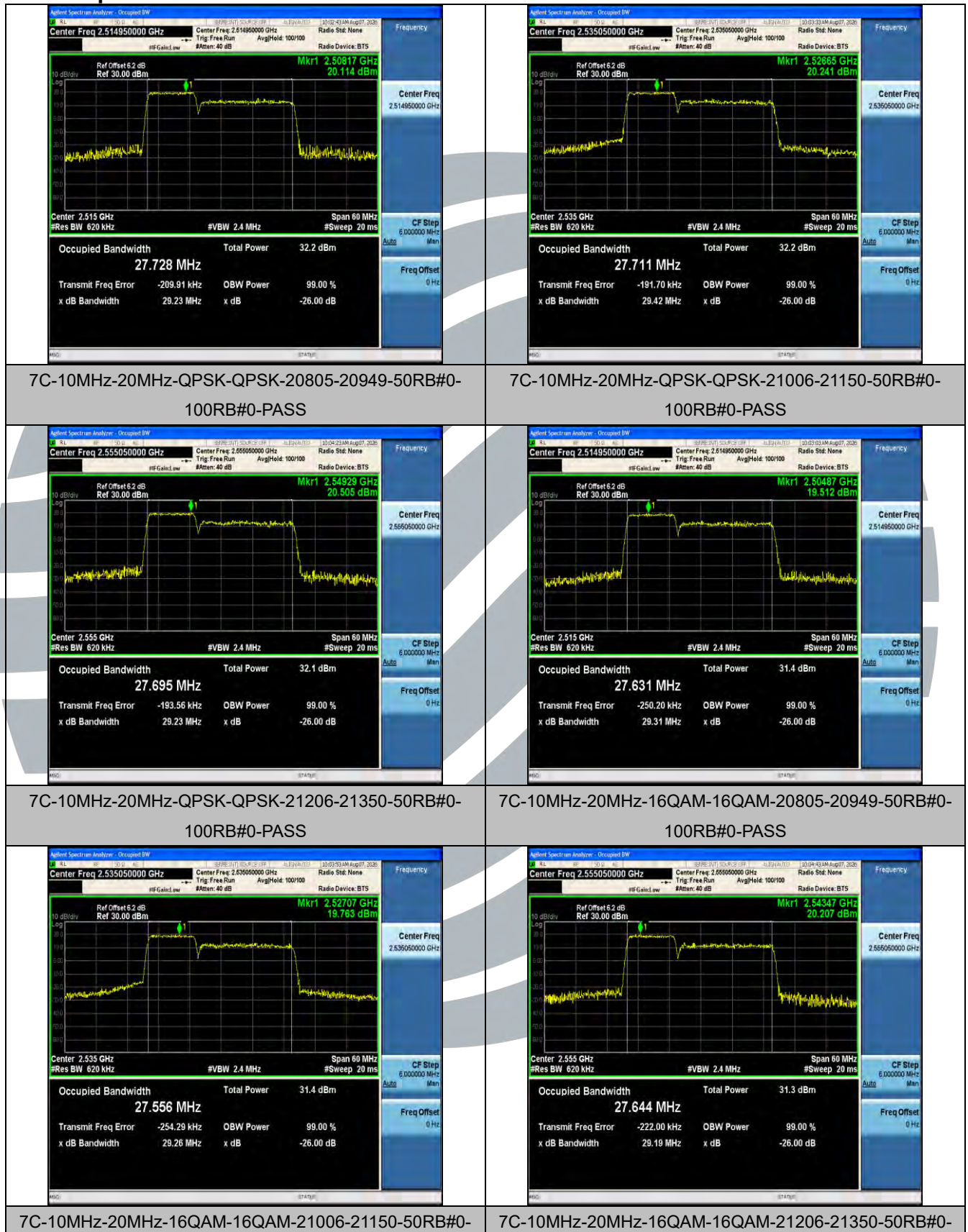


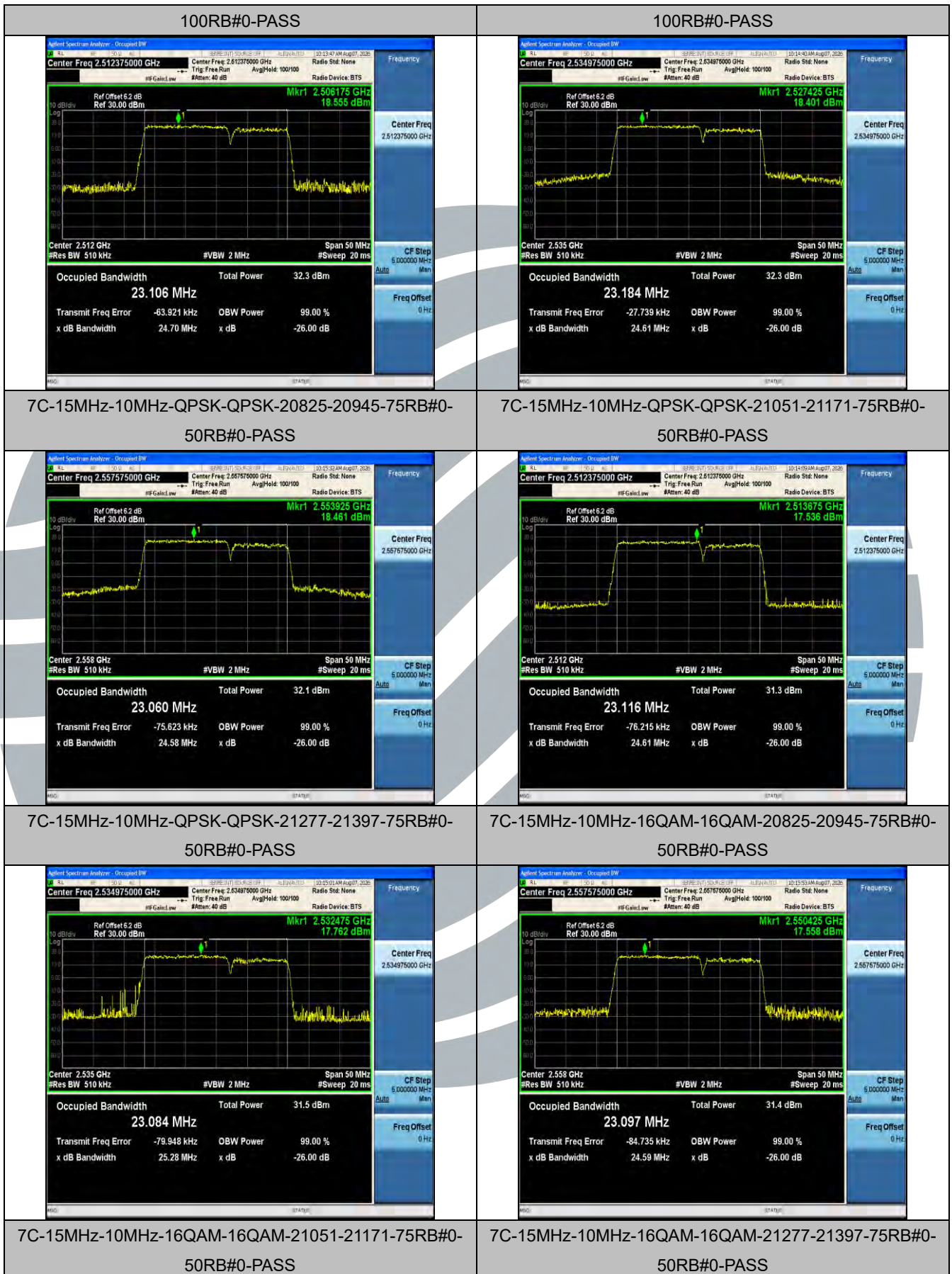
B.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

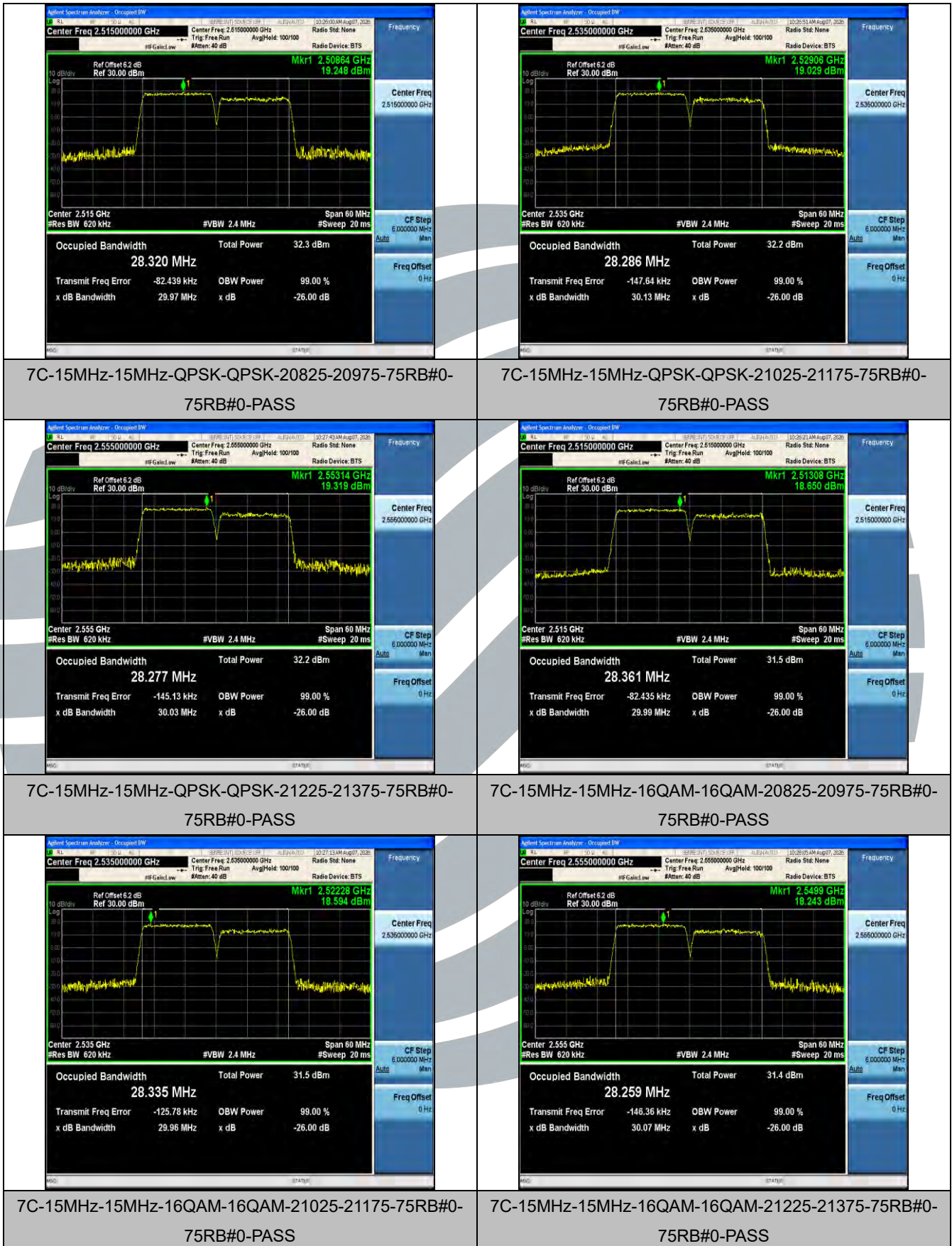
Test Result

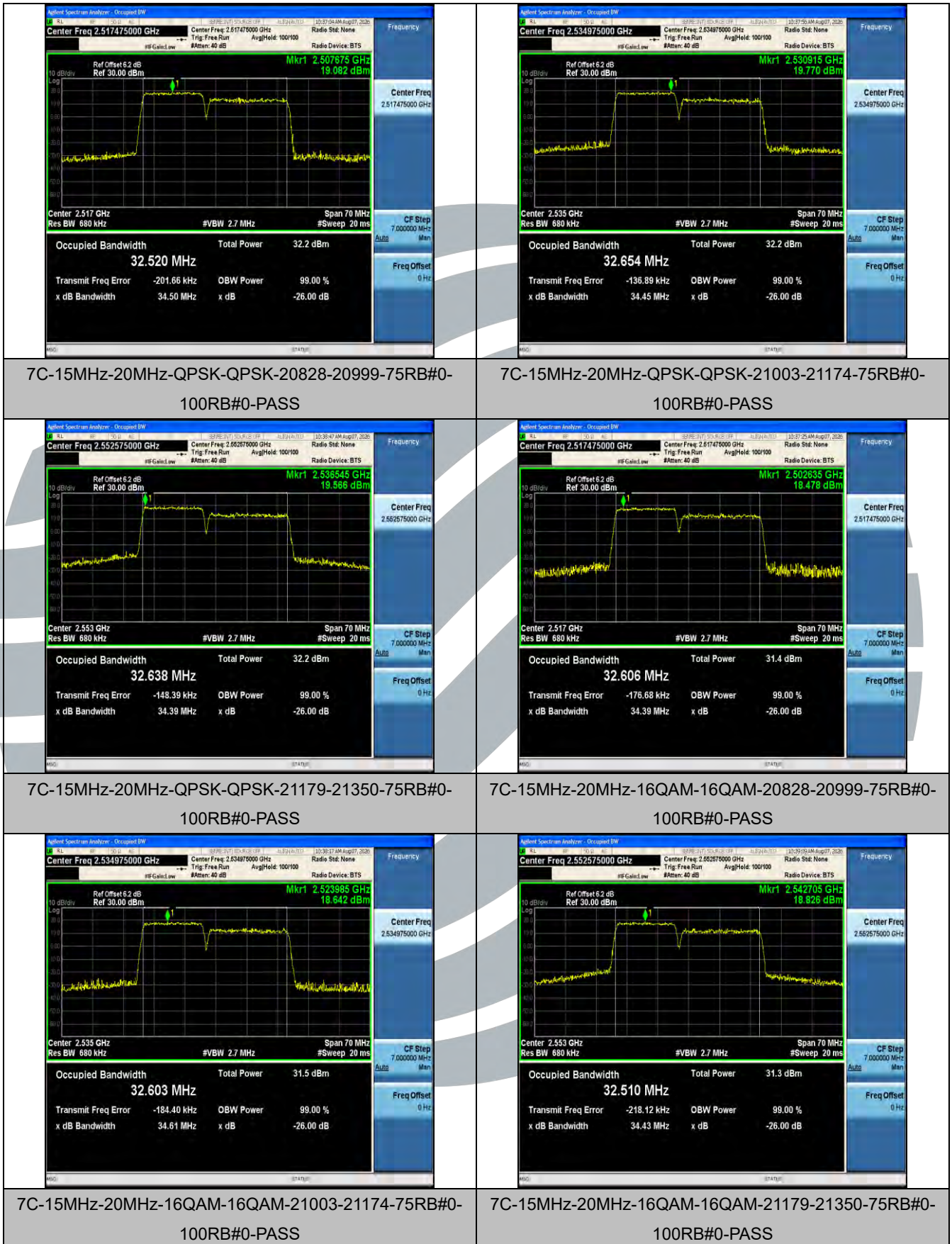
Band	BW (MHz)	Modulation	Channel	RB Configuration	OBW (MHz)	26dB Bandwidth (MHz)	Verdict
7C	10MHz-20MHz	QPSK-QPSK	20805-20949	50RB#0-100RB#0	27.728	29.23	PASS
7C	10MHz-20MHz	QPSK-QPSK	21006-21150	50RB#0-100RB#0	27.711	29.42	PASS
7C	10MHz-20MHz	QPSK-QPSK	21206-21350	50RB#0-100RB#0	27.695	29.23	PASS
7C	10MHz-20MHz	16QAM-16QAM	20805-20949	50RB#0-100RB#0	27.631	29.31	PASS
7C	10MHz-20MHz	16QAM-16QAM	21006-21150	50RB#0-100RB#0	27.556	29.26	PASS
7C	10MHz-20MHz	16QAM-16QAM	21206-21350	50RB#0-100RB#0	27.644	29.19	PASS
7C	15MHz-10MHz	QPSK-QPSK	20825-20945	75RB#0-50RB#0	23.106	24.70	PASS
7C	15MHz-10MHz	QPSK-QPSK	21051-21171	75RB#0-50RB#0	23.184	24.61	PASS
7C	15MHz-10MHz	QPSK-QPSK	21277-21397	75RB#0-50RB#0	23.060	24.58	PASS
7C	15MHz-10MHz	16QAM-16QAM	20825-20945	75RB#0-50RB#0	23.116	24.61	PASS
7C	15MHz-10MHz	16QAM-16QAM	21051-21171	75RB#0-50RB#0	23.084	25.28	PASS
7C	15MHz-10MHz	16QAM-16QAM	21277-21397	75RB#0-50RB#0	23.097	24.59	PASS
7C	15MHz-15MHz	QPSK-QPSK	20825-20975	75RB#0-75RB#0	28.320	29.97	PASS
7C	15MHz-15MHz	QPSK-QPSK	21025-21175	75RB#0-75RB#0	28.286	30.13	PASS
7C	15MHz-15MHz	QPSK-QPSK	21225-21375	75RB#0-75RB#0	28.277	30.03	PASS
7C	15MHz-15MHz	16QAM-16QAM	20825-20975	75RB#0-75RB#0	28.361	29.99	PASS
7C	15MHz-15MHz	16QAM-16QAM	21025-21175	75RB#0-75RB#0	28.335	29.96	PASS
7C	15MHz-15MHz	16QAM-16QAM	21225-21375	75RB#0-75RB#0	28.259	30.07	PASS
7C	15MHz-20MHz	QPSK-QPSK	20828-20999	75RB#0-100RB#0	32.520	34.50	PASS
7C	15MHz-20MHz	QPSK-QPSK	21003-21174	75RB#0-100RB#0	32.654	34.45	PASS
7C	15MHz-20MHz	QPSK-QPSK	21179-21350	75RB#0-100RB#0	32.638	34.39	PASS
7C	15MHz-20MHz	16QAM-16QAM	20828-20999	75RB#0-100RB#0	32.606	34.39	PASS
7C	15MHz-20MHz	16QAM-16QAM	21003-21174	75RB#0-100RB#0	32.603	34.61	PASS
7C	15MHz-20MHz	16QAM-16QAM	21179-21350	75RB#0-100RB#0	32.510	34.43	PASS
7C	20MHz-10MHz	QPSK-QPSK	20850-20994	100RB#0-50RB#0	27.761	29.59	PASS
7C	20MHz-10MHz	QPSK-QPSK	21051-21195	100RB#0-50RB#0	27.719	29.56	PASS
7C	20MHz-10MHz	QPSK-QPSK	21251-21395	100RB#0-50RB#0	27.752	29.45	PASS
7C	20MHz-10MHz	16QAM-16QAM	20850-20994	100RB#0-50RB#0	27.746	29.35	PASS
7C	20MHz-10MHz	16QAM-16QAM	21051-21195	100RB#0-50RB#0	27.688	29.49	PASS
7C	20MHz-10MHz	16QAM-16QAM	21251-21395	100RB#0-50RB#0	27.681	29.57	PASS
7C	20MHz-15MHz	QPSK-QPSK	20850-21021	100RB#0-75RB#0	32.645	34.62	PASS
7C	20MHz-15MHz	QPSK-QPSK	21026-21197	100RB#0-75RB#0	32.612	34.58	PASS
7C	20MHz-15MHz	QPSK-QPSK	21201-21372	100RB#0-75RB#0	32.592	34.55	PASS
7C	20MHz-15MHz	16QAM-16QAM	20850-21021	100RB#0-75RB#0	32.562	34.61	PASS
7C	20MHz-15MHz	16QAM-16QAM	21026-21197	100RB#0-75RB#0	32.584	34.57	PASS
7C	20MHz-15MHz	16QAM-16QAM	21201-21372	100RB#0-75RB#0	32.520	34.52	PASS
7C	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	37.543	39.61	PASS
7C	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	37.497	39.61	PASS
7C	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	37.554	39.59	PASS
7C	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	37.481	39.64	PASS
7C	20MHz-20MHz	16QAM-16QAM	21001-21199	100RB#0-100RB#0	37.485	39.63	PASS
7C	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	37.466	39.71	PASS

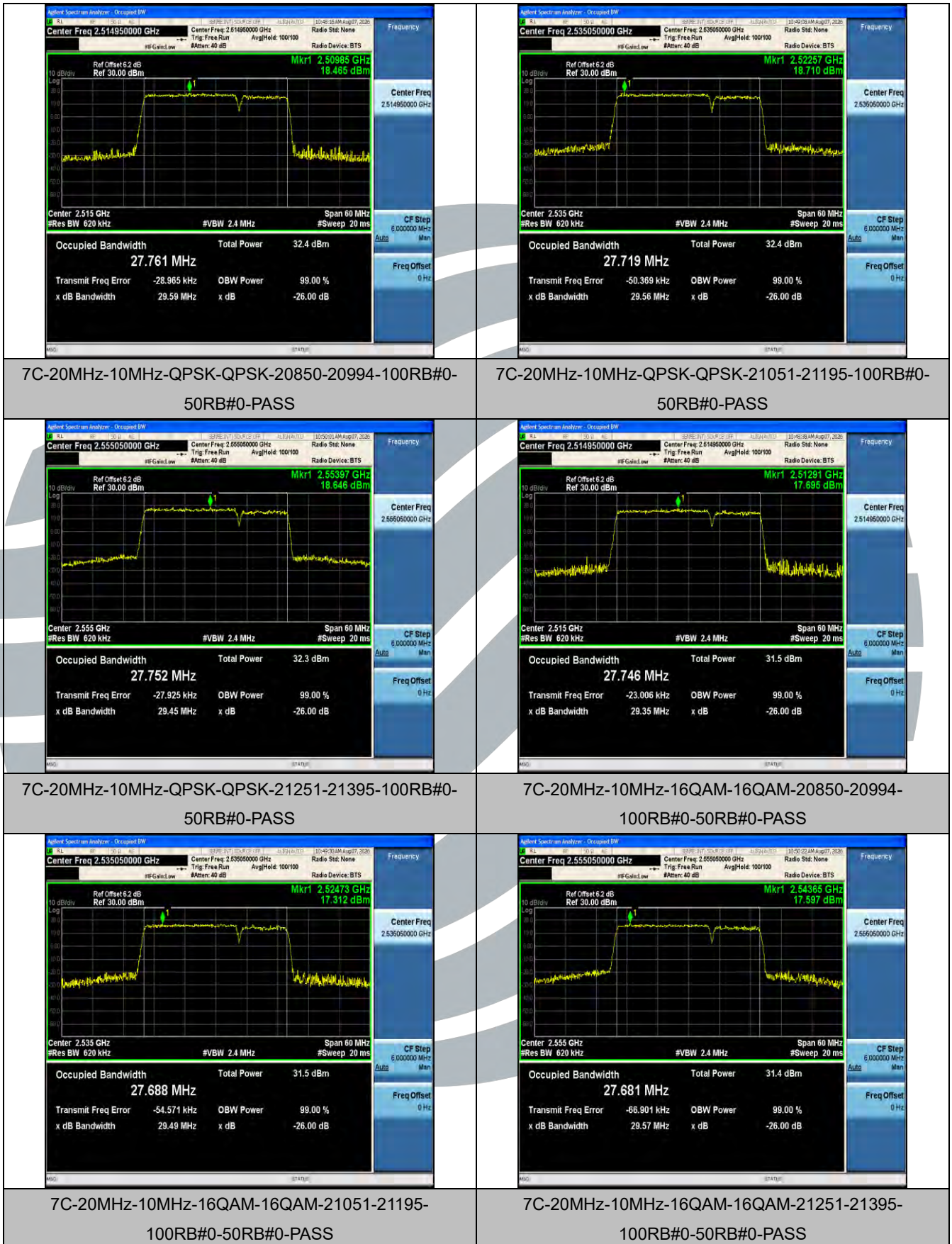
Test Graphs









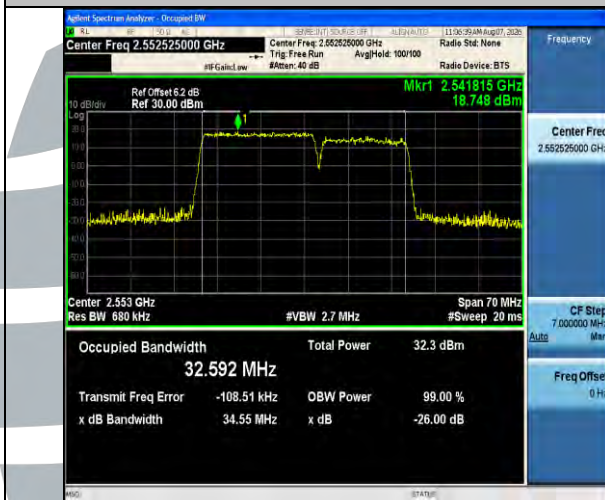




7C-20MHz-15MHz-QPSK-QPSK-20850-21021-100RB#0-75RB#0-PASS



7C-20MHz-15MHz-QPSK-QPSK-21026-21197-100RB#0-75RB#0-PASS



7C-20MHz-15MHz-QPSK-QPSK-21201-21372-100RB#0-75RB#0-PASS



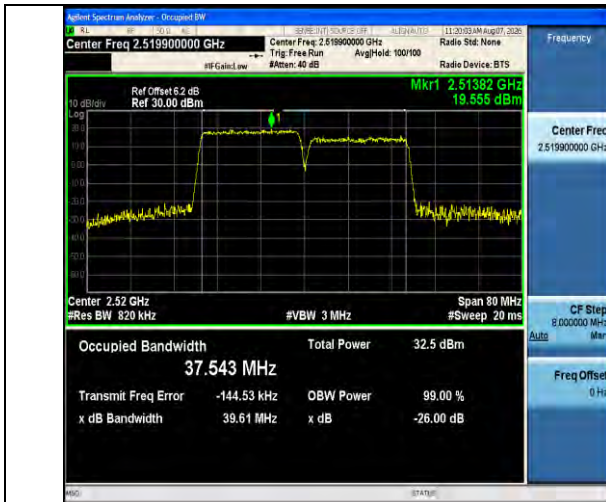
7C-20MHz-15MHz-16QAM-16QAM-20850-21021-100RB#0-75RB#0-PASS



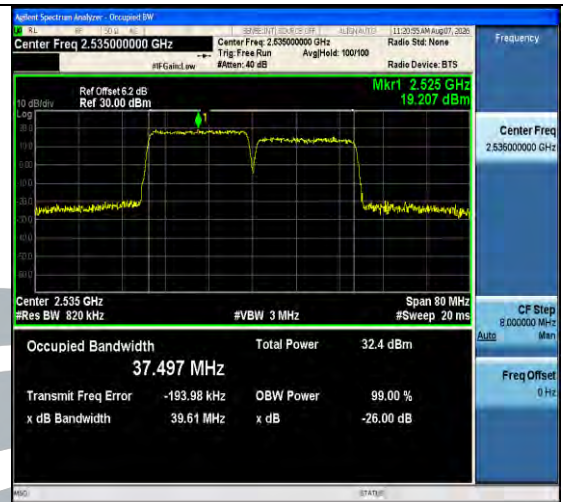
7C-20MHz-15MHz-16QAM-16QAM-21026-21197-100RB#0-75RB#0-PASS



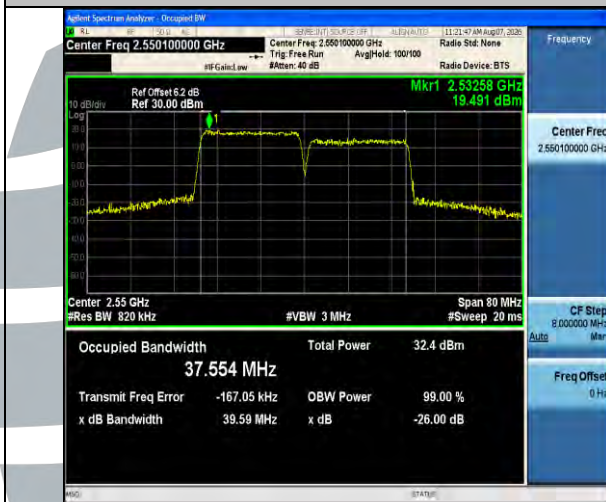
7C-20MHz-15MHz-16QAM-16QAM-21201-21372-100RB#0-75RB#0-PASS



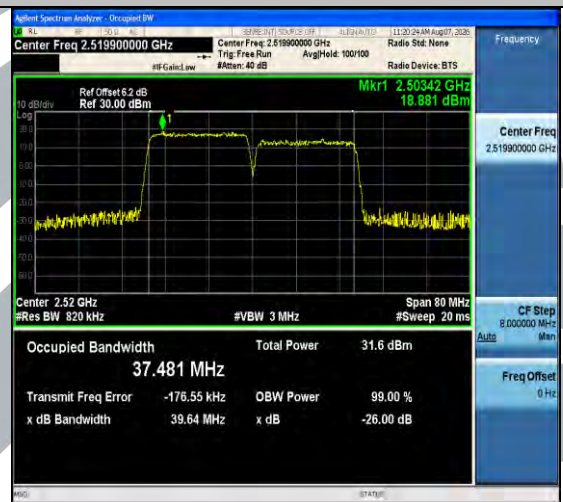
7C-20MHz-20MHz-QPSK-QPSK-20850-21048-100RB#0-100RB#0-PASS



7C-20MHz-20MHz-QPSK-QPSK-21001-21199-100RB#0-100RB#0-PASS



7C-20MHz-20MHz-QPSK-QPSK-21152-21350-100RB#0-100RB#0-PASS



7C-20MHz-20MHz-16QAM-16QAM-20850-21048-100RB#0-100RB#0-PASS



7C-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0-PASS



7C-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0-PASS

B.3 BAND EDGE

Test Result

Band	BW (MHz)	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20805-20949	1RB#0@50RB#0-0RB#0@100RB#0	-46.45	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20805-20949	1RB#0@50RB#0-1RB#99@100RB#0	-46.46	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20805-20949	1RB#49@50RB#0-0RB#0@100RB#0	-46.48	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20805-20949	50RB#0@50RB#0-100RB#0@100RB#0	-46.48	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21206-21350	1RB#0@50RB#0-0RB#0@100RB#0	-45.81	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21206-21350	1RB#0@50RB#0-1RB#99@100RB#0	-45.72	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21206-21350	1RB#49@50RB#0-0RB#0@100RB#0	-45.79	PASS
7C	10MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21206-21350	50RB#0@50RB#0-100RB#0@100RB#0	-45.34	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20805-20949	1RB#0@50RB#0-0RB#0@100RB#0	-46.53	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20805-20949	1RB#0@50RB#0-1RB#99@100RB#0	-46.56	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20805-20949	1RB#49@50RB#0-0RB#0@100RB#0	-46.48	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20805-20949	50RB#0@50RB#0-100RB#0@100RB#0	-46.45	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21206-21350	1RB#0@50RB#0-0RB#0@100RB#0	-45.79	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21206-21350	1RB#0@50RB#0-1RB#99@100RB#0	-45.83	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21206-21350	1RB#49@50RB#0-0RB#0@100RB#0	-45.75	PASS
7C	10MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21206-21350	50RB#0@50RB#0-100RB#0@100RB#0	-45.57	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20825-20945	1RB#0@75RB#0-0RB#0@50RB#0	-46.45	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20825-20945	1RB#0@75RB#0-1RB#49@50RB#0	-46.50	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20825-20945	1RB#74@75RB#0-0RB#0@50RB#0	-46.44	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20825-20945	75RB#0@75RB#0-50RB#0@50RB#0	-46.30	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21277-21397	1RB#0@75RB#0-0RB#0@50RB#0	-45.85	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21277-21397	1RB#0@75RB#0-1RB#49@50RB#0	-45.90	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21277-21397	1RB#74@75RB#0-0RB#0@50RB#0	-45.81	PASS
7C	15MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21277-21397	75RB#0@75RB#0-50RB#0@50RB#0	-41.39	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20825-20945	1RB#0@75RB#0-0RB#0@50RB#0	-46.30	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20825-20945	1RB#0@75RB#0-1RB#49@50RB#0	-46.43	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20825-20945	1RB#74@75RB#0-0RB#0@50RB#0	-46.54	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20825-20945	75RB#0@75RB#0-50RB#0@50RB#0	-46.39	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21277-21397	1RB#0@75RB#0-0RB#0@50RB#0	-45.94	PASS

7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21277-21397	1RB#0@75RB#0-1RB#49@50RB#0	-45.92	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21277-21397	1RB#74@75RB#0-0RB#0@50RB#0	-45.77	PASS
7C	15MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21277-21397	75RB#0@75RB#0-50RB#0@50RB#0	-43.61	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20825-20975	1RB#0@75RB#0-0RB#0@75RB#0	-46.40	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20825-20975	1RB#0@75RB#0-1RB#74@75RB#0	-46.59	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20825-20975	1RB#74@75RB#0-0RB#0@75RB#0	-46.49	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20825-20975	75RB#0@75RB#0-75RB#0@75RB#0	-46.53	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21225-21375	1RB#0@75RB#0-0RB#0@75RB#0	-45.74	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21225-21375	1RB#0@75RB#0-1RB#74@75RB#0	-45.84	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21225-21375	1RB#74@75RB#0-0RB#0@75RB#0	-45.78	PASS
7C	15MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21225-21375	75RB#0@75RB#0-75RB#0@75RB#0	-44.89	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20825-20975	1RB#0@75RB#0-0RB#0@75RB#0	-46.53	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20825-20975	1RB#0@75RB#0-1RB#74@75RB#0	-46.62	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20825-20975	1RB#74@75RB#0-0RB#0@75RB#0	-46.63	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20825-20975	75RB#0@75RB#0-75RB#0@75RB#0	-46.56	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	21225-21375	1RB#0@75RB#0-0RB#0@75RB#0	-45.78	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	21225-21375	1RB#0@75RB#0-1RB#74@75RB#0	-45.80	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	21225-21375	1RB#74@75RB#0-0RB#0@75RB#0	-45.75	PASS
7C	15MHz-15MHz	16QAM@16QAM-16QAM@16QAM	21225-21375	75RB#0@75RB#0-75RB#0@75RB#0	-45.62	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20828-20999	1RB#0@75RB#0-0RB#0@100RB#0	-46.58	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20828-20999	1RB#0@75RB#0-1RB#99@100RB#0	-46.49	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20828-20999	1RB#74@75RB#0-0RB#0@100RB#0	-46.64	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	20828-20999	75RB#0@75RB#0-100RB#0@100RB#0	-46.65	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21179-21350	1RB#0@75RB#0-0RB#0@100RB#0	-45.77	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21179-21350	1RB#0@75RB#0-1RB#99@100RB#0	-45.87	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21179-21350	1RB#74@75RB#0-0RB#0@100RB#0	-45.80	PASS
7C	15MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21179-21350	75RB#0@75RB#0-100RB#0@100RB#0	-45.78	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20828-20999	1RB#0@75RB#0-0RB#0@100RB#0	-46.61	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20828-20999	1RB#0@75RB#0-1RB#99@100RB#0	-46.67	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20828-20999	1RB#74@75RB#0-0RB#0@100RB#0	-46.58	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	20828-20999	75RB#0@75RB#0-100RB#0@100RB#0	-46.57	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21179-21350	1RB#0@75RB#0-0RB#0@100RB#0	-45.86	PASS

7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21179-21350	1RB#0@75RB#0-1RB#99@100RB#0	-45.85	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21179-21350	1RB#74@75RB#0-0RB#0@100RB#0	-45.69	PASS
7C	15MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21179-21350	75RB#0@75RB#0-100RB#0@100RB#0	-45.88	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20850-20994	1RB#0@100RB#0-0RB#0@50RB#0	-46.51	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20850-20994	1RB#0@100RB#0-1RB#49@50RB#0	-46.65	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20850-20994	1RB#99@100RB#0-0RB#0@50RB#0	-46.53	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	20850-20994	100RB#0@100RB#0-50RB#0@50RB#0	-46.56	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21251-21395	1RB#0@100RB#0-0RB#0@50RB#0	-45.90	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21251-21395	1RB#0@100RB#0-1RB#49@50RB#0	-45.82	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21251-21395	1RB#99@100RB#0-0RB#0@50RB#0	-45.86	PASS
7C	20MHz-10MHz	QPSK@QPSK-QPSK@QPSK	21251-21395	100RB#0@100RB#0-50RB#0@50RB#0	-44.34	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20850-20994	1RB#0@100RB#0-0RB#0@50RB#0	-46.48	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20850-20994	1RB#0@100RB#0-1RB#49@50RB#0	-46.58	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20850-20994	1RB#99@100RB#0-0RB#0@50RB#0	-46.55	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	20850-20994	100RB#0@100RB#0-50RB#0@50RB#0	-46.49	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21251-21395	1RB#0@100RB#0-0RB#0@50RB#0	-45.83	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21251-21395	1RB#0@100RB#0-1RB#49@50RB#0	-45.85	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21251-21395	1RB#99@100RB#0-0RB#0@50RB#0	-46.31	PASS
7C	20MHz-10MHz	16QAM@16QAM-16QAM@16QAM	21251-21395	100RB#0@100RB#0-50RB#0@50RB#0	-45.59	PASS
7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20850-21021	1RB#0@100RB#0-0RB#0@75RB#0	-46.64	PASS
7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20850-21021	1RB#0@100RB#0-1RB#74@75RB#0	-46.60	PASS
7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20850-21021	1RB#99@100RB#0-0RB#0@75RB#0	-46.49	PASS
7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	20850-21021	100RB#0@100RB#0-75RB#0@75RB#0	-46.62	PASS
7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21201-21372	1RB#0@100RB#0-0RB#0@75RB#0	-45.83	PASS
7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21201-21372	1RB#0@100RB#0-1RB#74@75RB#0	-45.81	PASS
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7C	20MHz-15MHz	QPSK@QPSK-QPSK@QPSK	21201-21372	100RB#0@100RB#0-75RB#0@75RB#0	-45.75	PASS
7C	20MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20850-21021	1RB#0@100RB#0-0RB#0@75RB#0	-46.60	PASS
7C	20MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20850-21021	1RB#0@100RB#0-1RB#74@75RB#0	-46.60	PASS
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7C	20MHz-15MHz	16QAM@16QAM-16QAM@16QAM	20850-21021	100RB#0@100RB#0-75RB#0@75RB#0	-46.64	PASS
7C	20MHz-15MHz	16QAM@16QAM-16QAM@16QAM	21201-21372	1RB#0@100RB#0-0RB#0@75RB#0	-45.74	PASS

7C	20MHz-15MHz	16QAM@16QAM-16QAM@16QAM	21201-21372	1RB#0@100RB#0-1RB#74@75RB#0	-45.77	PASS
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7C	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21152-21350	1RB#0@100RB#0-0RB#0@100RB#0	-45.68	PASS
7C	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21152-21350	1RB#0@100RB#0-1RB#99@100RB#0	-45.62	PASS
7C	20MHz-20MHz	QPSK@QPSK-QPSK@QPSK	21152-21350	1RB#99@100RB#0-0RB#0@100RB#0	-45.73	PASS
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7C	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21152-21350	1RB#0@100RB#0-0RB#0@100RB#0	-45.67	PASS
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7C	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21152-21350	1RB#99@100RB#0-0RB#0@100RB#0	-45.69	PASS
7C	20MHz-20MHz	16QAM@16QAM-16QAM@16QAM	21152-21350	100RB#0@100RB#0-100RB#0@100RB#0	-45.70	PASS

Test Graphs

Agilent Spectrum Analyzer - Spurion Emission

13:07:41 AM Aug 10, 2025

Center Freq 13.255000000 GHz

Trig: Free Run

IF Gain: Low

Ref Offset 6.2 dB

Ref 30.00 dBm

Radio Std: None

Avg/Hold: 111

RBW: 40 dB

Radio Device: BTS

Frequency

Center Freq 13.255000000 GHz

CF Step 2.549000000 GHz

Freq Offset 0 Hz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4650 GHz	2.4700 GHz	1.000 MHz	2.468450000 GHz	-46.45 dBm	-21.45 dB
2	2	2.4700 GHz	2.4950 GHz	1.000 MHz	2.491275000 GHz	-41.52 dBm	-26.52 dB
3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.496210000 GHz	-36.77 dBm	-26.77 dB
4	4	2.4990 GHz	2.5000 GHz	0.020 MHz	2.499997000 GHz	-37.32 dBm	-27.32 dB
5	5	2.5000 GHz	2.5100 GHz	510.0 kHz	2.501120000 GHz	-23.15 dBm	-26.65 dB

Agilent Spectrum Analyzer - Spurion Emission

13:07:41 AM Aug 10, 2025

Center Freq 13.255000000 GHz

Trig: Free Run

IF Gain: Low

Ref Offset 6.2 dB

Ref 30.00 dBm

Radio Std: None

Avg/Hold: 111

RBW: 40 dB

Radio Device: BTS

Frequency

Center Freq 13.255000000 GHz

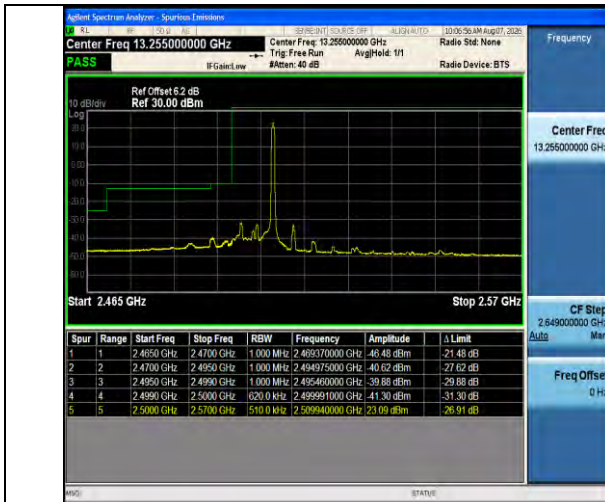
CF Step 2.549000000 GHz

Freq Offset 0 Hz

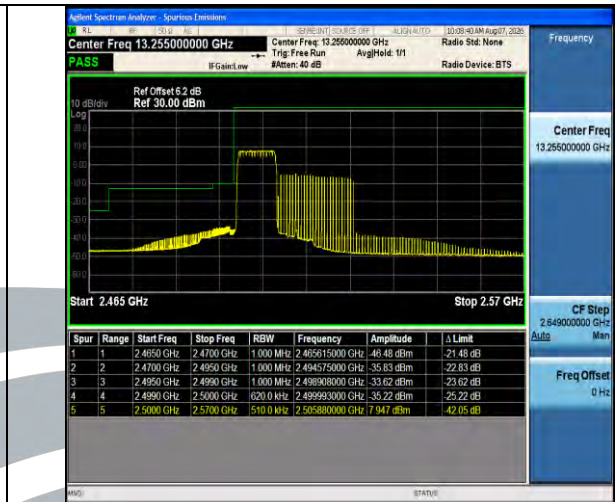
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.4650 GHz	2.4700 GHz	1.000 MHz	2.468255000 GHz	-46.46 dBm	-21.46 dB
2	2	2.4700 GHz	2.4950 GHz	1.000 MHz	2.491275000 GHz	-45.37 dBm	-32.37 dB
3	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.496000000 GHz	-43.40 dBm	-33.40 dB
4	4	2.4990 GHz	2.5000 GHz	0.020 MHz	2.499982000 GHz	-44.03 dBm	-34.03 dB
5	5	2.5000 GHz	2.5100 GHz	510.0 kHz	2.501050000 GHz	-14.22 dBm	-35.76 dB

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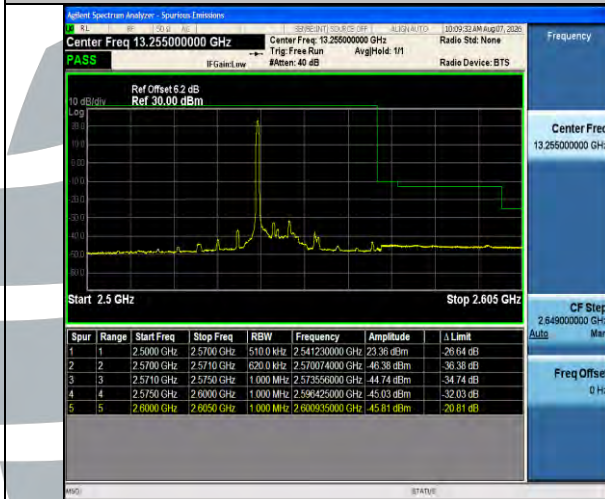
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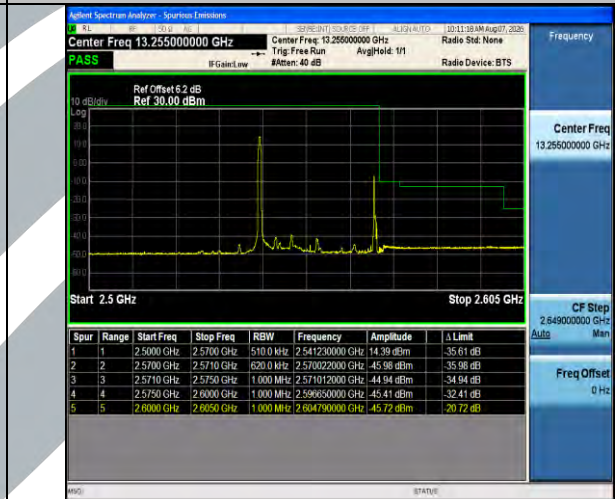
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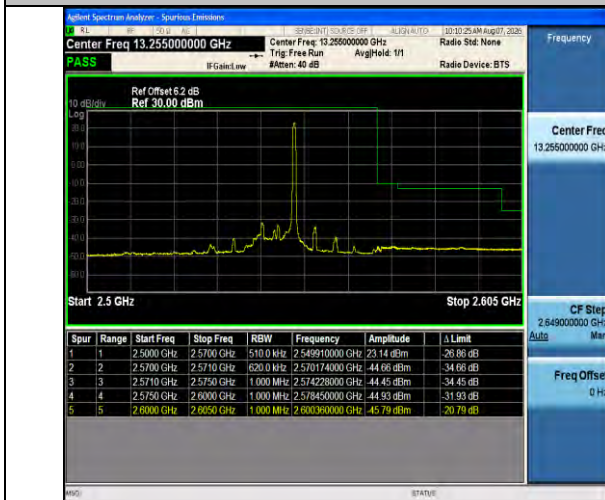
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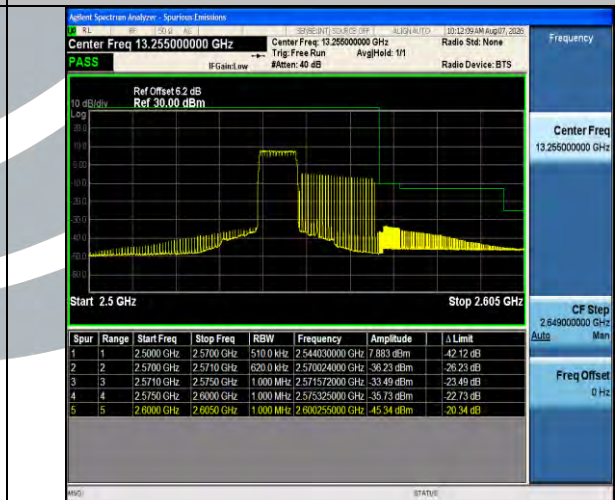
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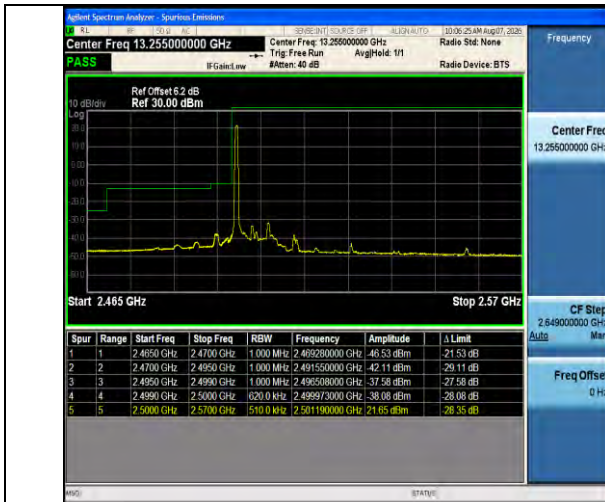
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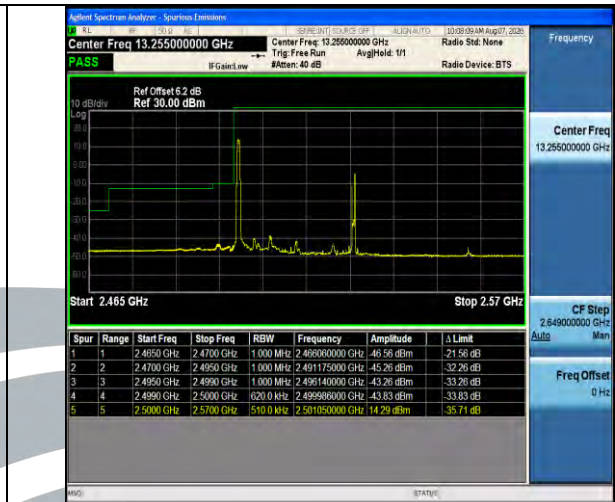
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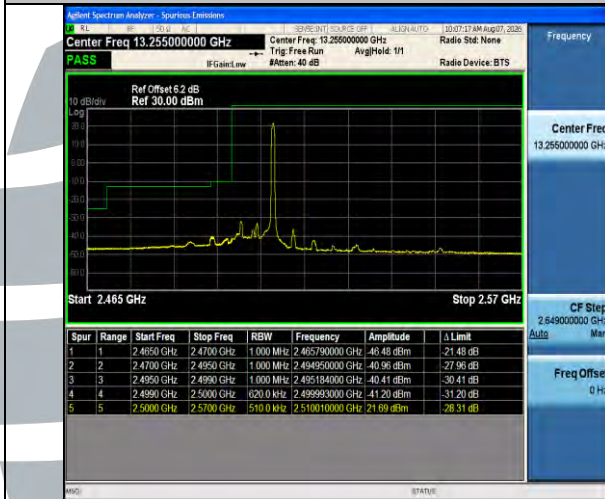
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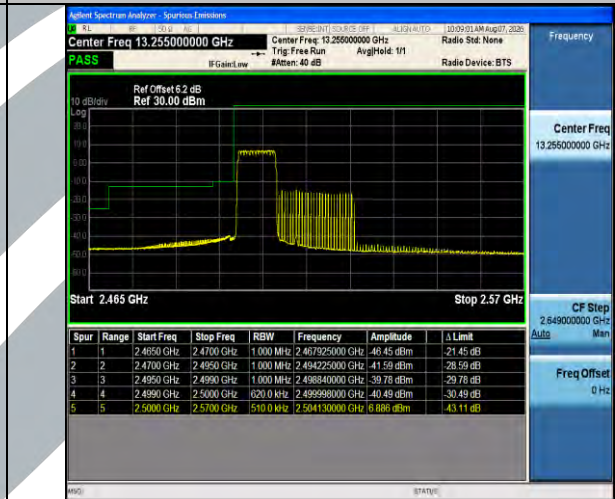
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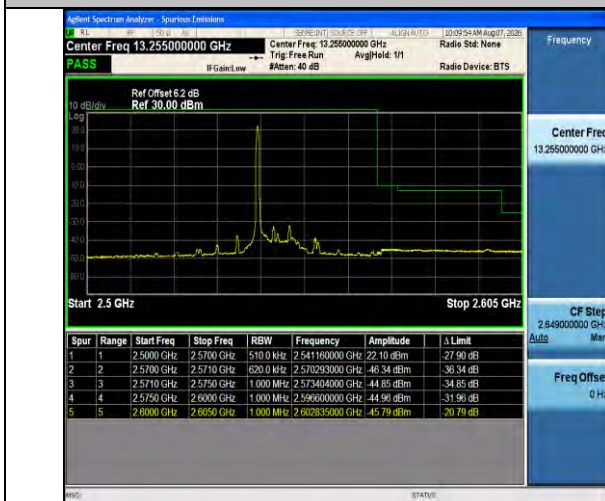
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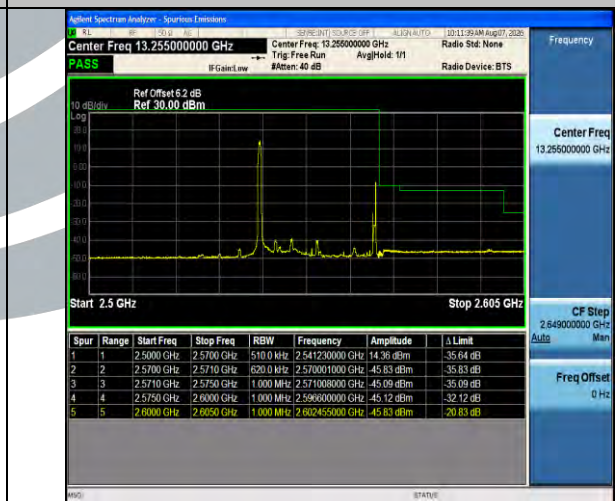
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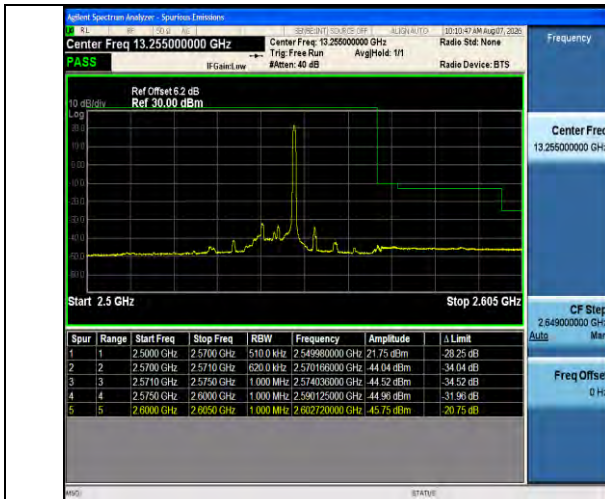
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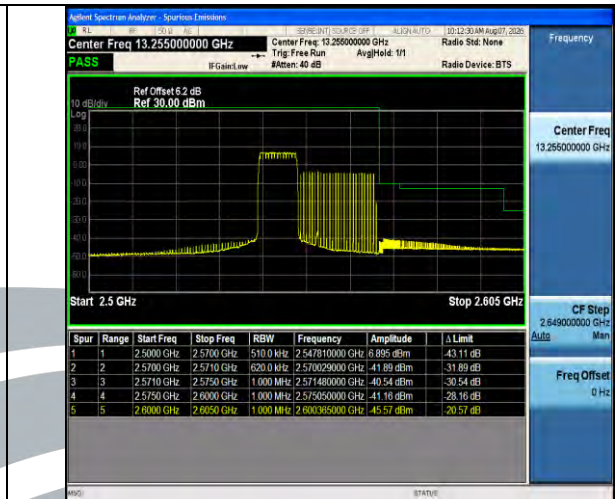
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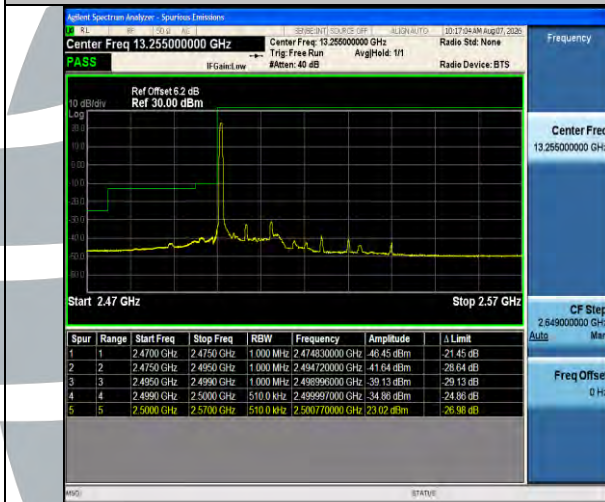
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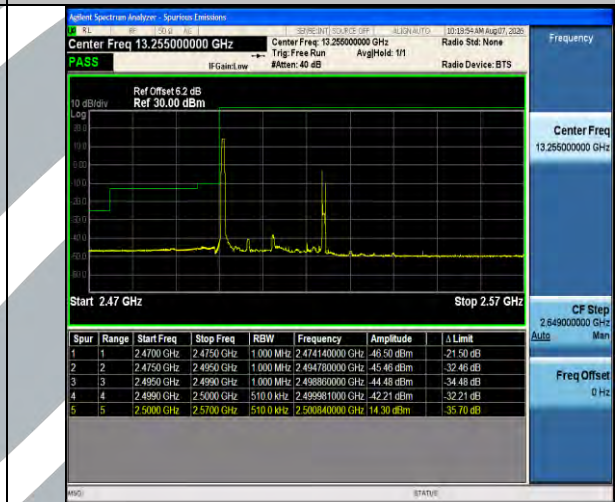
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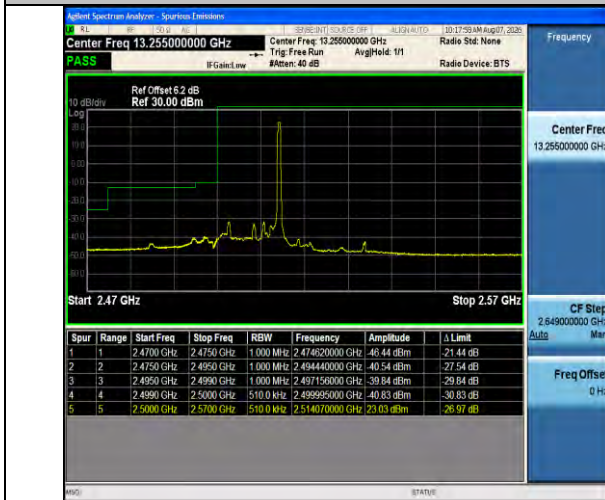
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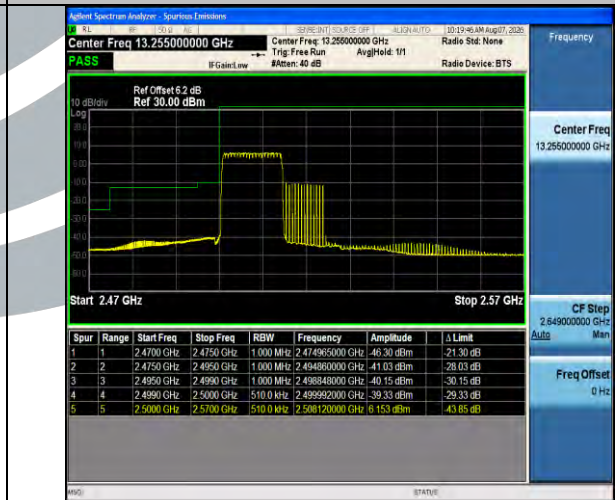
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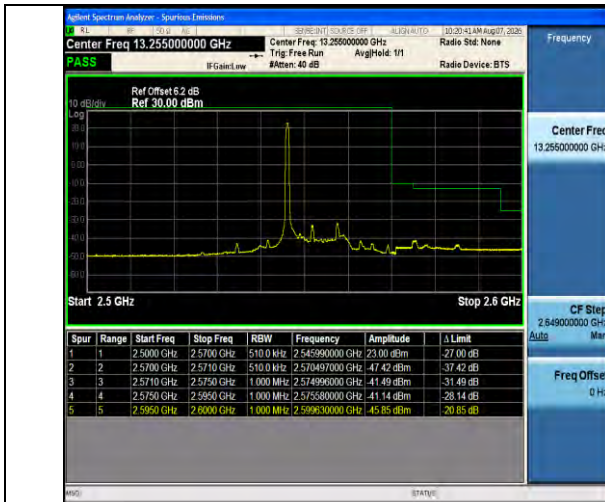
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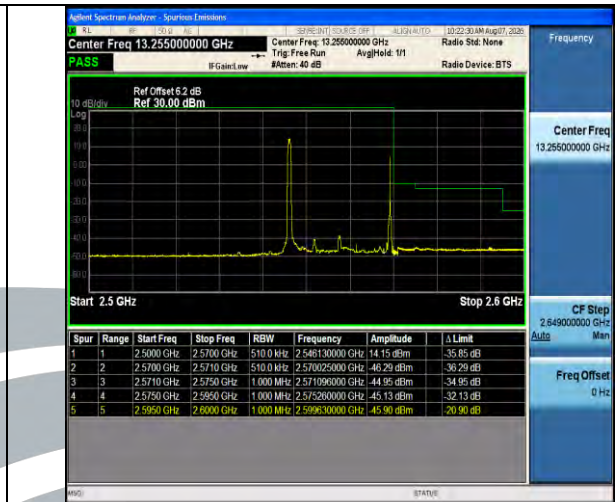
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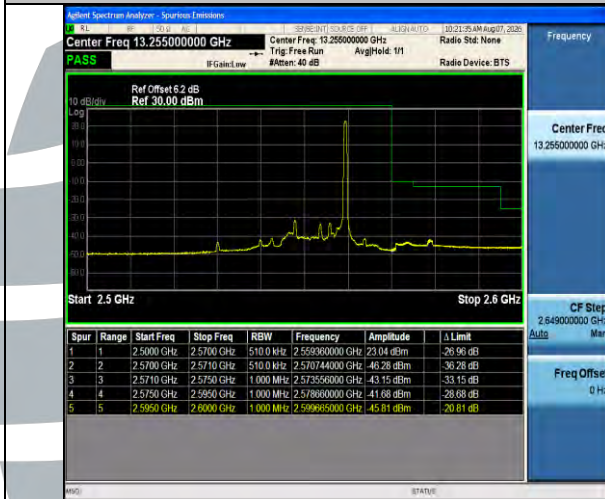
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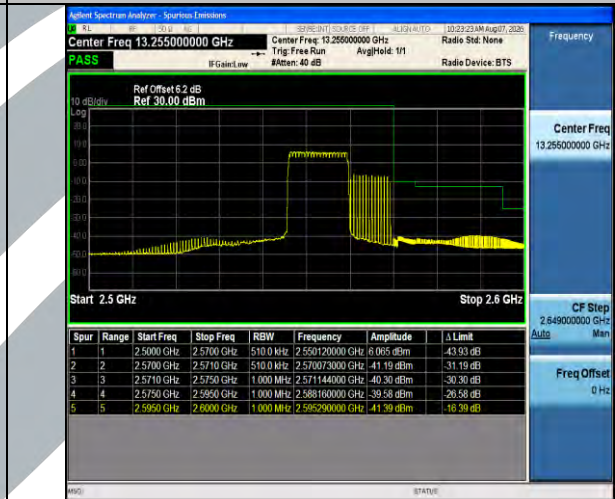
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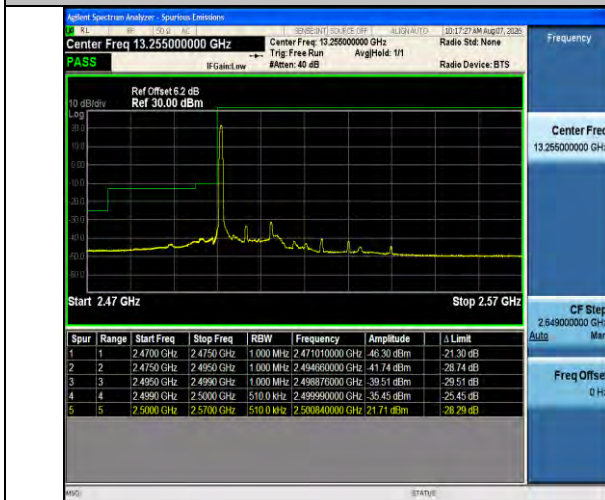
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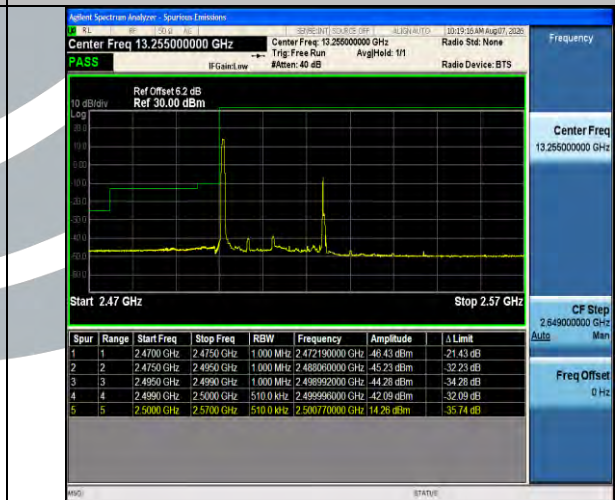
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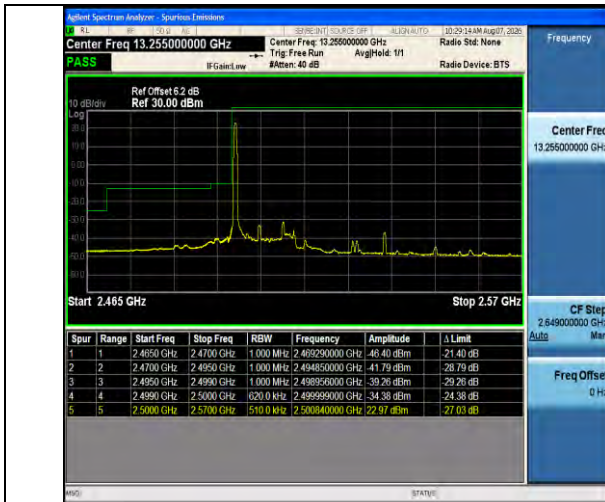


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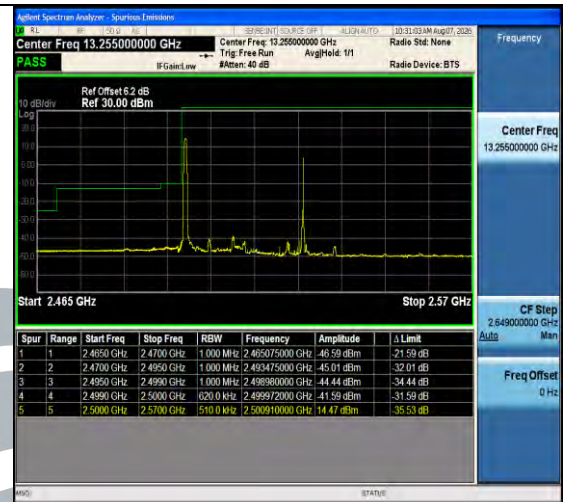


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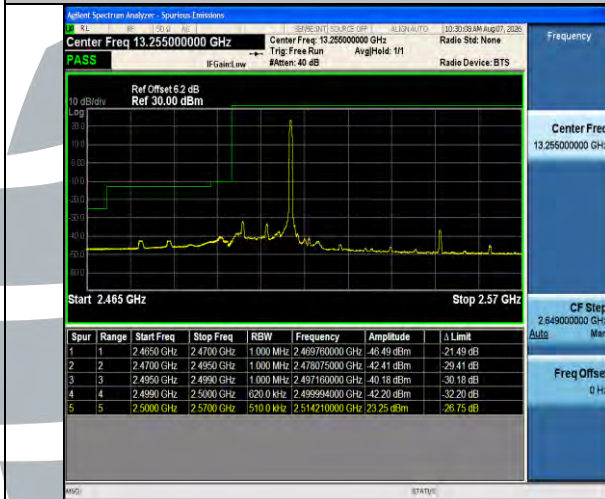
Agilent Spectrum Analyzer - Spectrum Emulation Center Freq 13.255000000 GHz Ref Offset 6.2 dB Ref 30.00 dBm Start 2.47 GHz Stop 2.57 GHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>2.4700 GHz</td><td>2.4750 GHz</td><td>1.000 MHz</td><td>2.474525000 GHz</td><td>-46.54 dBm</td><td>-21.54 dB</td></tr><tr><td>2</td><td>2.4750 GHz</td><td>2.4950 GHz</td><td>1.000 MHz</td><td>2.494380000 GHz</td><td>-40.99 dBm</td><td>-27.99 dB</td></tr><tr><td>3</td><td>2.4950 GHz</td><td>2.4990 GHz</td><td>1.000 MHz</td><td>2.497044000 GHz</td><td>-39.96 dBm</td><td>-29.96 dB</td></tr><tr><td>4</td><td>2.4990 GHz</td><td>2.5000 GHz</td><td>510.0 kHz</td><td>2.499870000 GHz</td><td>-41.50 dBm</td><td>-31.50 dB</td></tr><tr><td>5</td><td>2.5000 GHz</td><td>2.5700 GHz</td><td>510.0 kHz</td><td>2.514070000 GHz</td><td>-22.27 dBm</td><td>-27.73 dB</td></tr></tbody></table> 7C-15MHz-10MHz-16QAM@16QAM-16QAM@16QAM-20825-20945-1RB#74@75RB#0-0RB#0@50RB#0-PASS	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	2.4700 GHz	2.4750 GHz	1.000 MHz	2.474525000 GHz	-46.54 dBm	-21.54 dB	2	2.4750 GHz	2.4950 GHz	1.000 MHz	2.494380000 GHz	-40.99 dBm	-27.99 dB	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.497044000 GHz	-39.96 dBm	-29.96 dB	4	2.4990 GHz	2.5000 GHz	510.0 kHz	2.499870000 GHz	-41.50 dBm	-31.50 dB	5	2.5000 GHz	2.5700 GHz	510.0 kHz	2.514070000 GHz	-22.27 dBm	-27.73 dB	Agilent Spectrum Analyzer - Spectrum Emulation Center Freq 13.255000000 GHz Ref Offset 6.2 dB Ref 30.00 dBm Start 2.47 GHz Stop 2.57 GHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>2.4700 GHz</td><td>2.4750 GHz</td><td>1.000 MHz</td><td>2.474455000 GHz</td><td>-46.39 dBm</td><td>-21.39 dB</td></tr><tr><td>2</td><td>2.4750 GHz</td><td>2.4950 GHz</td><td>1.000 MHz</td><td>2.494380000 GHz</td><td>-40.96 dBm</td><td>-27.96 dB</td></tr><tr><td>3</td><td>2.4950 GHz</td><td>2.4990 GHz</td><td>1.000 MHz</td><td>2.496830000 GHz</td><td>-39.06 dBm</td><td>-29.06 dB</td></tr><tr><td>4</td><td>2.4990 GHz</td><td>2.5000 GHz</td><td>510.0 kHz</td><td>2.499995000 GHz</td><td>-38.63 dBm</td><td>-28.63 dB</td></tr><tr><td>5</td><td>2.5000 GHz</td><td>2.5700 GHz</td><td>510.0 kHz</td><td>2.512320000 GHz</td><td>-5.261 dBm</td><td>-44.74 dB</td></tr></tbody></table> 7C-15MHz-10MHz-16QAM@16QAM-16QAM@16QAM-20825-20945-75RB#0@75RB#0-50RB#0@50RB#0-PASS	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	2.4700 GHz	2.4750 GHz	1.000 MHz	2.474455000 GHz	-46.39 dBm	-21.39 dB	2	2.4750 GHz	2.4950 GHz	1.000 MHz	2.494380000 GHz	-40.96 dBm	-27.96 dB	3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.496830000 GHz	-39.06 dBm	-29.06 dB	4	2.4990 GHz	2.5000 GHz	510.0 kHz	2.499995000 GHz	-38.63 dBm	-28.63 dB	5	2.5000 GHz	2.5700 GHz	510.0 kHz	2.512320000 GHz	-5.261 dBm	-44.74 dB
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit																																																																																
1	2.4700 GHz	2.4750 GHz	1.000 MHz	2.474525000 GHz	-46.54 dBm	-21.54 dB																																																																																	
2	2.4750 GHz	2.4950 GHz	1.000 MHz	2.494380000 GHz	-40.99 dBm	-27.99 dB																																																																																	
3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.497044000 GHz	-39.96 dBm	-29.96 dB																																																																																	
4	2.4990 GHz	2.5000 GHz	510.0 kHz	2.499870000 GHz	-41.50 dBm	-31.50 dB																																																																																	
5	2.5000 GHz	2.5700 GHz	510.0 kHz	2.514070000 GHz	-22.27 dBm	-27.73 dB																																																																																	
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit																																																																																
1	2.4700 GHz	2.4750 GHz	1.000 MHz	2.474455000 GHz	-46.39 dBm	-21.39 dB																																																																																	
2	2.4750 GHz	2.4950 GHz	1.000 MHz	2.494380000 GHz	-40.96 dBm	-27.96 dB																																																																																	
3	2.4950 GHz	2.4990 GHz	1.000 MHz	2.496830000 GHz	-39.06 dBm	-29.06 dB																																																																																	
4	2.4990 GHz	2.5000 GHz	510.0 kHz	2.499995000 GHz	-38.63 dBm	-28.63 dB																																																																																	
5	2.5000 GHz	2.5700 GHz	510.0 kHz	2.512320000 GHz	-5.261 dBm	-44.74 dB																																																																																	
Agilent Spectrum Analyzer - Spectrum Emulation Center Freq 13.255000000 GHz Ref Offset 6.2 dB Ref 30.00 dBm Start 2.5 GHz Stop 2.6 GHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>2.5000 GHz</td><td>2.5700 GHz</td><td>510.0 kHz</td><td>2.545960000 GHz</td><td>-21.67 dBm</td><td>-28.33 dB</td></tr><tr><td>2</td><td>2.5700 GHz</td><td>2.5710 GHz</td><td>510.0 kHz</td><td>2.570359000 GHz</td><td>-46.91 dBm</td><td>-38.91 dB</td></tr><tr><td>3</td><td>2.5710 GHz</td><td>2.5750 GHz</td><td>1.000 MHz</td><td>2.574960000 GHz</td><td>-41.82 dBm</td><td>-31.92 dB</td></tr><tr><td>4</td><td>2.5750 GHz</td><td>2.5950 GHz</td><td>1.000 MHz</td><td>2.575520000 GHz</td><td>-41.83 dBm</td><td>-28.83 dB</td></tr><tr><td>5</td><td>2.5950 GHz</td><td>2.6000 GHz</td><td>1.000 MHz</td><td>2.595995000 GHz</td><td>-45.94 dBm</td><td>-20.94 dB</td></tr></tbody></table> 7C-15MHz-10MHz-16QAM@16QAM-16QAM@16QAM-21277-21397-1RB#0@75RB#0-0RB#0@50RB#0-PASS	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	2.5000 GHz	2.5700 GHz	510.0 kHz	2.545960000 GHz	-21.67 dBm	-28.33 dB	2	2.5700 GHz	2.5710 GHz	510.0 kHz	2.570359000 GHz	-46.91 dBm	-38.91 dB	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.574960000 GHz	-41.82 dBm	-31.92 dB	4	2.5750 GHz	2.5950 GHz	1.000 MHz	2.575520000 GHz	-41.83 dBm	-28.83 dB	5	2.5950 GHz	2.6000 GHz	1.000 MHz	2.595995000 GHz	-45.94 dBm	-20.94 dB	Agilent Spectrum Analyzer - Spectrum Emulation Center Freq 13.255000000 GHz Ref Offset 6.2 dB Ref 30.00 dBm Start 2.5 GHz Stop 2.6 GHz <table><thead><tr><th>Spur</th><th>Range</th><th>Start Freq</th><th>Stop Freq</th><th>RBW</th><th>Frequency</th><th>Amplitude</th><th>Δ Limit</th></tr></thead><tbody><tr><td>1</td><td>2.5000 GHz</td><td>2.5700 GHz</td><td>510.0 kHz</td><td>2.546130000 GHz</td><td>-13.99 dBm</td><td>-36.01 dB</td></tr><tr><td>2</td><td>2.5700 GHz</td><td>2.5710 GHz</td><td>510.0 kHz</td><td>2.570017000 GHz</td><td>-45.75 dBm</td><td>-35.75 dB</td></tr><tr><td>3</td><td>2.5710 GHz</td><td>2.5750 GHz</td><td>1.000 MHz</td><td>2.571038000 GHz</td><td>-44.84 dBm</td><td>-34.84 dB</td></tr><tr><td>4</td><td>2.5750 GHz</td><td>2.5950 GHz</td><td>1.000 MHz</td><td>2.575320000 GHz</td><td>-45.02 dBm</td><td>-32.02 dB</td></tr><tr><td>5</td><td>2.5950 GHz</td><td>2.6000 GHz</td><td>1.000 MHz</td><td>2.595995000 GHz</td><td>-45.92 dBm</td><td>-20.92 dB</td></tr></tbody></table> 7C-15MHz-10MHz-16QAM@16QAM-16QAM@16QAM-21277-21397-1RB#0@75RB#0-1RB#49@50RB#0-PASS	Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit	1	2.5000 GHz	2.5700 GHz	510.0 kHz	2.546130000 GHz	-13.99 dBm	-36.01 dB	2	2.5700 GHz	2.5710 GHz	510.0 kHz	2.570017000 GHz	-45.75 dBm	-35.75 dB	3	2.5710 GHz	2.5750 GHz	1.000 MHz	2.571038000 GHz	-44.84 dBm	-34.84 dB	4	2.5750 GHz	2.5950 GHz	1.000 MHz	2.575320000 GHz	-45.02 dBm	-32.02 dB	5	2.5950 GHz	2.6000 GHz	1.000 MHz	2.595995000 GHz	-45.92 dBm	-20.92 dB
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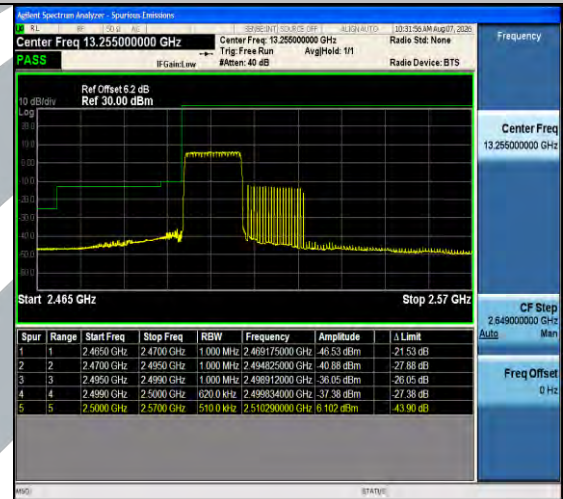
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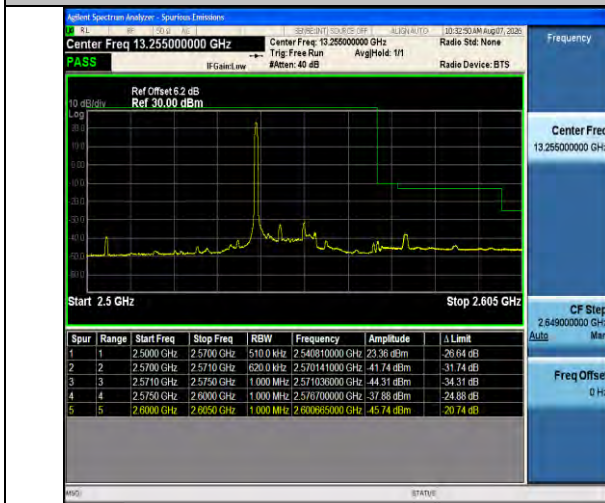
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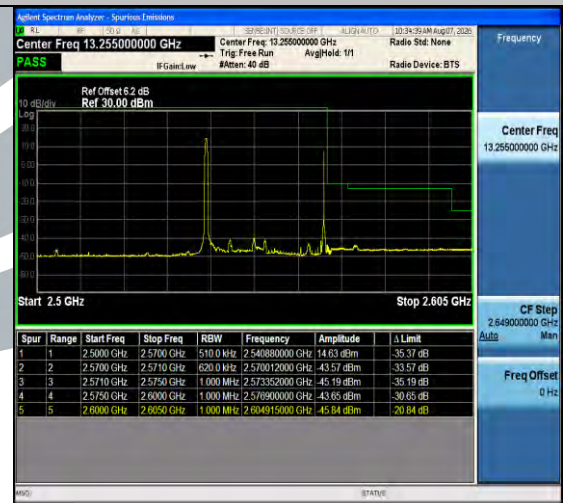
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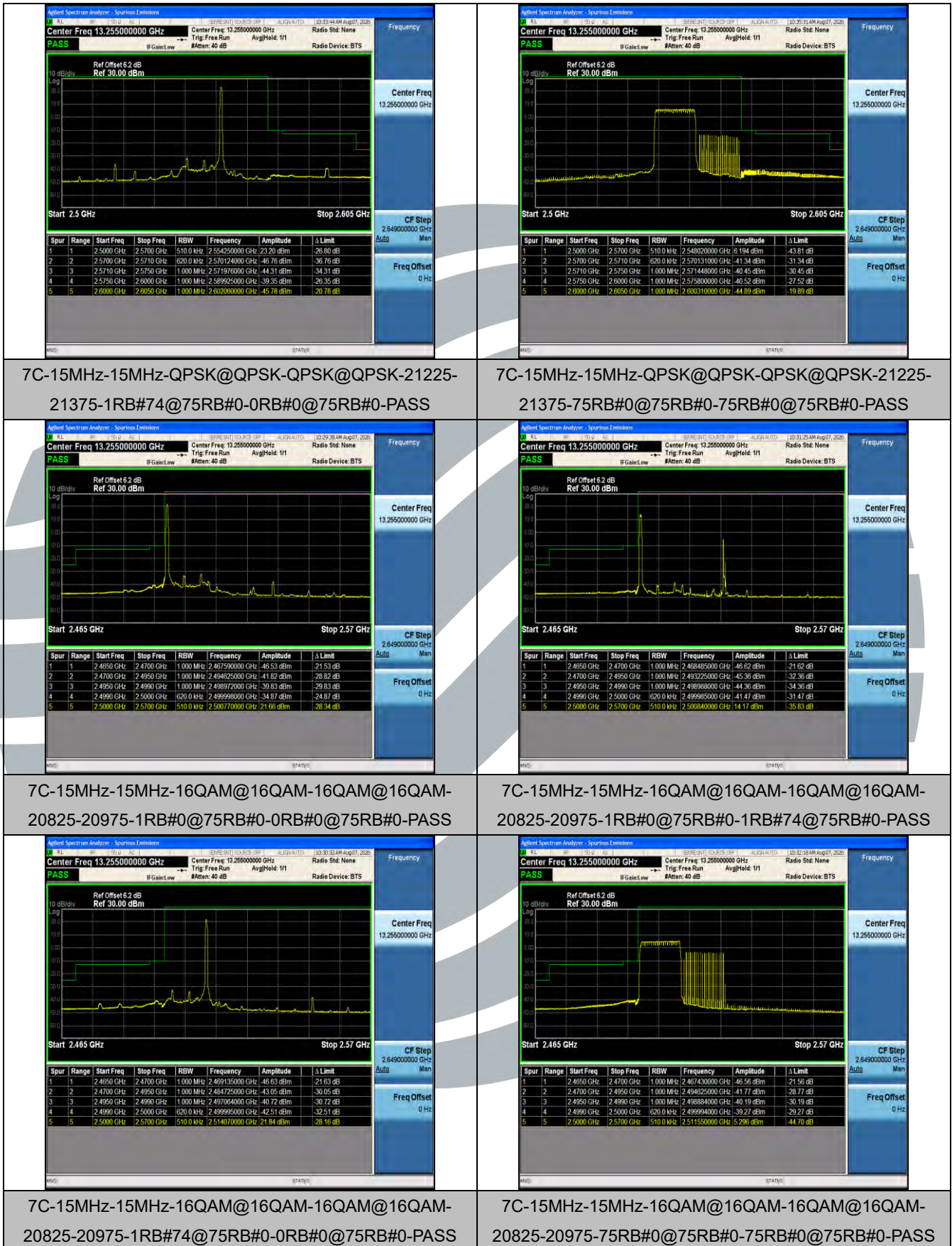
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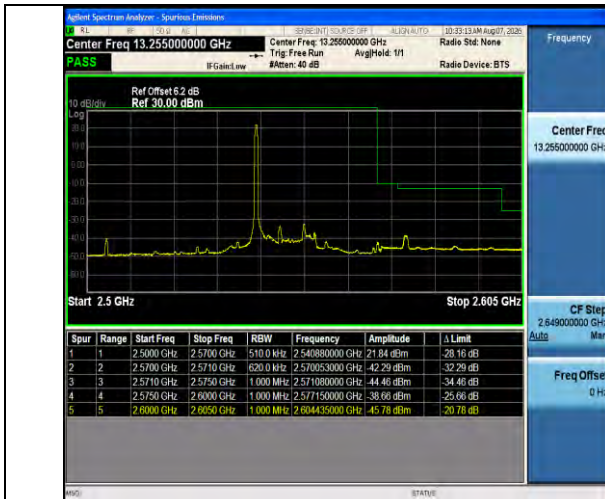


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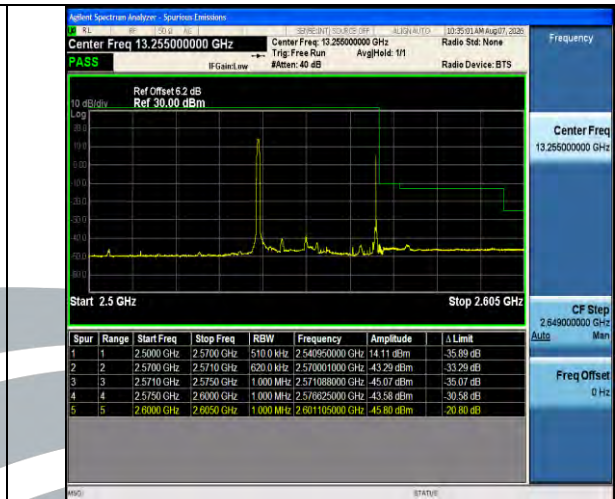


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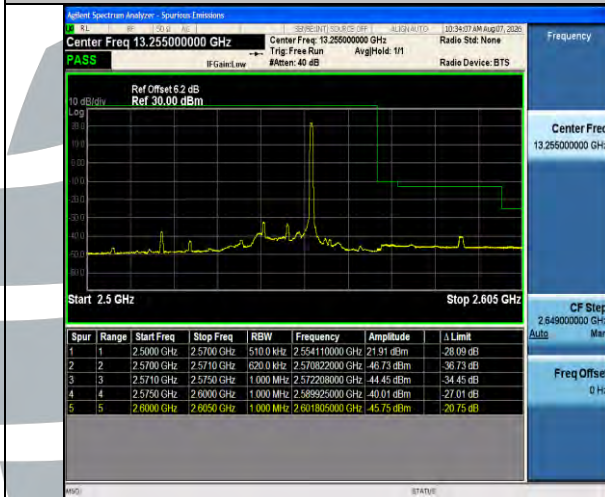




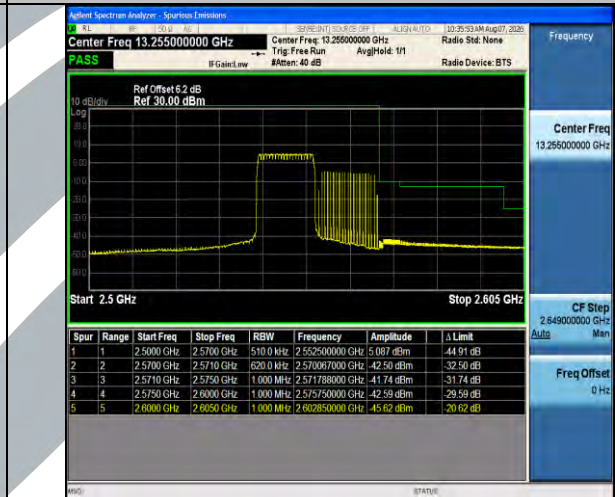
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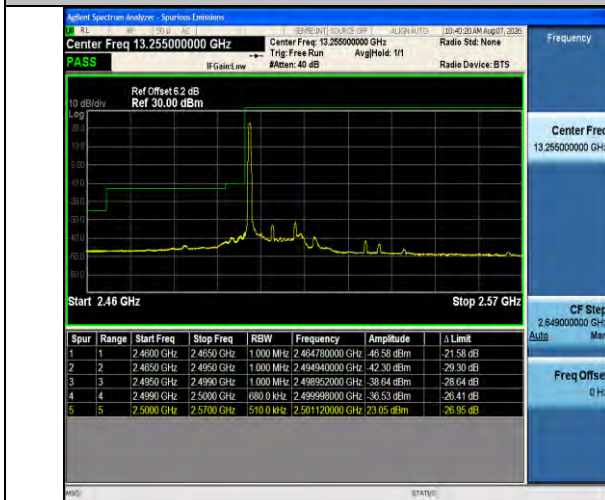
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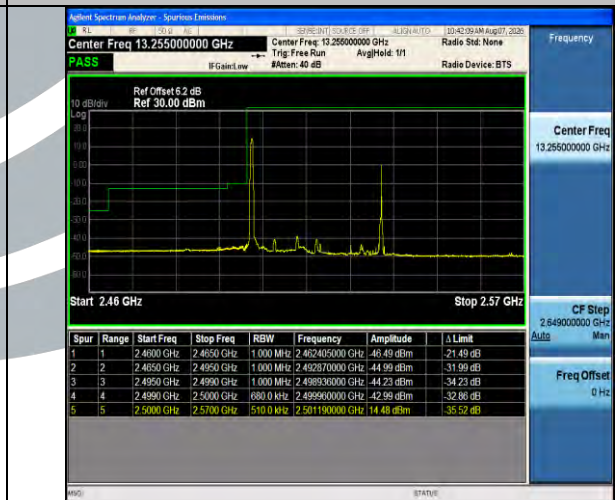
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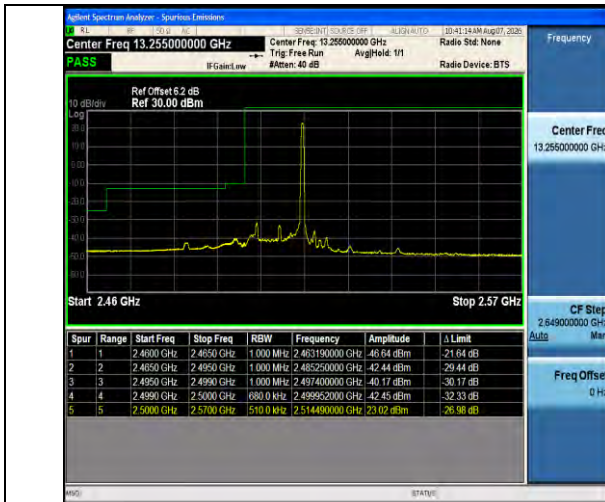
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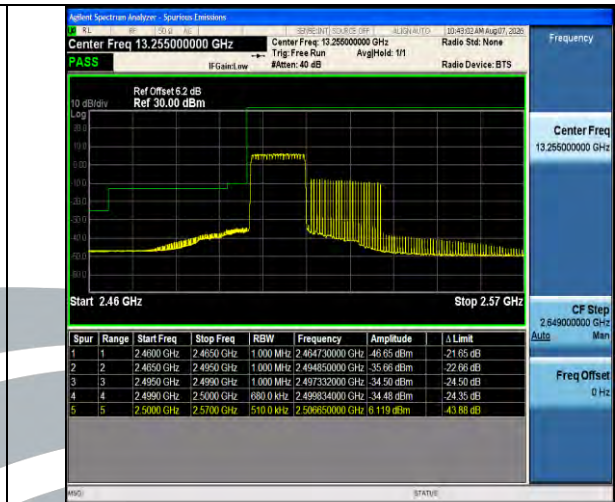
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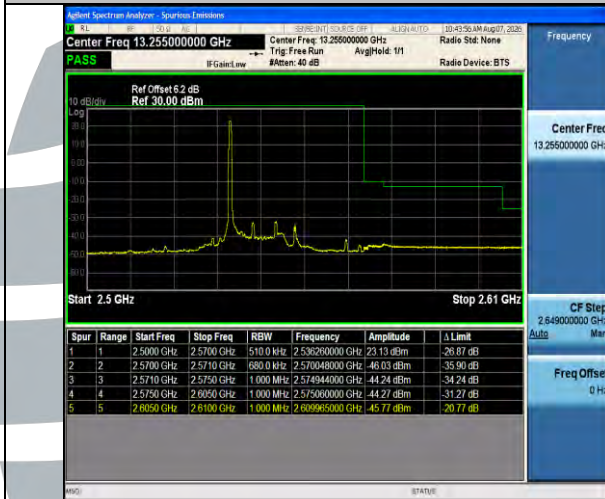
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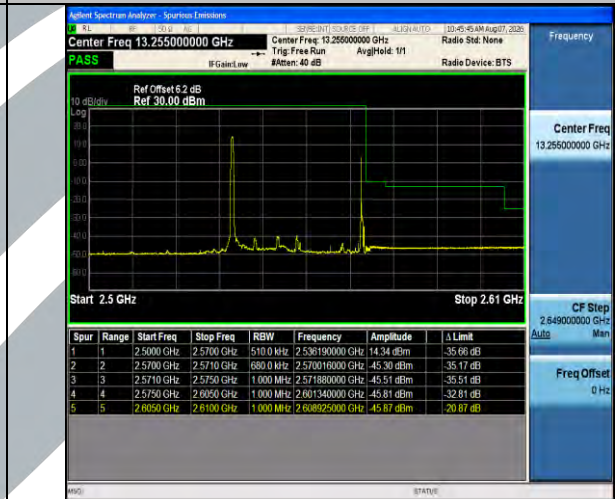
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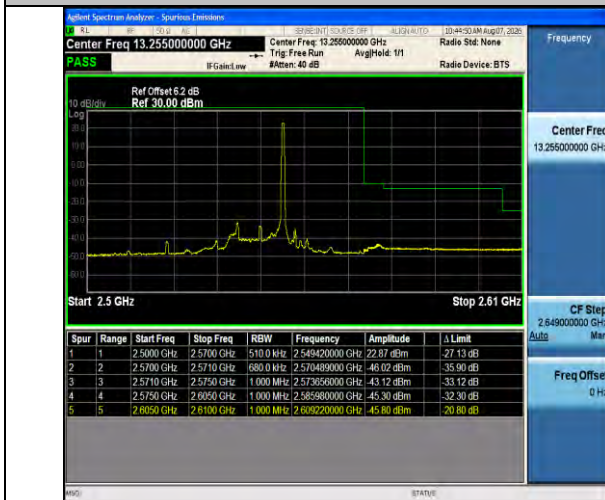
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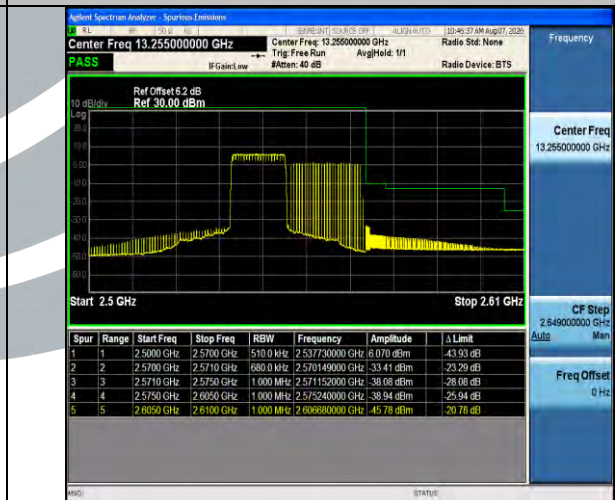
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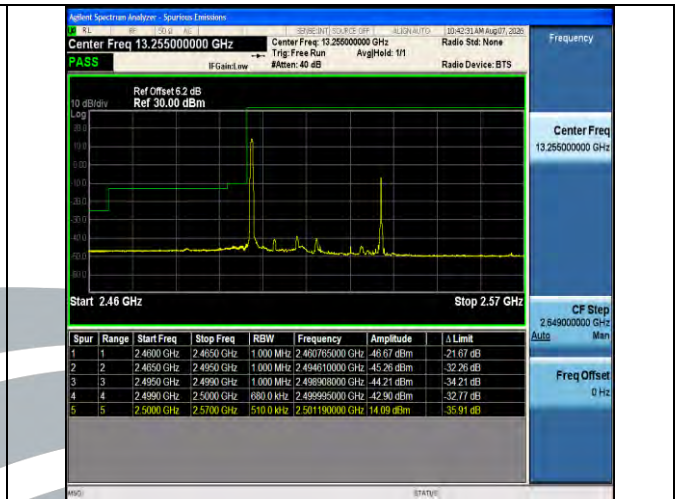
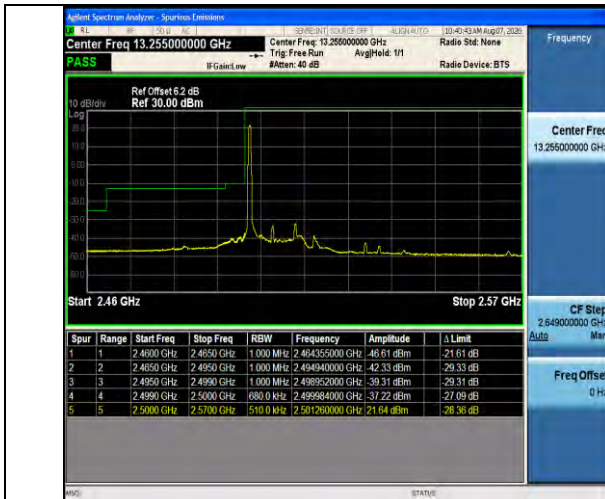
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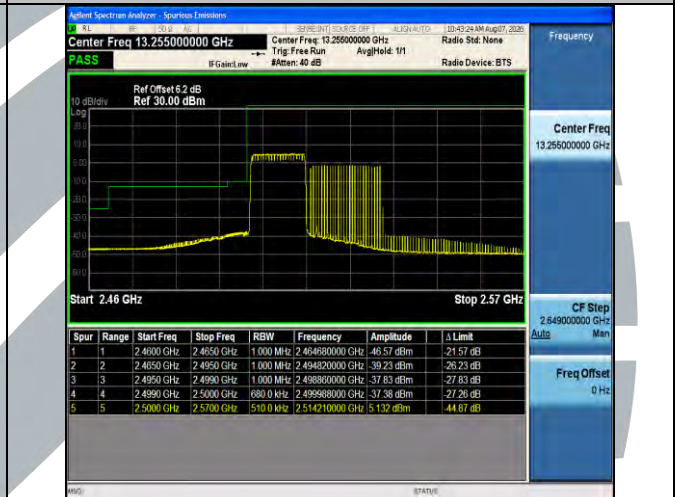
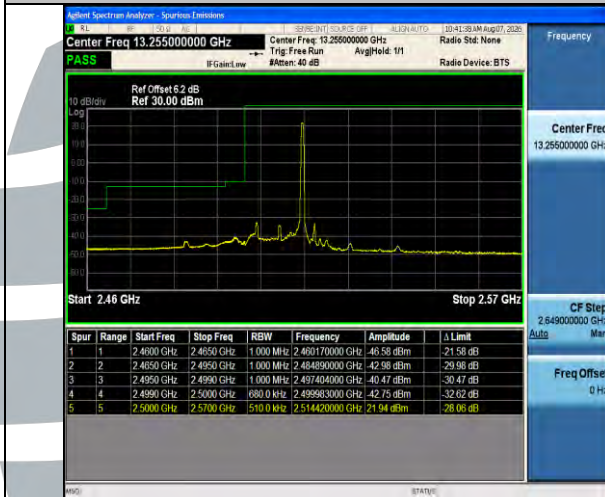


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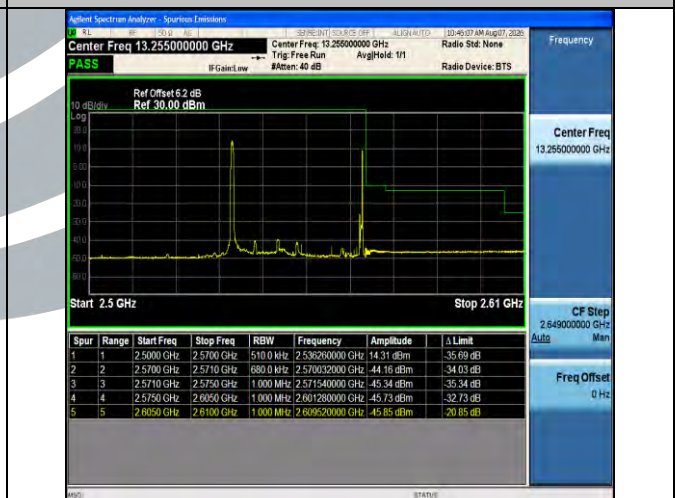
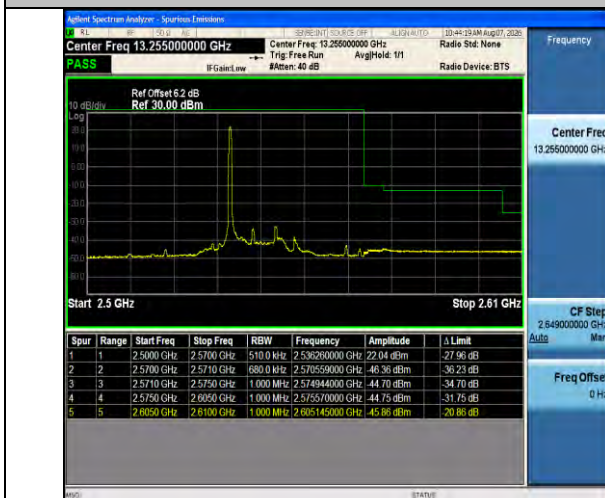
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