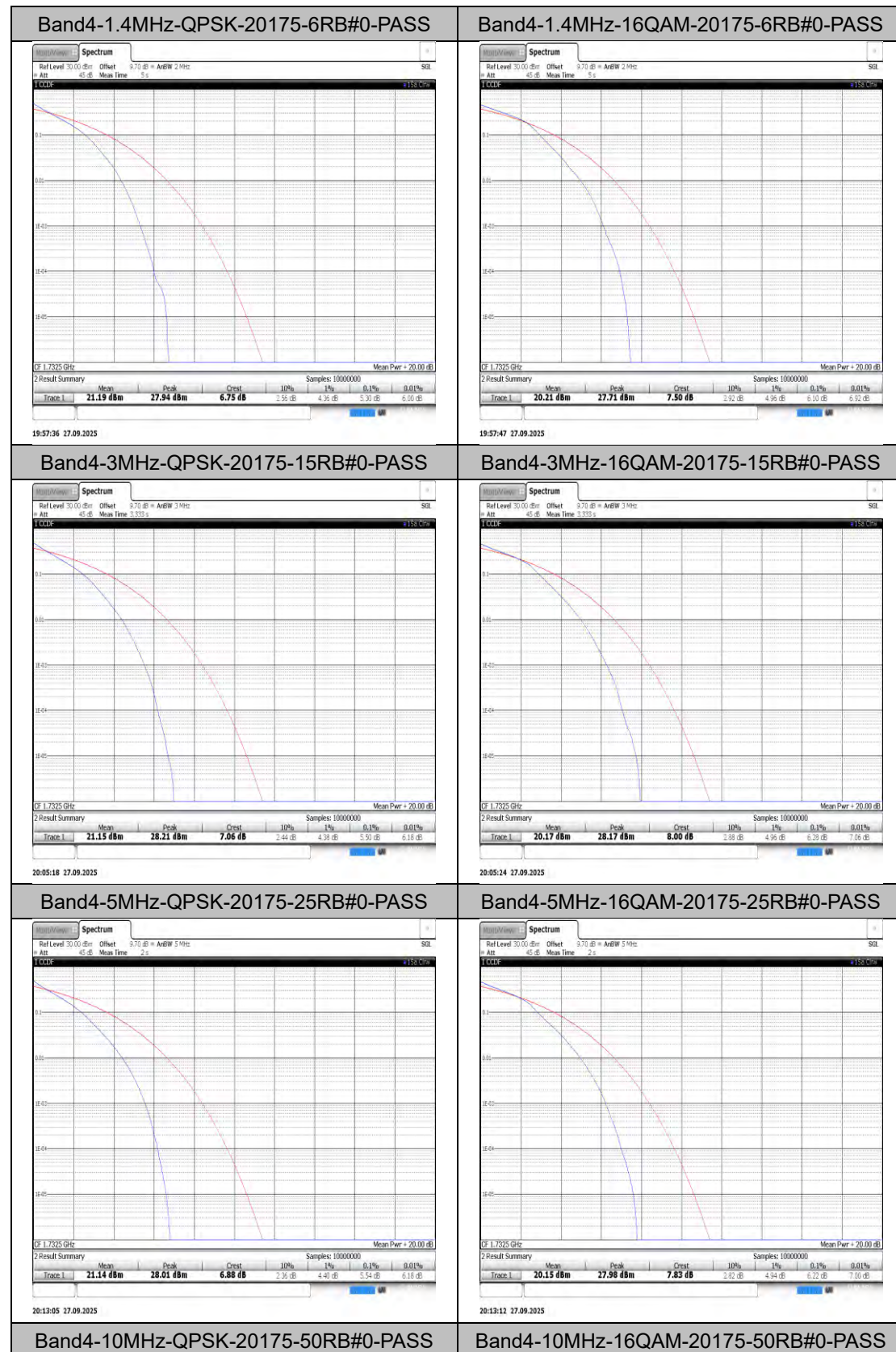


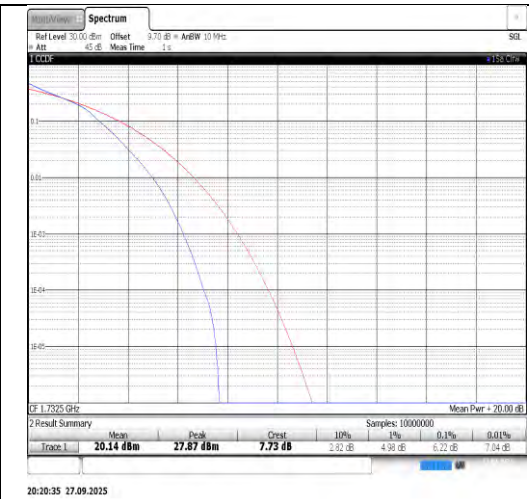
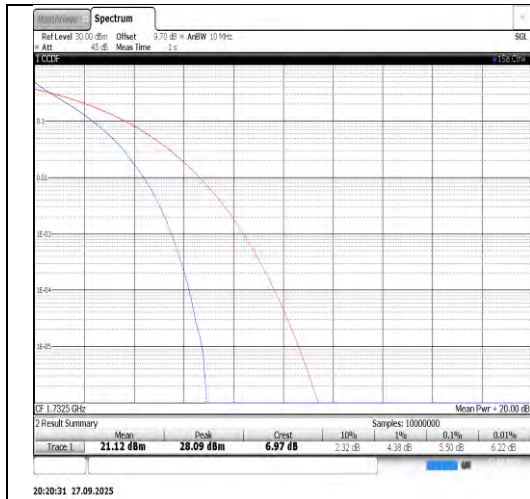
Appendix A: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	5.30	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.10	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.50	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.28	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.54	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.22	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.50	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.22	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	5.26	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.64	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	6.12	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.22	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.48	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.22	13	PASS

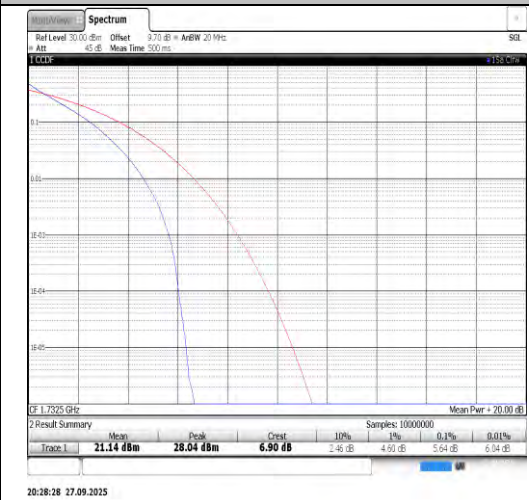
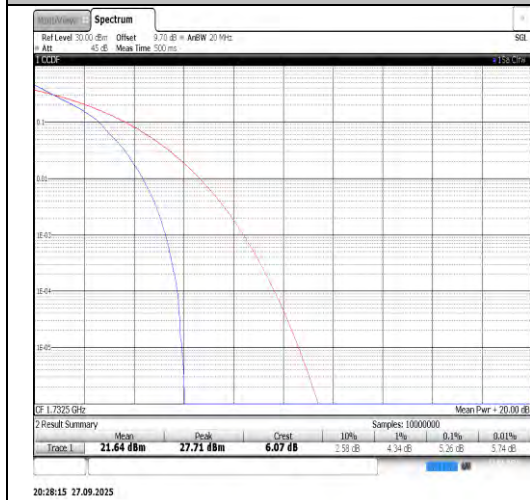
Test Graphs





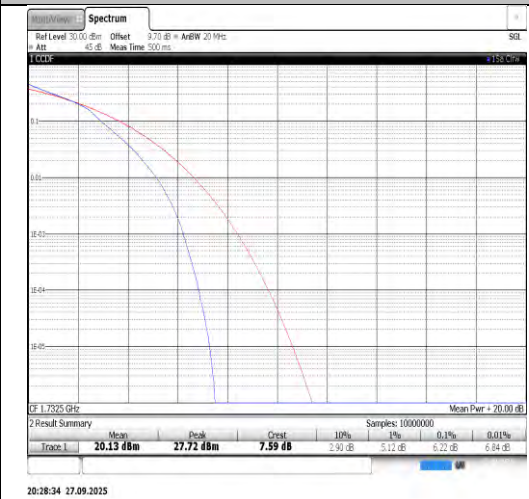
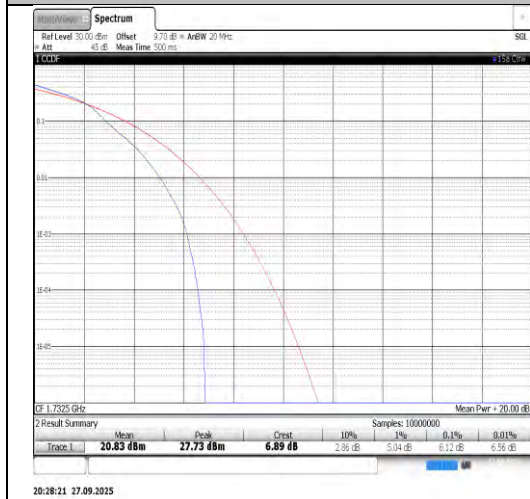
Band4-15MHz-QPSK-20175-1RB#0-PASS

Band4-15MHz-QPSK-20175-75RB#0-PASS



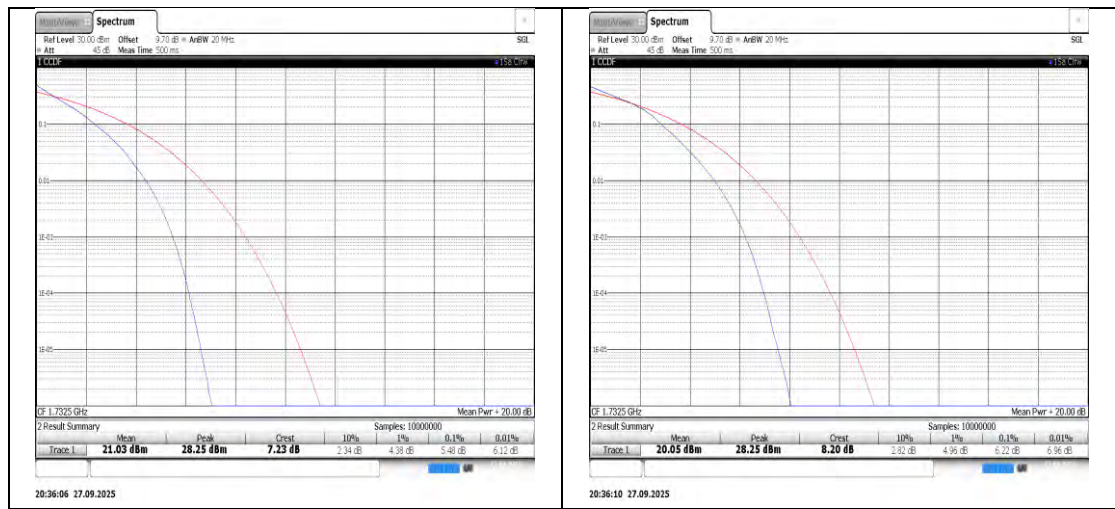
Band4-15MHz-16QAM-20175-1RB#0-PASS

Band4-15MHz-16QAM-20175-75RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS

Band4-20MHz-16QAM-20175-100RB#0-PASS



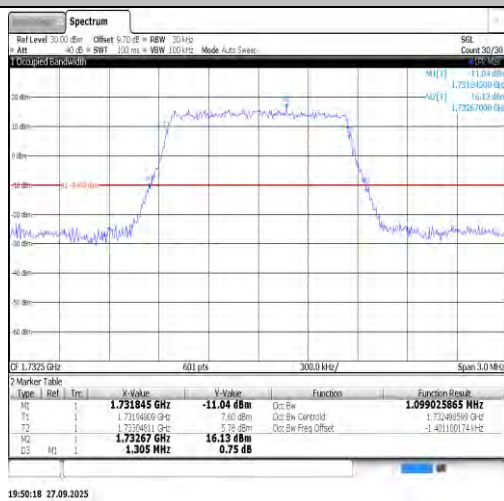
Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

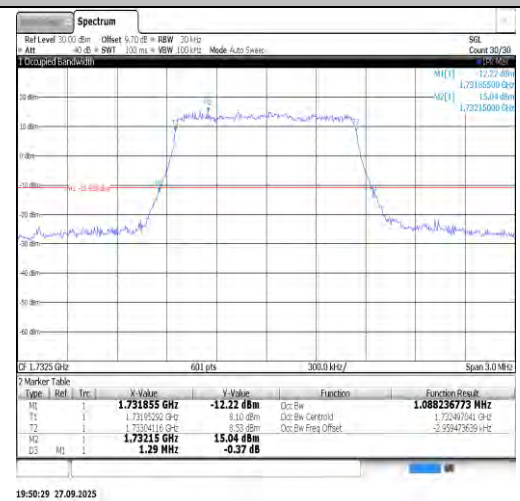
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.099	1.31	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.088	1.29	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.689	2.92	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.678	2.91	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.494	4.96	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.48	4.93	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.973	9.90	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.982	9.80	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.47	14.85	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.479	14.80	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.039	19.73	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.027	19.67	PASS

Test Graphs

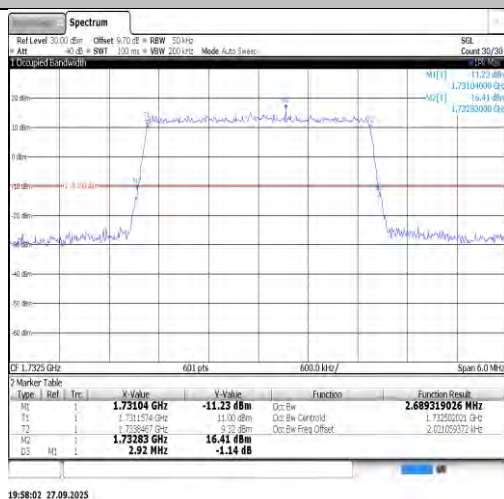
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



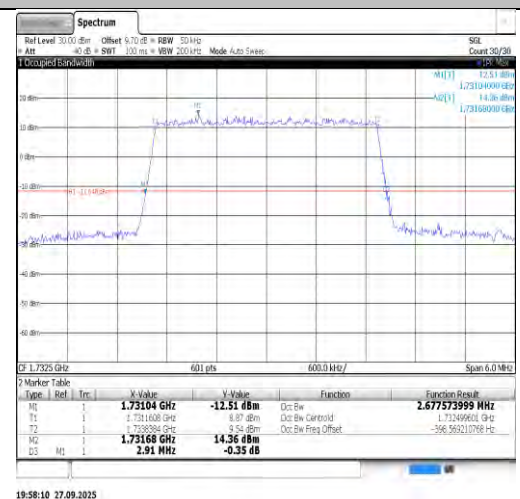
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



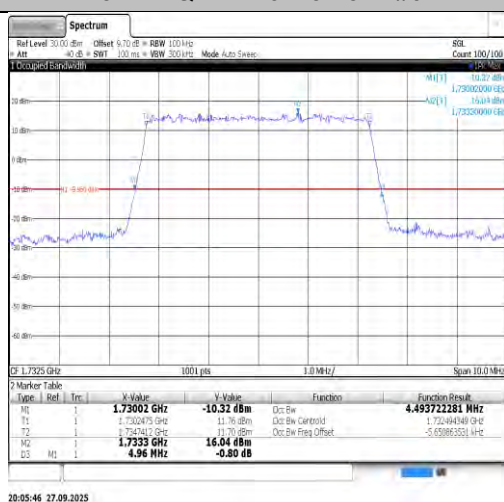
Band4-3MHz-QPSK-20175-15RB#0-PASS



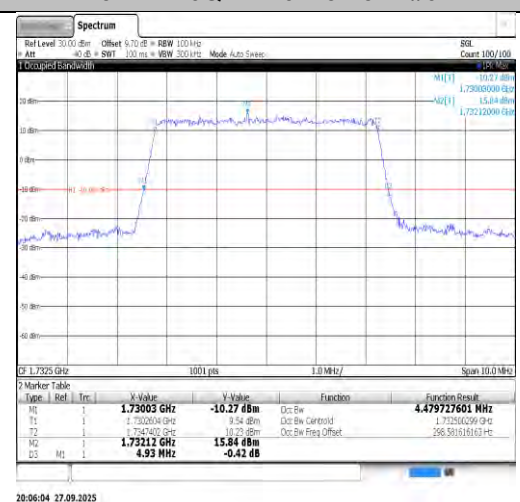
Band4-3MHz-16QAM-20175-15RB#0-PASS



Band4-5MHz-QPSK-20175-25RB#0-PASS

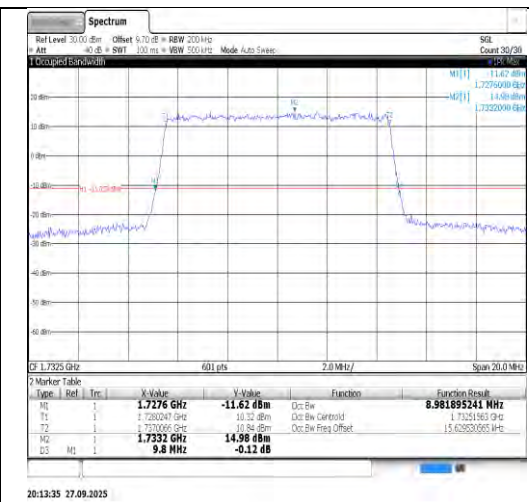
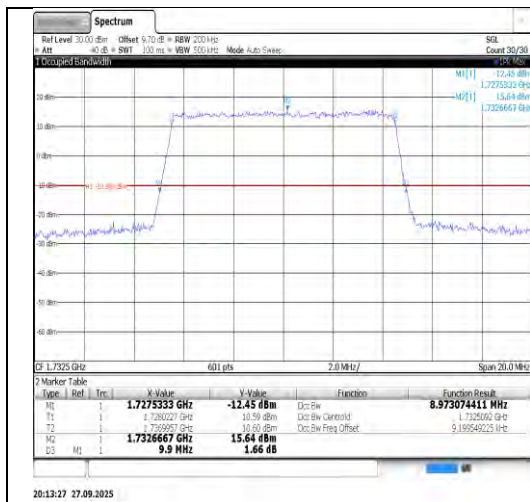


Band4-5MHz-16QAM-20175-25RB#0-PASS



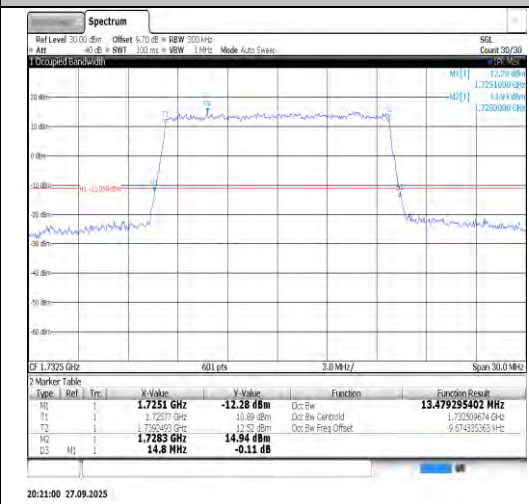
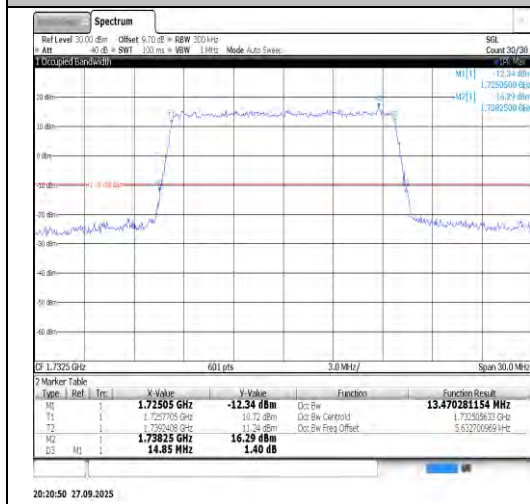
Band4-10MHz-QPSK-20175-50RB#0-PASS

Band4-10MHz-16QAM-20175-50RB#0-PASS



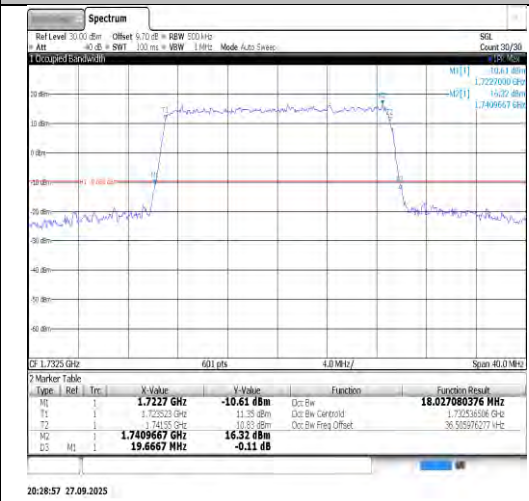
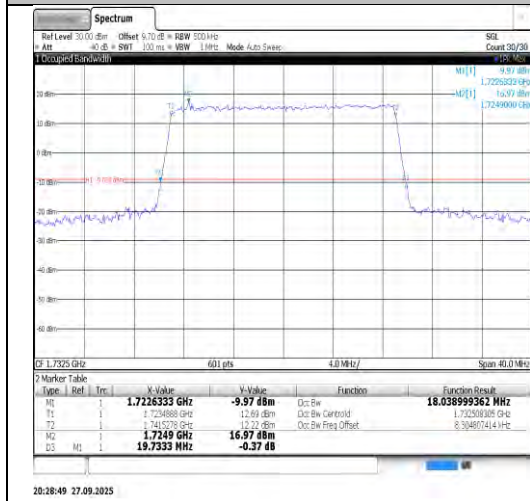
Band4-15MHz-QPSK-20175-75RB#0-PASS

Band4-15MHz-16QAM-20175-75RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS

Band4-20MHz-16QAM-20175-100RB#0-PASS



Appendix C: Band Edge

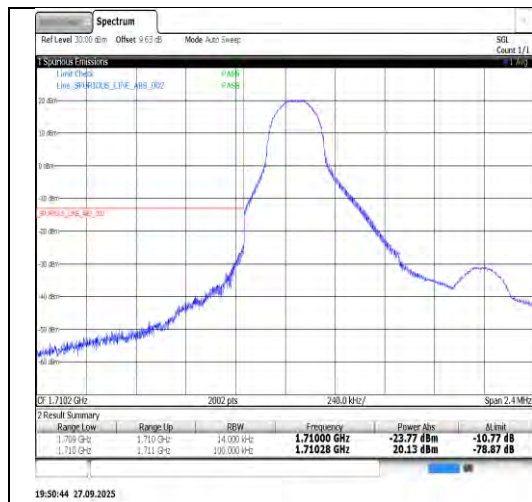
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.77	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-37.92	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-30.73	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-36.77	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-24.23	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.15	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-24.76	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-39.81	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-32.20	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-39.47	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-25.56	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.14	PASS
Band4	3MHz	QPSK	19965	1RB#0	-20.95	PASS
Band4	3MHz	QPSK	19965	1RB#14	-47.22	PASS
Band4	3MHz	QPSK	19965	15RB#0	-32.63	PASS
Band4	3MHz	QPSK	20385	1RB#0	-47.21	PASS
Band4	3MHz	QPSK	20385	1RB#14	-20.67	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.69	PASS
Band4	3MHz	16QAM	19965	1RB#0	-22.57	PASS
Band4	3MHz	16QAM	19965	1RB#14	-48.08	PASS
Band4	3MHz	16QAM	19965	15RB#0	-33.73	PASS
Band4	3MHz	16QAM	20385	1RB#0	-48.93	PASS
Band4	3MHz	16QAM	20385	1RB#14	-21.14	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.46	PASS
Band4	5MHz	QPSK	19975	1RB#0	-20.28	PASS
Band4	5MHz	QPSK	19975	1RB#24	-49.56	PASS
Band4	5MHz	QPSK	19975	25RB#0	-31.92	PASS
Band4	5MHz	QPSK	20375	1RB#0	-47.69	PASS
Band4	5MHz	QPSK	20375	1RB#24	-20.64	PASS
Band4	5MHz	QPSK	20375	25RB#0	-28.44	PASS
Band4	5MHz	16QAM	19975	1RB#0	-21.44	PASS
Band4	5MHz	16QAM	19975	1RB#24	-49.95	PASS
Band4	5MHz	16QAM	19975	25RB#0	-32.48	PASS
Band4	5MHz	16QAM	20375	1RB#0	-50.84	PASS
Band4	5MHz	16QAM	20375	1RB#24	-21.93	PASS
Band4	5MHz	16QAM	20375	25RB#0	-30.75	PASS
Band4	10MHz	QPSK	20000	1RB#0	-23.85	PASS

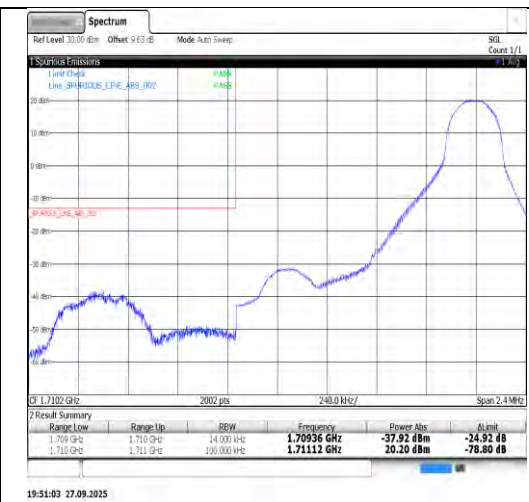
Band4	10MHz	QPSK	20000	1RB#49	-47.66	PASS
Band4	10MHz	QPSK	20000	50RB#0	-34.19	PASS
Band4	10MHz	QPSK	20350	1RB#0	-49.55	PASS
Band4	10MHz	QPSK	20350	1RB#49	-22.88	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.44	PASS
Band4	10MHz	16QAM	20000	1RB#0	-24.16	PASS
Band4	10MHz	16QAM	20000	1RB#49	-49.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	-35.33	PASS
Band4	10MHz	16QAM	20350	1RB#0	-46.97	PASS
Band4	10MHz	16QAM	20350	1RB#49	-23.21	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.19	PASS
Band4	15MHz	QPSK	20025	1RB#0	-24.55	PASS
Band4	15MHz	QPSK	20025	1RB#74	-48.83	PASS
Band4	15MHz	QPSK	20025	75RB#0	-34.31	PASS
Band4	15MHz	QPSK	20325	1RB#0	-49.62	PASS
Band4	15MHz	QPSK	20325	1RB#74	-24.71	PASS
Band4	15MHz	QPSK	20325	75RB#0	-28.41	PASS
Band4	15MHz	16QAM	20025	1RB#0	-25.05	PASS
Band4	15MHz	16QAM	20025	1RB#74	-49.01	PASS
Band4	15MHz	16QAM	20025	75RB#0	-35.34	PASS
Band4	15MHz	16QAM	20325	1RB#0	-49.04	PASS
Band4	15MHz	16QAM	20325	1RB#74	-26.06	PASS
Band4	15MHz	16QAM	20325	75RB#0	-31.13	PASS
Band4	20MHz	QPSK	20050	1RB#0	-25.38	PASS
Band4	20MHz	QPSK	20050	1RB#99	-48.12	PASS
Band4	20MHz	QPSK	20050	100RB#0	-36.34	PASS
Band4	20MHz	QPSK	20300	1RB#0	-48.42	PASS
Band4	20MHz	QPSK	20300	1RB#99	-27.18	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.10	PASS
Band4	20MHz	16QAM	20050	1RB#0	-26.57	PASS
Band4	20MHz	16QAM	20050	1RB#99	-48.44	PASS
Band4	20MHz	16QAM	20050	100RB#0	-36.79	PASS
Band4	20MHz	16QAM	20300	1RB#0	-48.38	PASS
Band4	20MHz	16QAM	20300	1RB#99	-28.11	PASS
Band4	20MHz	16QAM	20300	100RB#0	-32.38	PASS

Test Graphs

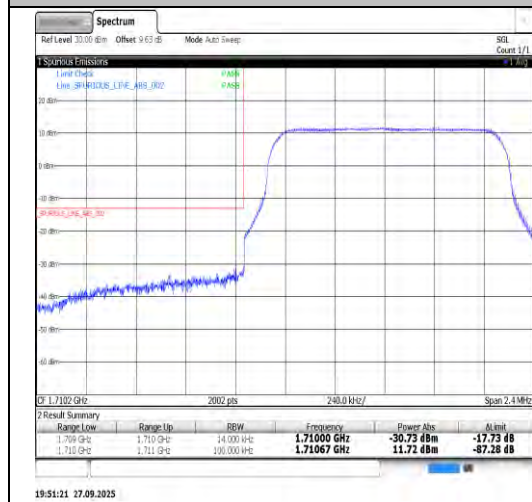
Band4-1.4MHz-QPSK-19957-1RB#0-PASS	Band4-1.4MHz-QPSK-19957-1RB#5-PASS
------------------------------------	------------------------------------



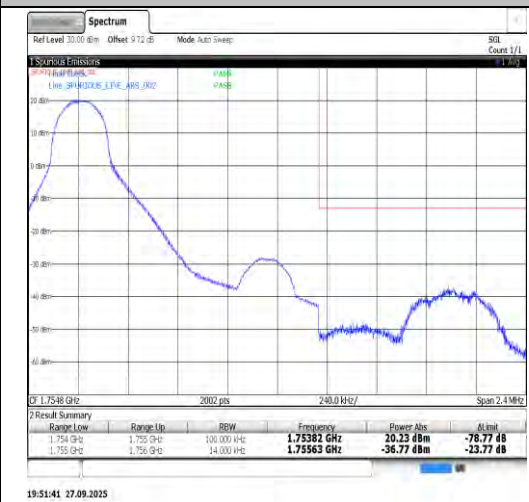
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



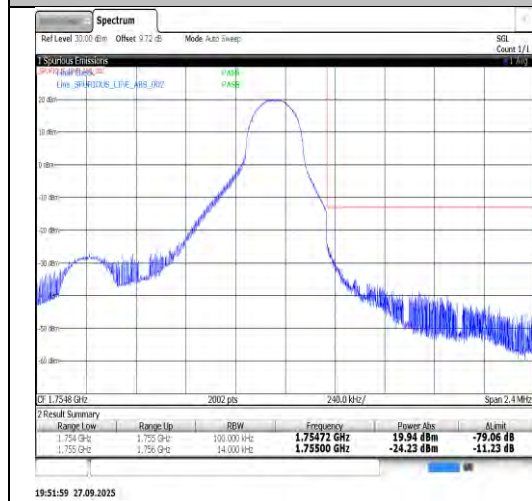
Band4-1.4MHz-QPSK-20393-1RB#0-PASS



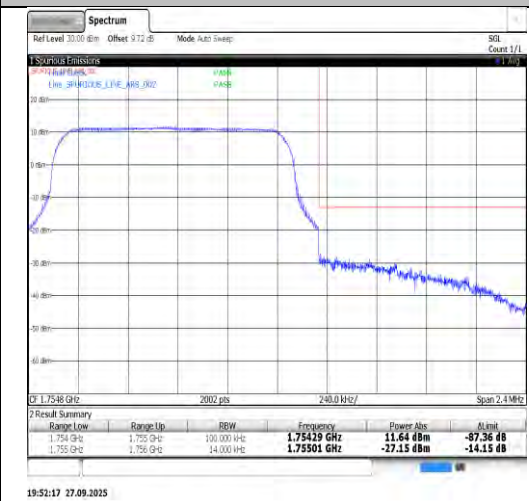
Band4-1.4MHz-QPSK-20393-1RB#5-PASS



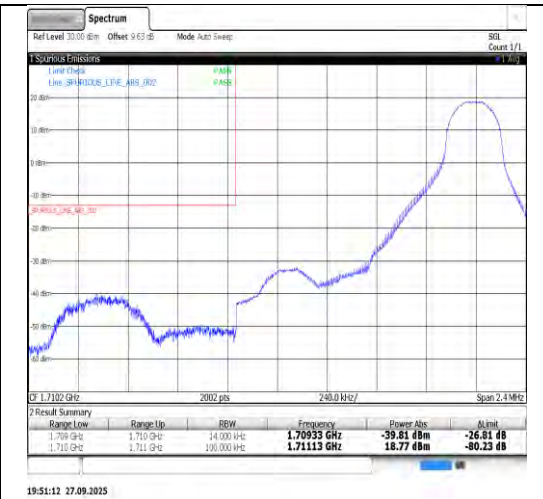
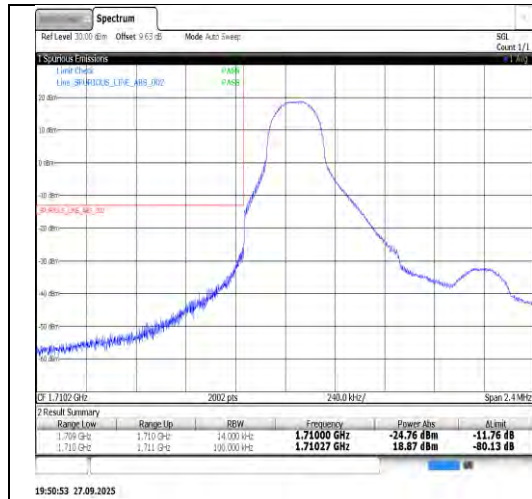
Band4-1.4MHz-QPSK-20393-6RB#0-PASS



Band4-1.4MHz-16QAM-19957-1RB#0-PASS

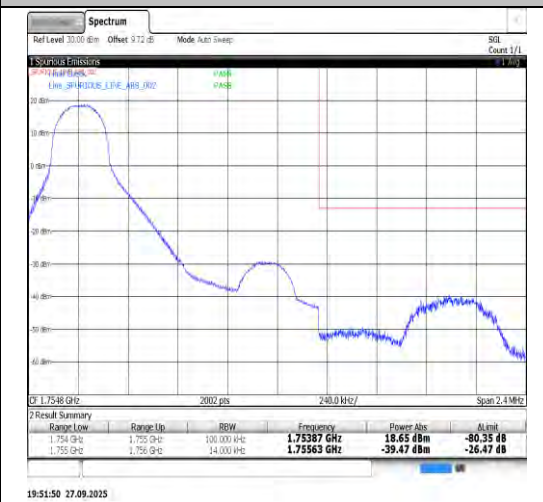
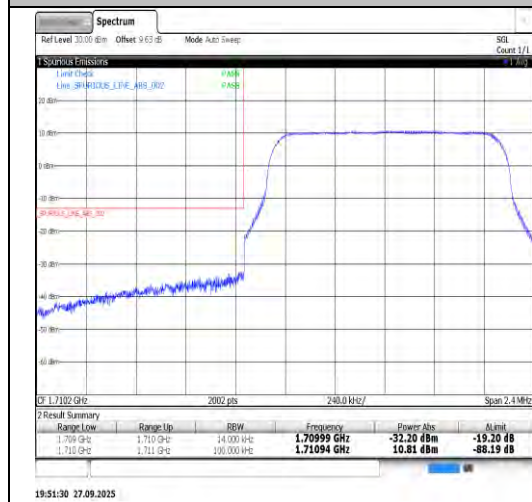


Band4-1.4MHz-16QAM-19957-1RB#5-PASS



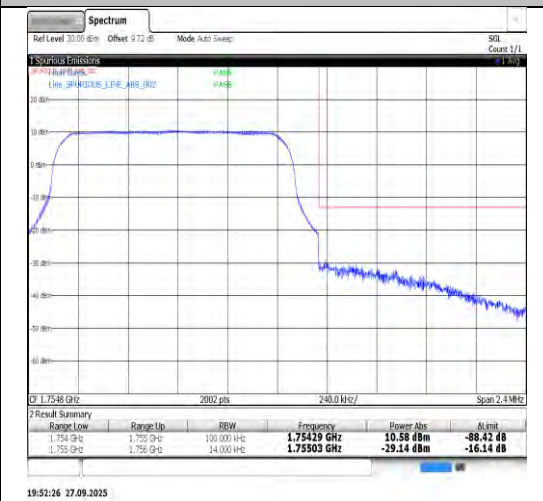
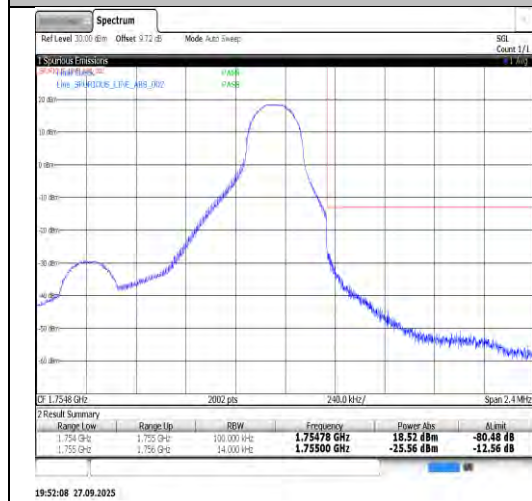
Band4-1.4MHz-16QAM-19957-6RB#0-PASS

Band4-1.4MHz-16QAM-20393-1RB#0-PASS



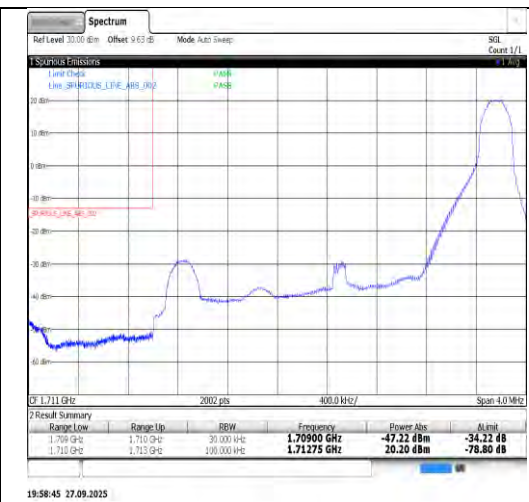
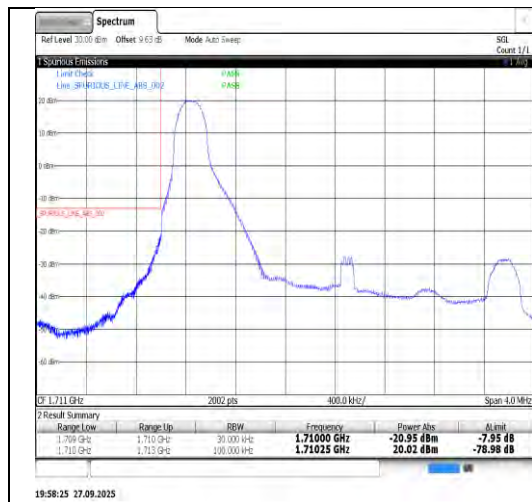
Band4-1.4MHz-16QAM-20393-1RB#5-PASS

Band4-1.4MHz-16QAM-20393-6RB#0-PASS



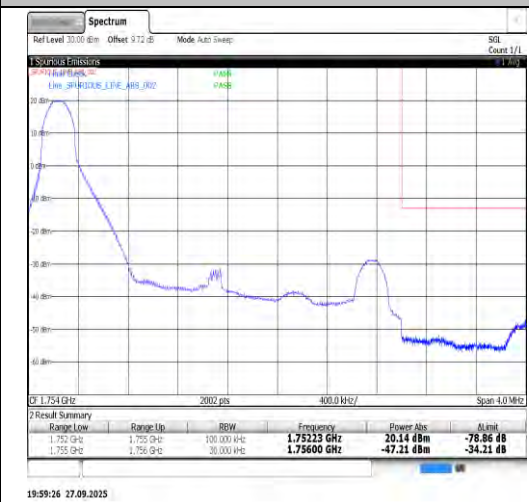
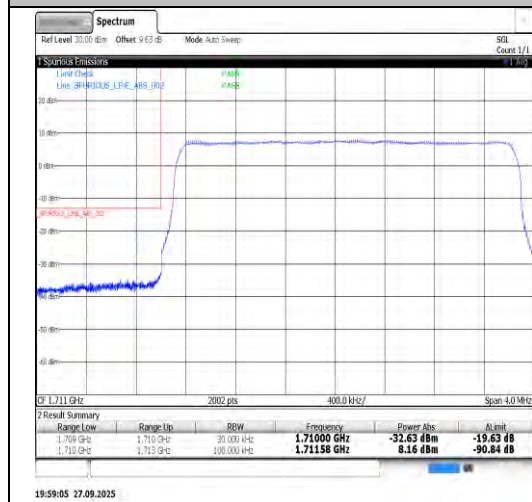
Band4-3MHz-QPSK-19965-1RB#0-PASS

Band4-3MHz-QPSK-19965-1RB#14-PASS



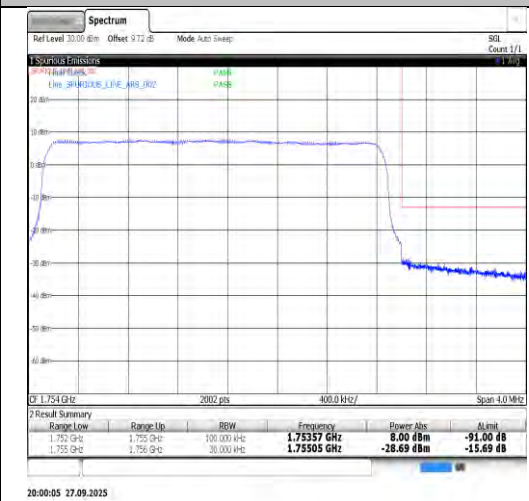
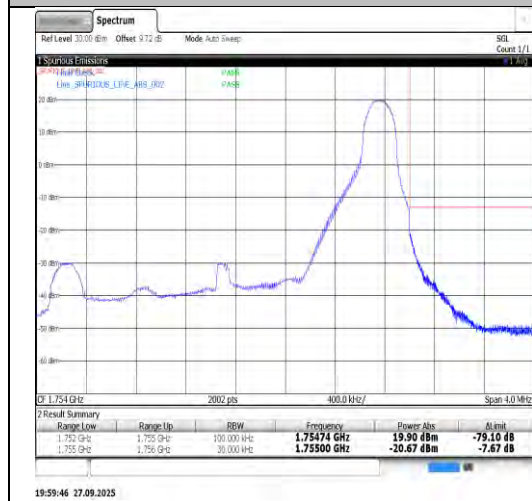
Band4-3MHz-QPSK-19965-15RB#0-PASS

Band4-3MHz-QPSK-20385-1RB#0-PASS



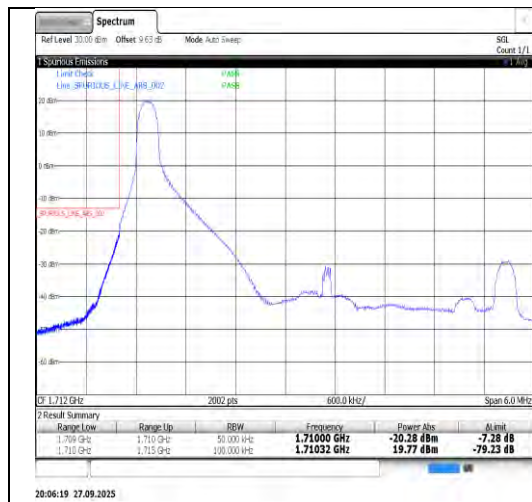
Band4-3MHz-QPSK-20385-1RB#14-PASS

Band4-3MHz-QPSK-20385-15RB#0-PASS

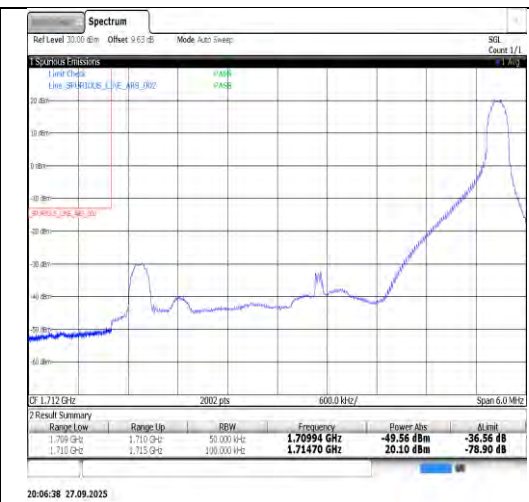


Band4-3MHz-16QAM-19965-1RB#0-PASS

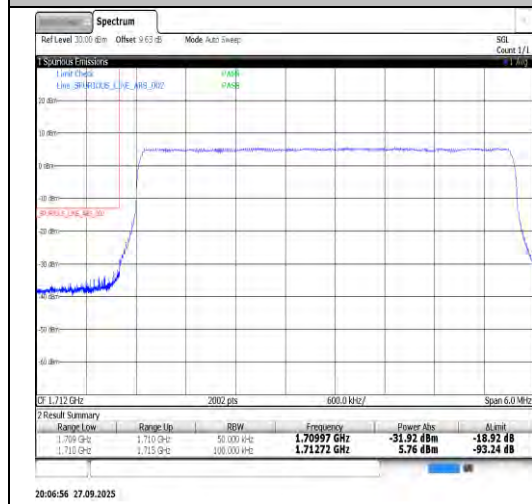
Band4-3MHz-16QAM-19965-1RB#14-PASS



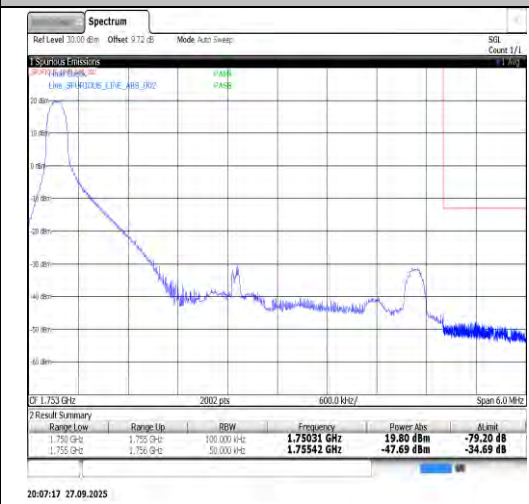
Band4-5MHz-QPSK-19975-25RB#0-PASS



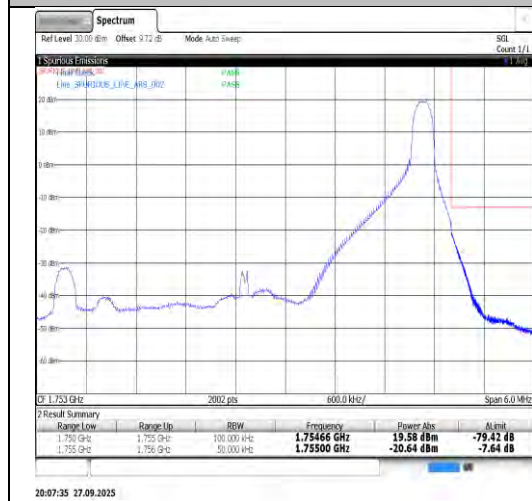
Band4-5MHz-QPSK-20375-1RB#0-PASS



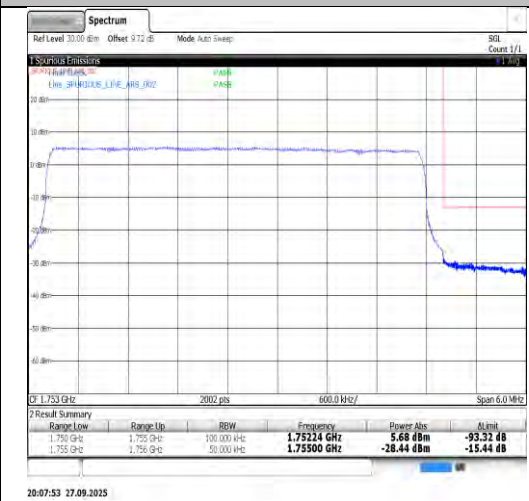
Band4-5MHz-QPSK-20375-1RB#24-PASS



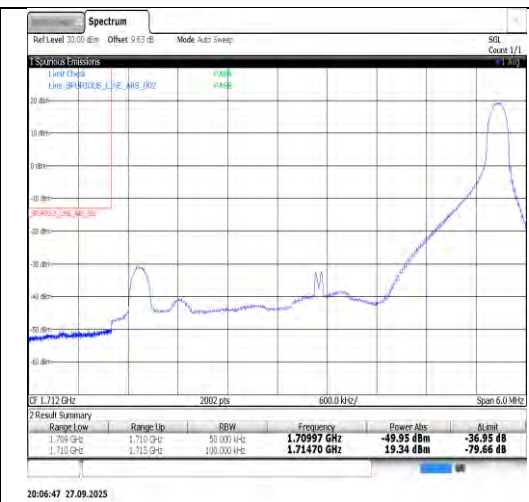
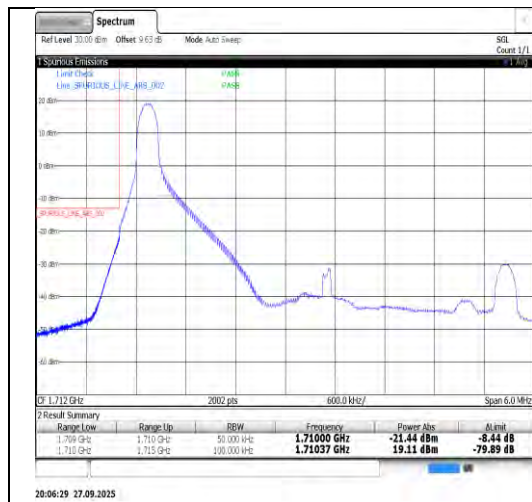
Band4-5MHz-QPSK-20375-25RB#0-PASS



Band4-5MHz-16QAM-19975-1RB#0-PASS

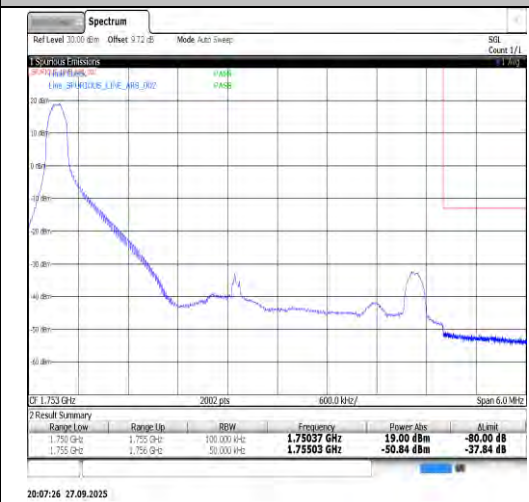
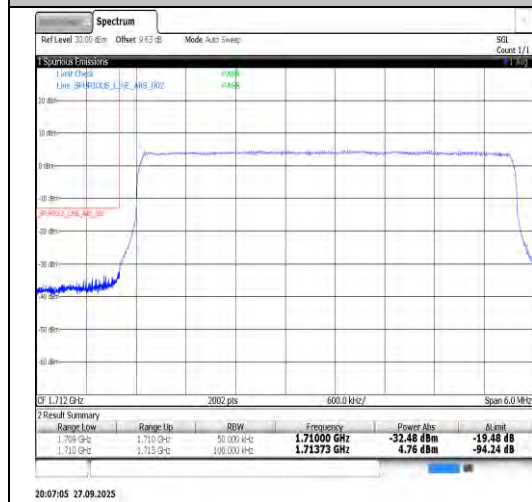


Band4-5MHz-16QAM-19975-1RB#24-PASS



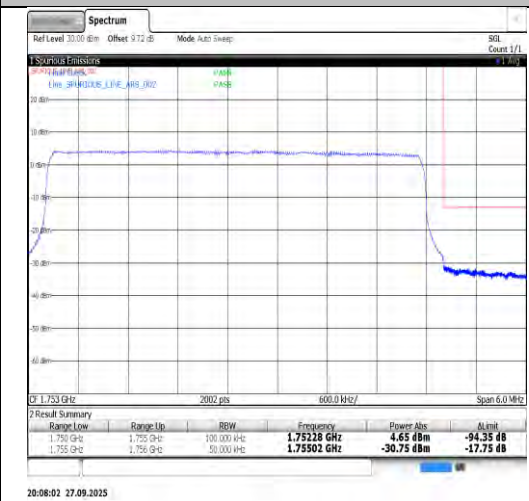
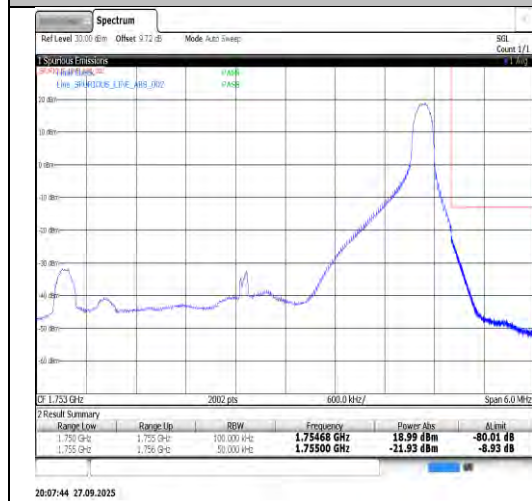
Band4-5MHz-16QAM-19975-25RB#0-PASS

Band4-5MHz-16QAM-20375-1RB#0-PASS



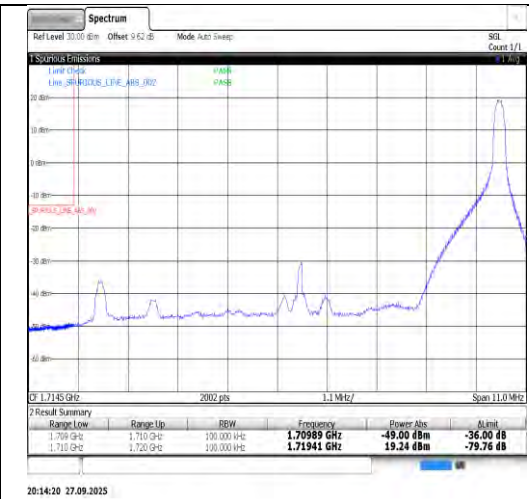
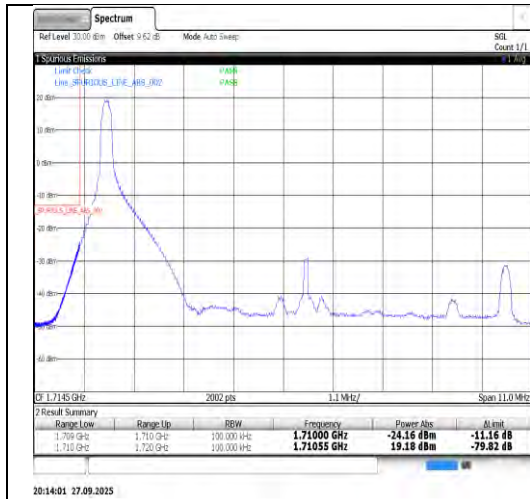
Band4-5MHz-16QAM-20375-1RB#24-PASS

Band4-5MHz-16QAM-20375-25RB#0-PASS



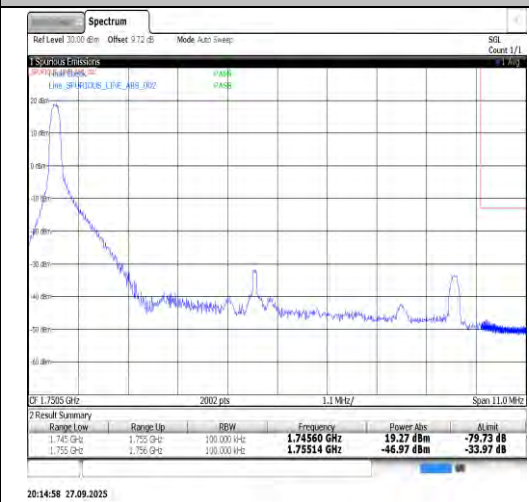
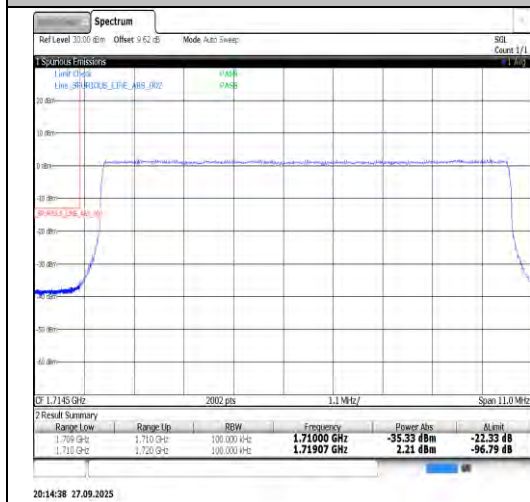
Band4-10MHz-QPSK-20000-1RB#0-PASS

Band4-10MHz-QPSK-20000-1RB#49-PASS



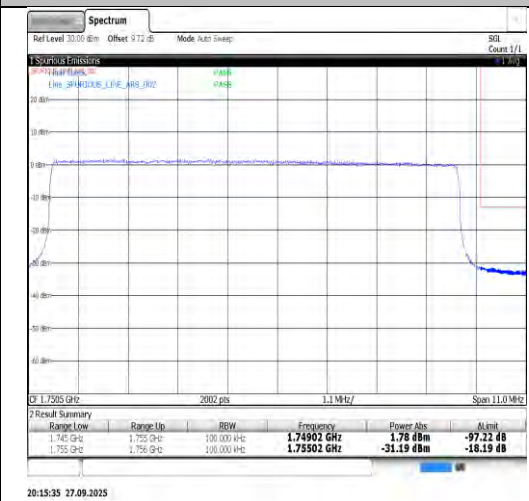
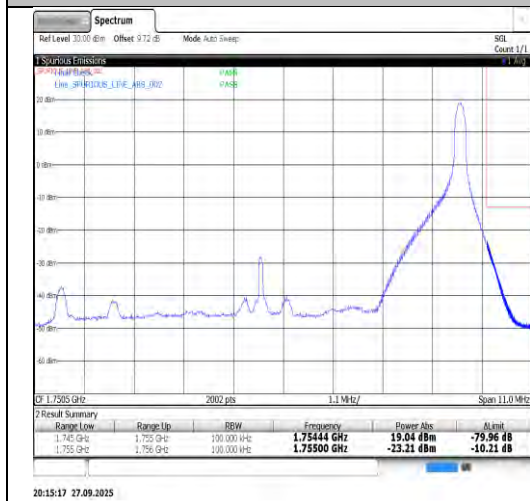
Band4-10MHz-16QAM-20000-50RB#0-PASS

Band4-10MHz-16QAM-20350-1RB#0-PASS



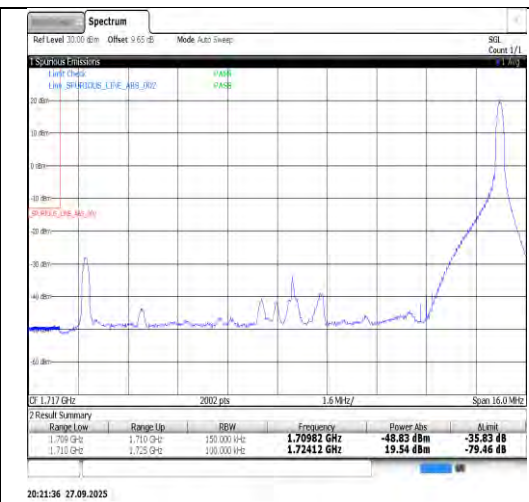
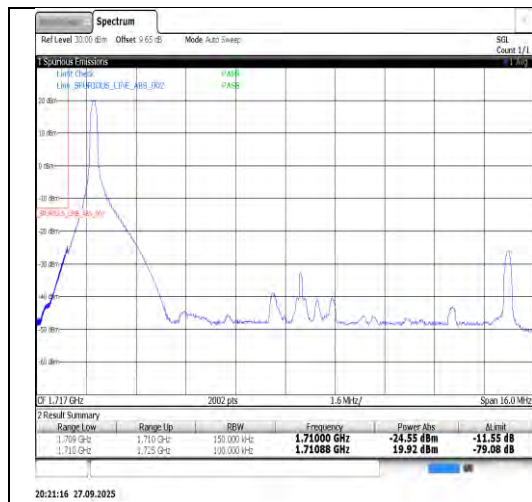
Band4-10MHz-16QAM-20350-1RB#49-PASS

Band4-10MHz-16QAM-20350-50RB#0-PASS



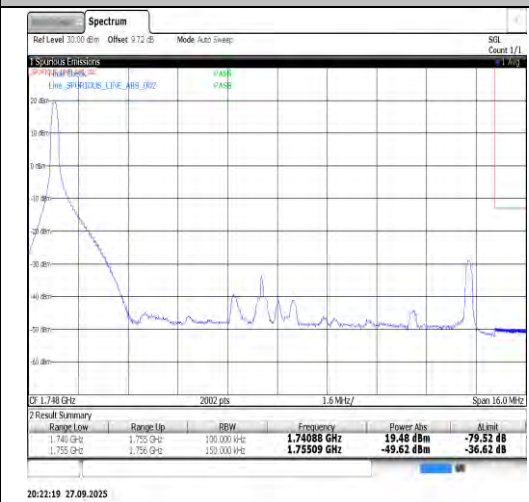
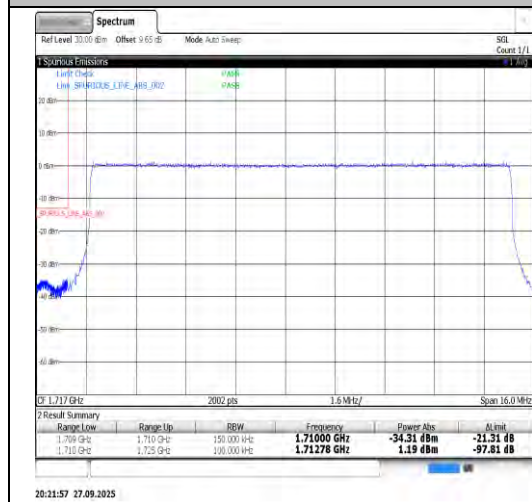
Band4-15MHz-QPSK-20025-1RB#0-PASS

Band4-15MHz-QPSK-20025-1RB#74-PASS



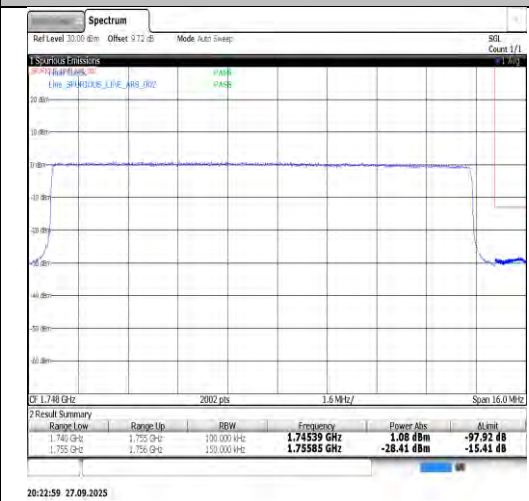
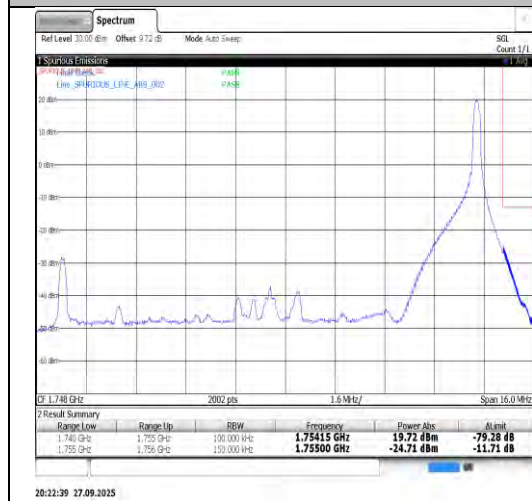
Band4-15MHz-QPSK-20025-75RB#0-PASS

Band4-15MHz-QPSK-20325-1RB#0-PASS



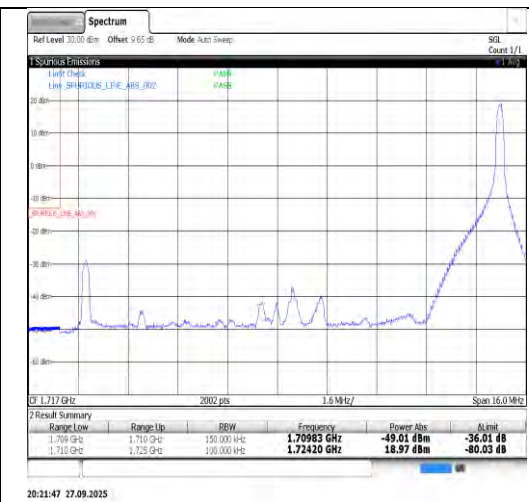
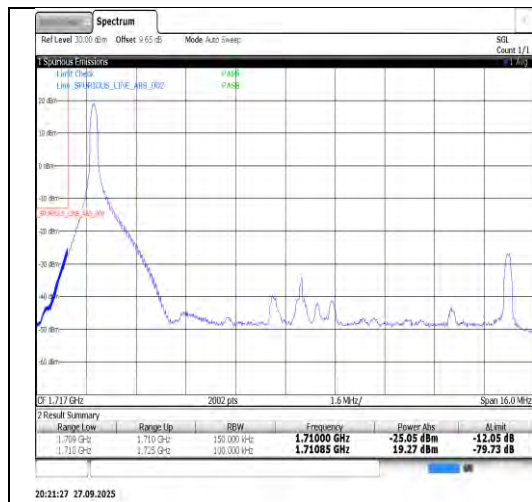
Band4-15MHz-QPSK-20325-1RB#74-PASS

Band4-15MHz-QPSK-20325-75RB#0-PASS



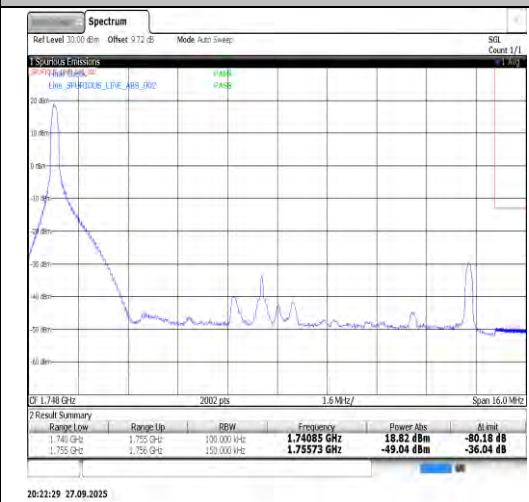
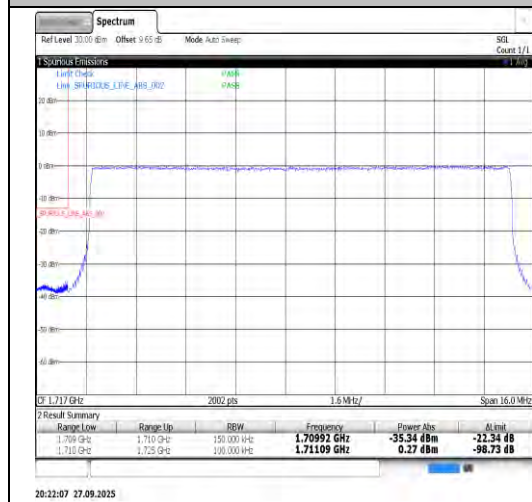
Band4-15MHz-16QAM-20025-1RB#0-PASS

Band4-15MHz-16QAM-20025-1RB#74-PASS



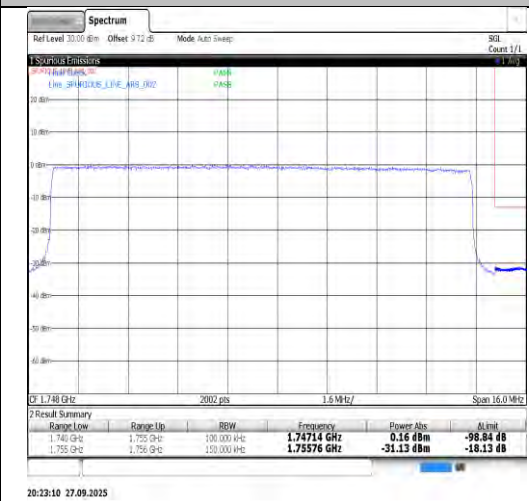
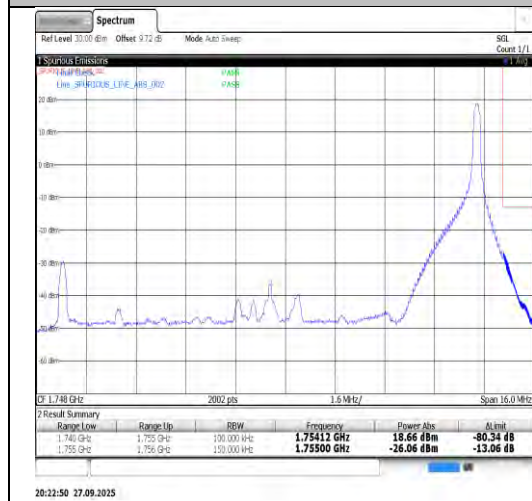
Band4-15MHz-16QAM-20025-75RB#0-PASS

Band4-15MHz-16QAM-20325-1RB#0-PASS



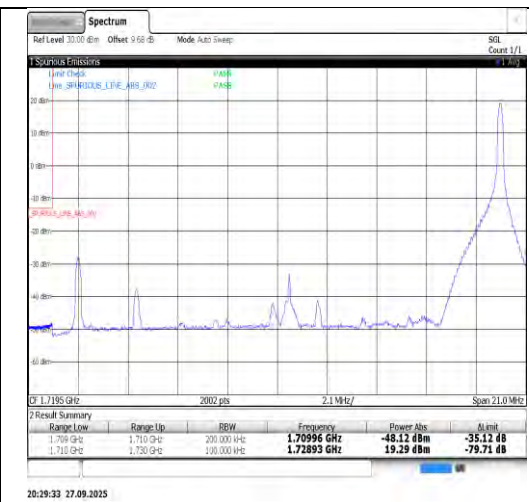
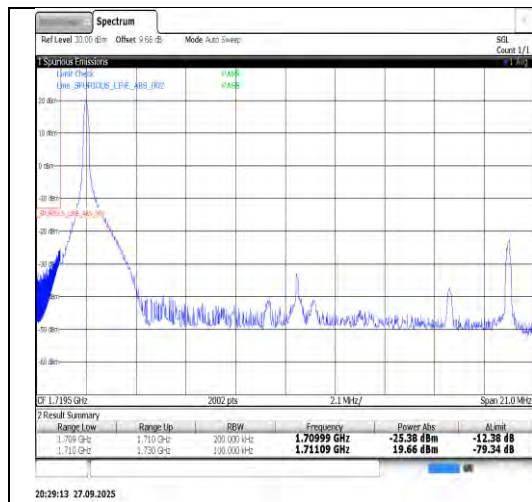
Band4-15MHz-16QAM-20325-1RB#74-PASS

Band4-15MHz-16QAM-20325-75RB#0-PASS



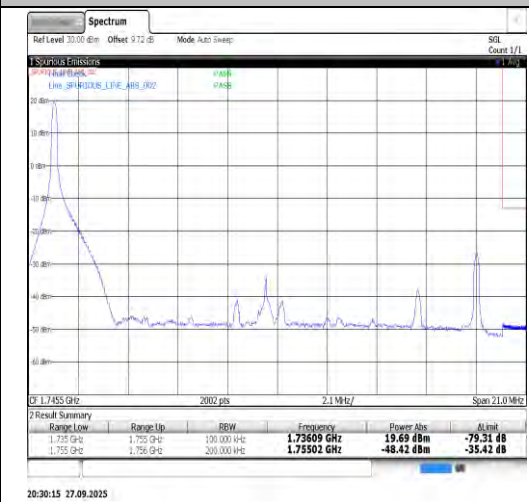
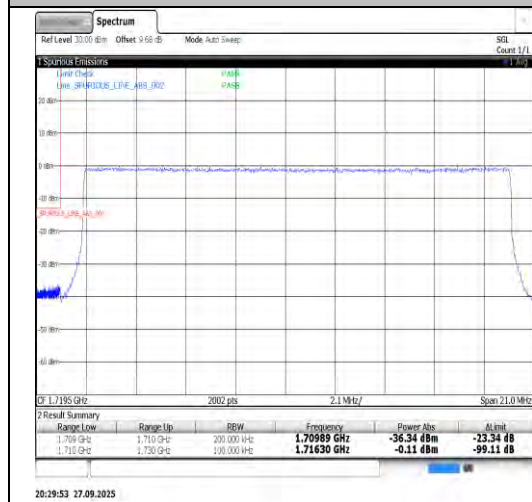
Band4-20MHz-QPSK-20050-1RB#0-PASS

Band4-20MHz-QPSK-20050-1RB#99-PASS



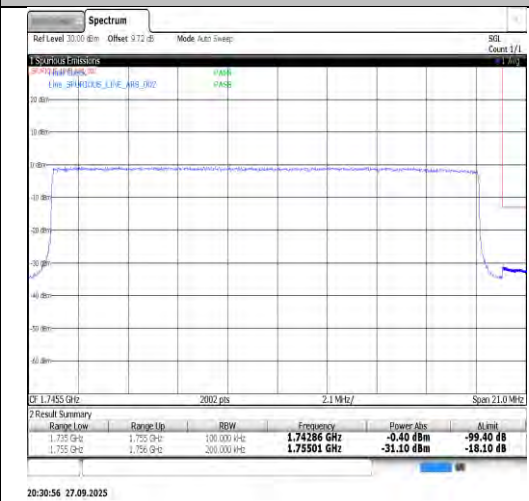
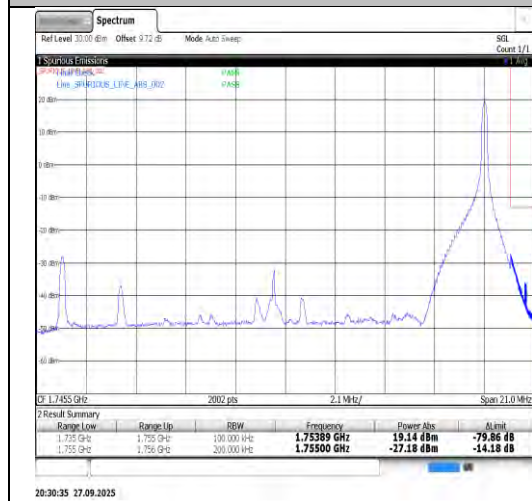
Band4-20MHz-QPSK-20050-100RB#0-PASS

Band4-20MHz-QPSK-20300-1RB#0-PASS



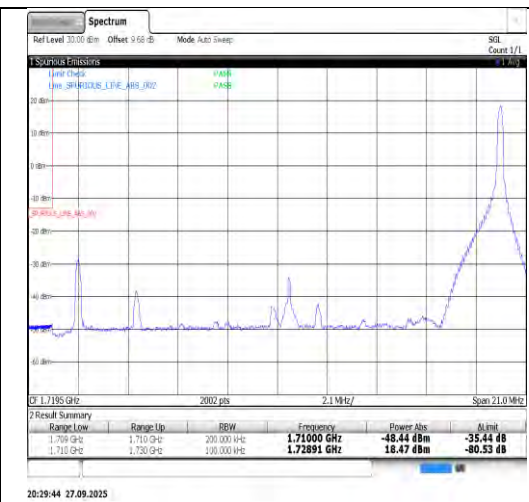
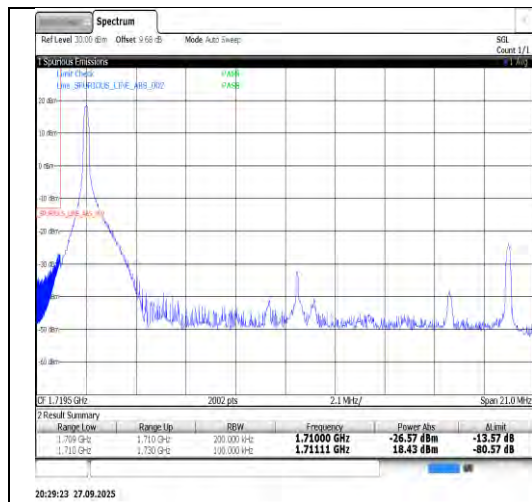
Band4-20MHz-QPSK-20300-1RB#99-PASS

Band4-20MHz-QPSK-20300-100RB#0-PASS



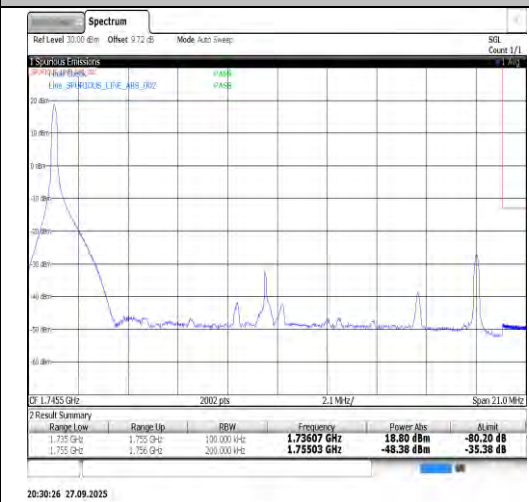
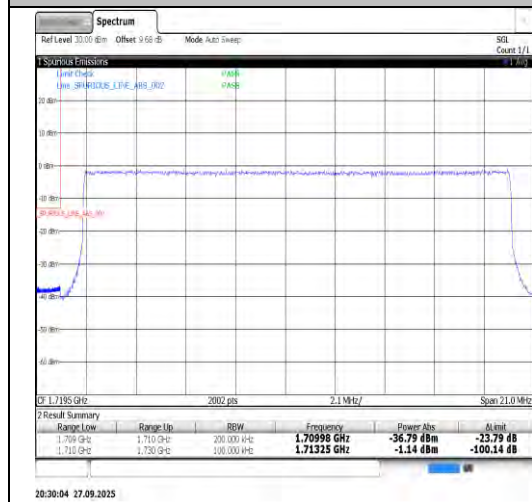
Band4-20MHz-16QAM-20050-1RB#0-PASS

Band4-20MHz-16QAM-20050-1RB#99-PASS



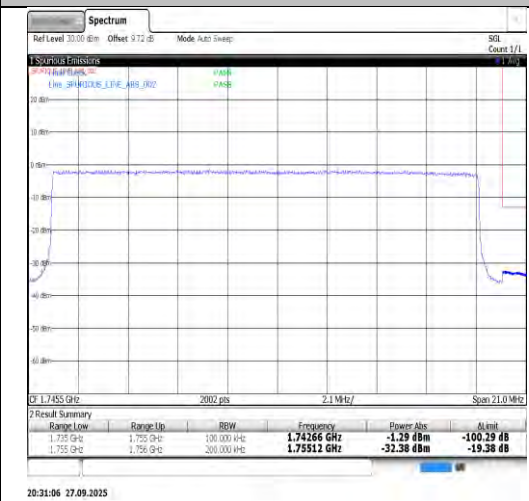
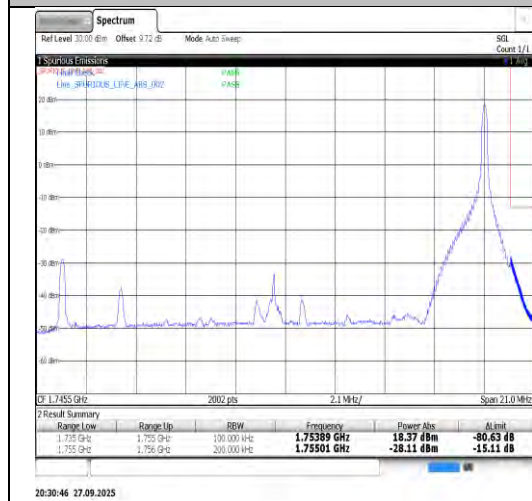
Band4-20MHz-16QAM-20050-100RB#0-PASS

Band4-20MHz-16QAM-20300-1RB#0-PASS



Band4-20MHz-16QAM-20300-1RB#99-PASS

Band4-20MHz-16QAM-20300-100RB#0-PASS



Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-62.13	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-10.69	/
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	-36.61	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	-26.31	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-62.45	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	-48.26	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	-26.04	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-62.41	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	-31.65	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	-26.75	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-62.23	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-12.53	/
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	-36.97	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	-26.79	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-62.17	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	-47.94	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	-25.97	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-62.02	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	-	PASS

						34.73	
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	- 26.18	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	- 62.45	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	- 11.23	/
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	- 36.38	PASS
Band4	3MHz	QPSK	19965	1RB#0	3000~20000	- 26.54	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	- 62.52	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	- 48.28	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	- 26.73	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	- 62.42	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	- 22.06	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	- 26.47	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	- 61.98	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	- 11.48	/
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	- 37.54	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	- 26.42	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	- 62.43	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	- 48.06	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	- 26.84	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	- 62.01	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	- 22.64	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	- 26.44	PASS

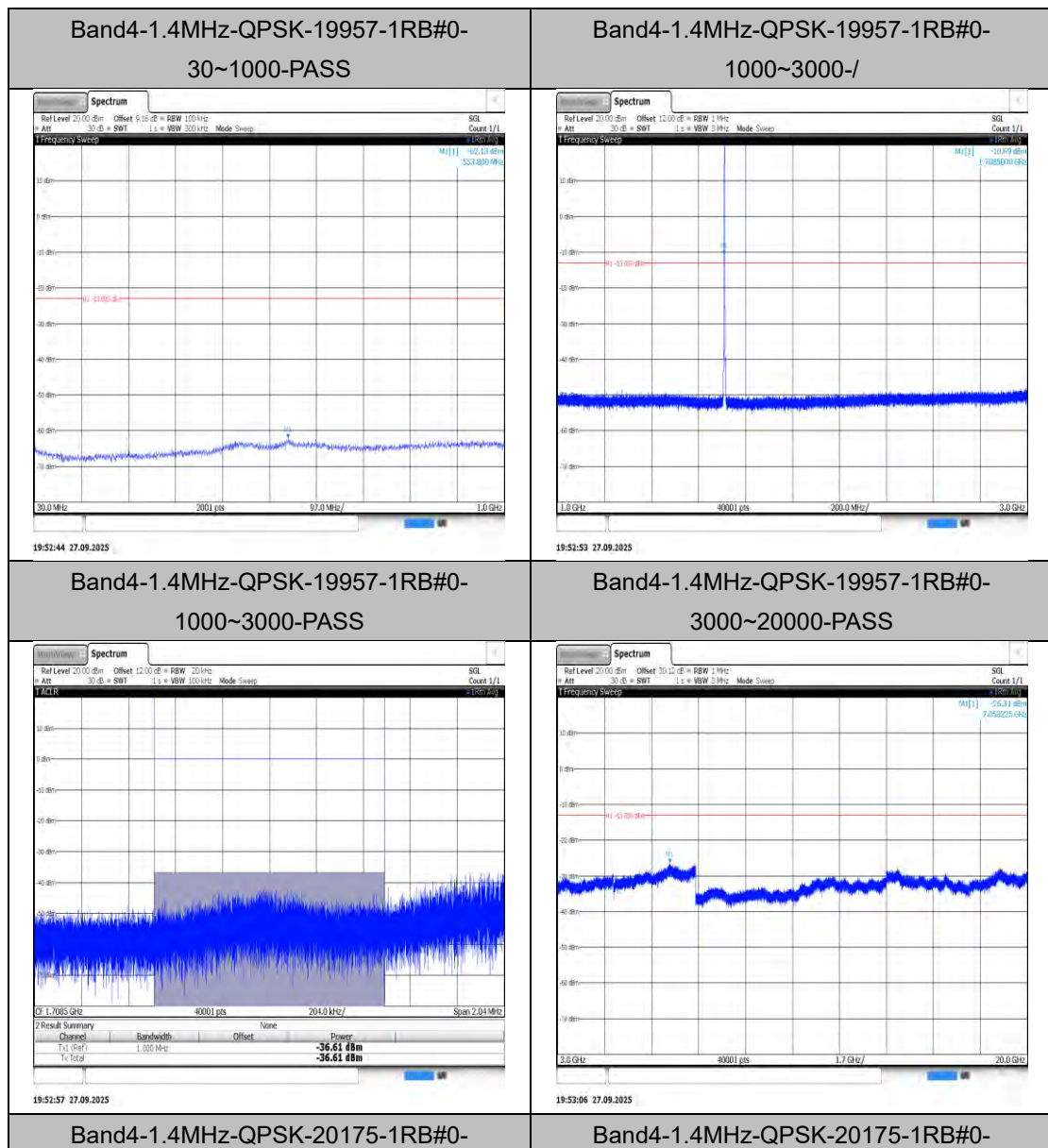
Band4	5MHz	QPSK	19975	1RB#0	30~1000	- 61.92	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	- 14.59	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	- 26.54	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	- 62.16	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	- 43.63	PASS
Band4	5MHz	QPSK	20175	1RB#0	3000~20000	- 26.10	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	- 62.38	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	- 25.01	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	- 26.35	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	- 62.03	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	- 16.22	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	- 26.24	PASS
Band4	5MHz	16QAM	20175	1RB#0	30~1000	- 62.04	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	- 40.23	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	- 26.38	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	- 62.52	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	- 22.99	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	- 26.15	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	- 62.07	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	- 25.17	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	- 26.57	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	- 62.40	PASS

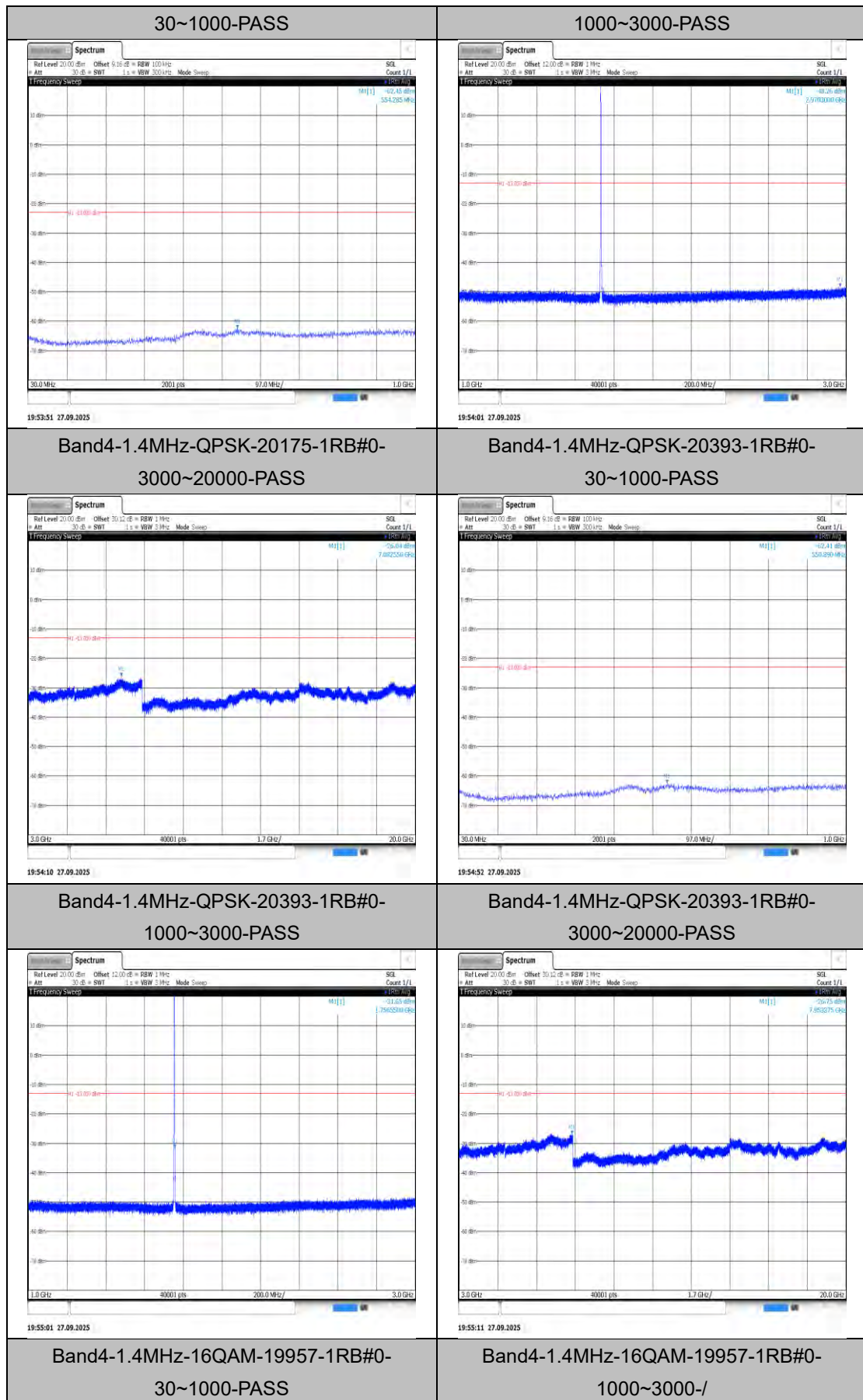
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	- 47.89	PASS
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	- 26.55	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	- 62.12	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	- 25.44	PASS
Band4	10MHz	QPSK	20350	1RB#0	3000~20000	- 26.63	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	- 62.37	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	- 26.60	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	- 26.62	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	- 62.48	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	- 48.37	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	- 26.23	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	- 62.67	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	- 22.35	PASS
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	- 26.41	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	- 62.28	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	- 34.41	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	- 26.51	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	- 62.18	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	- 37.60	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	- 26.52	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	- 62.38	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	- 21.07	PASS

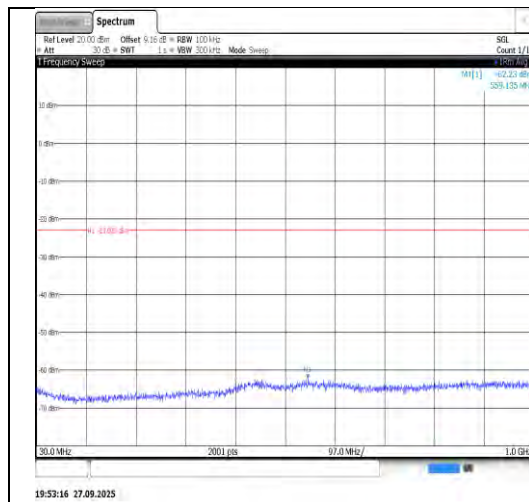
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	- 26.61	PASS
Band4	15MHz	16QAM	20025	1RB#0	30~1000	- 62.23	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	- 35.61	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	- 26.56	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	- 62.57	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	- 34.63	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	- 26.42	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	- 62.40	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	- 22.26	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	- 26.72	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	- 62.17	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	- 16.73	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	- 26.85	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	- 62.49	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	- 19.63	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	- 26.76	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	- 62.31	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	- 21.54	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	- 26.50	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	- 62.31	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	- 15.99	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	- 26.69	PASS

Band4	20MHz	16QAM	20175	1RB#0	30~1000	- 61.93	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	- 20.36	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	- 26.45	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	- 62.28	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	- 23.40	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	- 26.10	PASS

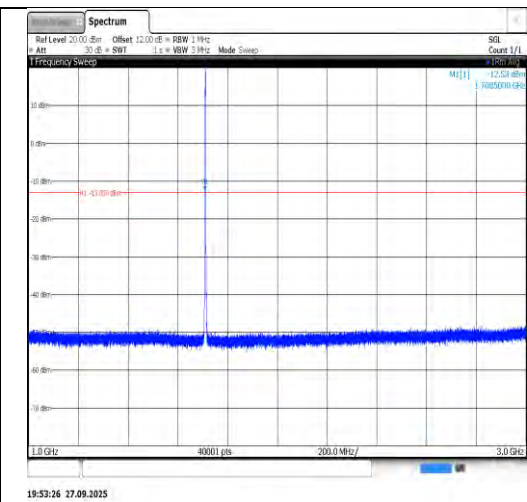
Test Graphs



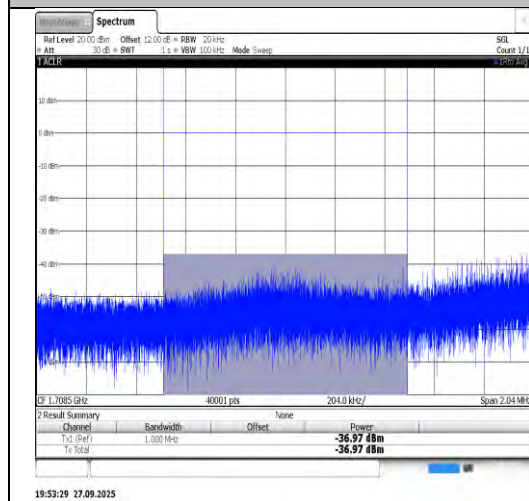




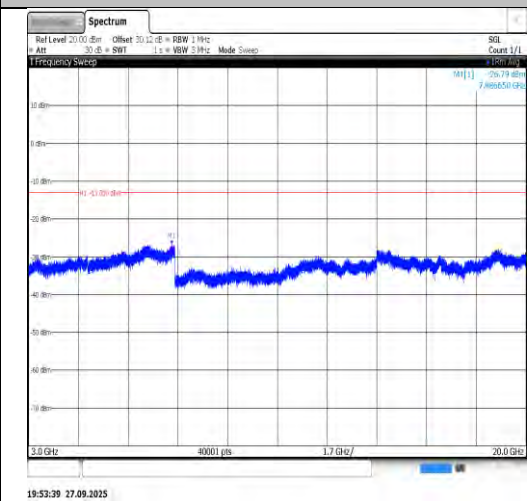
Band4-1.4MHz-16QAM-19957-1RB#0-
1000~3000-PASS



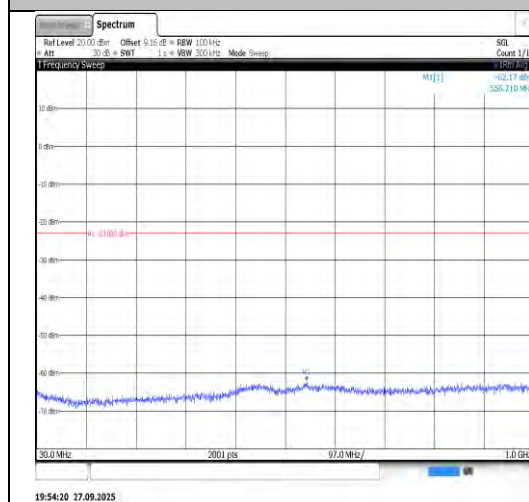
Band4-1.4MHz-16QAM-19957-1RB#0-
3000~20000-PASS



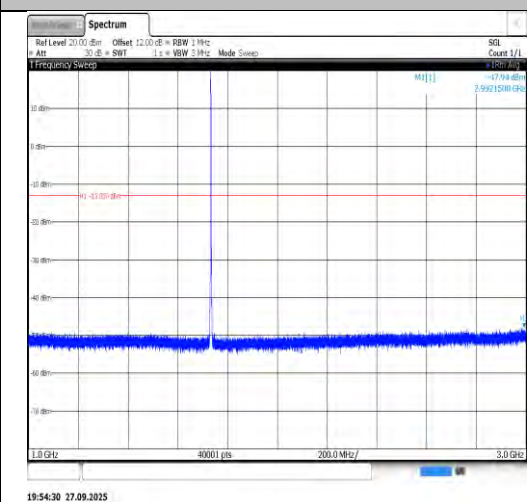
Band4-1.4MHz-16QAM-20175-1RB#0-
30~1000-PASS



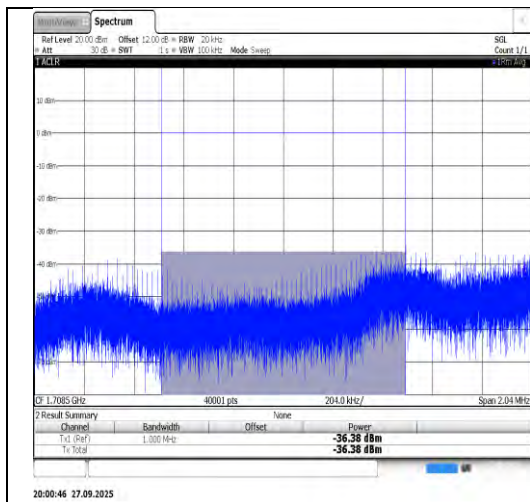
Band4-1.4MHz-16QAM-20175-1RB#0-
1000~3000-PASS



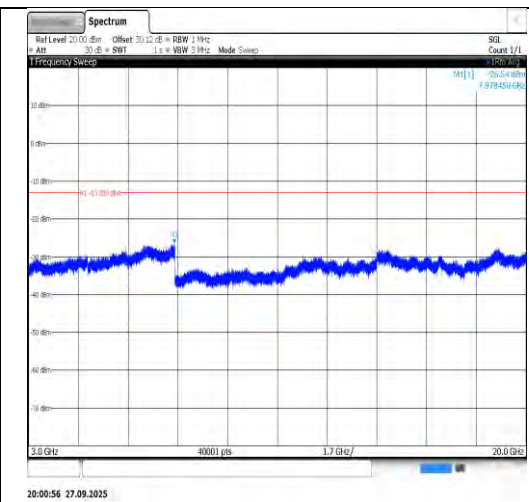
Band4-1.4MHz-16QAM-20175-1RB#0-
3000~20000-PASS



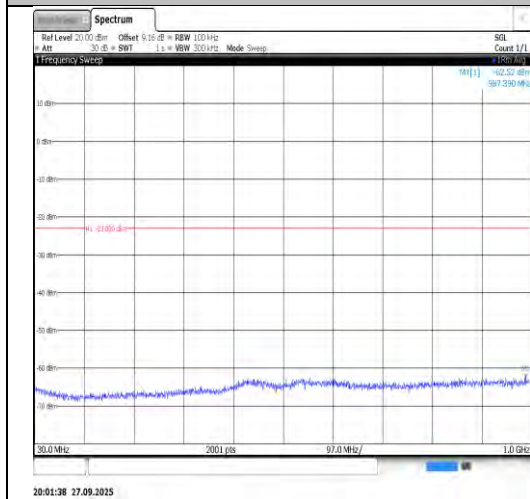
Band4-1.4MHz-16QAM-20393-1RB#0-
30~1000-PASS



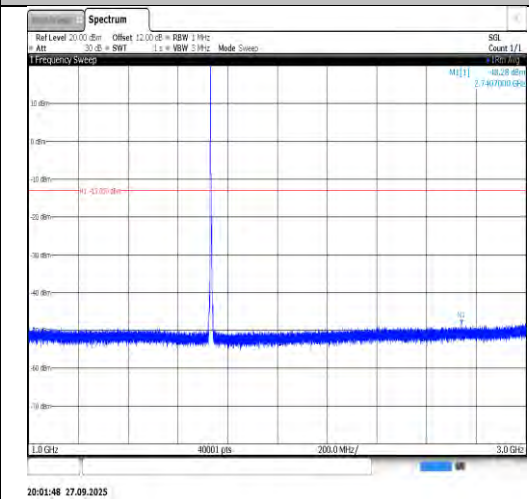
Band4-3MHz-QPSK-20175-1RB#0-30~1000-PASS



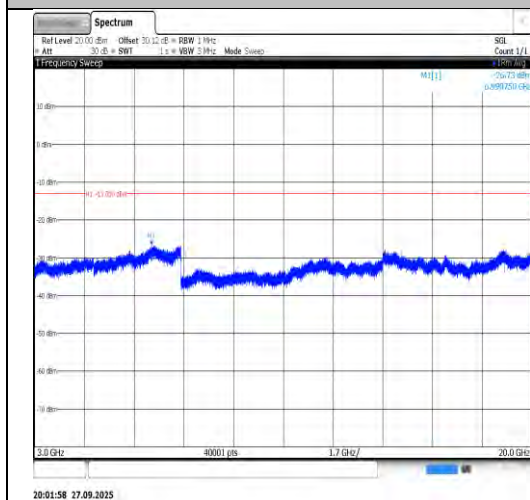
Band4-3MHz-QPSK-20175-1RB#0-1000~3000-PASS



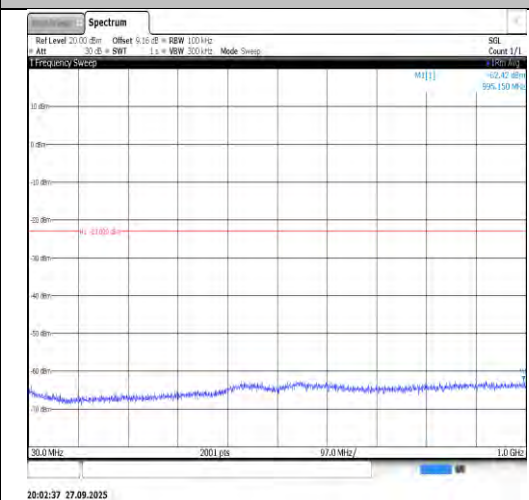
Band4-3MHz-QPSK-20175-1RB#0-3000~20000-PASS



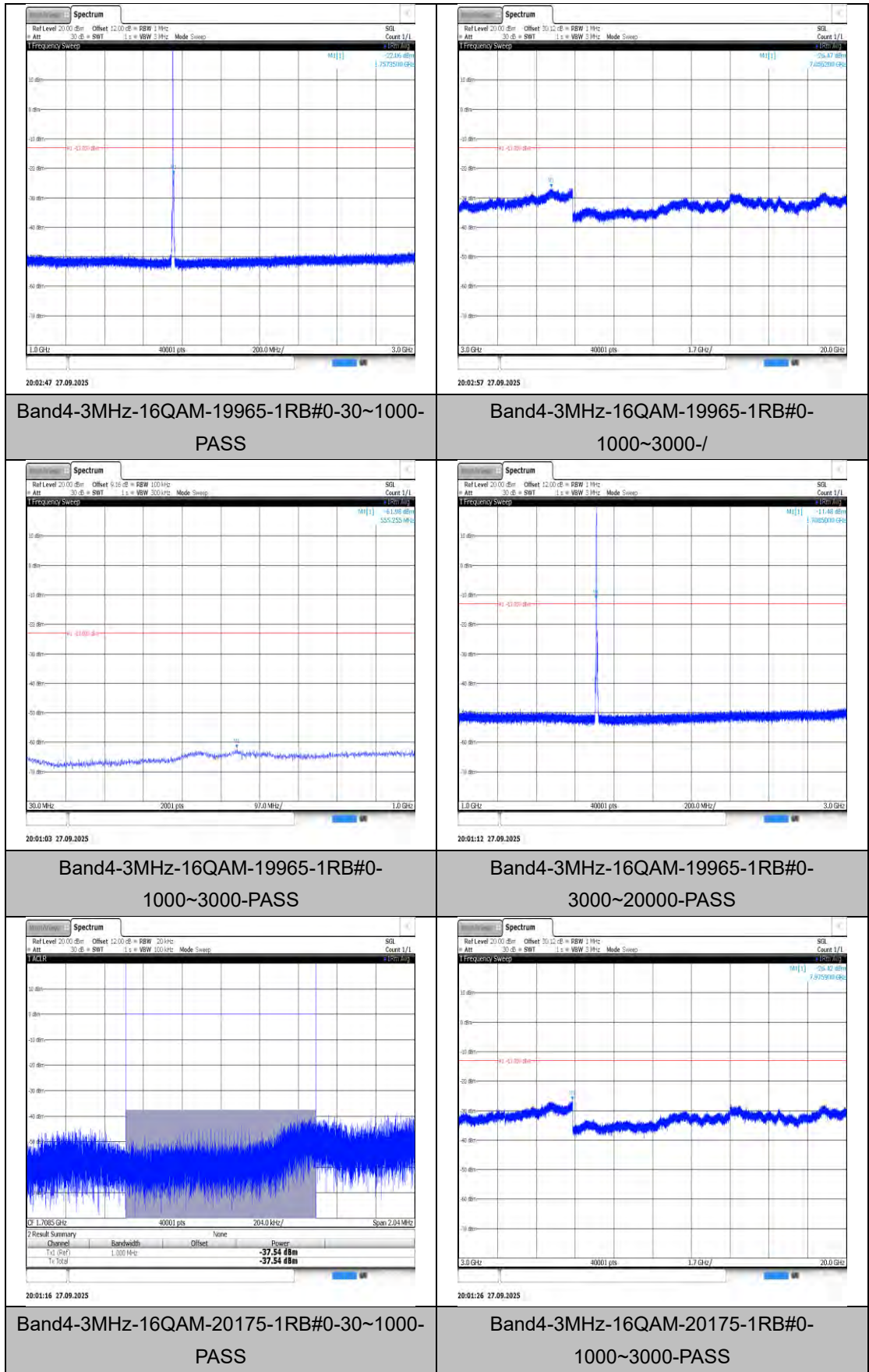
Band4-3MHz-QPSK-20385-1RB#0-30~1000-PASS

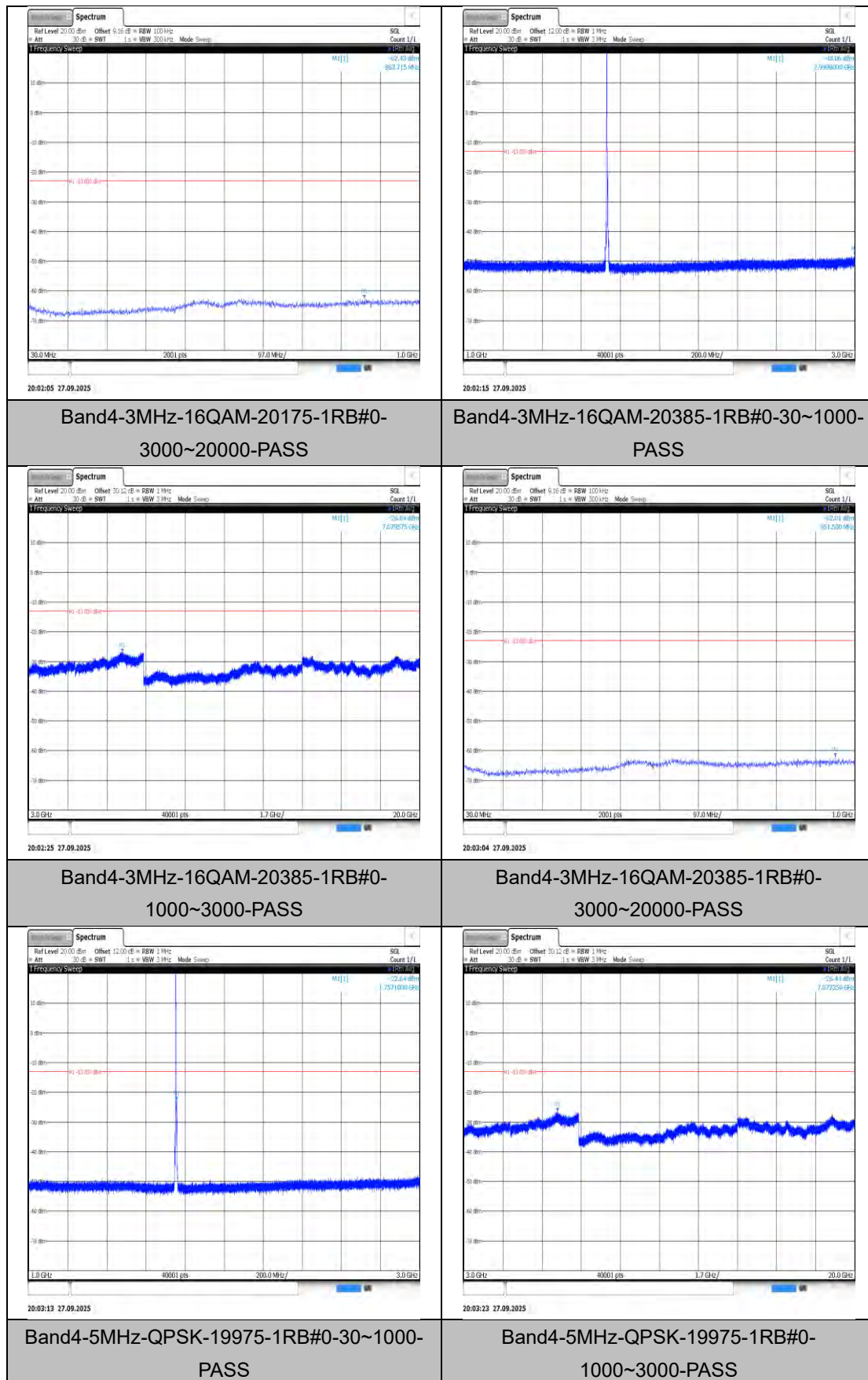


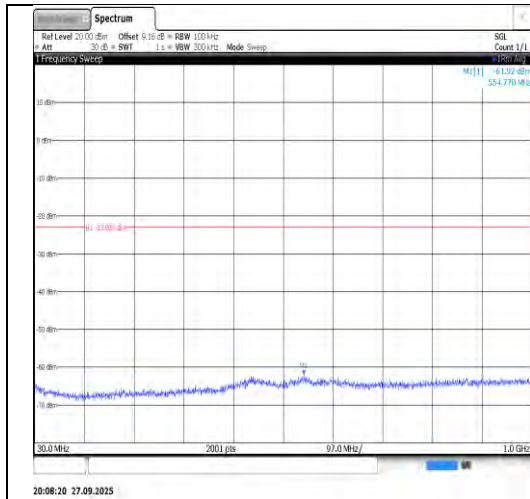
Band4-3MHz-QPSK-20385-1RB#0-1000~3000-PASS



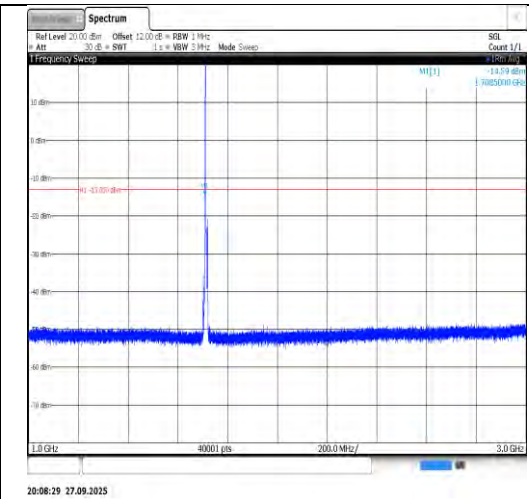
Band4-3MHz-QPSK-20385-1RB#0-3000~20000-PASS



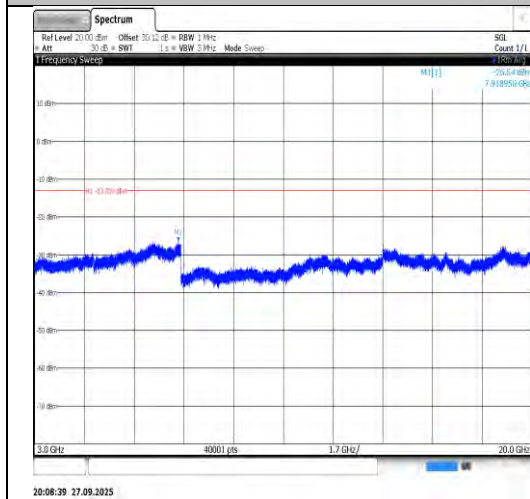




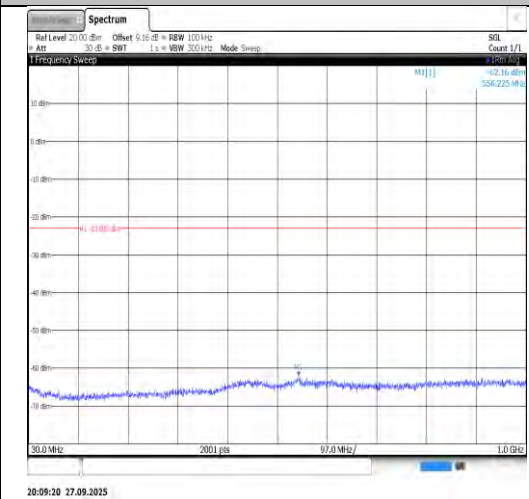
Band4-5MHz-QPSK-19975-1RB#0-
3000~20000-PASS



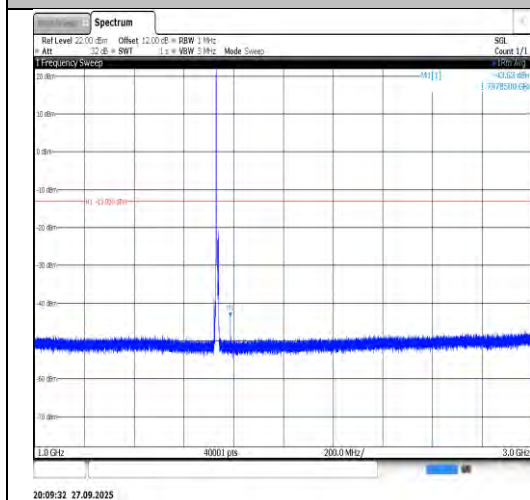
Band4-5MHz-QPSK-20175-1RB#0-30~1000-
PASS



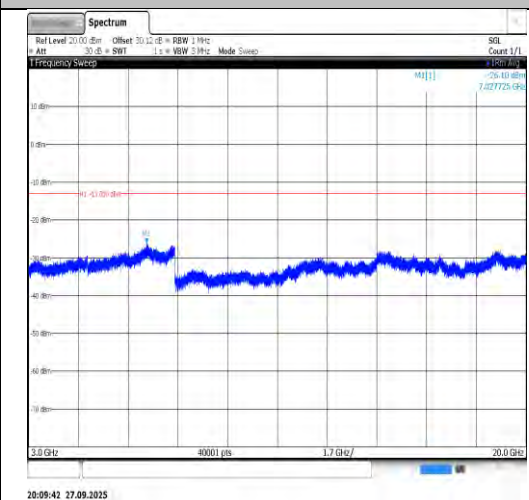
Band4-5MHz-QPSK-20175-1RB#0-
1000~3000-PASS



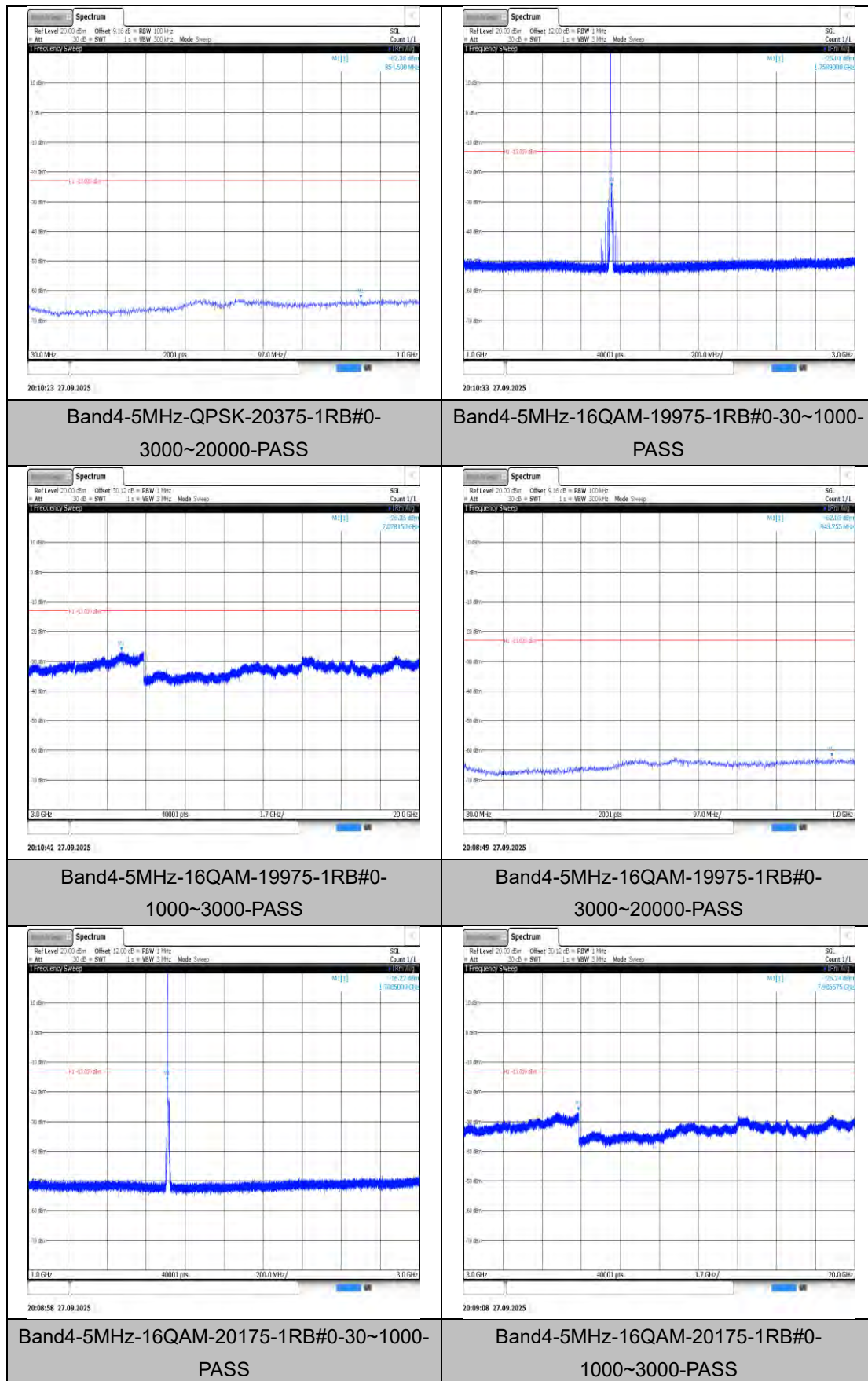
Band4-5MHz-QPSK-20175-1RB#0-
3000~20000-PASS

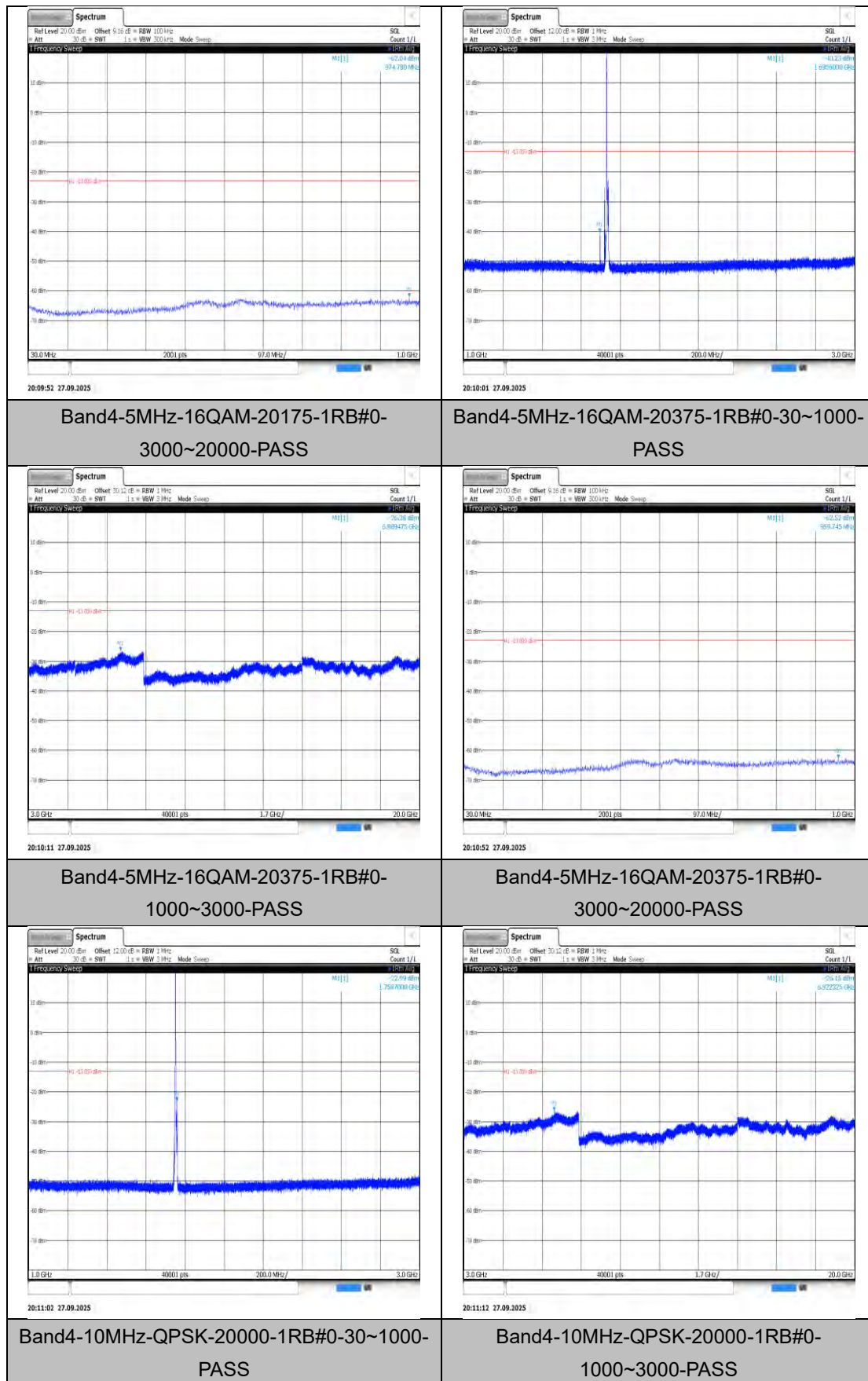


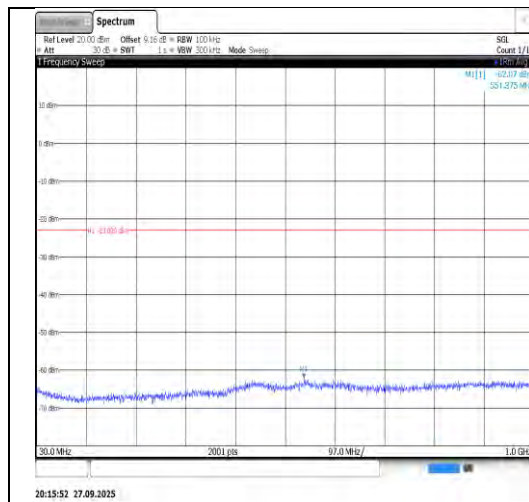
Band4-5MHz-QPSK-20375-1RB#0-30~1000-
PASS



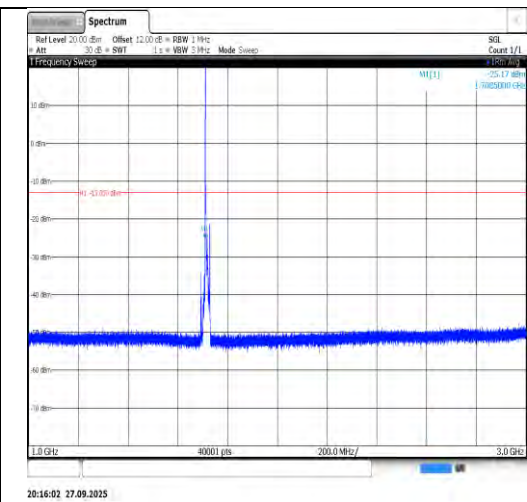
Band4-5MHz-QPSK-20375-1RB#0-
1000~3000-PASS



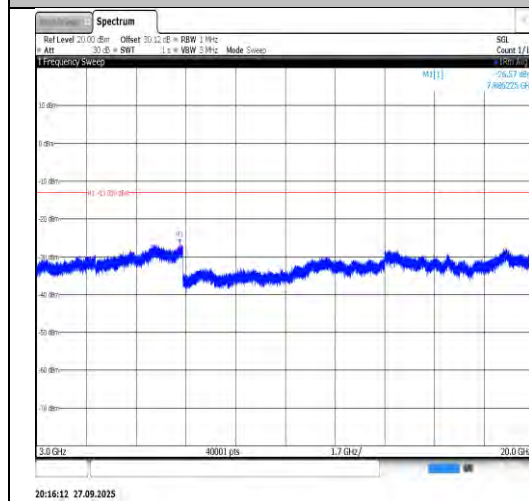




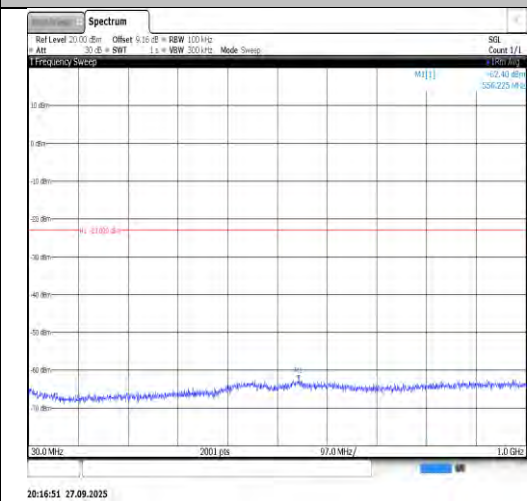
Band4-10MHz-QPSK-20000-1RB#0-
3000~20000-PASS



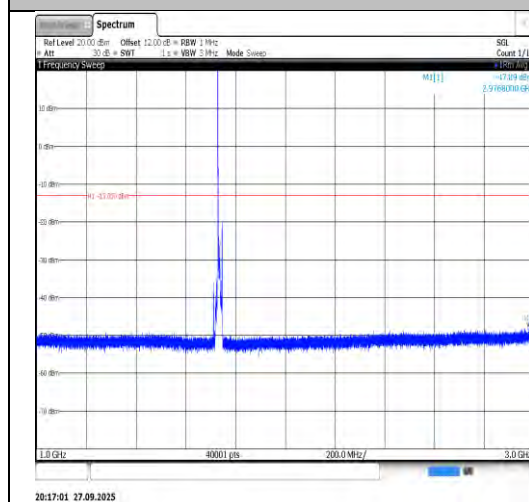
Band4-10MHz-QPSK-20175-1RB#0-30~1000-
PASS



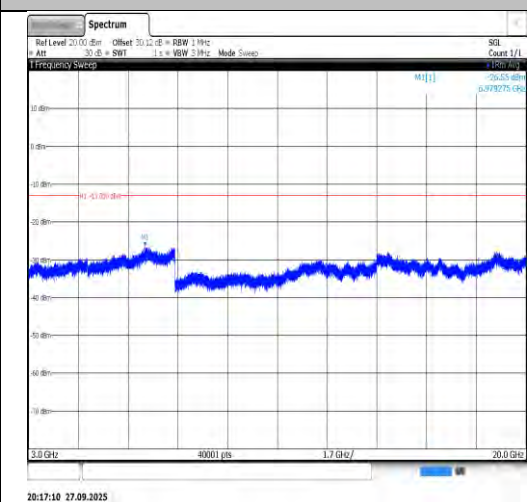
Band4-10MHz-QPSK-20175-1RB#0-
1000~3000-PASS



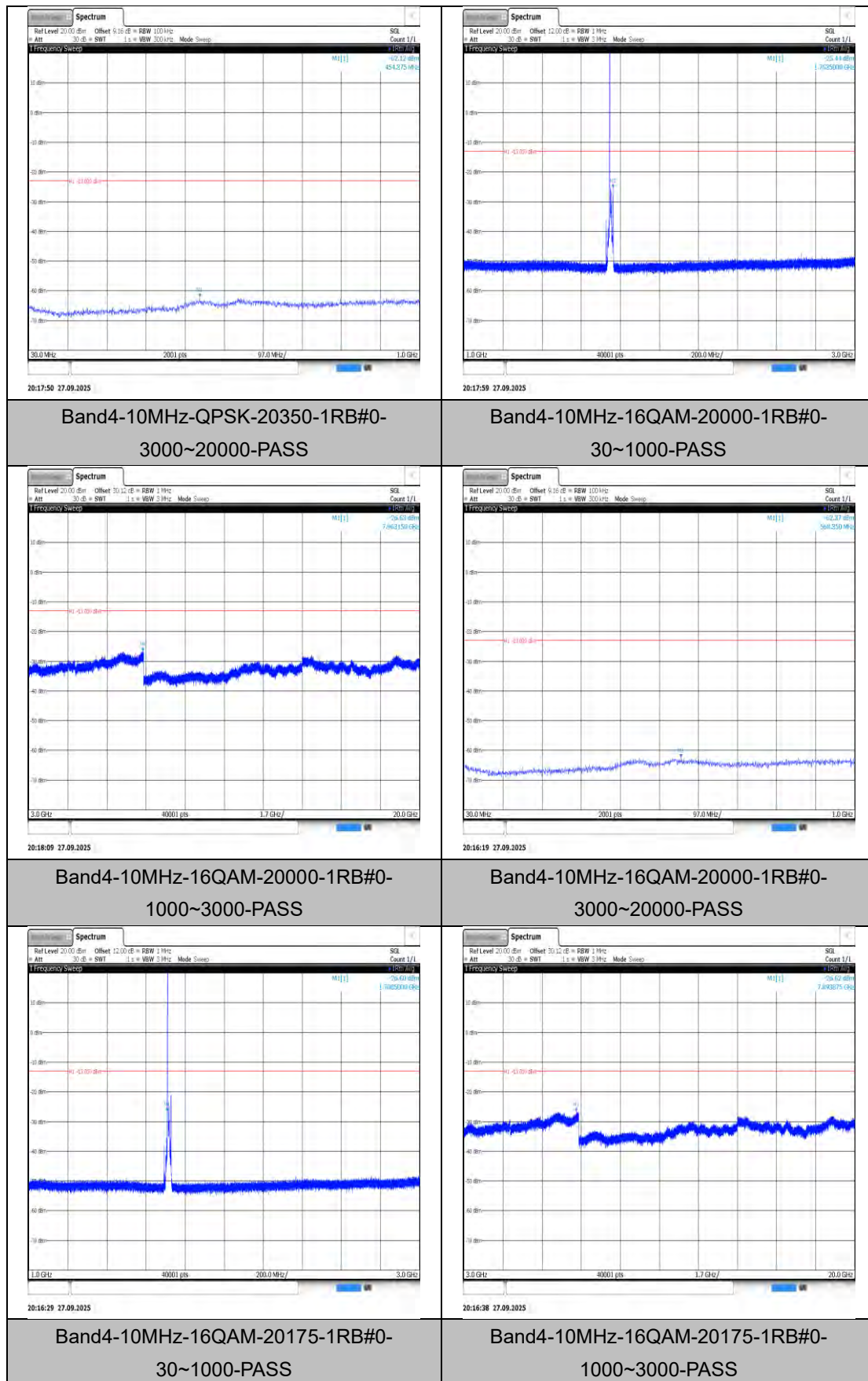
Band4-10MHz-QPSK-20175-1RB#0-
3000~20000-PASS

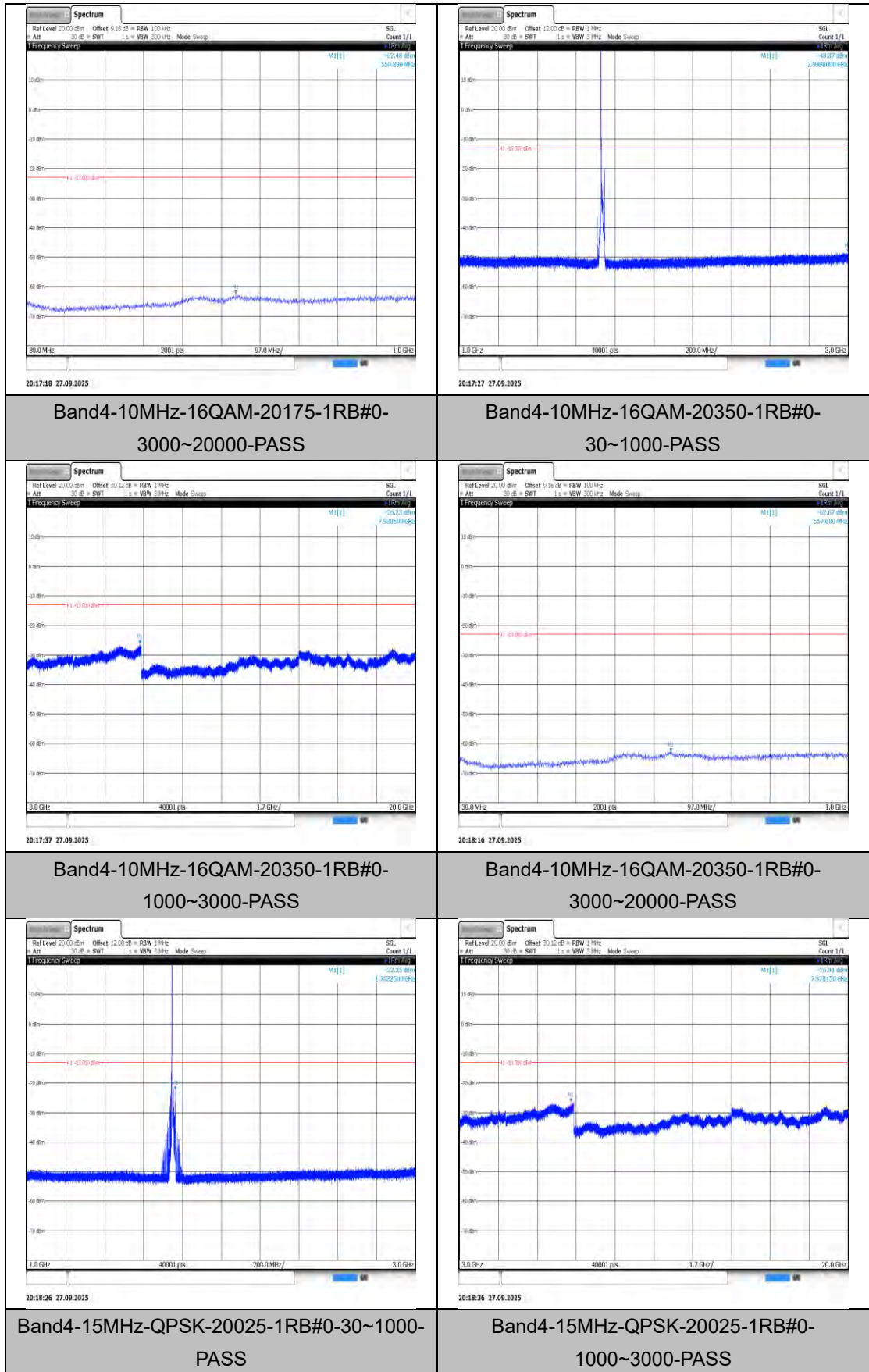


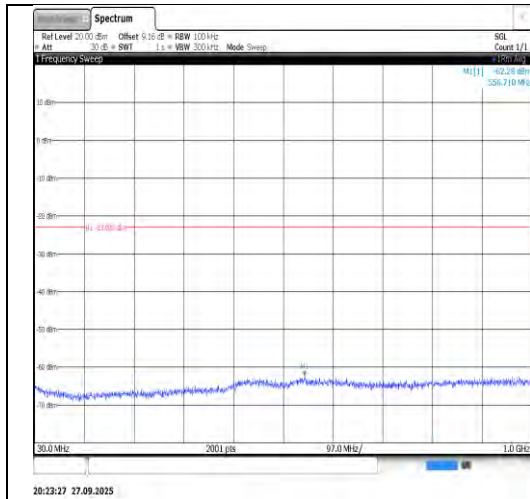
Band4-10MHz-QPSK-20350-1RB#0-30~1000-
PASS



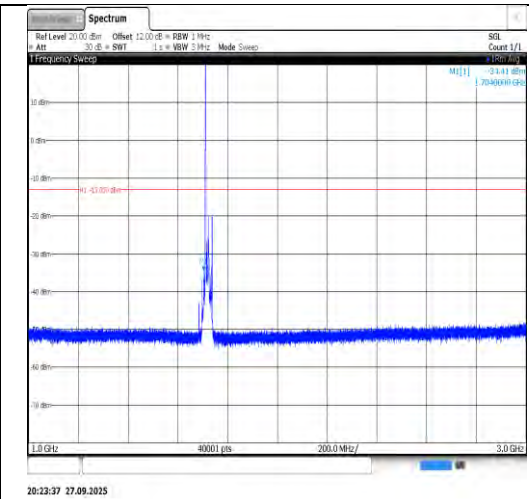
Band4-10MHz-QPSK-20350-1RB#0-
1000~3000-PASS



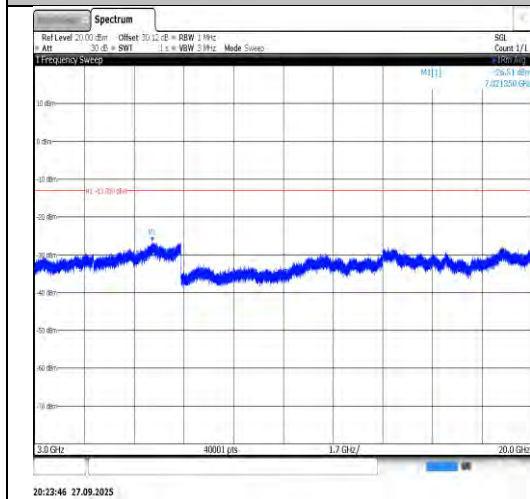




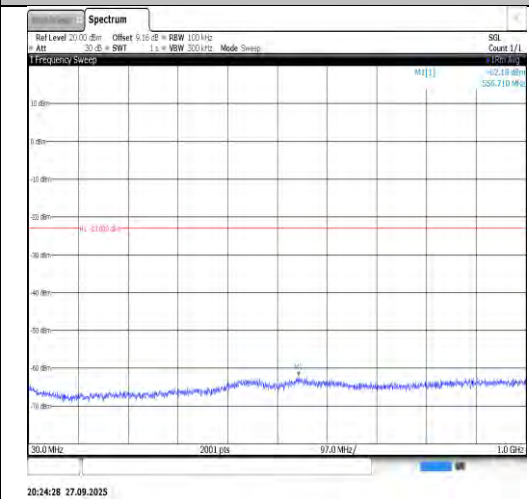
Band4-15MHz-QPSK-20025-1RB#0-
3000~20000-PASS



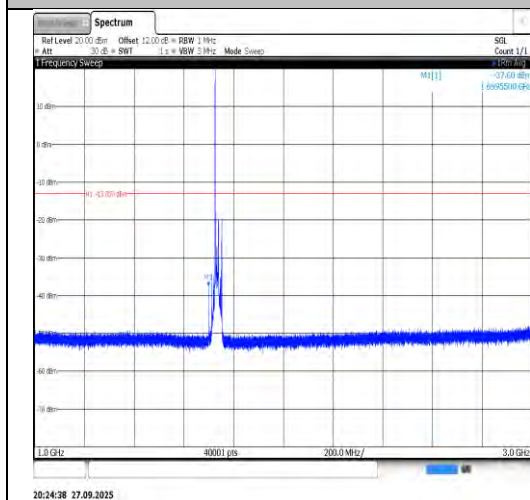
Band4-15MHz-QPSK-20175-1RB#0-30~1000-
PASS



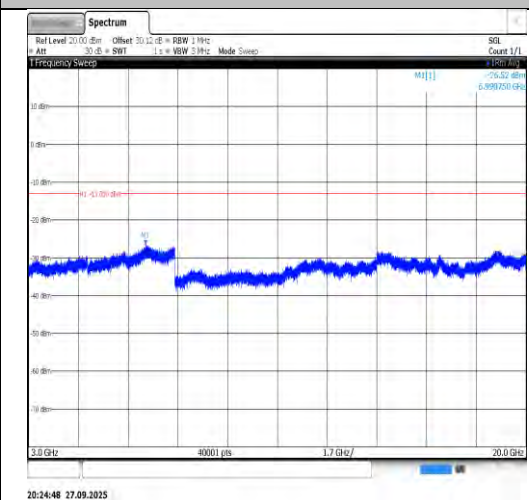
Band4-15MHz-QPSK-20175-1RB#0-
1000~3000-PASS



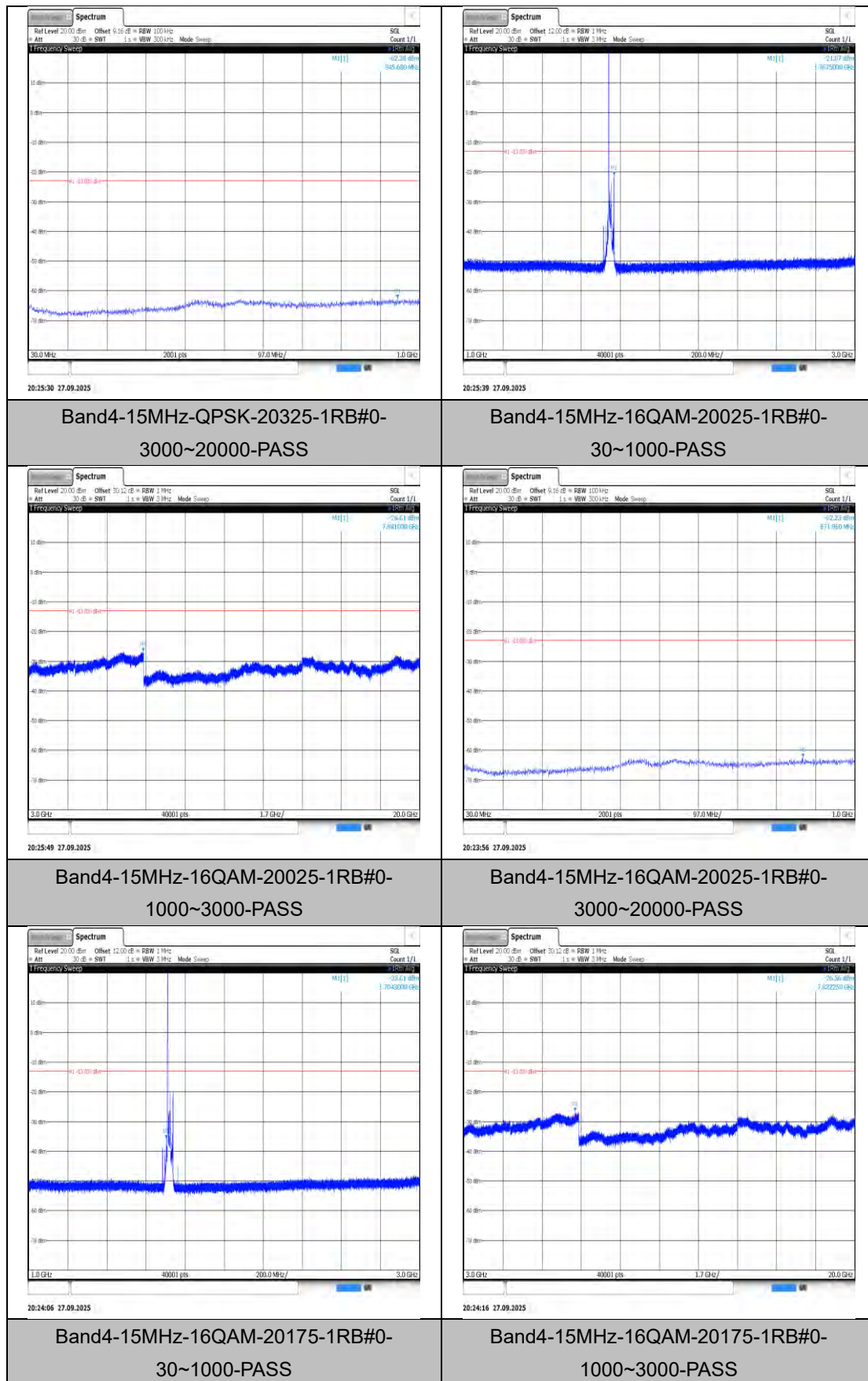
Band4-15MHz-QPSK-20175-1RB#0-
3000~20000-PASS

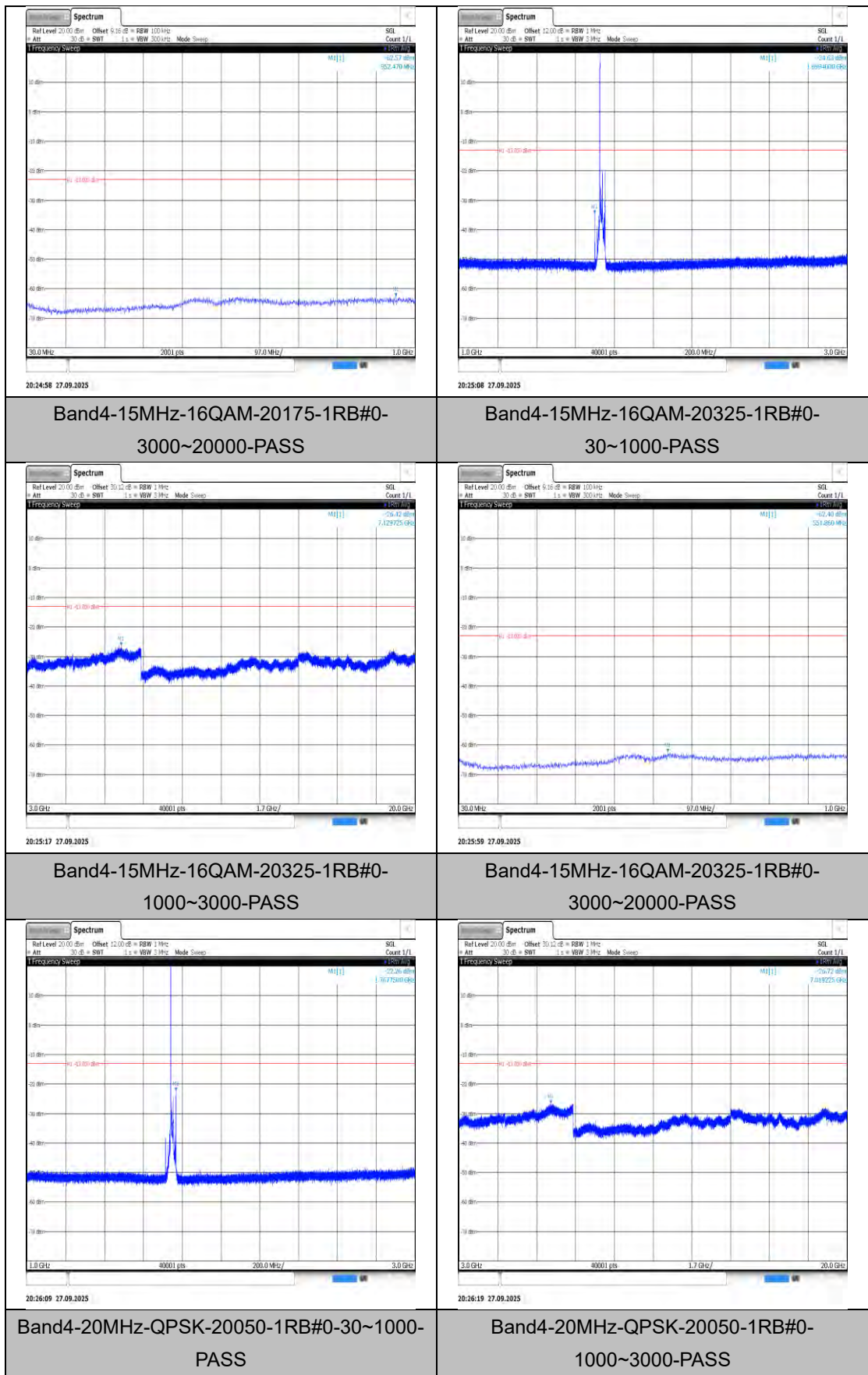


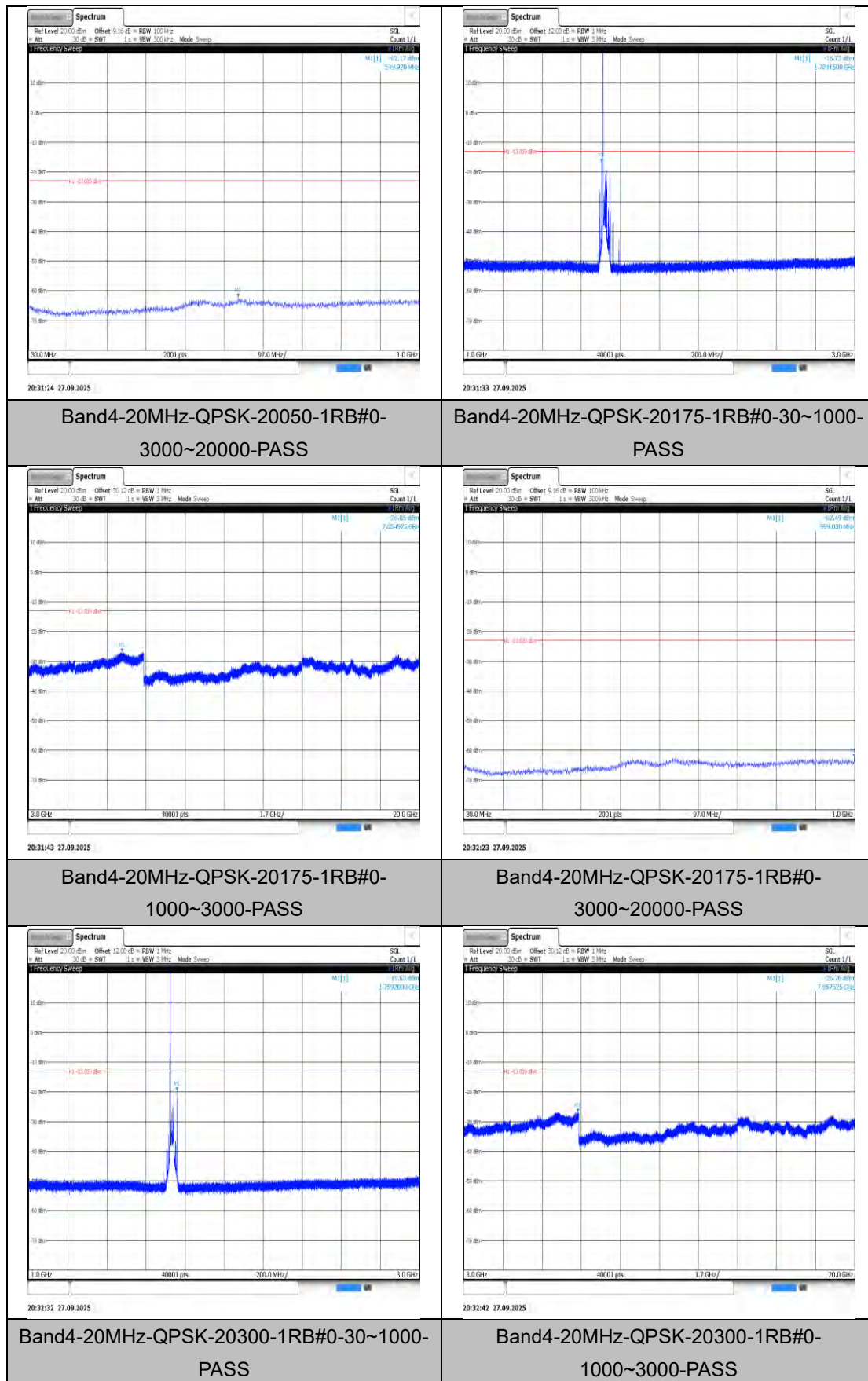
Band4-15MHz-QPSK-20325-1RB#0-30~1000-
PASS

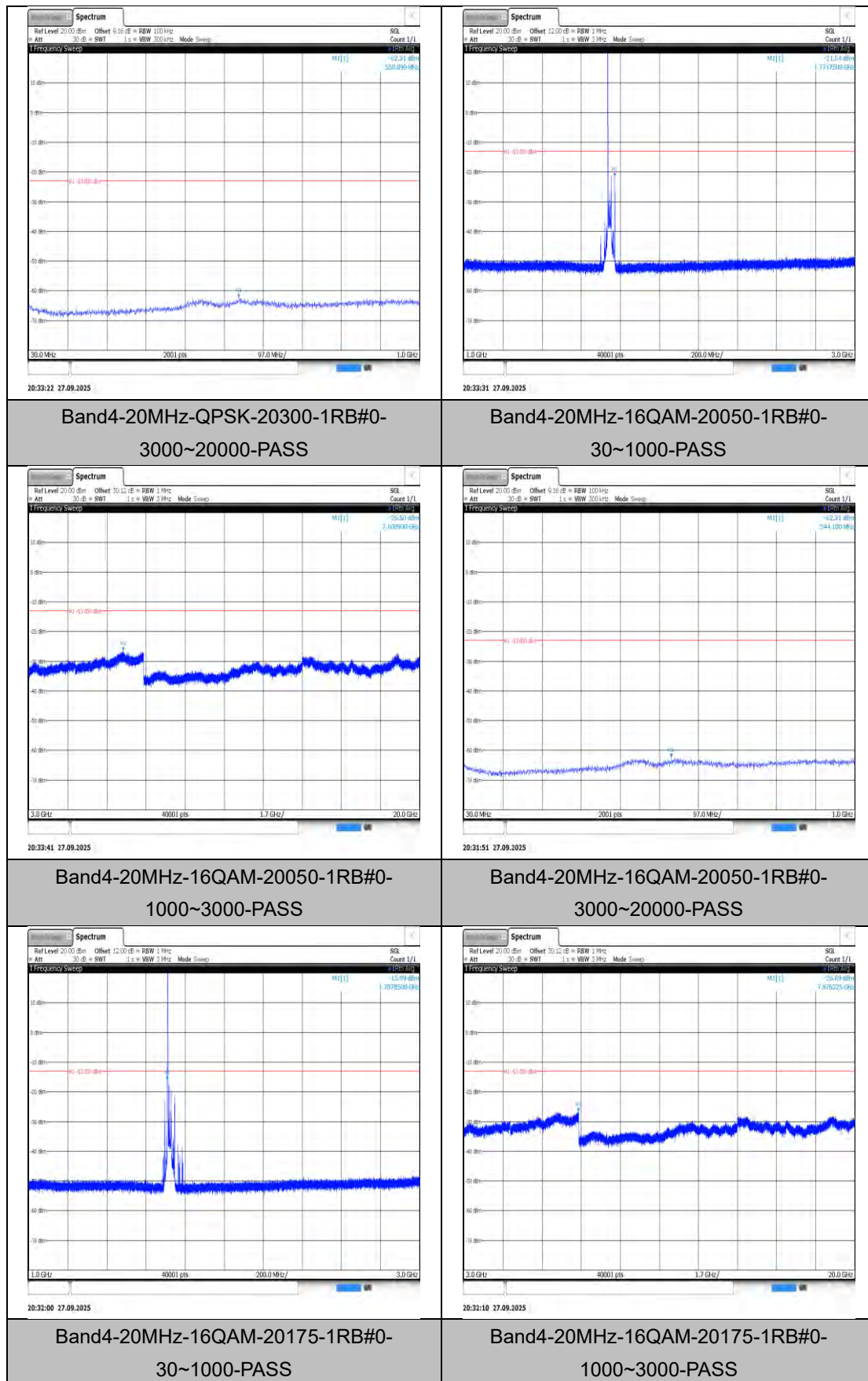


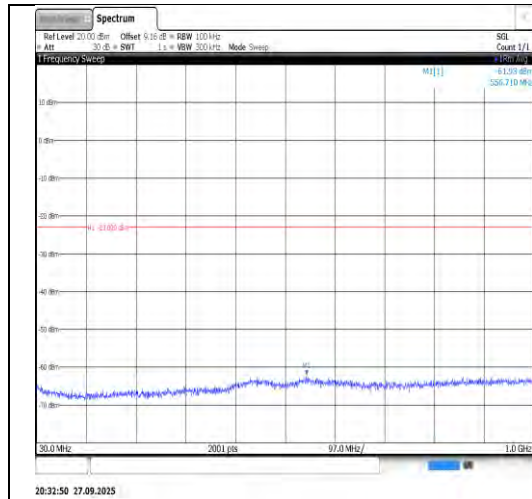
Band4-15MHz-QPSK-20325-1RB#0-
1000~3000-PASS



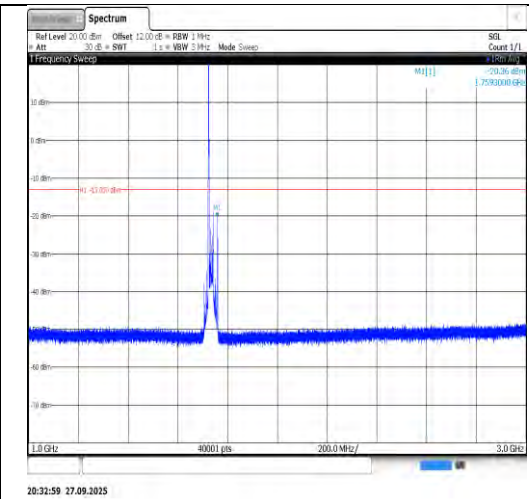




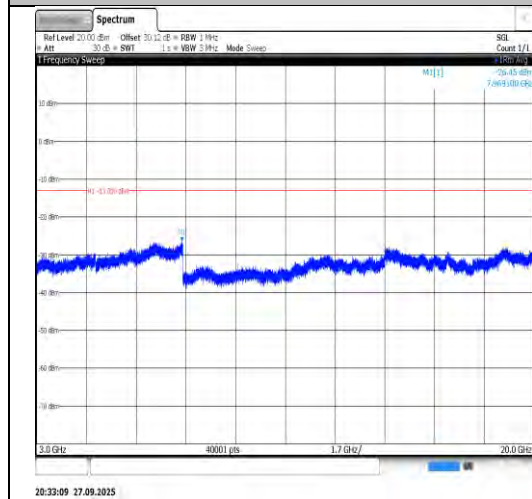




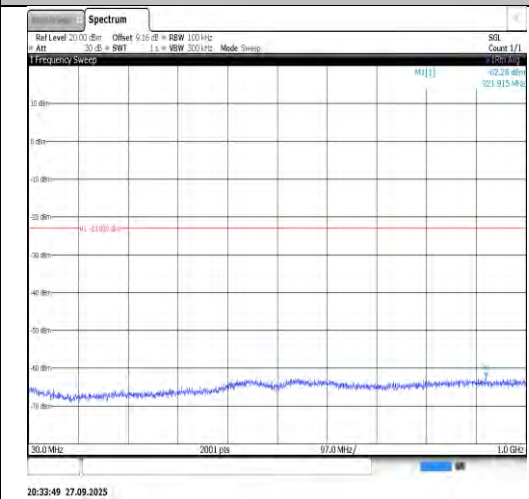
Band4-20MHz-16QAM-20175-1RB#0-
3000~20000-PASS



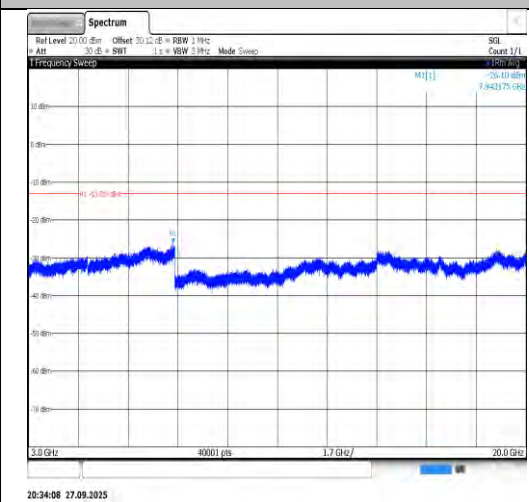
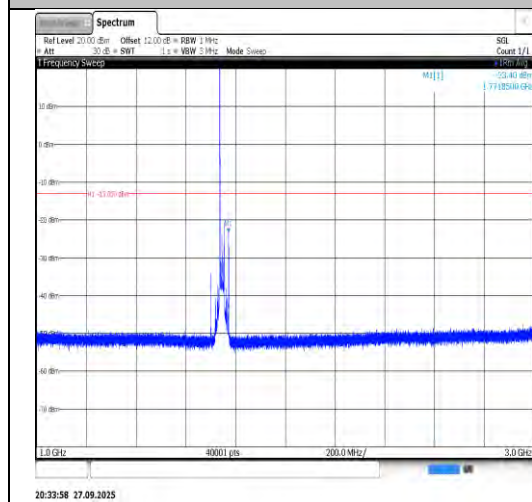
Band4-20MHz-16QAM-20300-1RB#0-
30~1000-PASS



Band4-20MHz-16QAM-20300-1RB#0-
1000~3000-PASS



Band4-20MHz-16QAM-20300-1RB#0-
3000~20000-PASS



Appendix E: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-20.24	-0.011683	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-11.07	-0.006390	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-11.33	-0.006540	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-29.83	-0.017218	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-16.59	-0.009576	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	5.05	0.002915	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-20.17	-0.011642	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-12.04	-0.006949	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-17.35	-0.010014	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-15.86	-0.009154	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	-9.36	-0.005403	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-12.83	-0.007405	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-14.58	-0.008416	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-11.06	-0.006384	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	-13.48	-0.007781	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	2.76	0.001593	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-15.08	-0.008704	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-12.32	-0.007111	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-14.46	-0.008346	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-19.80	-0.011429	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	3.68	0.002124	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-13.66	-0.007885	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-15.22	-0.008785	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	11.80	0.006811	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	8.25	0.004762	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	-3.99	-0.002303	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	-9.47	-0.005466	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-13.72	-0.007919	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-14.38	-0.008300	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	-15.75	-0.009091	±2.5	PASS

Band4	3MHz	QPSK	20175	15RB#0	NV	0	-17.17	-0.009911	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-13.93	-0.008040	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-16.04	-0.009258	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	4.91	0.002834	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	-13.53	-0.007810	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	6.61	0.003815	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	6.71	0.003873	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-17.60	-0.010159	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	6.28	0.003625	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	-10.07	-0.005812	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-11.34	-0.006545	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-13.83	-0.007983	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	-18.02	-0.010401	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-4.29	-0.002476	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-7.02	-0.004052	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	-6.44	-0.003717	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-10.13	-0.005847	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-10.51	-0.006066	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	4.81	0.002776	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-7.74	-0.004468	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-12.29	-0.007094	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-8.44	-0.004872	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-6.74	-0.003890	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-14.28	-0.008242	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	6.02	0.003475	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-6.47	-0.003734	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	-16.42	-0.009478	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-13.07	-0.007544	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-11.69	-0.006747	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-9.61	-0.005547	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	-12.45	-0.007186	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-14.88	-0.008589	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-23.39	-0.013501	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-22.99	-0.013270	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-9.38	-0.005414	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-8.83	-0.005097	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-17.38	-0.010032	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-4.65	-0.002684	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-5.31	-0.003065	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-11.33	-0.006540	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-13.10	-0.007561	±2.5	PASS

Band4	20MHz	QPSK	20175	100RB#0	NV	50	-8.96	-0.005172	±2.5	PASS
-------	-------	------	-------	---------	----	----	-------	-----------	------	------