



CTC Laboratories, Inc.

Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China
Tel: +86-755- 27521059 Fax: +86-755- 27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

Appendix for LTE Band 5

Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD

Address: 80 ROBINSON ROAD #02-00 SINGAPORE

Product Name: 4G Wireless Data Terminal

Model: GLMX23A01

FCC ID: 2BB6E-GLMX23A01

TABLE OF CONTENTS

1 Summary of Test Results Data and Graph..... 3

1.1. Appendix A: Conducted Power Output Data 3

1.2. Appendix B: Peak-to-Average Ratio(CCDF) 8

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth..... 26

1.4. Appendix D: Band Edge 34

1.5. Appendix E: Conducted Spurious Emission 52

1.6. Appendix F: Frequency Stability 96

1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	21.79	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	20.56	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	21.90	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	20.61	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	21.94	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	20.61	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	21.73	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.68	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	21.69	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.65	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	21.90	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.85	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	20.66	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	19.34	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.49	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.25	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.64	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.42	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.68	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.42	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.62	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.61	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.62	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.62	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.85	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.84	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.76	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.62	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.02	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	20.74	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	21.81	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	20.65	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.59	PASS

Band5	1.4MHz	16QAM	20643	1RB#5	20.44	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.76	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.73	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	21.73	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.72	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	21.71	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.66	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	20.79	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	19.80	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.03	PASS
Band5	3MHz	16QAM	20415	1RB#0	20.80	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.93	PASS
Band5	3MHz	16QAM	20415	1RB#8	20.88	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.63	PASS
Band5	3MHz	16QAM	20415	1RB#14	20.65	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.77	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.78	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.79	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.79	PASS
Band5	3MHz	QPSK	20415	8RB#7	20.81	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.80	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.79	PASS
Band5	3MHz	16QAM	20415	15RB#0	19.73	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.56	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.47	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.71	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.59	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.52	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.35	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.76	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.78	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.80	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.81	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.81	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.80	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.80	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.69	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.11	PASS

Band5	3MHz	16QAM	20635	1RB#0	20.93	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.98	PASS
Band5	3MHz	16QAM	20635	1RB#8	20.75	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.69	PASS
Band5	3MHz	16QAM	20635	1RB#14	20.27	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.05	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.06	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.08	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.08	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.07	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.08	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.10	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.47	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.20	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.50	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.26	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.42	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.33	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.39	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.35	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.35	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.35	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.55	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.54	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.47	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.43	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.96	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.07	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.09	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.25	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.99	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.09	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.26	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.30	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.32	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.35	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.44	PASS

Band5	5MHz	16QAM	20525	12RB#13	22.42	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.33	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.30	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.17	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.73	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.62	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.35	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.18	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.50	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.58	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.48	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.50	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.68	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.67	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.69	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.72	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.20	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.82	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.80	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.61	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.89	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.94	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.68	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.52	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.49	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.44	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.91	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.94	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.87	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.77	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.87	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.14	PASS
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Band5	10MHz	QPSK	20525	1RB#49	22.90	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.02	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.27	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.31	PASS

Band5	10MHz	QPSK	20525	25RB#12	22.31	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.33	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.32	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.31	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.19	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.04	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.34	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.17	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.64	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.34	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.87	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.88	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.89	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.90	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.82	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.83	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.84	PASS

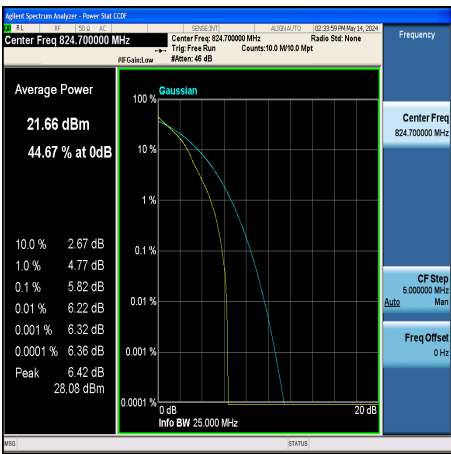
1.2. Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

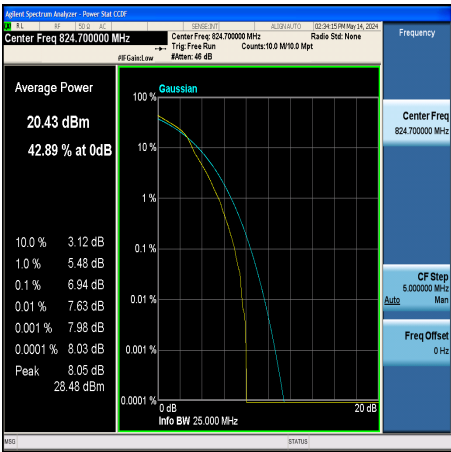
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.82	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.94	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	6.20	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	7.04	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.12	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.94	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.68	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.63	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.64	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.78	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.38	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.19	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.41	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.26	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.83	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.74	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.80	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.53	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.66	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.50	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.70	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.71	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.97	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.87	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.35	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.11	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.46	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.41	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.73	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.30	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.55	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.79	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.56	13	PASS

Band5	5MHz	QPSK	20625	25RB#0	4.70	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.48	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	6.64	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.70	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.52	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.82	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.80	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.22	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.23	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.61	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	4.60	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.01	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.03	13	PASS

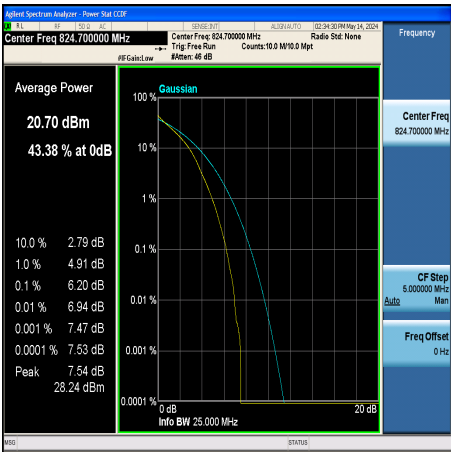
Test Graphs



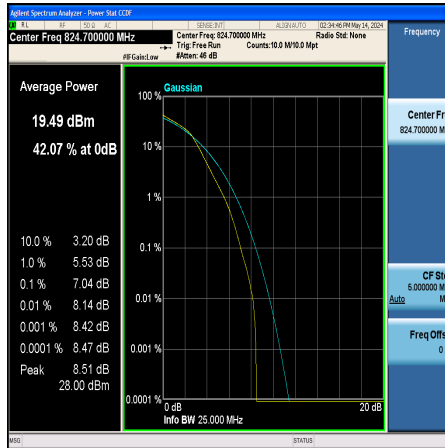
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



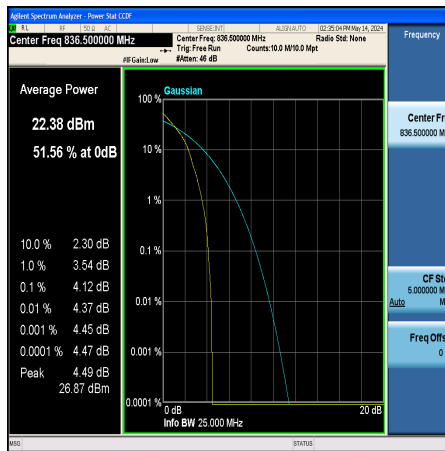
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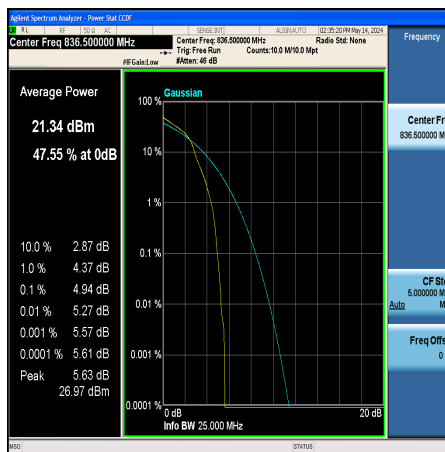
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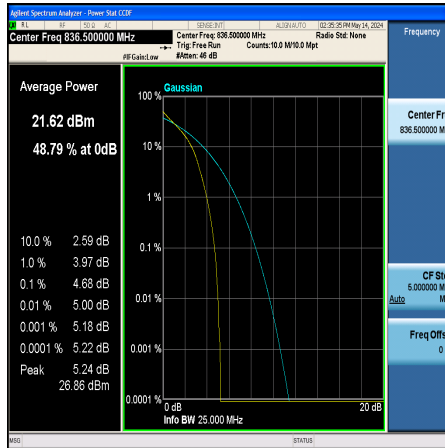
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



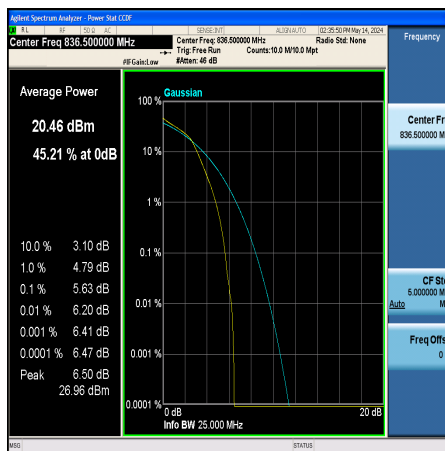
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



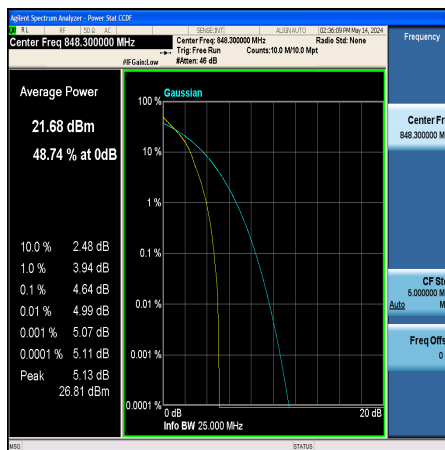
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



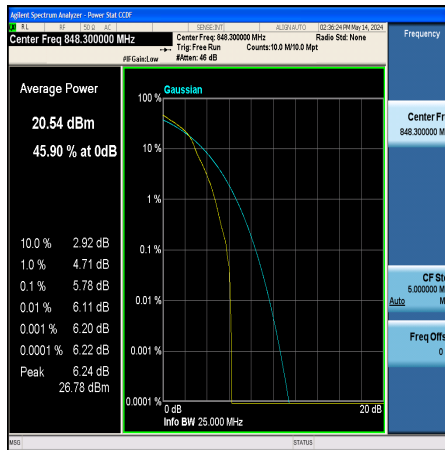
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



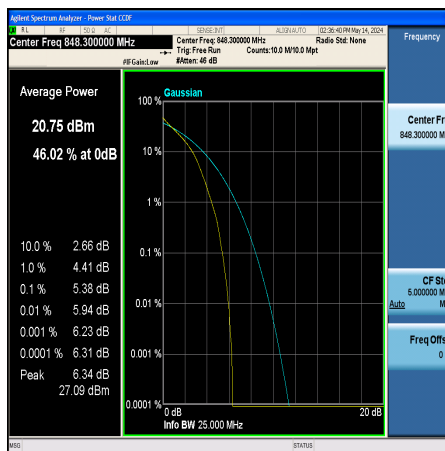
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



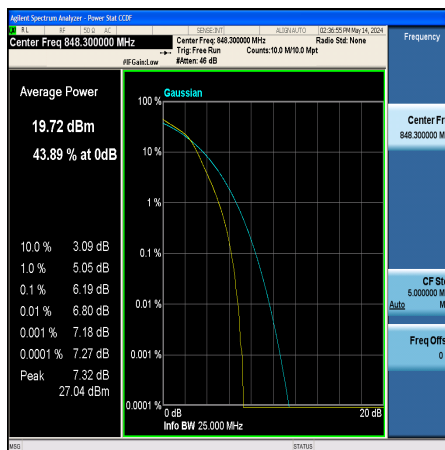
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



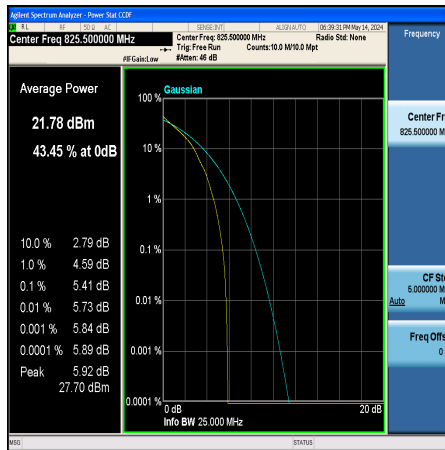
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



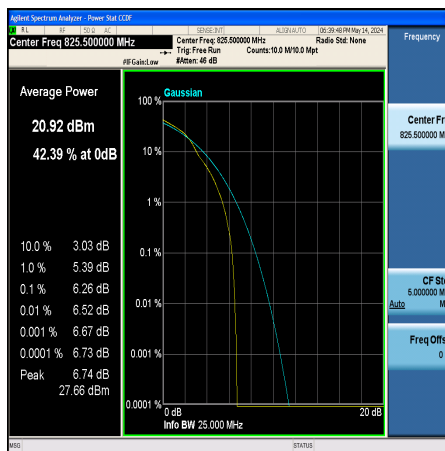
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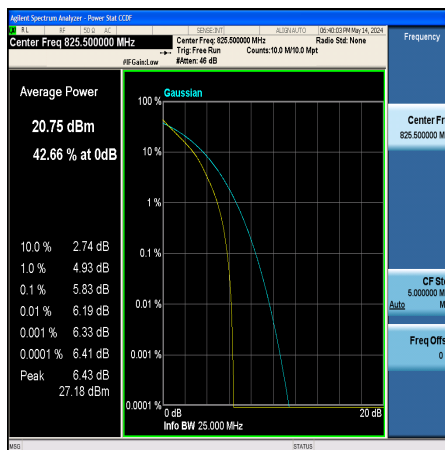
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



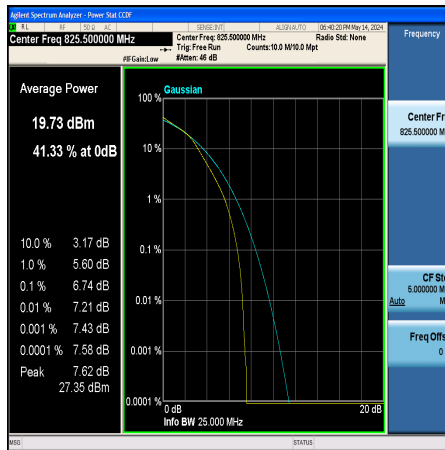
Band5-3MHz-QPSK-20415-1RB#0-PASS



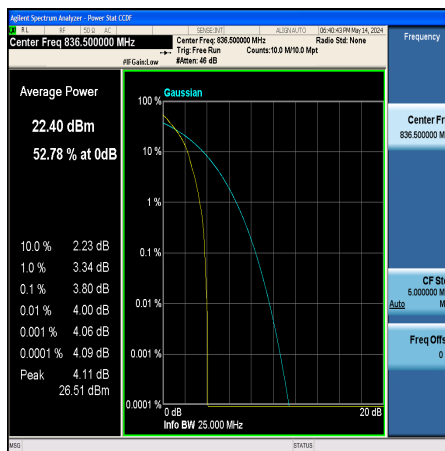
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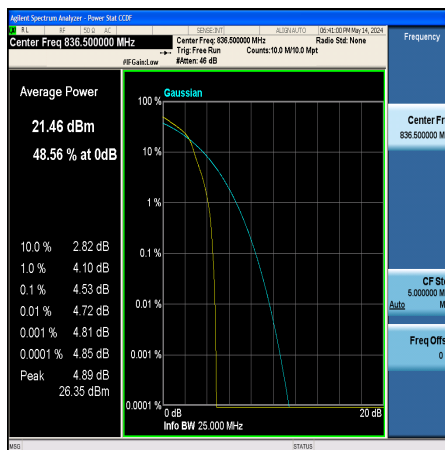
Band5-3MHz-QPSK-20415-15RB#0-PASS



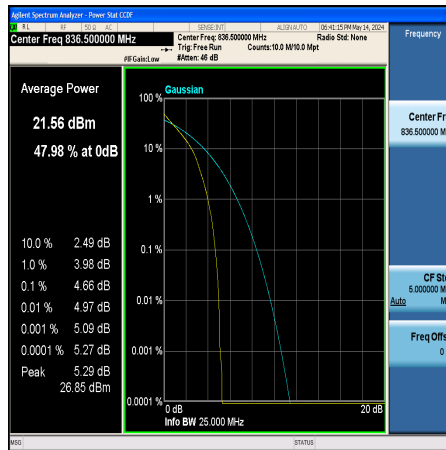
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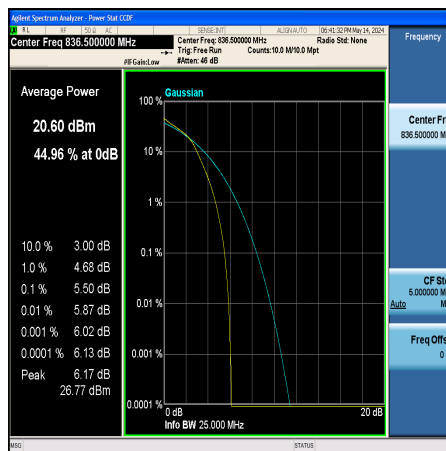
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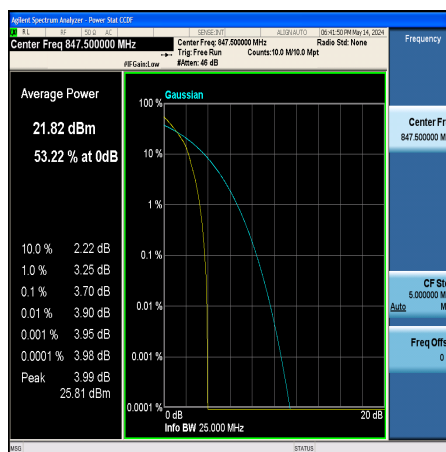
Band5-3MHz-16QAM-20525-1RB#0-PASS



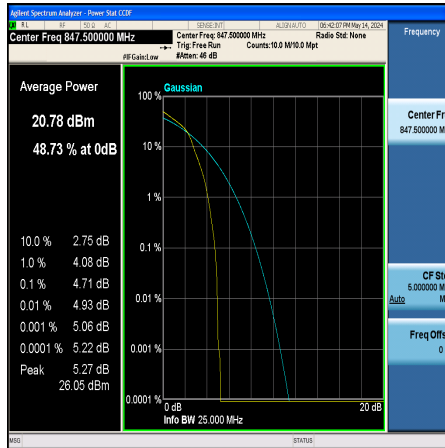
Band5-3MHz-QPSK-20525-15RB#0-PASS



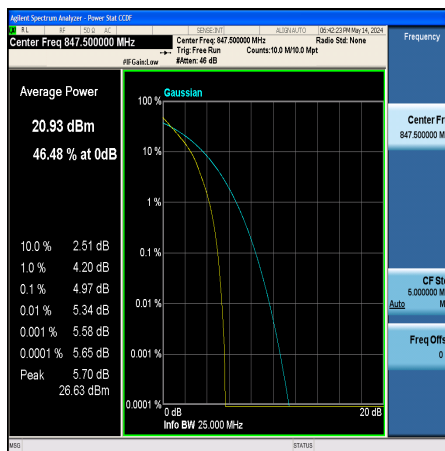
Band5-3MHz-16QAM-20525-15RB#0-PASS



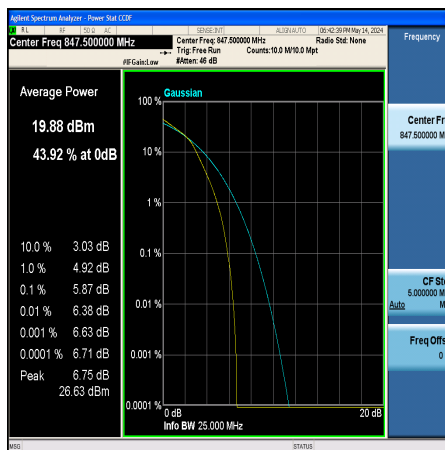
Band5-3MHz-QPSK-20635-1RB#0-PASS



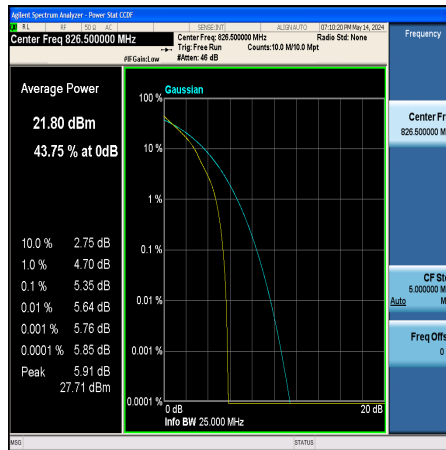
Band5-3MHz-16QAM-20635-1RB#0-PASS



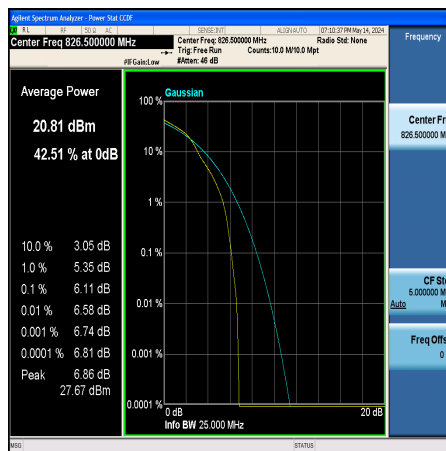
Band5-3MHz-QPSK-20635-15RB#0-PASS



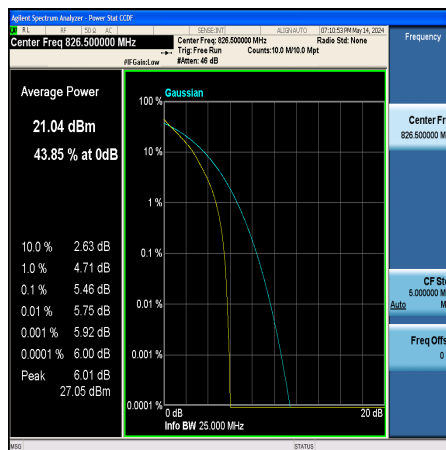
Band5-3MHz-16QAM-20635-15RB#0-PASS



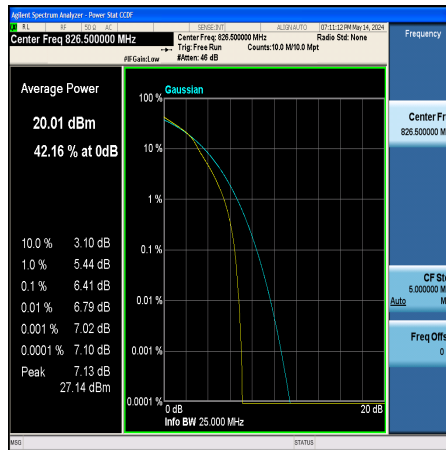
Band5-5MHz-QPSK-20425-1RB#0-PASS



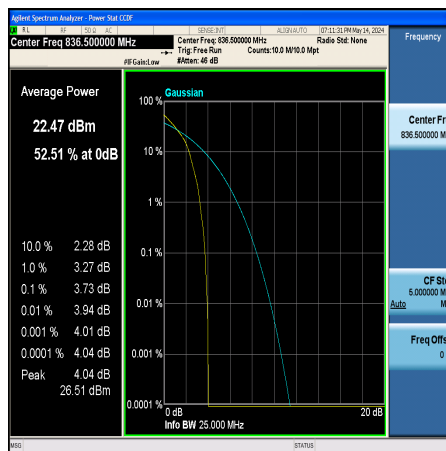
Band5-5MHz-16QAM-20425-1RB#0-PASS



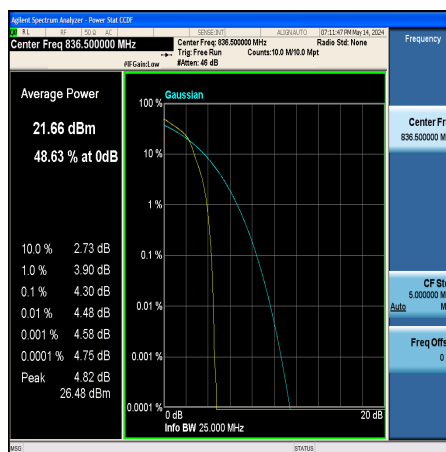
Band5-5MHz-QPSK-20425-25RB#0-PASS



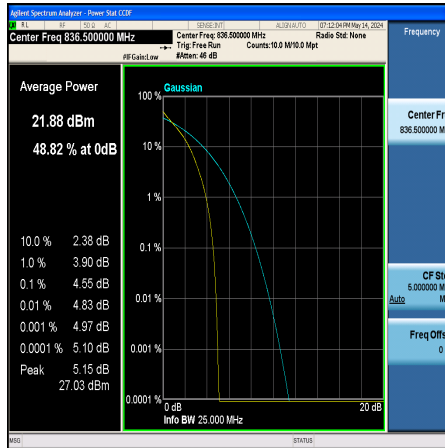
Band5-5MHz-16QAM-20425-25RB#0-PASS



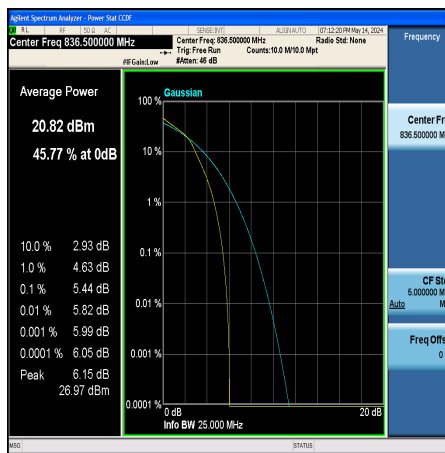
Band5-5MHz-QPSK-20525-1RB#0-PASS



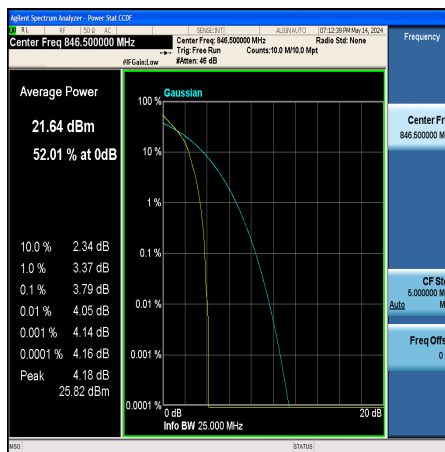
Band5-5MHz-16QAM-20525-1RB#0-PASS



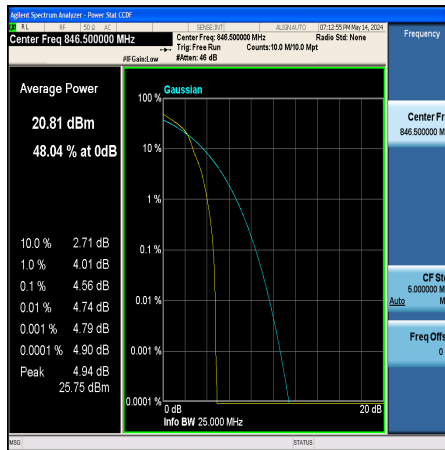
Band5-5MHz-QPSK-20525-25RB#0-PASS



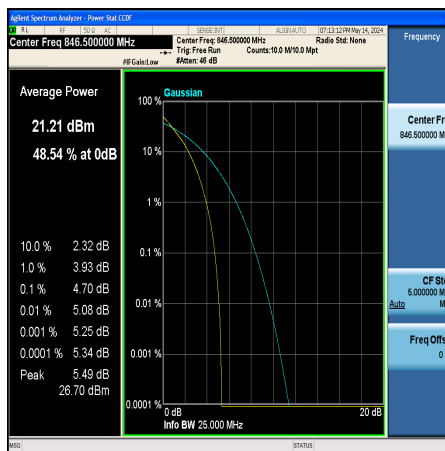
Band5-5MHz-16QAM-20525-25RB#0-PASS



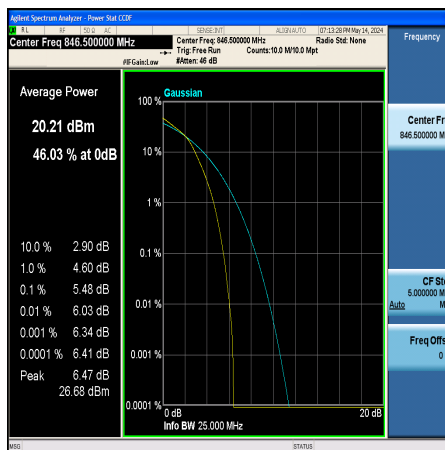
Band5-5MHz-QPSK-20625-1RB#0-PASS



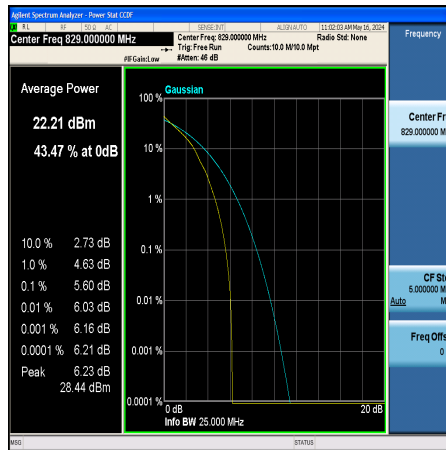
Band5-5MHz-16QAM-20625-1RB#0-PASS



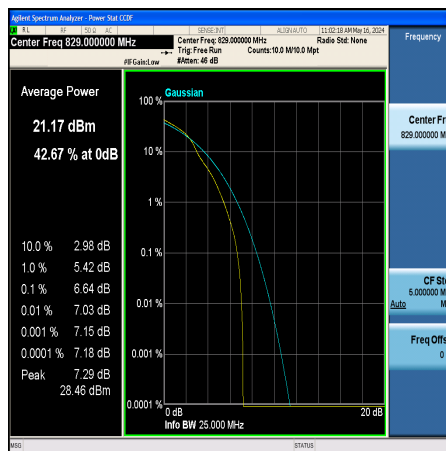
Band5-5MHz-QPSK-20625-25RB#0-PASS



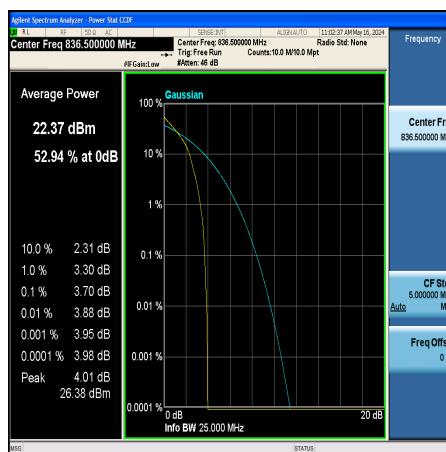
Band5-5MHz-16QAM-20625-25RB#0-PASS



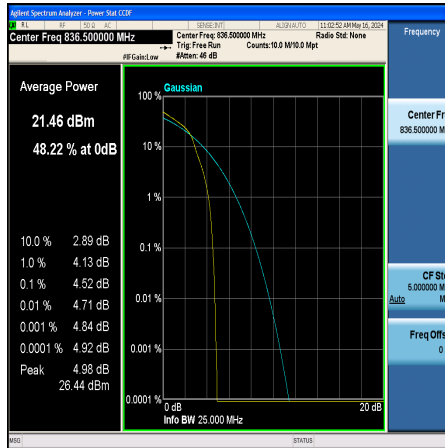
Band5-10MHz-QPSK-20450-1RB#0-PASS



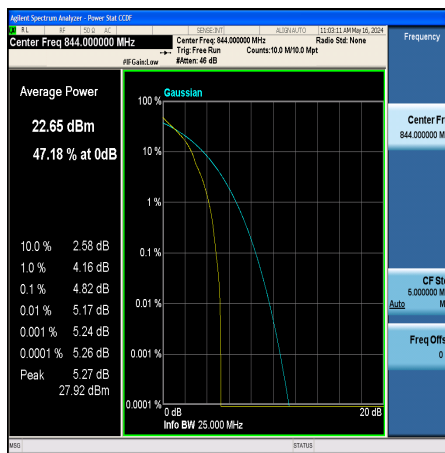
Band5-10MHz-16QAM-20450-1RB#0-PASS



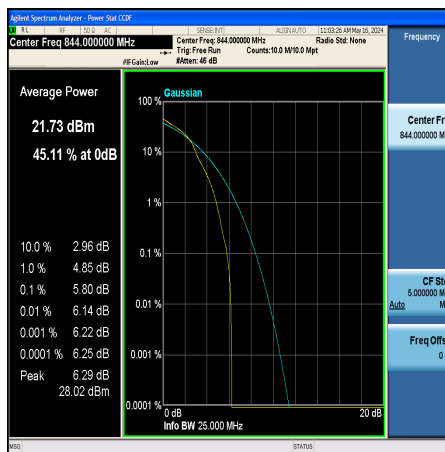
Band5-10MHz-QPSK-20525-1RB#0-PASS



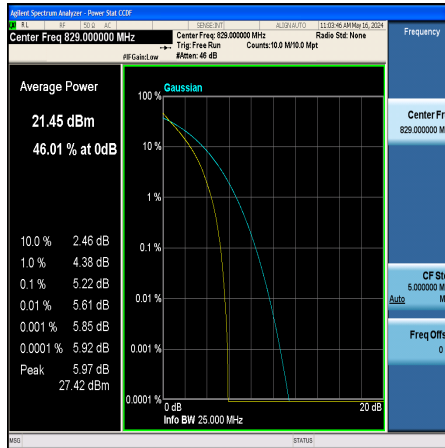
Band5-10MHz-16QAM-20525-1RB#0-PASS



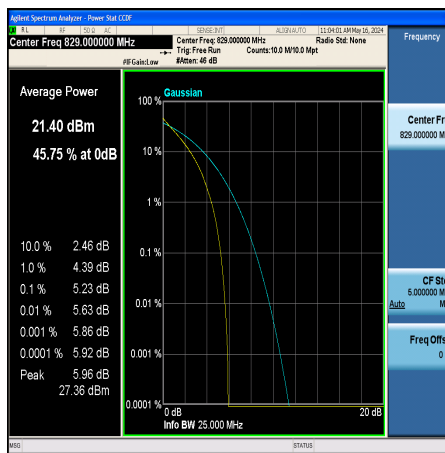
Band5-10MHz-QPSK-20600-1RB#0-PASS



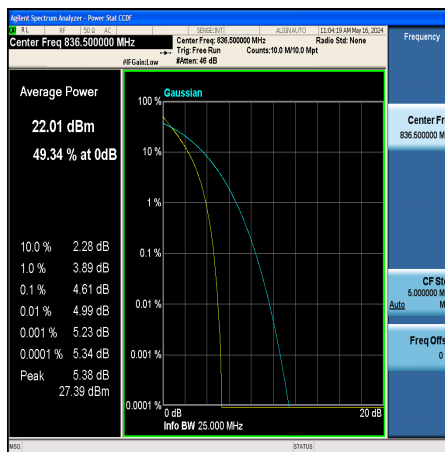
Band5-10MHz-16QAM-20600-1RB#0-PASS



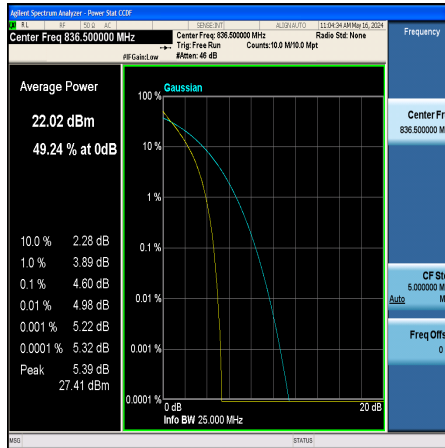
Band5-10MHz-QPSK-20450-50RB#0-PASS



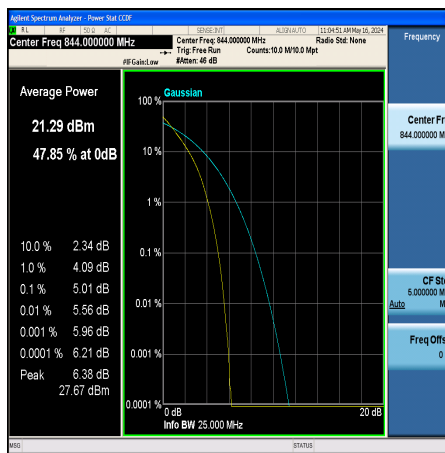
Band5-10MHz-16QAM-20450-50RB#0-PASS



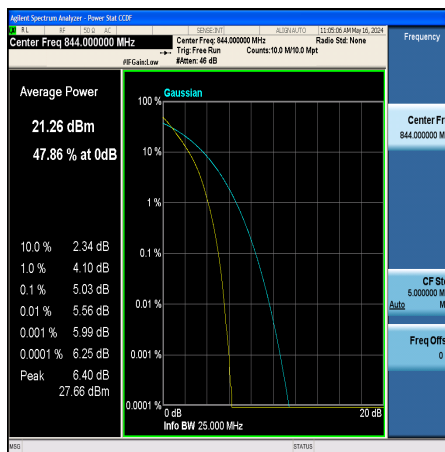
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



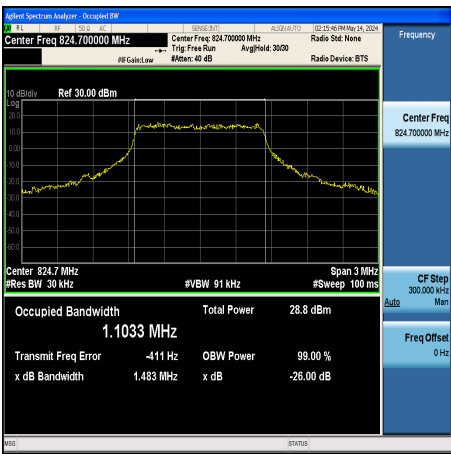
Band5-10MHz-16QAM--20600-50RB#0-PASS

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

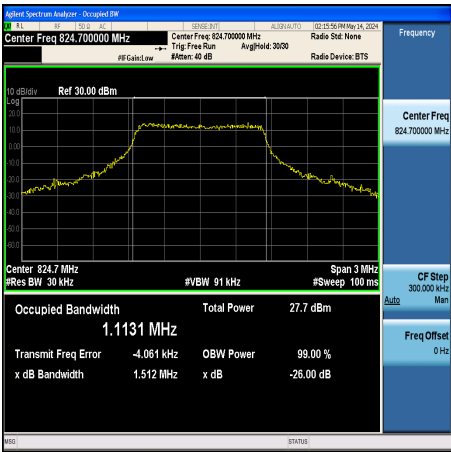
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.1033	1.483	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1131	1.512	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1059	1.480	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0997	1.474	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0988	1.425	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1149	1.458	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7115	3.169	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7038	3.146	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6990	3.195	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7032	3.213	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6993	3.176	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6972	3.155	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5025	5.115	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5040	5.101	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4908	5.099	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4995	5.099	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5036	5.111	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5135	5.118	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9930	9.925	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9778	9.889	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9895	9.876	PASS

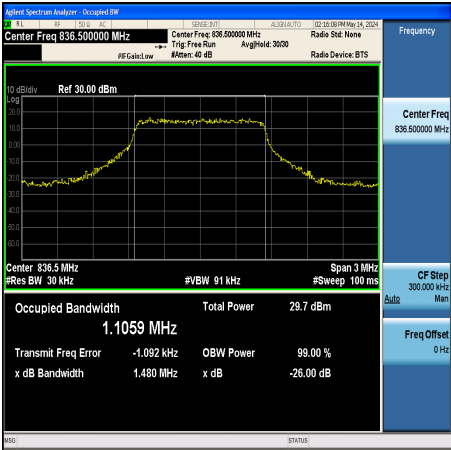
Test Graphs



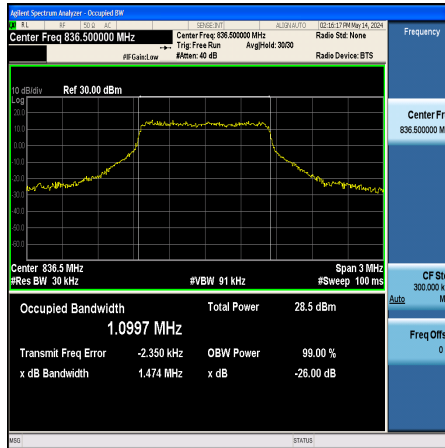
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



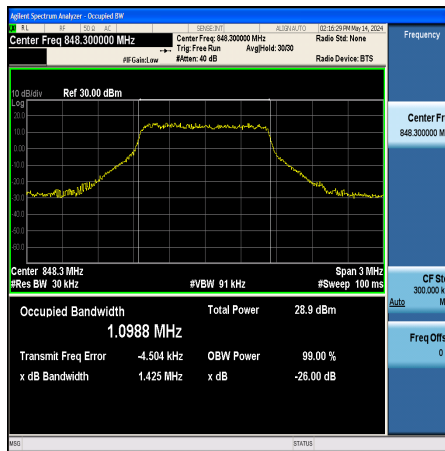
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



Band5-1.4MHz-QPSK-20525-6RB#0-PASS



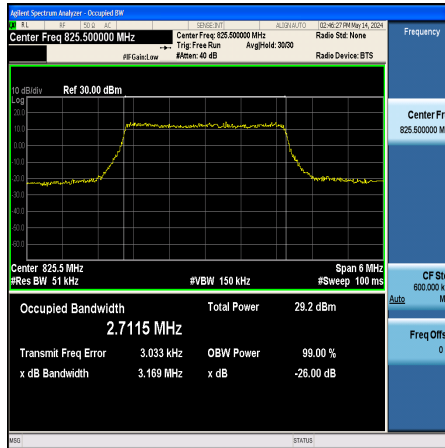
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



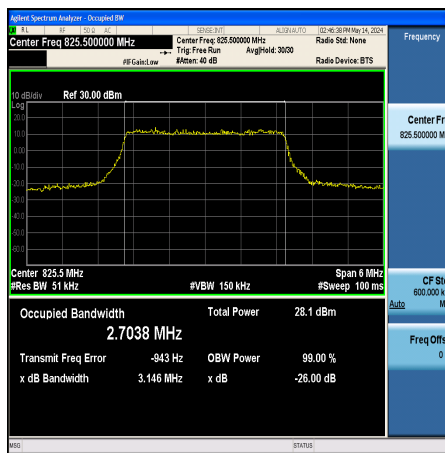
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



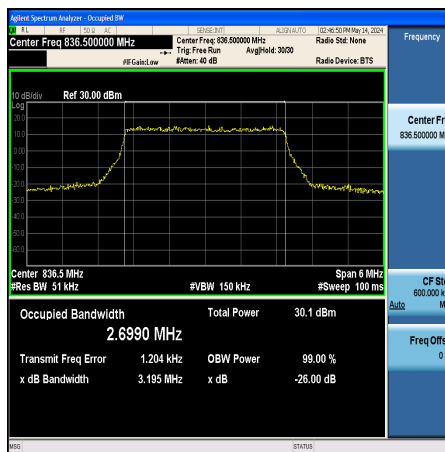
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



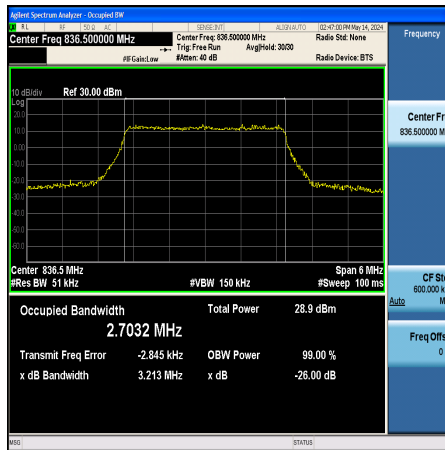
Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS



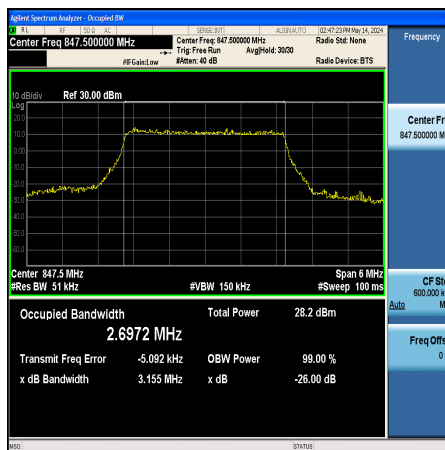
Band5-3MHz-QPSK-20525-15RB#0-PASS



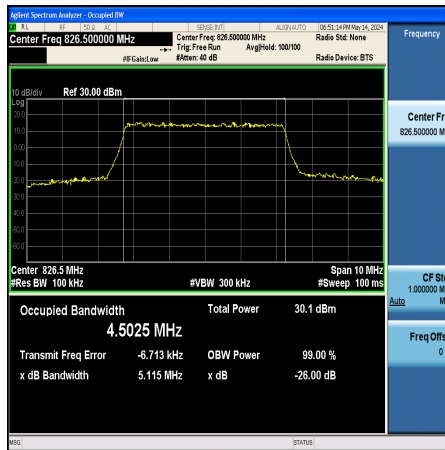
Band5-3MHz-16QAM-20525-15RB#0-PASS



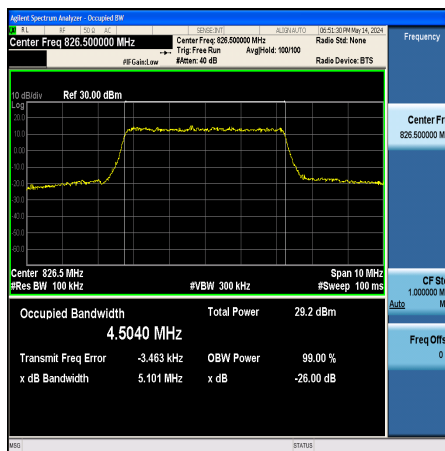
Band5-3MHz-QPSK-20635-15RB#0-PASS



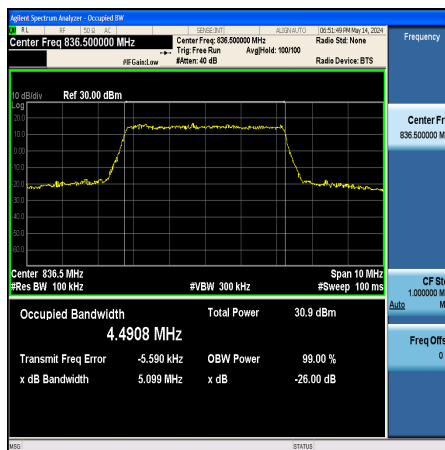
Band5-3MHz-16QAM-20635-15RB#0-PASS



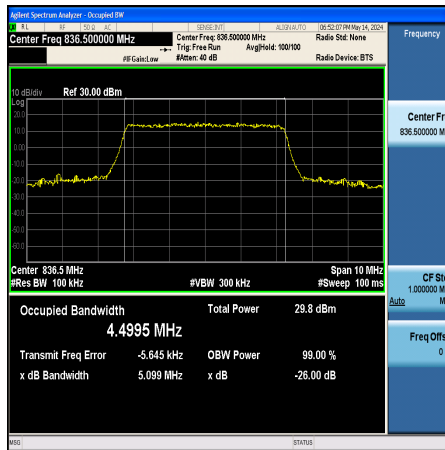
Band5-5MHz-QPSK-20425-25RB#0-PASS



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



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



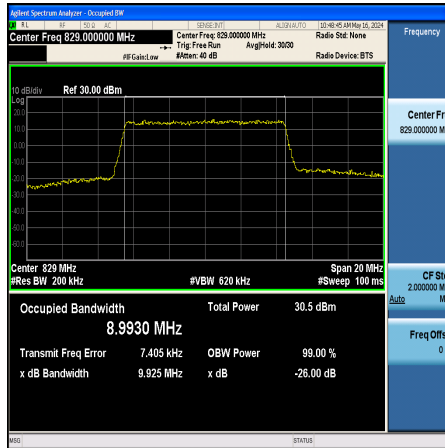
Band5-5MHz-16QAM-20525-25RB#0-PASS



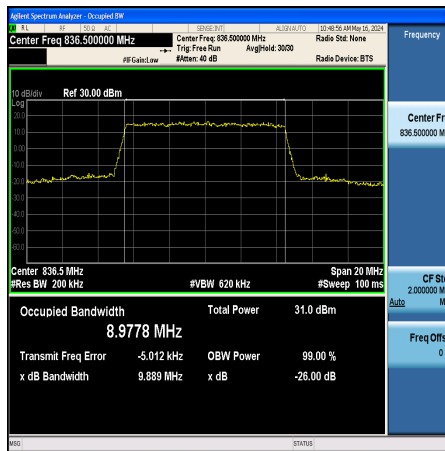
Band5-5MHz-QPSK-20625-25RB#0-PASS



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



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



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



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

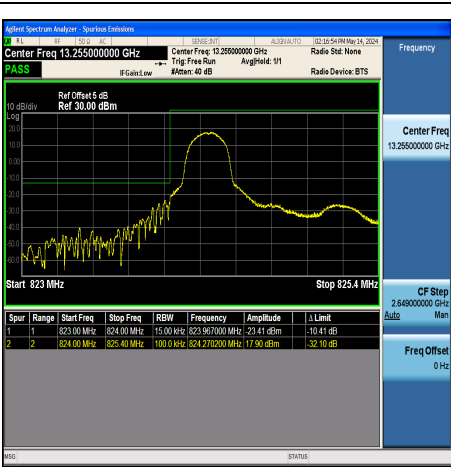
1.4. Appendix D: Band Edge

Test Result

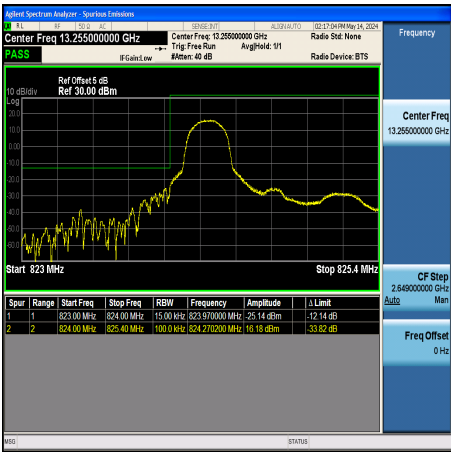
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-23.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-25.14	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-24.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-34.44	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-22.64	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-24.24	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-28.37	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-26.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-16.76	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-18.96	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-21.75	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-20.51	PASS
Band5	3MHz	QPSK	20415	1RB#0	-19.59	PASS
Band5	3MHz	16QAM	20415	1RB#0	-20.56	PASS
Band5	3MHz	QPSK	20415	1RB#14	-33.02	PASS
Band5	3MHz	16QAM	20415	1RB#14	-33.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.17	PASS
Band5	3MHz	16QAM	20415	15RB#0	-27.44	PASS
Band5	3MHz	QPSK	20635	1RB#0	-34.92	PASS
Band5	3MHz	16QAM	20635	1RB#0	-36.41	PASS
Band5	3MHz	QPSK	20635	1RB#14	-20.90	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.56	PASS
Band5	3MHz	QPSK	20635	15RB#0	-30.39	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.87	PASS
Band5	5MHz	QPSK	20425	1RB#0	-26.89	PASS
Band5	5MHz	16QAM	20425	1RB#0	-28.36	PASS
Band5	5MHz	QPSK	20425	1RB#24	-42.08	PASS
Band5	5MHz	16QAM	20425	1RB#24	-43.70	PASS
Band5	5MHz	QPSK	20425	25RB#0	-29.85	PASS
Band5	5MHz	16QAM	20425	25RB#0	-30.83	PASS
Band5	5MHz	QPSK	20625	1RB#0	-45.67	PASS
Band5	5MHz	16QAM	20625	1RB#0	-48.04	PASS
Band5	5MHz	QPSK	20625	1RB#24	-25.75	PASS

Band5	5MHz	16QAM	20625	1RB#24	-28.16	PASS
Band5	5MHz	QPSK	20625	25RB#0	-33.48	PASS
Band5	5MHz	16QAM	20625	25RB#0	-34.29	PASS
Band5	10MHz	QPSK	20450	1RB#0	-38.54	PASS
Band5	10MHz	16QAM	20450	1RB#0	-40.37	PASS
Band5	10MHz	QPSK	20450	1RB#49	-50.43	PASS
Band5	10MHz	16QAM	20450	1RB#49	-51.66	PASS
Band5	10MHz	QPSK	20600	1RB#0	-51.56	PASS
Band5	10MHz	16QAM	20600	1RB#0	-51.82	PASS
Band5	10MHz	QPSK	20600	1RB#49	-40.20	PASS
Band5	10MHz	16QAM	20600	1RB#49	-39.85	PASS
Band5	10MHz	QPSK	20450	50RB#0	-33.84	PASS
Band5	10MHz	QPSK	20600	50RB#0	-34.91	PASS

Test Graphs



Band5_1.4MHz_QPSK_20407_1RB#0



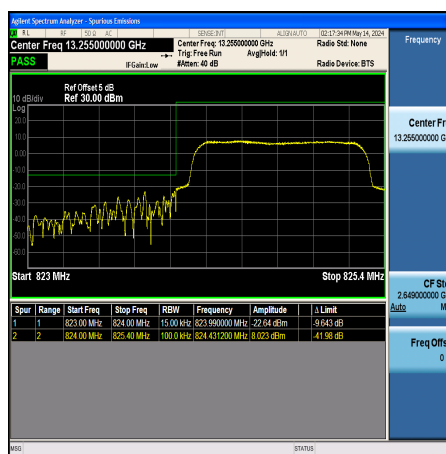
Band5_1.4MHz_16QAM_20407_1RB#0



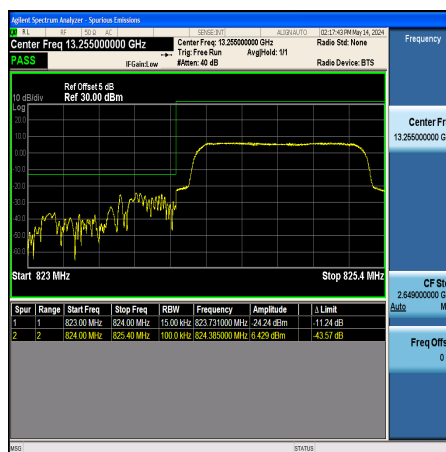
Band5_1.4MHz_QPSK_20407_1RB#5



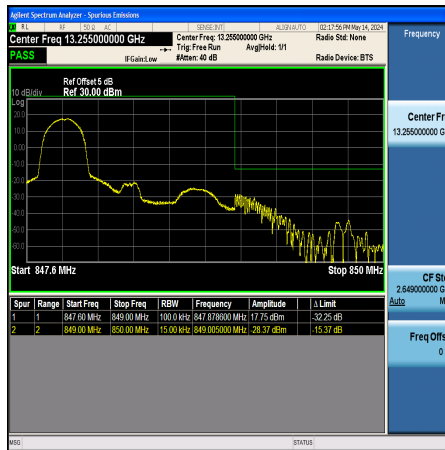
Band5_1.4MHz_16QAM_20407_1RB#5



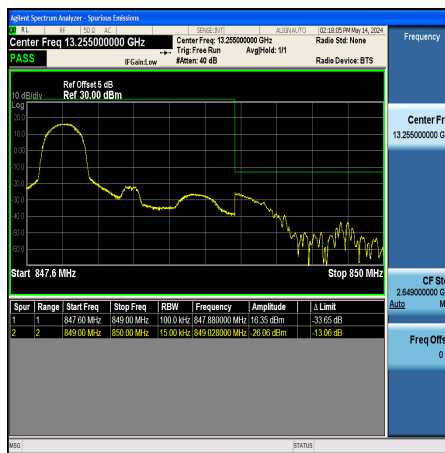
Band5_1.4MHz_QPSK_20407_6RB#0



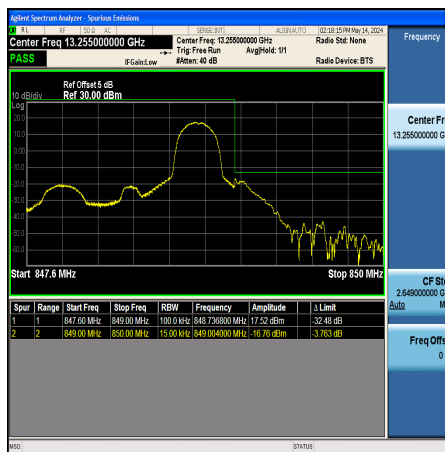
Band5_1.4MHz_16QAM_20407_6RB#0



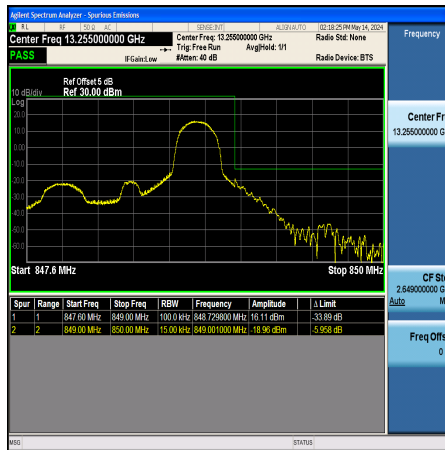
Band5_1.4MHz_QPSK_20643_1RB#0



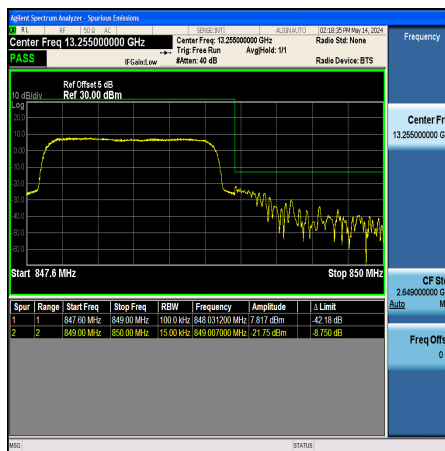
Band5_1.4MHz_16QAM_20643_1RB#0



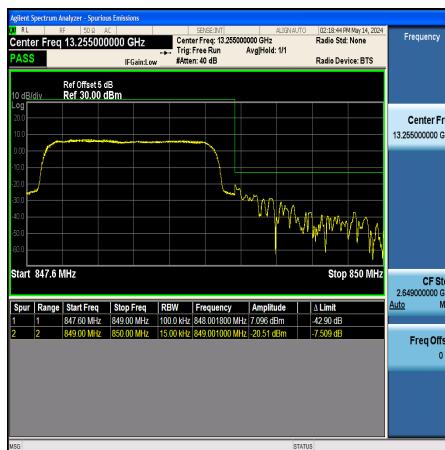
Band5_1.4MHz_QPSK_20643_1RB#5



Band5_1.4MHz_16QAM_20643_1RB#5



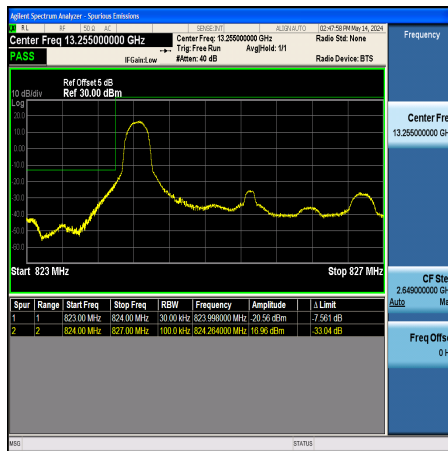
Band5_1.4MHz_QPSK_20643_6RB#0



Band5_1.4MHz_16QAM_20643_6RB#0



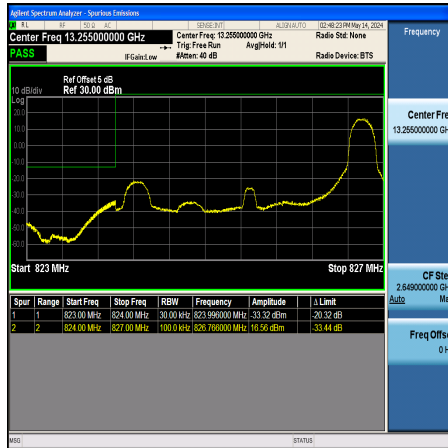
Band5_3MHz_QPSK_20415_1RB#0



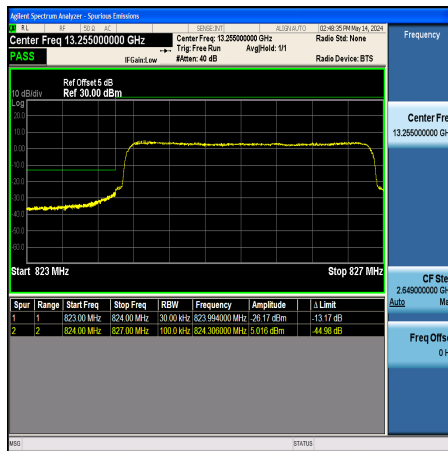
Band5_3MHz_16QAM_20415_1RB#0



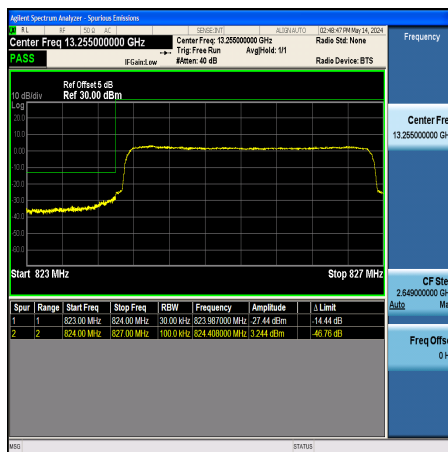
Band5_3MHz_QPSK_20415_1RB#14



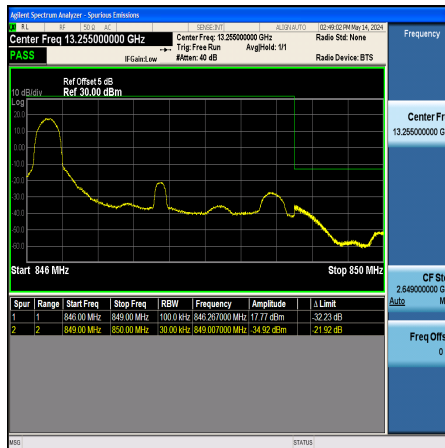
Band5_3MHz_16QAM_20415_1RB#14



Band5_3MHz_QPSK_20415_15RB#0



Band5_3MHz_16QAM_20415_15RB#0



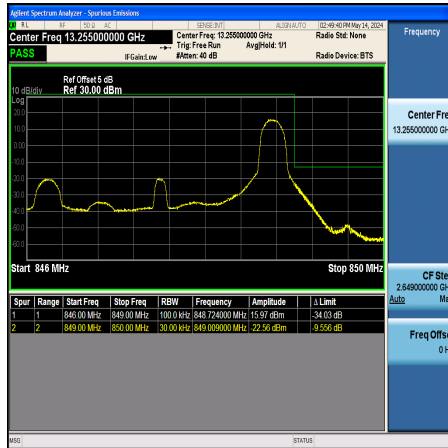
Band5_3MHz_QPSK_20635_1RB#0



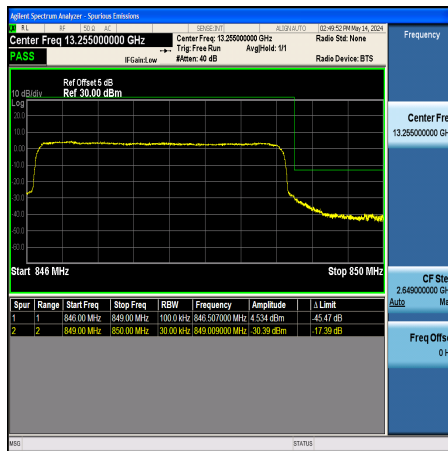
Band5_3MHz_16QAM_20635_1RB#0



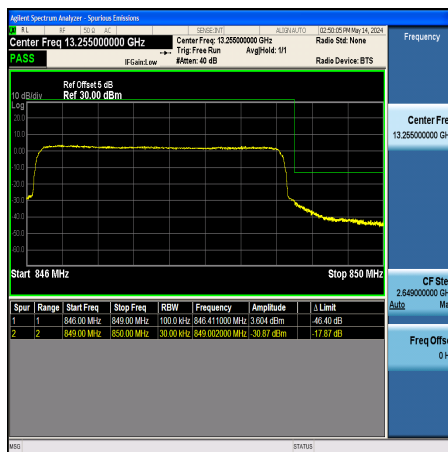
Band5_3MHz_QPSK_20635_1RB#14



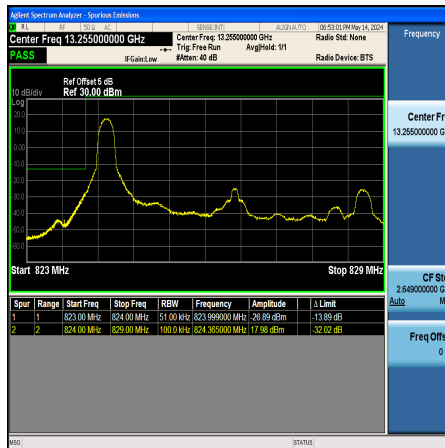
Band5_3MHz_16QAM_20635_1RB#14



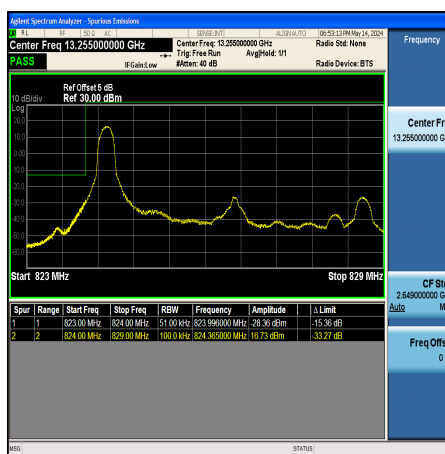
Band5_3MHz_QPSK_20635_15RB#0



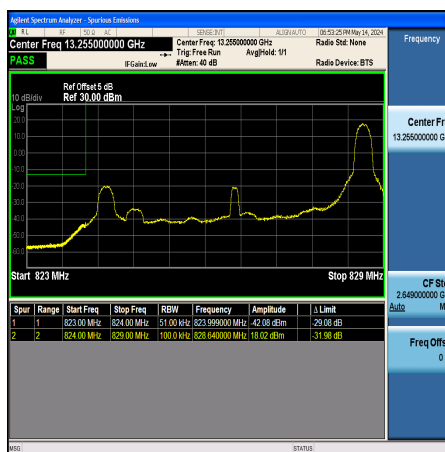
Band5_3MHz_16QAM_20635_15RB#0



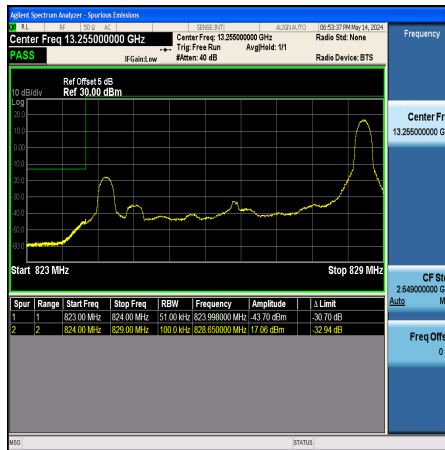
Band5_5MHz_QPSK_20425_1RB#0



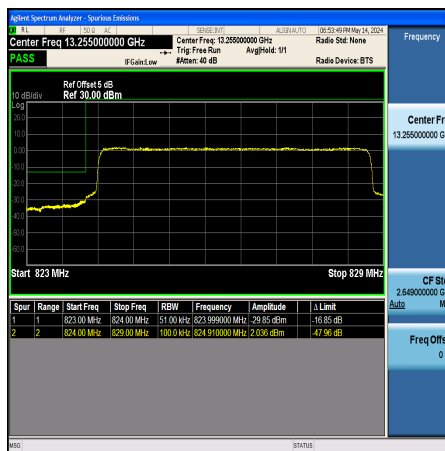
Band5_5MHz_16QAM_20425_1RB#0



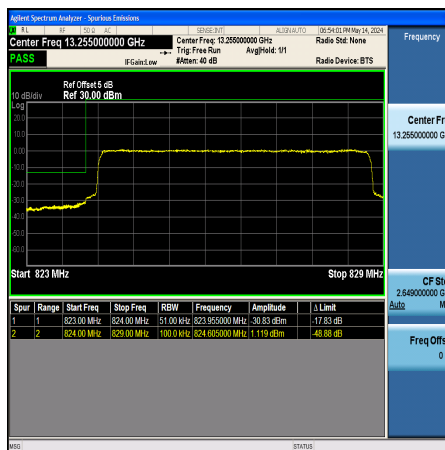
Band5_5MHz_QPSK_20425_1RB#24



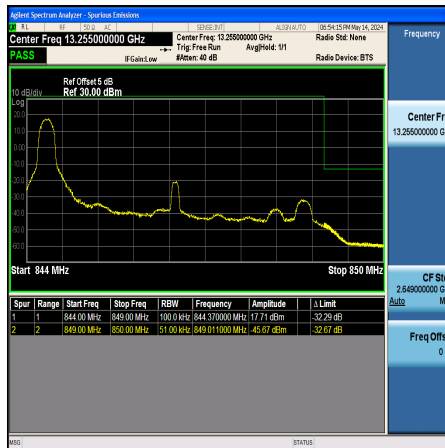
Band5_5MHz_16QAM_20425_1RB#24



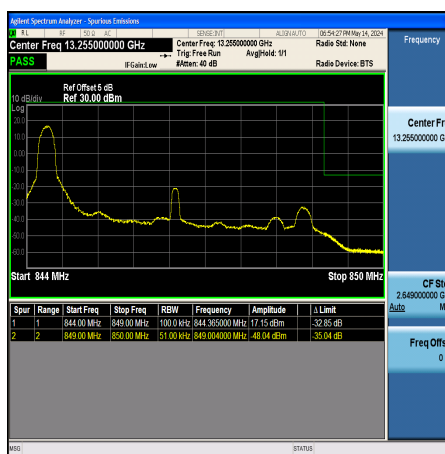
Band5_5MHz_QPSK_20425_25RB#0



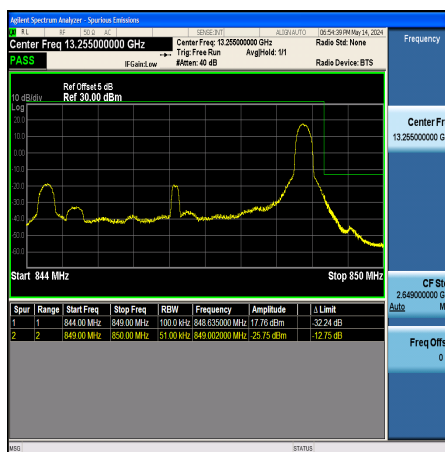
Band5_5MHz_16QAM_20425_25RB#0



Band5_5MHz_QPSK_20625_1RB#0



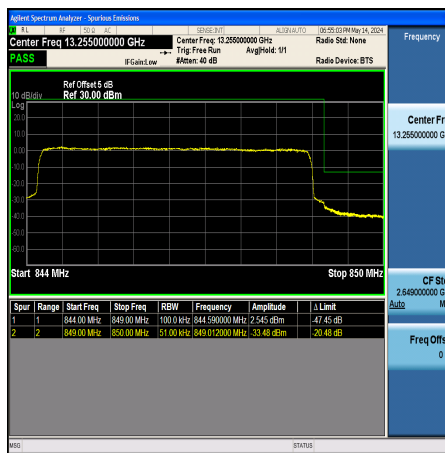
Band5_5MHz_16QAM_20625_1RB#0



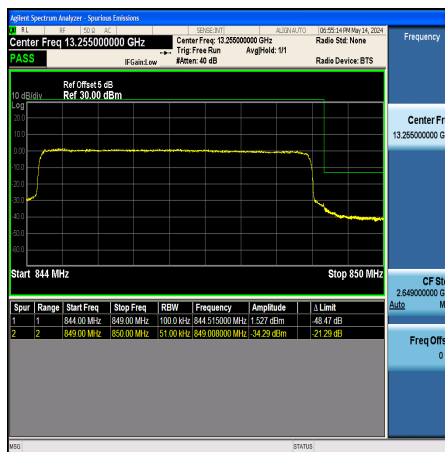
Band5_5MHz_QPSK_20625_1RB#24



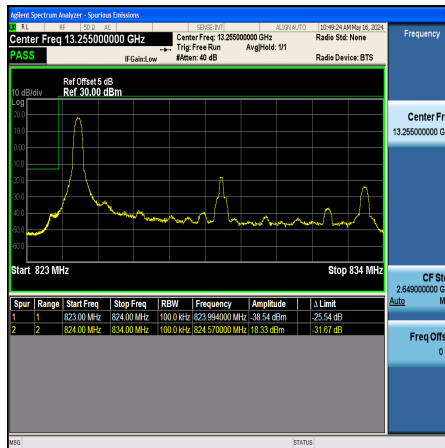
Band5_5MHz_16QAM_20625_1RB#24



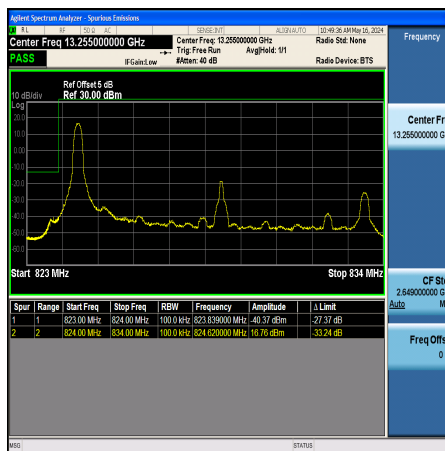
Band5_5MHz_QPSK_20625_25RB#0



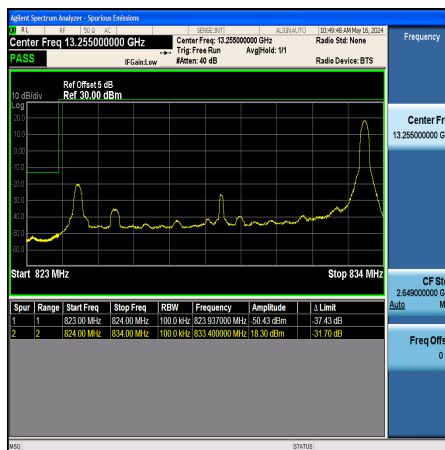
Band5_5MHz_16QAM_20625_25RB#0



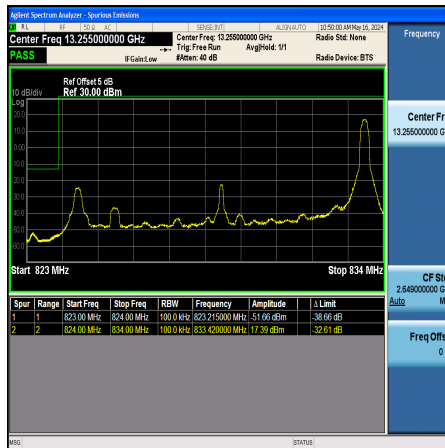
Band5_10MHz_QPSK_20450_1RB#0



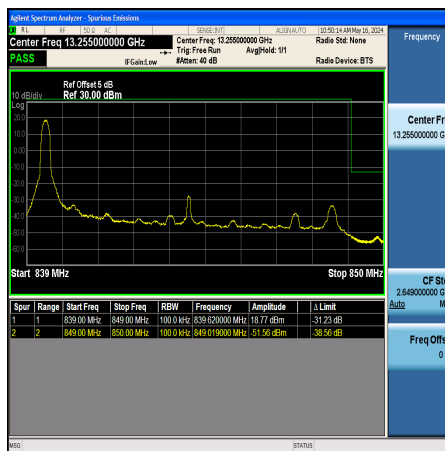
Band5_10MHz_16QAM_20450_1RB#0



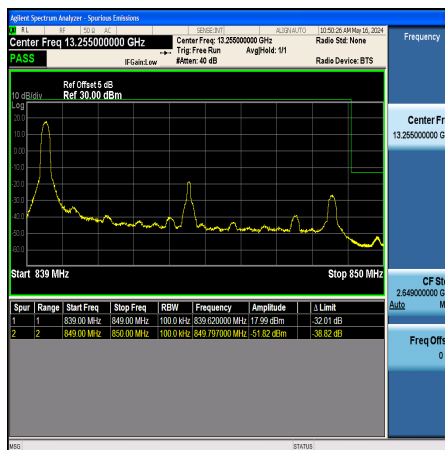
Band5_10MHz_QPSK_20450_1RB#49



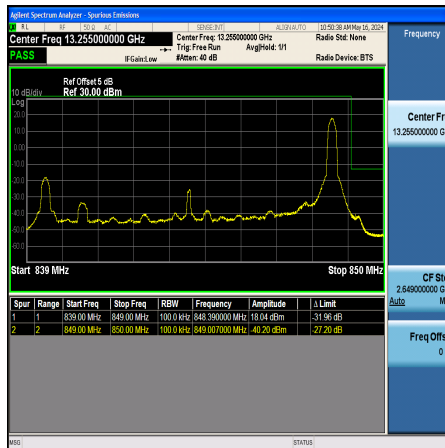
Band5_10MHz_16QAM_20450_1RB#49



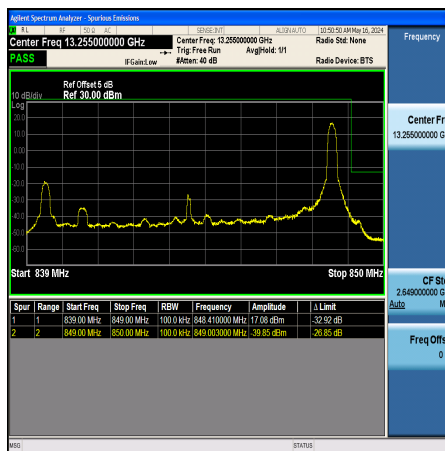
Band5_10MHz_QPSK_20600_1RB#0



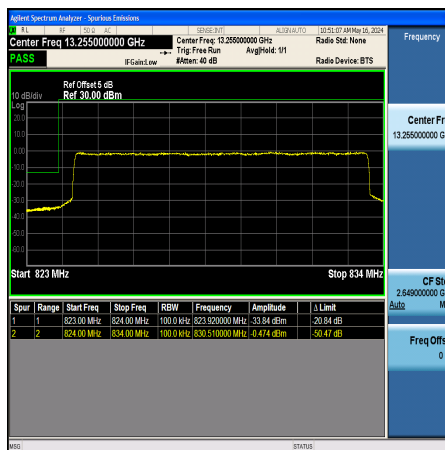
Band5_10MHz_16QAM_20600_1RB#0



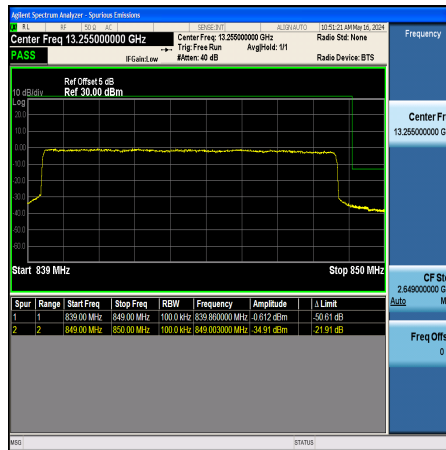
Band5_10MHz_QPSK_20600_1RB#49



Band5_10MHz_16QAM_20600_1RB#49



Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0

1.5. Appendix E: Conducted Spurious Emission

Test Result

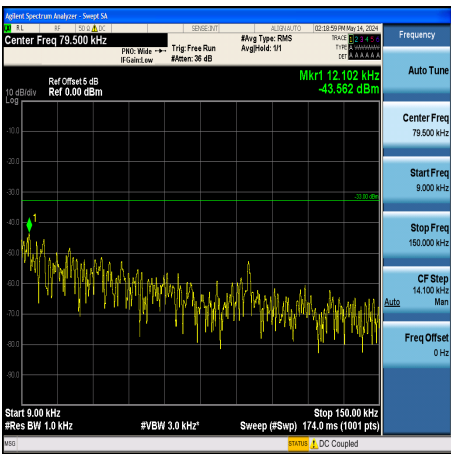
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-43.56	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-55.00	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-50.51	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-44.00	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-50.34	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-42.70	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-55.35	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-52.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-43.97	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-49.97	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-41.97	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-54.32	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-55.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-42.05	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-50.38	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-43.74	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-53.70	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-55.30	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-43.67	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-50.21	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-42.91	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-53.55	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-54.77	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-43.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-50.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-40.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-53.76	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-56.53	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-43.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-49.37	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-44.00	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-55.07	PASS

Band5	3MHz	QPSK	20415	1RB#0	30~1000	-50.25	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-43.61	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-50.09	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-41.68	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-56.25	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-51.10	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-43.92	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-50.21	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-38.96	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-54.98	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-59.46	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-43.30	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-50.14	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-38.91	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-56.01	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-52.87	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-42.98	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-50.14	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-45.12	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-54.77	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-57.51	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-45.14	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-50.11	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-39.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-54.48	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-59.16	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-45.76	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-49.77	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-40.71	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-56.38	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-49.41	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-43.04	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-50.38	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-41.74	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-52.84	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-51.33	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-43.78	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-50.33	PASS

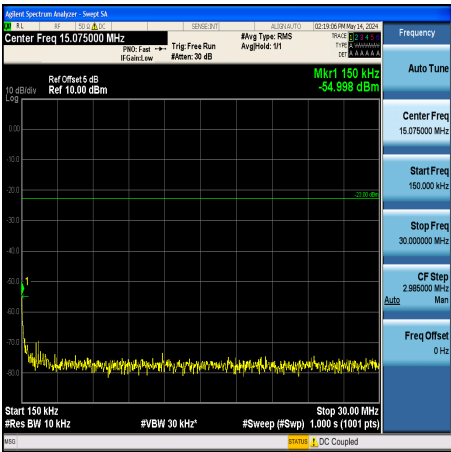
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-44.19	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-53.44	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-58.54	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-43.05	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-50.21	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-40.19	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-52.14	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-52.64	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-41.72	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-50.47	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-44.42	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-55.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-59.92	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-44.67	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-50.04	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-41.36	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-53.65	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-60.43	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-44.72	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-50.30	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-40.41	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-54.92	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-65.13	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-43.61	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-50.40	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-42.18	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-55.20	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-65.07	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-42.36	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-50.21	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-43.39	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-54.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-61.22	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-43.29	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-50.15	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-44.37	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-51.85	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-60.58	PASS

Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-43.13	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-50.18	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-40.31	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-52.30	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-59.19	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-41.70	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-49.98	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-41.92	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-56.96	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-61.06	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-42.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-50.16	PASS

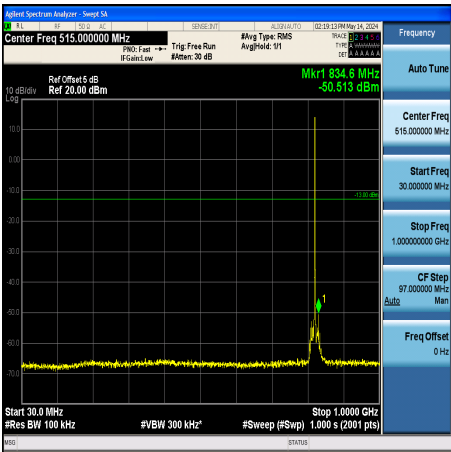
Test Graphs



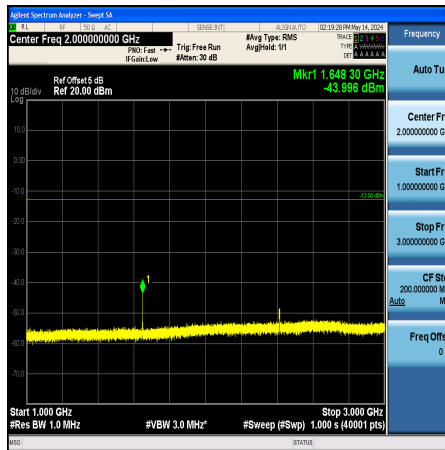
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



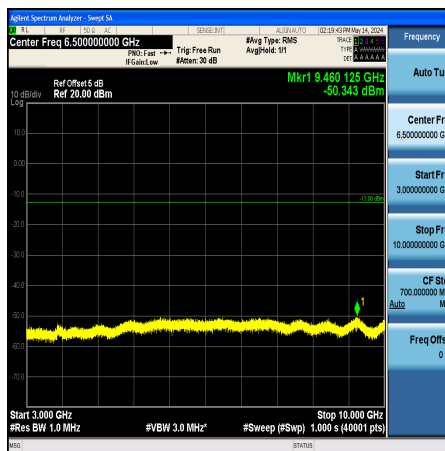
Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30



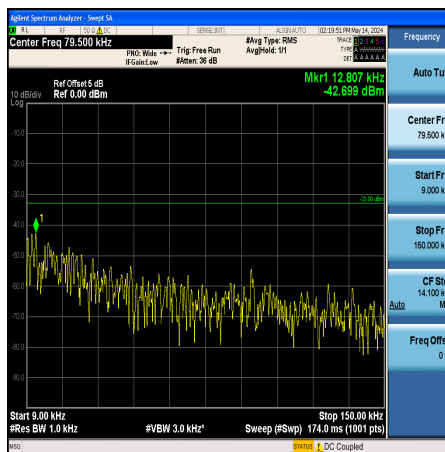
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000



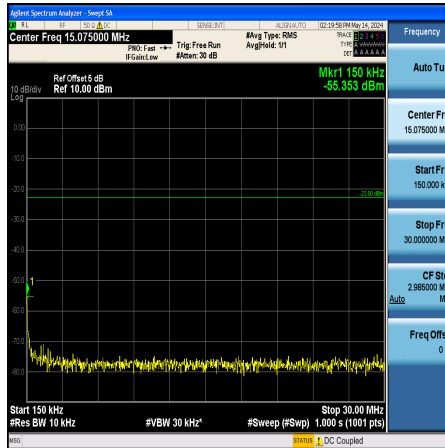
Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000



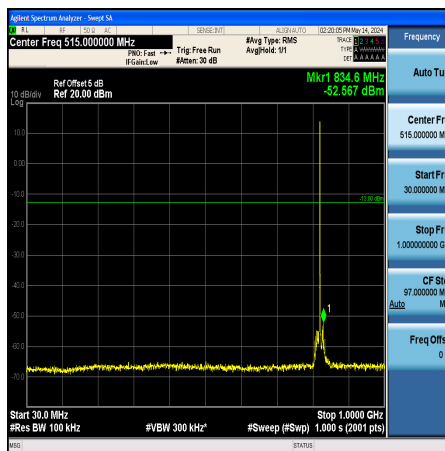
Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



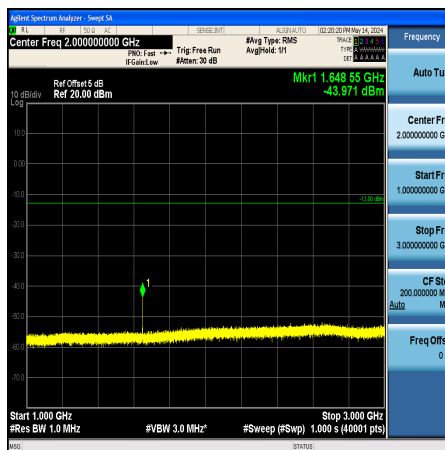
Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15



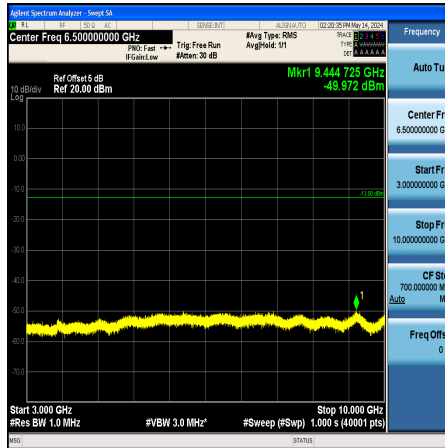
Band5_1.4MHz_16QAM_20407_1RB#0_0.15~30_0.15~30



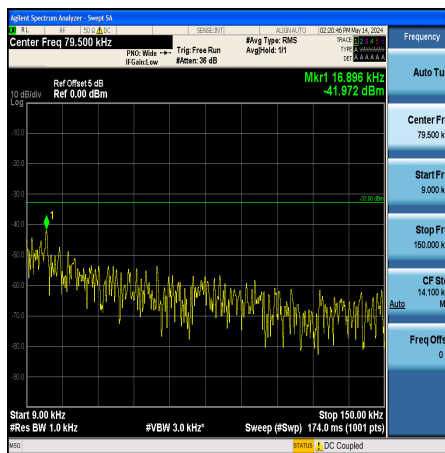
Band5_1.4MHz_16QAM_20407_1RB#0_30~1000_30~1000



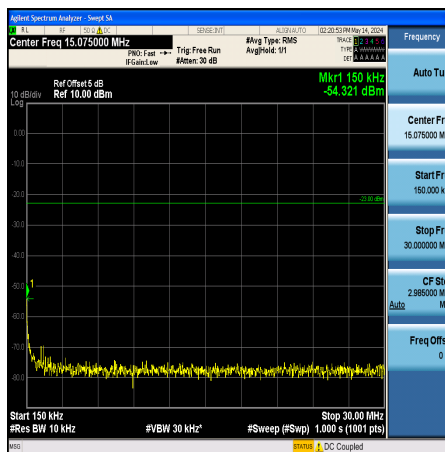
Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000



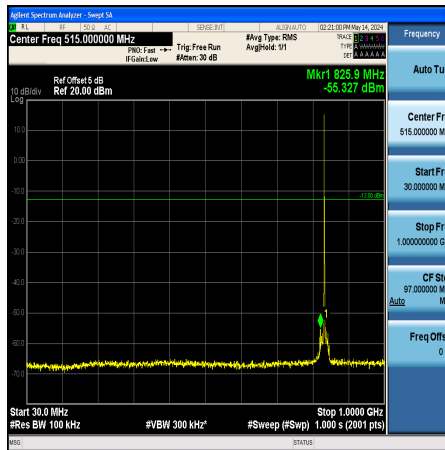
Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000



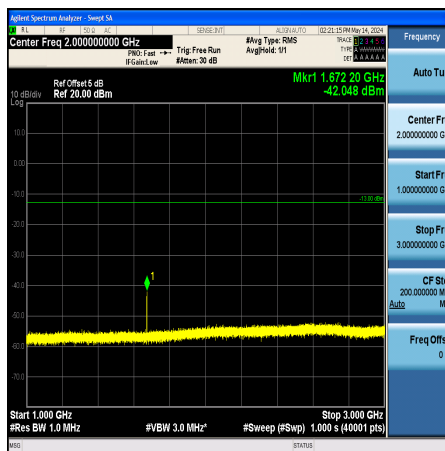
Band5_1.4MHz_QPSK_20525_1RB#0_0.009~0.15_0.009~0.15



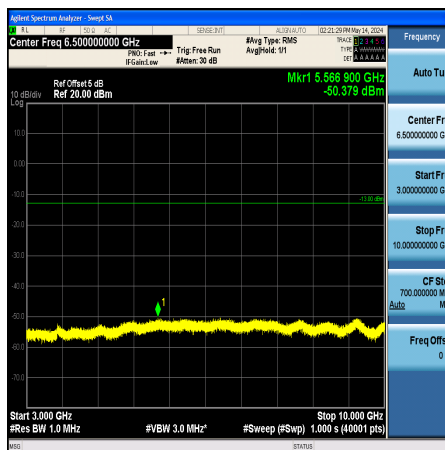
Band5_1.4MHz_QPSK_20525_1RB#0_0.15~30_0.15~30



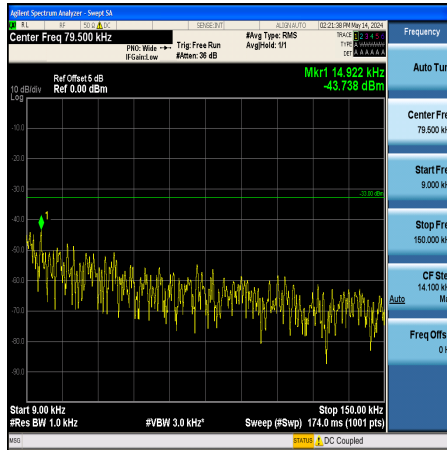
Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000



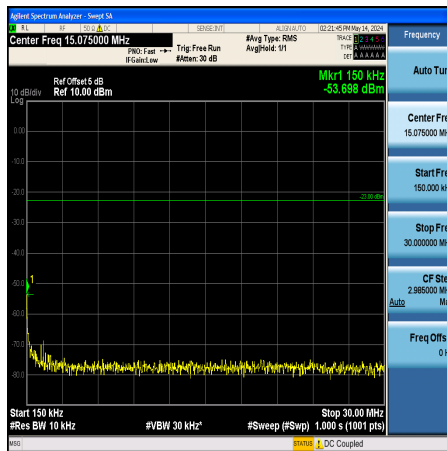
Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000



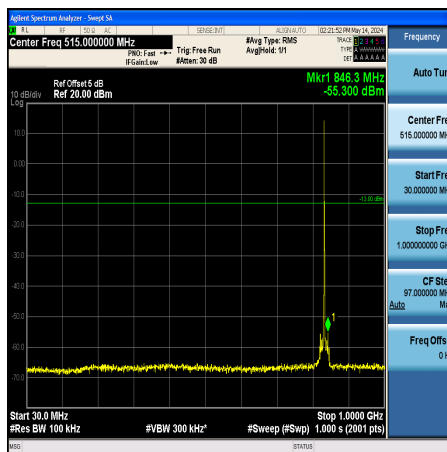
Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



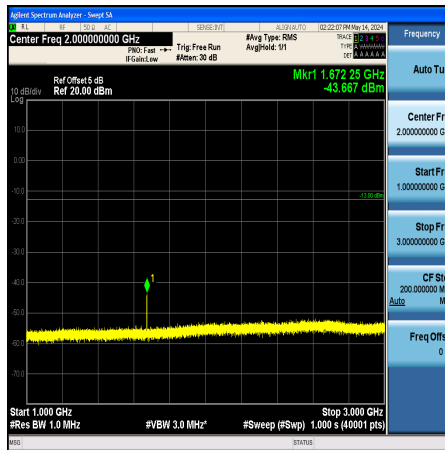
Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15



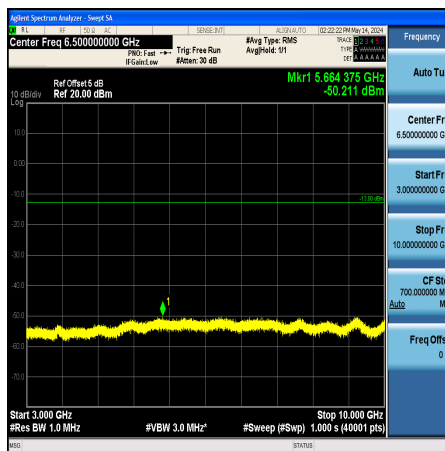
Band5_1.4MHz_16QAM_20525_1RB#0_0.15~30_0.15~30



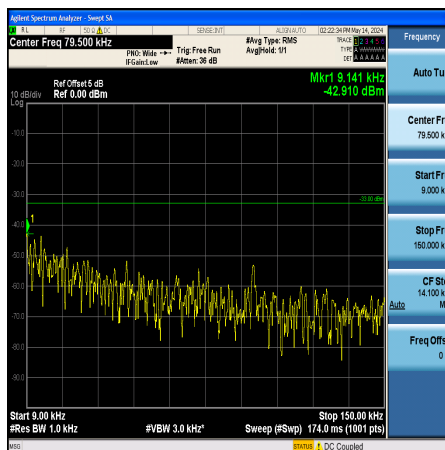
Band5_1.4MHz_16QAM_20525_1RB#0_30~1000_30~1000



Band5_1.4MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20525_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_QPSK_20643_1RB#0_0.009~0.15_0.009~0.15