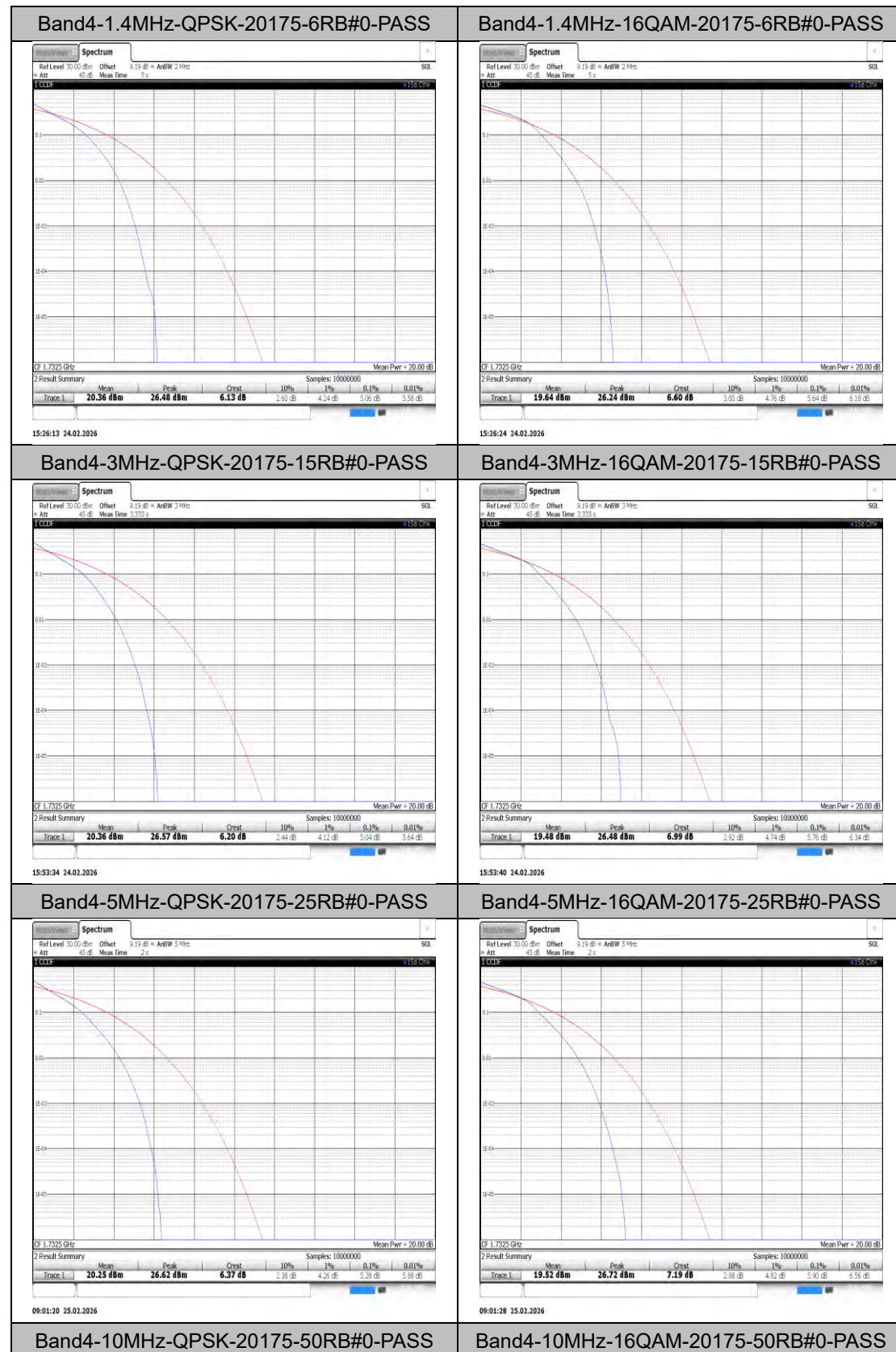


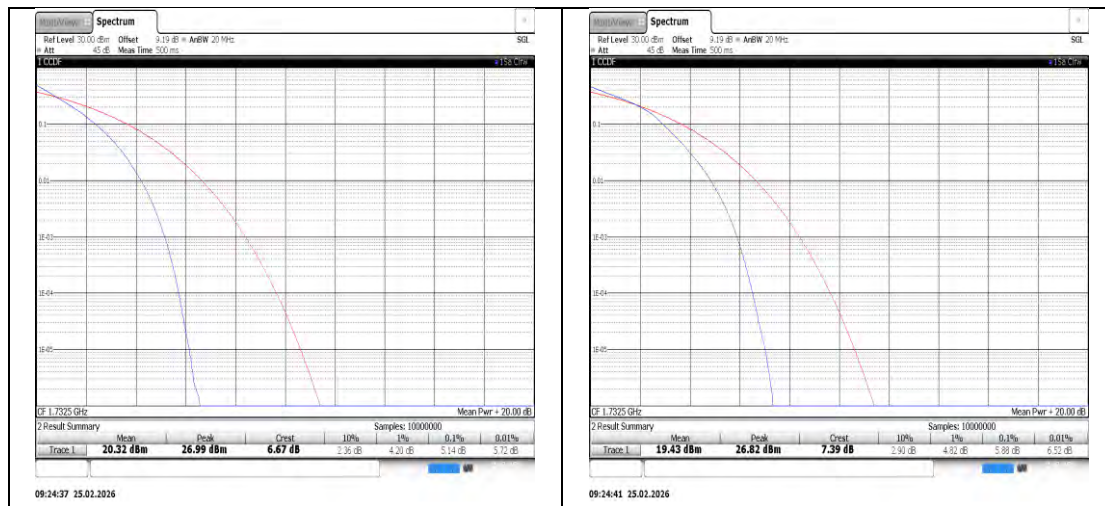
Appendix A: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	5.06	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.64	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.04	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.76	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.28	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.90	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.12	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.86	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.22	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.16	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.22	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.72	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.14	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.88	13	PASS

Test Graphs





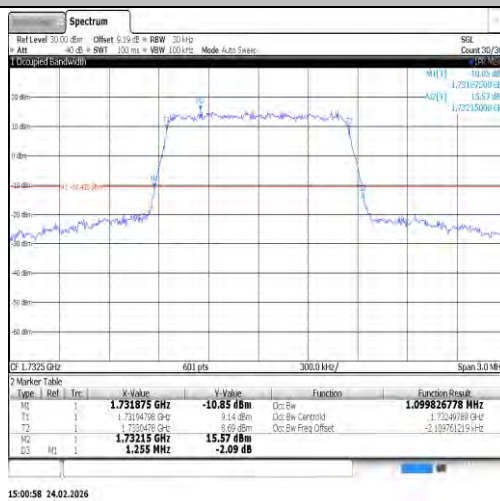
Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

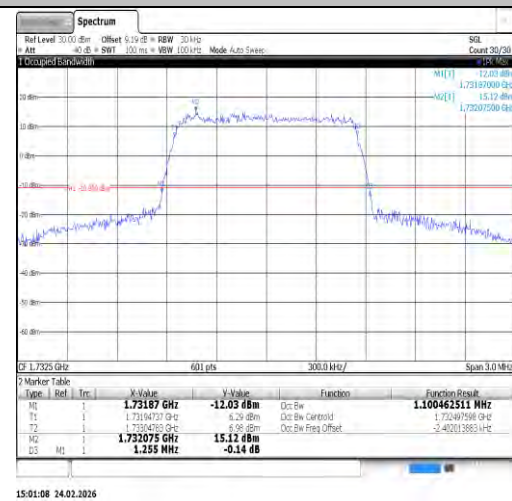
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	20175	6RB#0	1.1	1.26	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.1	1.26	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.711	3.04	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.709	3.03	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.524	4.99	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.511	5.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.995	9.90	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.989	10.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.508	15.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.489	15.05	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.06	19.87	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.041	20.13	PASS

Test Graphs

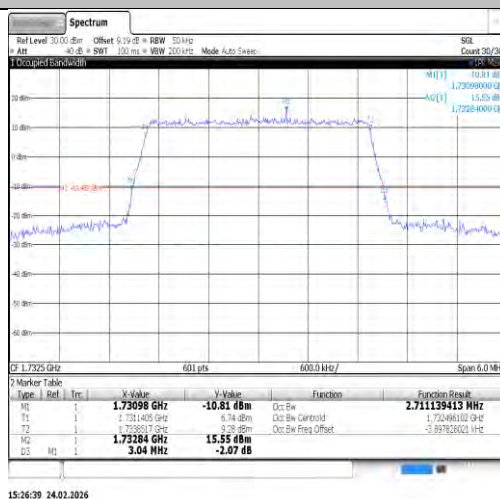
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



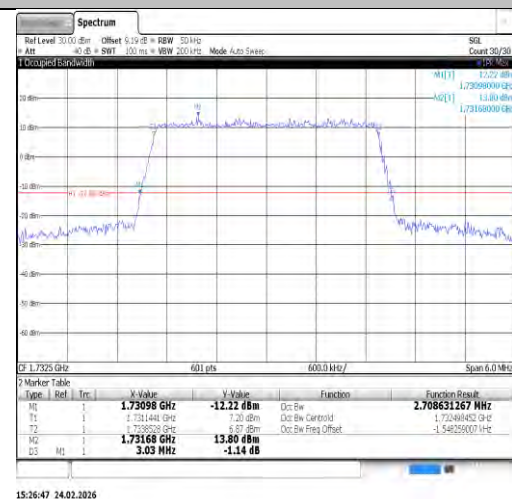
Band4-1.4MHz-16QAM-20175-6RB#0-PASS



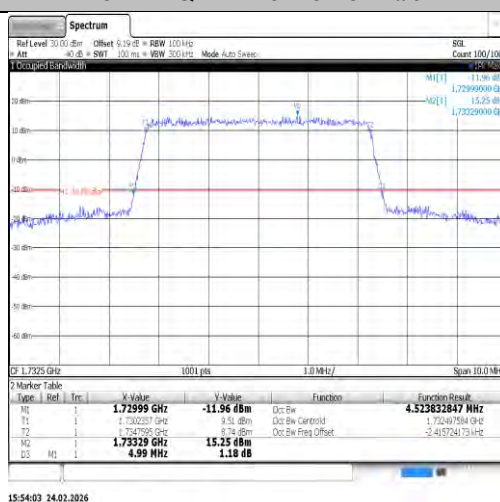
Band4-3MHz-QPSK-20175-15RB#0-PASS



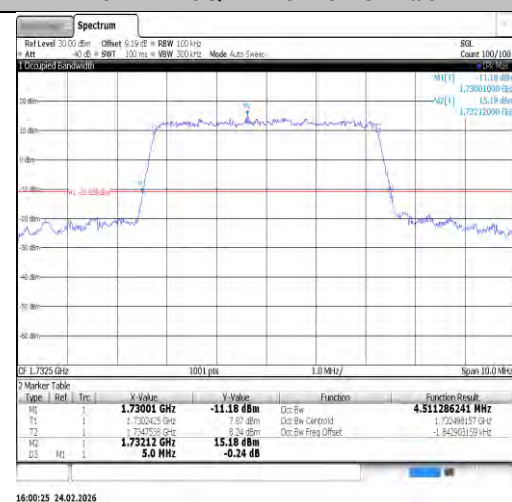
Band4-3MHz-16QAM-20175-15RB#0-PASS



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

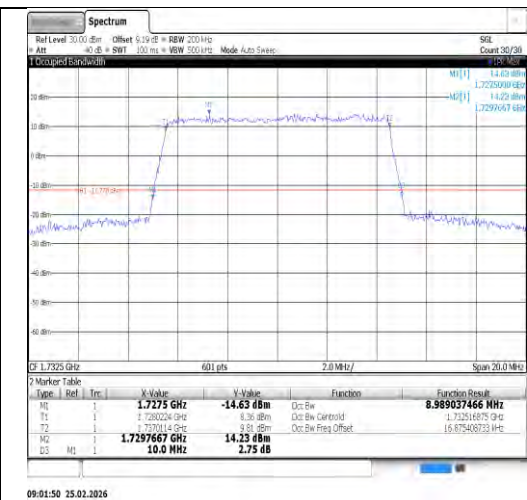
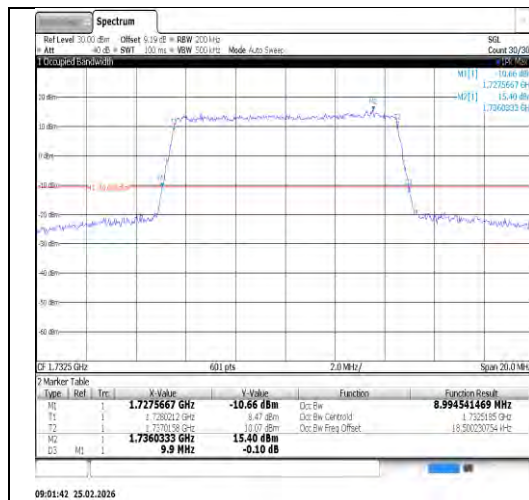


Band4-5MHz-16QAM-20175-25RB#0-PASS



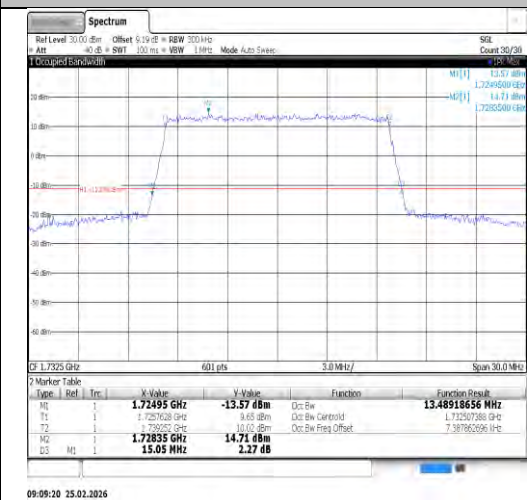
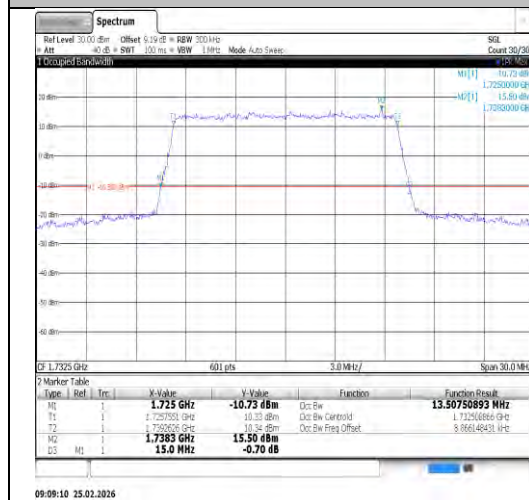
Band4-10MHz-QPSK-20175-50RB#0-PASS

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



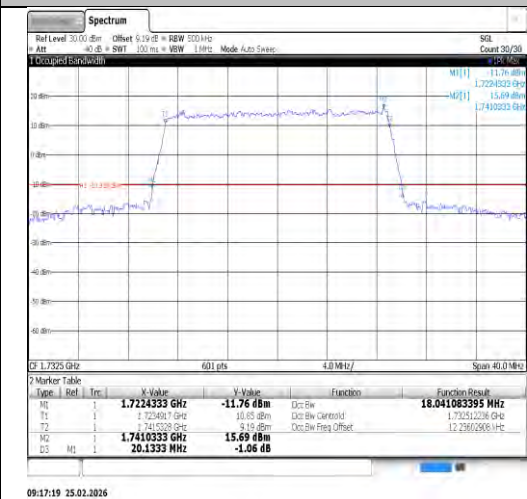
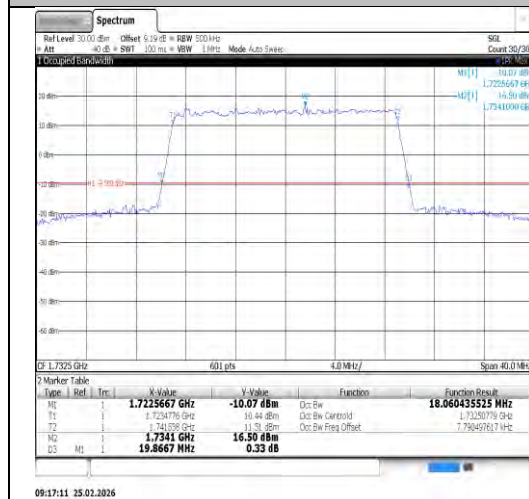
Band4-15MHz-QPSK-20175-75RB#0-PASS

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

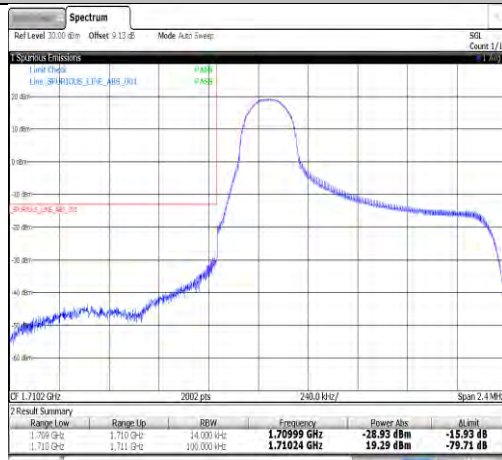
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-28.93	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-46.25	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-34.23	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-44.96	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-27.72	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-34.78	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-28.27	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-47.31	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-34.42	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-45.20	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-29.02	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-34.60	PASS
Band4	3MHz	QPSK	19965	1RB#0	-16.30	PASS
Band4	3MHz	QPSK	19965	1RB#14	-30.09	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.71	PASS
Band4	3MHz	QPSK	20385	1RB#0	-30.81	PASS
Band4	3MHz	QPSK	20385	1RB#14	-17.08	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.56	PASS
Band4	3MHz	16QAM	19965	1RB#0	-18.48	PASS
Band4	3MHz	16QAM	19965	1RB#14	-30.73	PASS
Band4	3MHz	16QAM	19965	15RB#0	-27.78	PASS
Band4	3MHz	16QAM	20385	1RB#0	-31.84	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.49	PASS
Band4	3MHz	16QAM	20385	15RB#0	-27.82	PASS
Band4	5MHz	QPSK	19975	1RB#0	-22.09	PASS
Band4	5MHz	QPSK	19975	1RB#24	-40.14	PASS
Band4	5MHz	QPSK	19975	25RB#0	-32.72	PASS
Band4	5MHz	QPSK	20375	1RB#0	-40.09	PASS
Band4	5MHz	QPSK	20375	1RB#24	-21.59	PASS
Band4	5MHz	QPSK	20375	25RB#0	-32.58	PASS
Band4	5MHz	16QAM	19975	1RB#0	-23.28	PASS
Band4	5MHz	16QAM	19975	1RB#24	-40.85	PASS
Band4	5MHz	16QAM	19975	25RB#0	-33.06	PASS
Band4	5MHz	16QAM	20375	1RB#0	-41.02	PASS
Band4	5MHz	16QAM	20375	1RB#24	-23.37	PASS
Band4	5MHz	16QAM	20375	25RB#0	-33.32	PASS
Band4	10MHz	QPSK	20000	1RB#0	-24.98	PASS

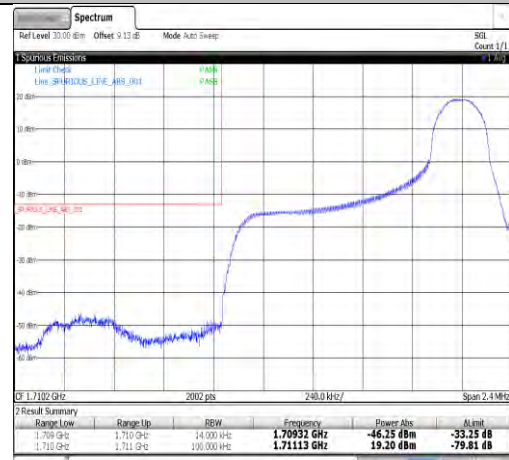
Band4	10MHz	QPSK	20000	1RB#49	-43.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	-35.42	PASS
Band4	10MHz	QPSK	20350	1RB#0	-43.54	PASS
Band4	10MHz	QPSK	20350	1RB#49	-24.34	PASS
Band4	10MHz	QPSK	20350	50RB#0	-35.89	PASS
Band4	10MHz	16QAM	20000	1RB#0	-26.06	PASS
Band4	10MHz	16QAM	20000	1RB#49	-42.90	PASS
Band4	10MHz	16QAM	20000	50RB#0	-35.20	PASS
Band4	10MHz	16QAM	20350	1RB#0	-44.65	PASS
Band4	10MHz	16QAM	20350	1RB#49	-25.03	PASS
Band4	10MHz	16QAM	20350	50RB#0	-35.84	PASS
Band4	15MHz	QPSK	20025	1RB#0	-24.04	PASS
Band4	15MHz	QPSK	20025	1RB#74	-45.46	PASS
Band4	15MHz	QPSK	20025	75RB#0	-35.32	PASS
Band4	15MHz	QPSK	20325	1RB#0	-45.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	-24.21	PASS
Band4	15MHz	QPSK	20325	75RB#0	-33.27	PASS
Band4	15MHz	16QAM	20025	1RB#0	-24.41	PASS
Band4	15MHz	16QAM	20025	1RB#74	-45.39	PASS
Band4	15MHz	16QAM	20025	75RB#0	-35.24	PASS
Band4	15MHz	16QAM	20325	1RB#0	-45.09	PASS
Band4	15MHz	16QAM	20325	1RB#74	-25.29	PASS
Band4	15MHz	16QAM	20325	75RB#0	-35.11	PASS
Band4	20MHz	QPSK	20050	1RB#0	-27.21	PASS
Band4	20MHz	QPSK	20050	1RB#99	-45.29	PASS
Band4	20MHz	QPSK	20050	100RB#0	-36.10	PASS
Band4	20MHz	QPSK	20300	1RB#0	-28.75	PASS
Band4	20MHz	QPSK	20300	1RB#99	-26.32	PASS
Band4	20MHz	QPSK	20300	100RB#0	-34.71	PASS
Band4	20MHz	16QAM	20050	1RB#0	-26.77	PASS
Band4	20MHz	16QAM	20050	1RB#99	-45.47	PASS
Band4	20MHz	16QAM	20050	100RB#0	-36.66	PASS
Band4	20MHz	16QAM	20300	1RB#0	-29.89	PASS
Band4	20MHz	16QAM	20300	1RB#99	-27.94	PASS
Band4	20MHz	16QAM	20300	100RB#0	-36.29	PASS

Test Graphs

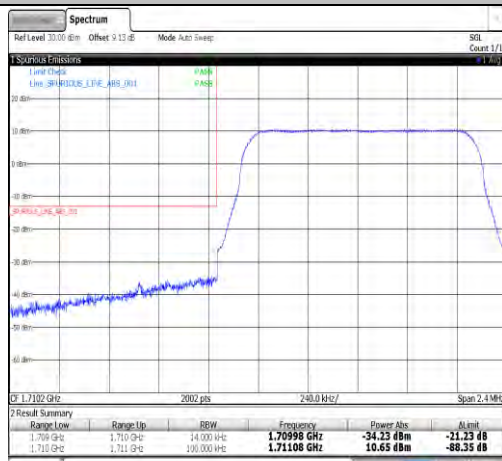
Band4-1.4MHz-QPSK-19957-1RB#0-PASS



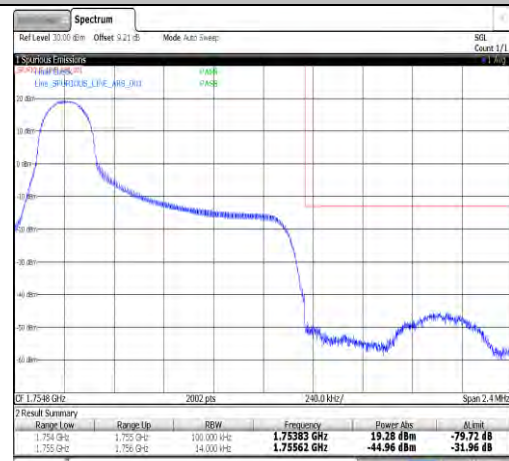
Band4-1.4MHz-QPSK-19957-1RB#5-PASS



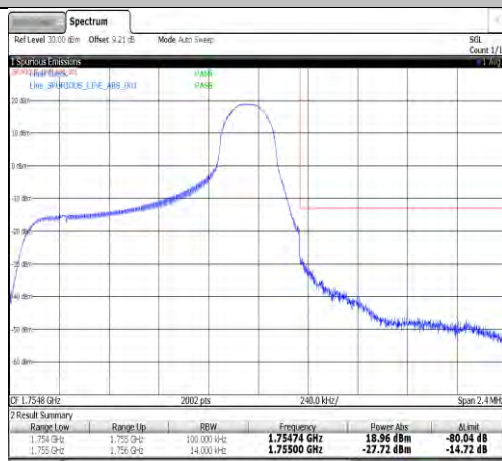
Band4-1.4MHz-QPSK-19957-6RB#0-PASS



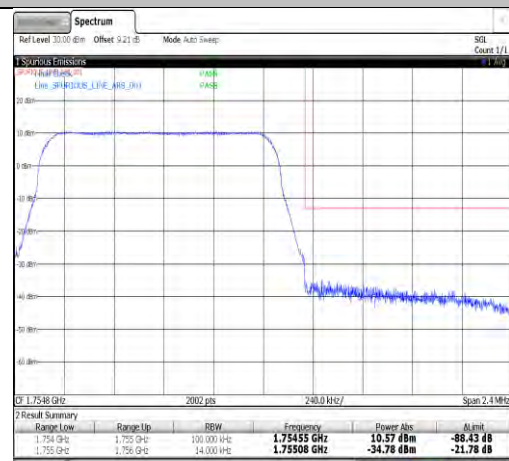
Band4-1.4MHz-QPSK-20393-1RB#0-PASS



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

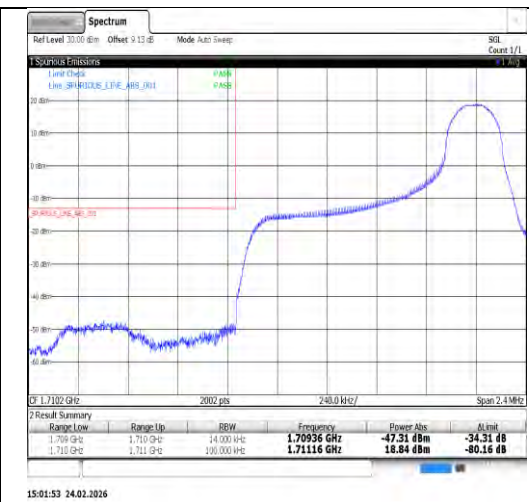
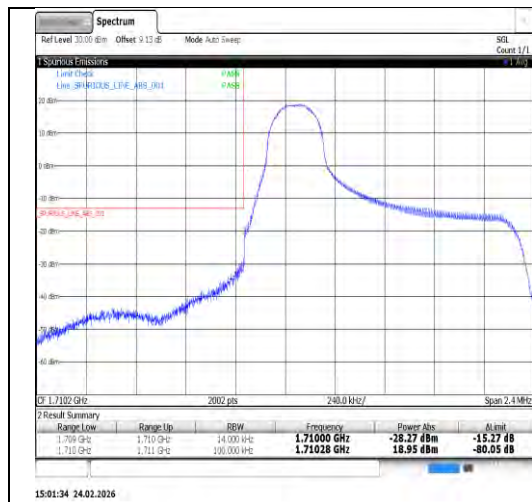


Band4-1.4MHz-QPSK-20393-6RB#0-PASS



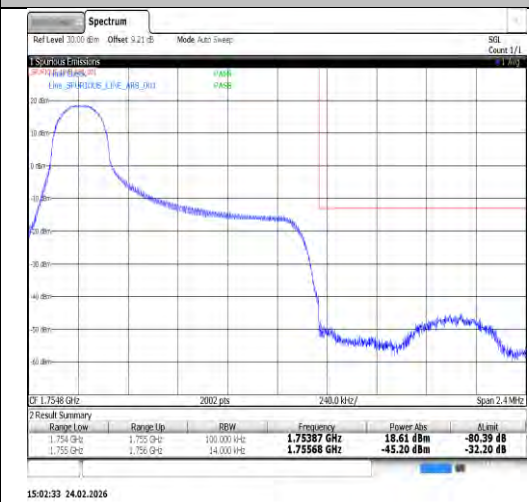
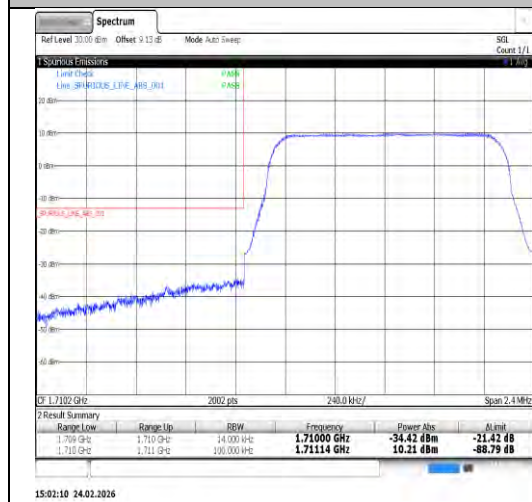
Band4-1.4MHz-16QAM-19957-1RB#0-PASS

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



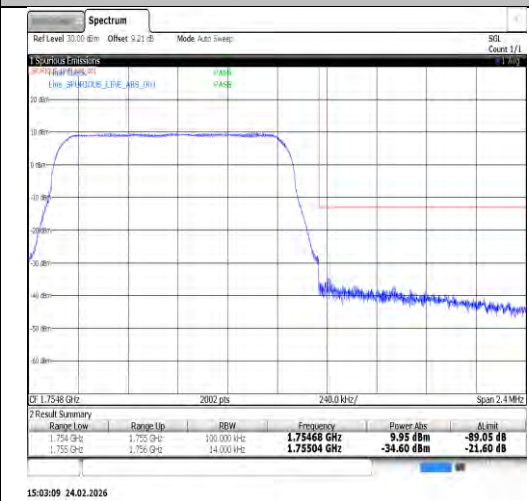
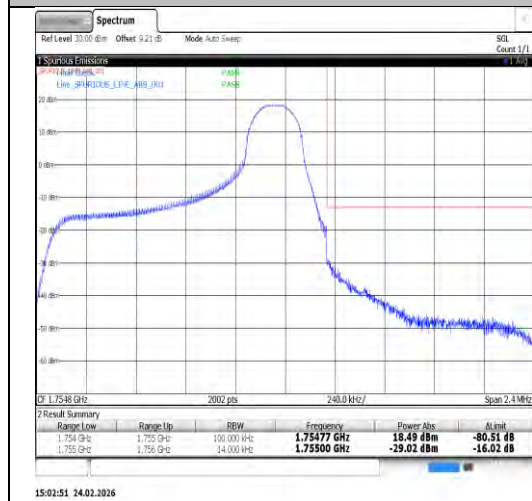
Band4-1.4MHz-16QAM-19957-6RB#0-PASS

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



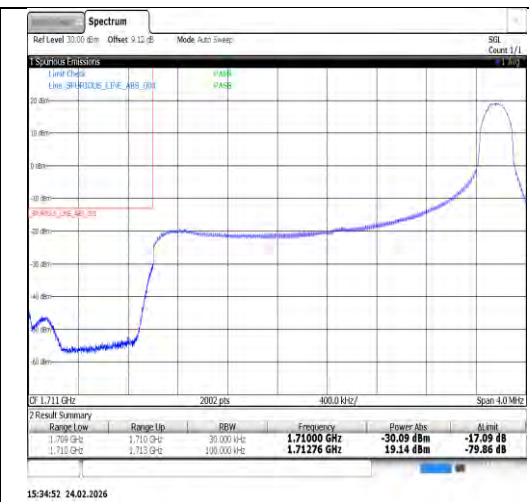
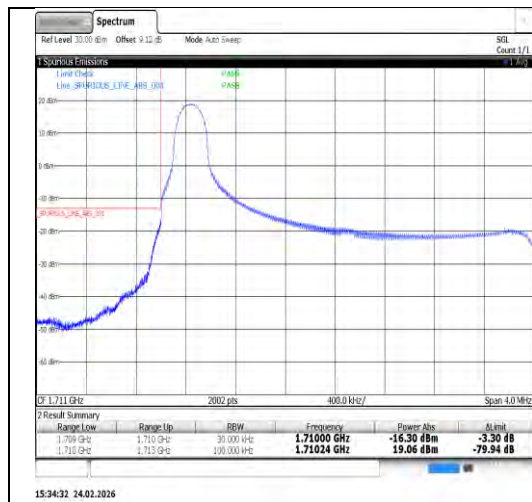
Band4-1.4MHz-16QAM-20393-1RB#5-PASS

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



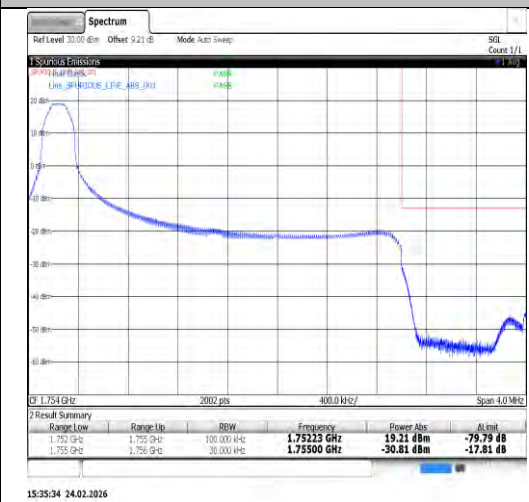
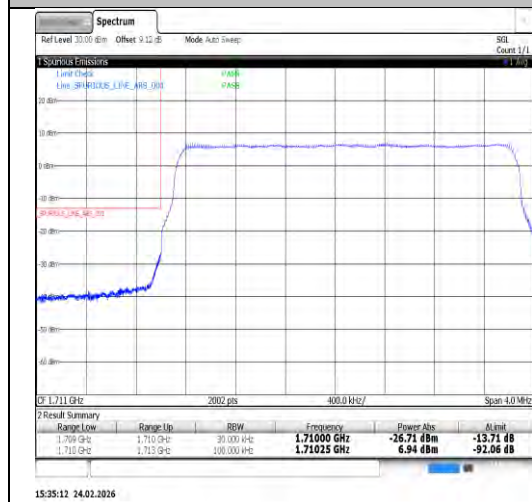
Band4-3MHz-QPSK-19965-1RB#0-PASS

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



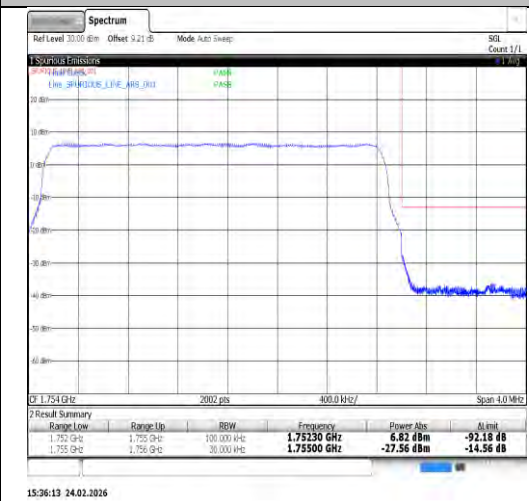
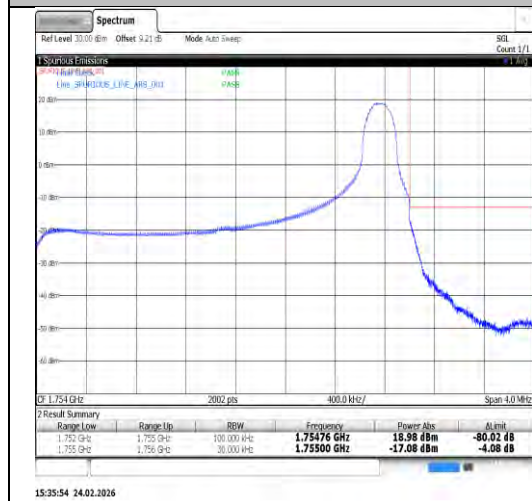
Band4-3MHz-QPSK-19965-15RB#0-PASS

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



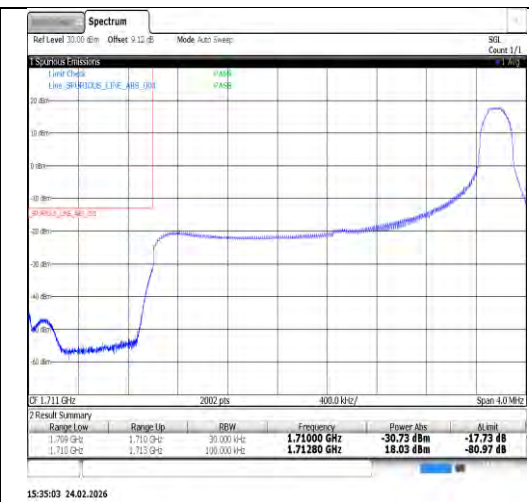
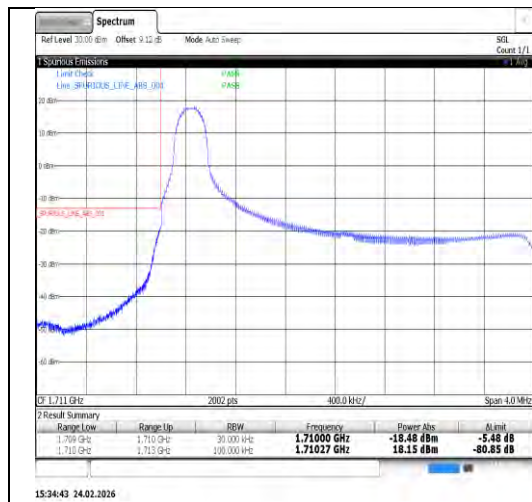
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Band4-3MHz-QPSK-20385-15RB#0-PASS



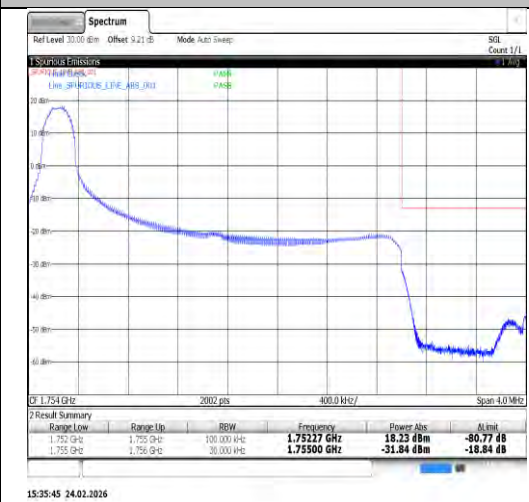
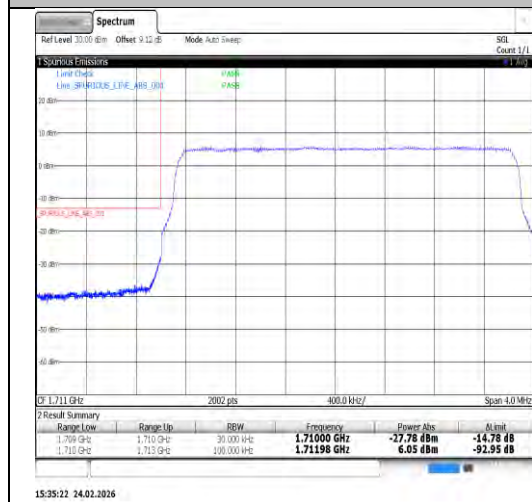
Band4-3MHz-16QAM-19965-1RB#0-PASS

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



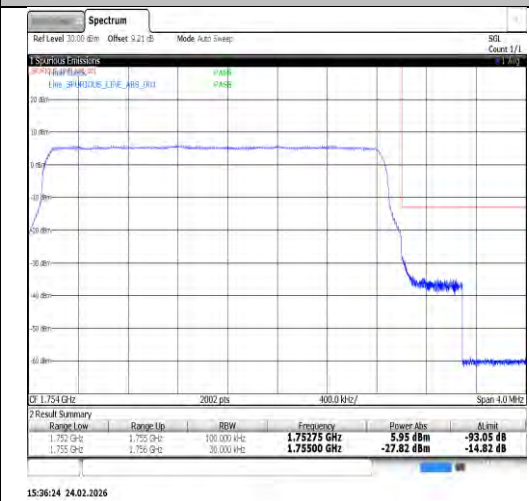
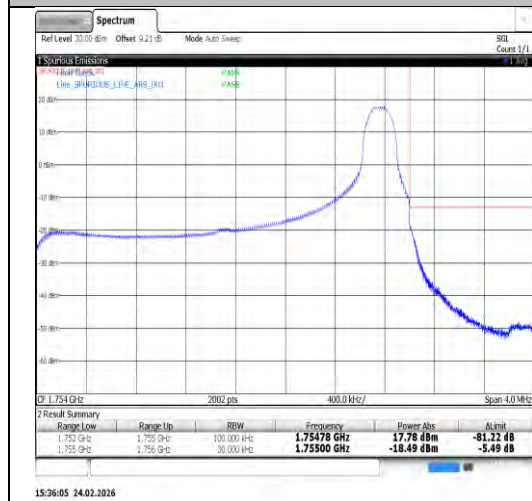
Band4-3MHz-16QAM-19965-15RB#0-PASS

Band4-3MHz-16QAM-20385-1RB#0-PASS



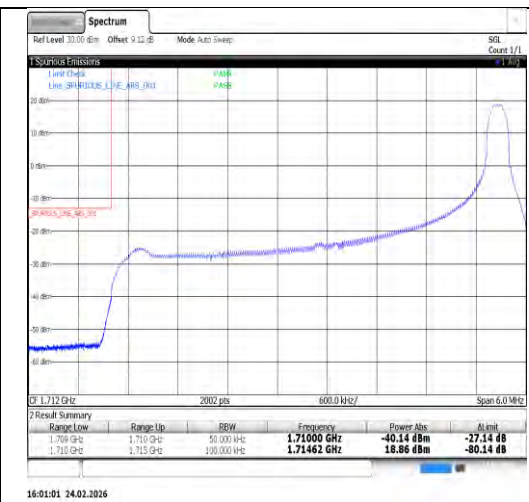
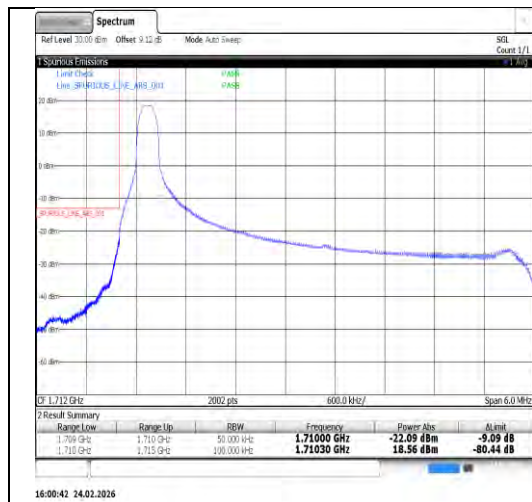
Band4-3MHz-16QAM-20385-1RB#14-PASS

Band4-3MHz-16QAM-20385-15RB#0-PASS



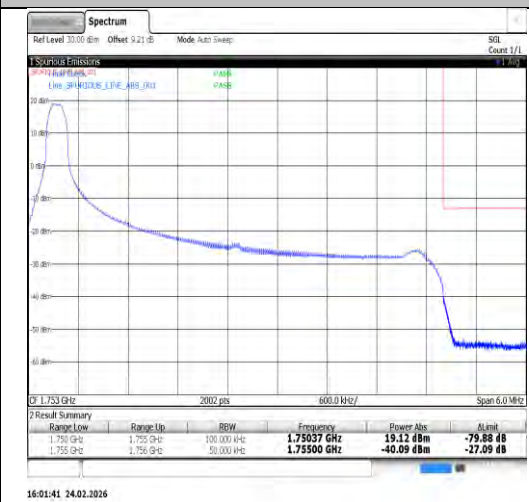
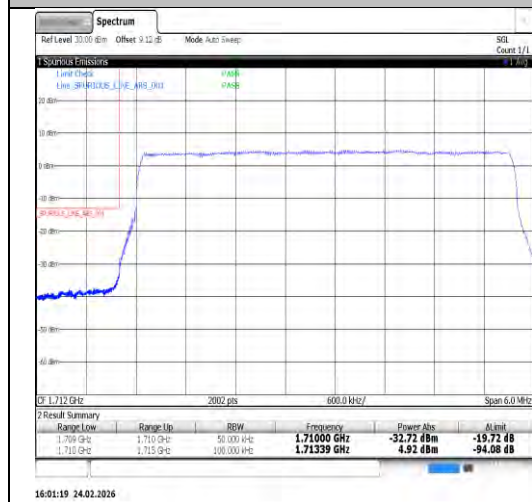
Band4-5MHz-QPSK-19975-1RB#0-PASS

Band4-5MHz-QPSK-19975-1RB#24-PASS



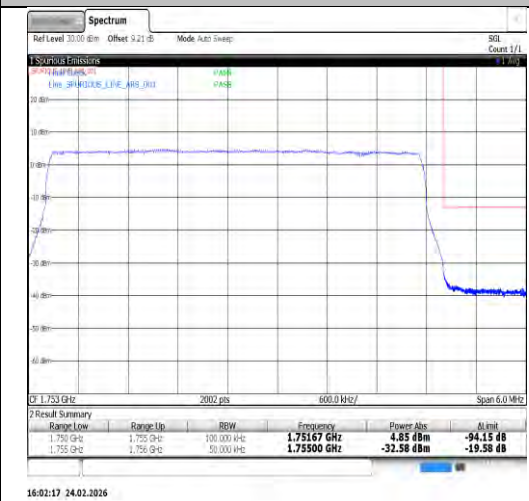
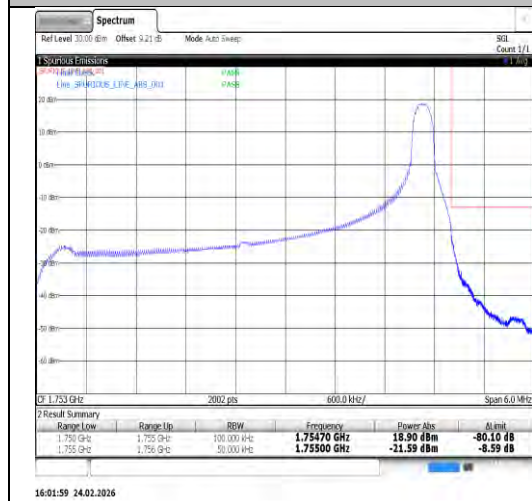
Band4-5MHz-QPSK-19975-25RB#0-PASS

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



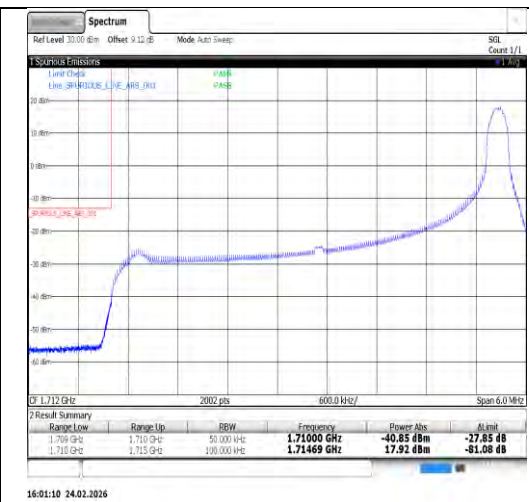
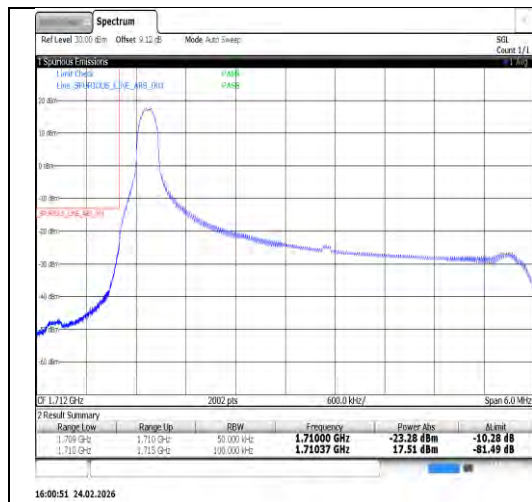
Band4-5MHz-QPSK-20375-1RB#24-PASS

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



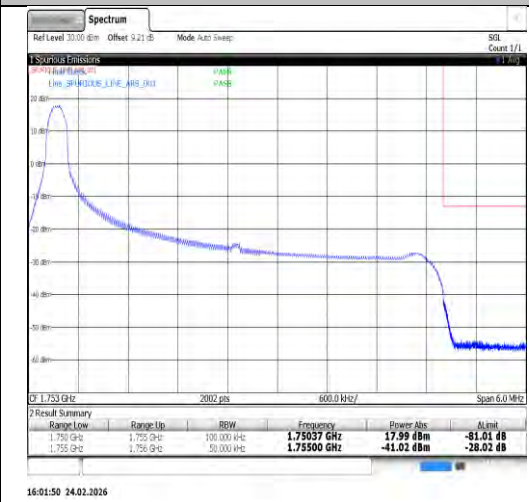
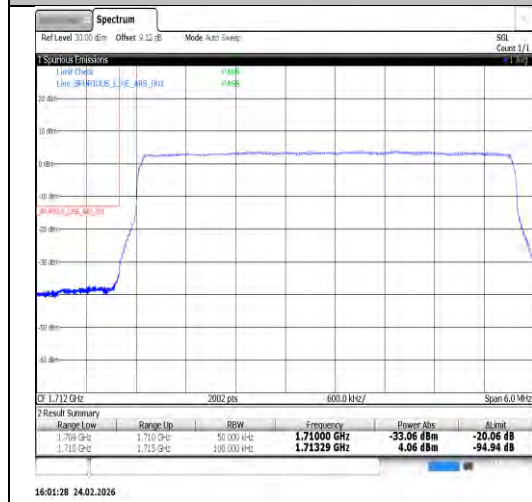
Band4-5MHz-16QAM-19975-1RB#0-PASS

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



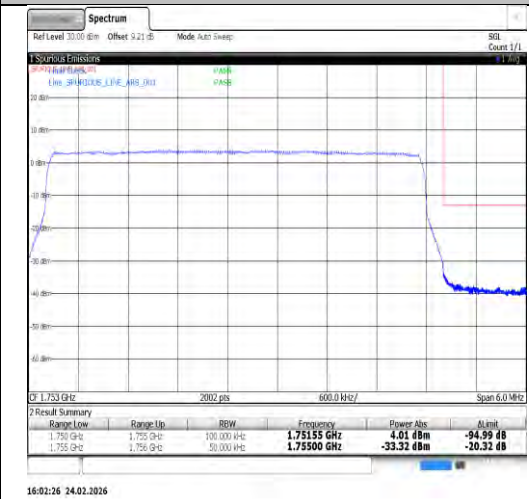
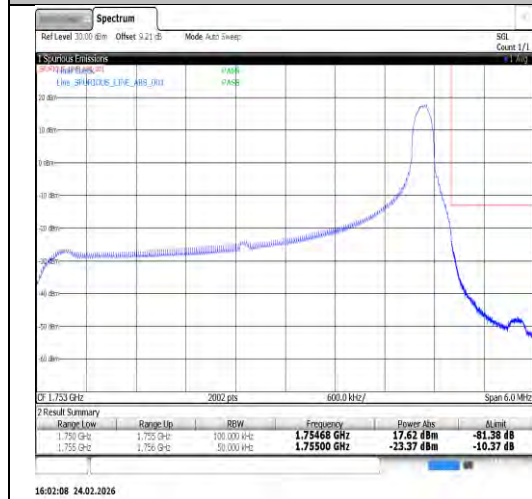
Band4-5MHz-16QAM-19975-25RB#0-PASS

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



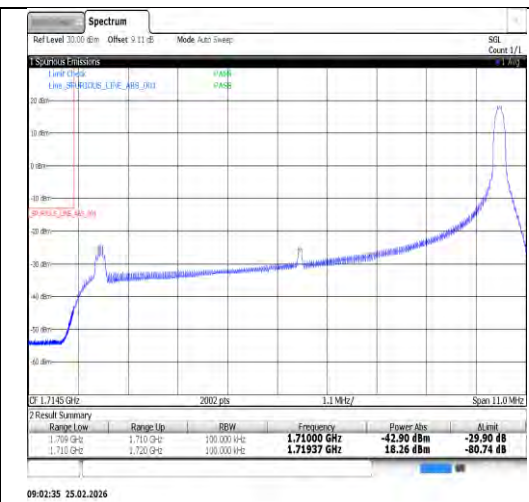
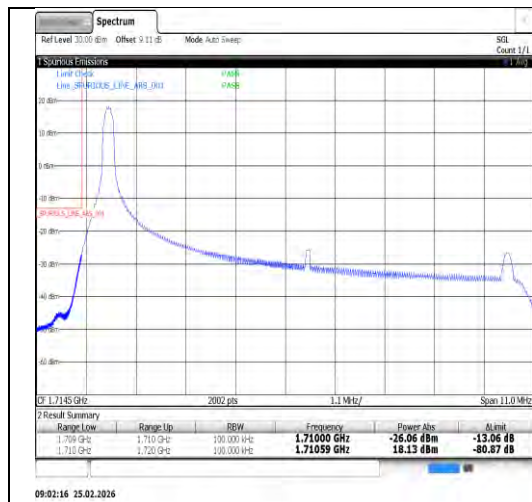
Band4-5MHz-16QAM-20375-1RB#24-PASS

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



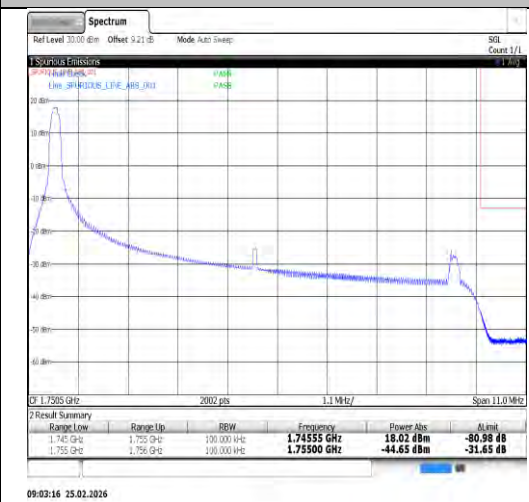
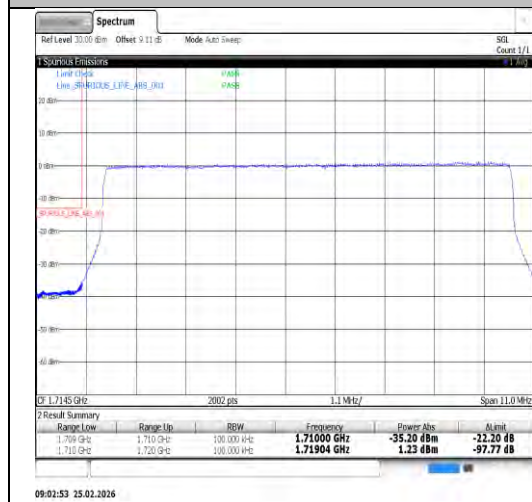
Band4-10MHz-QPSK-20000-1RB#0-PASS

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



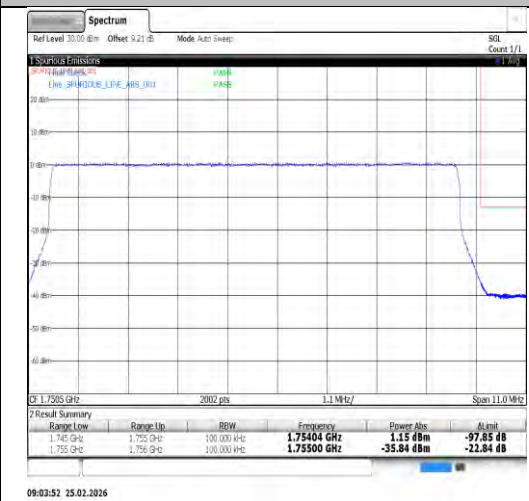
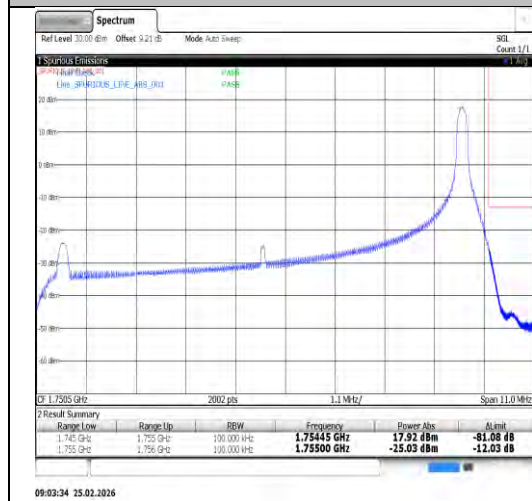
Band4-10MHz-16QAM-20000-50RB#0-PASS

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



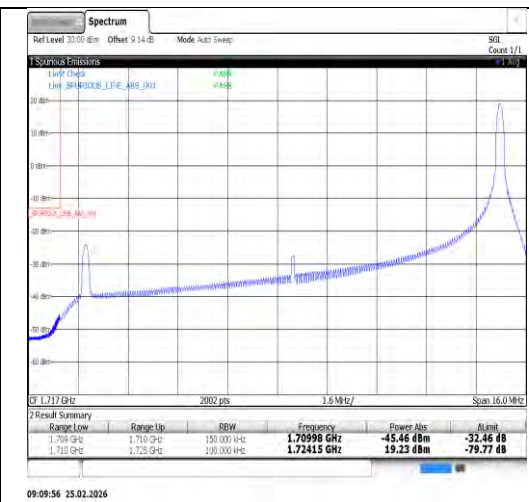
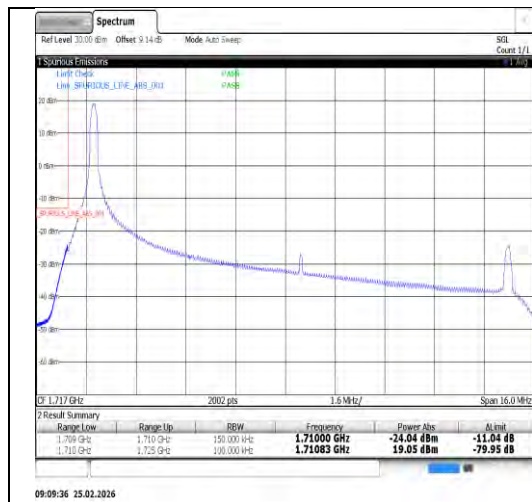
Band4-10MHz-16QAM-20350-1RB#49-PASS

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



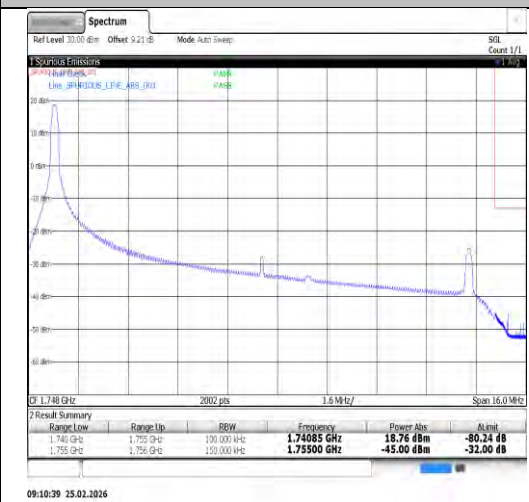
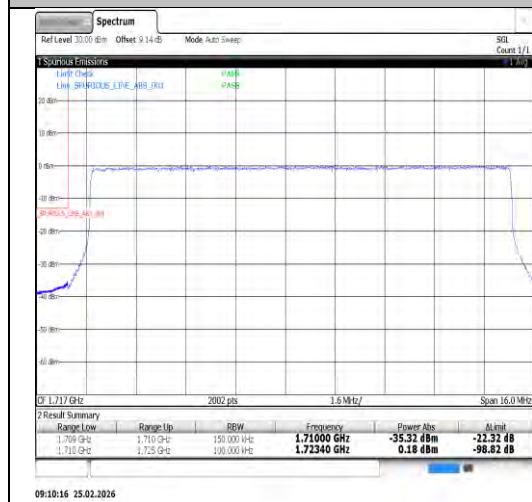
Band4-15MHz-QPSK-20025-1RB#0-PASS

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



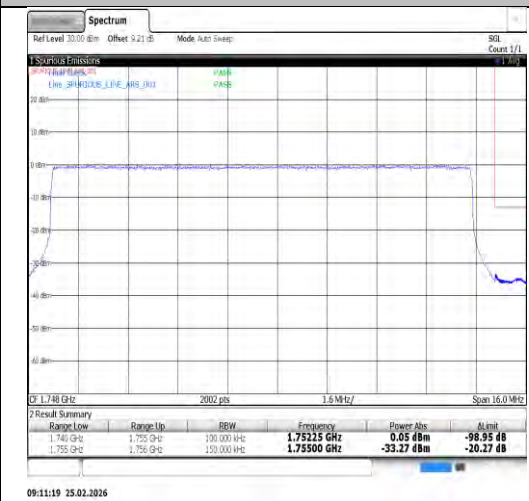
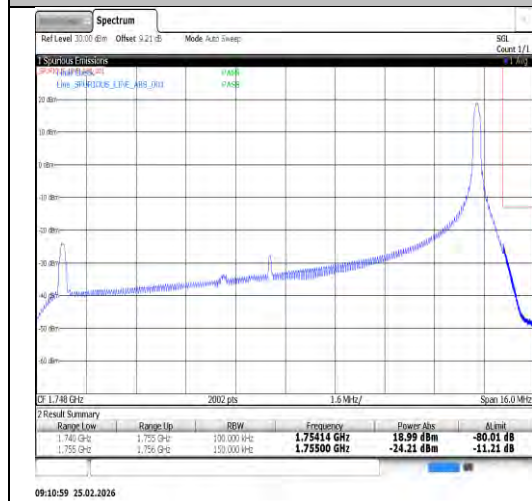
Band4-15MHz-QPSK-20025-75RB#0-PASS

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



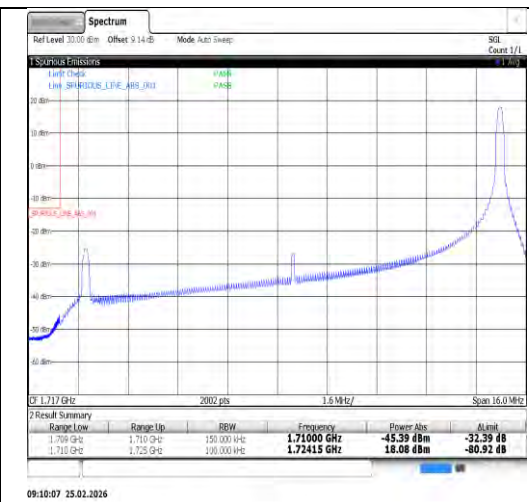
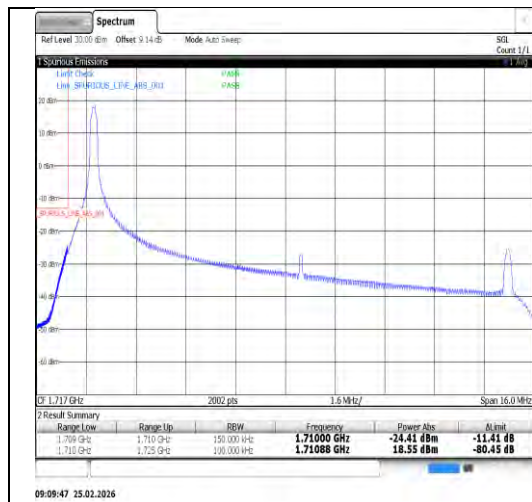
Band4-15MHz-QPSK-20325-1RB#74-PASS

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



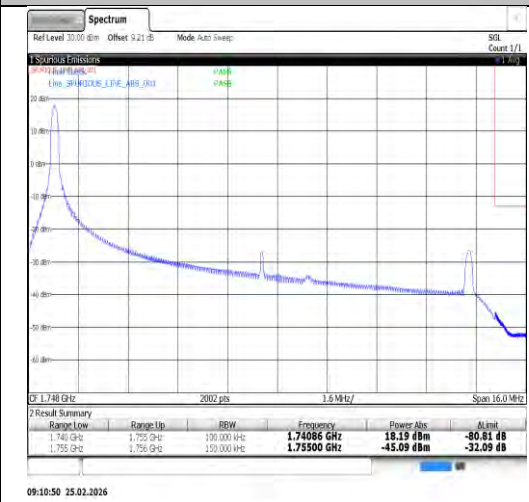
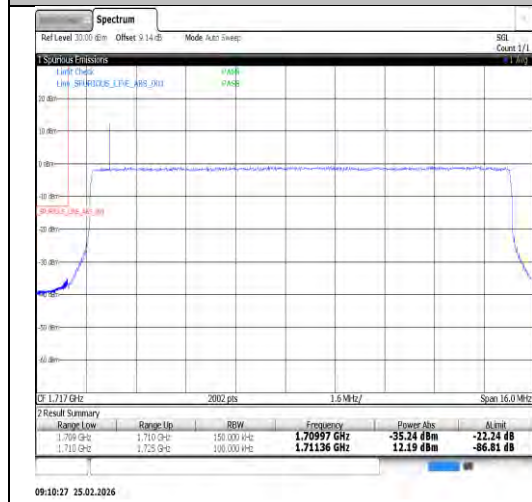
Band4-15MHz-16QAM-20025-1RB#0-PASS

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



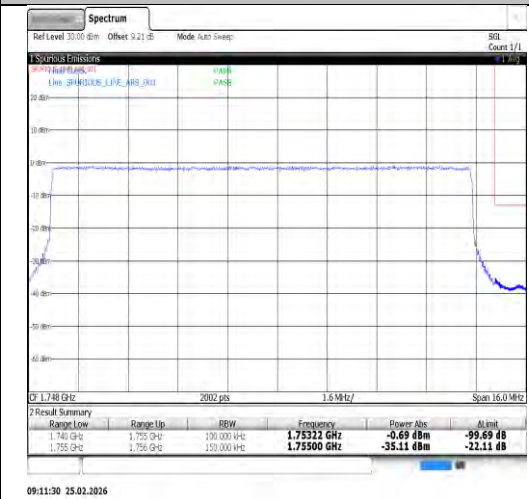
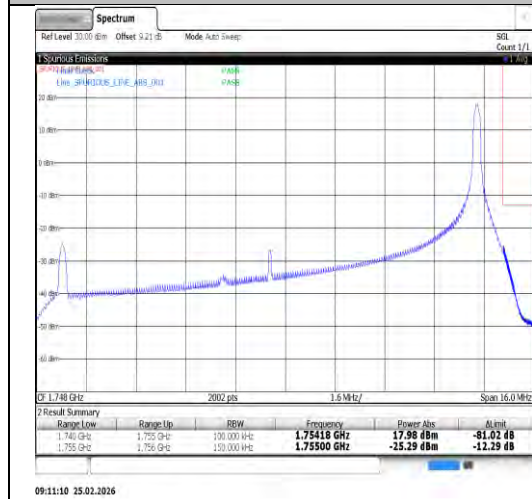
Band4-15MHz-16QAM-20025-75RB#0-PASS

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



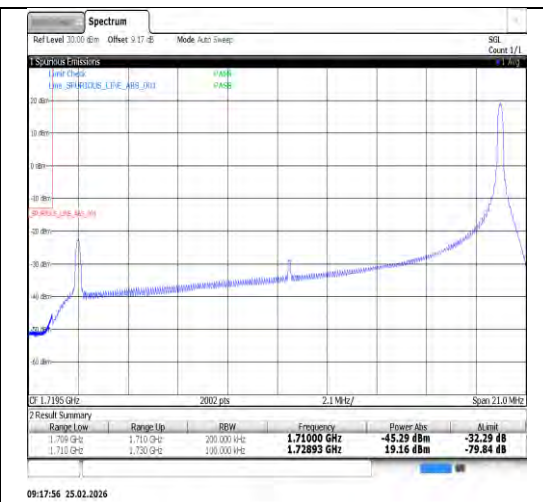
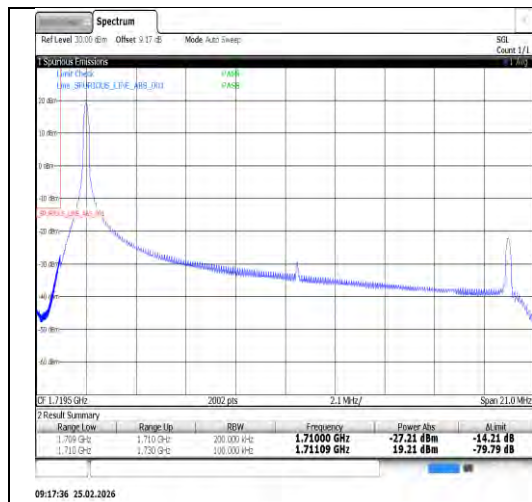
Band4-15MHz-16QAM-20325-1RB#74-PASS

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



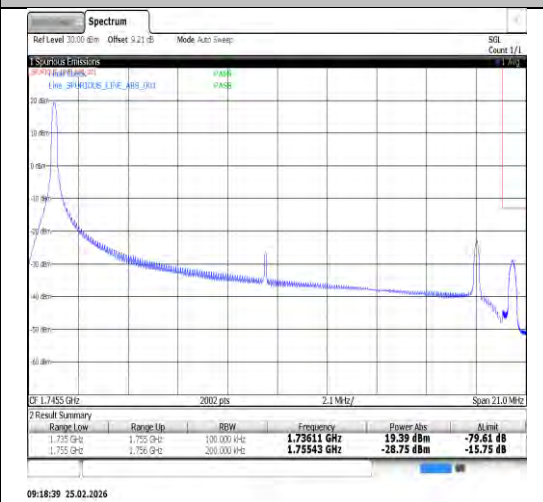
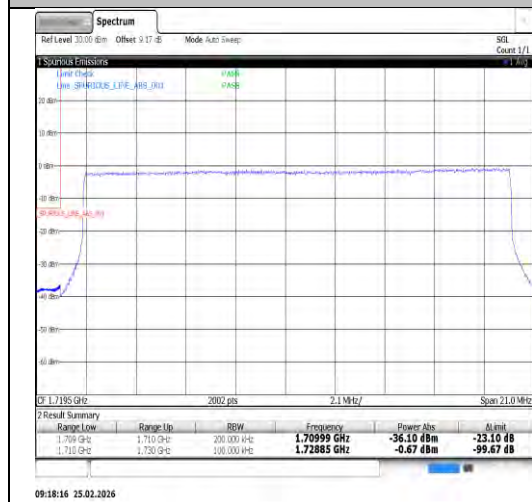
Band4-20MHz-QPSK-20050-1RB#0-PASS

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



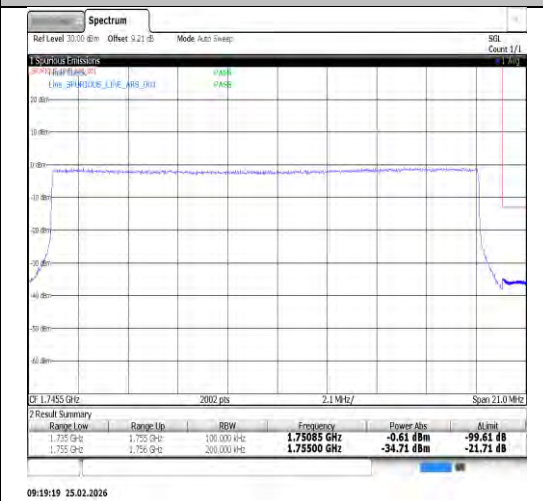
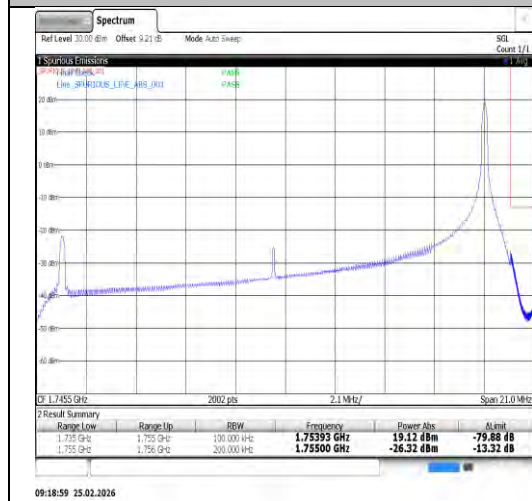
Band4-20MHz-QPSK-20050-100RB#0-PASS

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



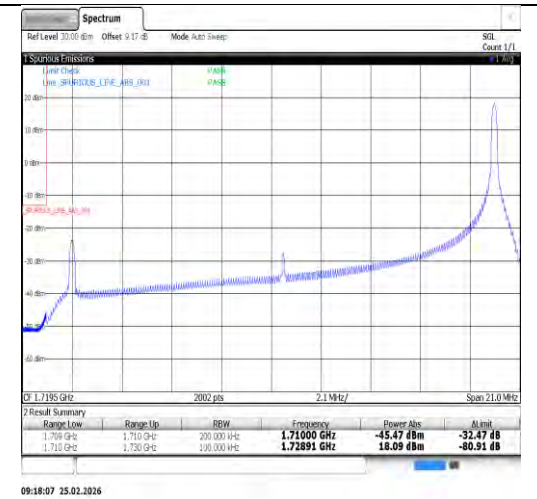
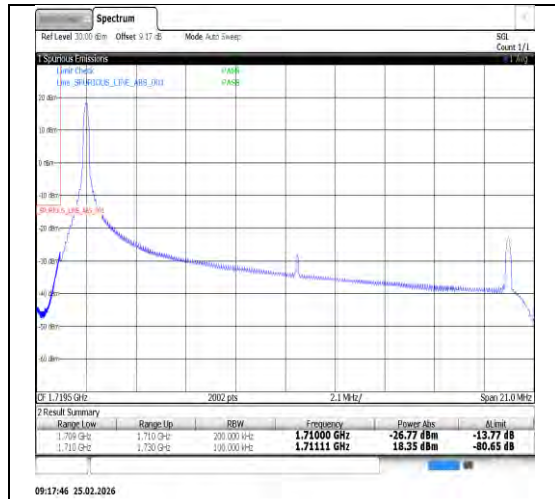
Band4-20MHz-QPSK-20300-1RB#99-PASS

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



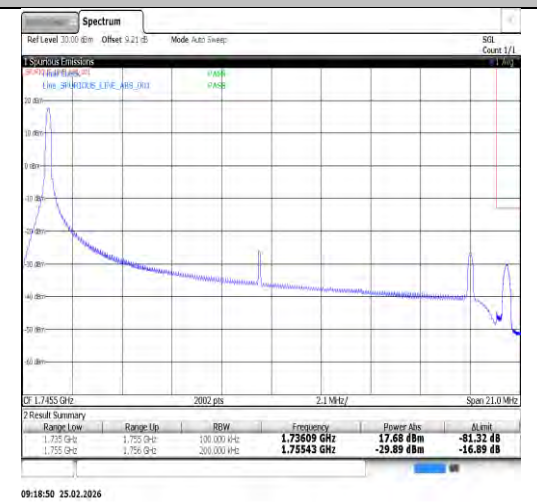
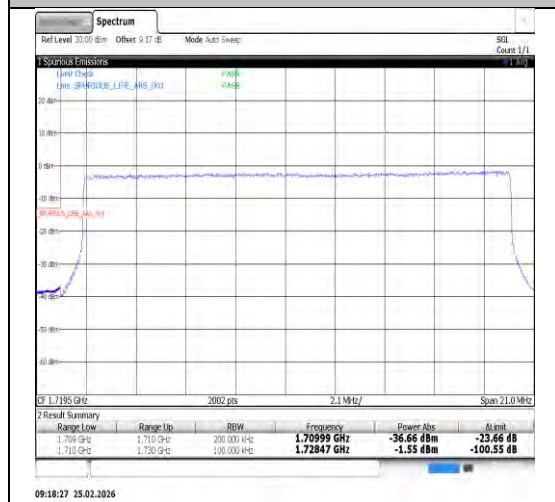
Band4-20MHz-16QAM-20050-1RB#0-PASS

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



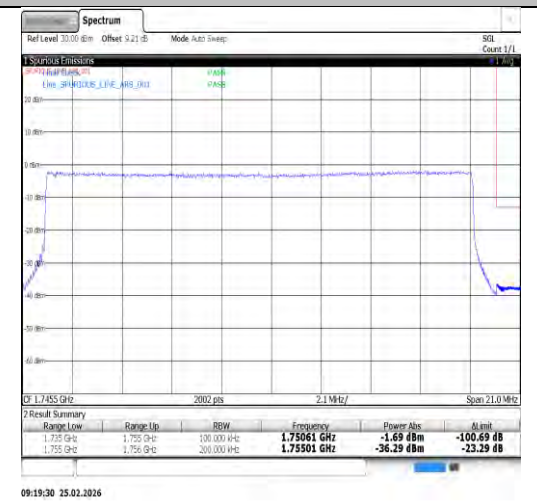
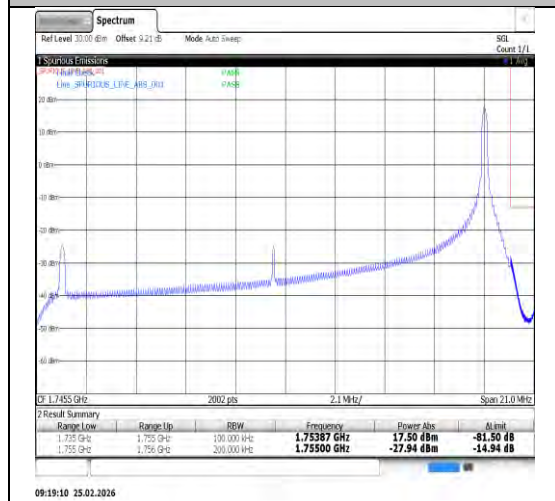
Band4-20MHz-16QAM-20050-100RB#0-PASS

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	- 62.77	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	- 10.92	/
Band4	1.4MHz	QPSK	19957	1RB#0	1000~3000	- 36.55	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	3000~20000	- 27.67	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	- 62.77	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~3000	- 48.72	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3000~20000	- 27.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	- 62.85	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~3000	- 34.30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3000~20000	- 27.77	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	- 62.84	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~3000	- 13.40	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	3000~20000	- 27.68	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	- 62.70	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~3000	- 48.82	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	3000~20000	- 27.91	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	- 62.66	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~3000	- 34.04	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	3000~20000	-	PASS

						27.45	
Band4	3MHz	QPSK	19965	1RB#0	30~1000	- 62.59	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	- 12.25	/
Band4	3MHz	QPSK	19965	1RB#0	1000~3000	- 34.61	PASS
Band4	3MHz	QPSK	19965	1RB#0	3000~20000	- 27.67	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	- 62.47	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~3000	- 48.64	PASS
Band4	3MHz	QPSK	20175	1RB#0	3000~20000	- 27.67	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	- 62.81	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~3000	- 29.95	PASS
Band4	3MHz	QPSK	20385	1RB#0	3000~20000	- 27.64	PASS
Band4	3MHz	16QAM	19965	1RB#0	30~1000	- 62.60	PASS
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	- 12.85	/
Band4	3MHz	16QAM	19965	1RB#0	1000~3000	- 36.30	PASS
Band4	3MHz	16QAM	19965	1RB#0	3000~20000	- 27.87	PASS
Band4	3MHz	16QAM	20175	1RB#0	30~1000	- 62.65	PASS
Band4	3MHz	16QAM	20175	1RB#0	1000~3000	- 48.63	PASS
Band4	3MHz	16QAM	20175	1RB#0	3000~20000	- 27.79	PASS
Band4	3MHz	16QAM	20385	1RB#0	30~1000	- 62.81	PASS
Band4	3MHz	16QAM	20385	1RB#0	1000~3000	- 28.86	PASS
Band4	3MHz	16QAM	20385	1RB#0	3000~20000	- 27.09	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	- 62.49	PASS

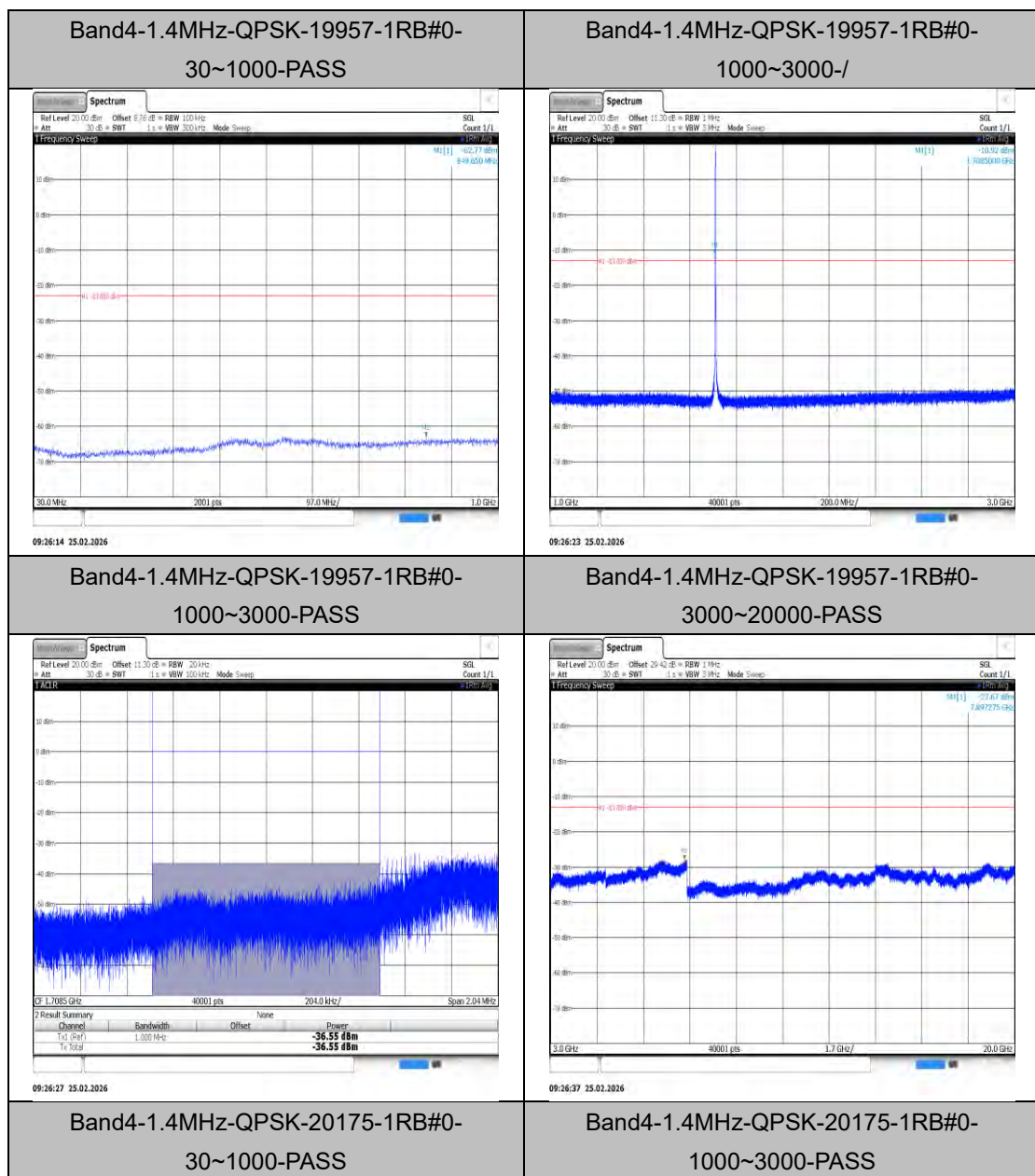
Band4	5MHz	QPSK	19975	1RB#0	1000~3000	- 48.76	PASS
Band4	5MHz	QPSK	19975	1RB#0	3000~20000	- 27.38	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	- 62.70	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~3000	- 48.73	PASS
Band4	5MHz	QPSK	20175	1RB#0	3000~20000	- 27.91	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	- 62.71	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~3000	- 30.94	PASS
Band4	5MHz	QPSK	20375	1RB#0	3000~20000	- 27.67	PASS
Band4	5MHz	16QAM	19975	1RB#0	30~1000	- 62.85	PASS
Band4	5MHz	16QAM	19975	1RB#0	1000~3000	- 16.26	PASS
Band4	5MHz	16QAM	19975	1RB#0	3000~20000	- 27.56	PASS
Band4	5MHz	16QAM	20175	1RB#0	30~1000	- 62.53	PASS
Band4	5MHz	16QAM	20175	1RB#0	1000~3000	- 48.90	PASS
Band4	5MHz	16QAM	20175	1RB#0	3000~20000	- 27.67	PASS
Band4	5MHz	16QAM	20375	1RB#0	30~1000	- 62.62	PASS
Band4	5MHz	16QAM	20375	1RB#0	1000~3000	- 31.57	PASS
Band4	5MHz	16QAM	20375	1RB#0	3000~20000	- 27.05	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	- 62.76	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~3000	- 27.97	PASS
Band4	10MHz	QPSK	20000	1RB#0	3000~20000	- 27.67	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	- 62.79	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~3000	- 48.77	PASS

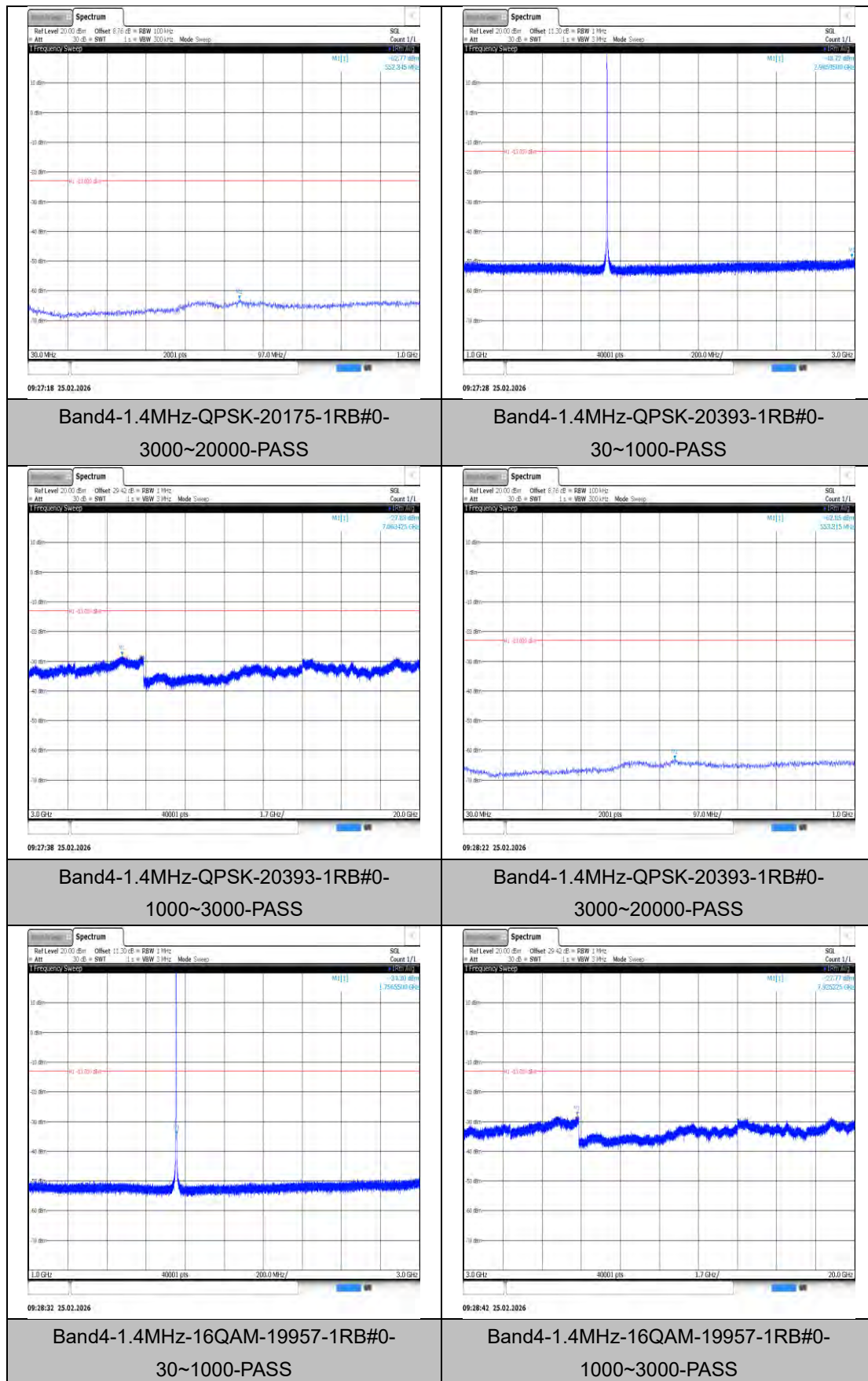
Band4	10MHz	QPSK	20175	1RB#0	3000~20000	- 27.79	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	- 62.89	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~3000	- 32.46	PASS
Band4	10MHz	QPSK	20350	1RB#0	3000~20000	- 27.79	PASS
Band4	10MHz	16QAM	20000	1RB#0	30~1000	- 62.80	PASS
Band4	10MHz	16QAM	20000	1RB#0	1000~3000	- 29.32	PASS
Band4	10MHz	16QAM	20000	1RB#0	3000~20000	- 27.84	PASS
Band4	10MHz	16QAM	20175	1RB#0	30~1000	- 62.52	PASS
Band4	10MHz	16QAM	20175	1RB#0	1000~3000	- 48.95	PASS
Band4	10MHz	16QAM	20175	1RB#0	3000~20000	- 27.72	PASS
Band4	10MHz	16QAM	20350	1RB#0	30~1000	- 62.47	PASS
Band4	10MHz	16QAM	20350	1RB#0	1000~3000	- 32.53	PASS
Band4	10MHz	16QAM	20350	1RB#0	3000~20000	- 27.37	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	- 62.90	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~3000	- 34.50	PASS
Band4	15MHz	QPSK	20025	1RB#0	3000~20000	- 27.87	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	- 62.62	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~3000	- 45.34	PASS
Band4	15MHz	QPSK	20175	1RB#0	3000~20000	- 27.63	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	- 62.48	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~3000	- 33.68	PASS
Band4	15MHz	QPSK	20325	1RB#0	3000~20000	- 27.44	PASS

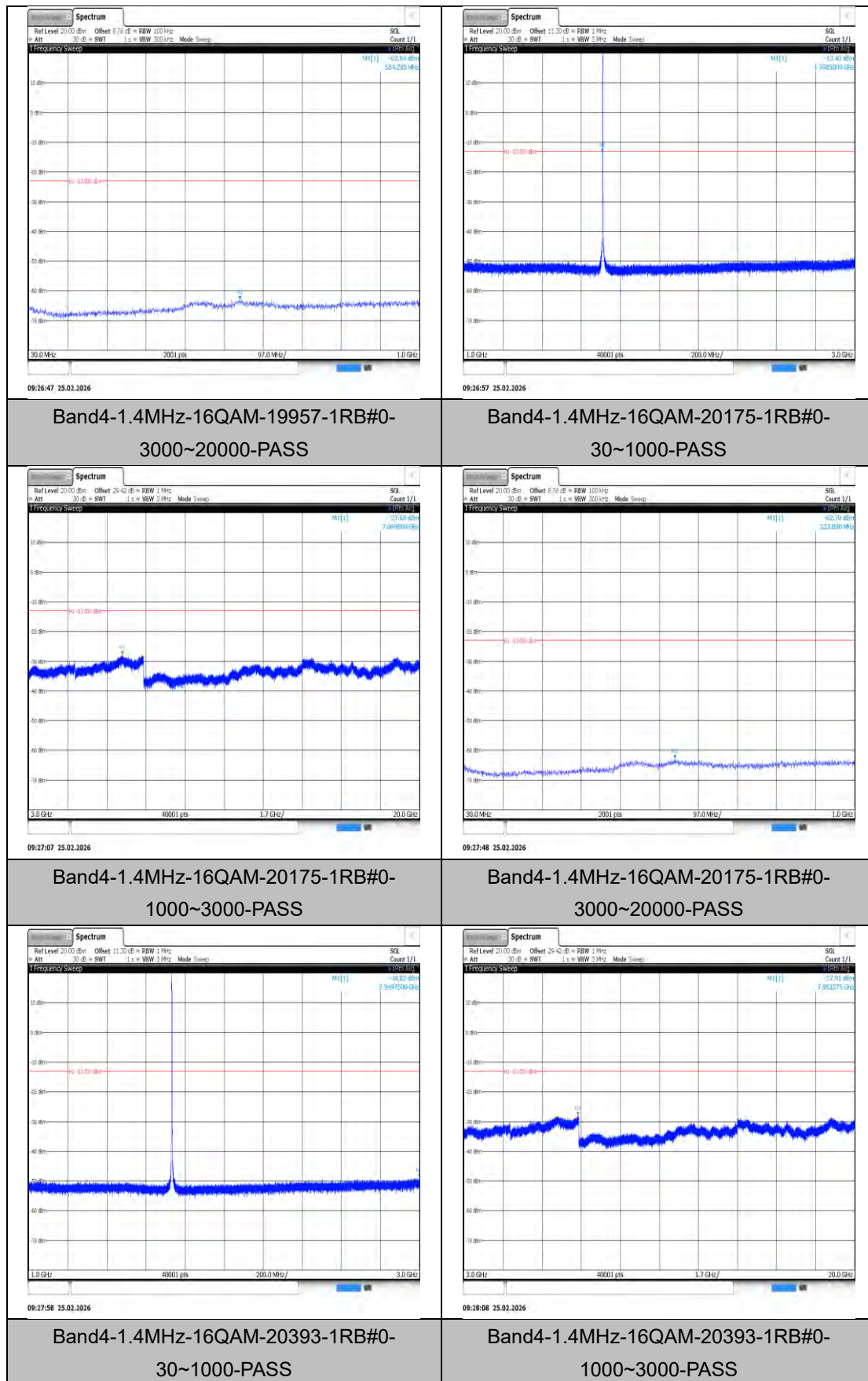
Band4	15MHz	16QAM	20025	1RB#0	30~1000	- 62.74	PASS
Band4	15MHz	16QAM	20025	1RB#0	1000~3000	- 31.52	PASS
Band4	15MHz	16QAM	20025	1RB#0	3000~20000	- 27.75	PASS
Band4	15MHz	16QAM	20175	1RB#0	30~1000	- 62.80	PASS
Band4	15MHz	16QAM	20175	1RB#0	1000~3000	- 45.94	PASS
Band4	15MHz	16QAM	20175	1RB#0	3000~20000	- 27.36	PASS
Band4	15MHz	16QAM	20325	1RB#0	30~1000	- 62.85	PASS
Band4	15MHz	16QAM	20325	1RB#0	1000~3000	- 34.69	PASS
Band4	15MHz	16QAM	20325	1RB#0	3000~20000	- 27.54	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	- 62.93	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~3000	- 34.36	PASS
Band4	20MHz	QPSK	20050	1RB#0	3000~20000	- 27.76	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	- 62.75	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~3000	- 32.23	PASS
Band4	20MHz	QPSK	20175	1RB#0	3000~20000	- 27.90	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	- 62.94	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~3000	- 31.18	PASS
Band4	20MHz	QPSK	20300	1RB#0	3000~20000	- 27.61	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	- 62.22	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~3000	- 28.18	PASS
Band4	20MHz	16QAM	20050	1RB#0	3000~20000	- 27.28	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	- 62.55	PASS

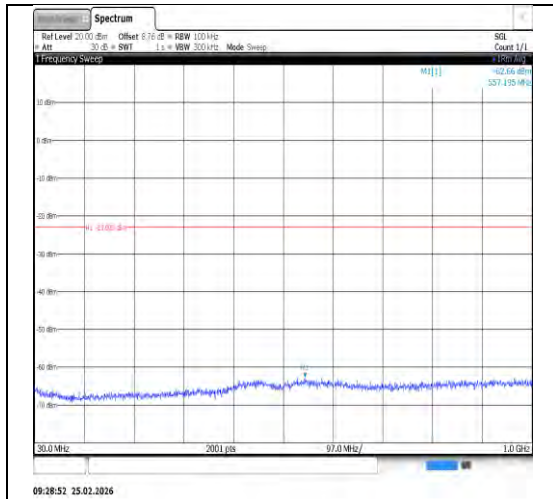
Band4	20MHz	16QAM	20175	1RB#0	1000~3000	- 32.35	PASS
Band4	20MHz	16QAM	20175	1RB#0	3000~20000	- 28.15	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	- 62.90	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~3000	- 31.69	PASS
Band4	20MHz	16QAM	20300	1RB#0	3000~20000	- 27.69	PASS

Test Graphs

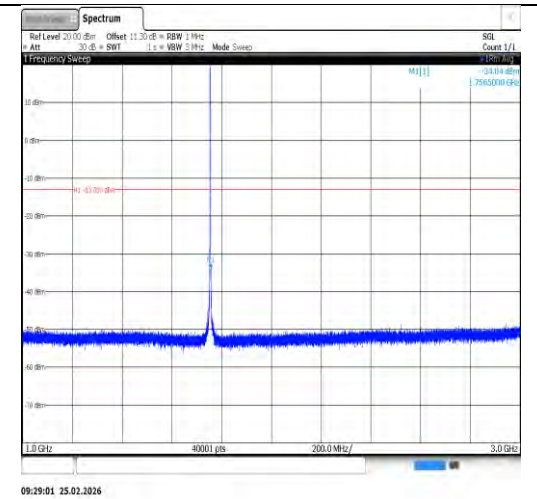




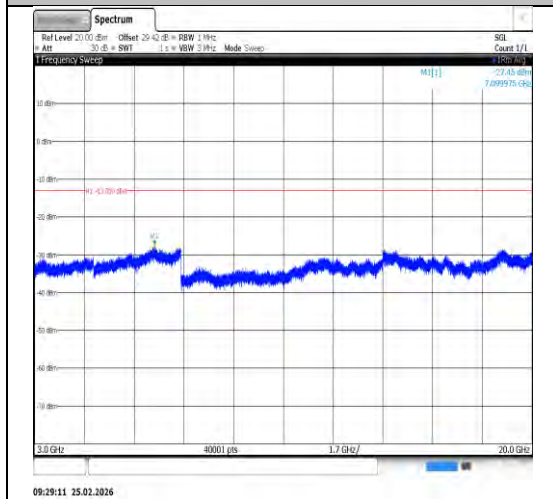




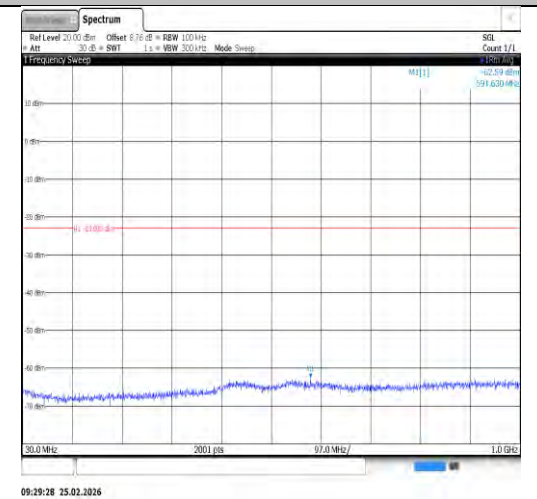
Band4-1.4MHz-16QAM-20393-1RB#0-
3000~20000-PASS



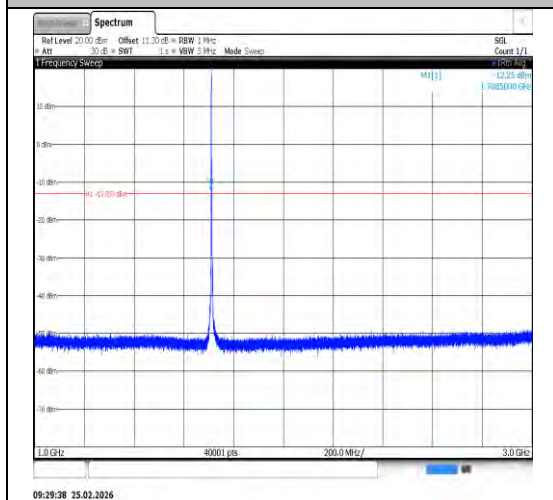
Band4-3MHz-QPSK-19965-1RB#0-30~1000-
PASS



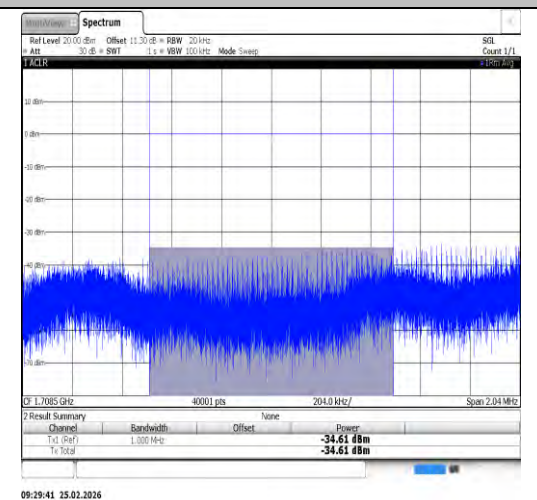
Band4-3MHz-QPSK-19965-1RB#0-
1000~3000-/
PASS



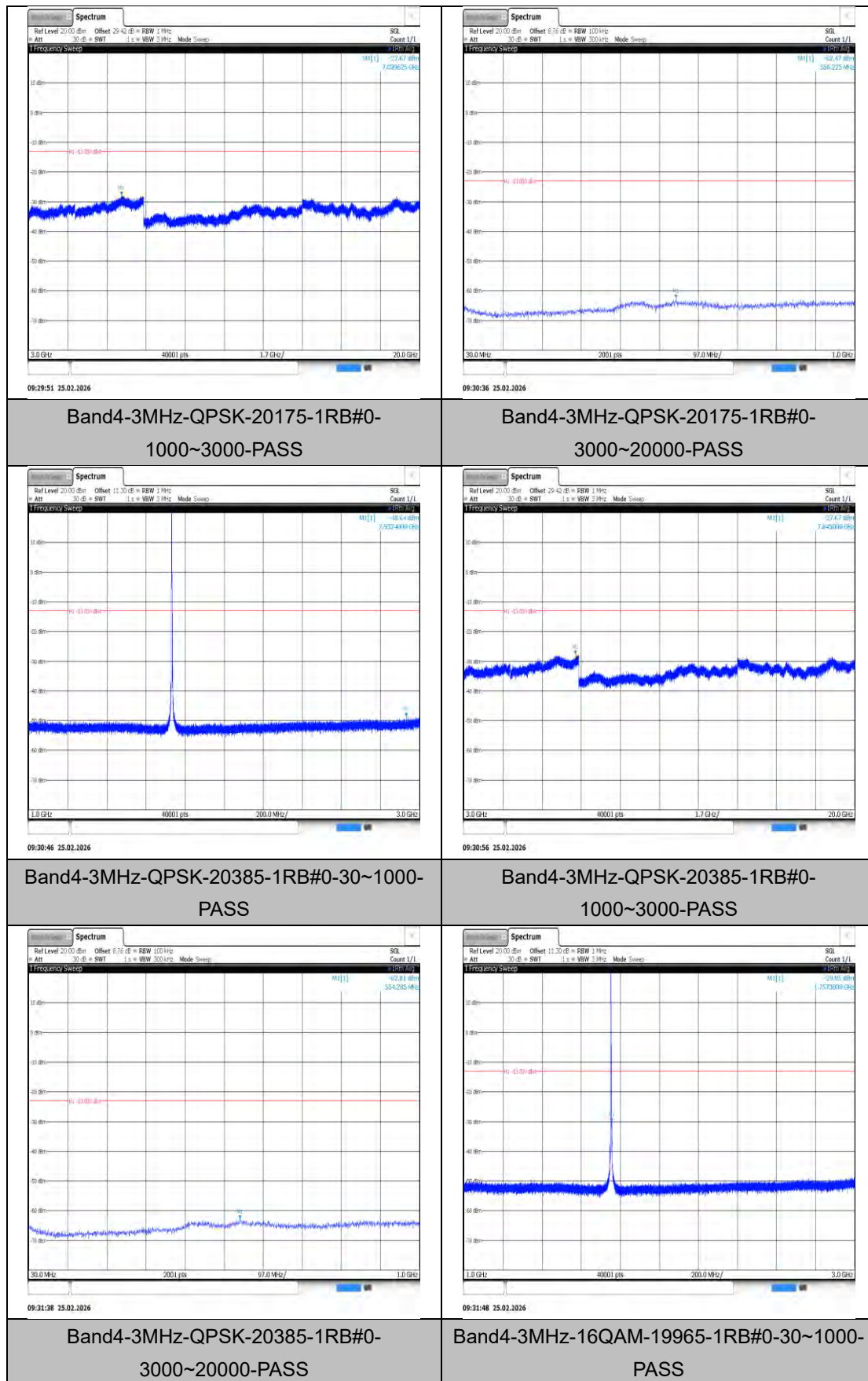
Band4-3MHz-QPSK-19965-1RB#0-
1000~3000-PASS

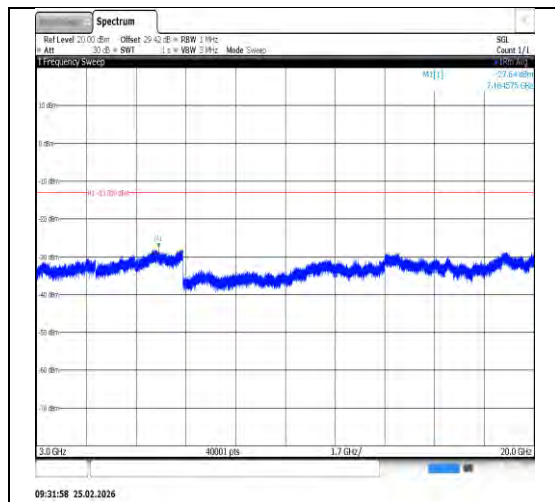


Band4-3MHz-QPSK-19965-1RB#0-
3000~20000-PASS

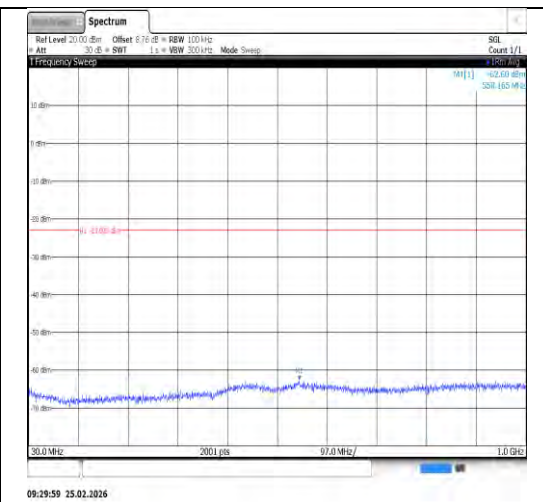


Band4-3MHz-QPSK-20175-1RB#0-30~1000-
PASS

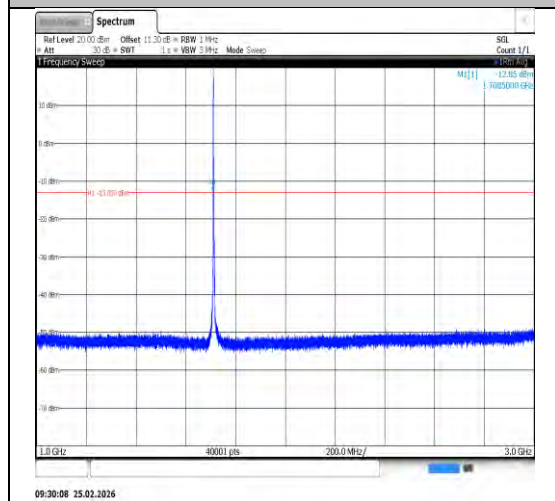




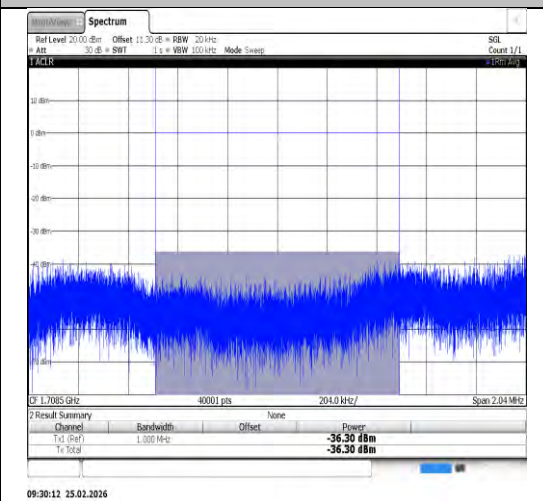
Band4-3MHz-16QAM-19965-1RB#0-
1000~3000-/



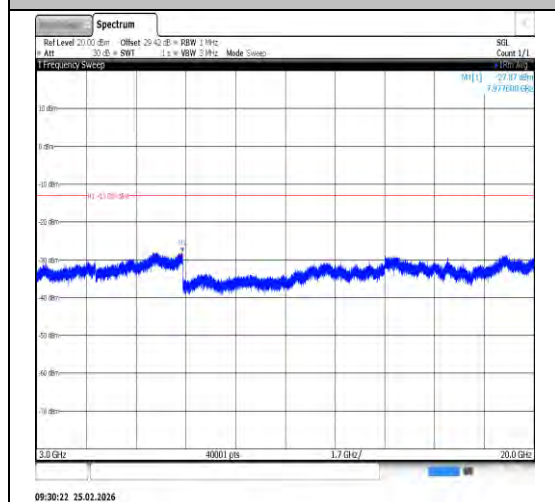
Band4-3MHz-16QAM-19965-1RB#0-
1000~3000-PASS



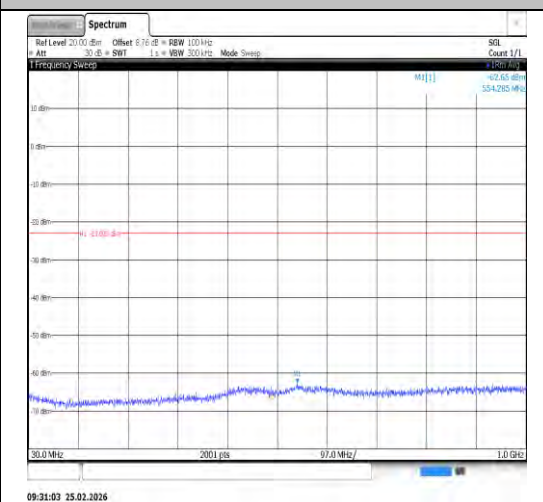
Band4-3MHz-16QAM-19965-1RB#0-
3000~20000-PASS



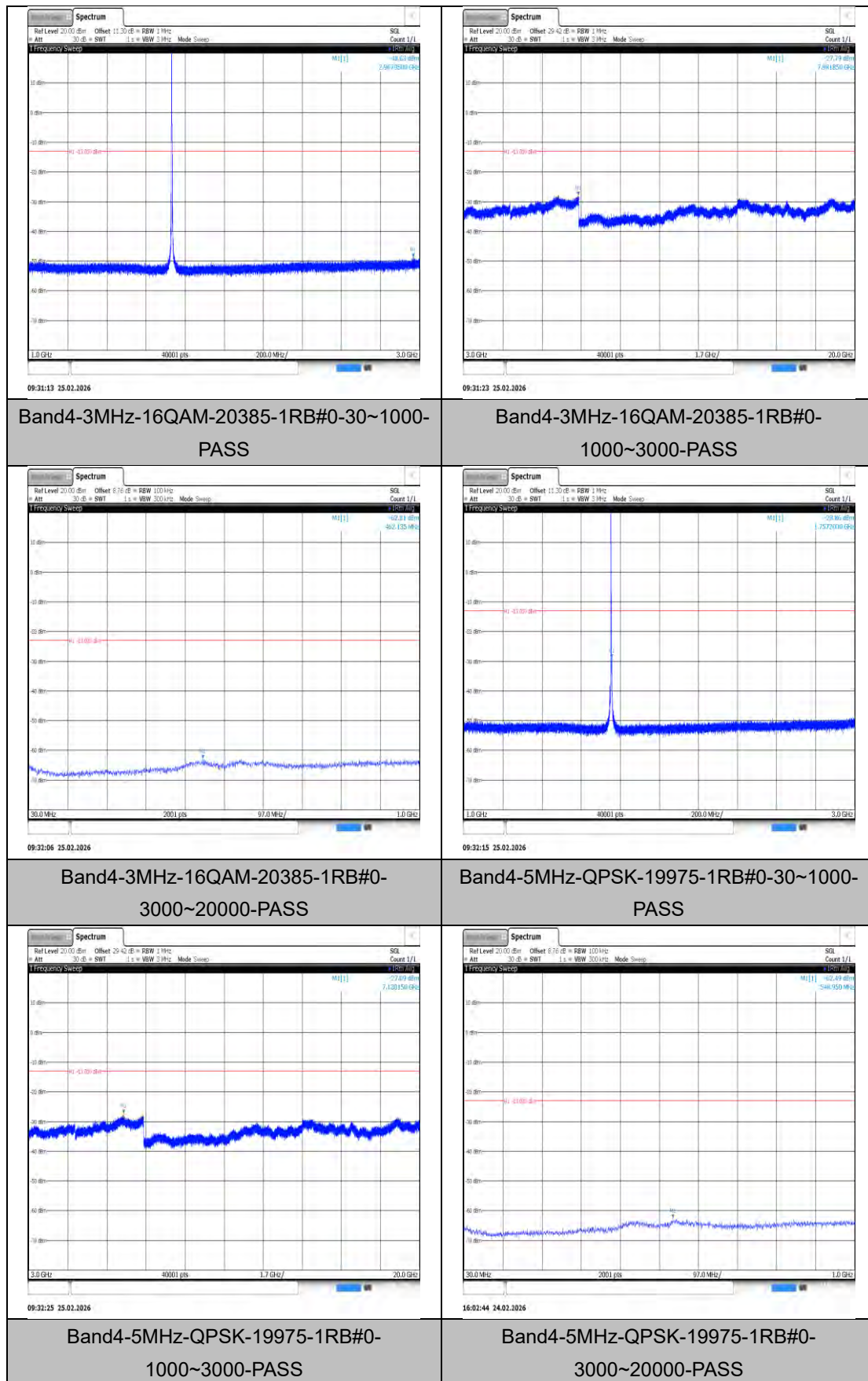
Band4-3MHz-16QAM-20175-1RB#0-30~1000-
PASS

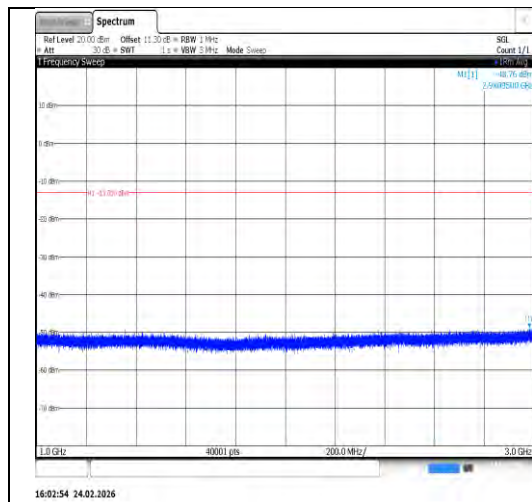


Band4-3MHz-16QAM-20175-1RB#0-
1000~3000-PASS

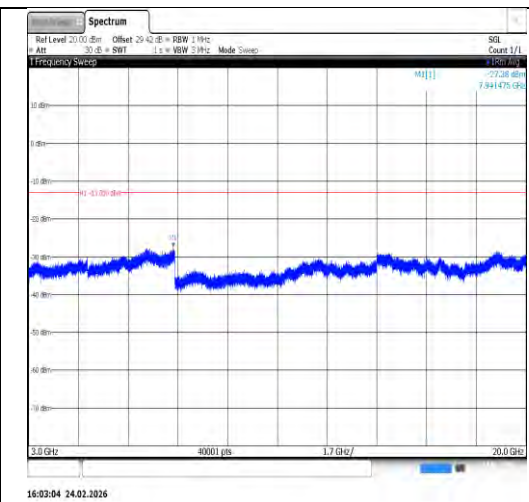


Band4-3MHz-16QAM-20175-1RB#0-
3000~20000-PASS

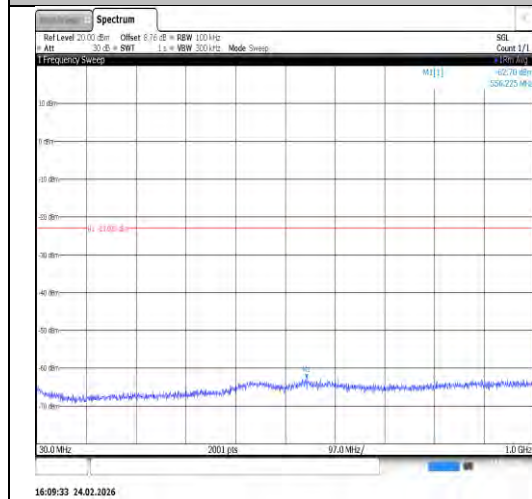




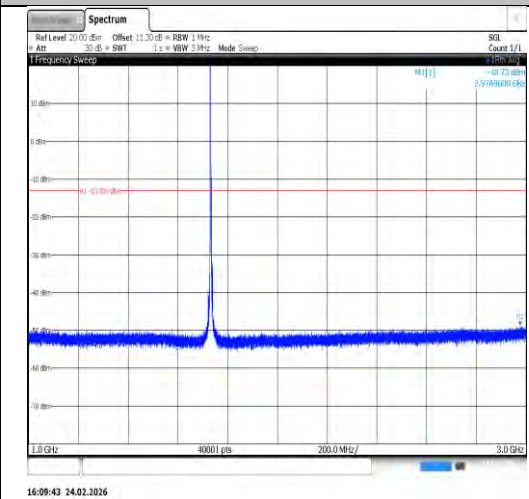
Band4-5MHz-QPSK-20175-1RB#0-30~1000-PASS



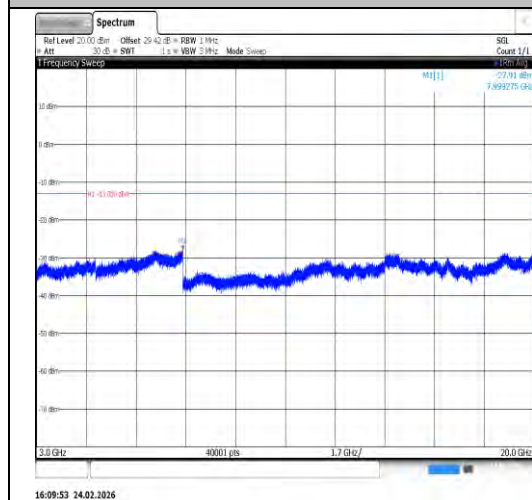
Band4-5MHz-QPSK-20175-1RB#0-1000~3000-PASS



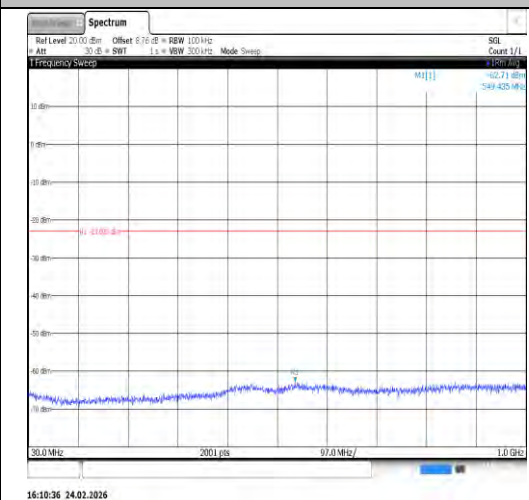
Band4-5MHz-QPSK-20175-1RB#0-3000~20000-PASS



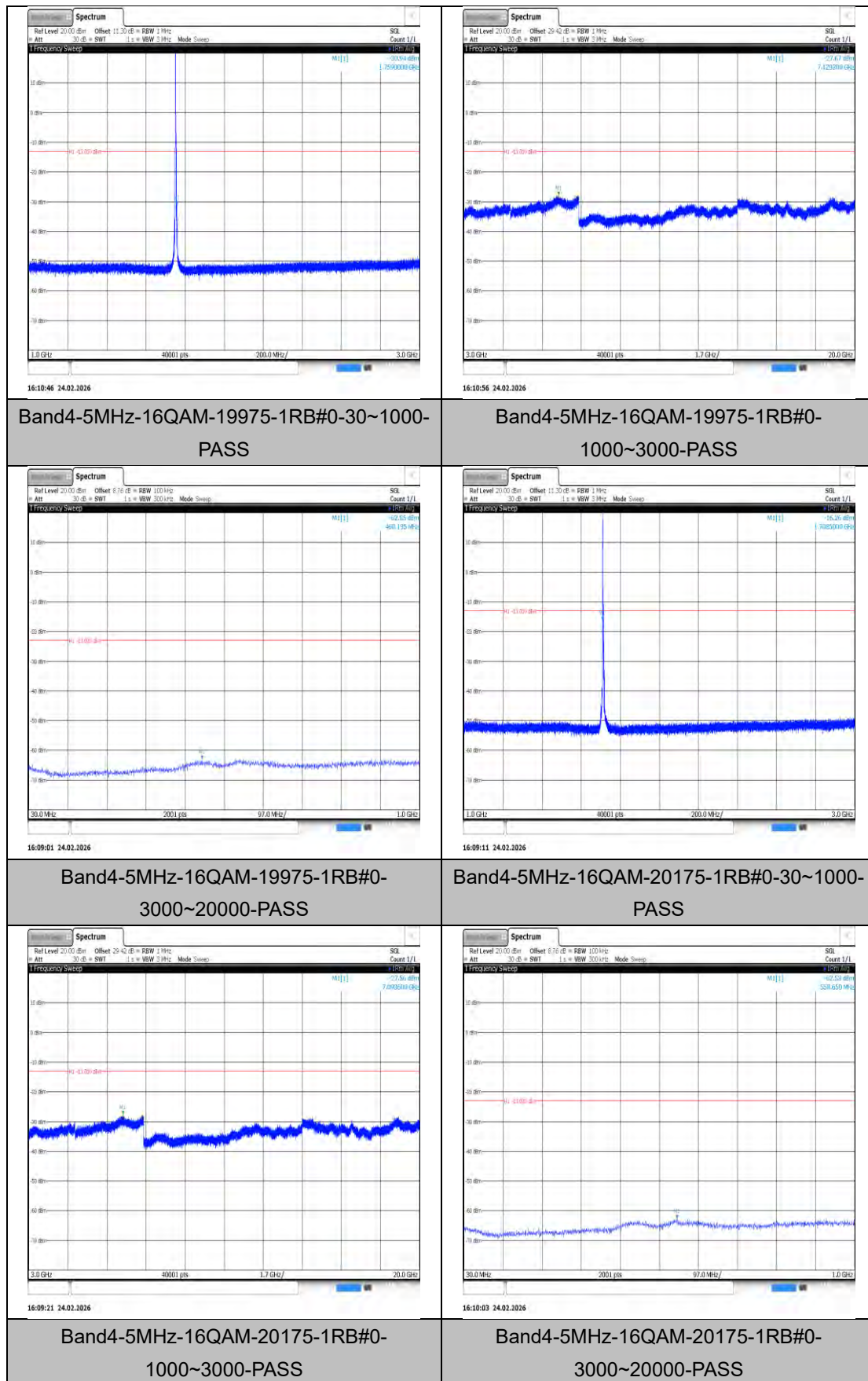
Band4-5MHz-QPSK-20375-1RB#0-30~1000-PASS

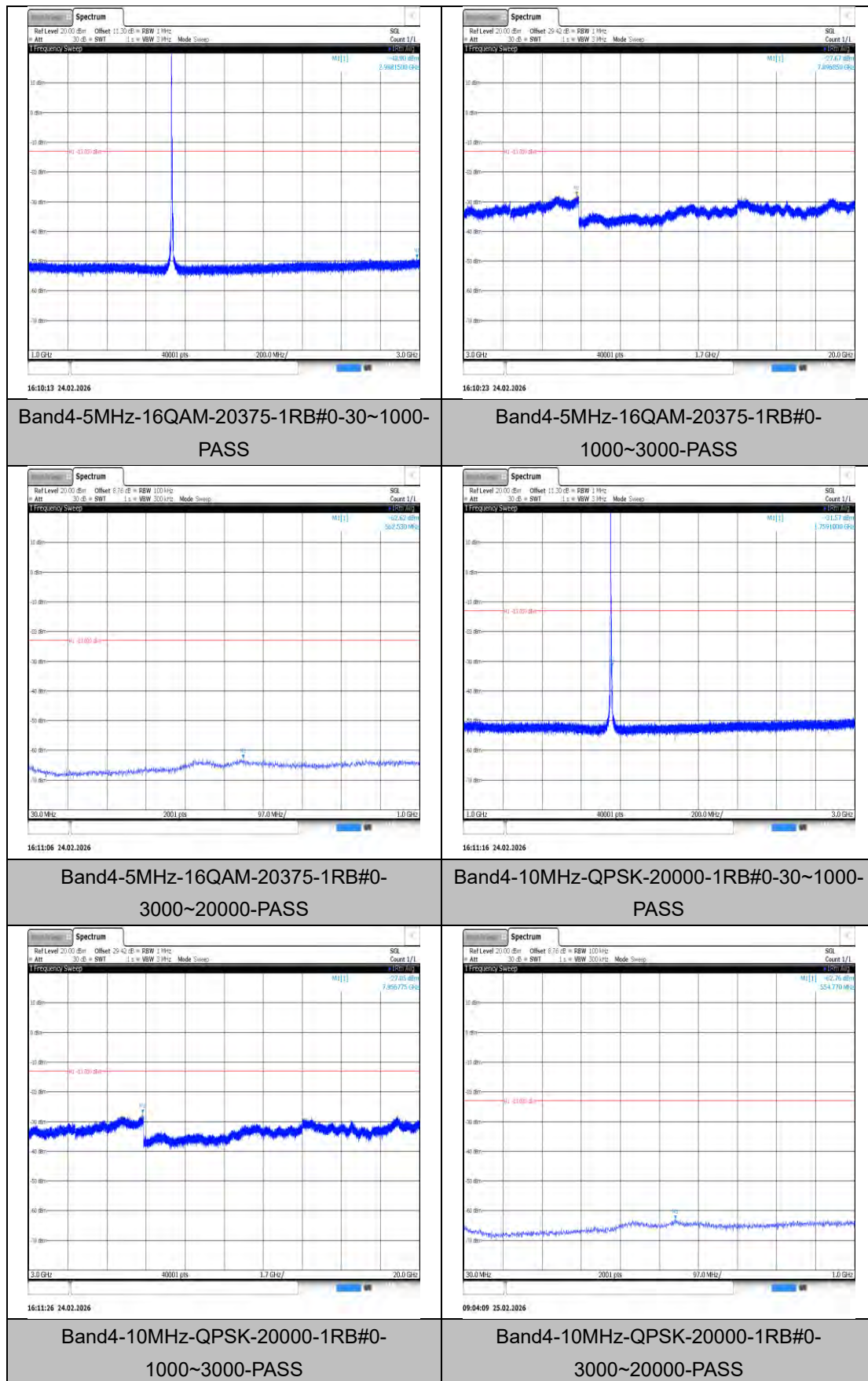


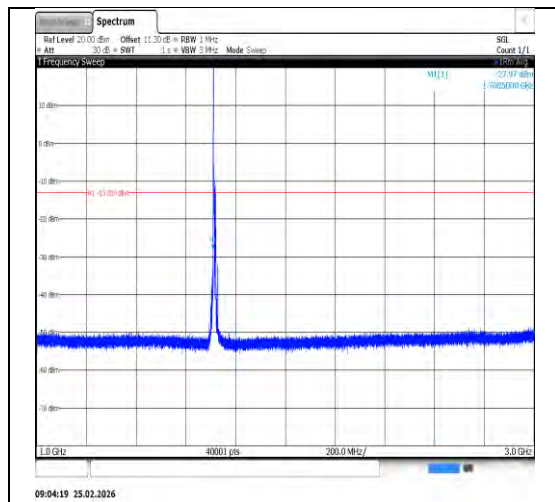
Band4-5MHz-QPSK-20375-1RB#0-1000~3000-PASS



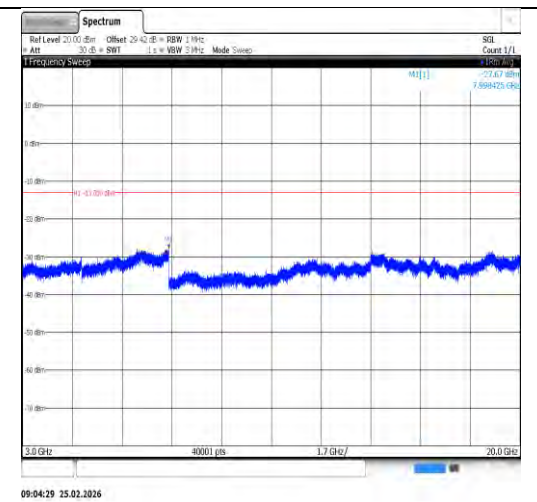
Band4-5MHz-QPSK-20375-1RB#0-3000~20000-PASS



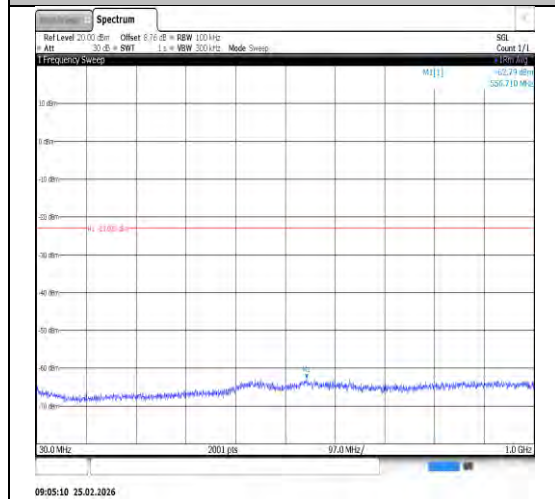




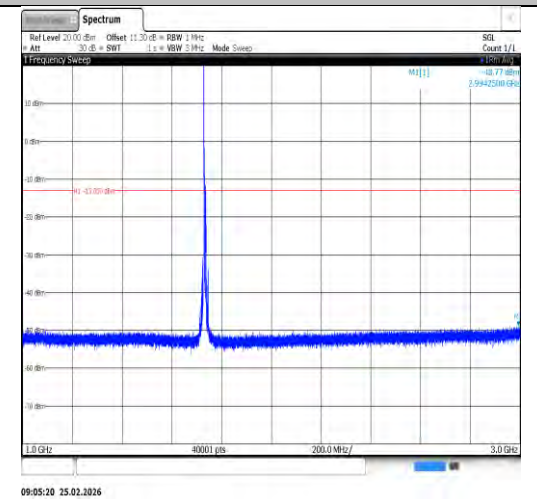
Band4-10MHz-QPSK-20175-1RB#0-30~1000-PASS



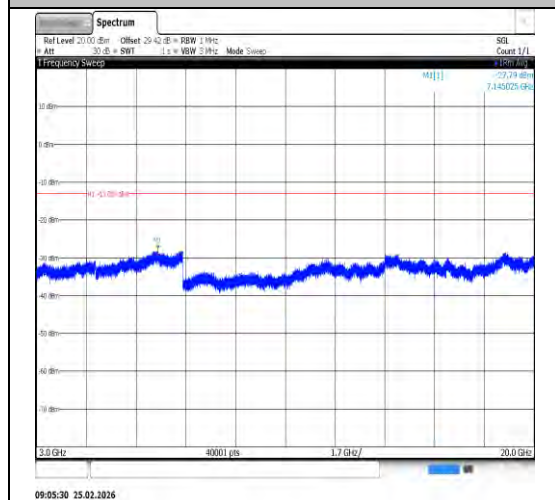
Band4-10MHz-QPSK-20175-1RB#0-1000~3000-PASS



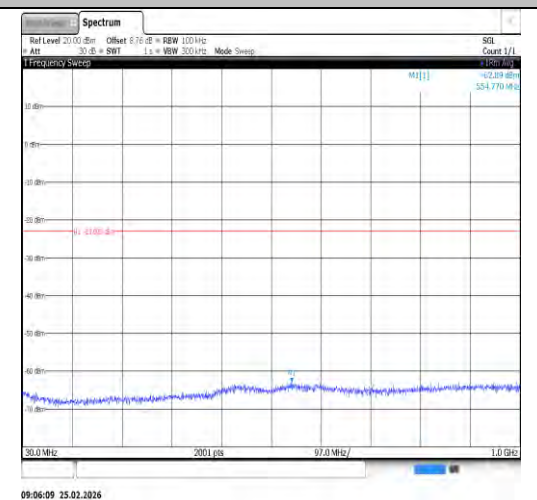
Band4-10MHz-QPSK-20175-1RB#0-3000~20000-PASS



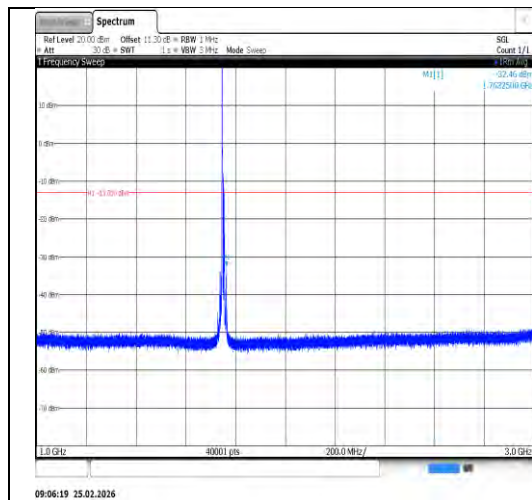
Band4-10MHz-QPSK-20350-1RB#0-30~1000-PASS



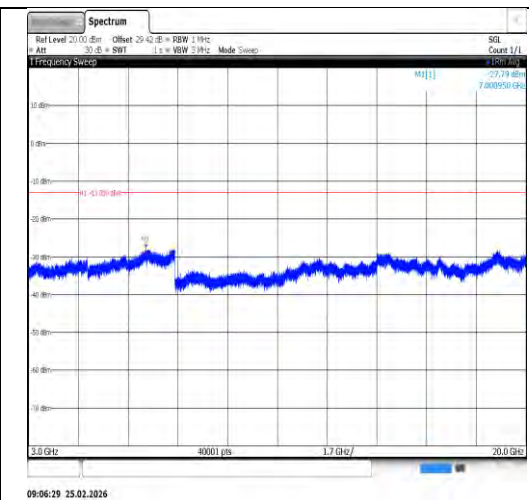
Band4-10MHz-QPSK-20350-1RB#0-1000~3000-PASS



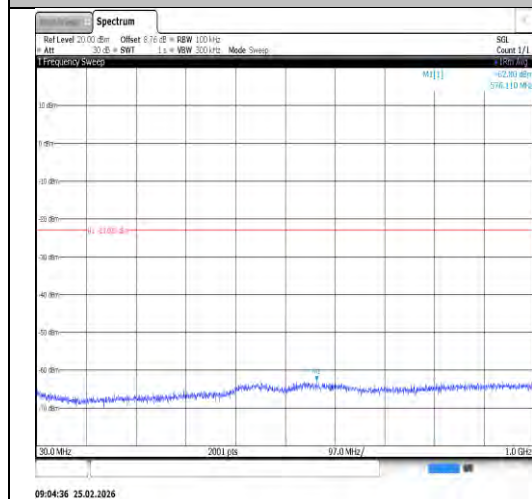
Band4-10MHz-QPSK-20350-1RB#0-3000~20000-PASS



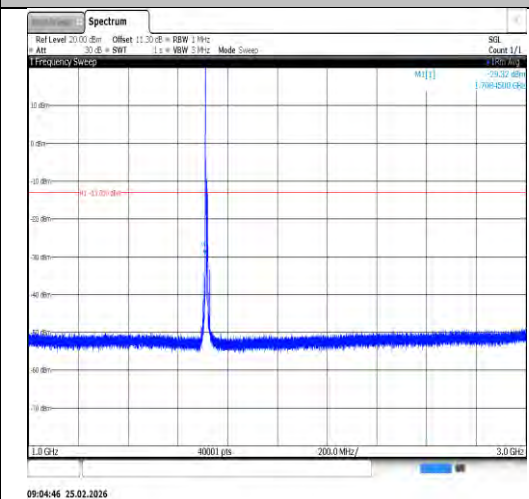
Band4-10MHz-16QAM-20000-1RB#0-
30~1000-PASS



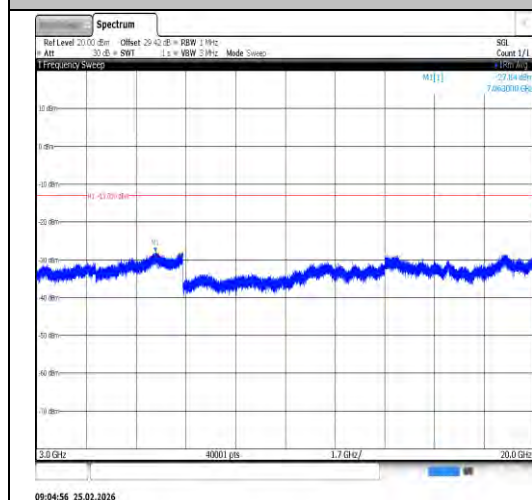
Band4-10MHz-16QAM-20000-1RB#0-
1000~3000-PASS



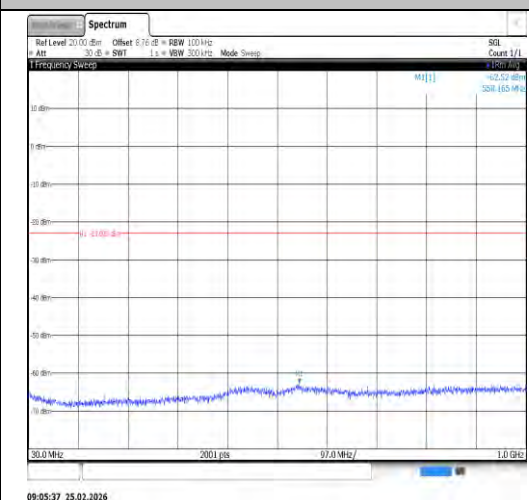
Band4-10MHz-16QAM-20000-1RB#0-
3000~20000-PASS



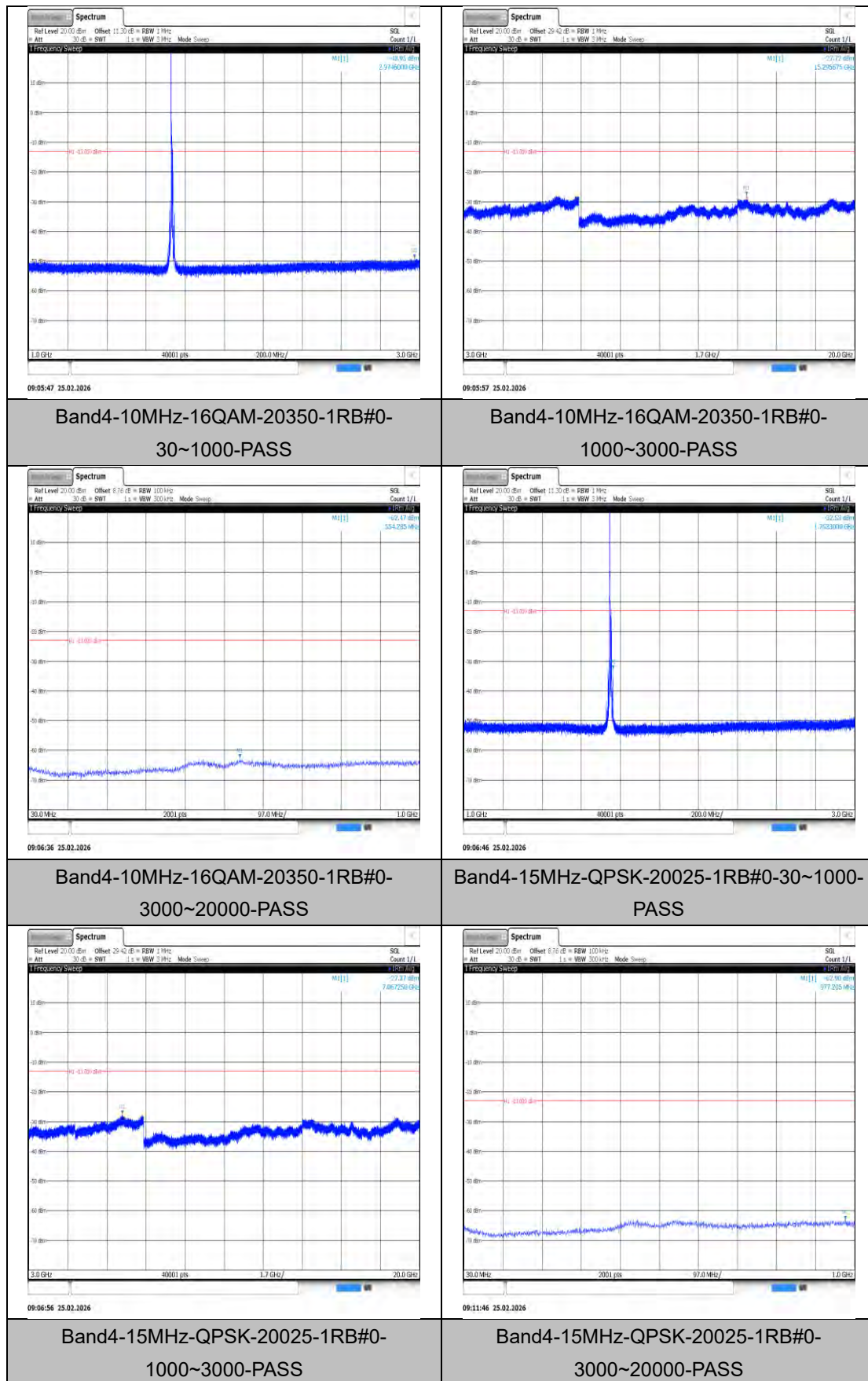
Band4-10MHz-16QAM-20175-1RB#0-
30~1000-PASS

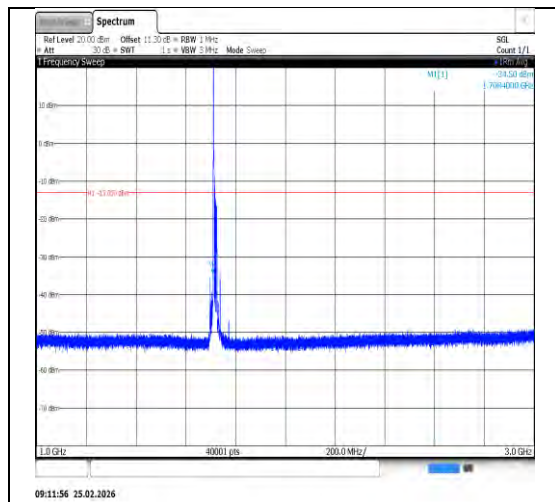


Band4-10MHz-16QAM-20175-1RB#0-
1000~3000-PASS

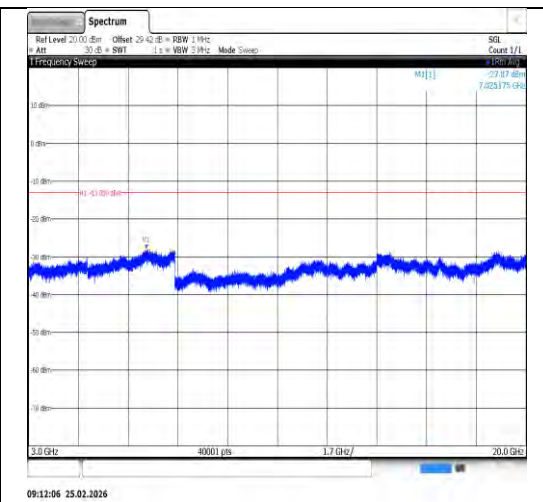


Band4-10MHz-16QAM-20175-1RB#0-
3000~20000-PASS

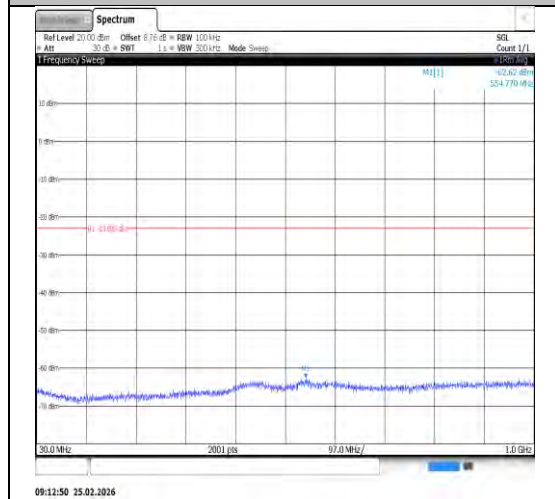




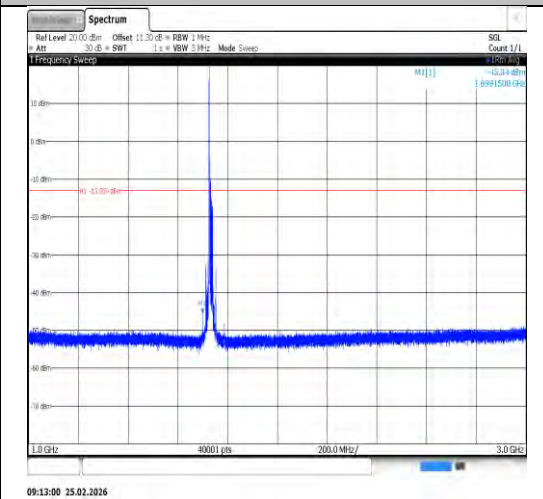
Band4-15MHz-QPSK-20175-1RB#0-30~1000-PASS



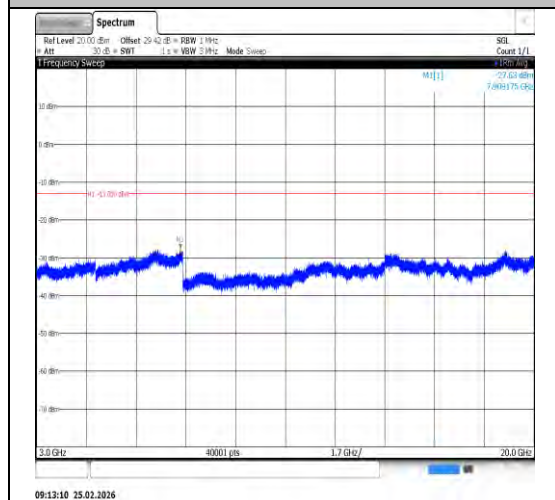
Band4-15MHz-QPSK-20175-1RB#0-1000~3000-PASS



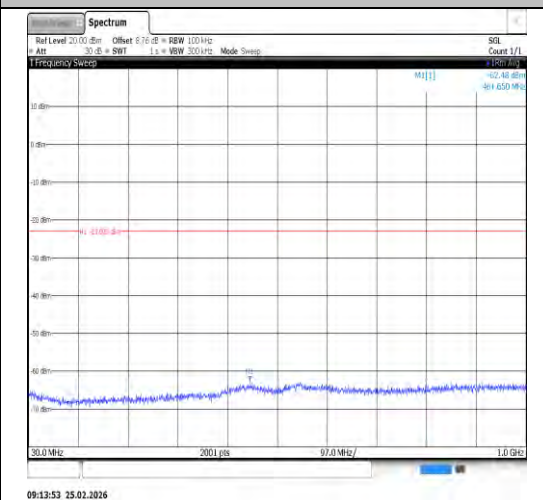
Band4-15MHz-QPSK-20175-1RB#0-3000~20000-PASS



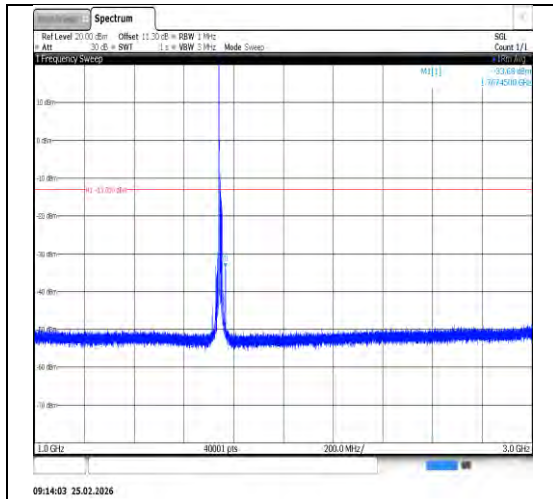
Band4-15MHz-QPSK-20325-1RB#0-30~1000-PASS



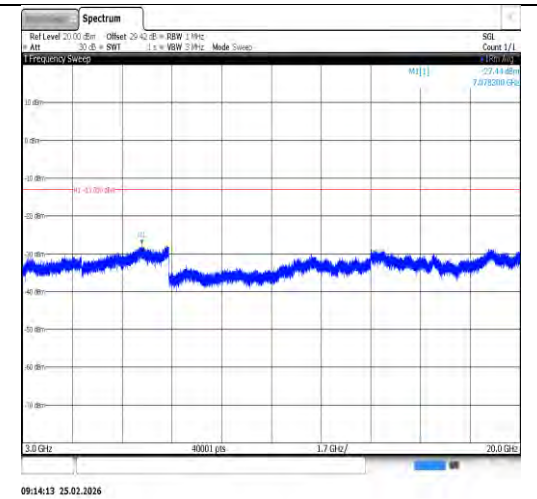
Band4-15MHz-QPSK-20325-1RB#0-1000~3000-PASS



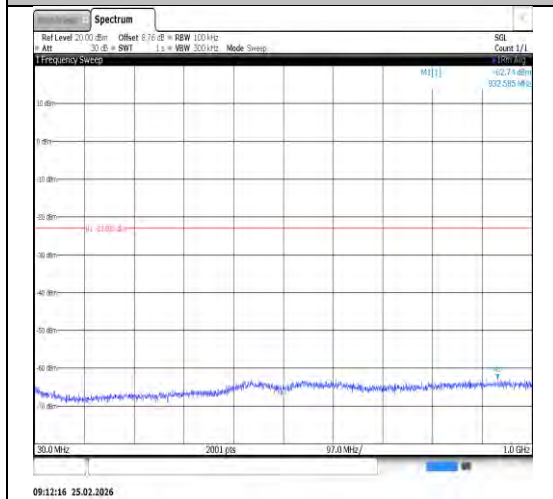
Band4-15MHz-QPSK-20325-1RB#0-3000~20000-PASS



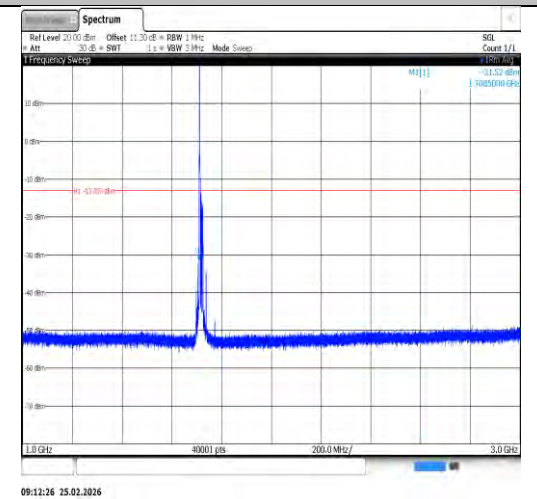
Band4-15MHz-16QAM-20025-1RB#0-
30~1000-PASS



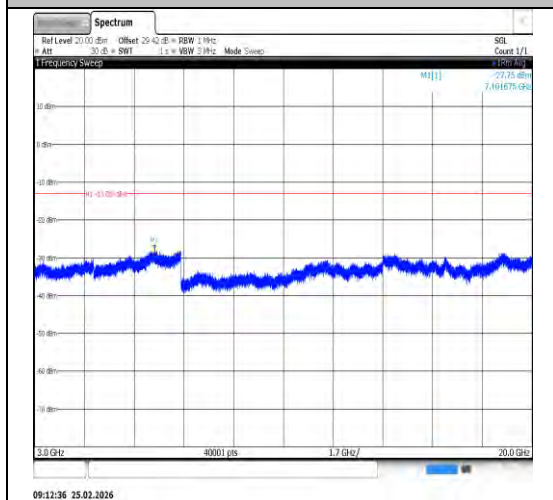
Band4-15MHz-16QAM-20025-1RB#0-
1000~3000-PASS



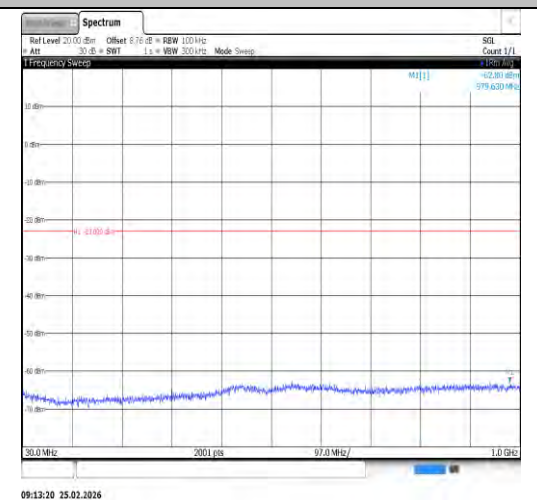
Band4-15MHz-16QAM-20025-1RB#0-
3000~20000-PASS



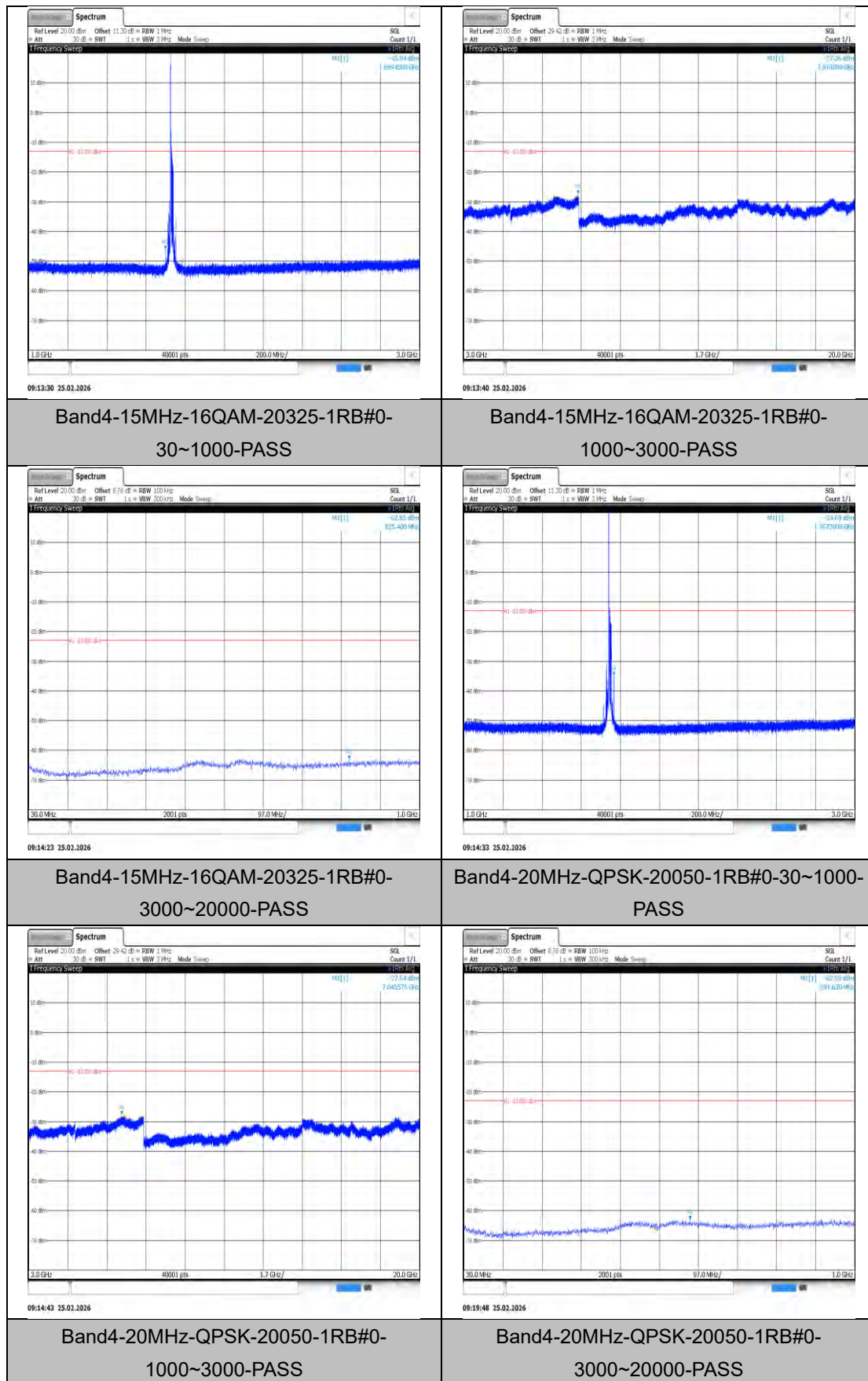
Band4-15MHz-16QAM-20175-1RB#0-
30~1000-PASS

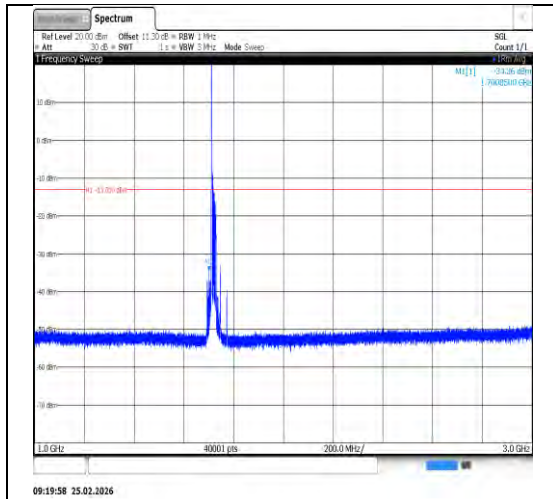


Band4-15MHz-16QAM-20175-1RB#0-
1000~3000-PASS

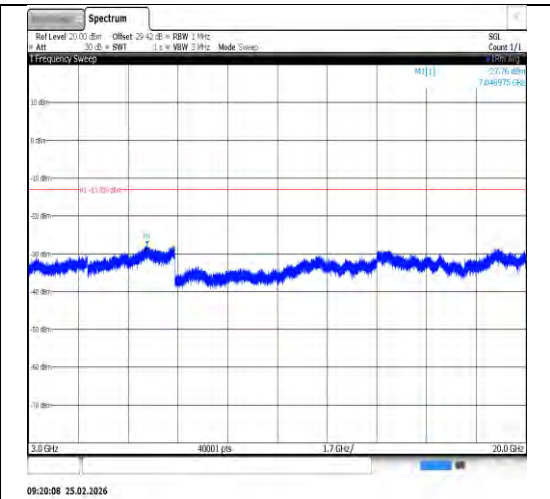


Band4-15MHz-16QAM-20175-1RB#0-
3000~20000-PASS

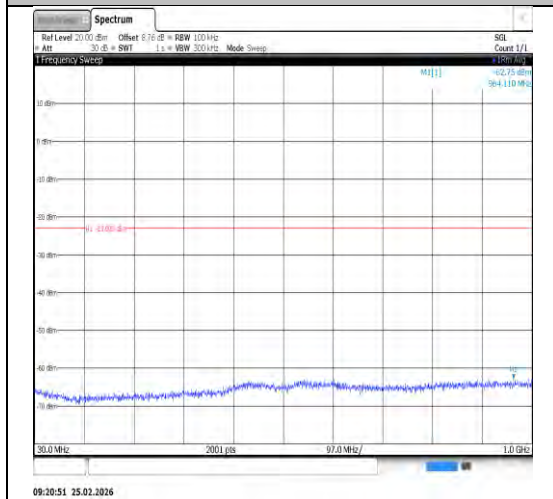




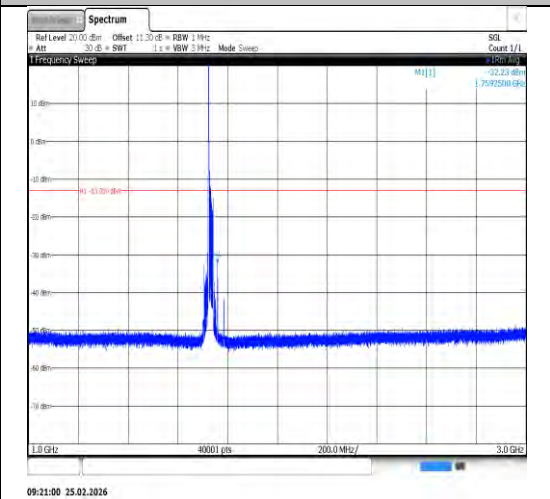
Band4-20MHz-QPSK-20175-1RB#0-30~1000-PASS



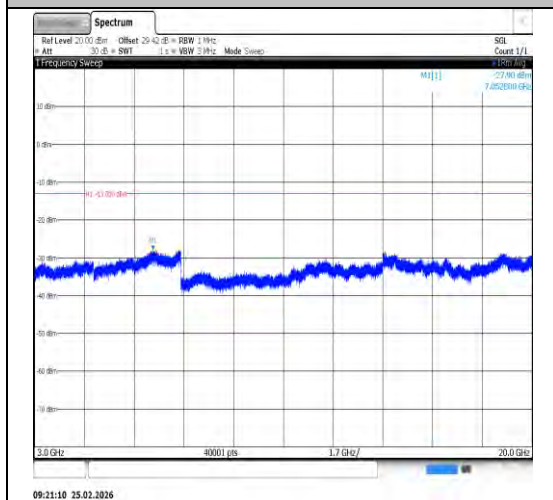
Band4-20MHz-QPSK-20175-1RB#0-1000~3000-PASS



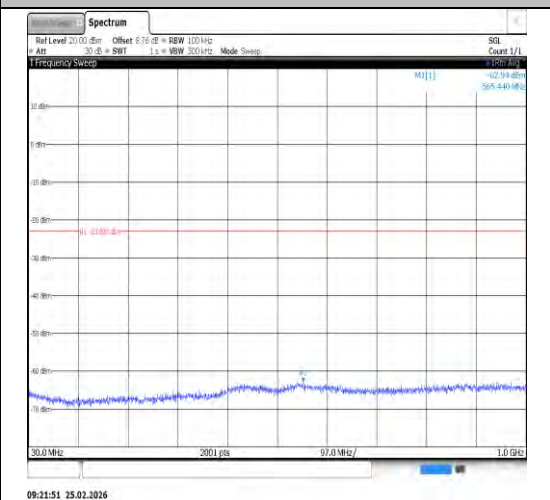
Band4-20MHz-QPSK-20175-1RB#0-3000~20000-PASS



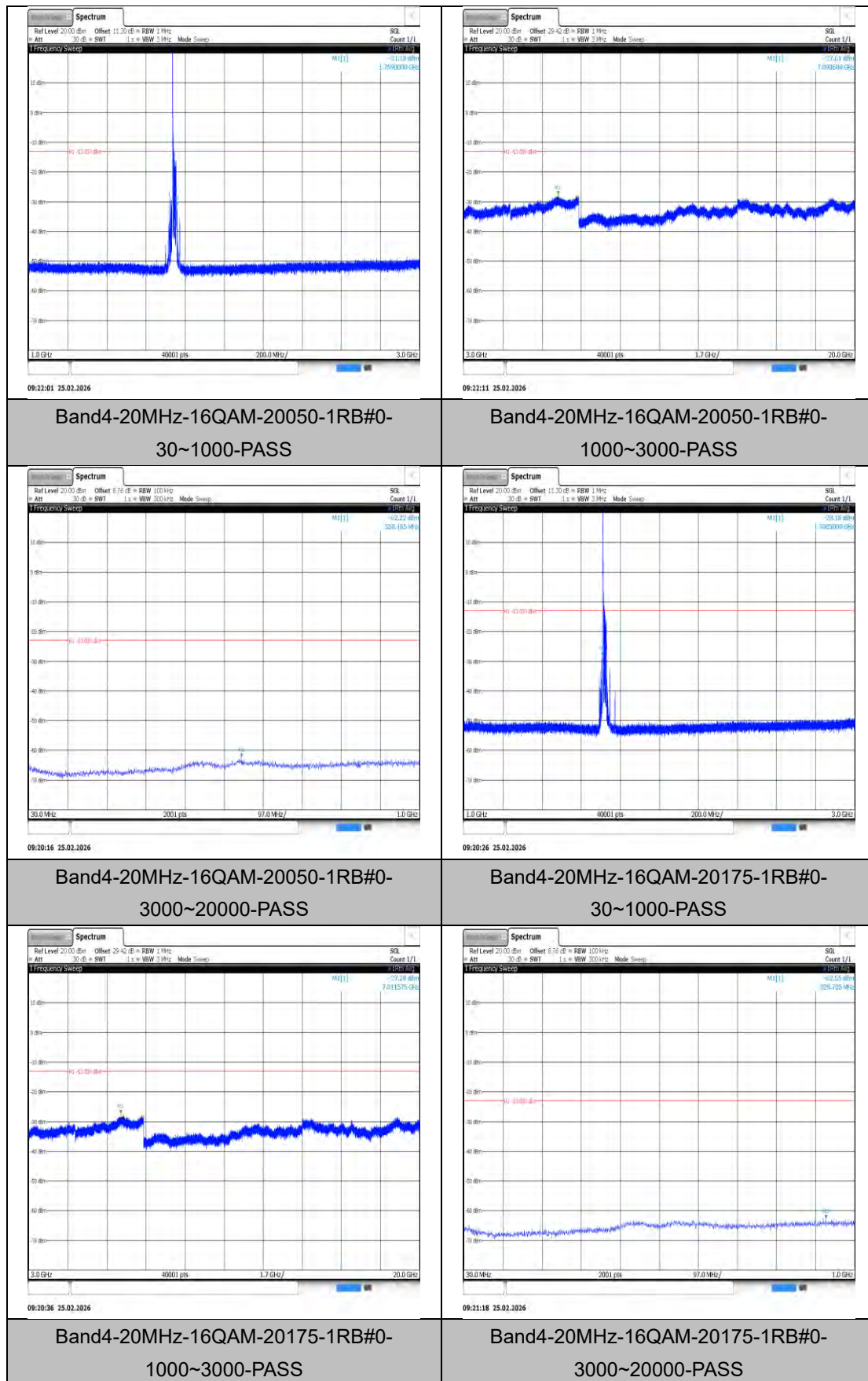
Band4-20MHz-QPSK-20300-1RB#0-30~1000-PASS

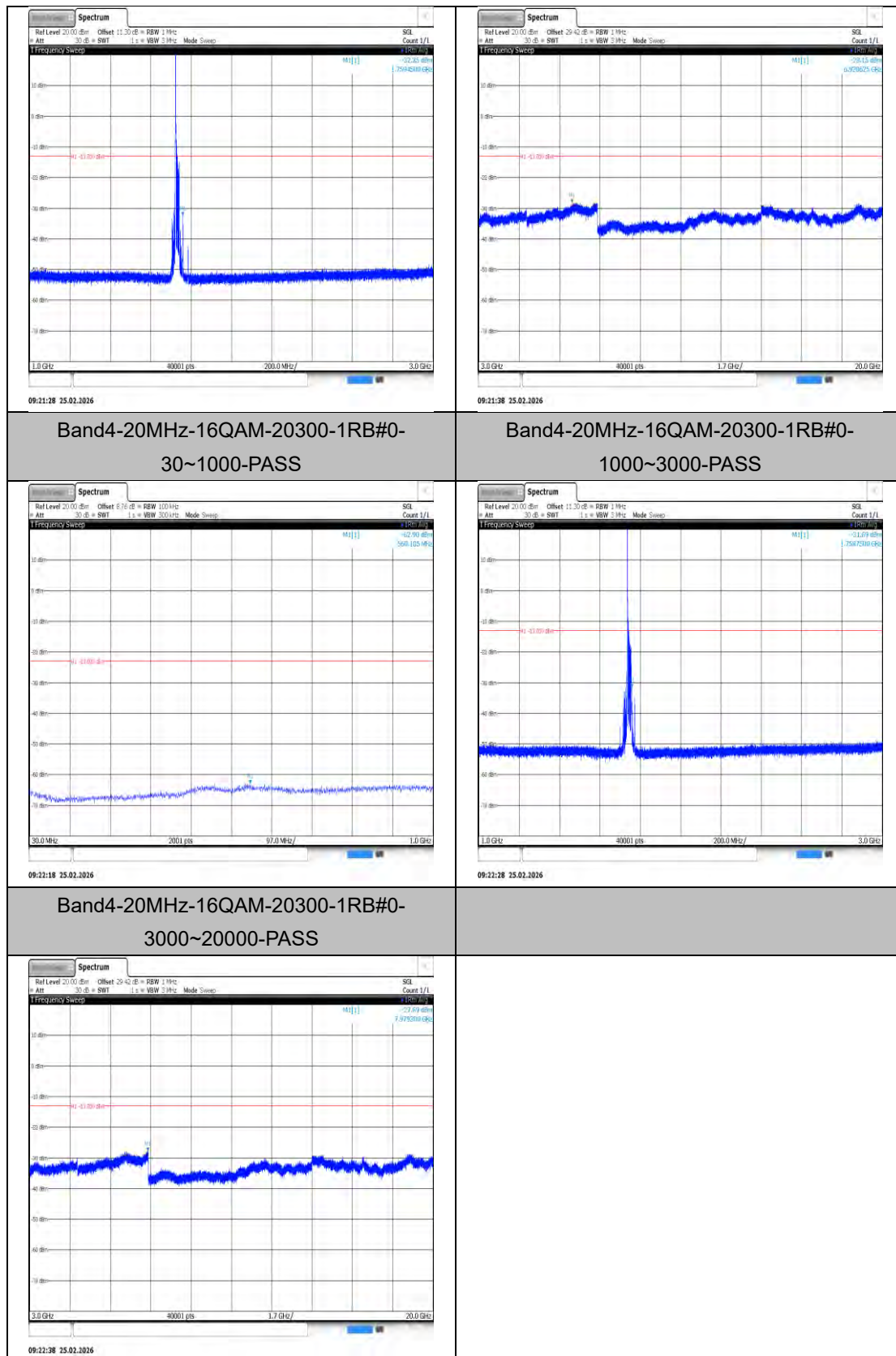


Band4-20MHz-QPSK-20300-1RB#0-1000~3000-PASS



Band4-20MHz-QPSK-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	44.60	0.025743	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	33.72	0.019463	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	36.81	0.021247	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	10.44	0.006026	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	16.61	0.009587	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	15.62	0.009016	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-15.79	-0.009114	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	-38.51	-0.022228	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-42.79	-0.024698	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-15.19	-0.008768	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	18.87	0.010892	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	45.25	0.026118	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-22.50	-0.012987	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	30.36	0.017524	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	13.26	0.007654	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	41.16	0.023758	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	34.79	0.020081	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	31.43	0.018141	±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	23.09	0.013328	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	21.07	0.012162	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	30.73	0.017737	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	24.42	0.014095	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	5.26	0.003036	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-19.37	-0.011180	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	-32.83	-0.018949	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	6.34	0.003659	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	-33.60	-0.019394	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-34.78	-0.020075	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	17.68	0.010205	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	23.79	0.013732	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	31.00	0.017893	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	22.92	0.013229	±2.5	PASS

Band4	3MHz	QPSK	20175	15RB#0	NV	20	13.45	0.007763	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	32.99	0.019042	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	25.61	0.014782	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	24.56	0.014176	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	-55.91	-0.032271	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-41.89	-0.024179	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	-48.49	-0.027988	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	6.75	0.003896	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-33.86	-0.019544	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	-36.99	-0.021351	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	-23.49	-0.013558	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-36.88	-0.021287	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-15.35	-0.008860	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	34.86	0.020121	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	15.59	0.008999	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	26.42	0.015250	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	25.39	0.014655	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	10.56	0.006095	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	44.03	0.025414	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	10.63	0.006136	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	26.61	0.015359	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	27.82	0.016058	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-32.03	-0.018488	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-16.71	-0.009645	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	19.54	0.011278	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	35.18	0.020306	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	39.61	0.022863	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	6.71	0.003873	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	-8.48	-0.004895	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-31.64	-0.018263	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-3.59	-0.002072	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	36.99	0.021351	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	23.06	0.013310	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	19.17	0.011065	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	28.77	0.016606	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-3.56	-0.002055	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	11.13	0.006424	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-18.44	-0.010644	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	22.44	0.012952	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	44.39	0.025622	±2.5	PASS