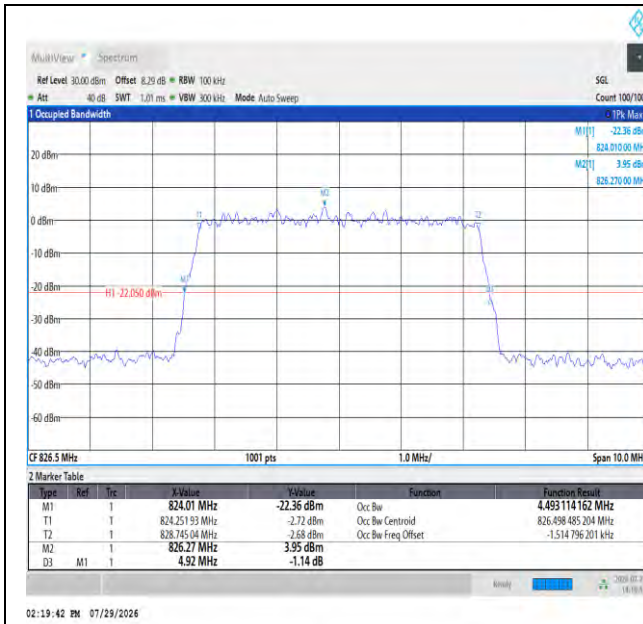
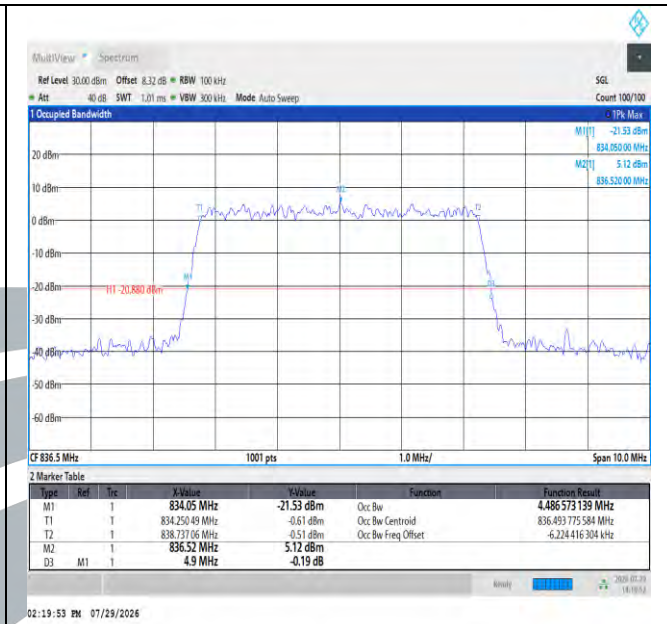




Band5-5MHz-64QAM-20425-25RB#0-PASS



Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS



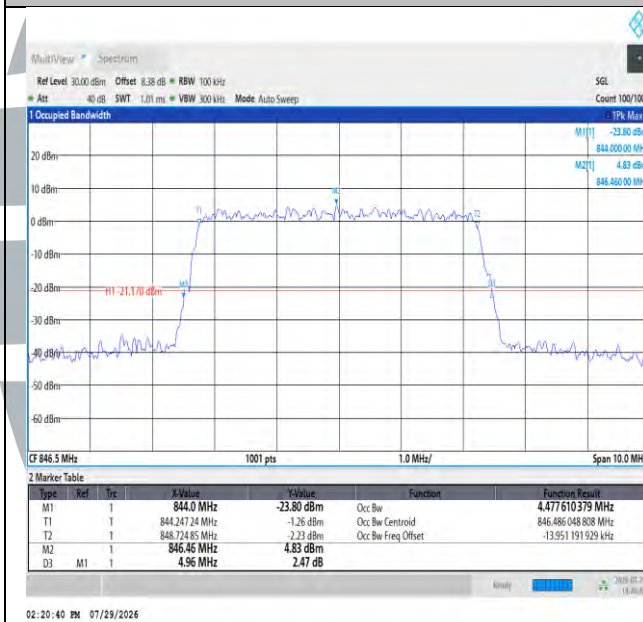
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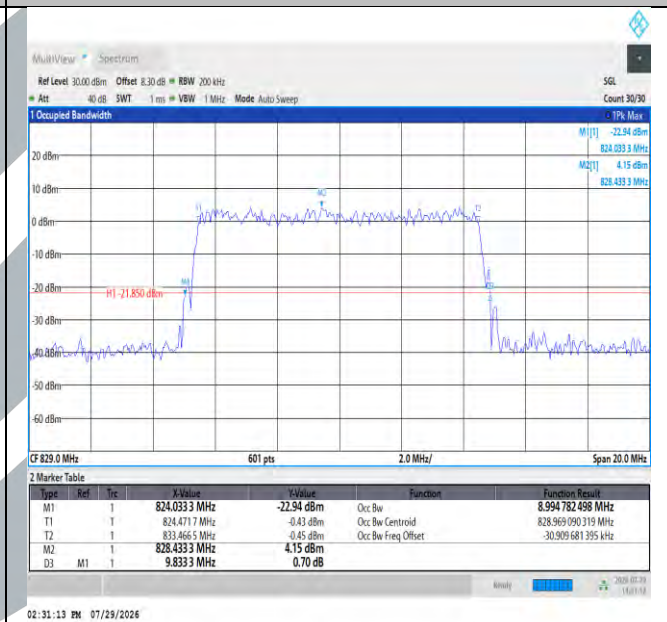
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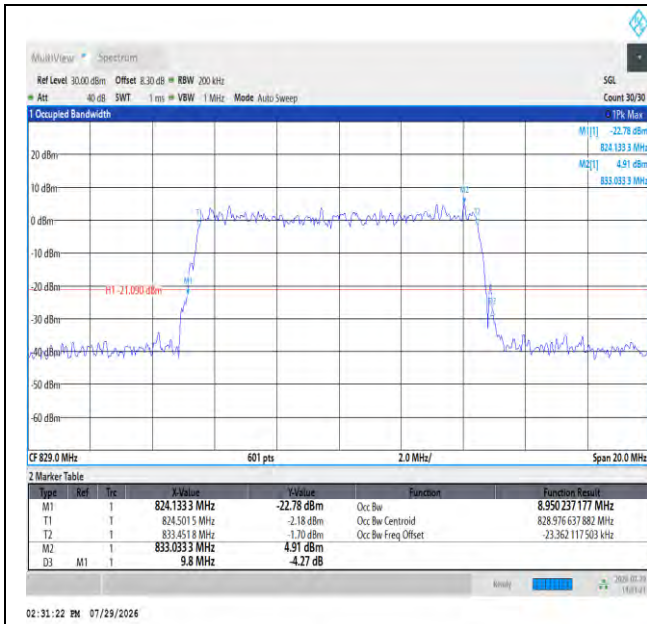
Band5-5MHz-16QAM-20625-25RB#0-PASS



Band5-5MHz-64QAM-20625-25RB#0-PASS



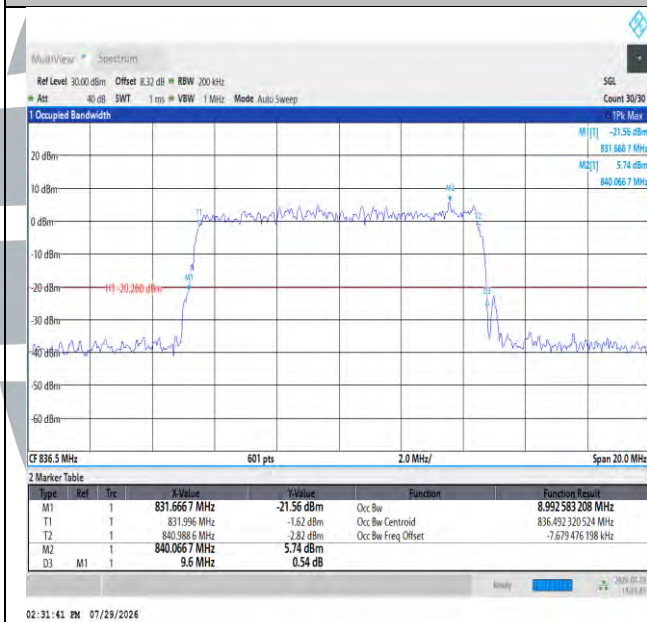
Band5-10MHz-QPSK-20450-50RB#0-PASS



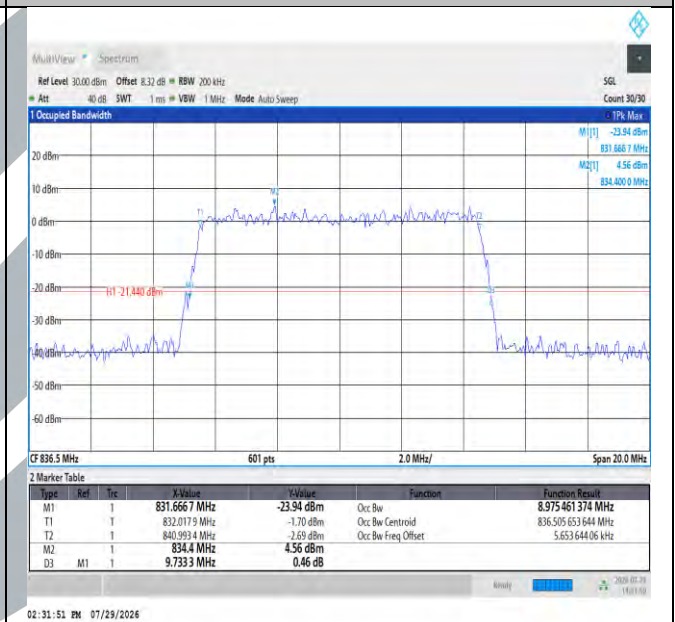
Band5-10MHz-16QAM-20450-50RB#0-PASS



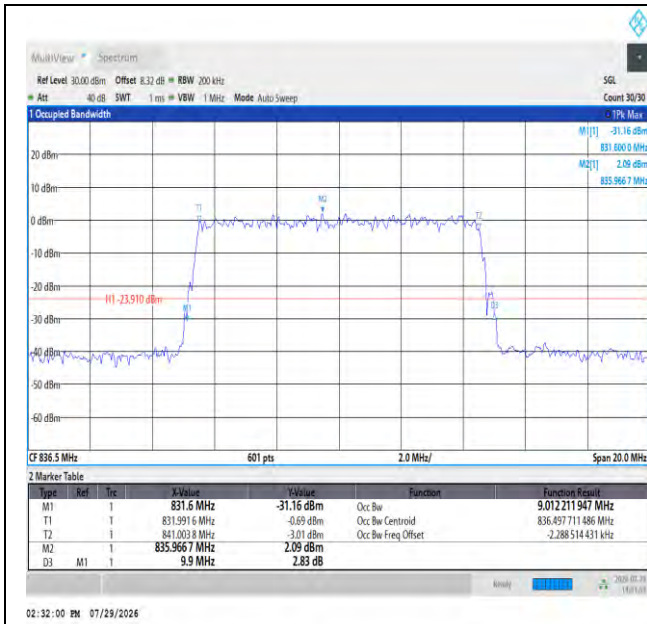
Band5-10MHz-64QAM-20450-50RB#0-PASS



Band5-10MHz-QPSK-20525-50RB#0-PASS



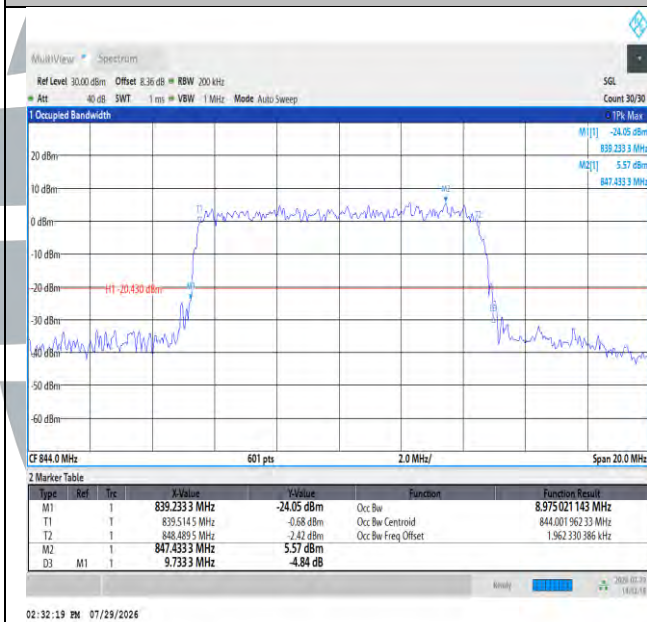
Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-64QAM-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS



Band5-10MHz-64QAM-20600-50RB#0-PASS

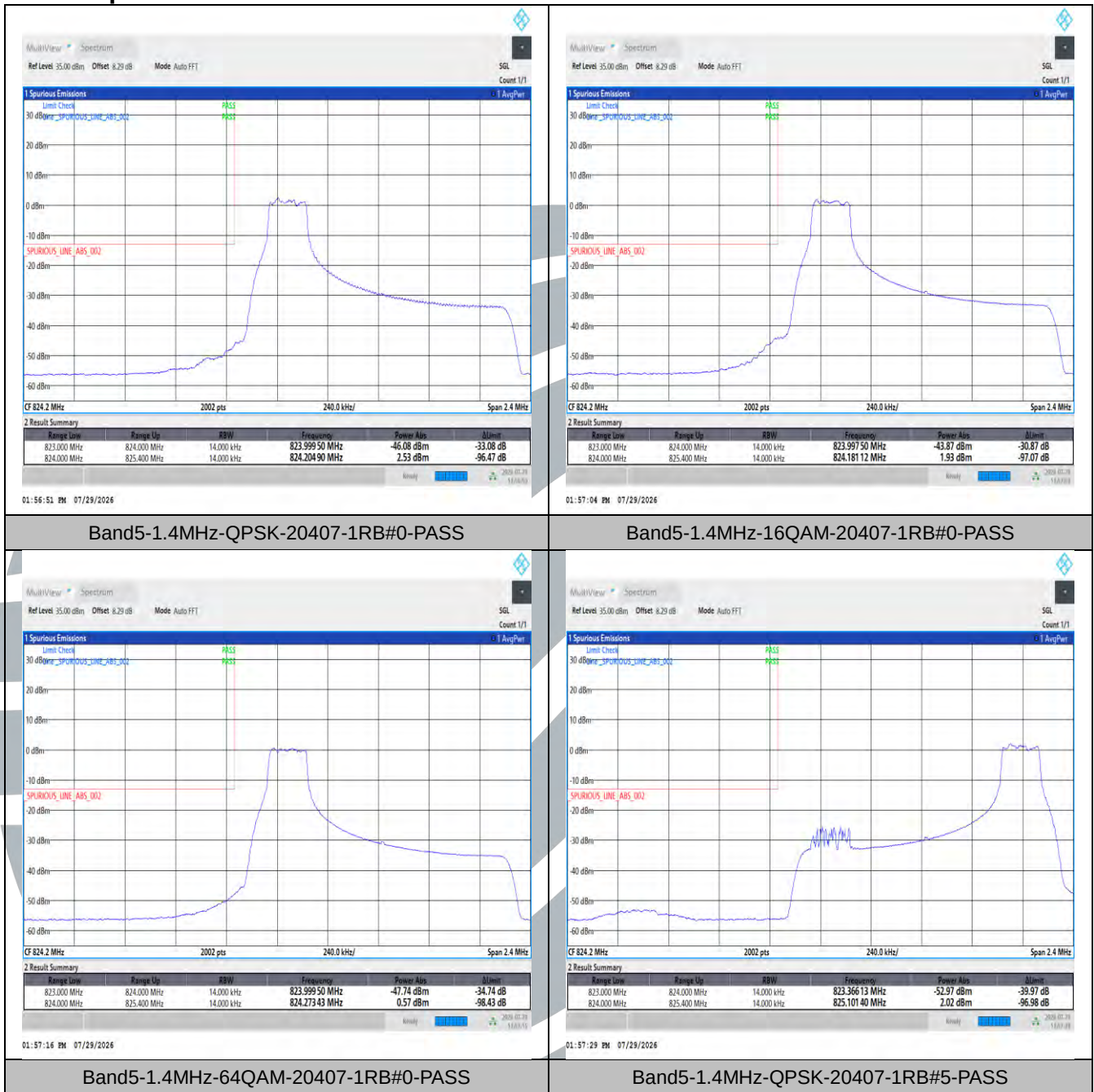
C.3 BAND EDGE

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-46.08	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-43.87	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-47.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-52.97	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-51.56	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	-50.91	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-48.82	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-49.44	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-50.87	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-51.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-49.71	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	-49.37	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-40.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-37.64	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-44.79	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-41.06	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-44.80	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-49.61	PASS
Band5	3MHz	QPSK	20415	1RB#0	-26.56	PASS
Band5	3MHz	16QAM	20415	1RB#0	-26.11	PASS
Band5	3MHz	64QAM	20415	1RB#0	-27.08	PASS
Band5	3MHz	QPSK	20415	1RB#14	-38.59	PASS
Band5	3MHz	16QAM	20415	1RB#14	-38.26	PASS
Band5	3MHz	64QAM	20415	1RB#14	-39.69	PASS
Band5	3MHz	QPSK	20415	15RB#0	-35.14	PASS
Band5	3MHz	16QAM	20415	15RB#0	-36.49	PASS
Band5	3MHz	64QAM	20415	15RB#0	-38.08	PASS
Band5	3MHz	QPSK	20635	1RB#0	-37.65	PASS
Band5	3MHz	16QAM	20635	1RB#0	-37.48	PASS
Band5	3MHz	64QAM	20635	1RB#0	-37.96	PASS
Band5	3MHz	QPSK	20635	1RB#14	-23.82	PASS
Band5	3MHz	16QAM	20635	1RB#14	-21.48	PASS
Band5	3MHz	64QAM	20635	1RB#14	-26.26	PASS
Band5	3MHz	QPSK	20635	15RB#0	-33.51	PASS
Band5	3MHz	16QAM	20635	15RB#0	-34.91	PASS
Band5	3MHz	64QAM	20635	15RB#0	-37.06	PASS
Band5	5MHz	QPSK	20425	1RB#0	-31.04	PASS
Band5	5MHz	16QAM	20425	1RB#0	-29.48	PASS

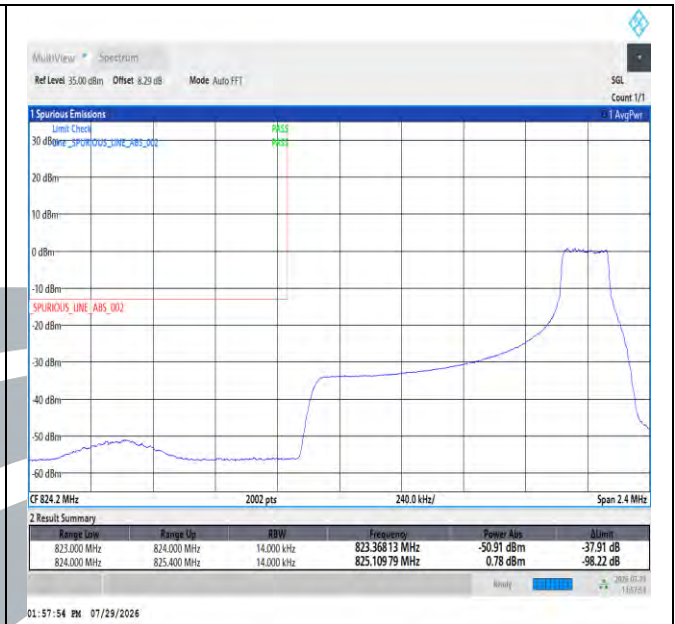
Band5	5MHz	64QAM	20425	1RB#0	-33.01	PASS
Band5	5MHz	QPSK	20425	1RB#24	-45.95	PASS
Band5	5MHz	16QAM	20425	1RB#24	-46.34	PASS
Band5	5MHz	64QAM	20425	1RB#24	-46.94	PASS
Band5	5MHz	QPSK	20425	25RB#0	-41.53	PASS
Band5	5MHz	16QAM	20425	25RB#0	-41.66	PASS
Band5	5MHz	64QAM	20425	25RB#0	-43.10	PASS
Band5	5MHz	QPSK	20625	1RB#0	-44.96	PASS
Band5	5MHz	16QAM	20625	1RB#0	-44.68	PASS
Band5	5MHz	64QAM	20625	1RB#0	-46.11	PASS
Band5	5MHz	QPSK	20625	1RB#24	-29.38	PASS
Band5	5MHz	16QAM	20625	1RB#24	-28.87	PASS
Band5	5MHz	64QAM	20625	1RB#24	-30.61	PASS
Band5	5MHz	QPSK	20625	25RB#0	-38.57	PASS
Band5	5MHz	16QAM	20625	25RB#0	-39.35	PASS
Band5	5MHz	64QAM	20625	25RB#0	-41.96	PASS
Band5	10MHz	QPSK	20450	1RB#0	-33.85	PASS
Band5	10MHz	16QAM	20450	1RB#0	-34.02	PASS
Band5	10MHz	64QAM	20450	1RB#0	-33.58	PASS
Band5	10MHz	QPSK	20450	1RB#49	-45.70	PASS
Band5	10MHz	16QAM	20450	1RB#49	-46.09	PASS
Band5	10MHz	64QAM	20450	1RB#49	-46.23	PASS
Band5	10MHz	QPSK	20450	50RB#0	-42.49	PASS
Band5	10MHz	16QAM	20450	50RB#0	-42.73	PASS
Band5	10MHz	64QAM	20450	50RB#0	-44.24	PASS
Band5	10MHz	QPSK	20600	1RB#0	-45.79	PASS
Band5	10MHz	16QAM	20600	1RB#0	-46.04	PASS
Band5	10MHz	64QAM	20600	1RB#0	-46.09	PASS
Band5	10MHz	QPSK	20600	1RB#49	-30.89	PASS
Band5	10MHz	16QAM	20600	1RB#49	-29.75	PASS
Band5	10MHz	64QAM	20600	1RB#49	-32.94	PASS
Band5	10MHz	QPSK	20600	50RB#0	-39.62	PASS
Band5	10MHz	16QAM	20600	50RB#0	-41.08	PASS
Band5	10MHz	64QAM	20600	50RB#0	-42.90	PASS

Test Graphs

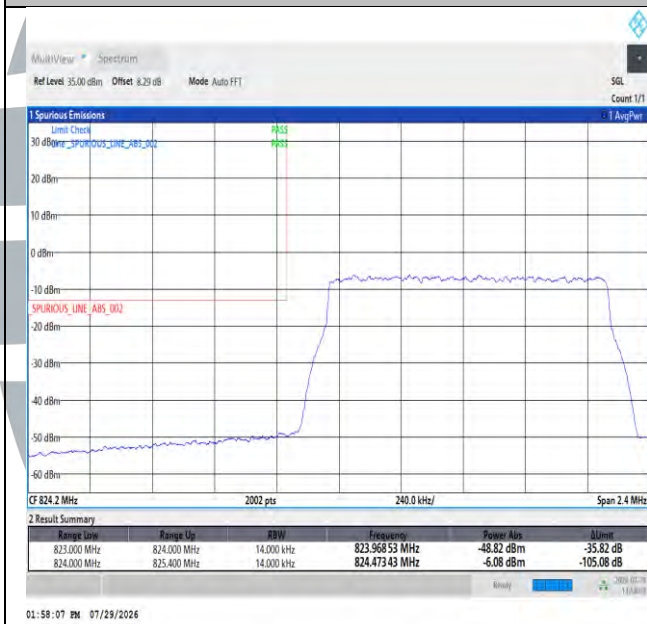




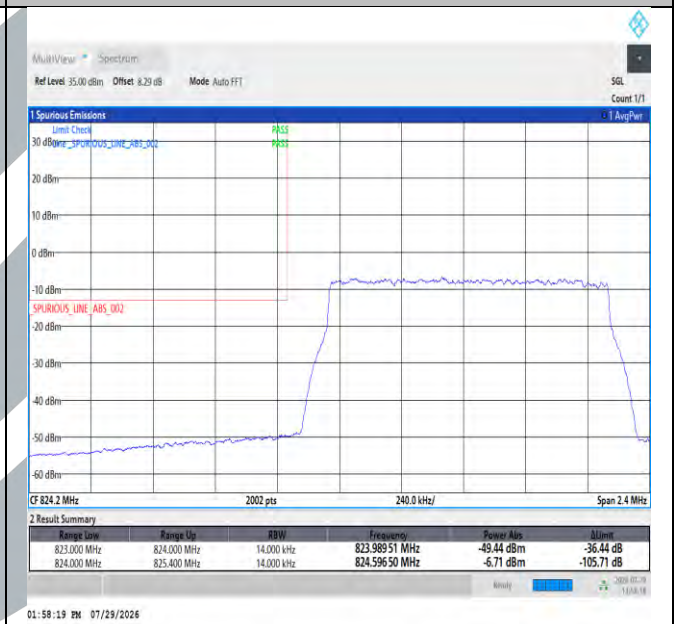
Band5-1.4MHz-16QAM-20407-1RB#5-PASS



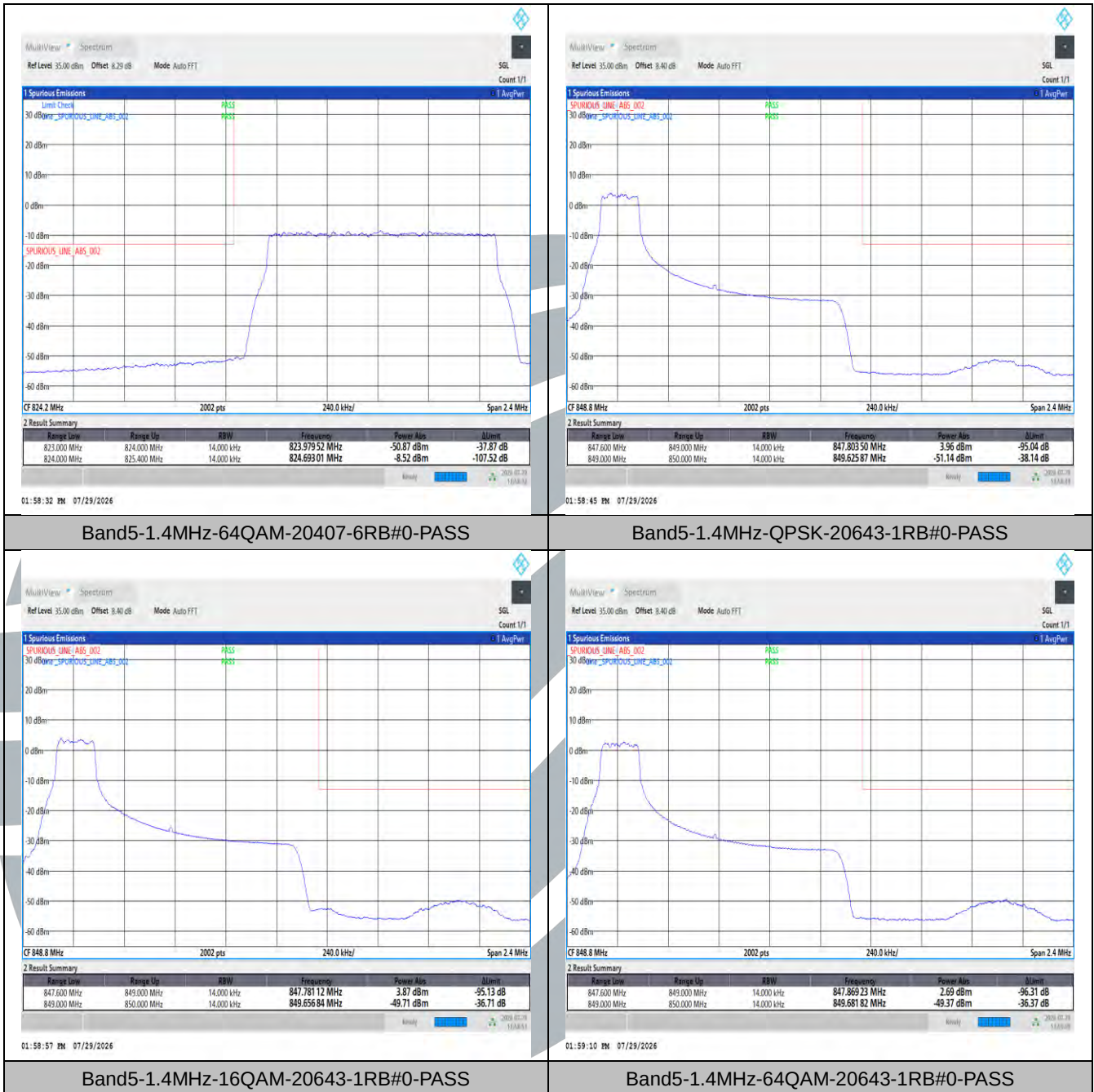
Band5-1.4MHz-64QAM-20407-1RB#5-PASS

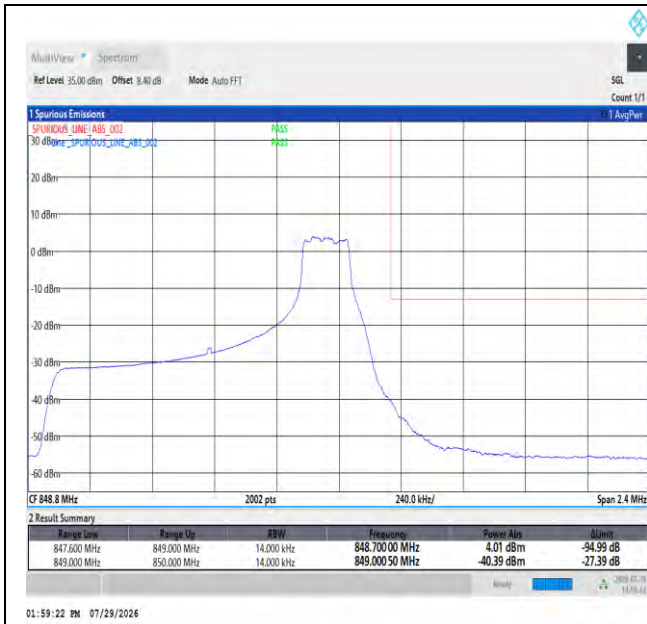


Band5-1.4MHz-QPSK-20407-6RB#0-PASS

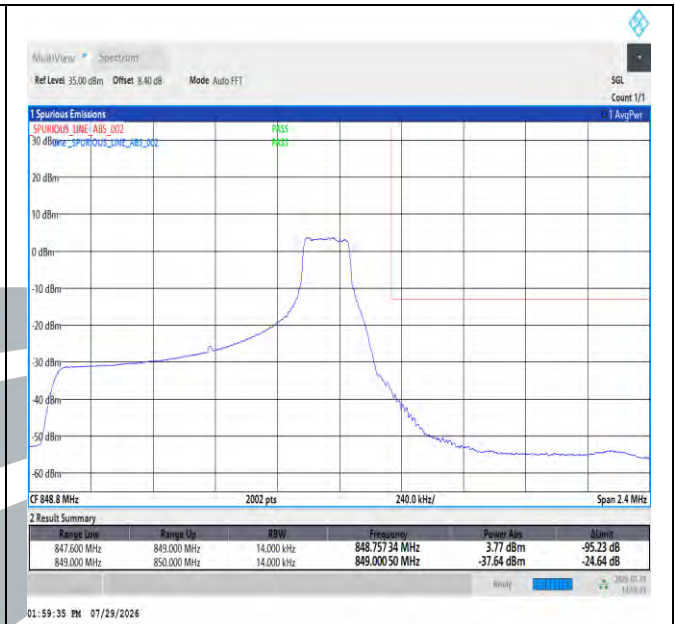


Band5-1.4MHz-16QAM-20407-6RB#0-PASS

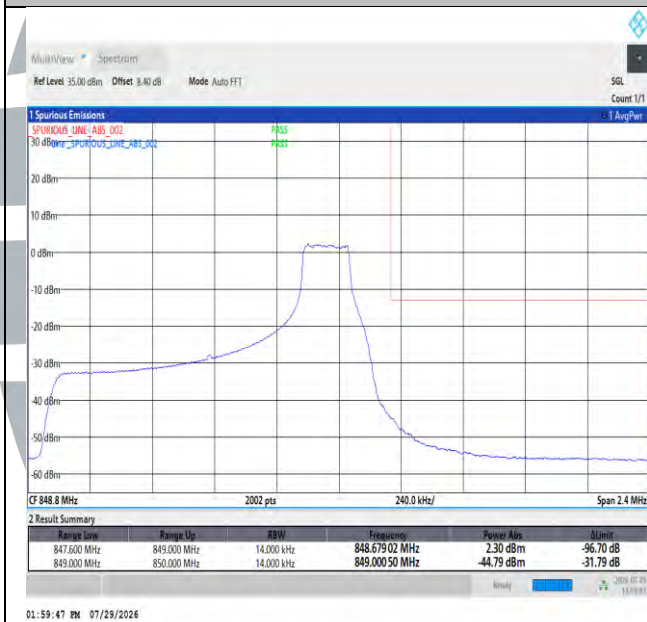




Band5-1.4MHz-QPSK-20643-1RB#5-PASS



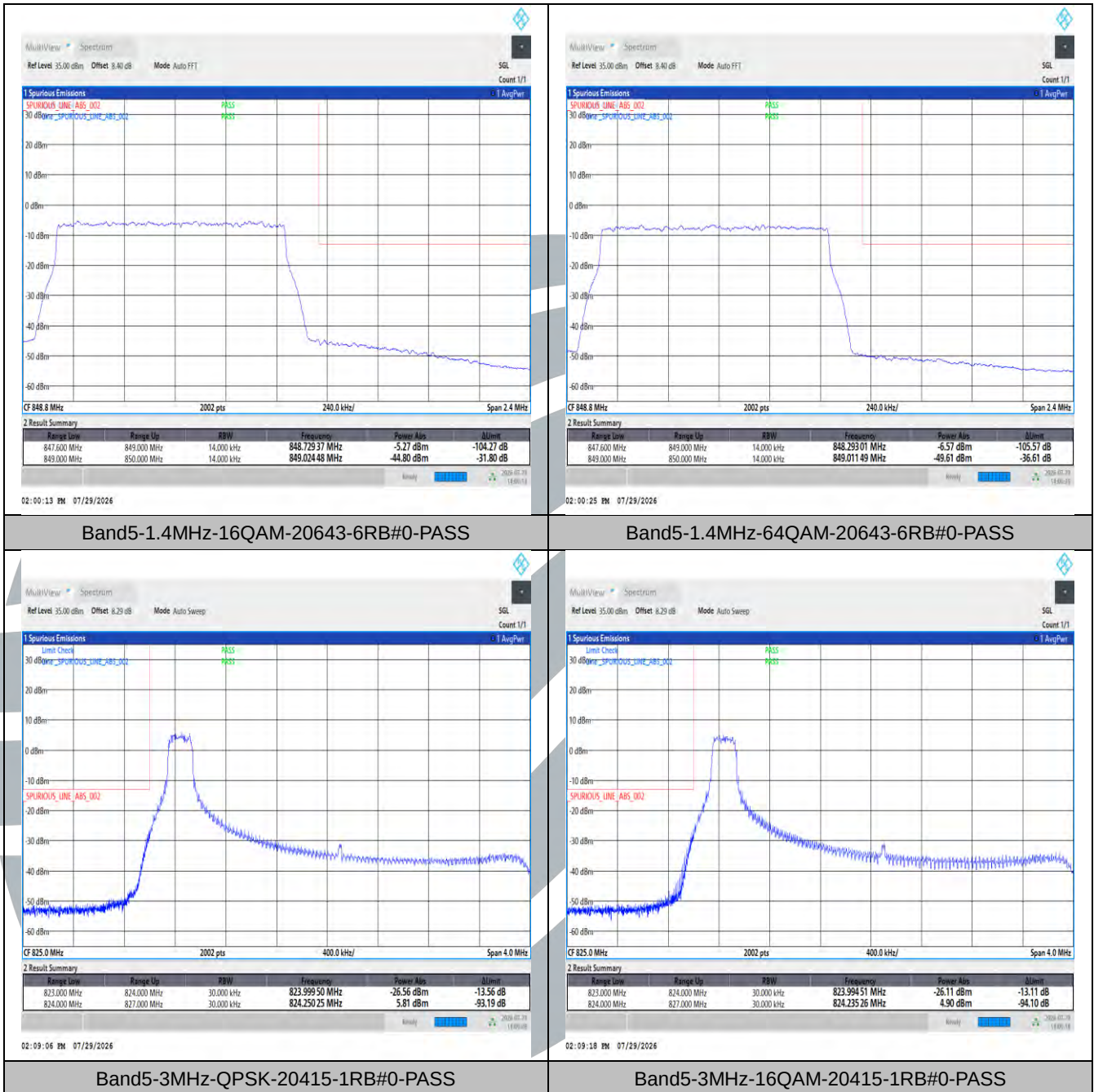
Band5-1.4MHz-16QAM-20643-1RB#5-PASS

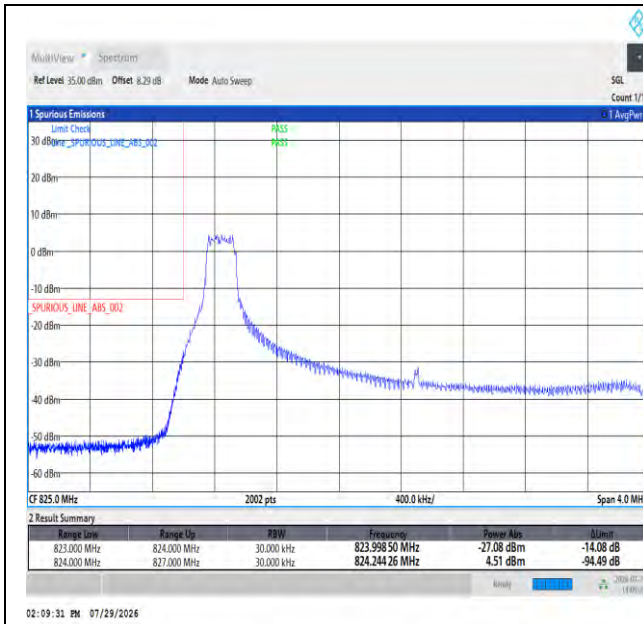


Band5-1.4MHz-64QAM-20643-1RB#5-PASS

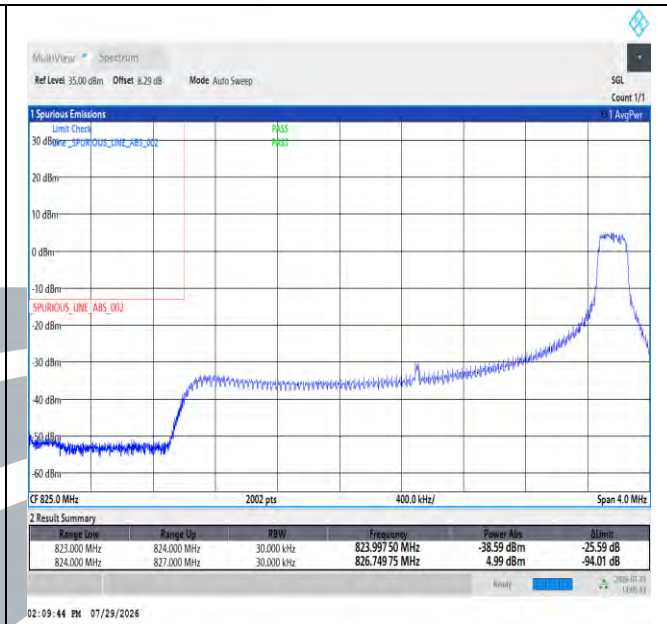


Band5-1.4MHz-QPSK-20643-6RB#0-PASS

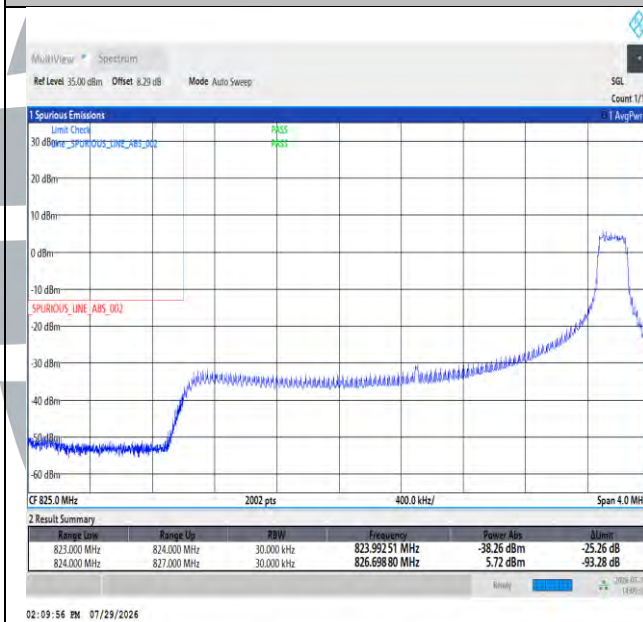




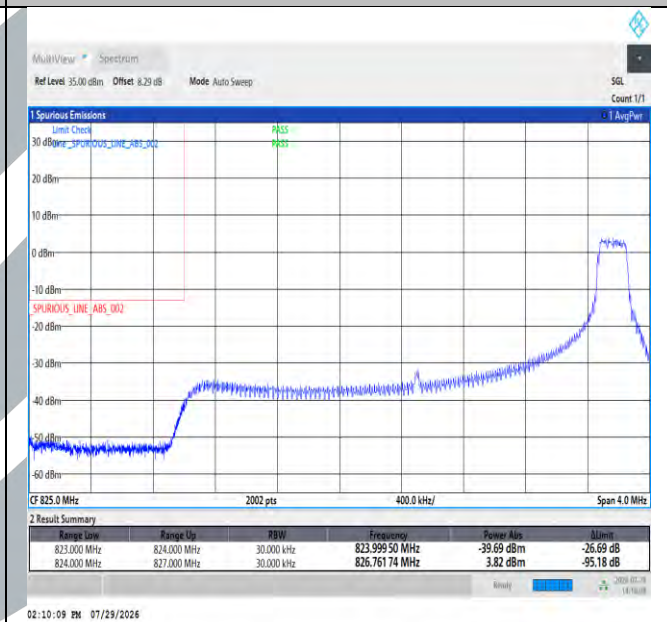
Band5-3MHz-64QAM-20415-1RB#0-PASS



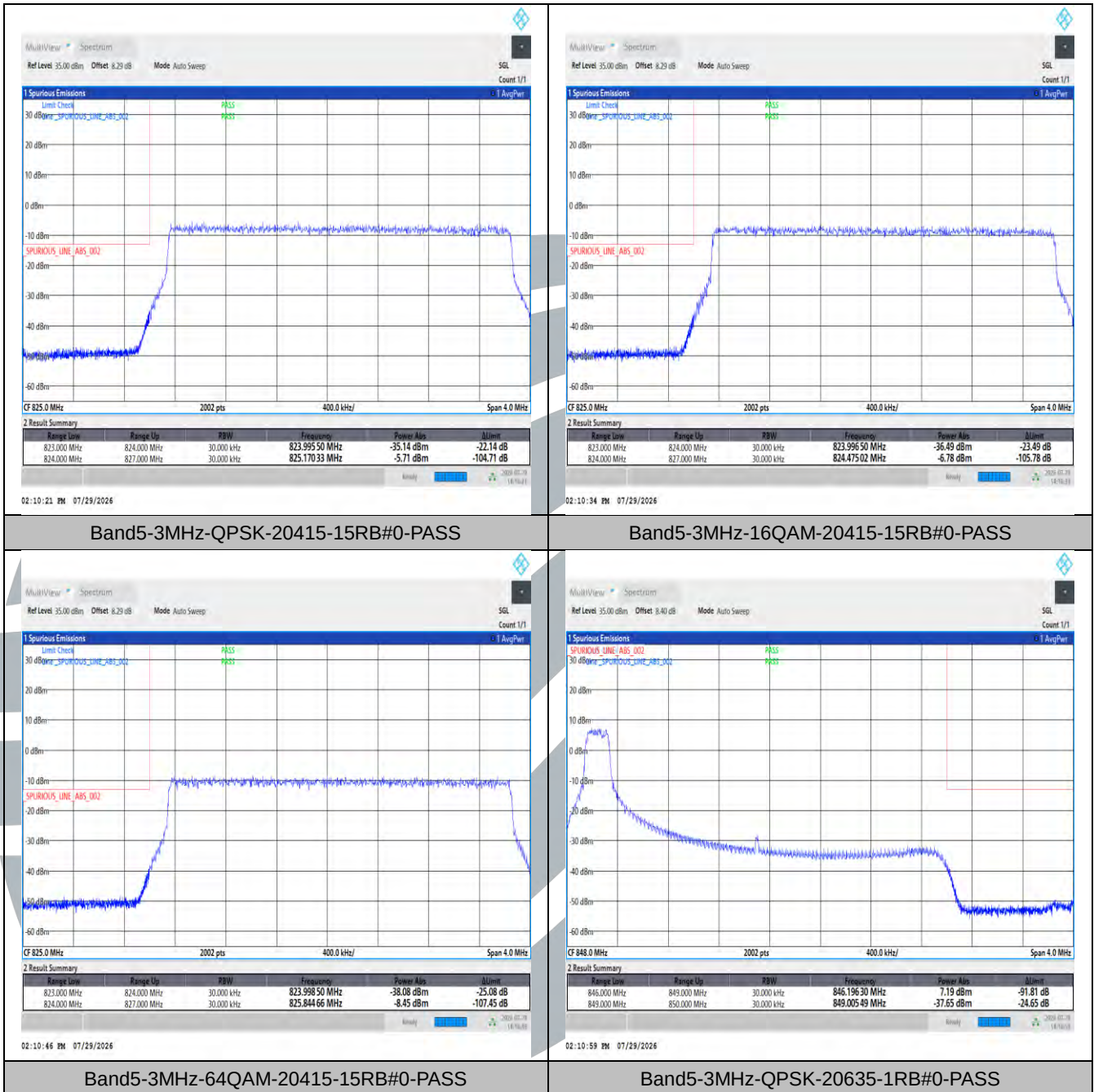
Band5-3MHz-QPSK-20415-1RB#14-PASS

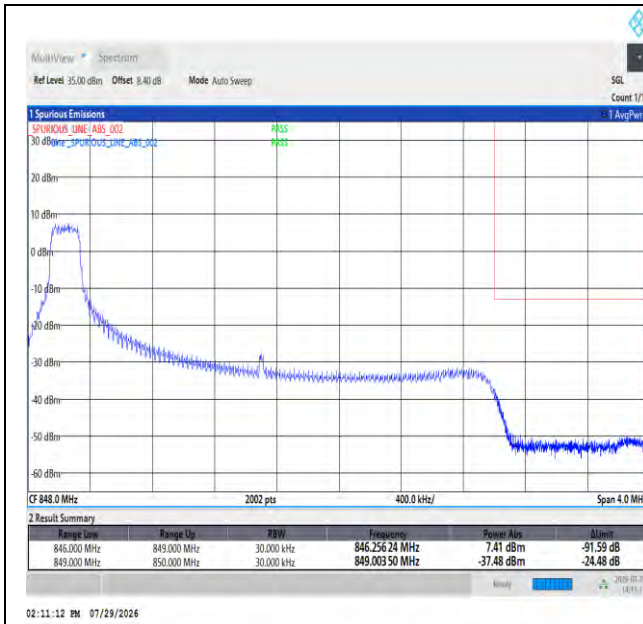


Band5-3MHz-16QAM-20415-1RB#14-PASS

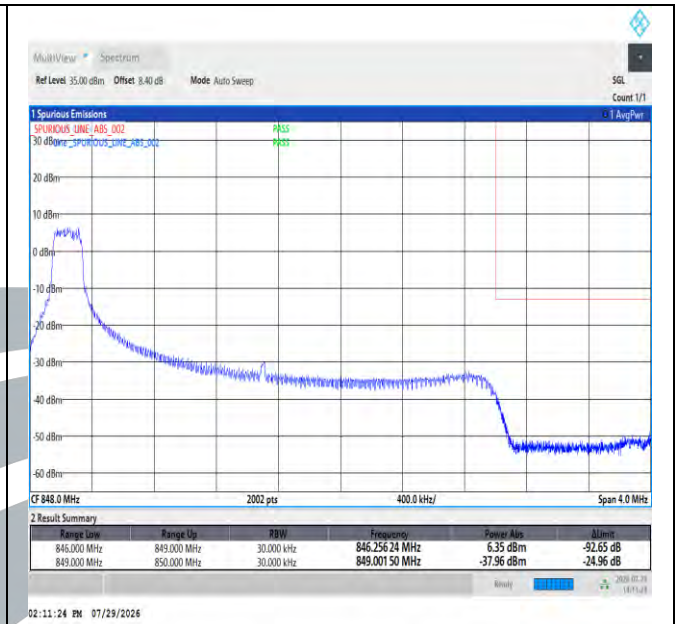


Band5-3MHz-64QAM-20415-1RB#14-PASS

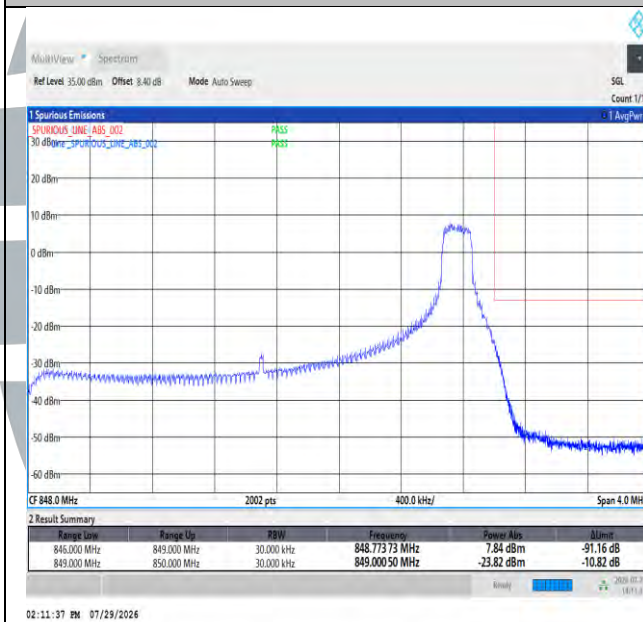




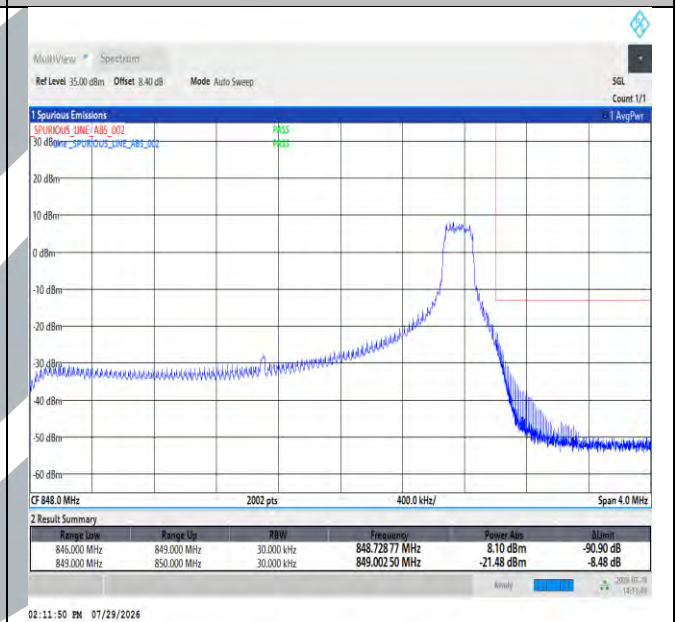
Band5-3MHz-16QAM-20635-1RB#0-PASS



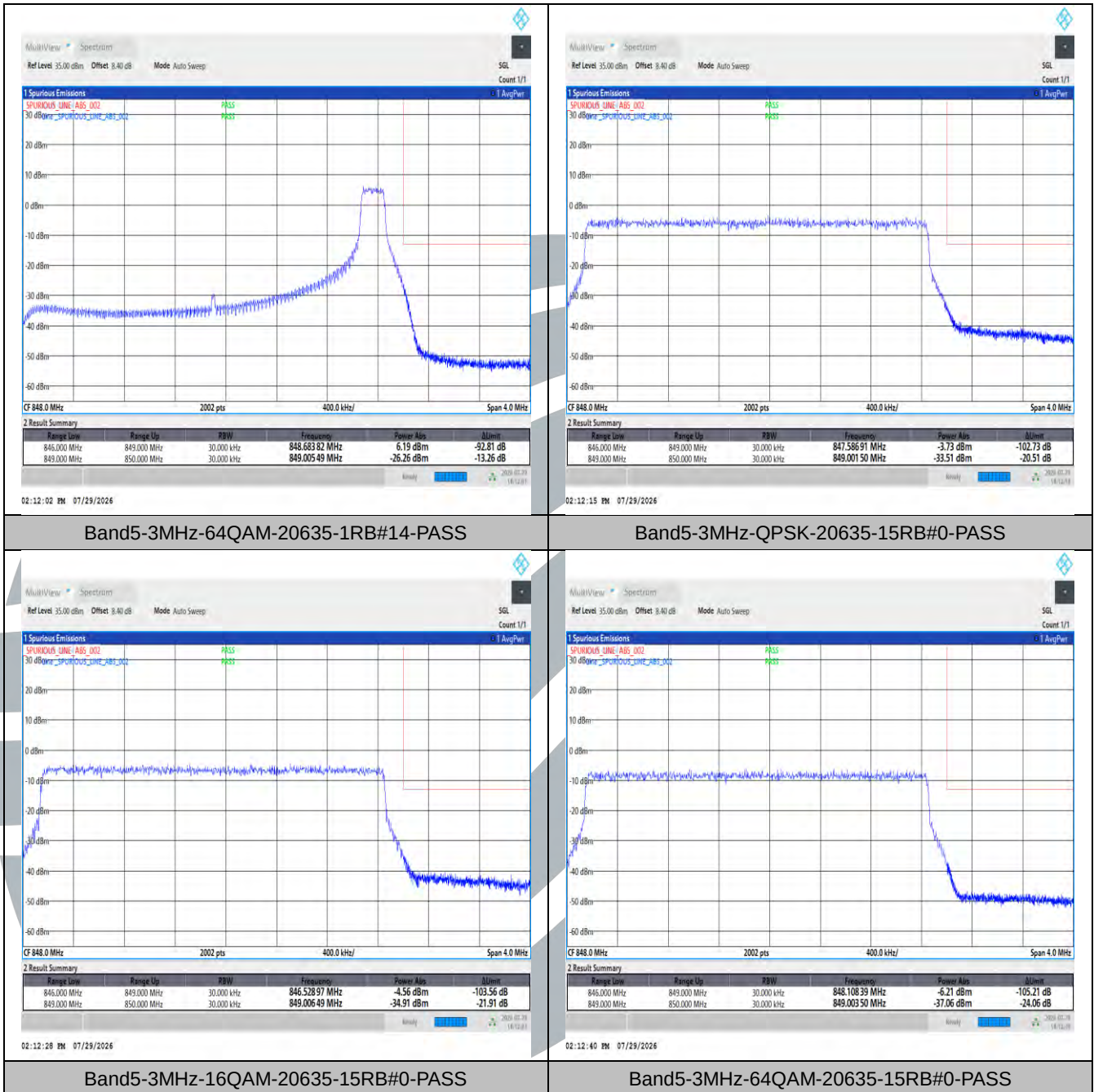
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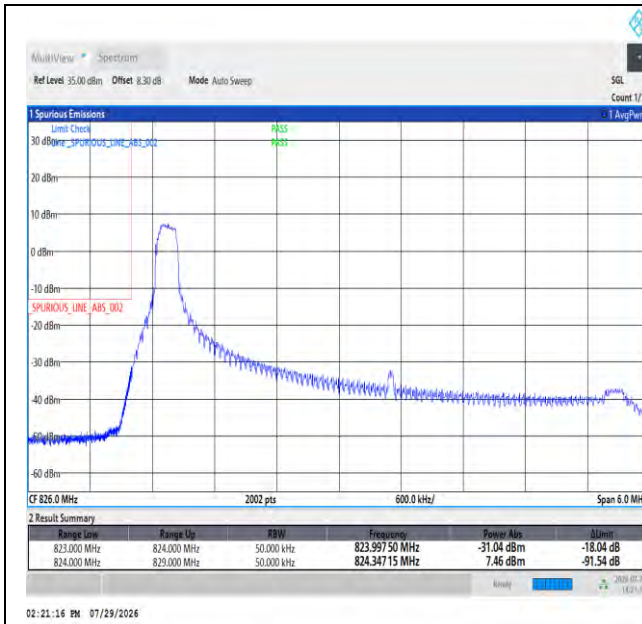


Band5-3MHz-QPSK-20635-1RB#14-PASS

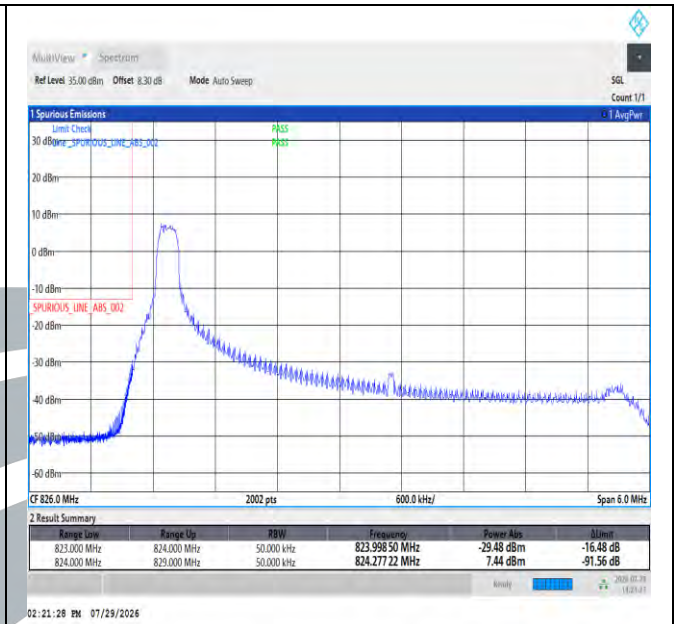


Band5-3MHz-16QAM-20635-1RB#14-PASS

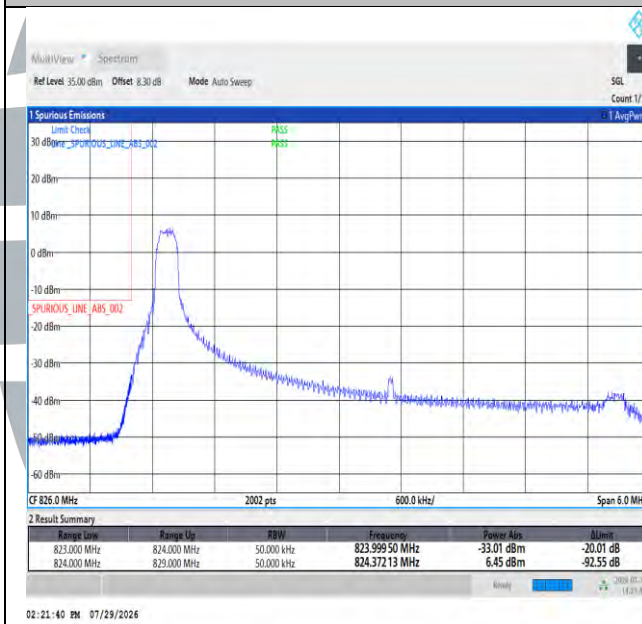




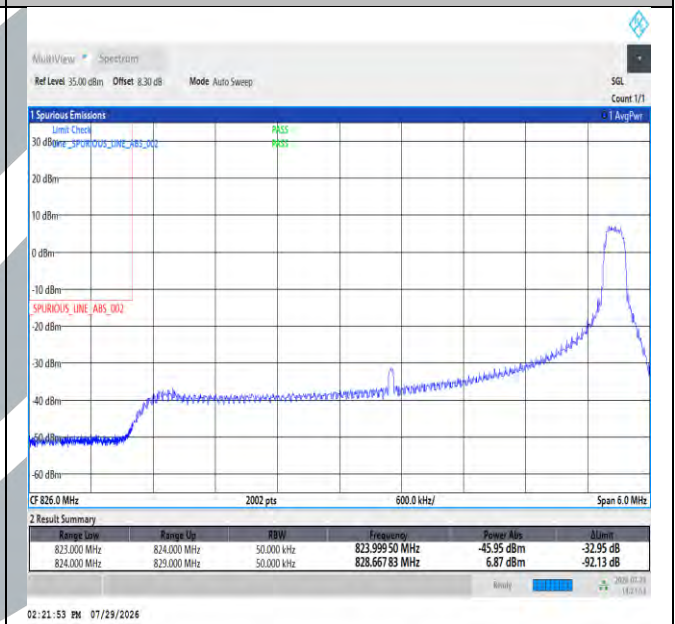
Band5-5MHz-QPSK-20425-1RB#0-PASS



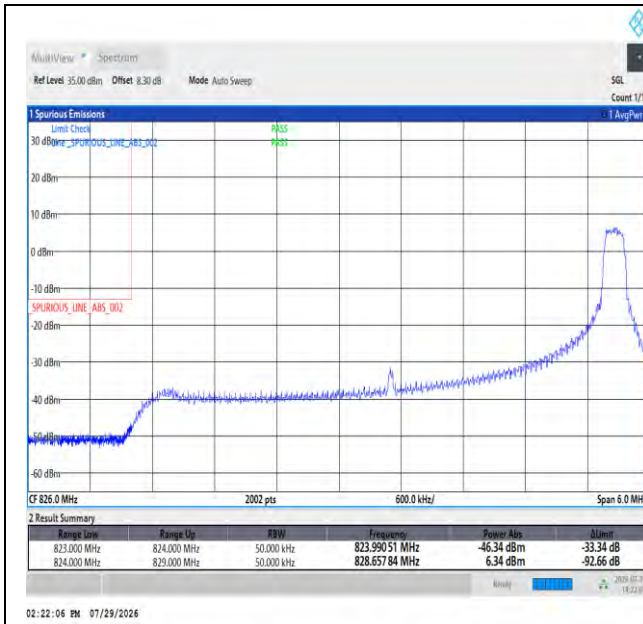
Band5-5MHz-16QAM-20425-1RB#0-PASS



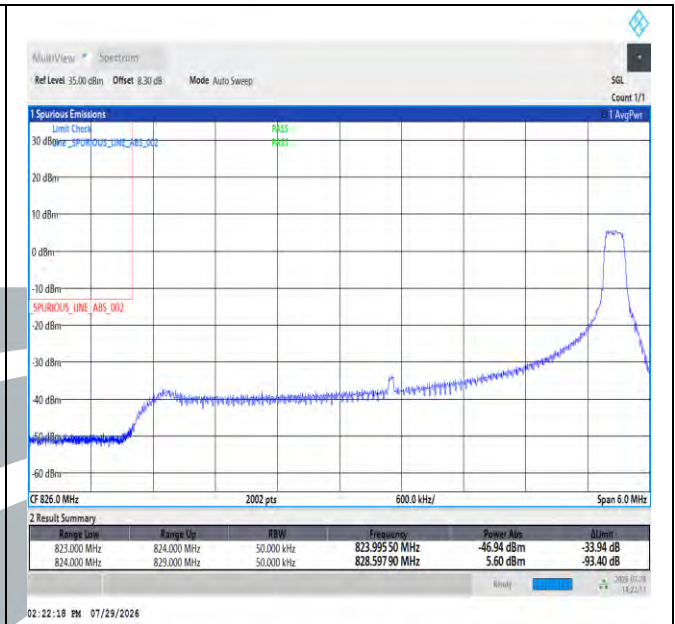
Band5-5MHz-64QAM-20425-1RB#0-PASS



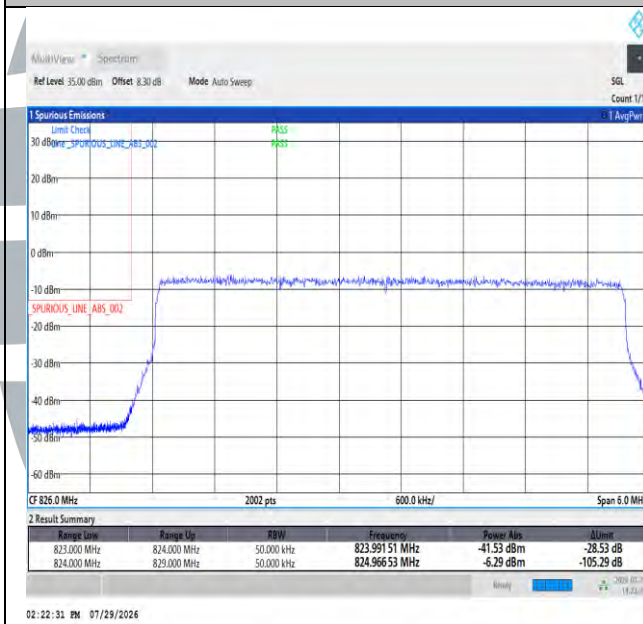
Band5-5MHz-QPSK-20425-1RB#24-PASS



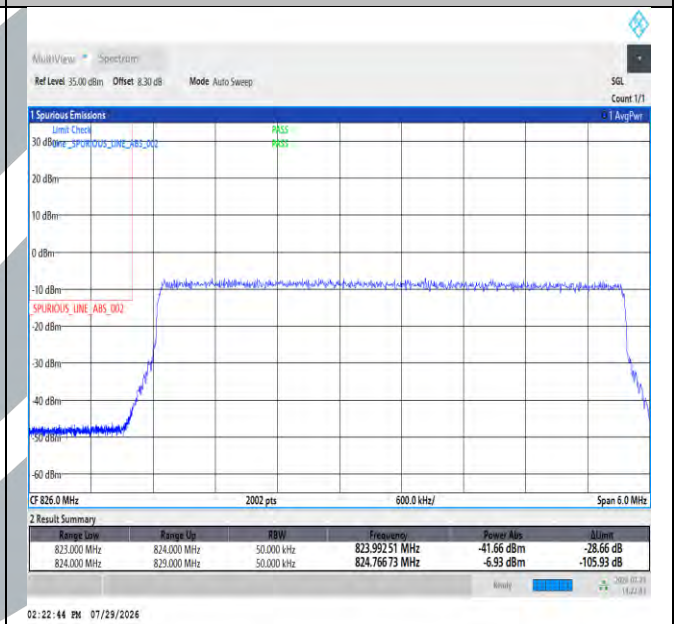
Band5-5MHz-16QAM-20425-1RB#24-PASS



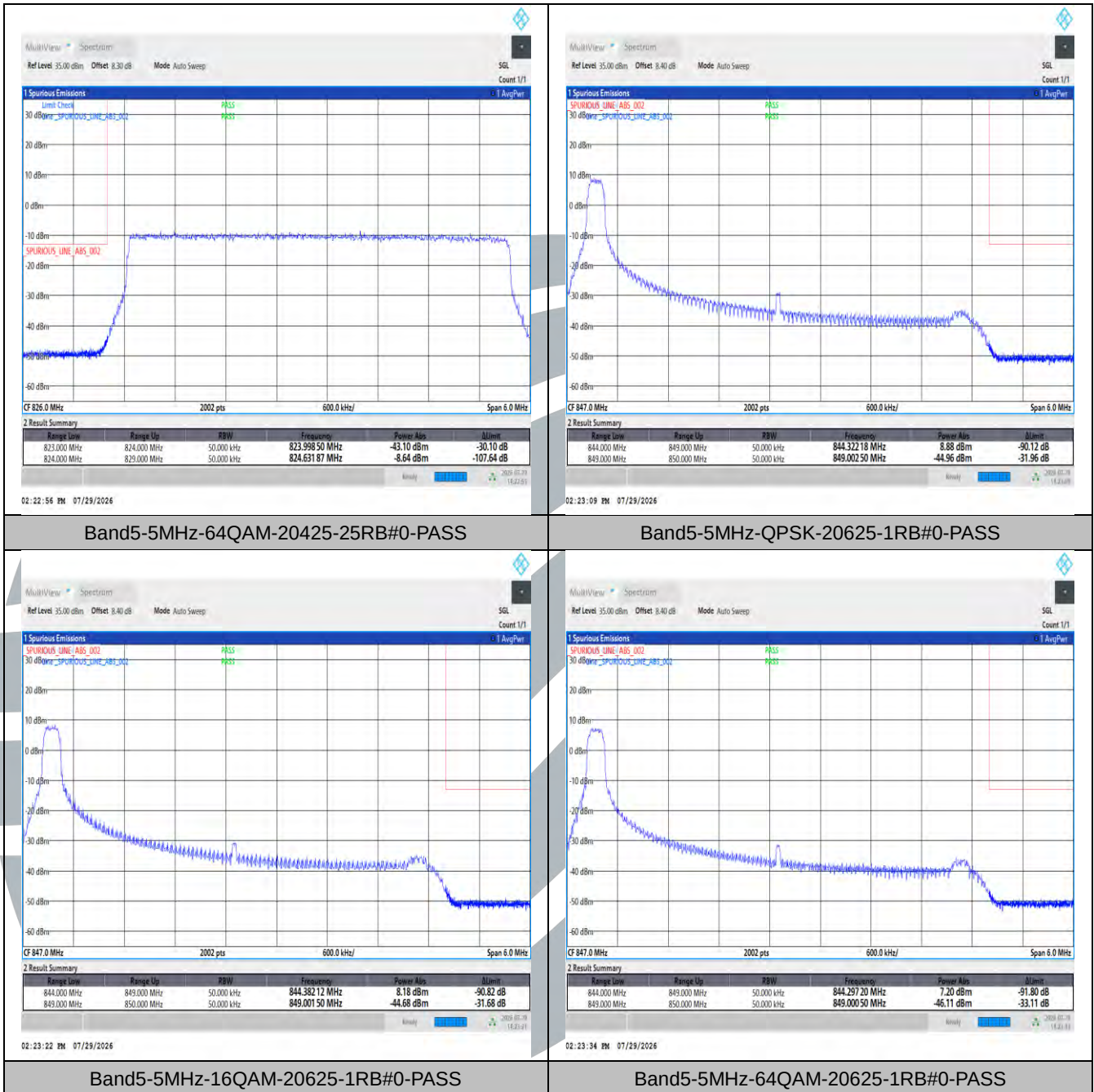
Band5-5MHz-64QAM-20425-1RB#24-PASS

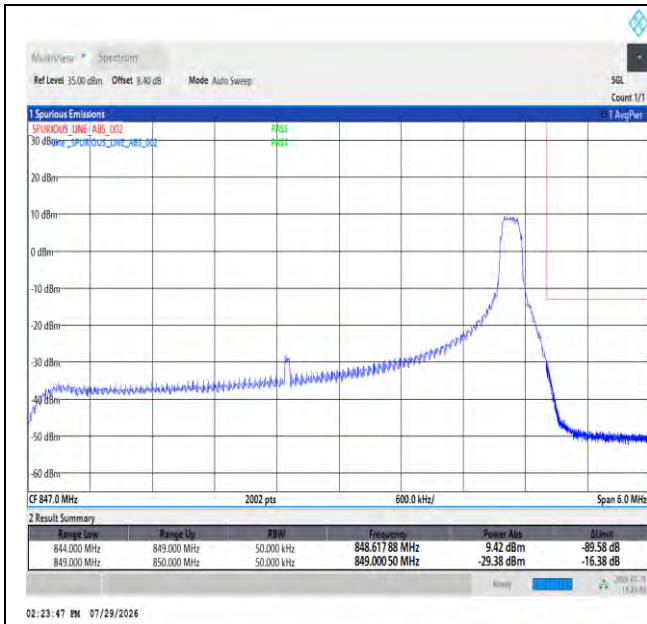


Band5-5MHz-QPSK-20425-25RB#0-PASS

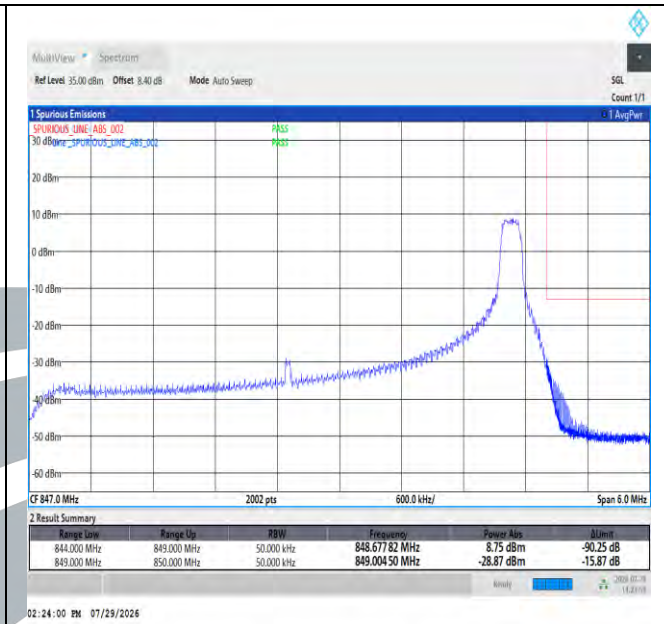


Band5-5MHz-16QAM-20425-25RB#0-PASS

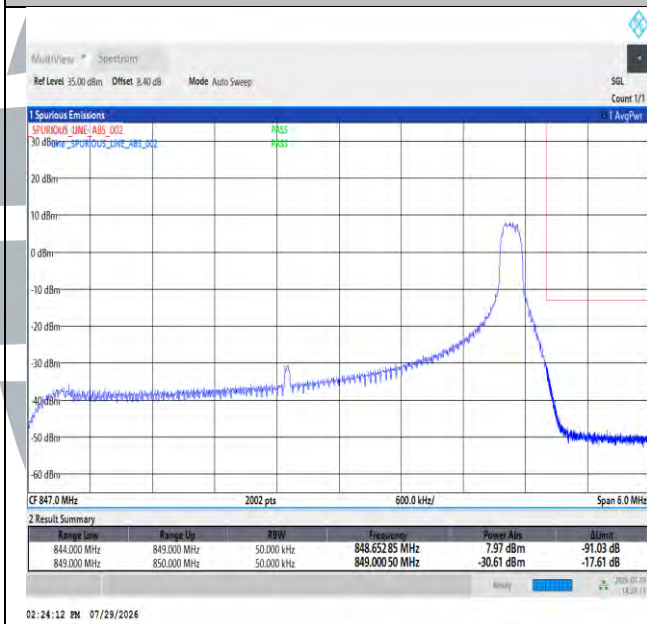




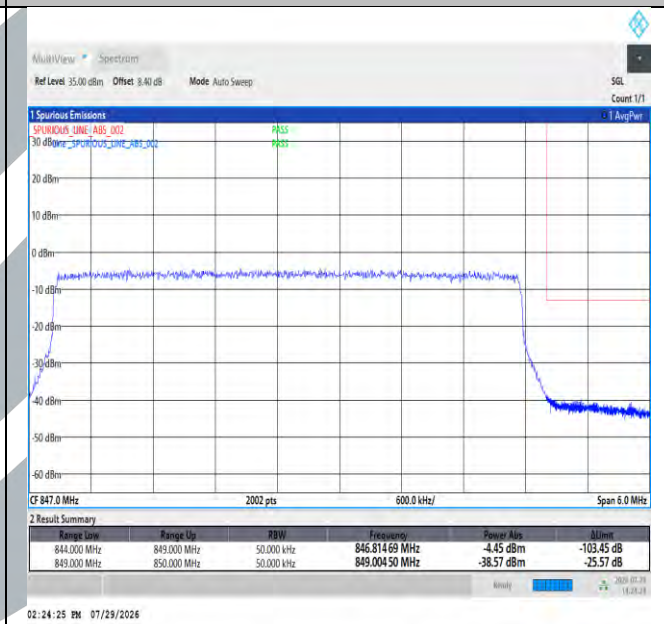
Band5-5MHz-QPSK-20625-1RB#24-PASS



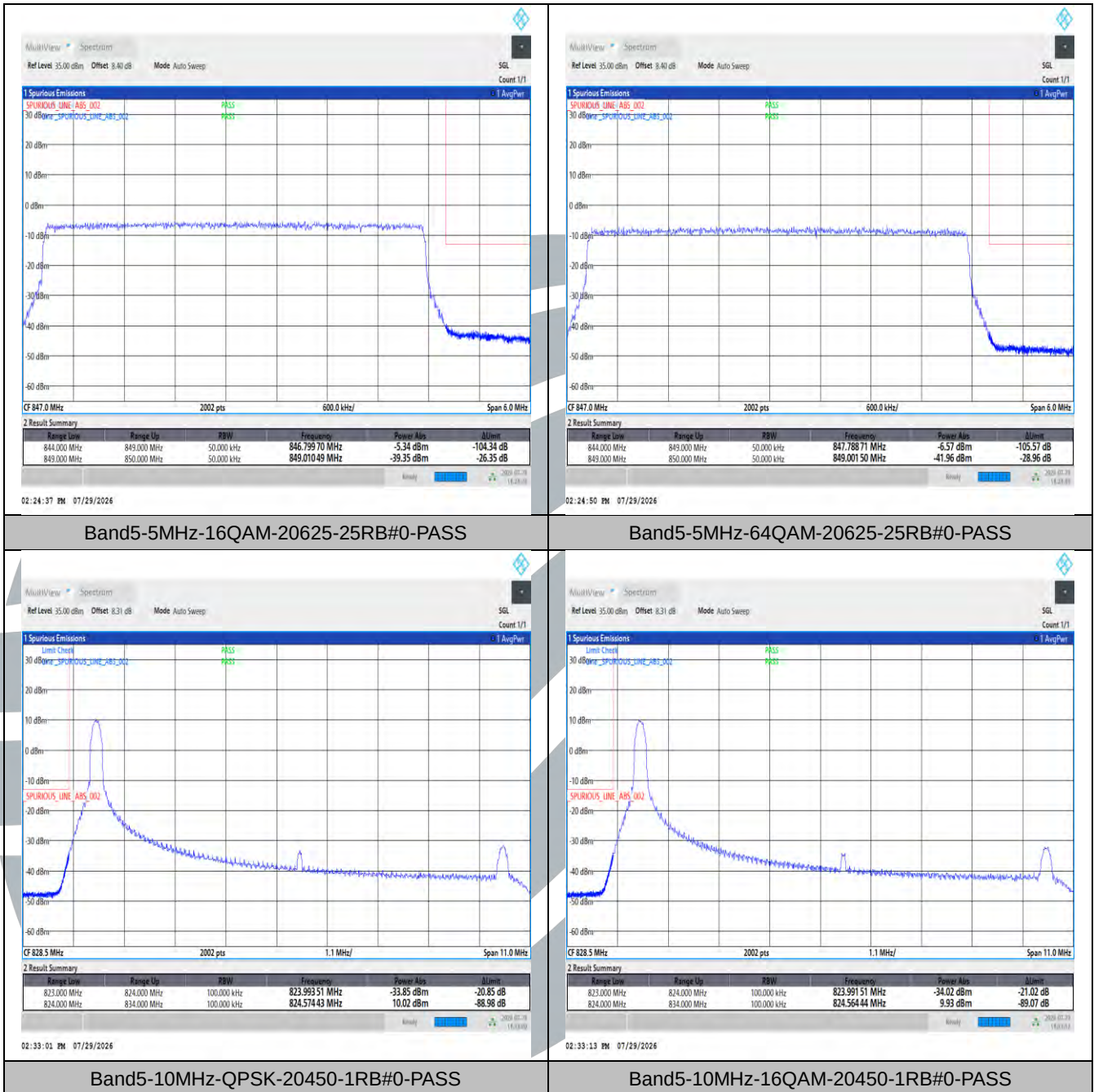
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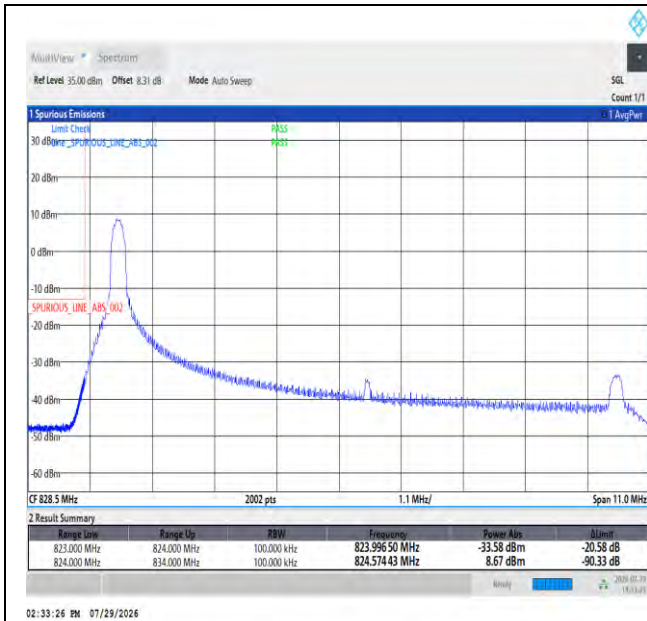


Band5-5MHz-64QAM-20625-1RB#24-PASS

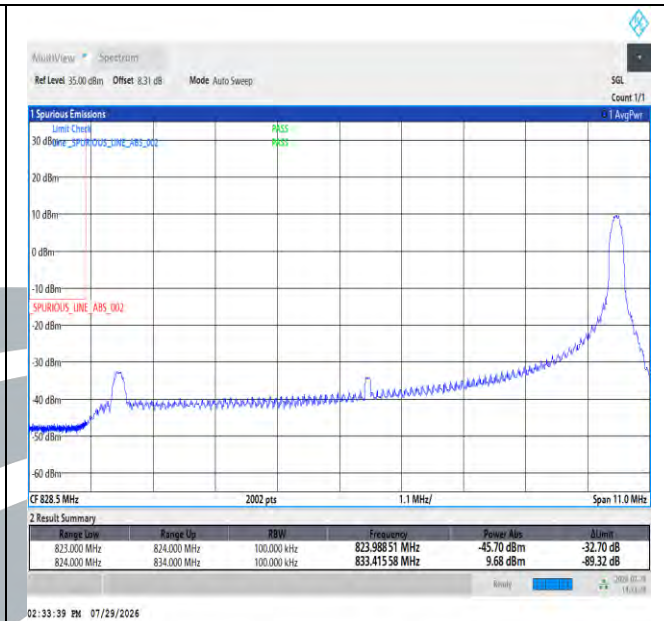


Band5-5MHz-QPSK-20625-25RB#0-PASS

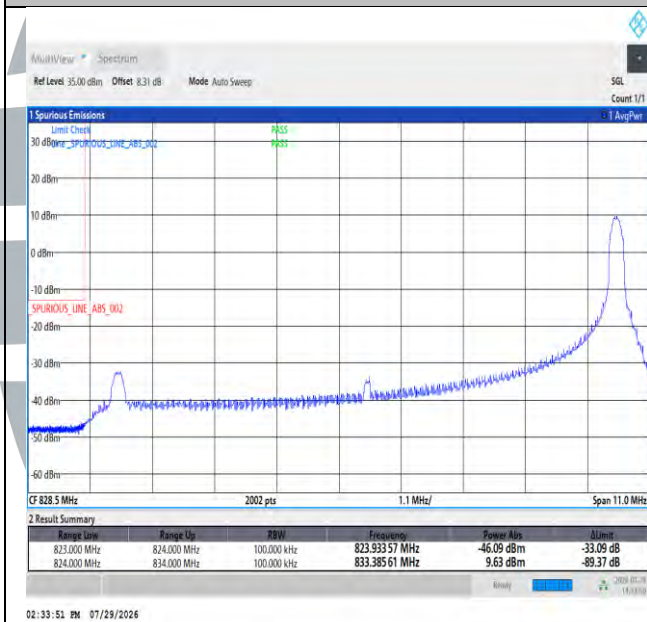




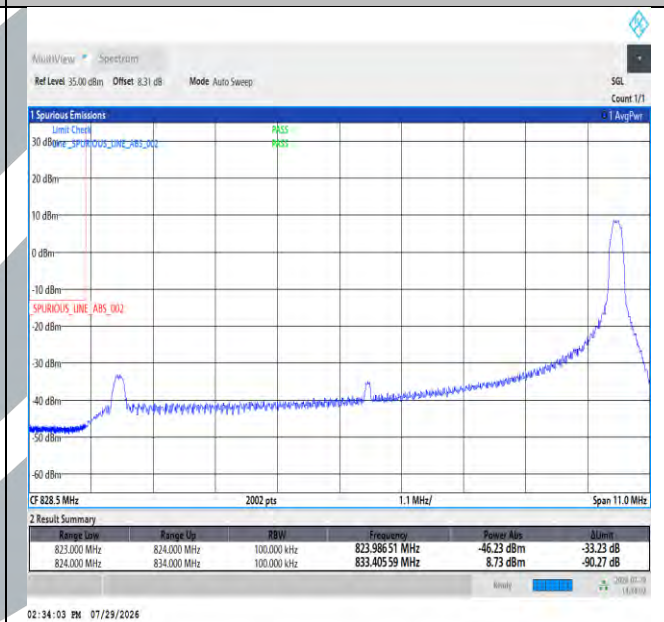
Band5-10MHz-64QAM-20450-1RB#0-PASS



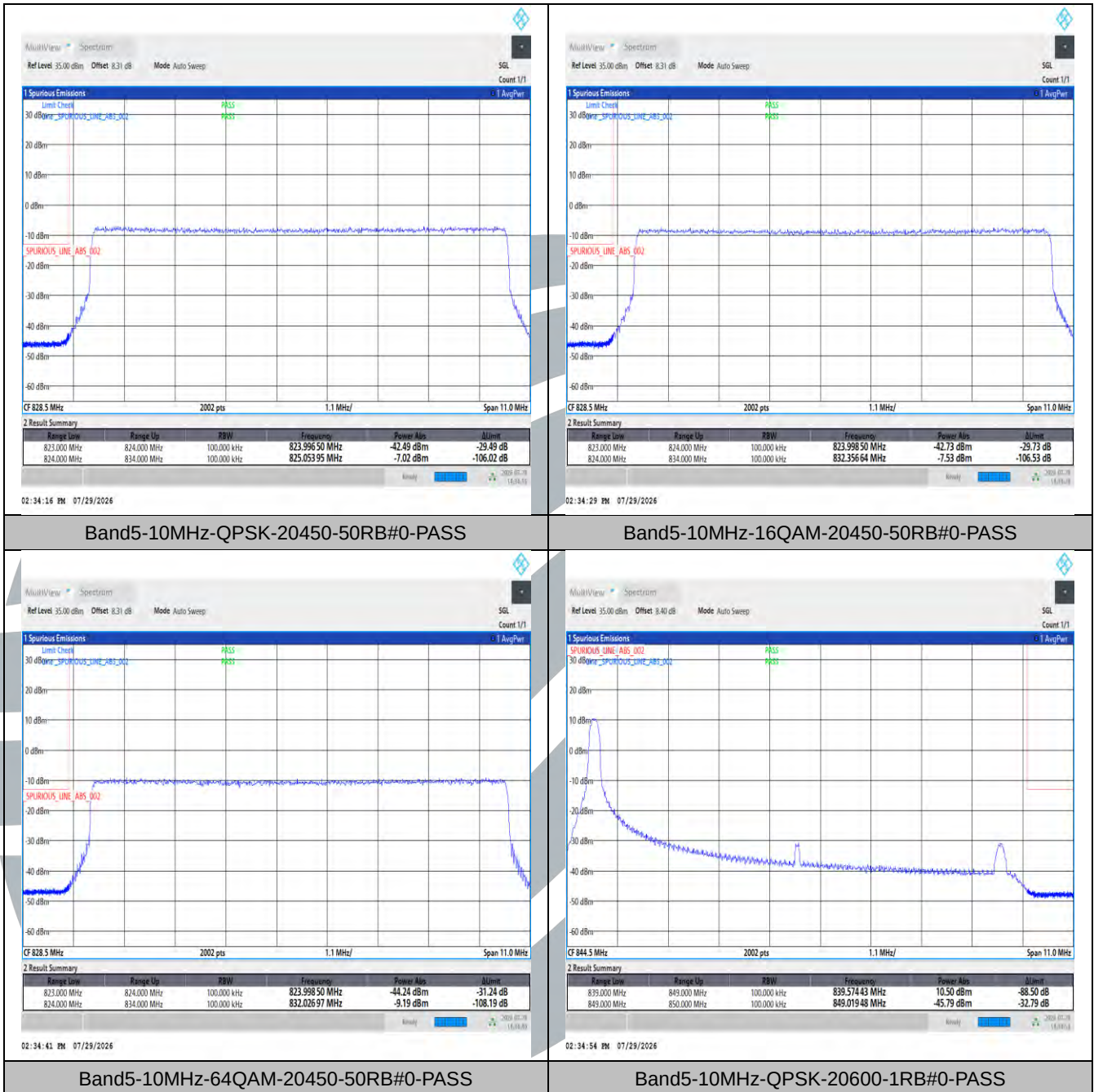
Band5-10MHz-QPSK-20450-1RB#49-PASS

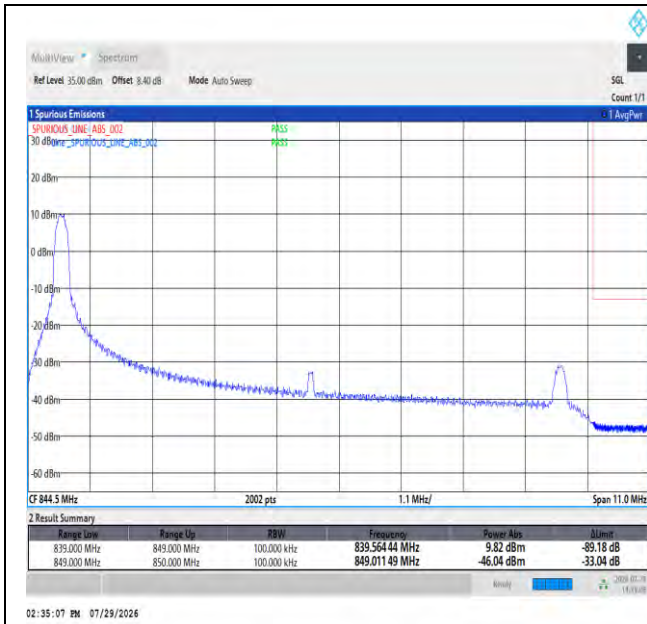


Band5-10MHz-16QAM-20450-1RB#49-PASS

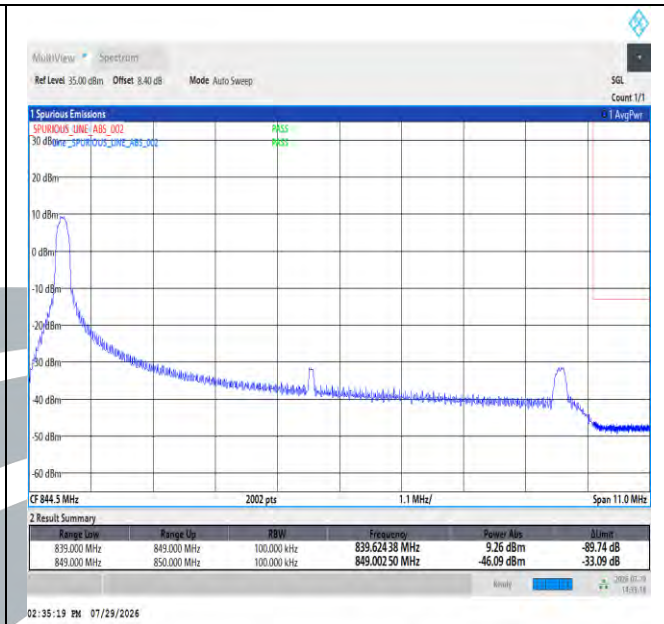


Band5-10MHz-64QAM-20450-1RB#49-PASS

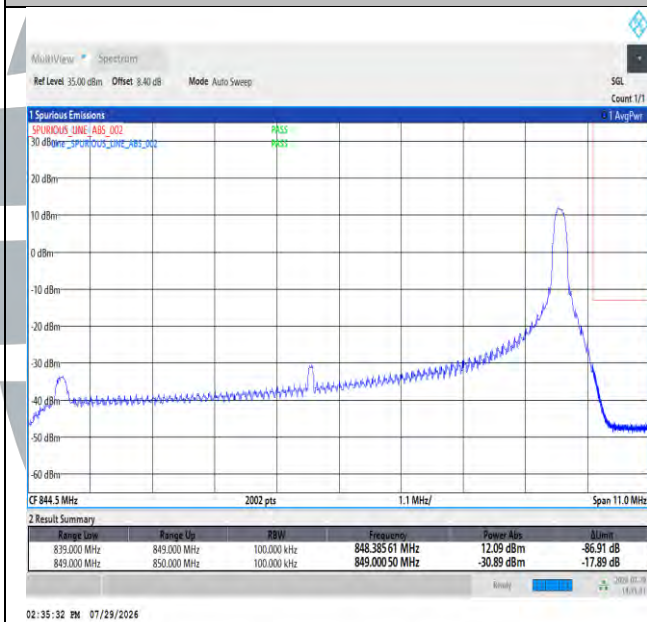




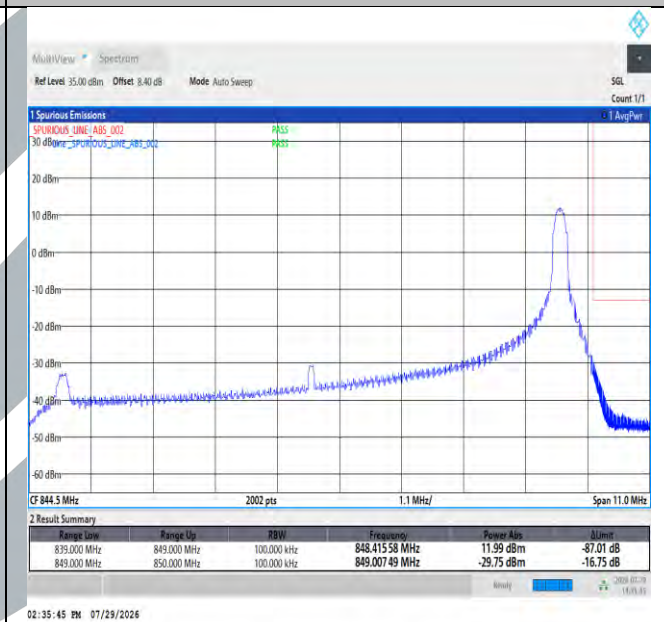
Band5-10MHz-16QAM-20600-1RB#0-PASS



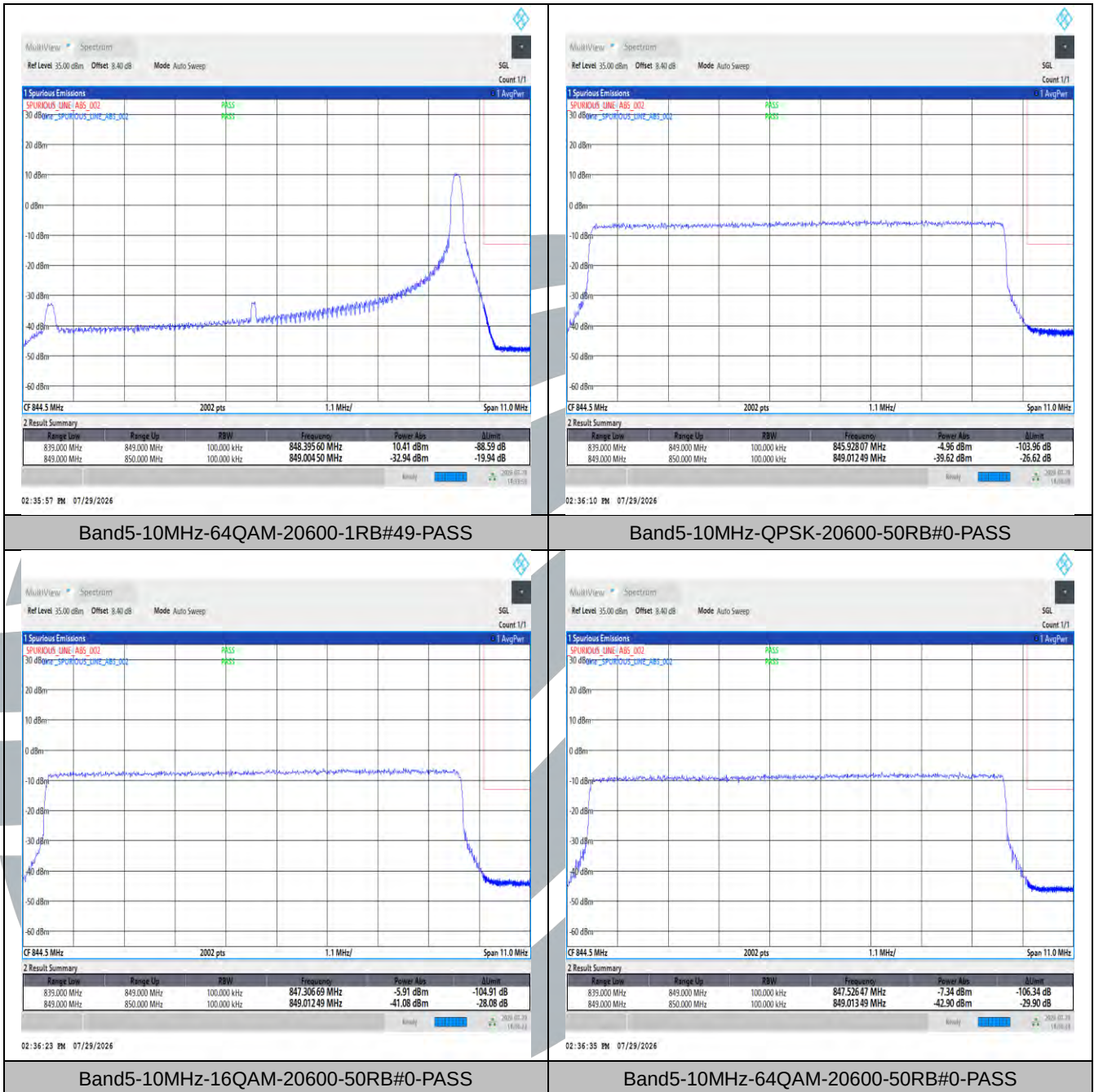
Band5-10MHz-64QAM-20600-1RB#0-PASS



Band5-10MHz-QPSK-20600-1RB#49-PASS



Band5-10MHz-16QAM-20600-1RB#49-PASS

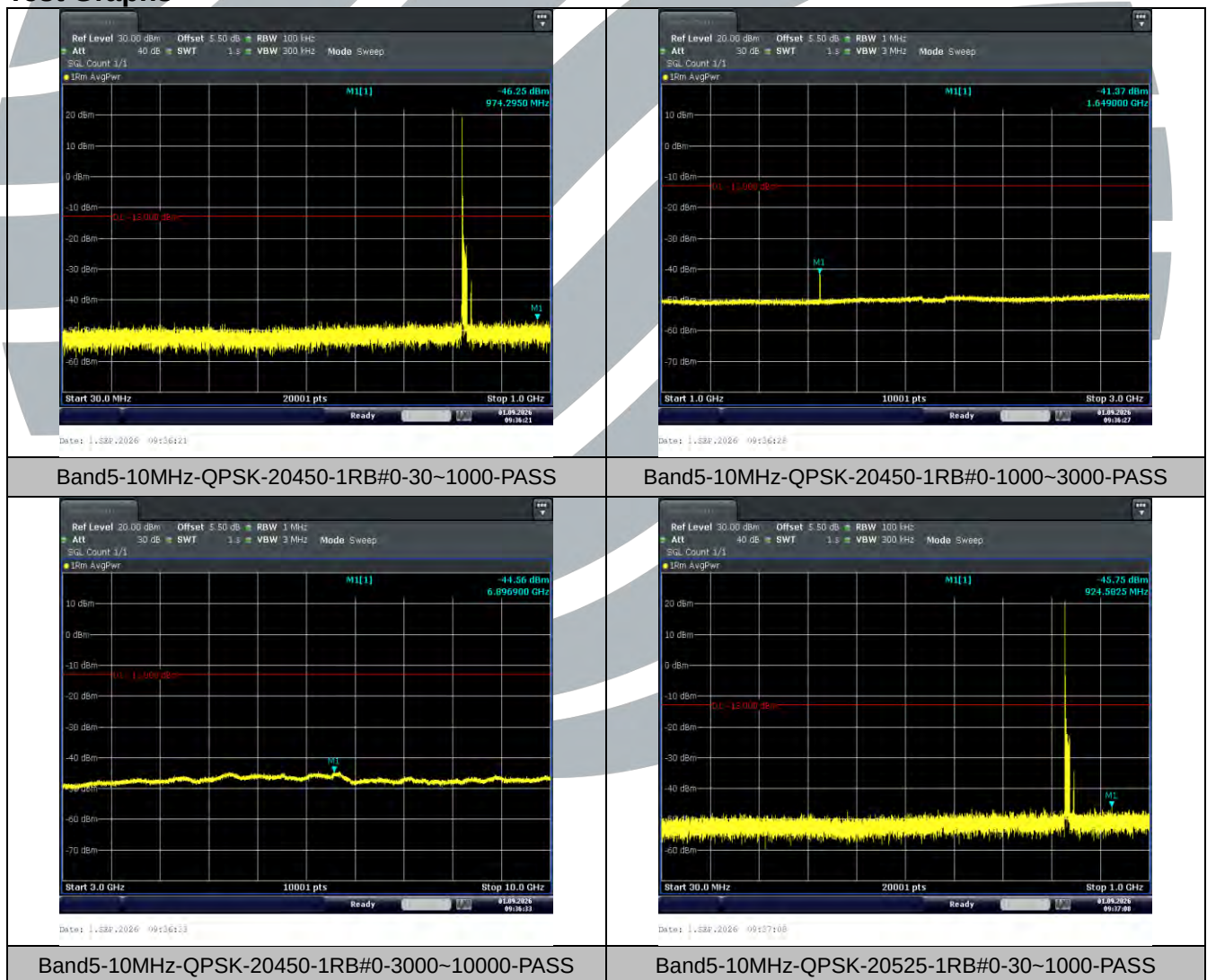


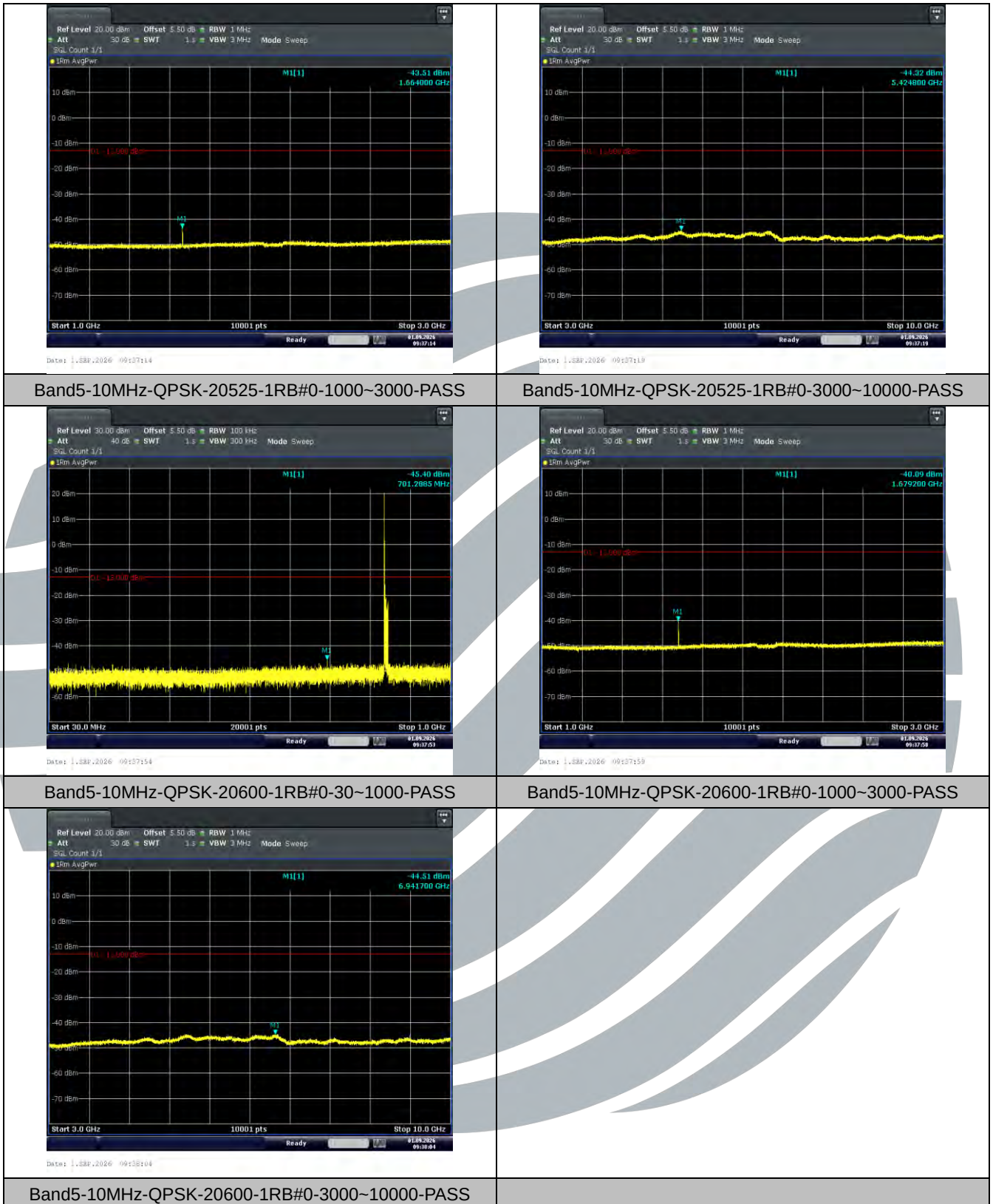
C.4 CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Frequency Range (MHz)	Result (dBm)	Verdict
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-46.25	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-41.37	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-44.56	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-45.75	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-43.51	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-44.32	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-45.40	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-40.09	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.51	PASS

Test Graphs





C.5 FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth (MHz)	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	5.40	0.006548	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	16.90	0.020492	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	10.90	0.013217	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	-19.80	- 0.023670	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-33.10	- 0.039570	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-8.90	- 0.010640	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	-11.00	- 0.012967	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	-17.60	- 0.020747	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-26.30	- 0.031003	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	-0.60	- 0.000727	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	-16.30	- 0.019746	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	-47.60	- 0.057662	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-31.80	- 0.038016	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	-0.20	- 0.00023	±2.5	PASS

								9		
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-19.60	0.02343 1	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-21.10	- 0.02489 7	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-33.60	- 0.03964 6	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	-42.40	- 0.05002 9	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	-2.00	- 0.00242 0	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	2.50	0.00302 5	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	-18.60	- 0.02250 5	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	-22.40	- 0.02677 8	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-34.80	- 0.04160 2	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-42.00	- 0.05020 9	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	-26.70	- 0.03154 2	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	-33.00	- 0.03898 4	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-41.70	- 0.04926 2	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	2.40	0.00289 5	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	4.20	0.00506	±2.5	PASS

								6		
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-21.00	0.02533 2	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-13.70	- 0.01637 8	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-25.70	- 0.03072 3	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-9.10	- 0.01087 9	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-14.50	- 0.01718 0	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-20.40	- 0.02417 1	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-28.40	- 0.03364 9	±2.5	PASS

Temperature										
Band	Bandwidth (MHz)	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-10.90	- 0.01321 7	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-37.50	- 0.04547 1	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	-15.80	- 0.01915 8	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-32.80	- 0.03977 2	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-2.40	- 0.00291 0	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-14.00	- 0.01697	±2.5	PASS

								6		
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	-27.70	- 0.03358 8	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-33.80	- 0.04098 5	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	-47.50	- 0.05759 7	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-22.50	- 0.02689 8	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-40.40	- 0.04829 6	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	-9.00	- 0.01075 9	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-22.00	- 0.02630 0	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-30.10	- 0.03598 3	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-44.70	- 0.05343 7	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-12.50	- 0.01494 3	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	-34.00	- 0.04064 6	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-5.90	- 0.00705 3	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-30.80	- 0.03630 8	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-37.60	- 0.04432	±2.5	PASS

								4		
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	-3.70	0.00436 2	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-8.30	0.00978 4	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-21.30	0.02510 9	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-26.80	0.03159 3	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	-38.70	0.04562 1	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-0.40	0.00047 2	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-12.30	0.01450 0	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	-3.10	0.00375 5	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	-21.80	0.02640 8	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	-45.90	0.05560 3	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	-38.10	0.04615 4	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	-27.90	0.03379 8	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	-8.80	0.01066 0	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	-37.00	0.04482	±2.5	PASS

								1		
Band5	3MHz	QPSK	20415	15RB#0	NV	40	-15.30	- 0.01853 4	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	-39.30	- 0.04760 8	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	3.50	0.00418 4	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	-9.00	- 0.01075 9	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	-30.90	- 0.03694 0	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	-8.20	- 0.00980 3	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	-32.50	- 0.03885 2	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-6.90	- 0.00824 9	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	30	-15.40	- 0.01841 0	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	-38.90	- 0.04650 3	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	-9.00	- 0.01075 9	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-2.90	- 0.00342 2	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-15.30	- 0.01805 3	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	-32.80	- 0.03870 2	±2.5	PASS

Band5	3MHz	QPSK	20635	15RB#0	NV	0	-2.00	- 0.00236 0	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-14.30	- 0.01687 3	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-23.00	- 0.02713 9	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	-42.70	- 0.05038 3	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	-46.20	- 0.05451 3	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	-7.90	- 0.00932 2	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-39.70	- 0.04803 4	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-15.10	- 0.01827 0	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-10	-43.20	- 0.05226 9	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-34.50	- 0.04174 2	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	-13.70	- 0.01657 6	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	-37.30	- 0.04513 0	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	-8.40	- 0.01016 3	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	-1.20	- 0.00145 2	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	50	-11.30	-	0.01367 2	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-2.30	-	0.00275 0	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-14.60	-	0.01745 4	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	-25.80	-	0.03084 3	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	-35.70	-	0.04267 8	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-12.00	-	0.01434 5	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	-24.40	-	0.02916 9	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	-37.70	-	0.04506 9	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	2.70	-	0.00322 8	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	-8.10	-	0.00968 3	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-44.80	-	0.05292 4	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	-3.50	-	0.00413 5	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	-3.50	-	0.00413 5	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	-11.00	-	0.01299 5	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-7.10	-	-	±2.5	PASS

								0.00838 7		
Band5	5MHz	QPSK	20625	25RB#0	NV	20	-10.20	- 0.01205 0	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	-13.30	- 0.01571 2	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	-13.60	- 0.01606 6	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	-23.60	- 0.02788 0	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-41.70	- 0.05030 2	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-22.60	- 0.02726 2	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-46.20	- 0.05573 0	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-26.50	- 0.03196 6	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-7.60	- 0.00916 8	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-25.30	- 0.03051 9	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-44.00	- 0.05307 6	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-7.40	- 0.00892 6	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-22.70	- 0.02738 2	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-11.30	-	±2.5	PASS

								0.013509		
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-28.30	0.033831	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-42.40	0.050687	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-6.90	0.008249	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-28.10	0.033592	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-46.80	0.055947	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-9.20	0.010998	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-16.50	0.019725	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-35.00	0.041841	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-30.70	0.036374	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-34.80	0.041232	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-42.90	0.050829	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-4.80	0.005687	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-10.90	0.012915	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-24.20	-	±2.5	PASS

								0.02867 3		
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-37.80	- 0.04478 7	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-3.60	- 0.00426 5	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-10.50	- 0.01244 1	±2.5	PASS

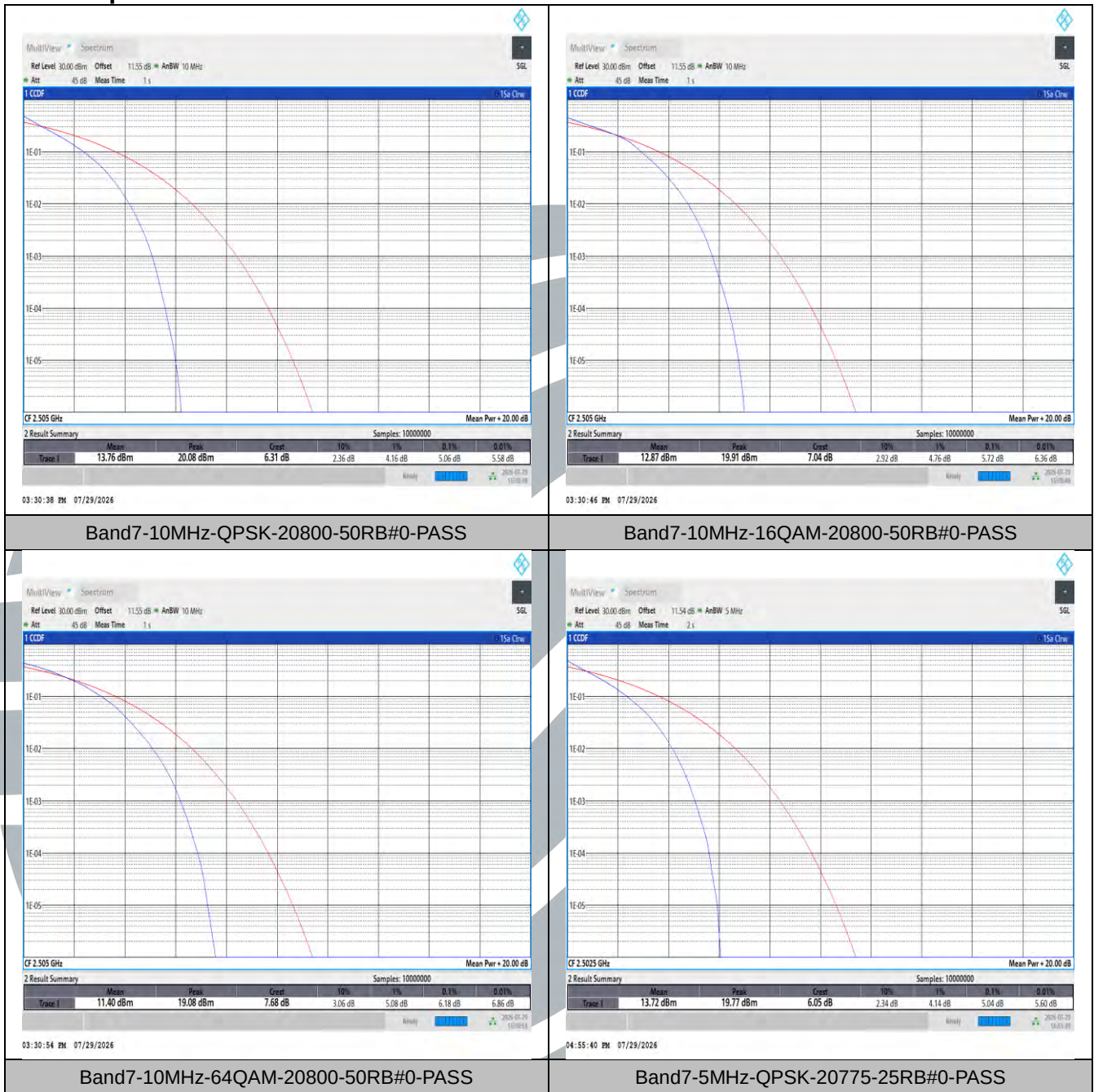
APPENDIX D LTE BAND7 RF TEST DATA

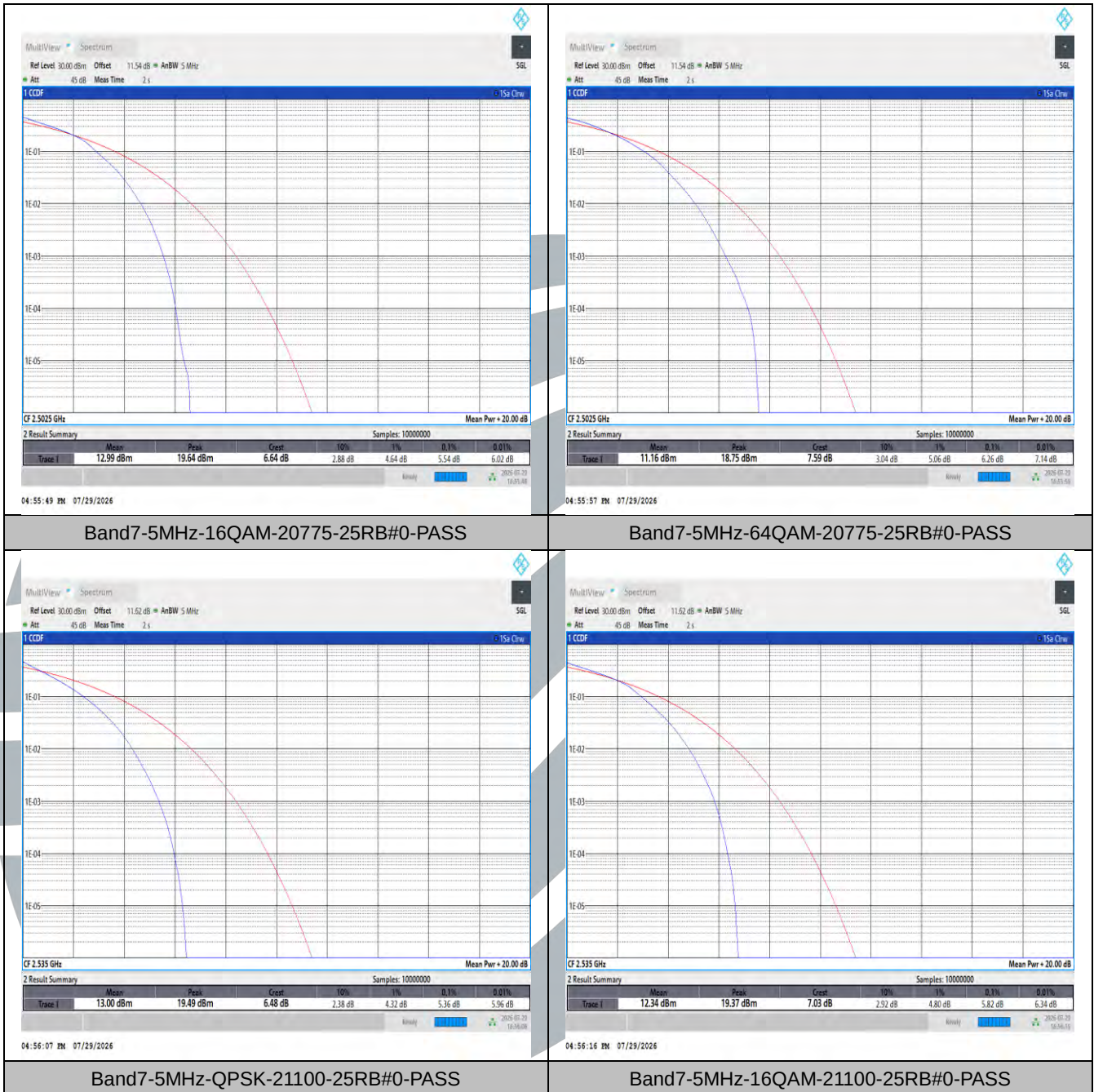
D.1 PEAK-TO-AVERAGE RATIO(CCDF)

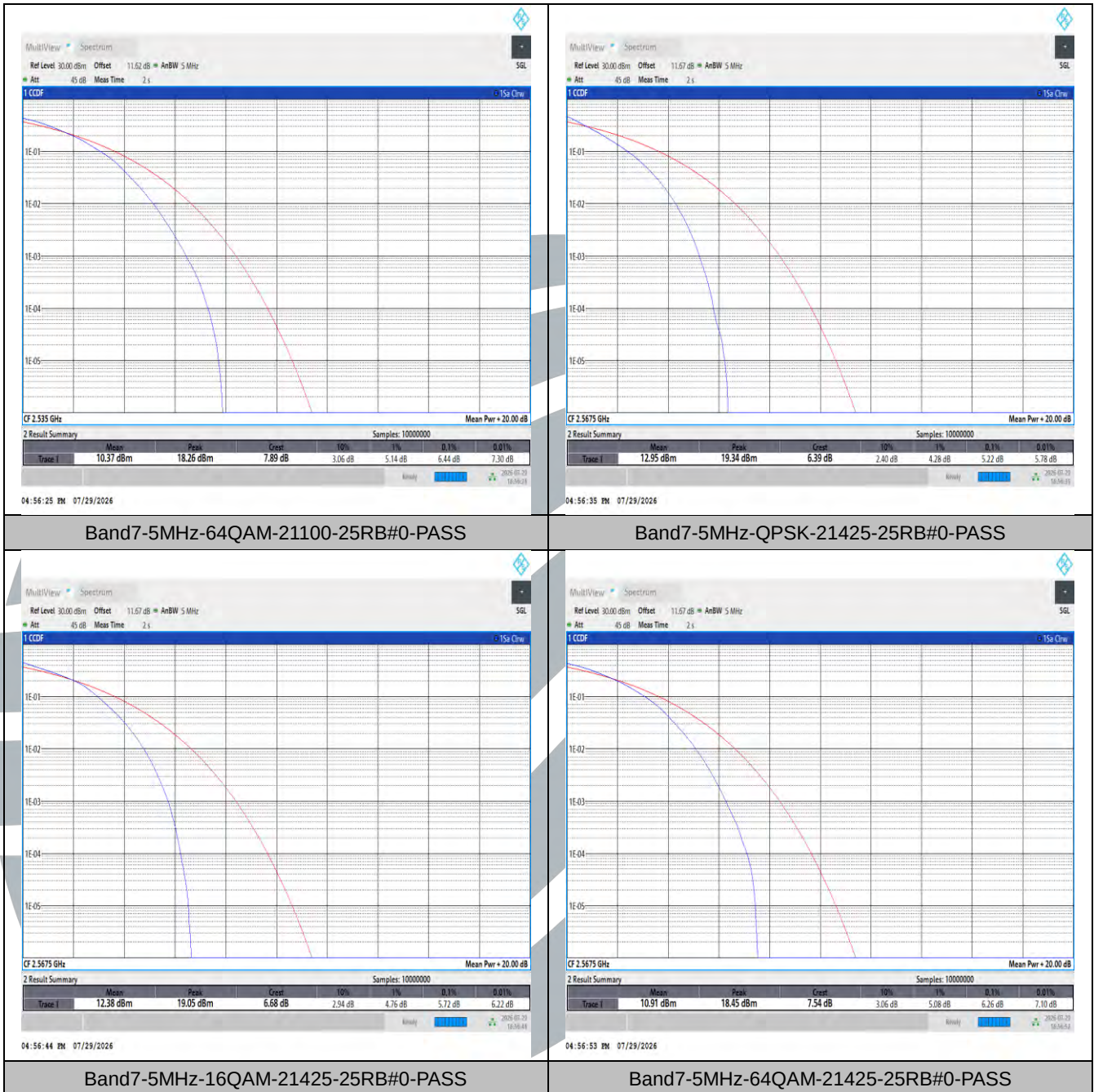
Test Result

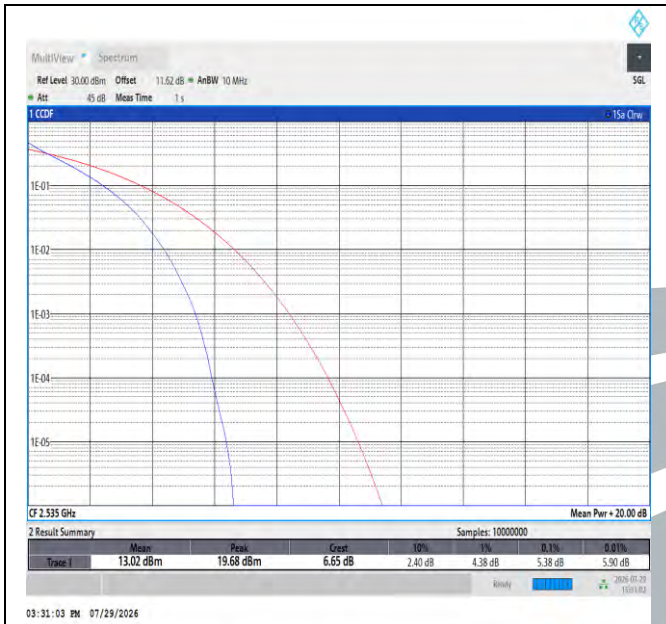
Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band7	10MHz	QPSK	20800	50RB#0	5.06	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.72	13	PASS
Band7	10MHz	64QAM	20800	50RB#0	6.18	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.04	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.54	13	PASS
Band7	5MHz	64QAM	20775	25RB#0	6.26	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.36	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.82	13	PASS
Band7	5MHz	64QAM	21100	25RB#0	6.44	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.22	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.72	13	PASS
Band7	5MHz	64QAM	21425	25RB#0	6.26	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.38	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.00	13	PASS
Band7	10MHz	64QAM	21100	50RB#0	6.44	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.16	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.76	13	PASS
Band7	10MHz	64QAM	21400	50RB#0	6.24	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.88	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.44	13	PASS
Band7	15MHz	64QAM	20825	75RB#0	6.16	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.14	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.78	13	PASS
Band7	15MHz	64QAM	21100	75RB#0	6.42	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.86	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.54	13	PASS
Band7	15MHz	64QAM	21375	75RB#0	6.10	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.08	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.68	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.24	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.26	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.94	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.42	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.64	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.24	13	PASS

Test Graphs

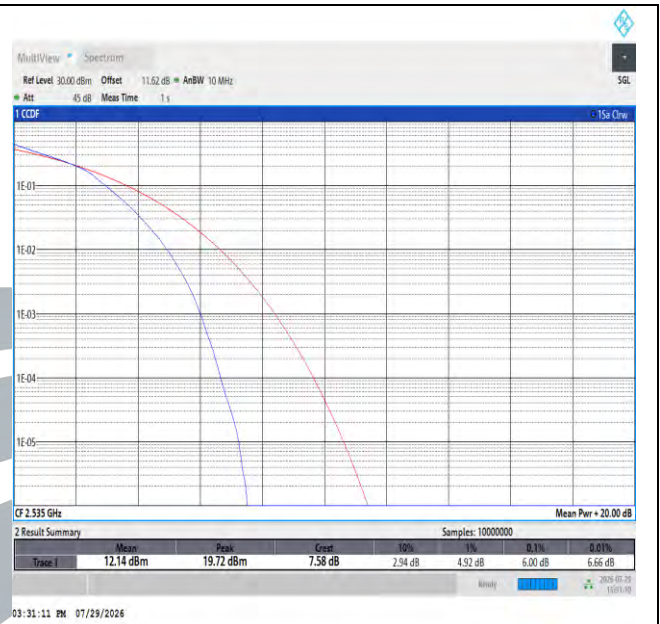




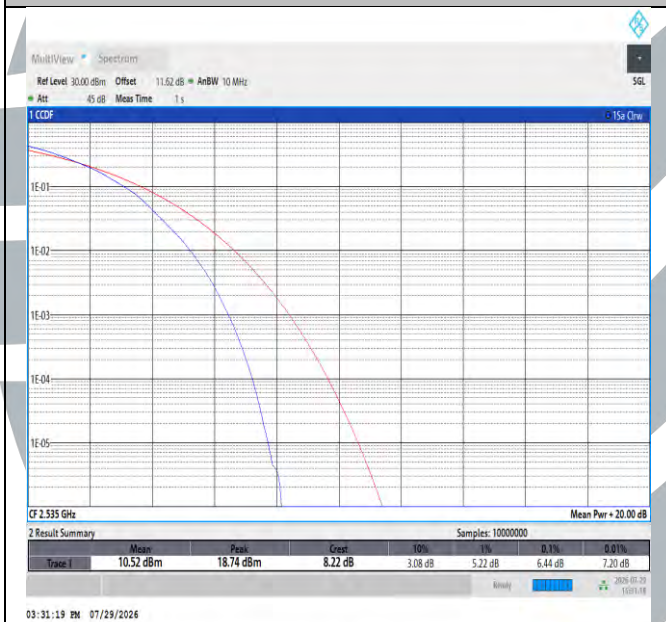




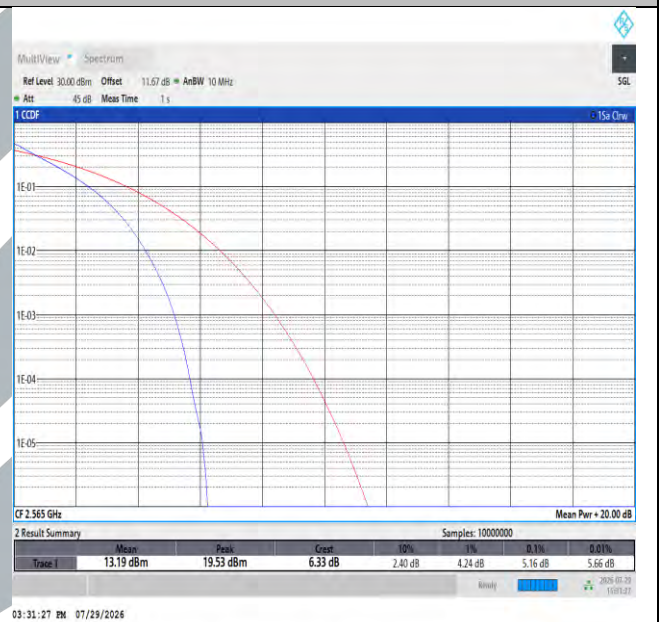
Band7-10MHz-QPSK-21100-50RB#0-PASS



Band7-10MHz-16QAM-21100-50RB#0-PASS



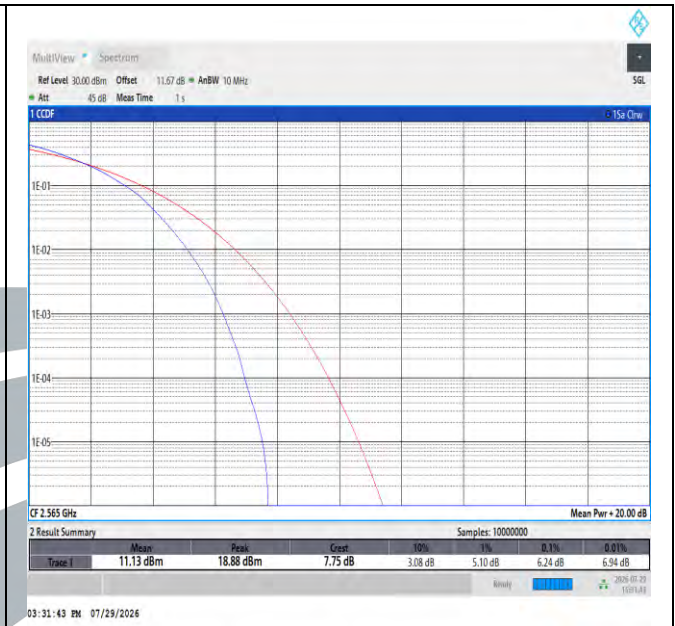
Band7-10MHz-64QAM-21100-50RB#0-PASS



Band7-10MHz-QPSK-21400-50RB#0-PASS



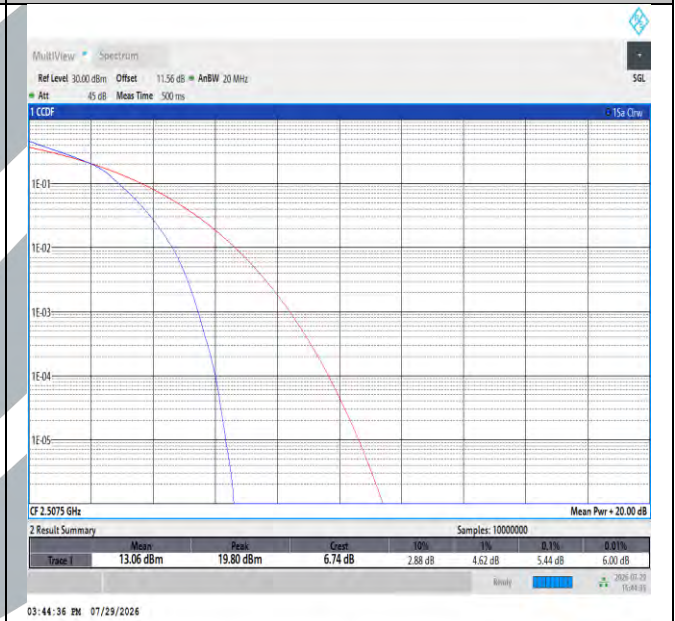
Band7-10MHz-16QAM-21400-50RB#0-PASS



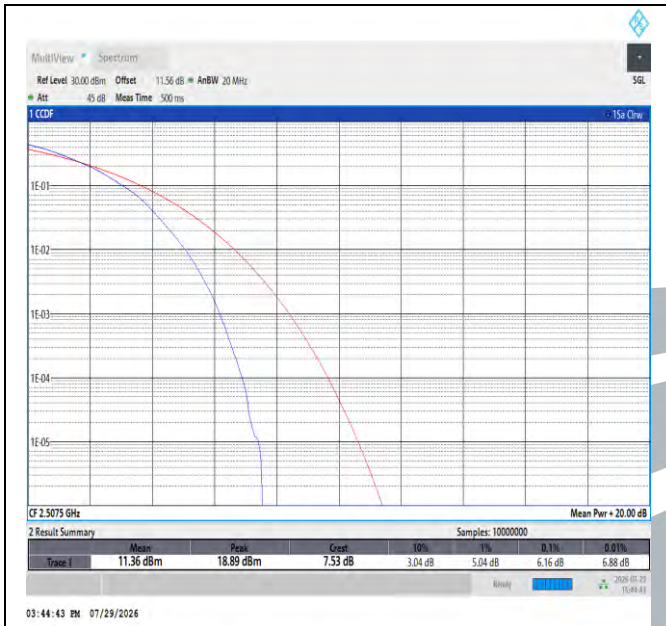
Band7-10MHz-64QAM-21400-50RB#0-PASS



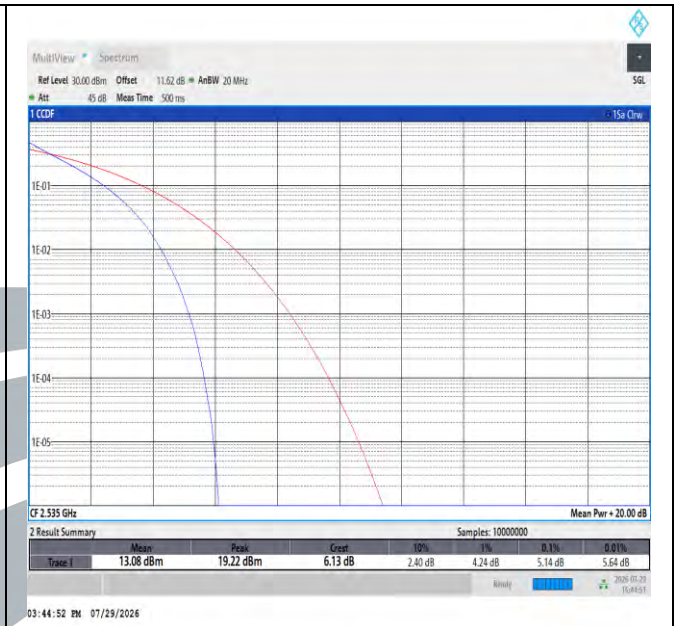
Band7-15MHz-QPSK-20825-75RB#0-PASS



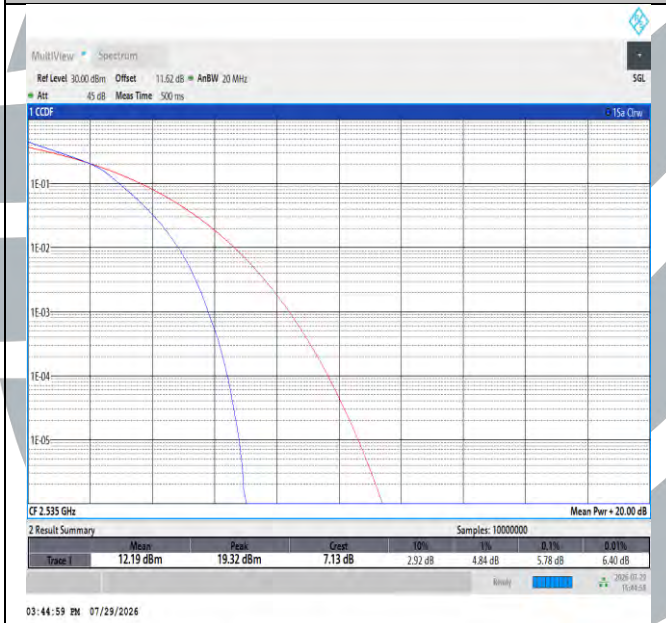
Band7-15MHz-16QAM-20825-75RB#0-PASS



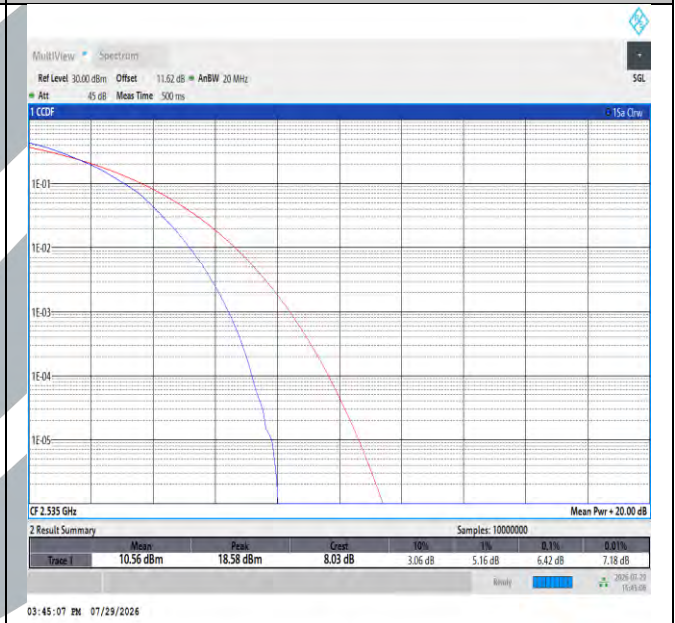
Band7-15MHz-64QAM-20825-75RB#0-PASS



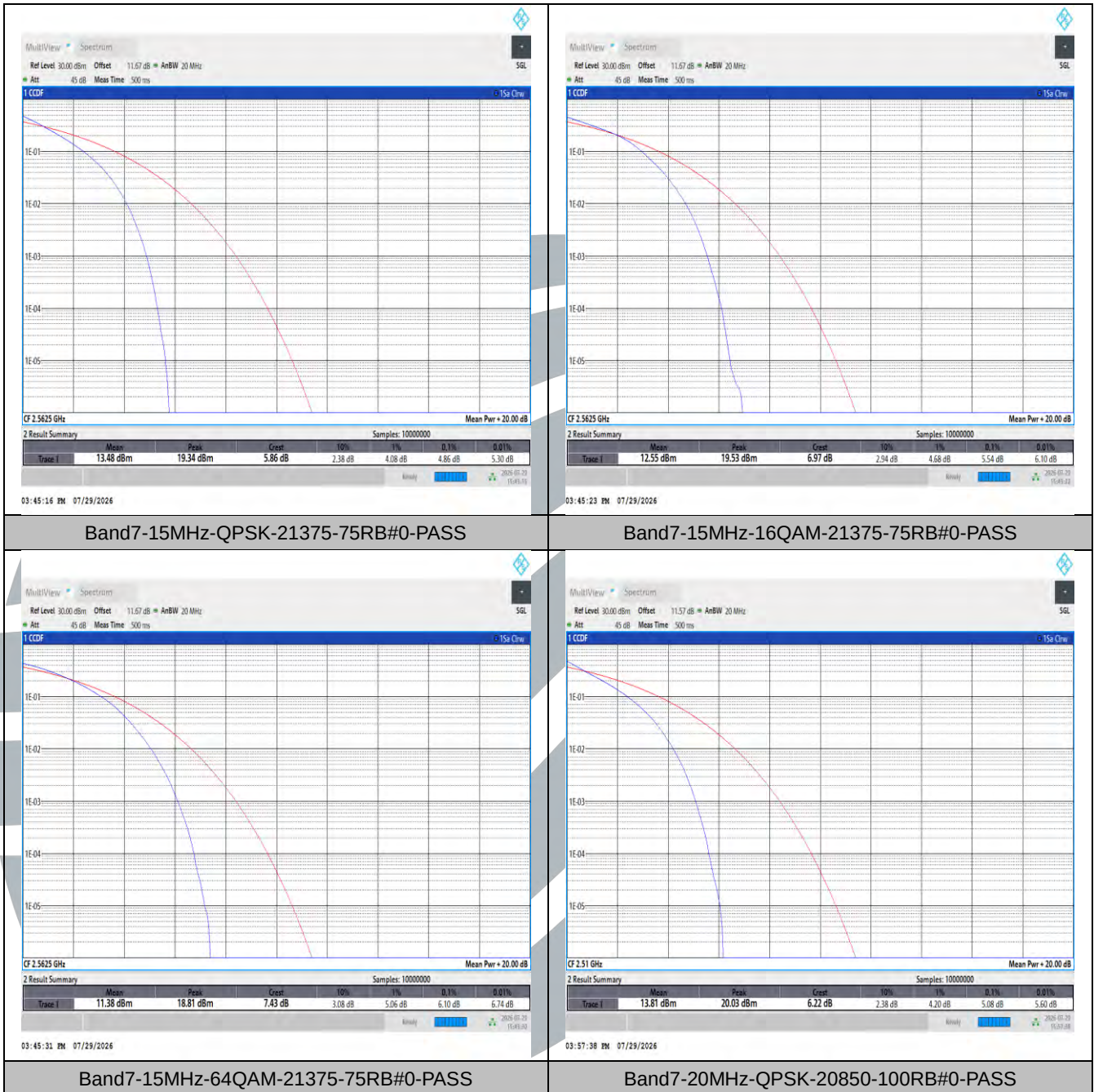
Band7-15MHz-QPSK-21100-75RB#0-PASS

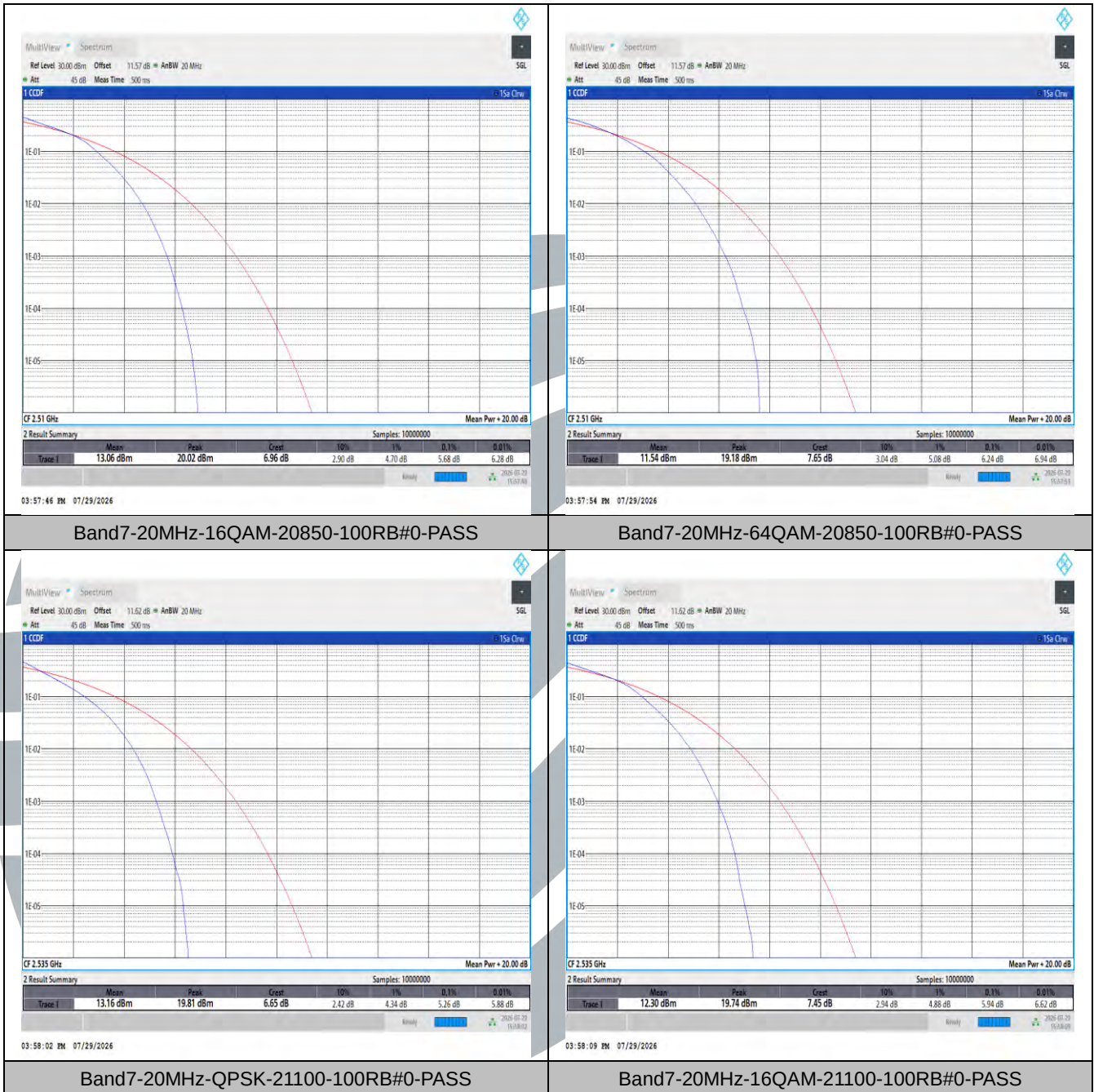


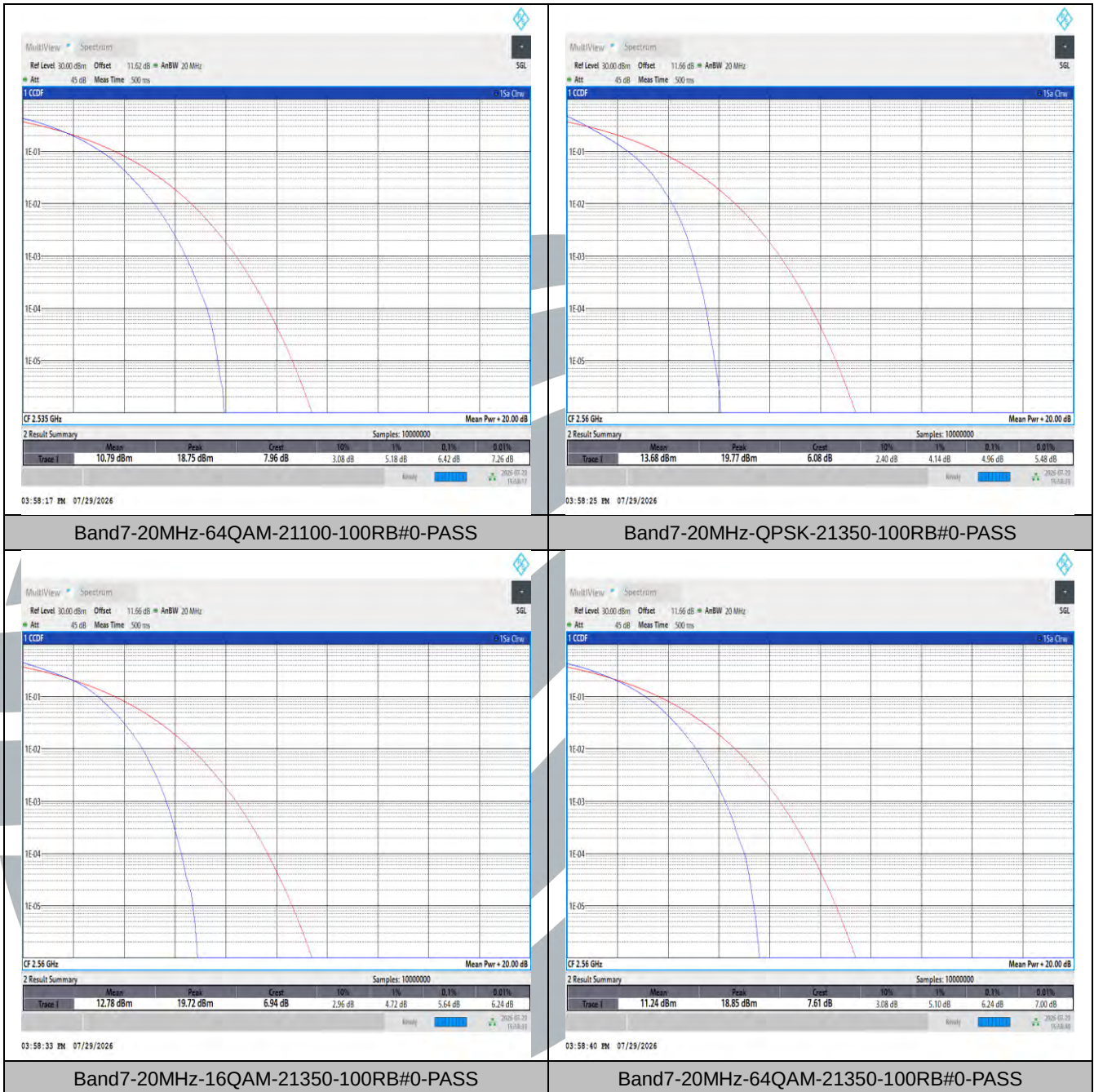
Band7-15MHz-16QAM-21100-75RB#0-PASS



Band7-15MHz-64QAM-21100-75RB#0-PASS





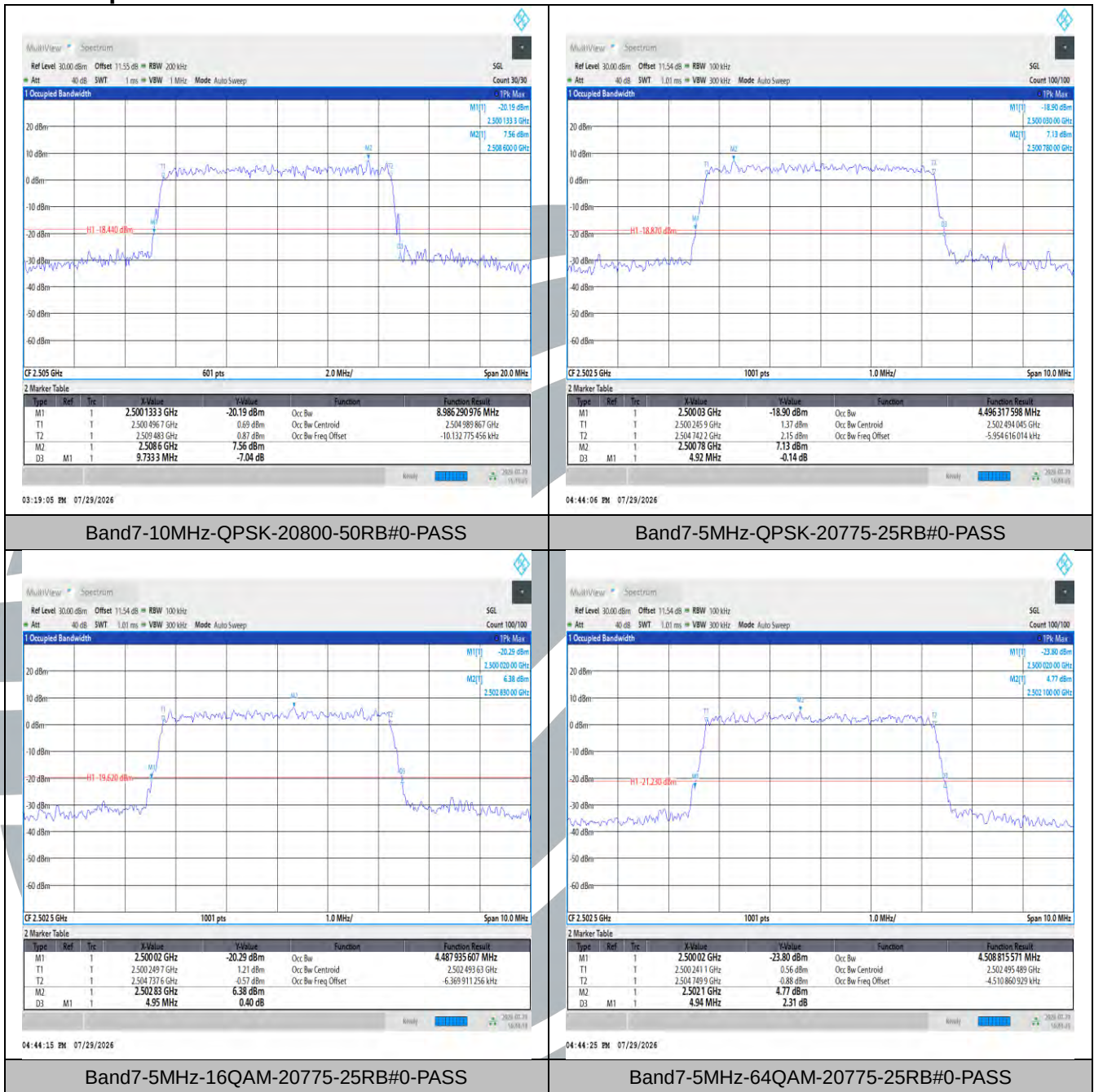


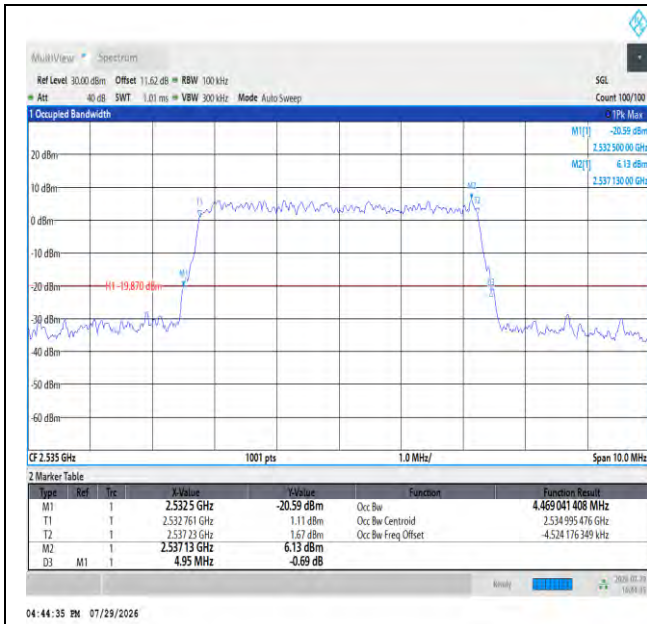
D.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.496	4.92	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.488	4.95	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.509	4.94	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.469	4.95	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.482	4.95	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.505	4.87	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.484	4.90	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.482	4.88	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.478	4.98	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.986	9.73	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.947	9.57	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.993	9.93	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.983	9.73	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.981	9.67	PASS
Band7	10MHz	64QAM	21100	50RB#0	9.027	9.63	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.975	9.80	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.933	9.73	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.965	9.63	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.482	14.80	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.476	15.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.437	14.65	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.465	14.95	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.501	14.95	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.462	14.80	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.419	14.55	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.411	14.50	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.419	14.60	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.942	19.20	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.876	19.40	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.924	19.07	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.964	19.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.943	19.33	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.947	19.07	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.27	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.874	19.80	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.917	18.93	PASS

Test Graphs

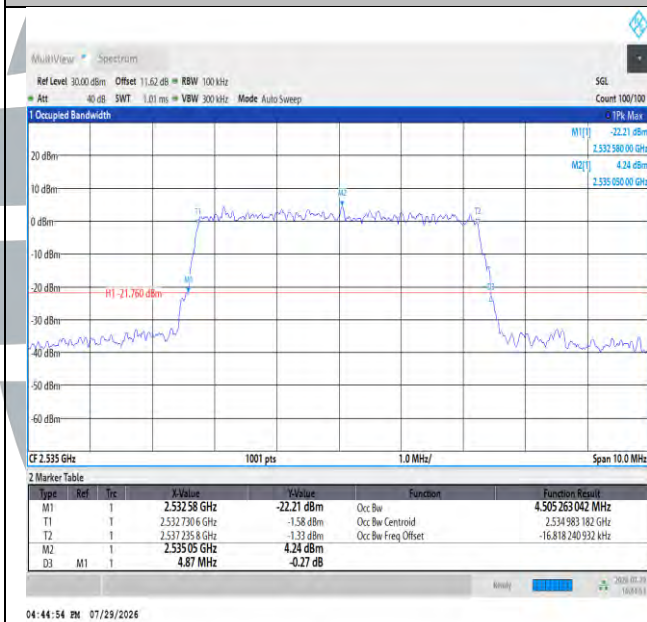




Band7-5MHz-QPSK-21100-25RB#0-PASS



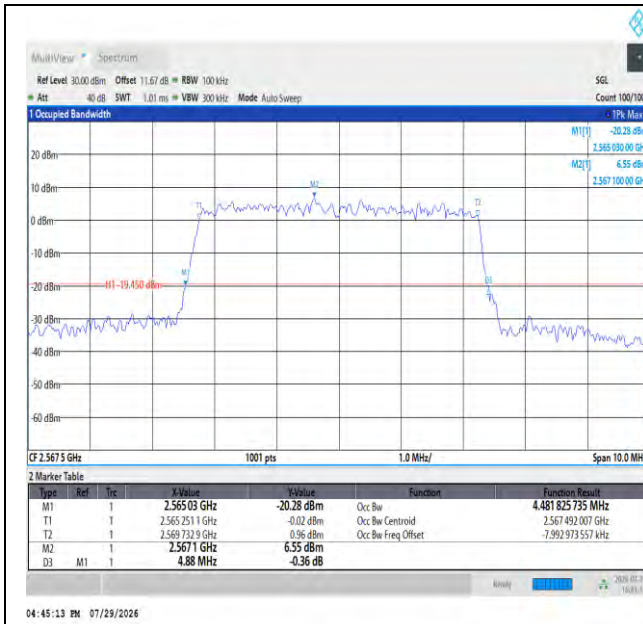
Band7-5MHz-16QAM-21100-25RB#0-PASS



Band7-5MHz-64QAM-21100-25RB#0-PASS



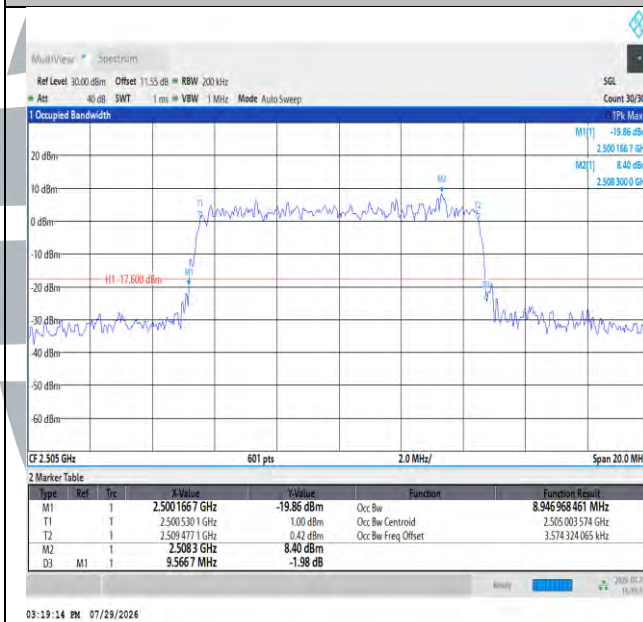
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Band7-5MHz-16QAM-21425-25RB#0-PASS



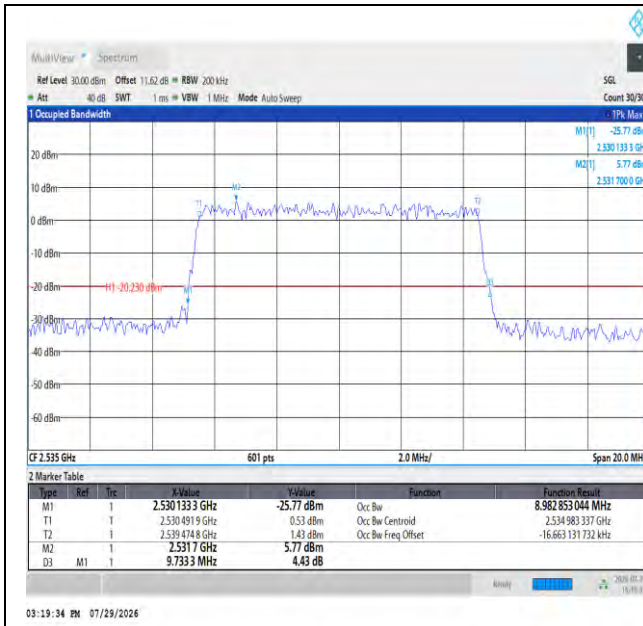
Band7-5MHz-64QAM-21425-25RB#0-PASS



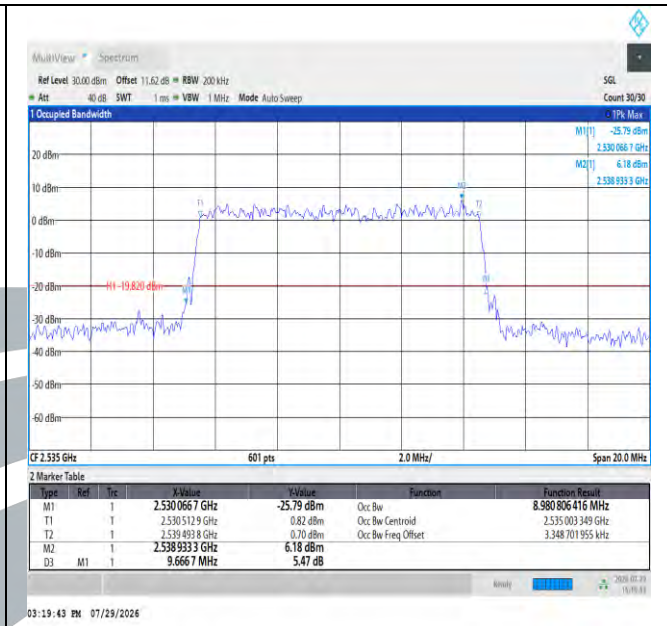
Band7-10MHz-16QAM-20800-50RB#0-PASS



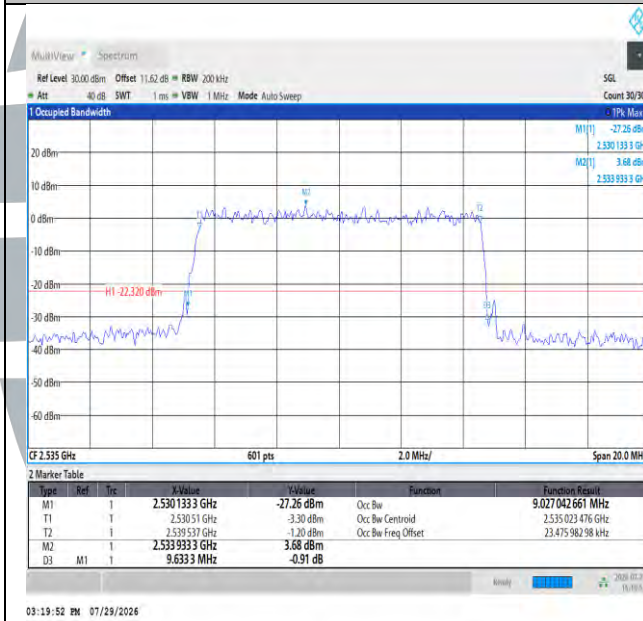
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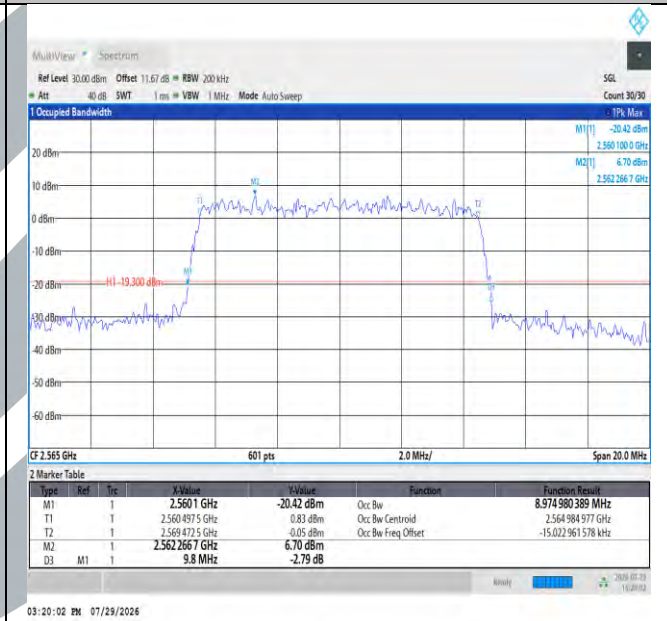
Band7-10MHz-QPSK-21100-50RB#0-PASS



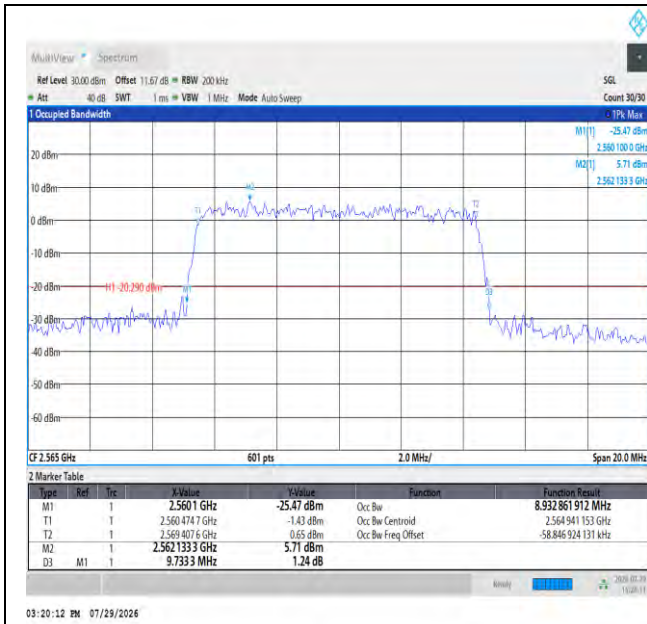
Band7-10MHz-16QAM-21100-50RB#0-PASS



Band7-10MHz-64QAM-21100-50RB#0-PASS



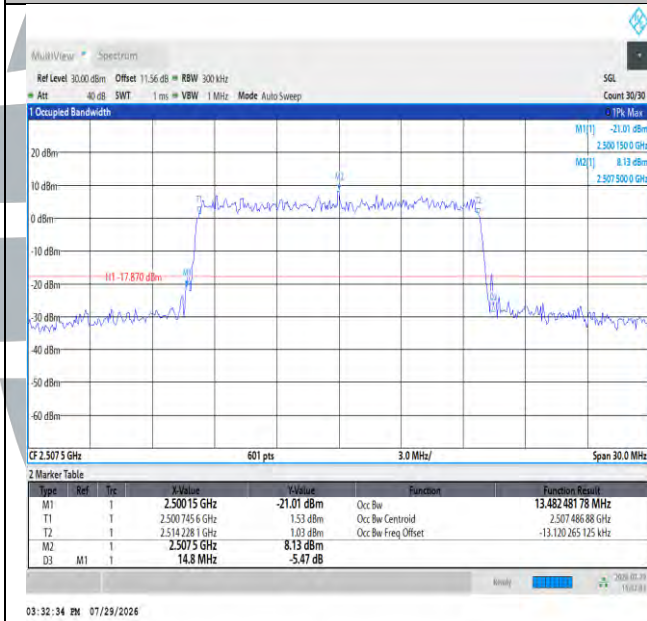
Band7-10MHz-QPSK-21400-50RB#0-PASS



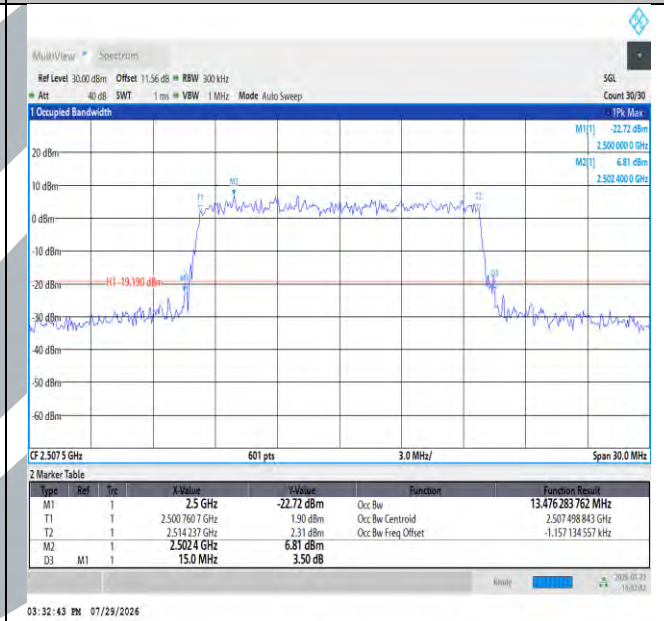
Band7-10MHz-16QAM-21400-50RB#0-PASS



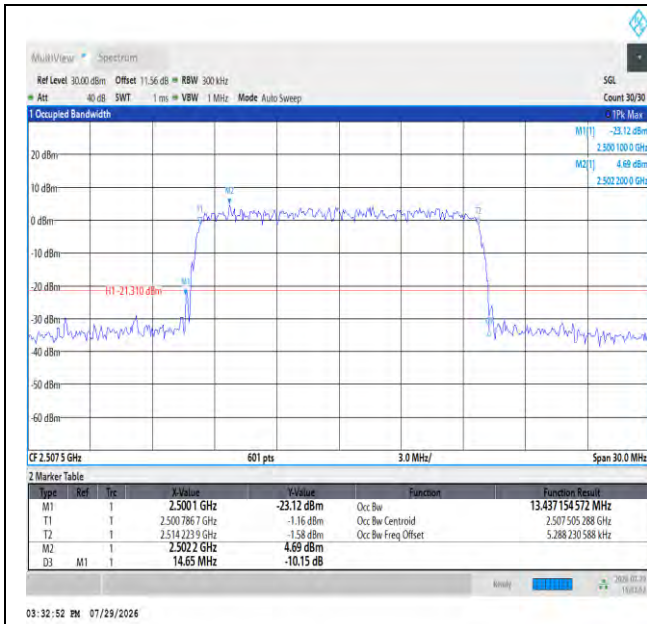
Band7-10MHz-64QAM-21400-50RB#0-PASS



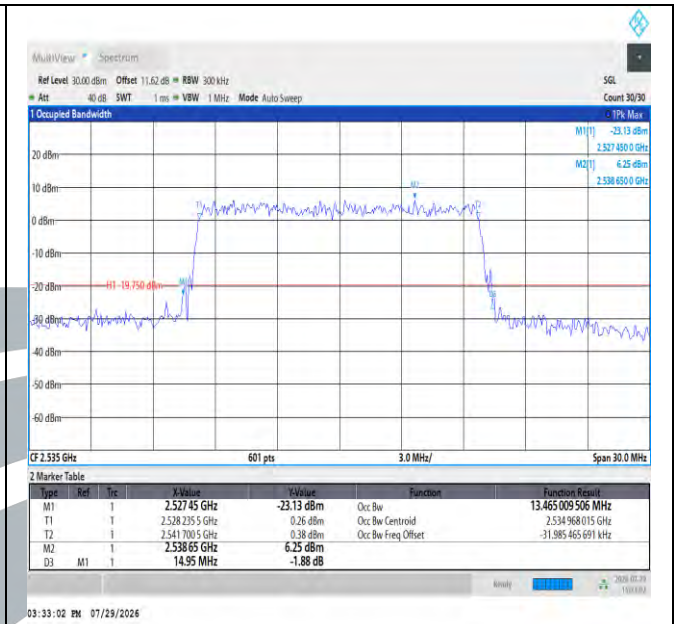
Band7-15MHz-QPSK-20825-75RB#0-PASS



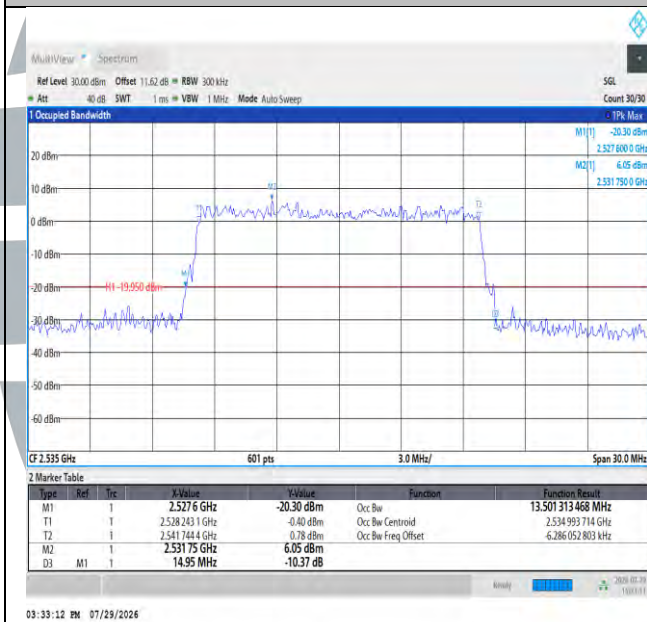
Band7-15MHz-16QAM-20825-75RB#0-PASS



Band7-15MHz-64QAM-20825-75RB#0-PASS



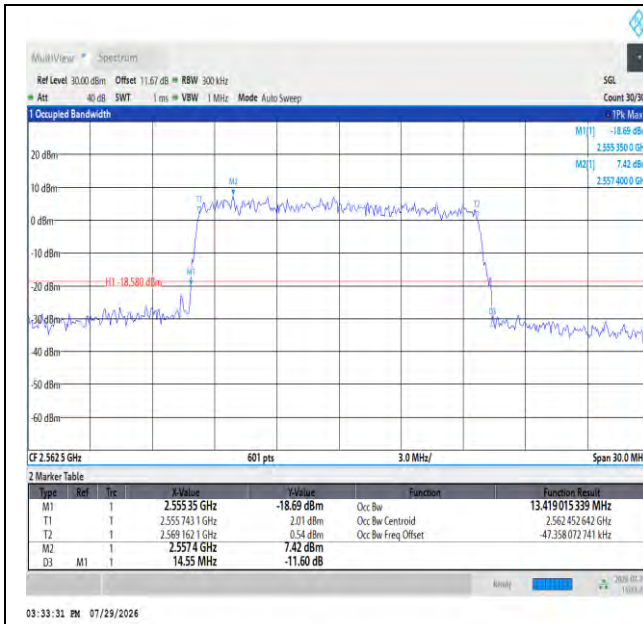
Band7-15MHz-QPSK-21100-75RB#0-PASS



Band7-15MHz-16QAM-21100-75RB#0-PASS



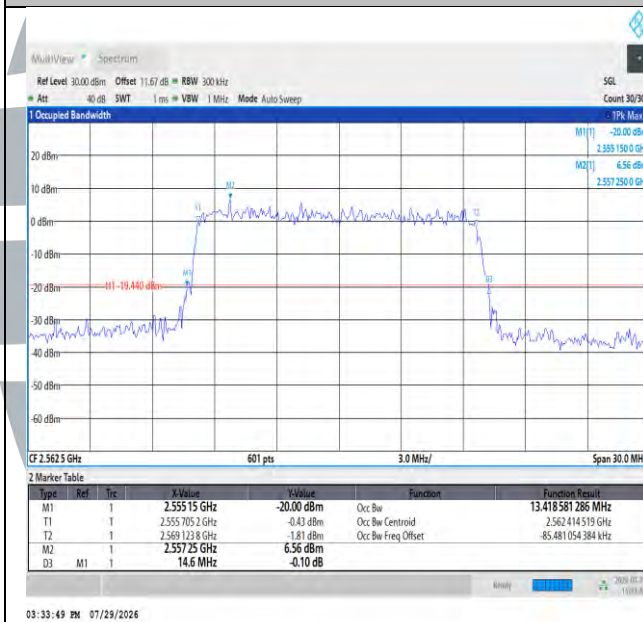
Band7-15MHz-64QAM-21100-75RB#0-PASS



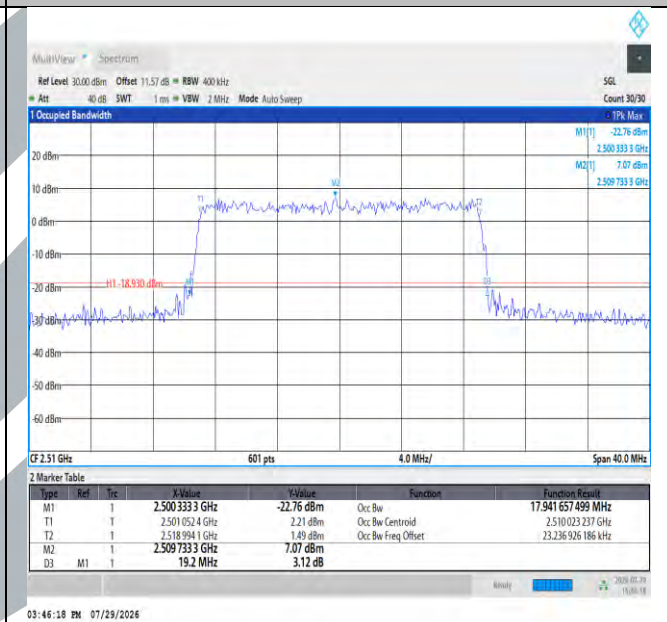
Band7-15MHz-QPSK-21375-75RB#0-PASS



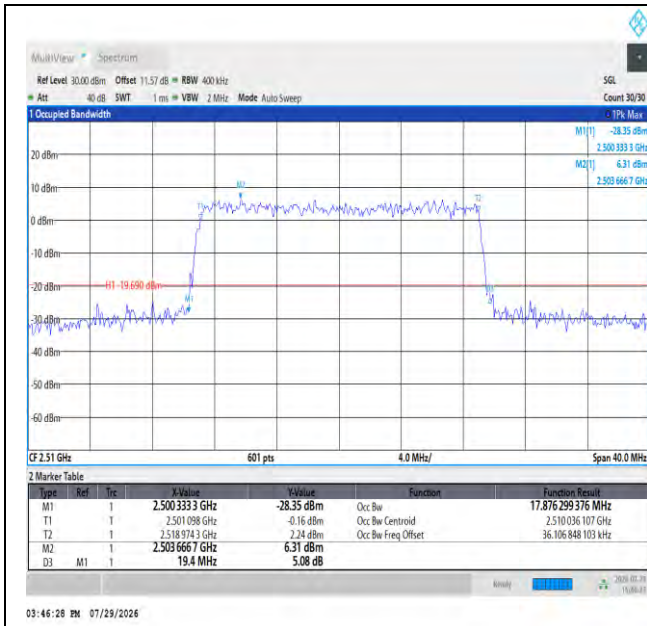
Band7-15MHz-16QAM-21375-75RB#0-PASS



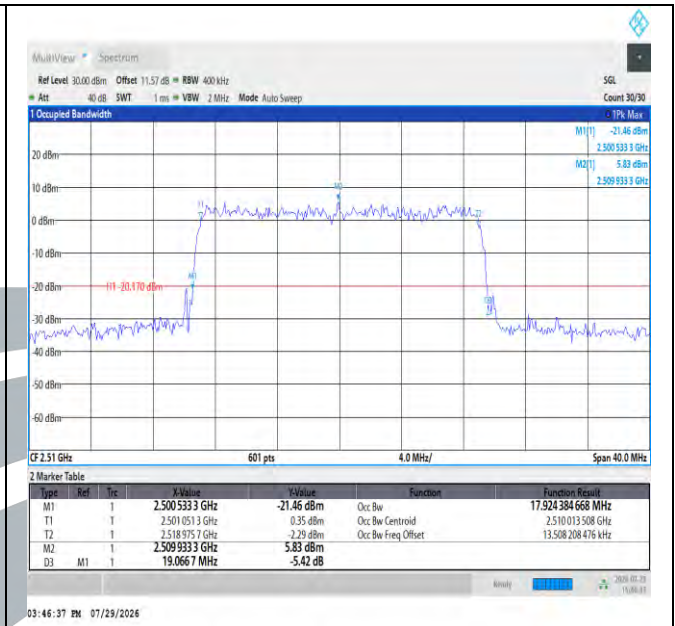
Band7-15MHz-64QAM-21375-75RB#0-PASS



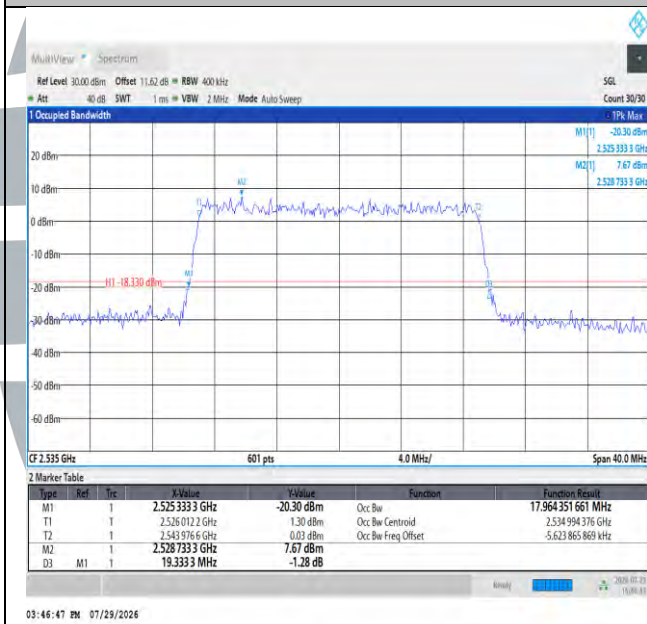
Band7-20MHz-QPSK-20850-100RB#0-PASS



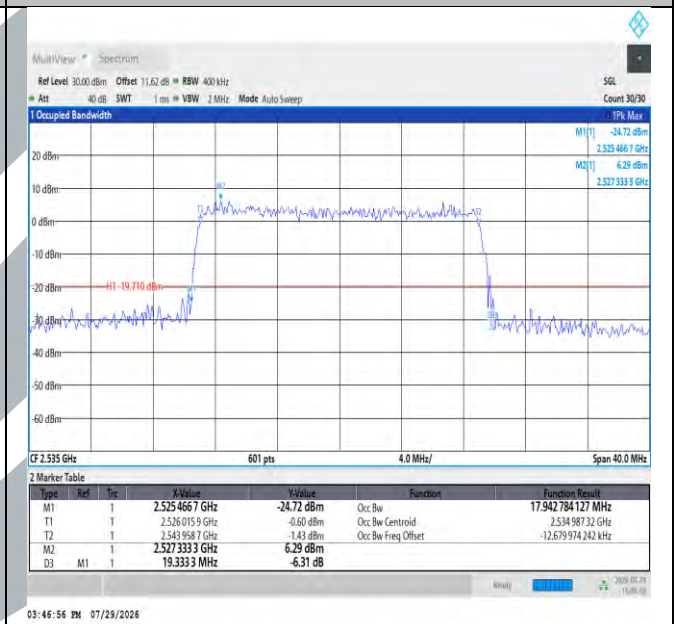
Band7-20MHz-16QAM-20850-100RB#0-PASS



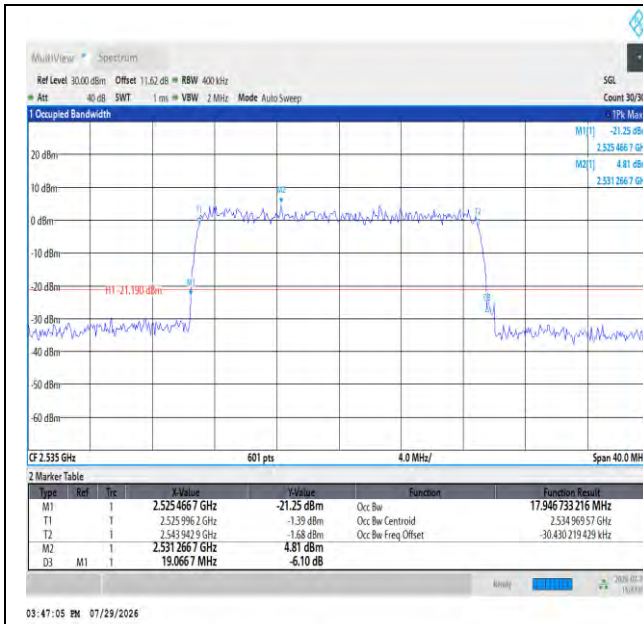
Band7-20MHz-64QAM-20850-100RB#0-PASS



Band7-20MHz-QPSK-21100-100RB#0-PASS



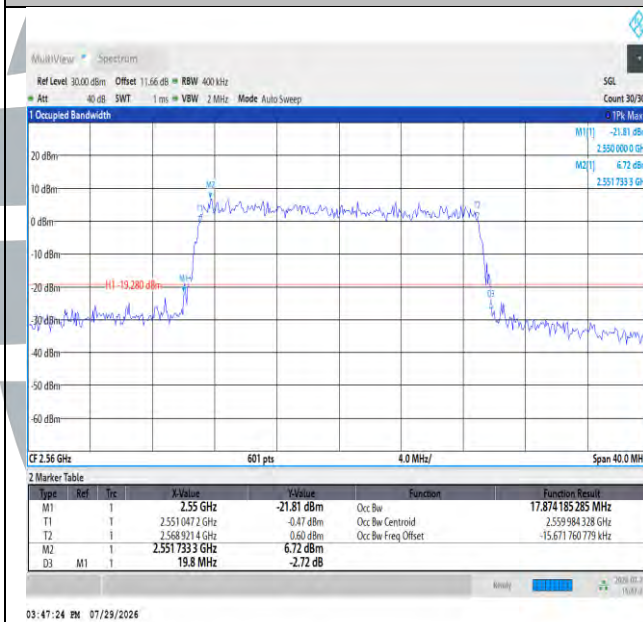
Band7-20MHz-16QAM-21100-100RB#0-PASS



Band7-20MHz-64QAM-21100-100RB#0-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS



Band7-20MHz-16QAM-21350-100RB#0-PASS



Band7-20MHz-64QAM-21350-100RB#0-PASS

D.3 BAND EDGE

Test Result

Band	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-24.04	PASS
Band7	5MHz	16QAM	20775	1RB#0	-22.83	PASS
Band7	5MHz	64QAM	20775	1RB#0	-27.07	PASS
Band7	5MHz	QPSK	20775	1RB#24	-42.85	PASS
Band7	5MHz	16QAM	20775	1RB#24	-42.89	PASS
Band7	5MHz	64QAM	20775	1RB#24	-43.21	PASS
Band7	5MHz	QPSK	20775	25RB#0	-42.98	PASS
Band7	5MHz	16QAM	20775	25RB#0	-43.04	PASS
Band7	5MHz	64QAM	20775	25RB#0	-42.74	PASS
Band7	5MHz	QPSK	21425	1RB#0	-42.82	PASS
Band7	5MHz	16QAM	21425	1RB#0	-42.82	PASS
Band7	5MHz	64QAM	21425	1RB#0	-42.92	PASS
Band7	5MHz	QPSK	21425	1RB#24	-25.77	PASS
Band7	10MHz	QPSK	20800	1RB#0	-40.44	PASS
Band7	10MHz	16QAM	20800	1RB#0	-40.38	PASS
Band7	10MHz	64QAM	20800	1RB#0	-40.49	PASS
Band7	10MHz	QPSK	20800	1RB#49	-40.43	PASS
Band7	5MHz	16QAM	21425	1RB#24	-24.88	PASS
Band7	5MHz	64QAM	21425	1RB#24	-27.51	PASS
Band7	5MHz	QPSK	21425	25RB#0	-42.88	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.57	PASS
Band7	5MHz	64QAM	21425	25RB#0	-42.79	PASS
Band7	10MHz	16QAM	20800	1RB#49	-40.29	PASS
Band7	10MHz	64QAM	20800	1RB#49	-40.28	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.17	PASS
Band7	10MHz	16QAM	20800	50RB#0	-40.07	PASS
Band7	10MHz	64QAM	20800	50RB#0	-40.29	PASS
Band7	10MHz	QPSK	21400	1RB#0	-40.06	PASS
Band7	10MHz	16QAM	21400	1RB#0	-40.14	PASS
Band7	10MHz	64QAM	21400	1RB#0	-40.01	PASS
Band7	10MHz	QPSK	21400	1RB#49	-40.15	PASS
Band7	10MHz	16QAM	21400	1RB#49	-40.05	PASS
Band7	10MHz	64QAM	21400	1RB#49	-40.13	PASS
Band7	10MHz	QPSK	21400	50RB#0	-39.95	PASS
Band7	10MHz	16QAM	21400	50RB#0	-40.09	PASS
Band7	10MHz	64QAM	21400	50RB#0	-40.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	-38.89	PASS
Band7	15MHz	16QAM	20825	1RB#0	-38.75	PASS