

FCC LTE Band Test Data

FCC ID : 2A8ZB-G232

Company: : Shenzhen Weiwo Intelligent Electronics Co., Ltd

EUT : 4G smartwatch

Model Number : G232

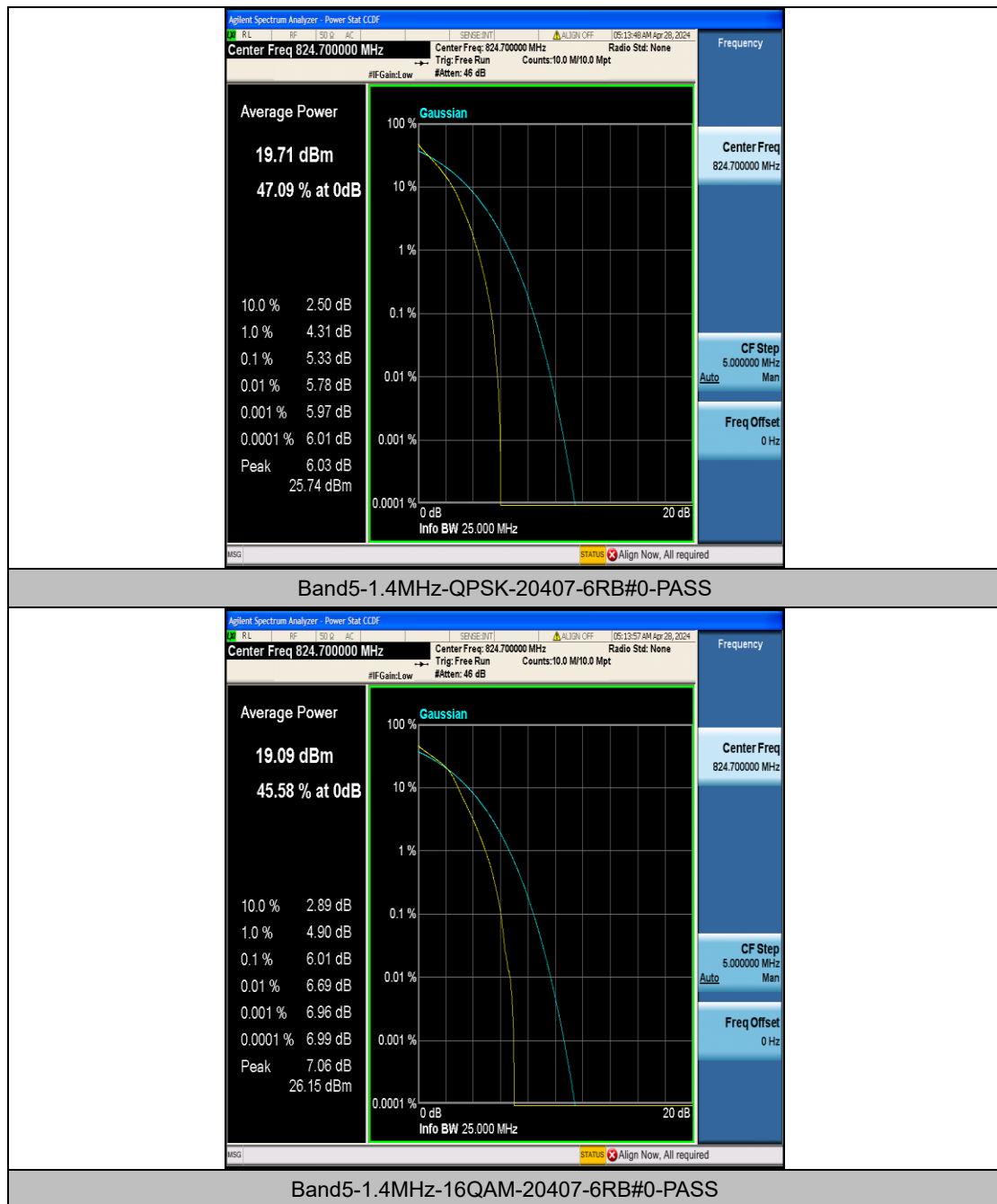
Reviewed By : Eric Wang

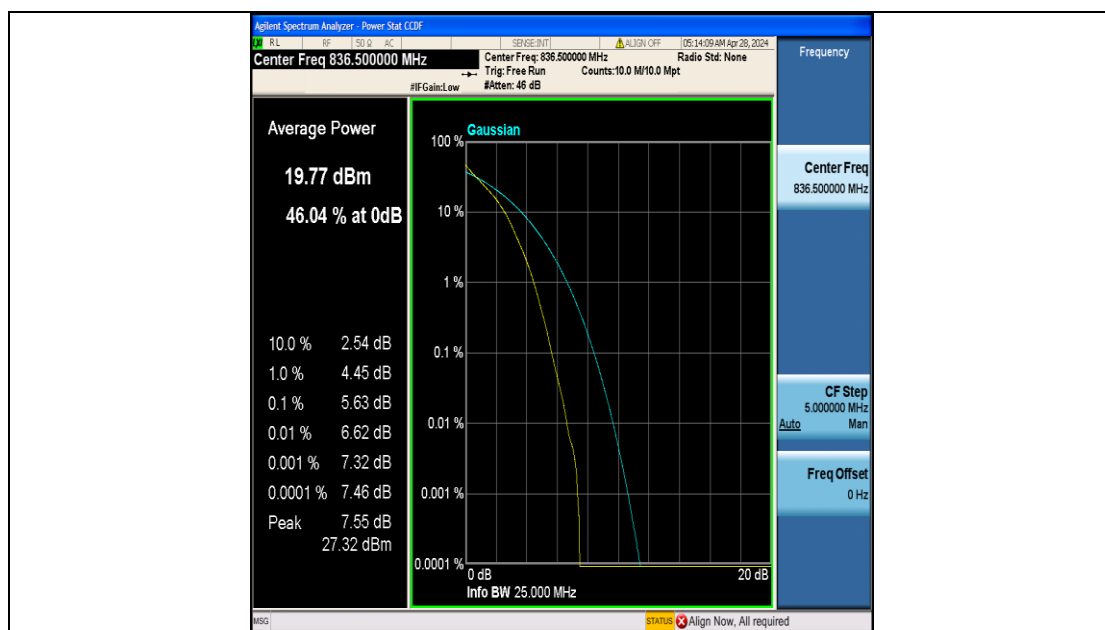
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

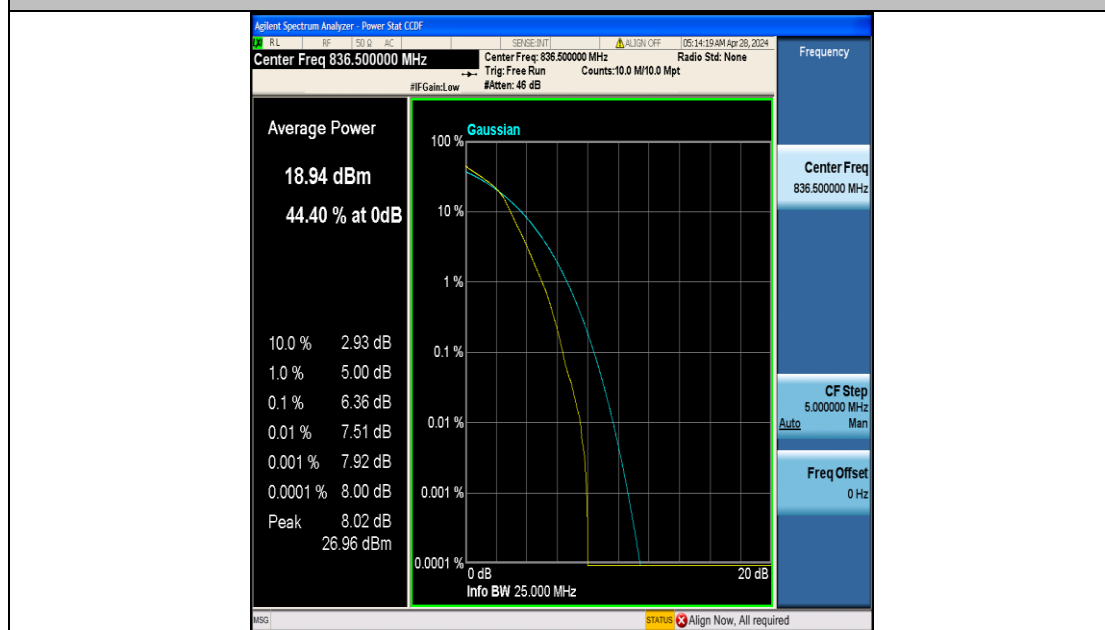
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.01	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.63	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.36	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.70	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.44	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.38	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.15	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.76	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.45	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.73	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.47	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.40	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.03	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.65	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.28	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.70	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.30	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.54	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.21	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.34	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.62	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.31	13	PASS

Test Graphs

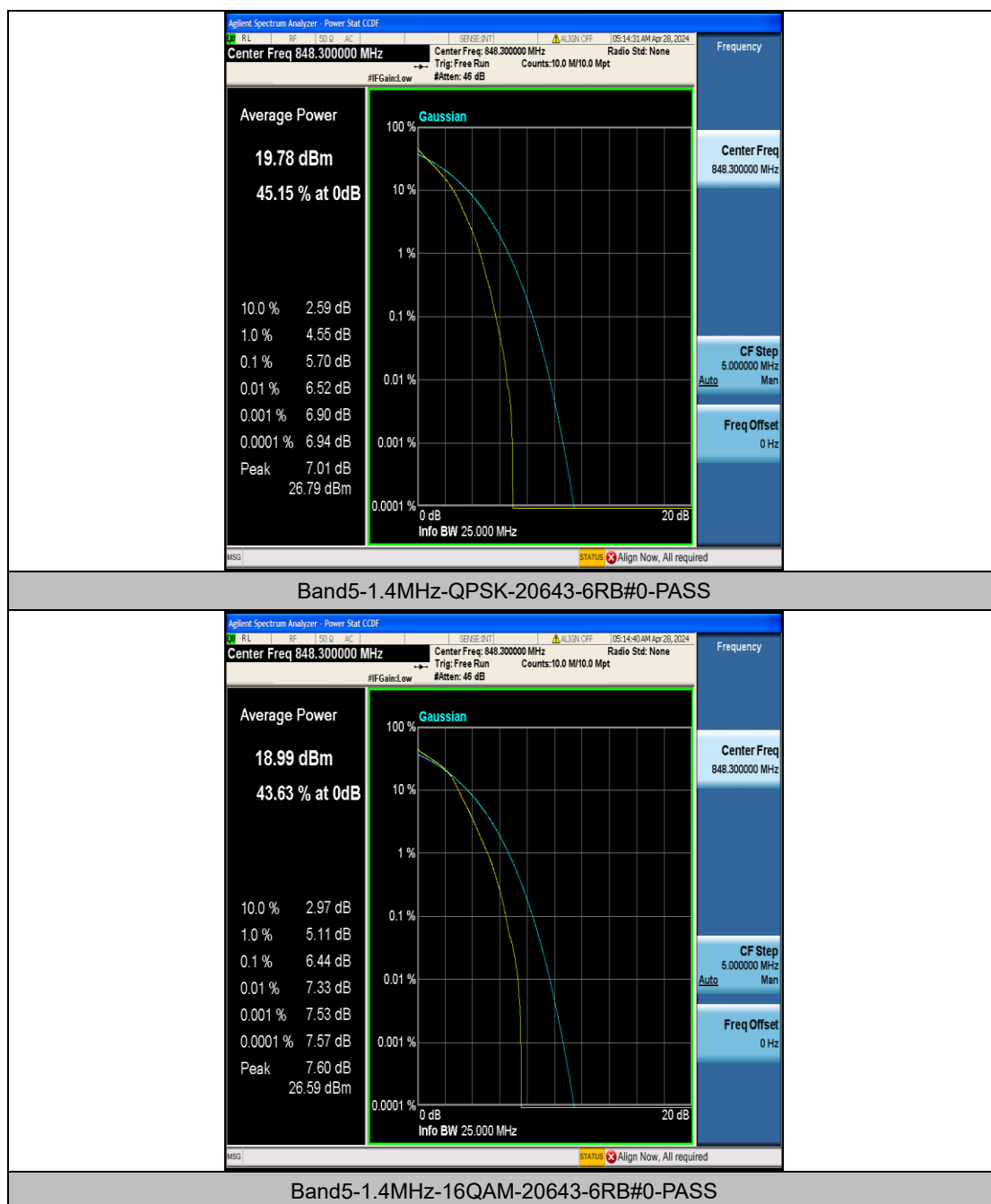


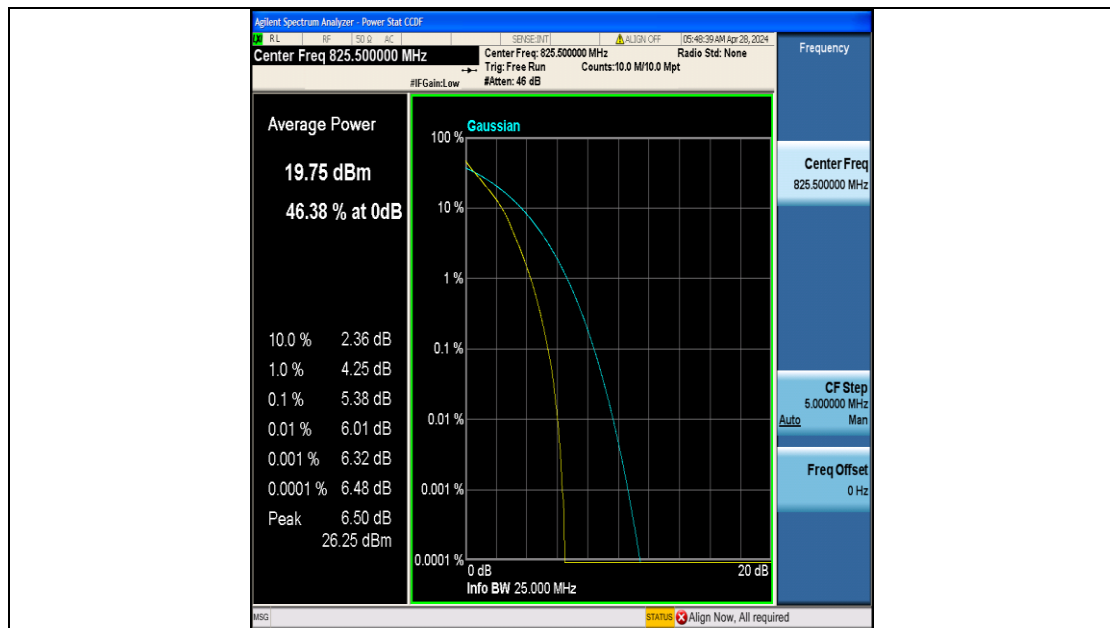


Band5-1.4MHz-QPSK-20525-6RB#0-PASS

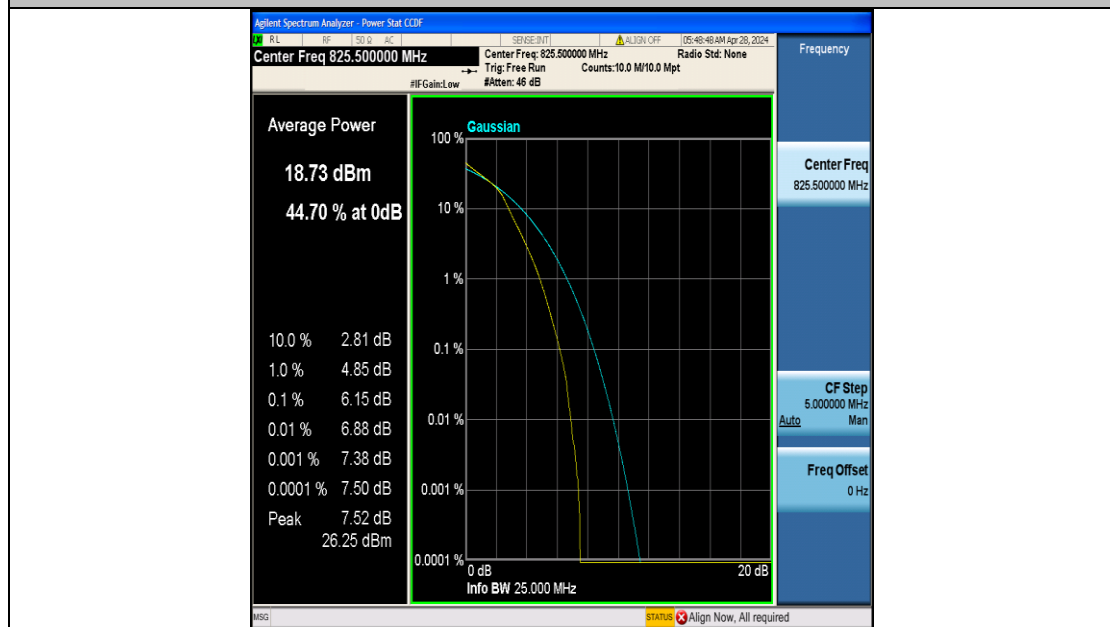


Band5-1.4MHz-16QAM-20525-6RB#0-PASS

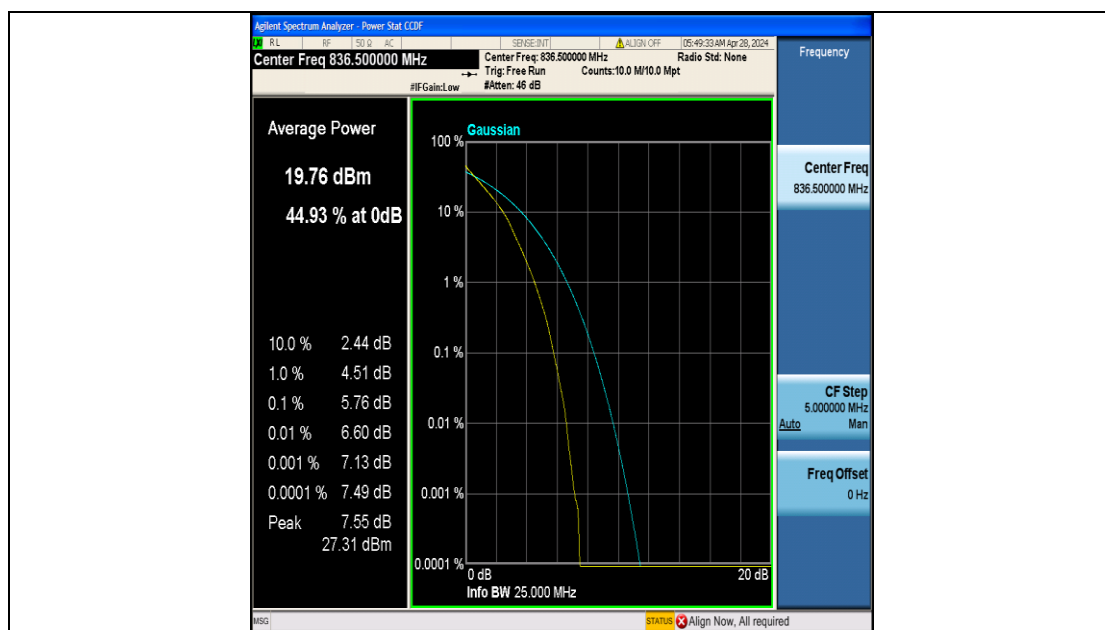




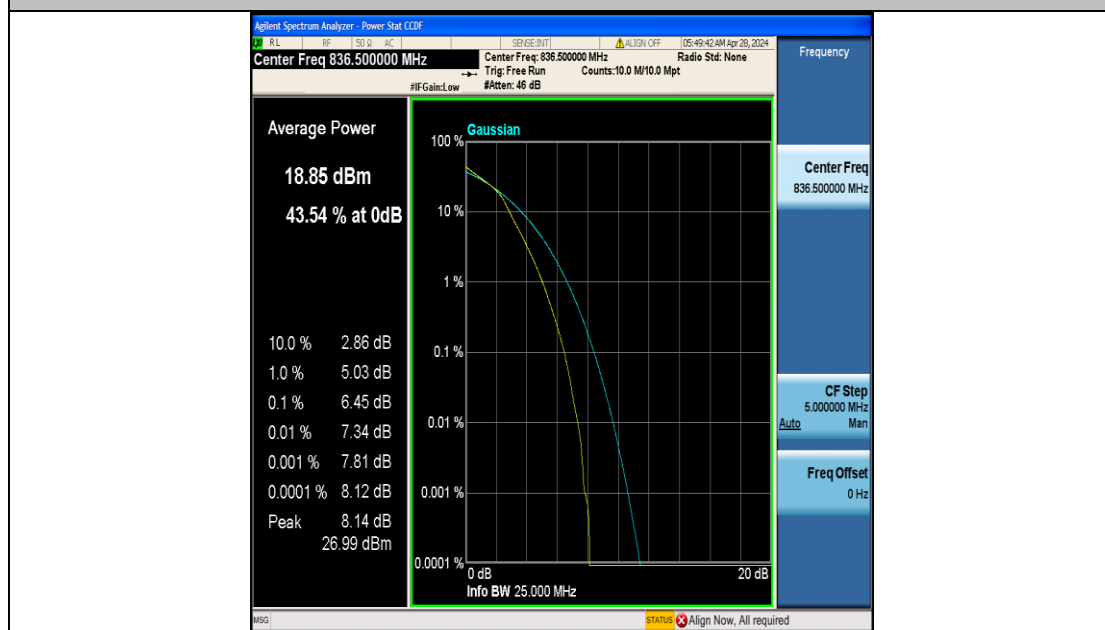
Band5-3MHz-QPSK-20415-15RB#0-PASS



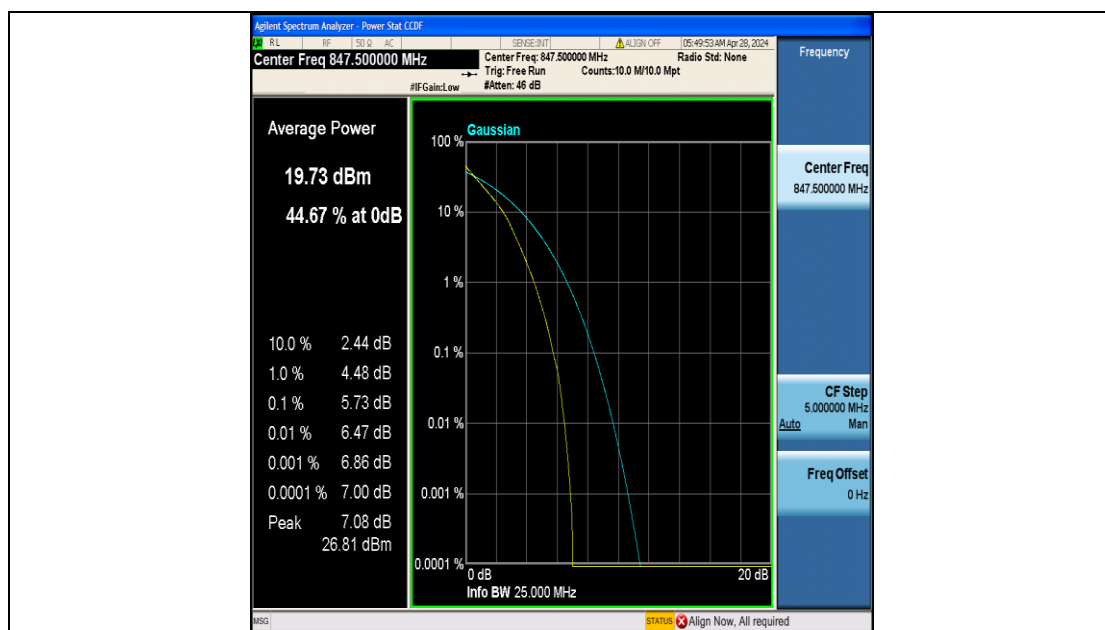
Band5-3MHz-16QAM-20415-15RB#0-PASS



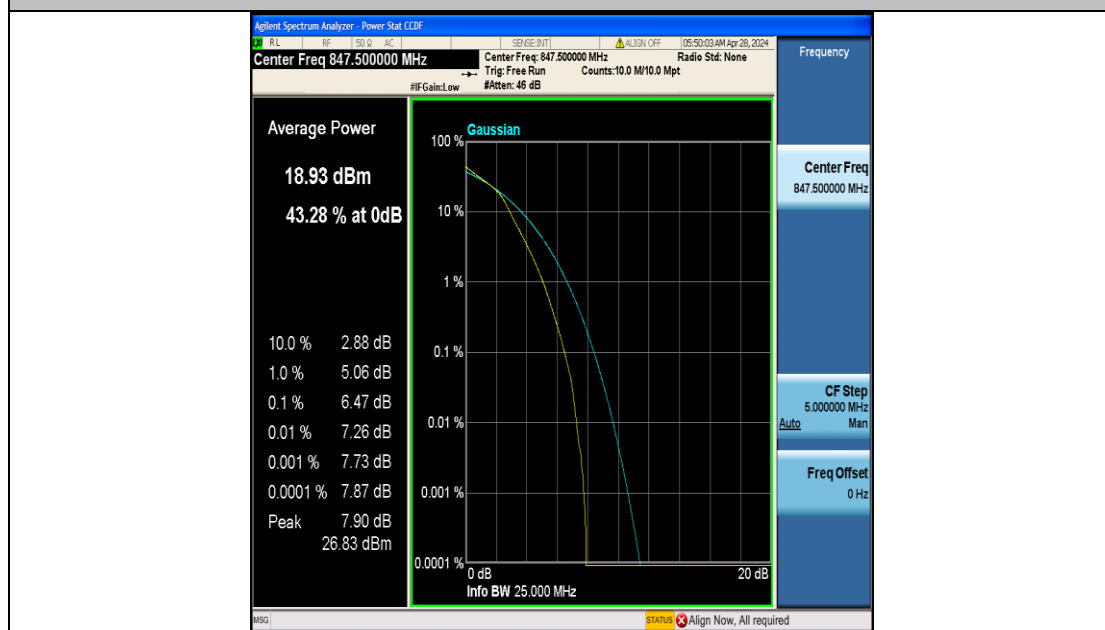
Band5-3MHz-QPSK-20525-15RB#0-PASS



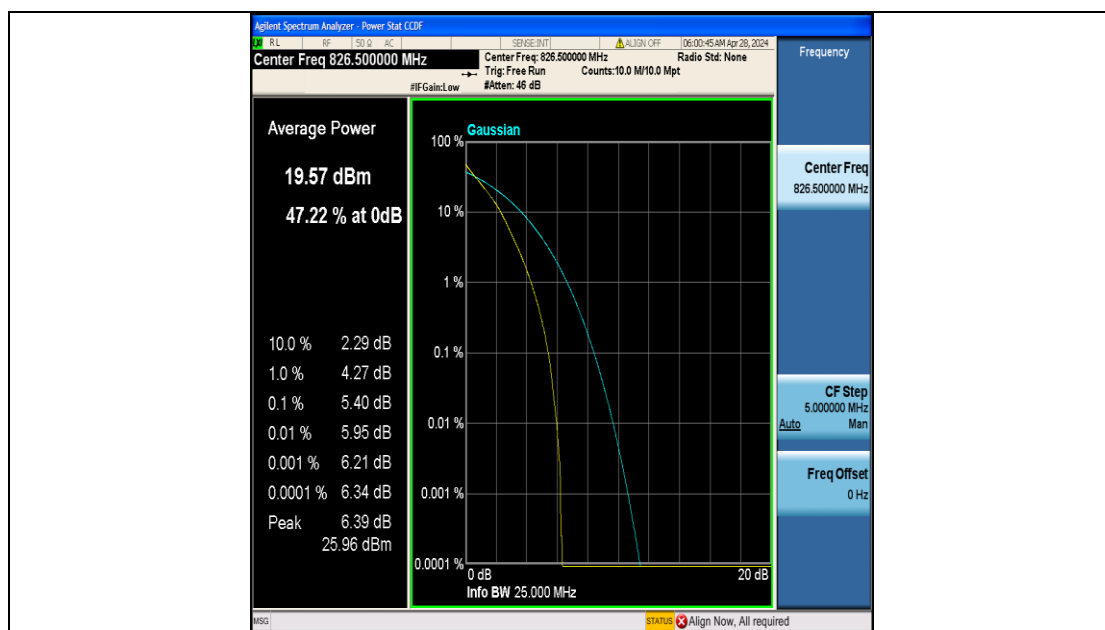
Band5-3MHz-16QAM-20525-15RB#0-PASS



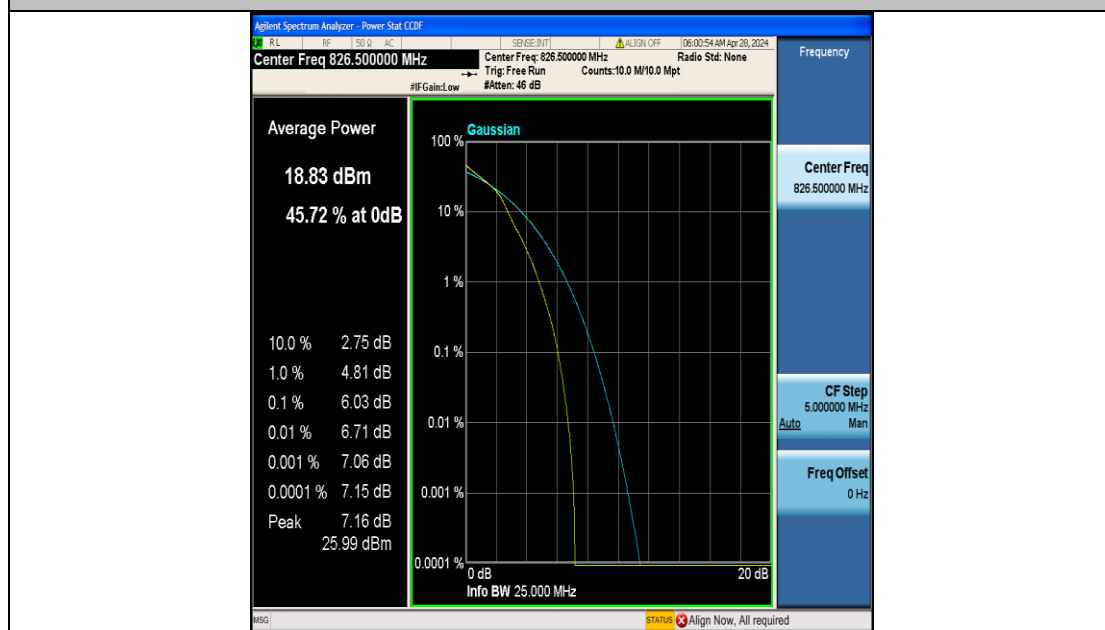
Band5-3MHz-QPSK-20635-15RB#0-PASS



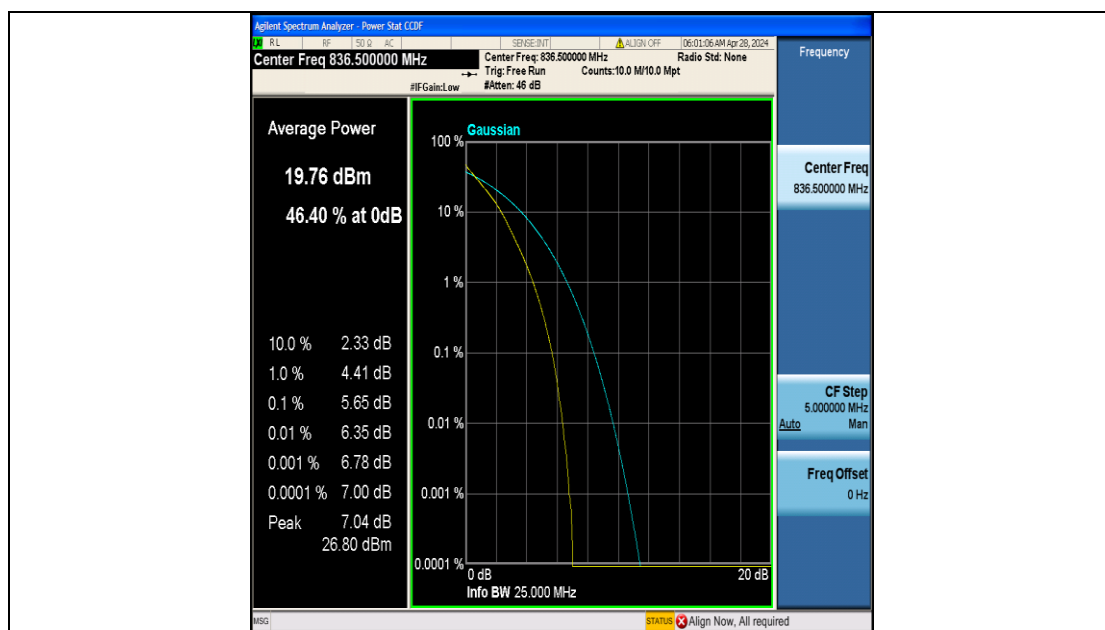
Band5-3MHz-16QAM-20635-15RB#0-PASS



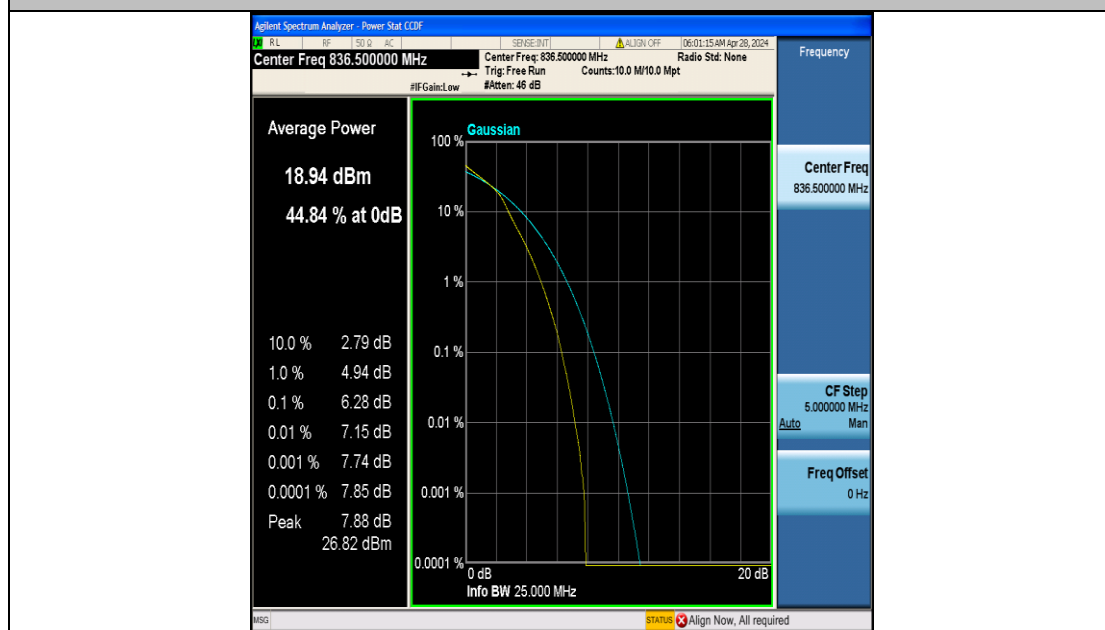
Band5-5MHz-QPSK-20425-25RB#0-PASS



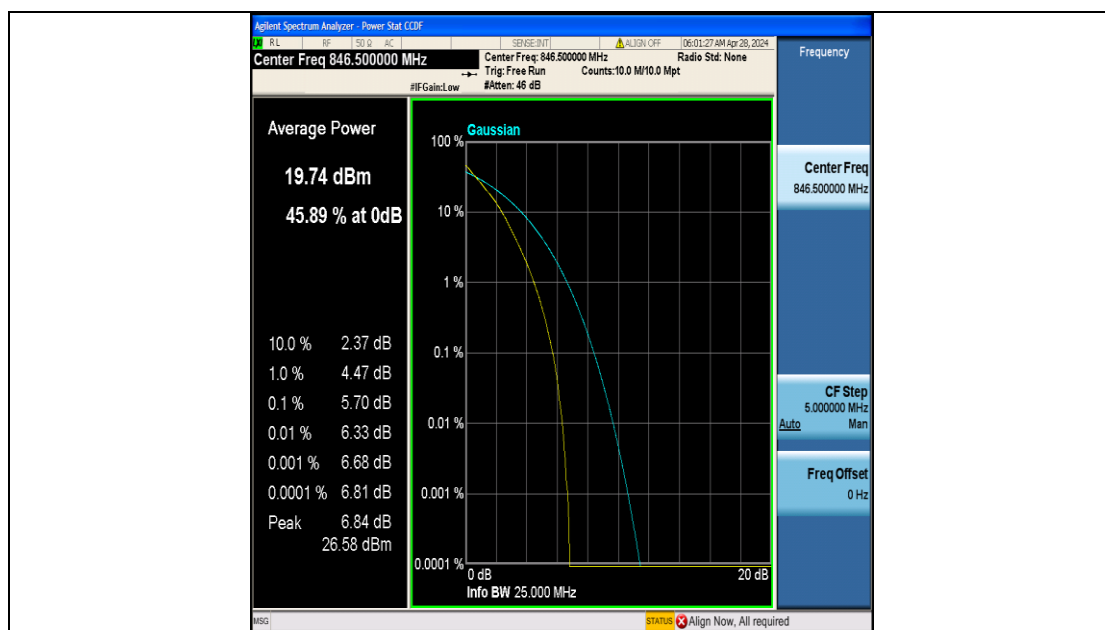
Band5-5MHz-16QAM-20425-25RB#0-PASS



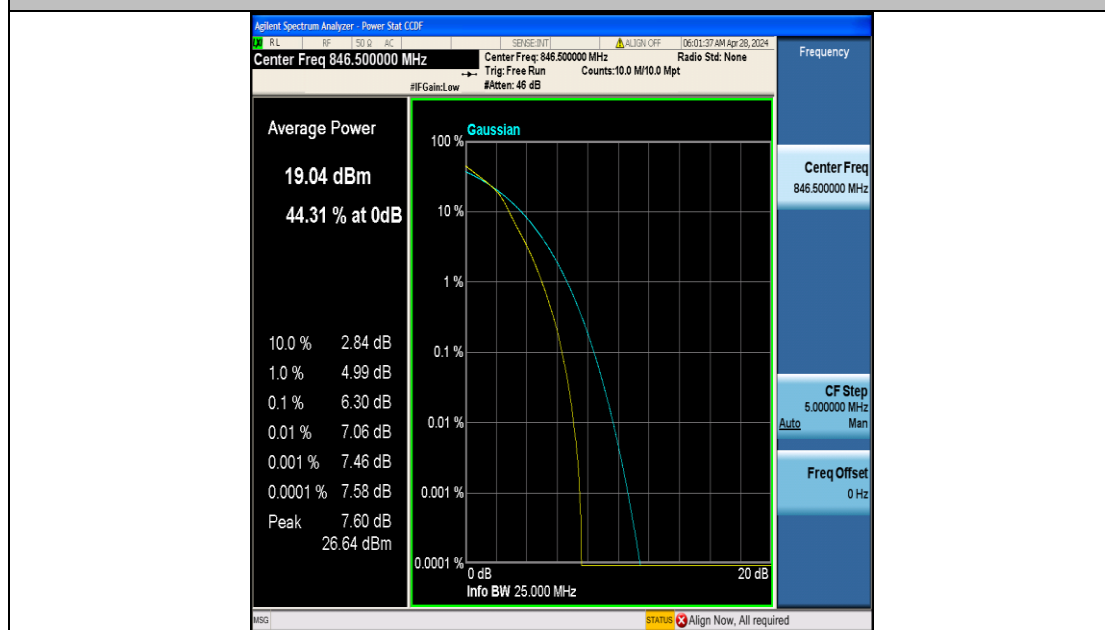
Band5-5MHz-QPSK-20525-25RB#0-PASS



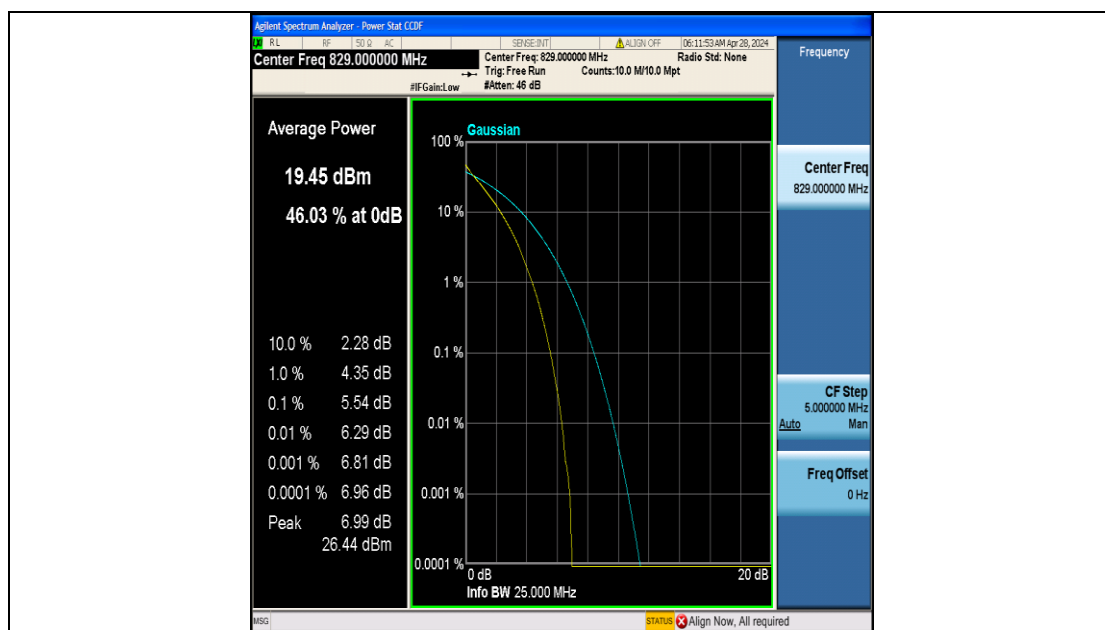
Band5-5MHz-16QAM-20525-25RB#0-PASS



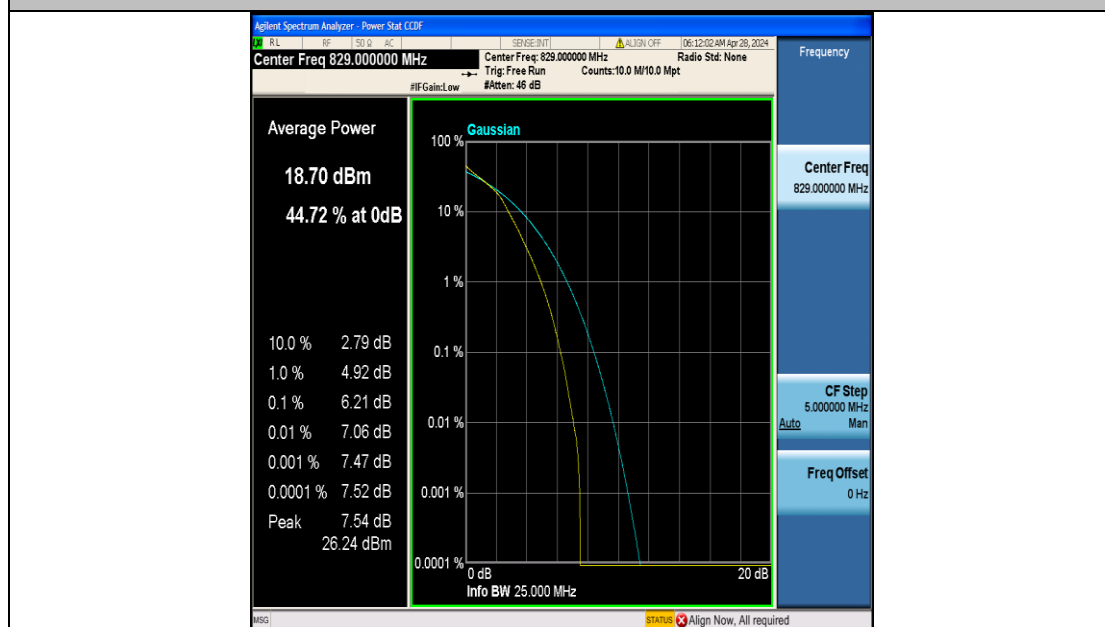
Band5-5MHz-QPSK-20625-25RB#0-PASS



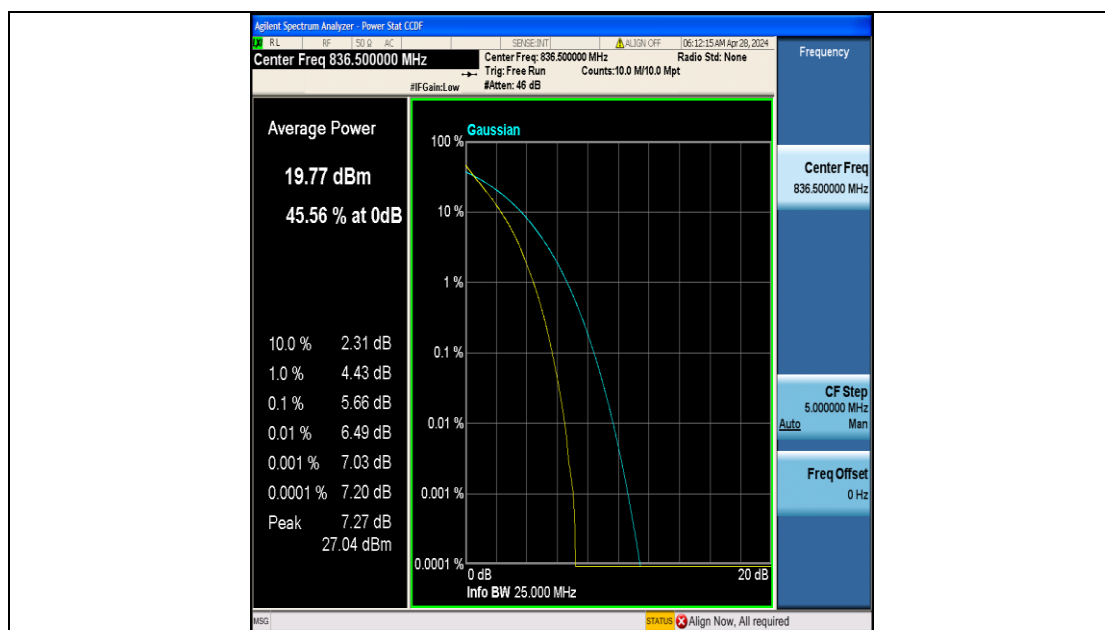
Band5-5MHz-16QAM-20625-25RB#0-PASS



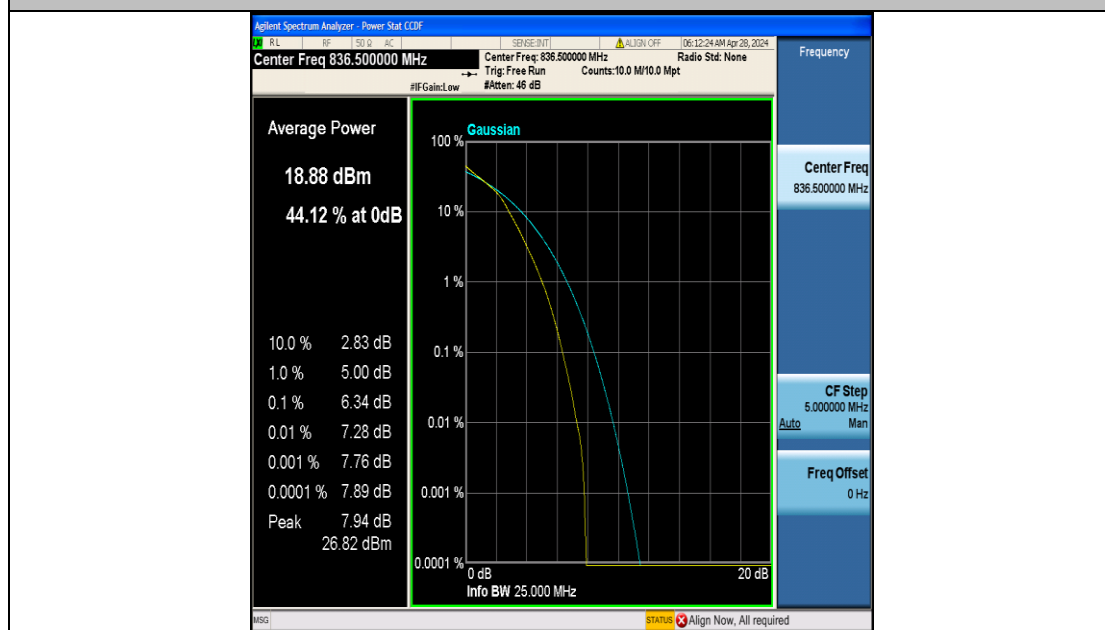
Band5-10MHz-QPSK-20450-50RB#0-PASS



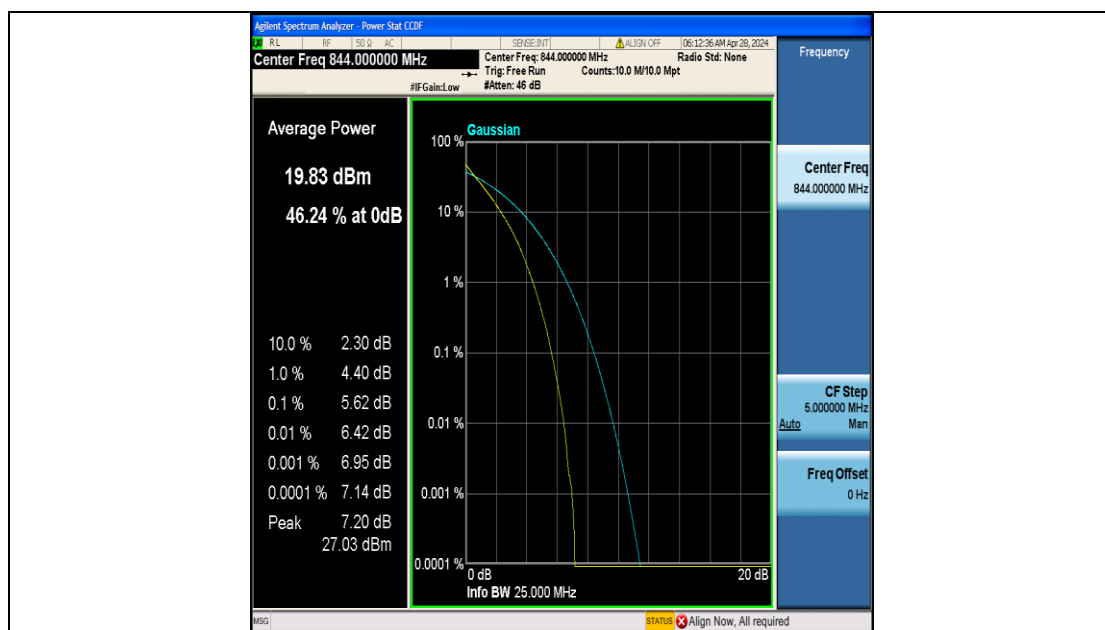
Band5-10MHz-16QAM-20450-50RB#0-PASS



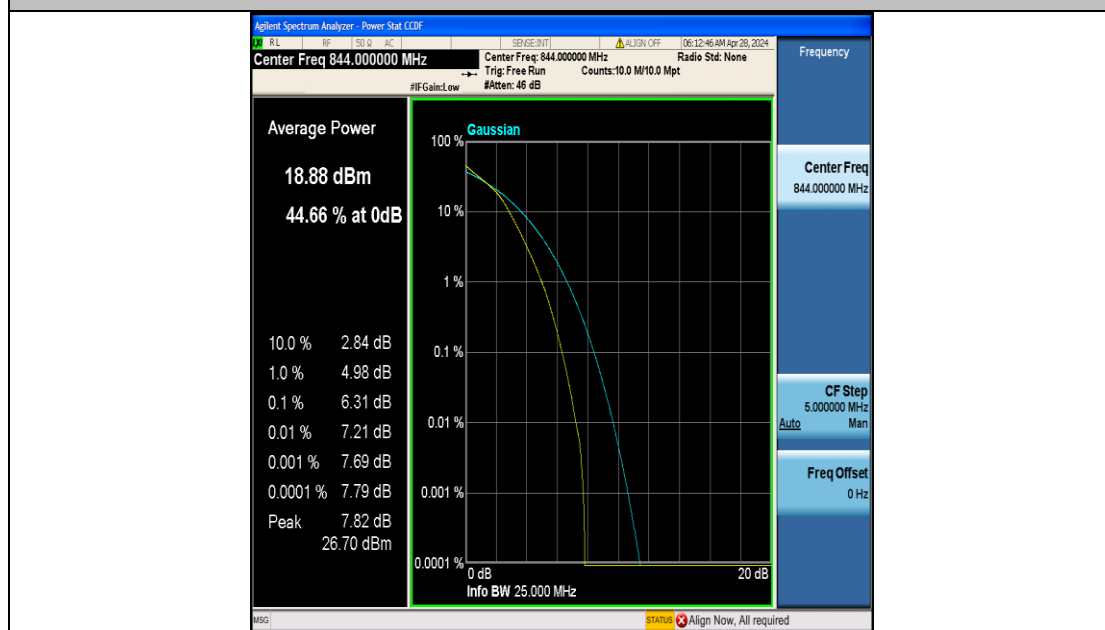
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



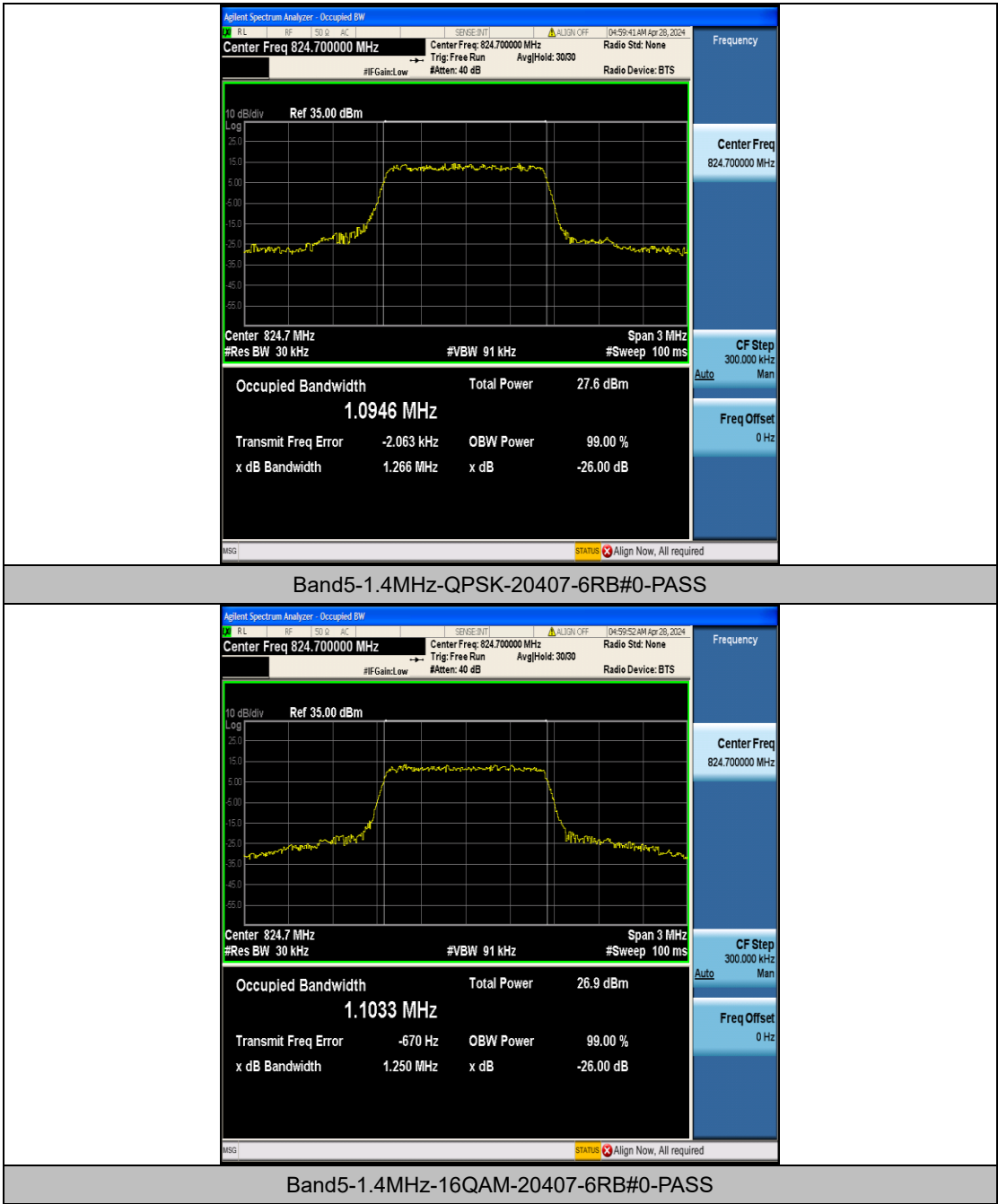
Band5-10MHz-16QAM-20600-50RB#0-PASS

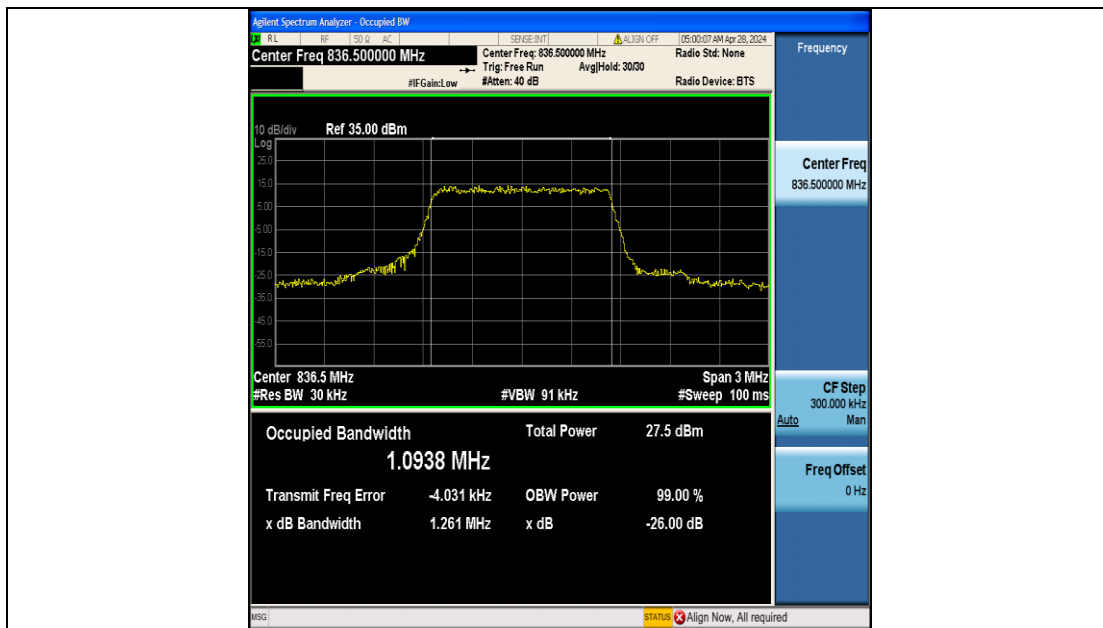
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

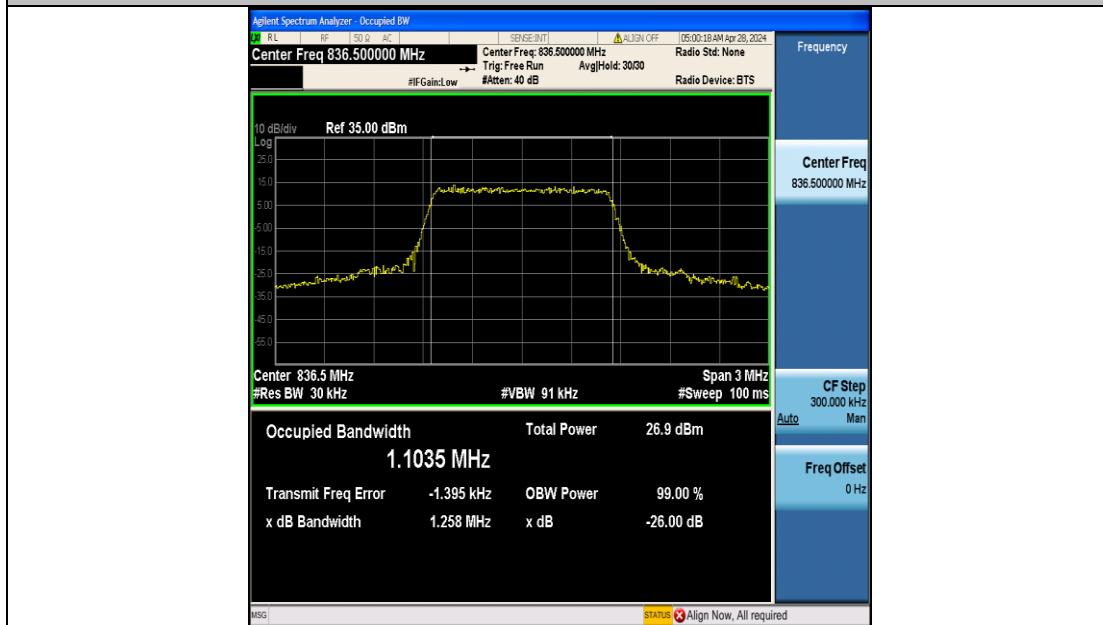
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0946	1.266	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1033	1.250	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0938	1.261	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1035	1.258	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0935	1.258	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1025	1.247	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6961	3.011	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7128	3.128	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7081	3.051	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7072	3.167	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7130	3.037	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7049	3.027	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5273	5.379	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5166	5.278	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5235	5.341	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5258	5.272	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5226	5.356	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5200	5.254	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9958	10.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9877	10.20	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0127	10.05	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9920	10.07	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9859	10.10	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9740	10.01	PASS

Test Graphs

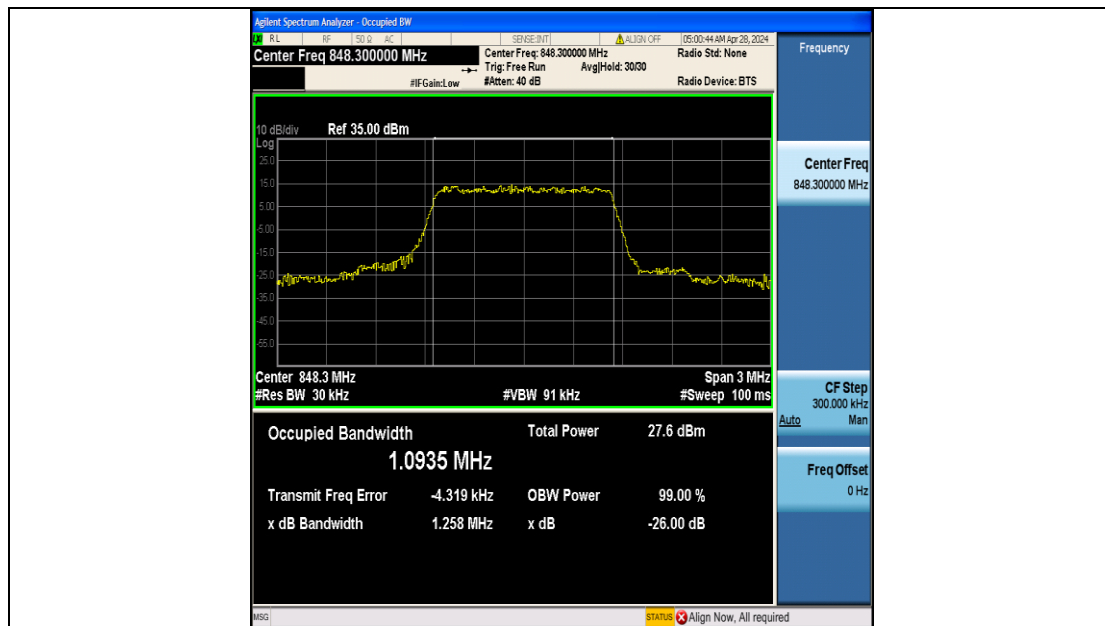




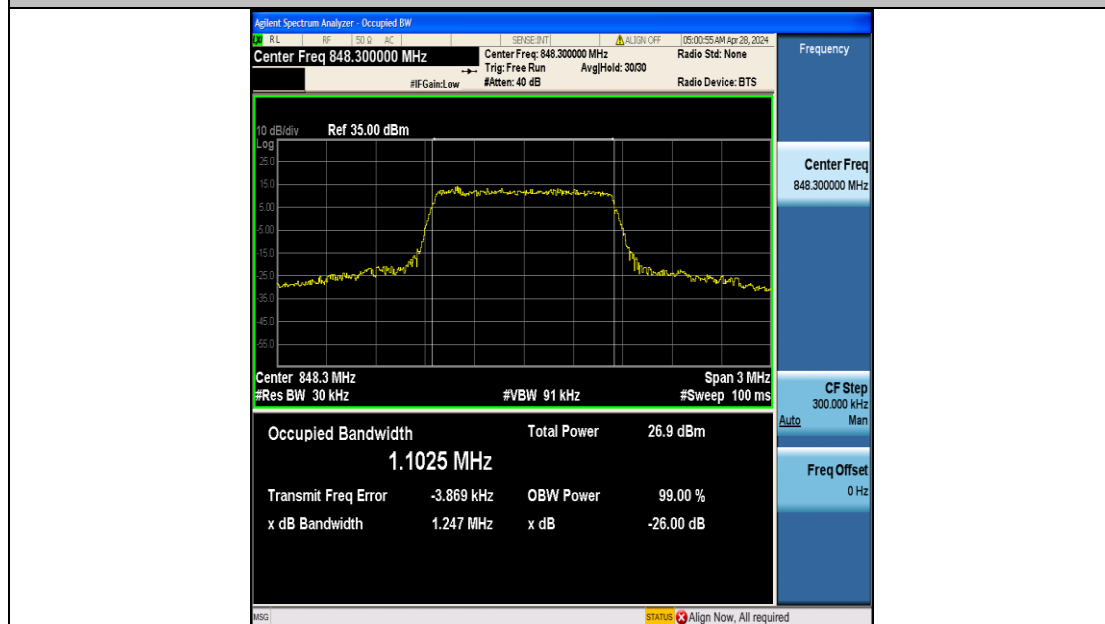
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



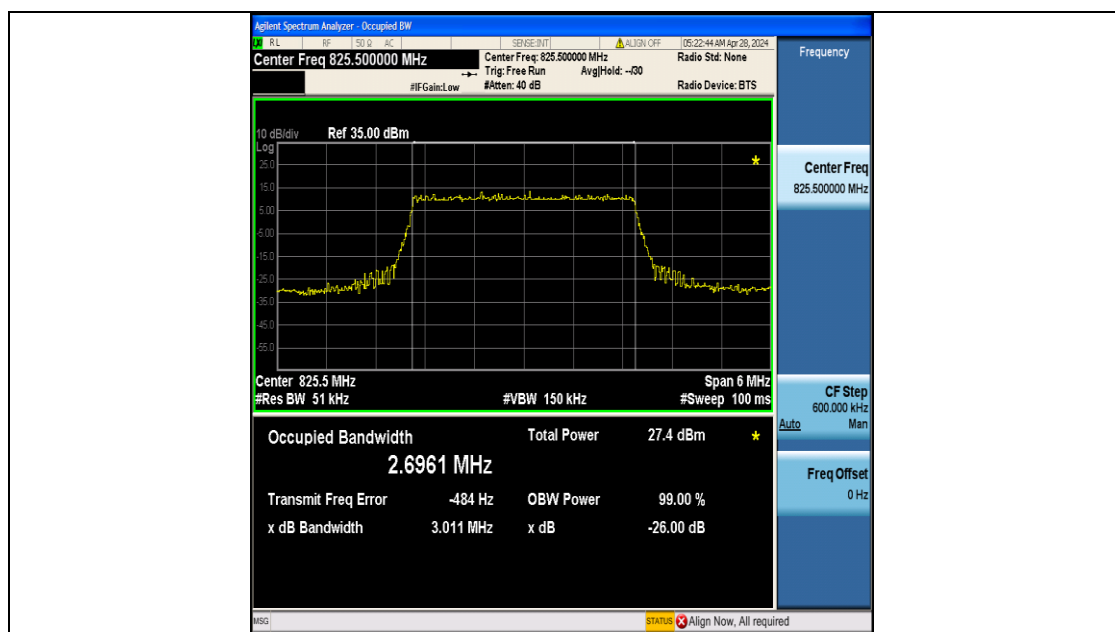
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



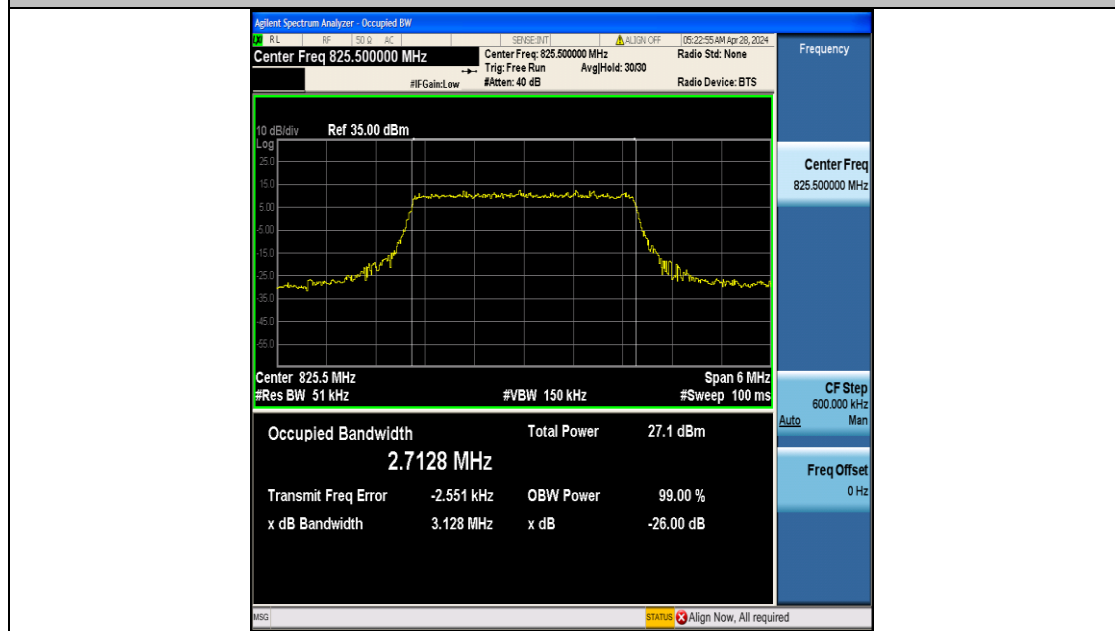
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



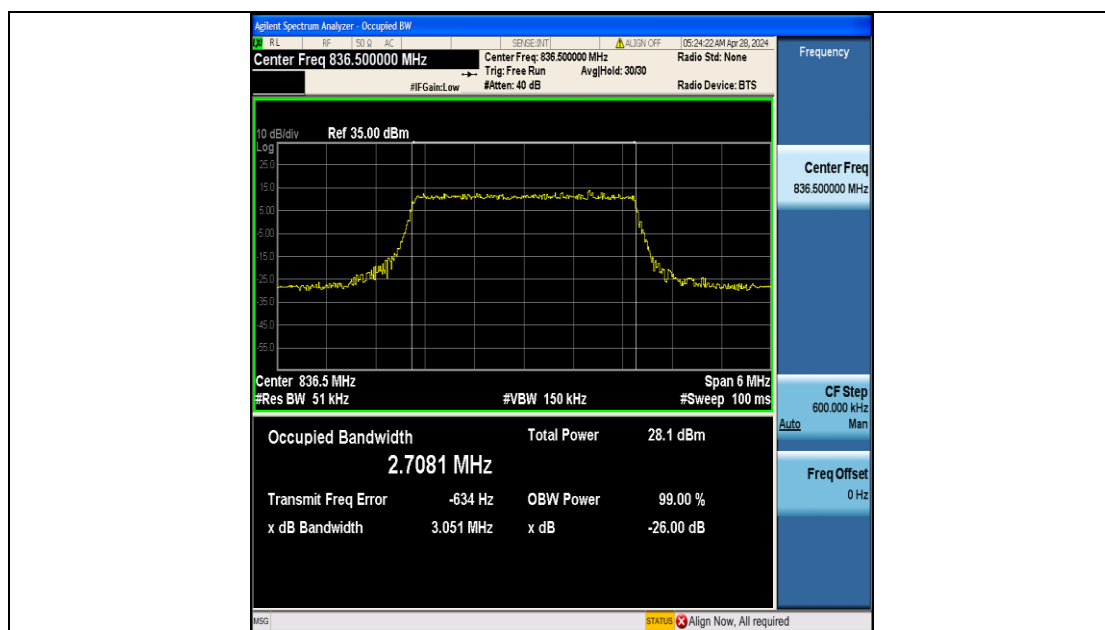
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



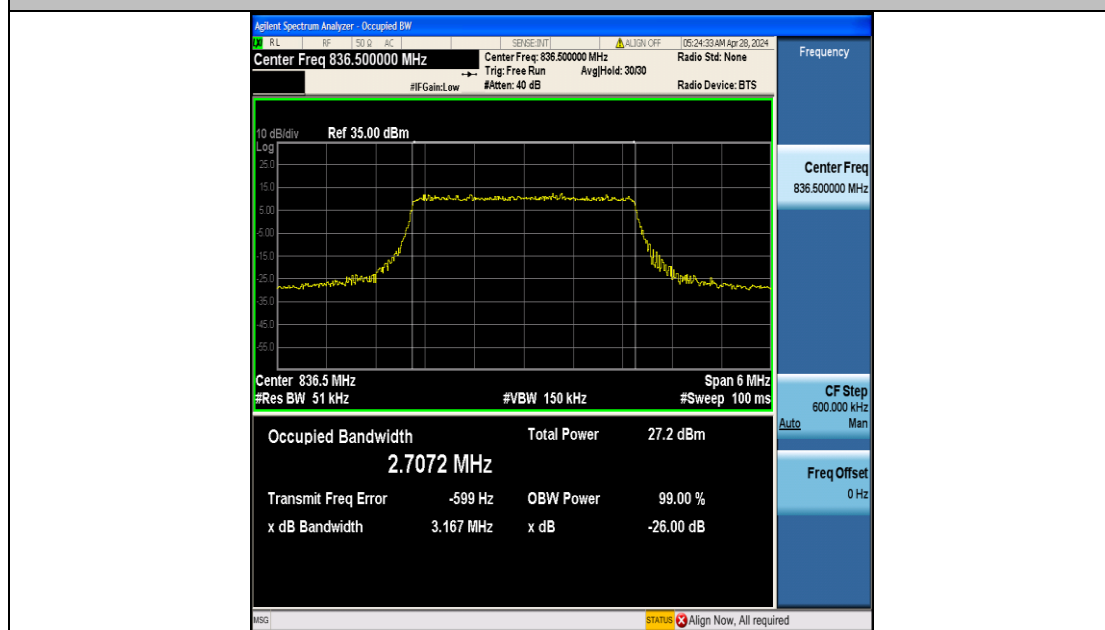
Band5-3MHz-QPSK-20415-15RB#0-PASS



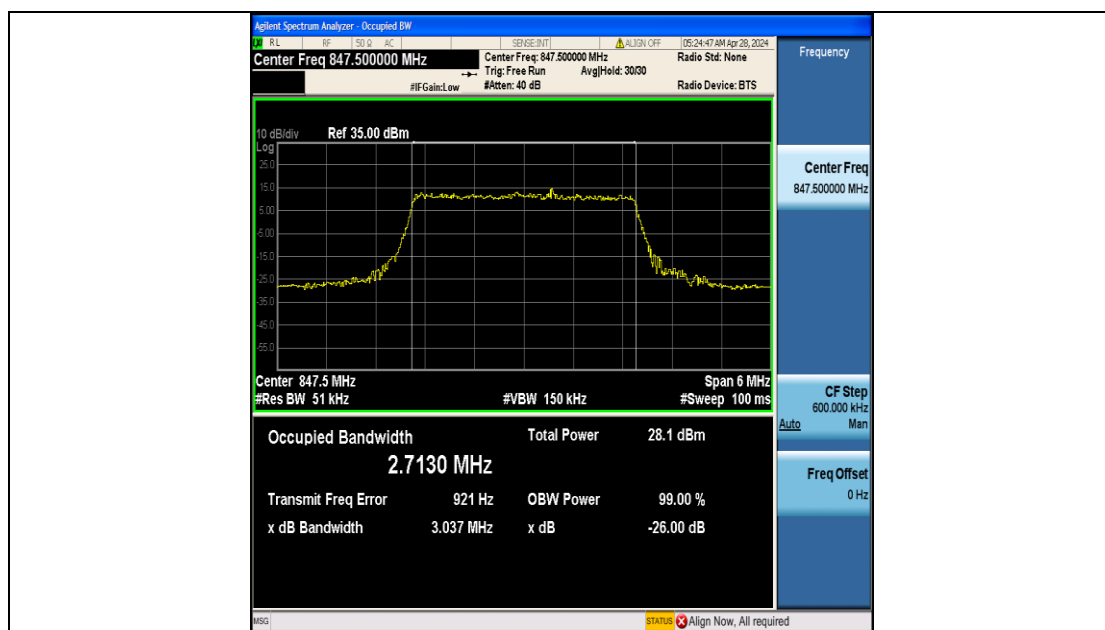
Band5-3MHz-16QAM-20415-15RB#0-PASS



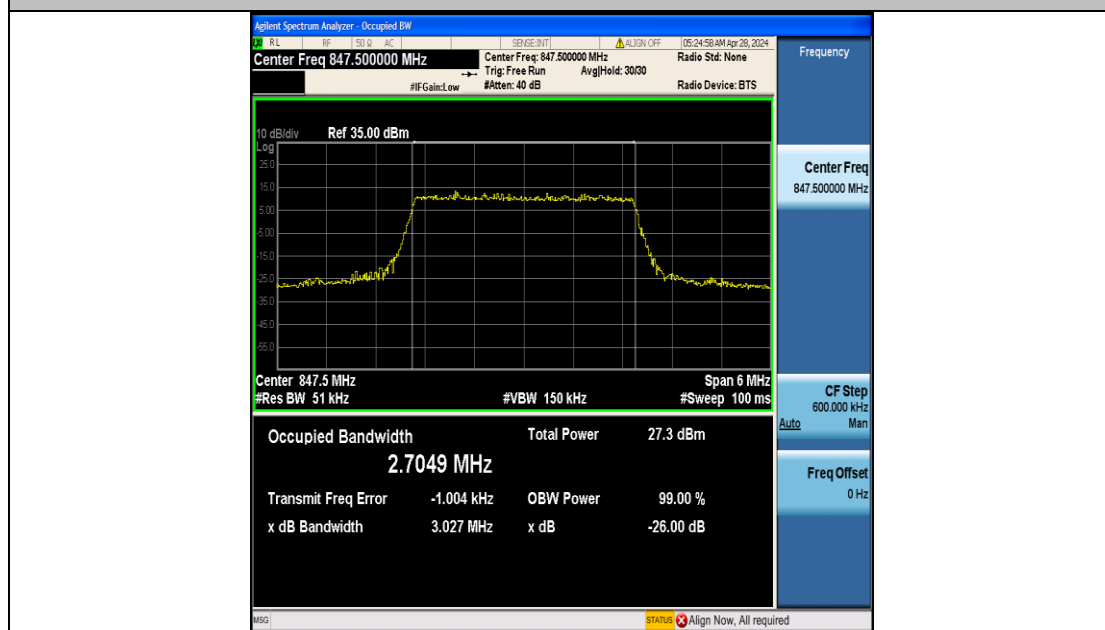
Band5-3MHz-QPSK-20525-15RB#0-PASS



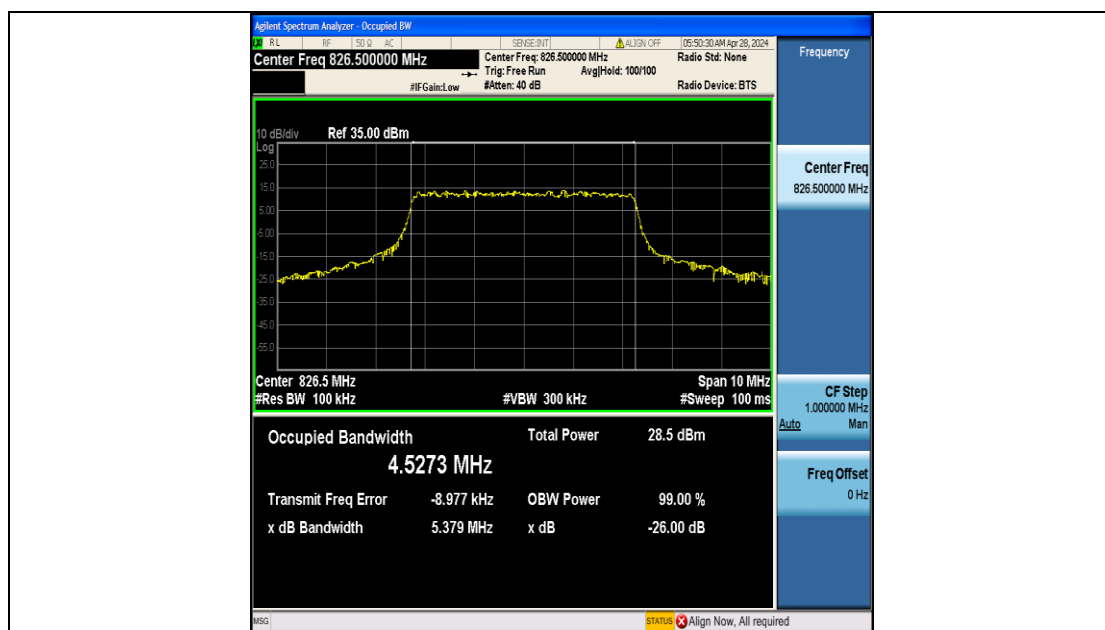
Band5-3MHz-16QAM-20525-15RB#0-PASS



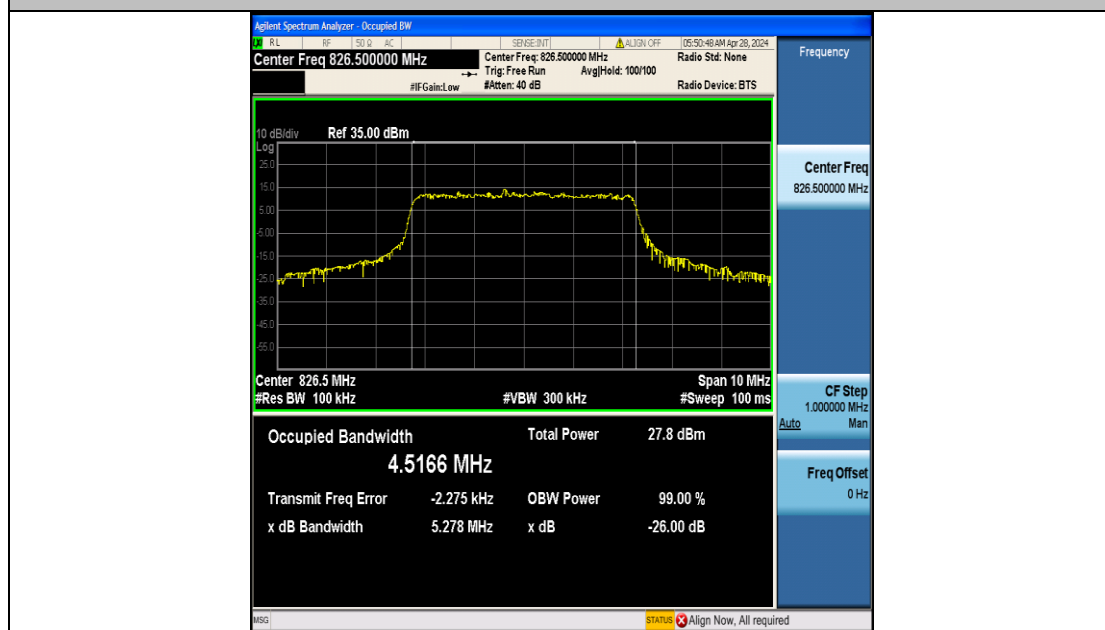
Band5-3MHz-QPSK-20635-15RB#0-PASS



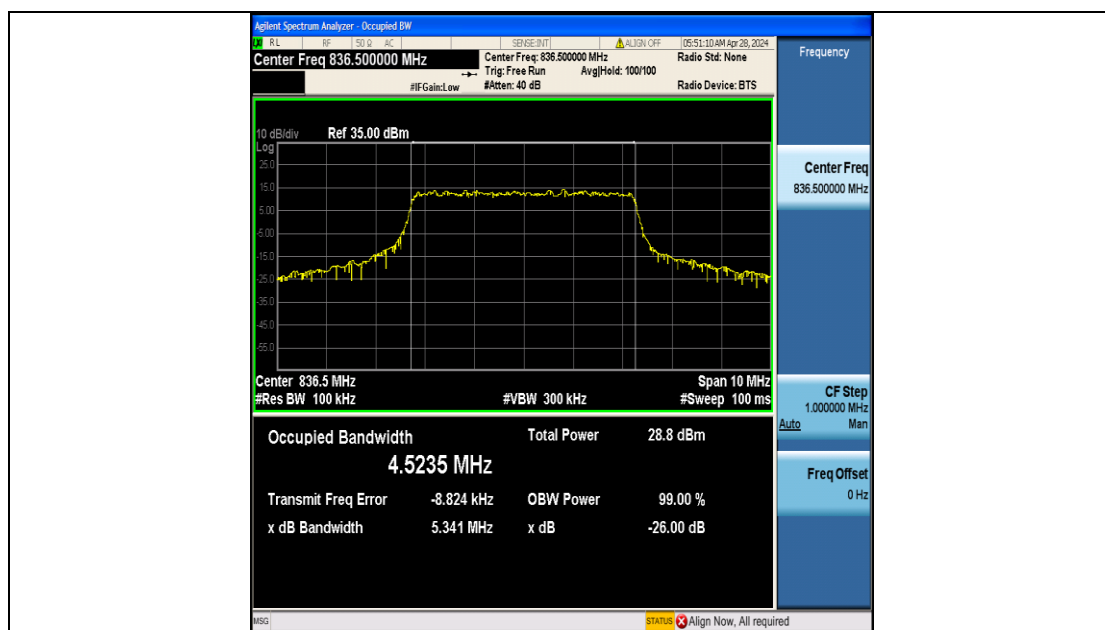
Band5-3MHz-16QAM-20635-15RB#0-PASS



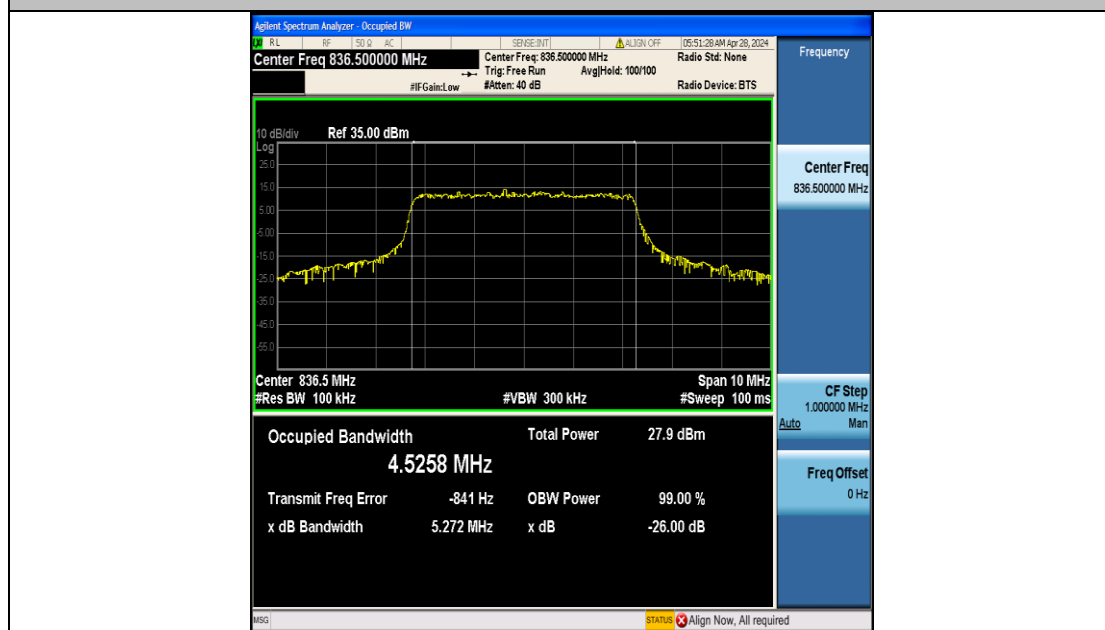
Band5-5MHz-QPSK-20425-25RB#0-PASS



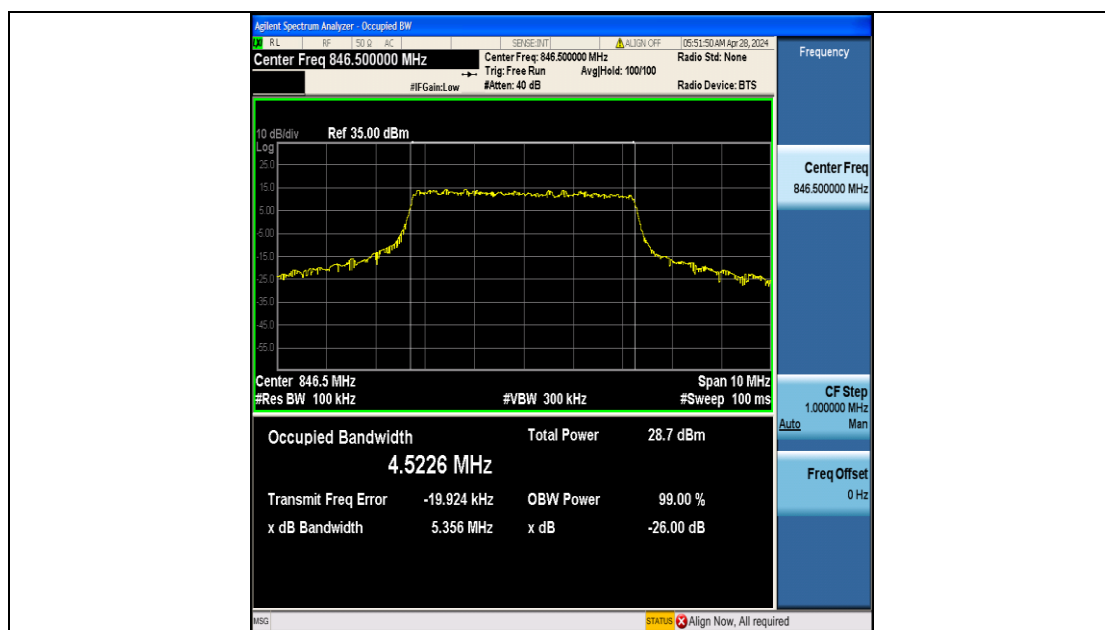
Band5-5MHz-16QAM-20425-25RB#0-PASS



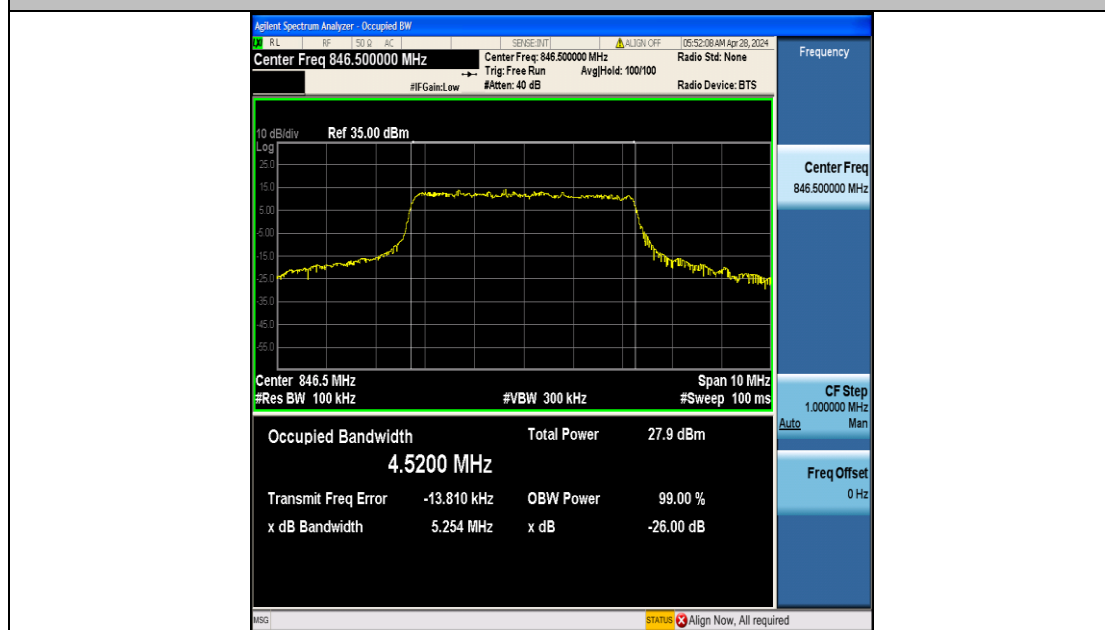
Band5-5MHz-QPSK-20525-25RB#0-PASS



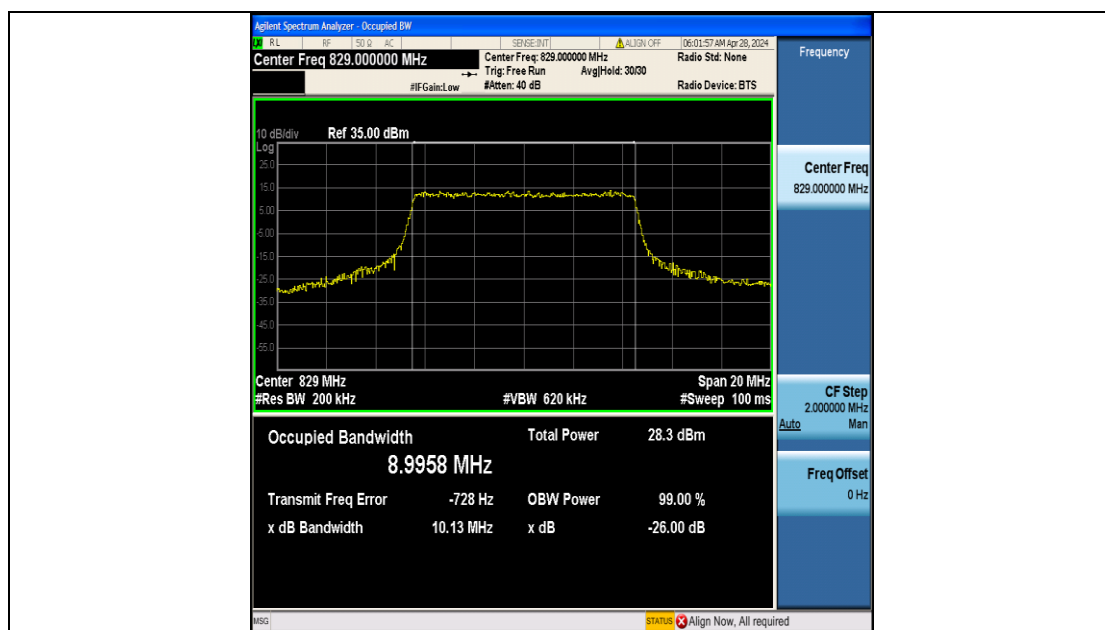
Band5-5MHz-16QAM-20525-25RB#0-PASS



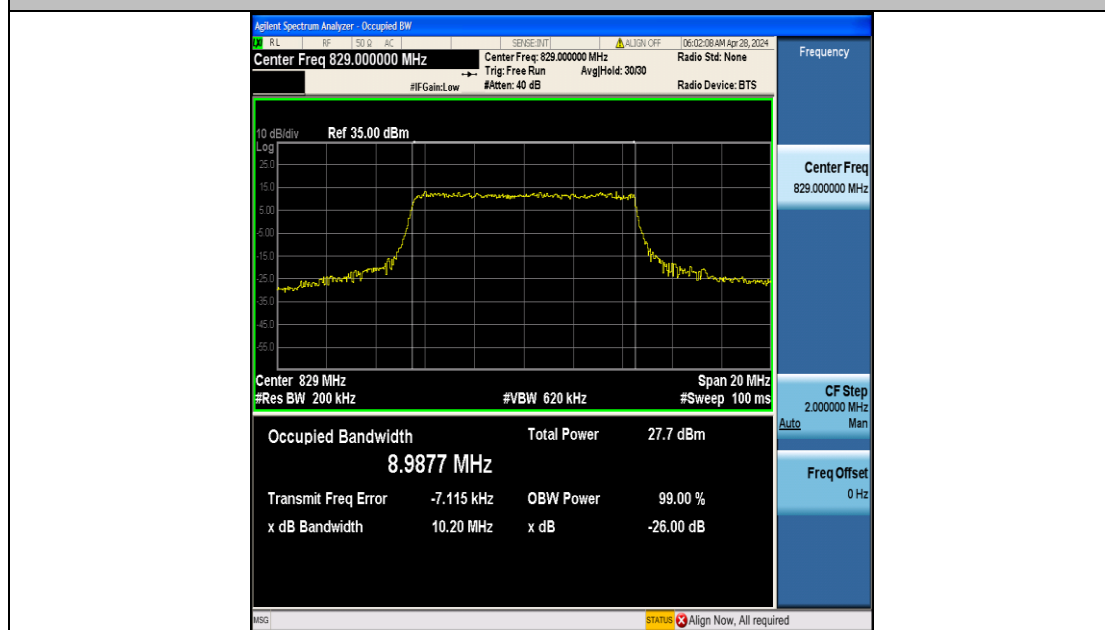
Band5-5MHz-QPSK-20625-25RB#0-PASS



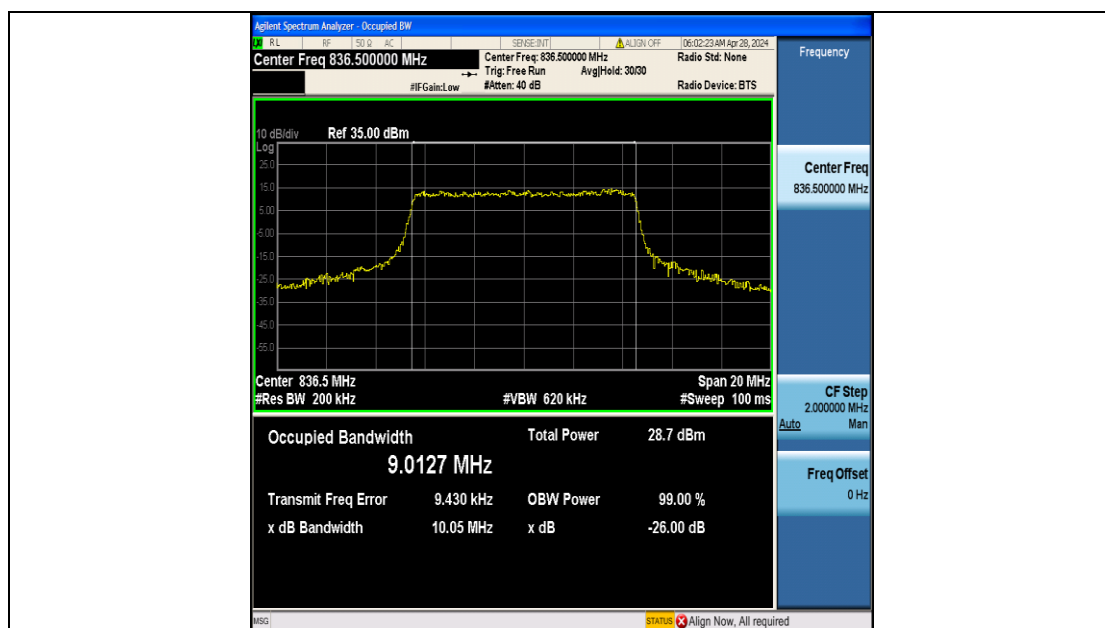
Band5-5MHz-16QAM-20625-25RB#0-PASS



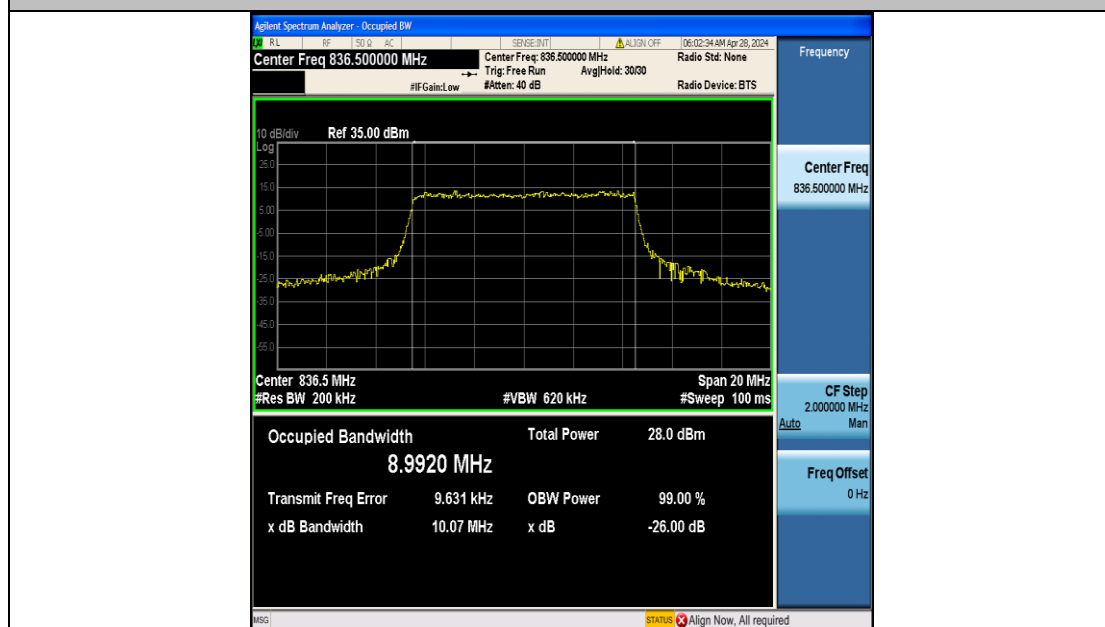
Band5-10MHz-QPSK-20450-50RB#0-PASS



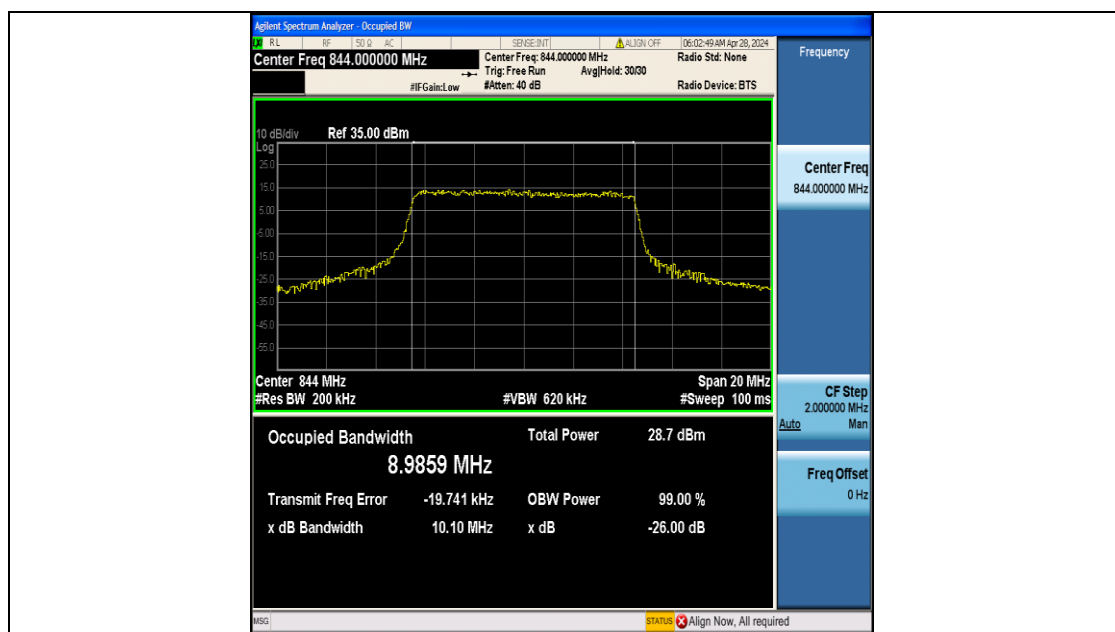
Band5-10MHz-16QAM-20450-50RB#0-PASS



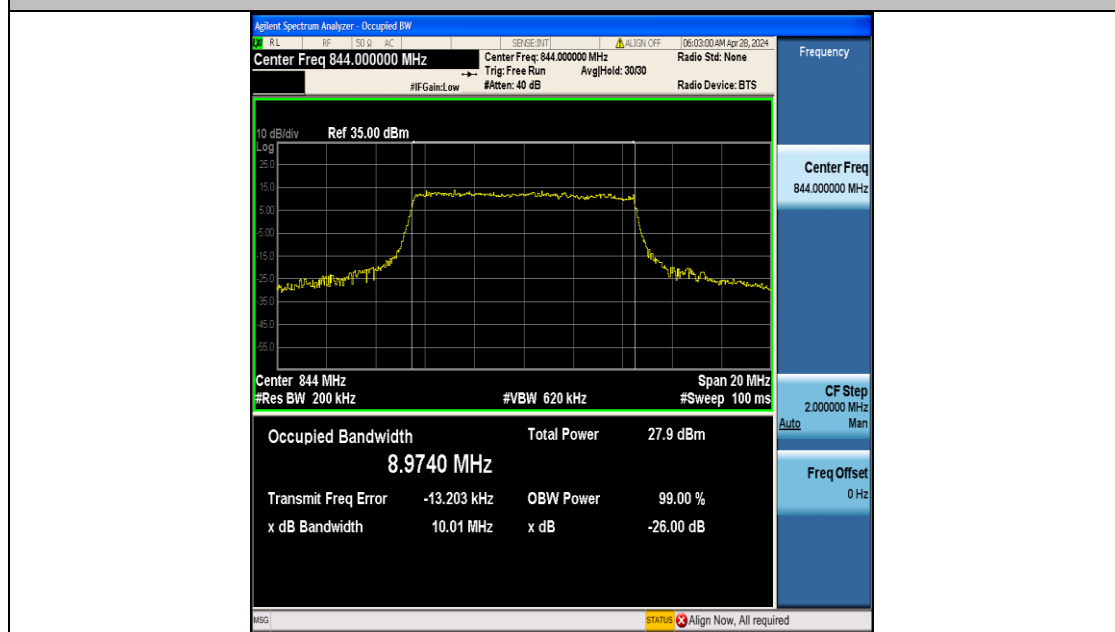
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



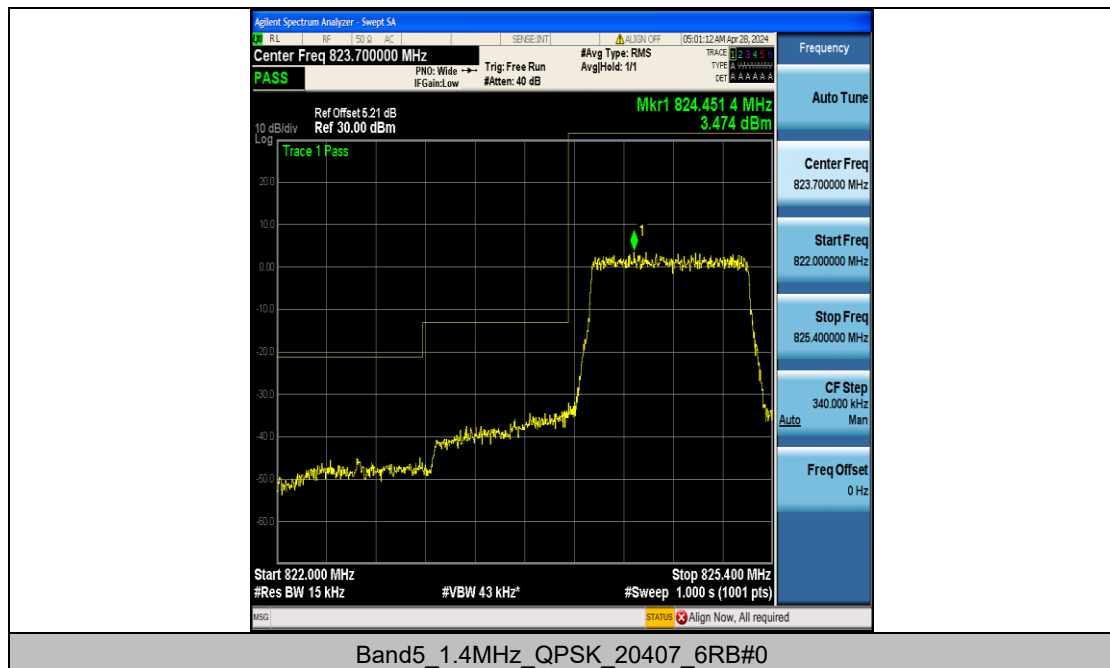
Band5-10MHz-16QAM-20600-50RB#0-PASS

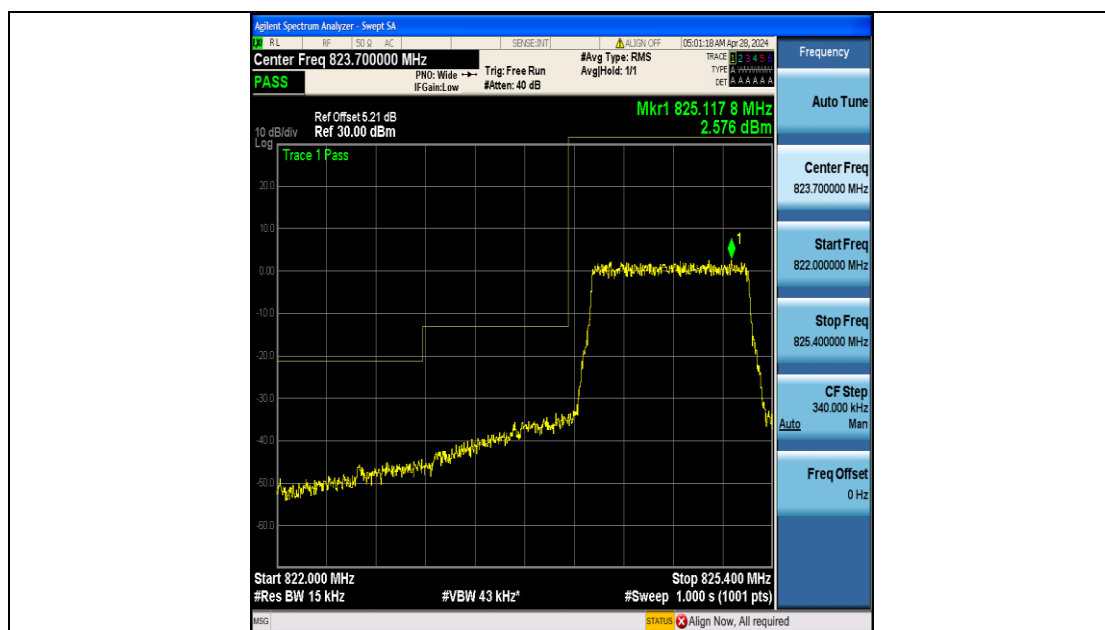
Appendix D: Band Edge

Test Result

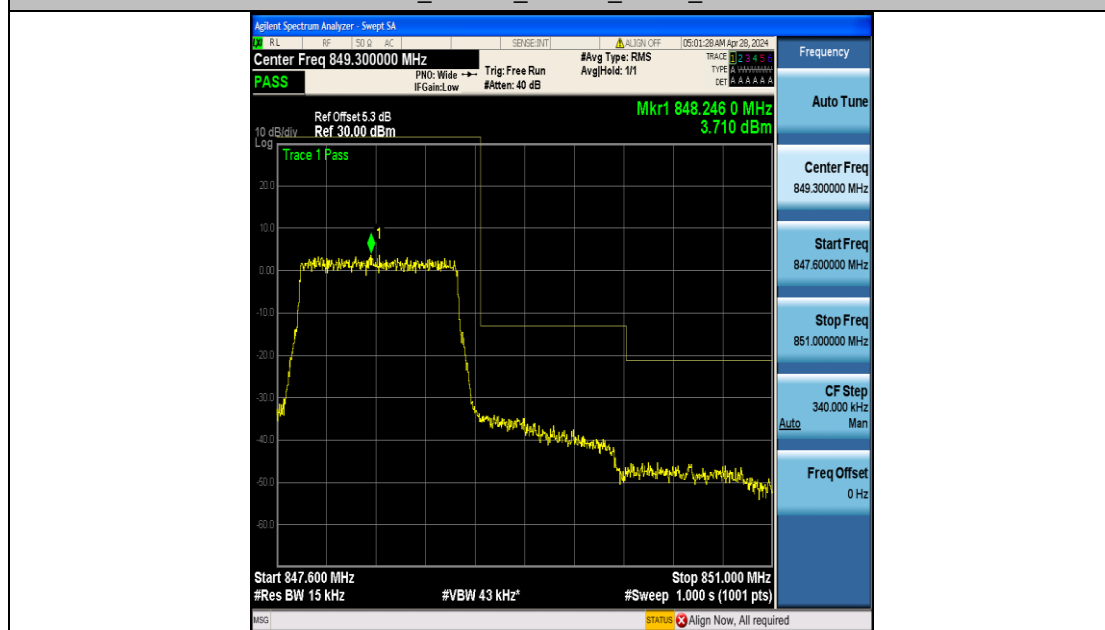
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-33.80	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-33.63	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-34.06	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-34.18	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	-28.07	PASS
Band5	3MHz	QPSK	20635	15RB#0	-27.09	PASS
Band5	3MHz	16QAM	20635	15RB#0	-27.38	PASS
Band5	5MHz	QPSK	20425	25RB#0	-30.54	PASS
Band5	5MHz	16QAM	20425	25RB#0	-31.66	PASS
Band5	5MHz	QPSK	20625	25RB#0	-31.95	PASS
Band5	5MHz	16QAM	20625	25RB#0	-31.87	PASS
Band5	10MHz	QPSK	20450	50RB#0	-33.41	PASS
Band5	10MHz	16QAM	20450	50RB#0	-34.32	PASS
Band5	10MHz	QPSK	20600	50RB#0	-34.28	PASS
Band5	10MHz	16QAM	20600	50RB#0	-35.05	PASS

Test Graphs

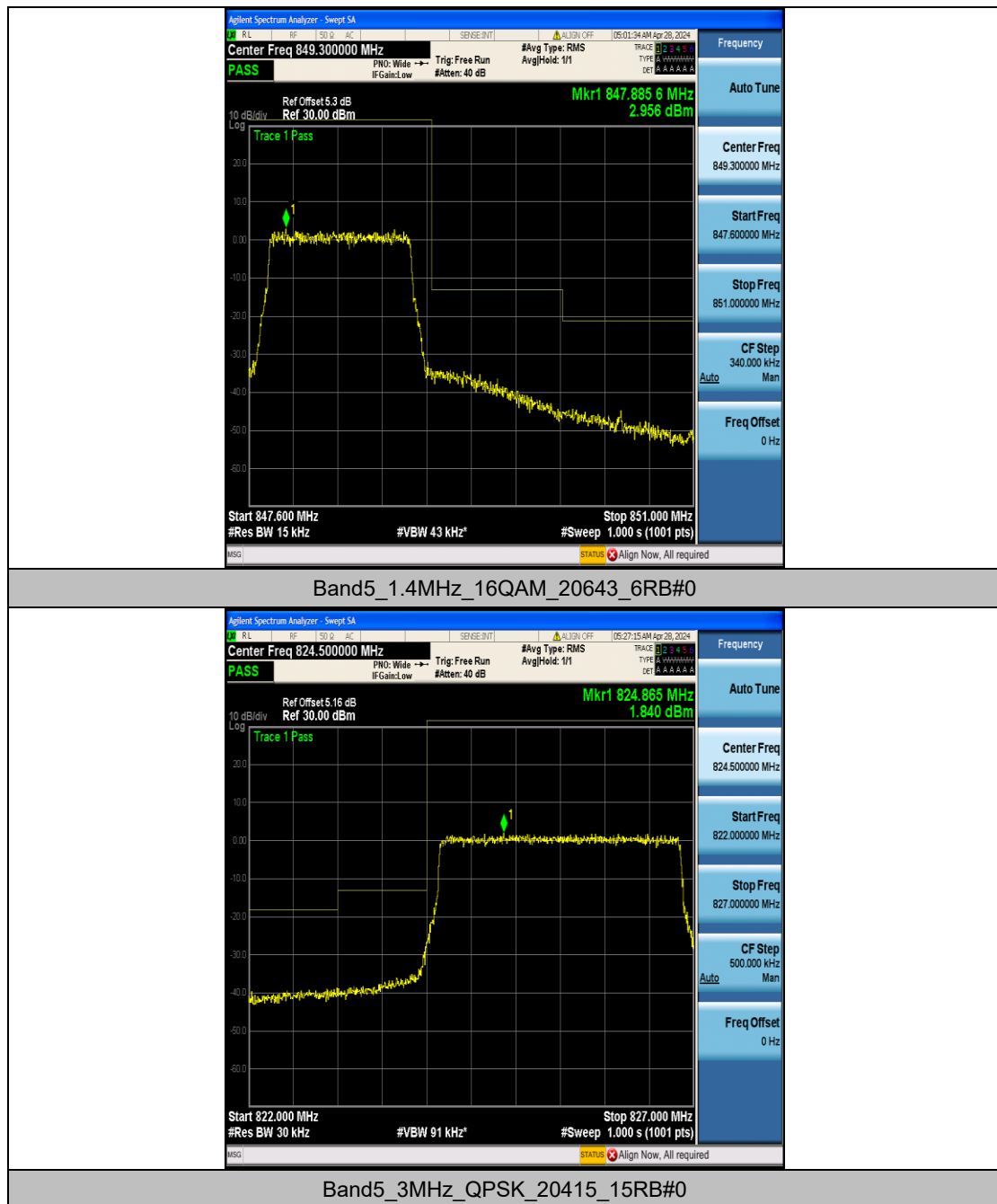


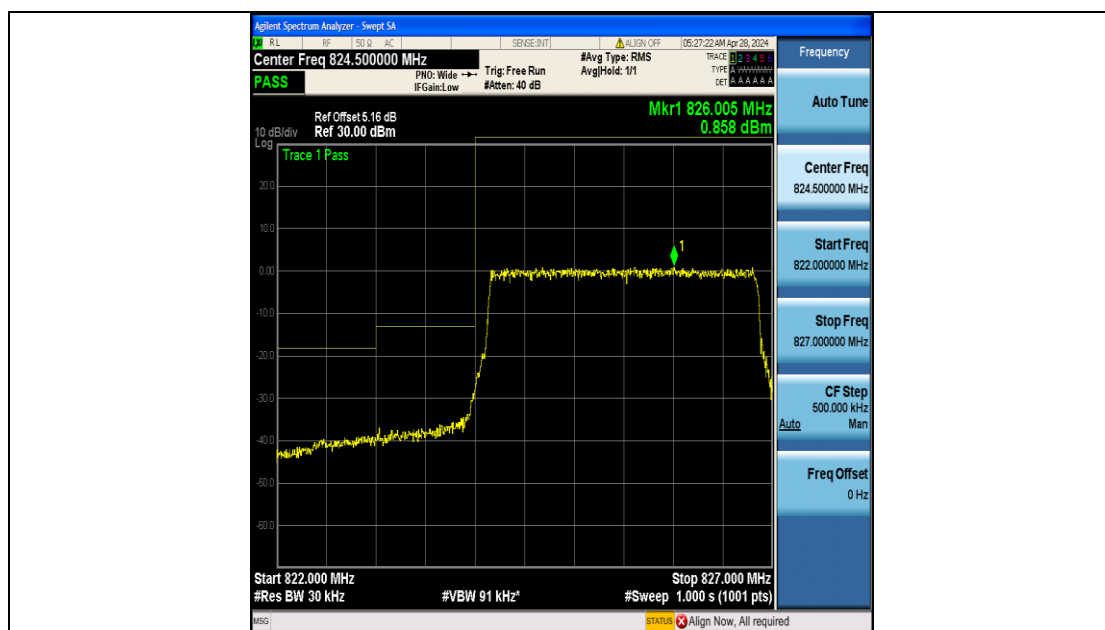


Band5_1.4MHz_16QAM_20407_6RB#0

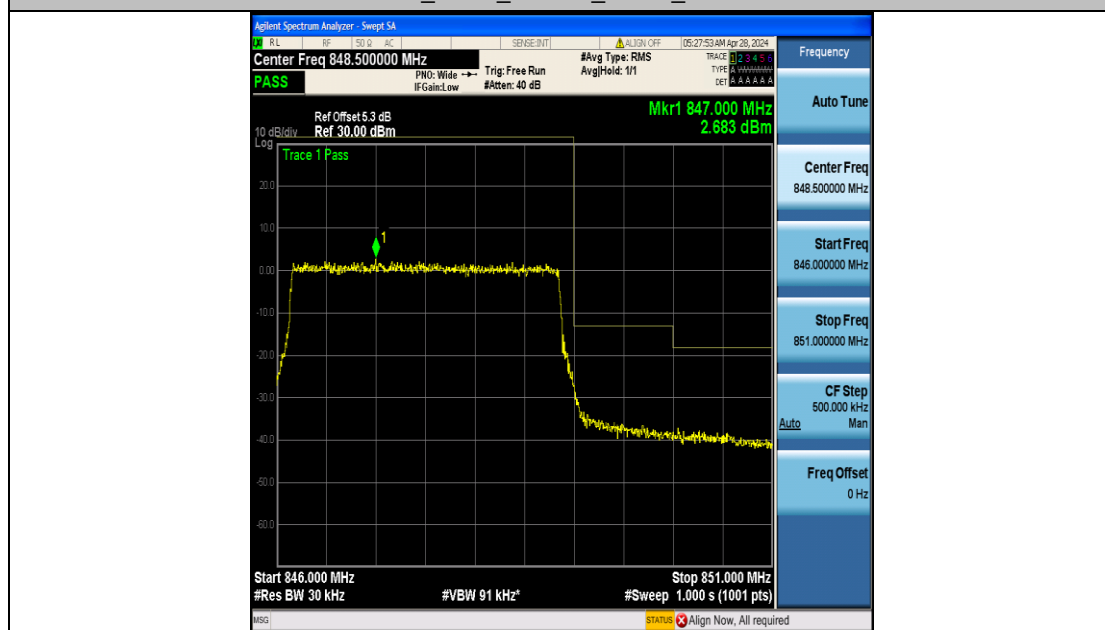


Band5_1.4MHz_QPSK_20643_6RB#0

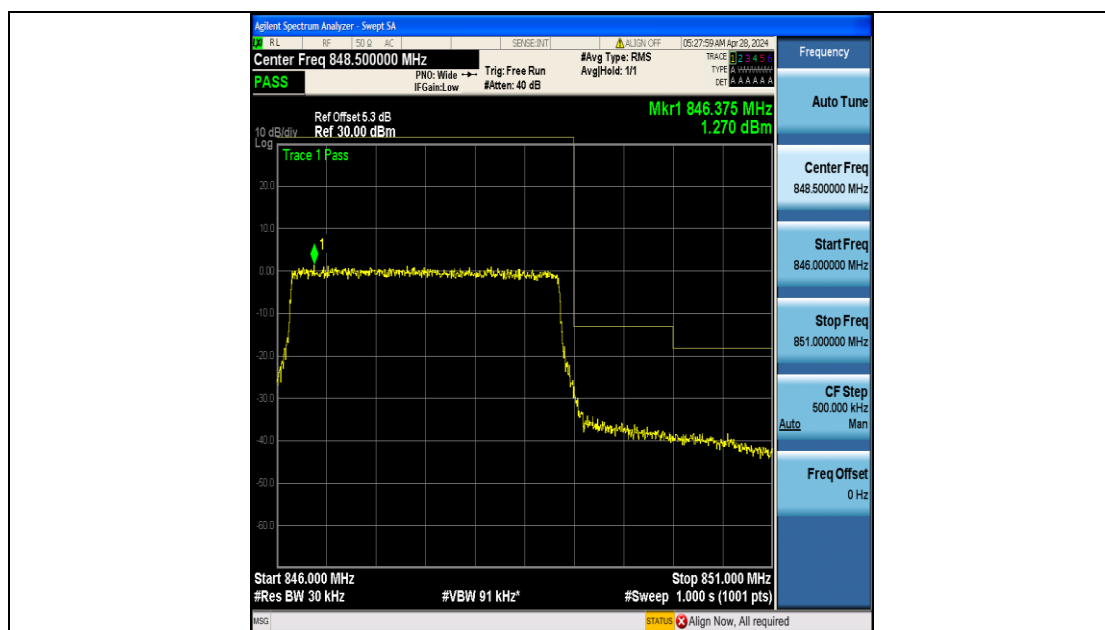




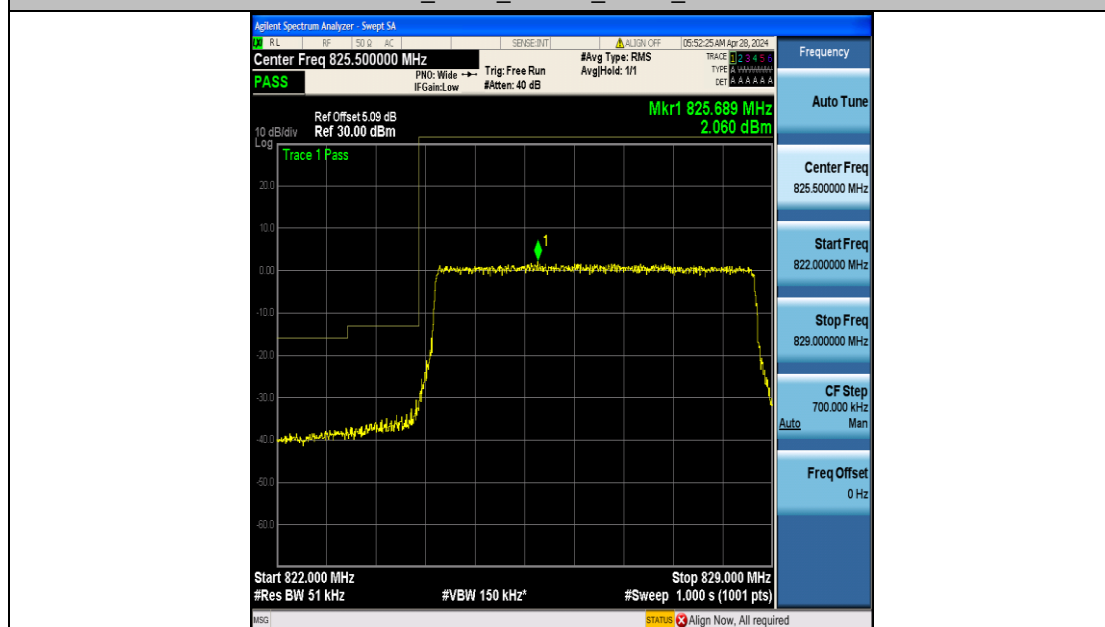
Band5_3MHz_16QAM_20415_15RB#0



Band5_3MHz_QPSK_20635_15RB#0



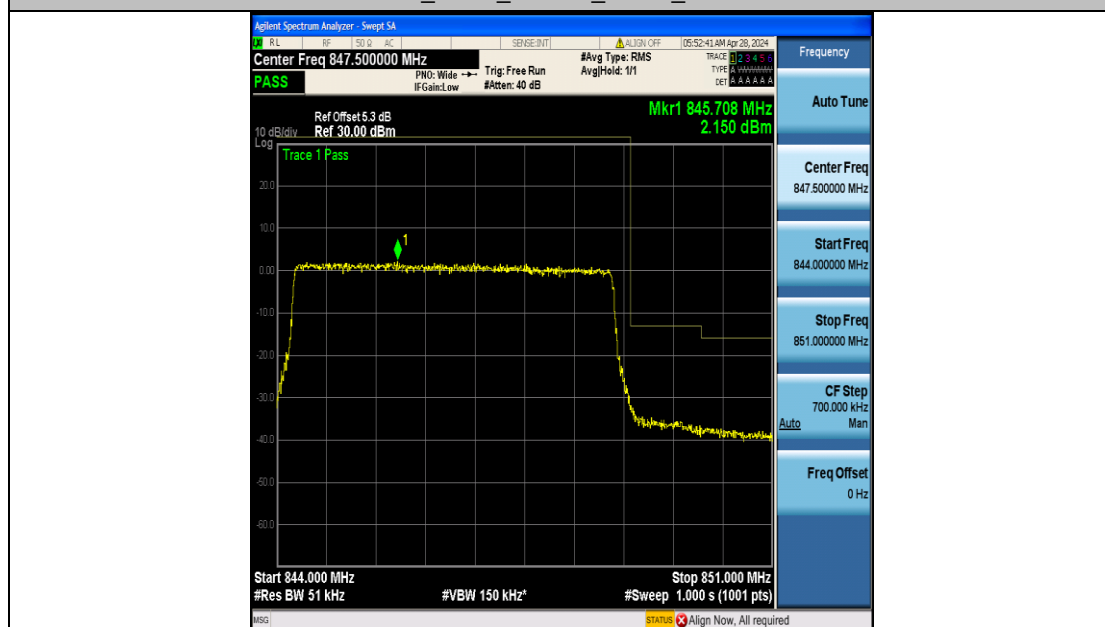
Band5_3MHz_16QAM_20635_15RB#0



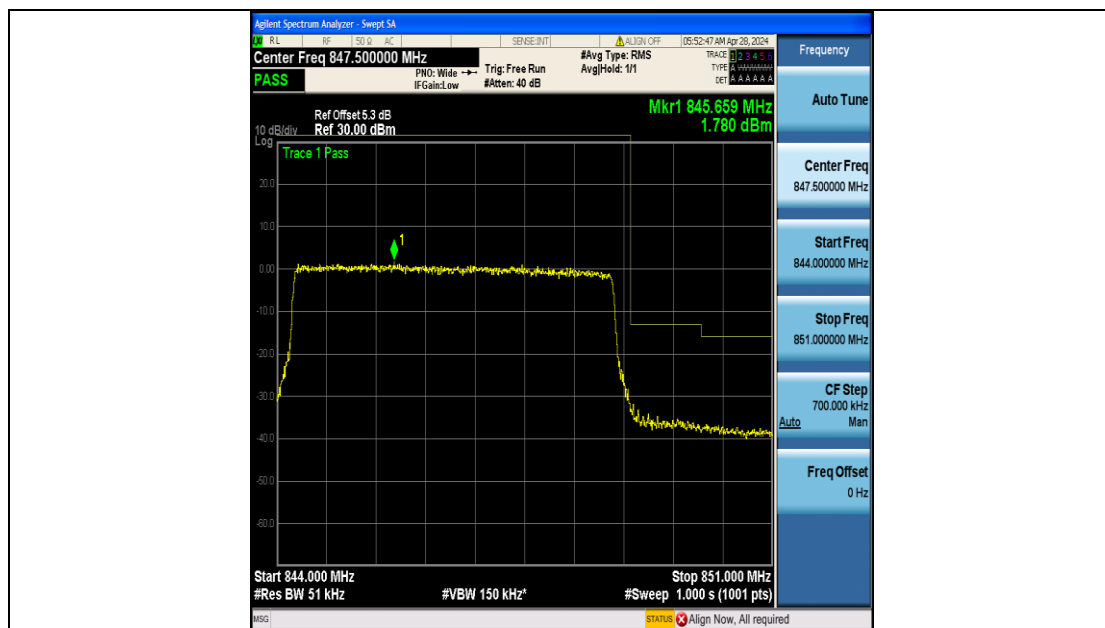
Band5_5MHz_QPSK_20425_25RB#0



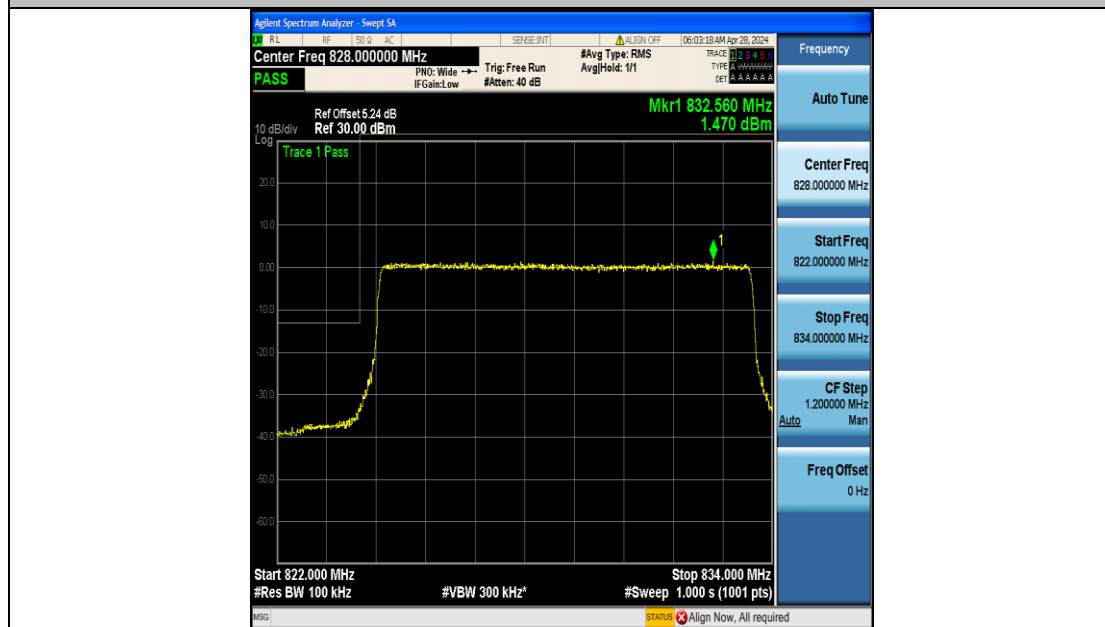
Band5_5MHz_16QAM_20425_25RB#0



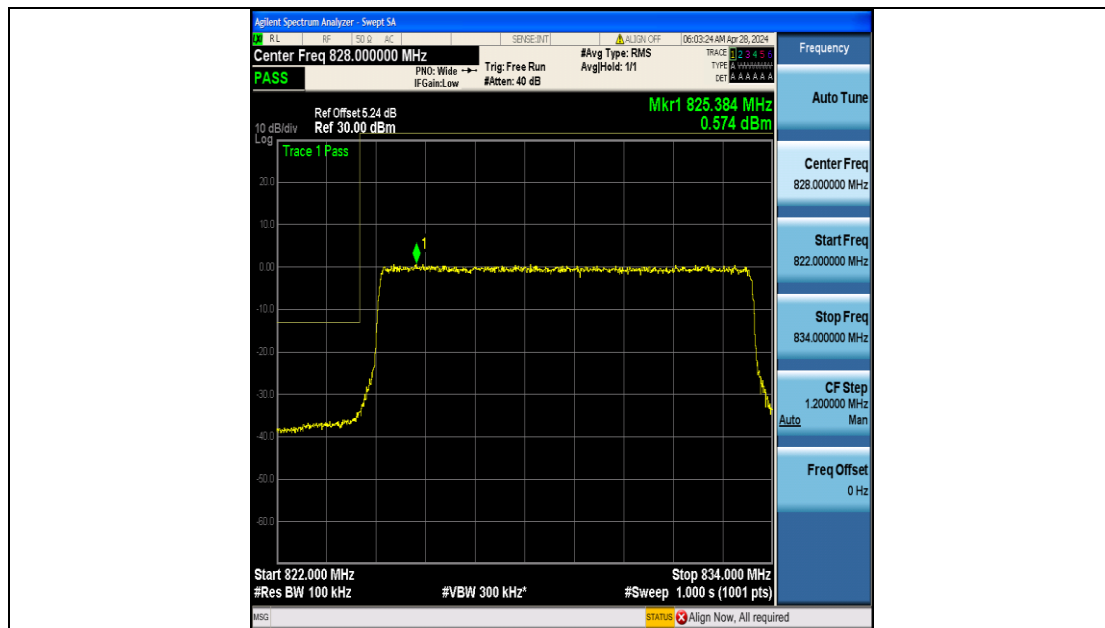
Band5_5MHz_QPSK_20625_25RB#0



Band5_5MHz_16QAM_20625_25RB#0



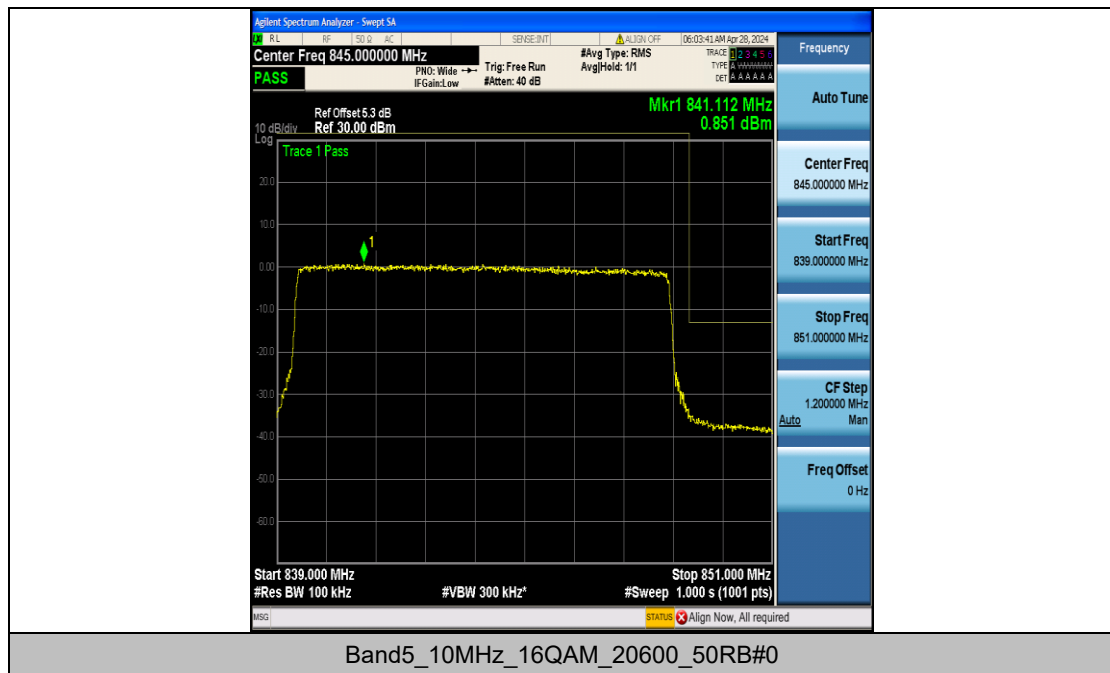
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Appendix E: Conducted Spurious Emission

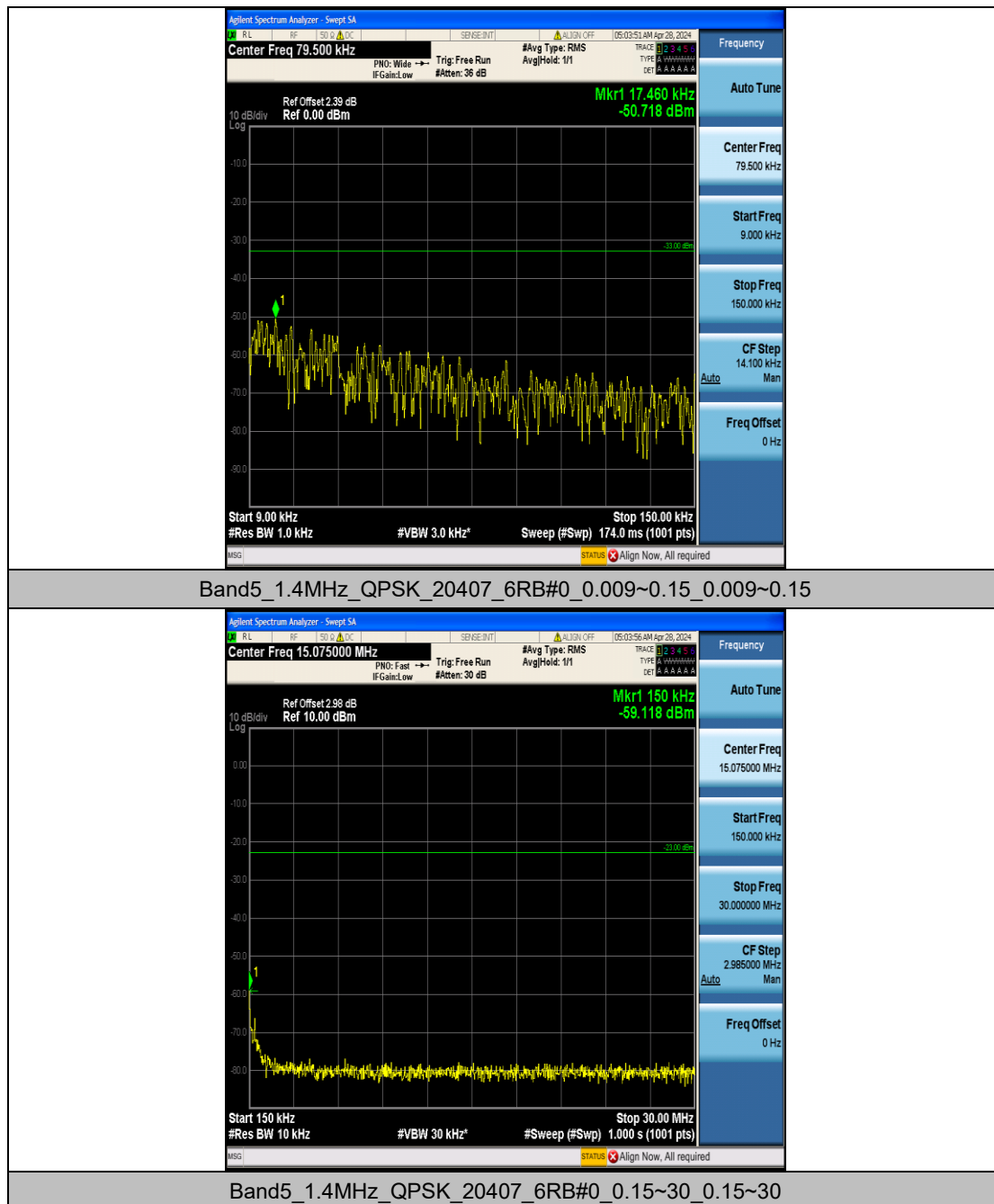
Test Result

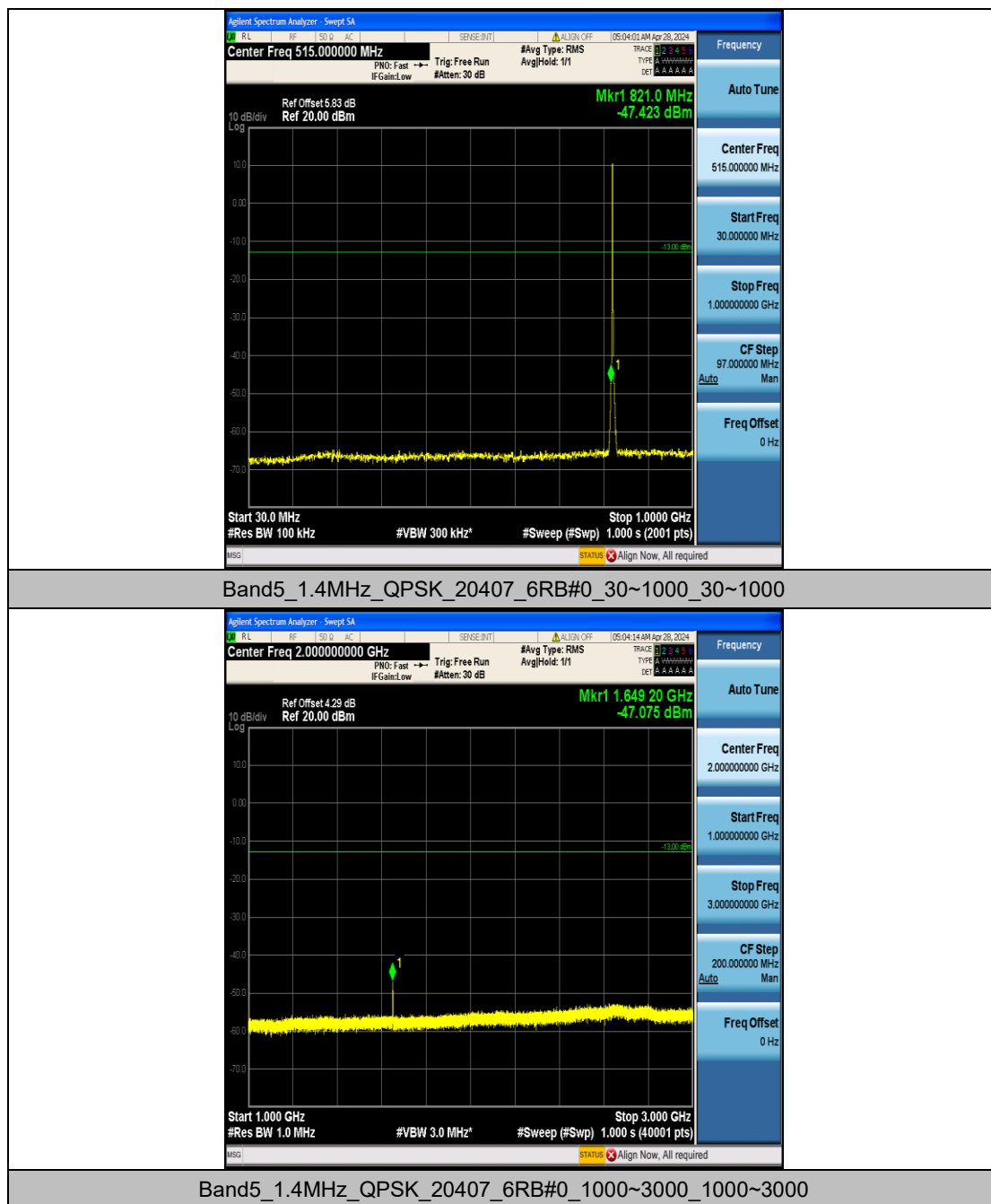
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-50.72	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-59.12	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-47.42	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-47.08	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-49.91	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-45.81	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-58.56	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-49.02	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-47.55	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-49.95	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-48.98	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-58.88	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-49.34	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-51.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-49.50	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-46.51	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-58.19	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-49.14	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-52.20	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-49.65	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-44.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-57.80	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-43.69	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-51.99	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-49.51	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-48.51	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-58.50	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-46.84	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-52.58	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-49.91	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-49.44	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-57.87	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-49.77	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-50.19	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-49.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-47.73	PASS

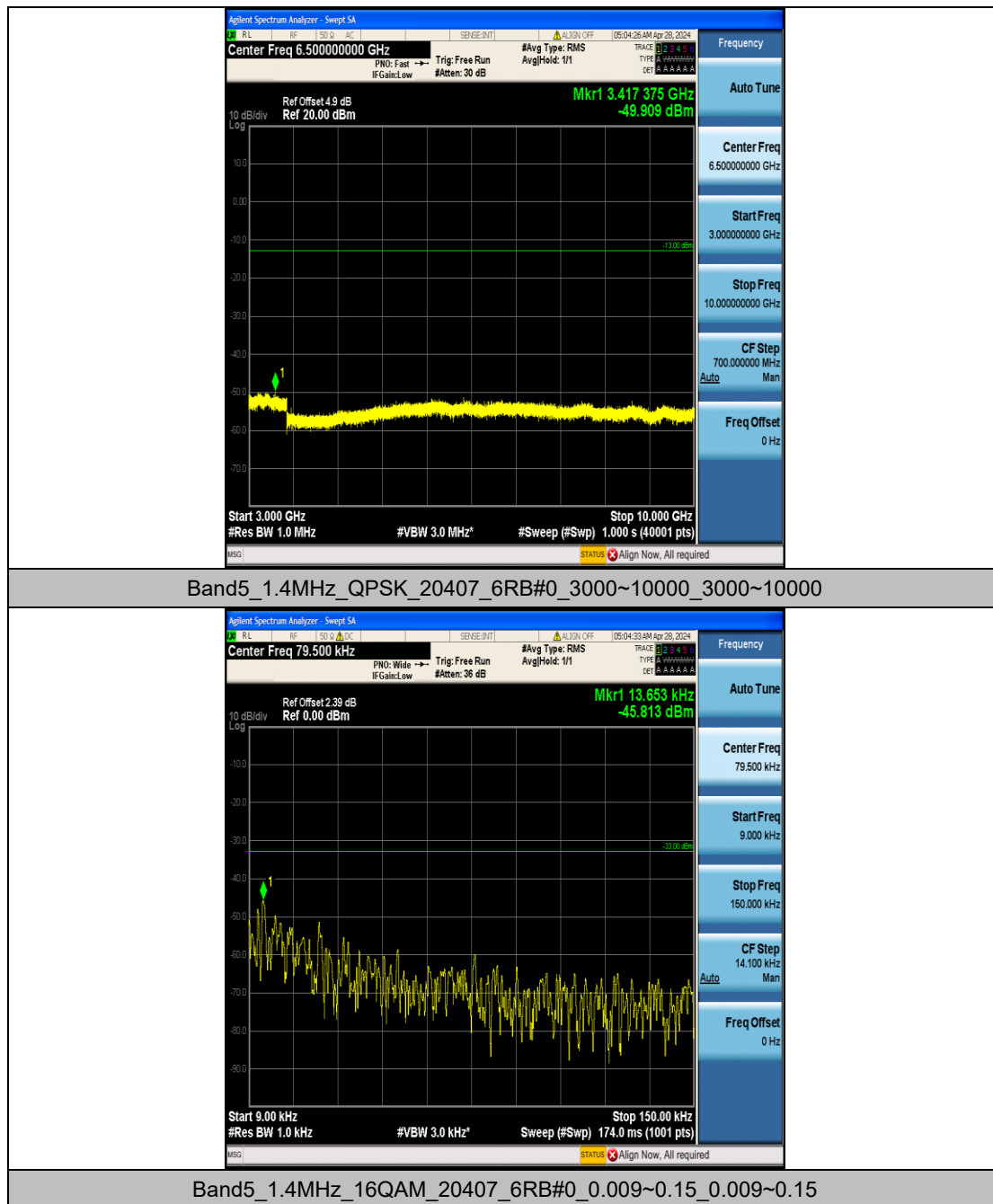
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-57.66	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-51.43	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-49.72	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-49.91	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-49.46	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-58.26	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-48.81	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-52.64	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-49.76	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-48.57	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-57.60	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-49.51	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.13	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-49.86	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-47.61	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-59.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-47.40	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-52.60	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-49.24	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-45.13	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-57.87	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-47.92	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.57	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-49.42	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-48.10	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-59.01	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-51.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-51.55	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-49.76	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-48.26	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-60.11	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-52.76	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-51.97	PASS
Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-49.95	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-50.55	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-58.32	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-50.60	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.66	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-49.95	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-43.73	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-57.28	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-52.11	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.17	PASS

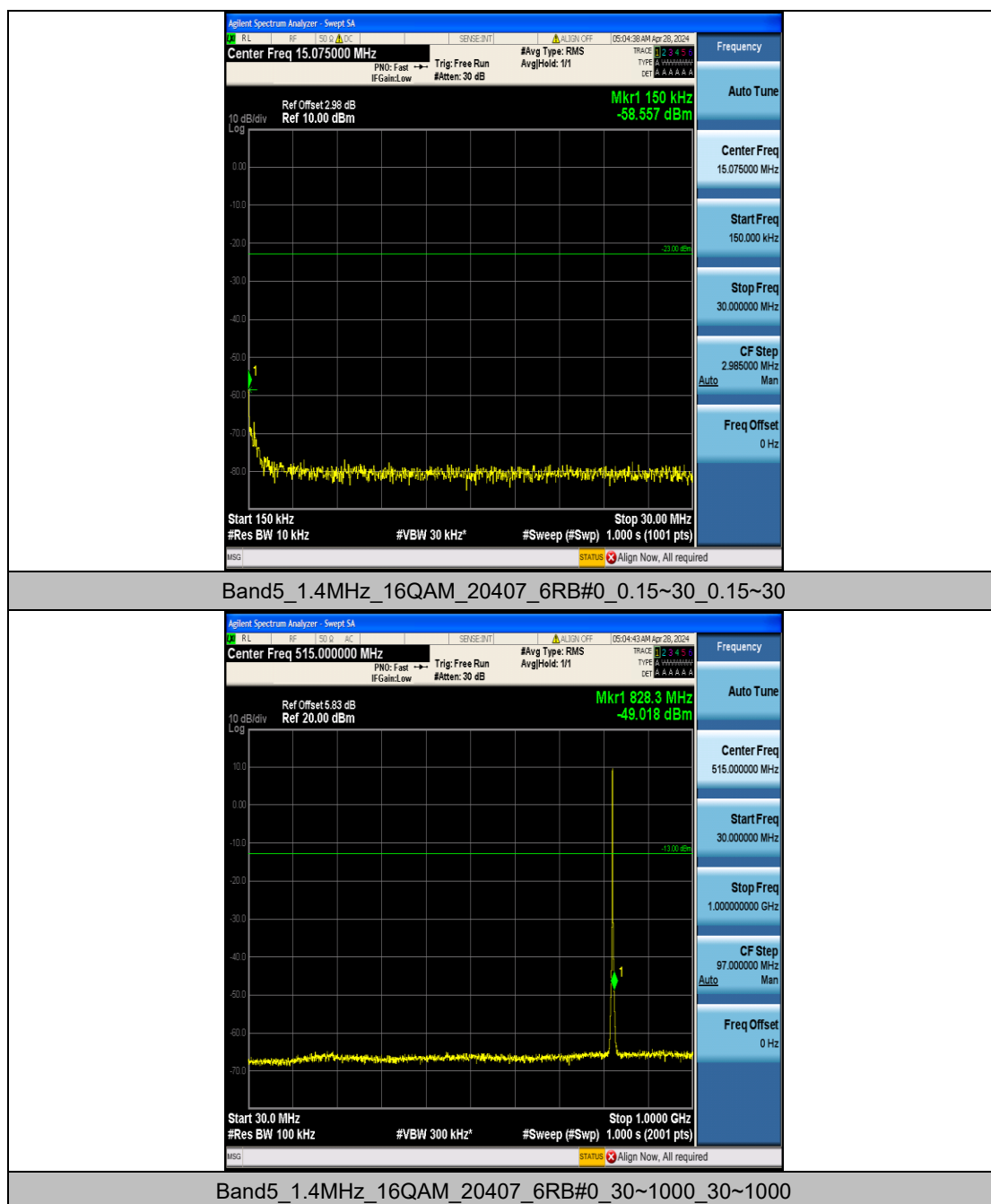
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-49.83	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-49.49	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-59.21	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-48.82	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.69	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-49.56	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-43.41	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-59.70	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-50.42	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.53	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-49.92	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-50.10	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-59.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-59.79	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.00	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-49.65	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-45.89	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-60.98	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-59.39	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-52.29	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-49.93	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-47.29	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-58.36	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-64.44	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.32	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-49.48	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-50.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-61.35	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-64.35	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.43	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-49.17	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-46.26	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-57.40	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-53.17	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.60	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-49.78	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-49.57	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-57.48	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-54.51	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.34	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-49.95	PASS

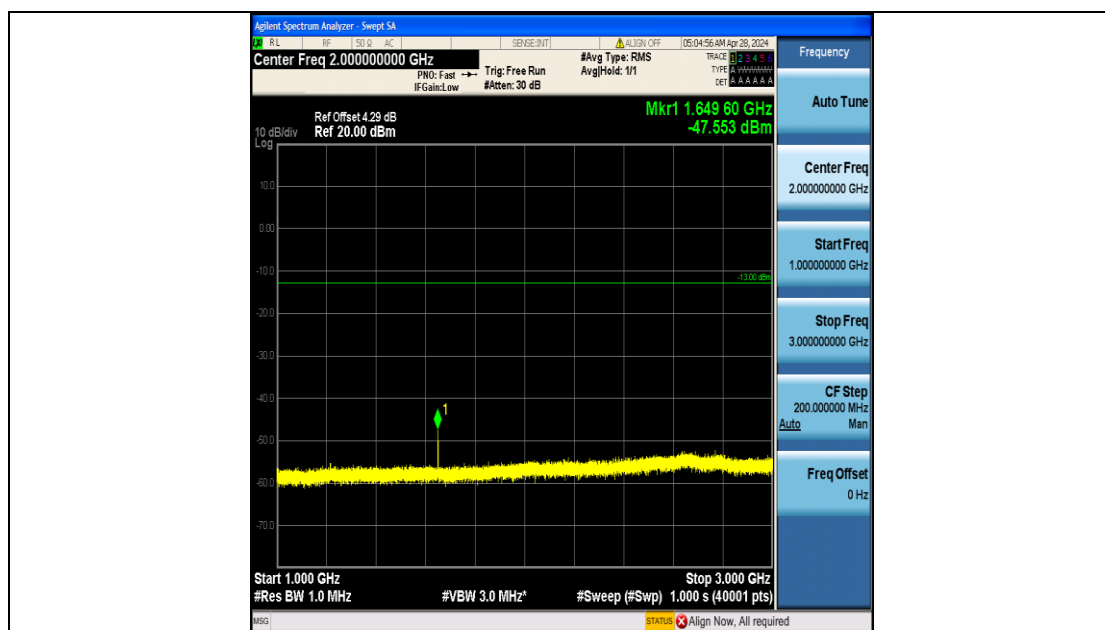
Test Graphs



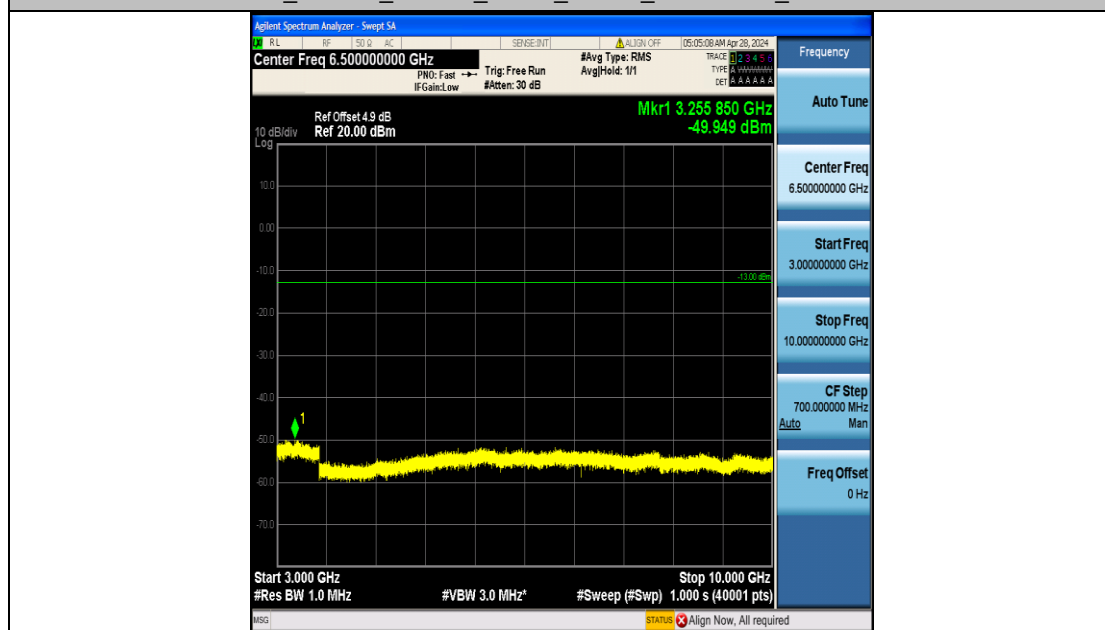








Band5_1.4MHz_16QAM_20407_6RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20407_6RB#0_3000~10000_3000~10000

