

FCC LTE Band Test Data

FCC ID : 2A8ZB-G232

Company: : Shenzhen Weiwo Intelligent Electronics Co., Ltd

EUT : 4G smartwatch

Model Number : G232

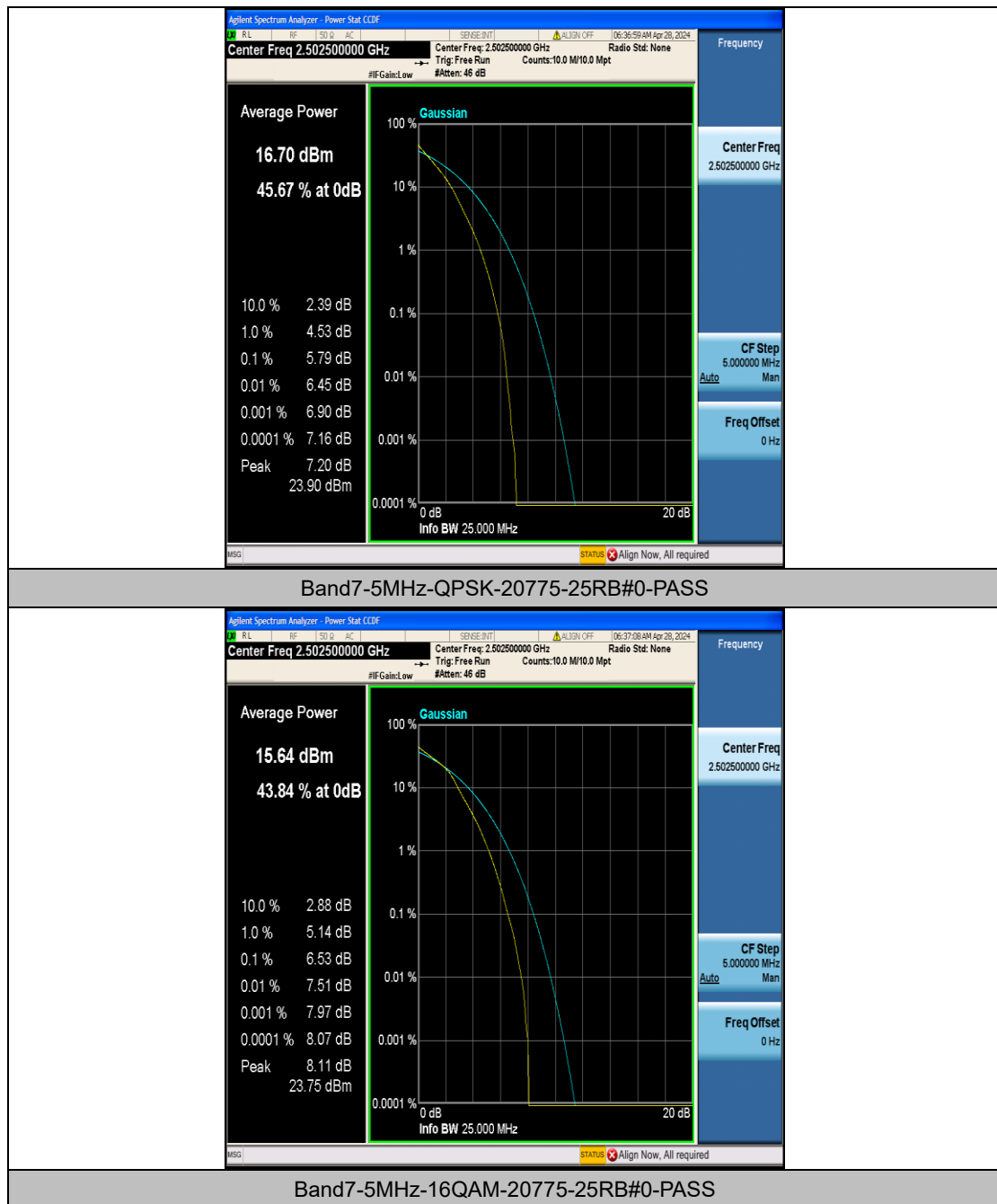
Reviewed By : Eric Wang

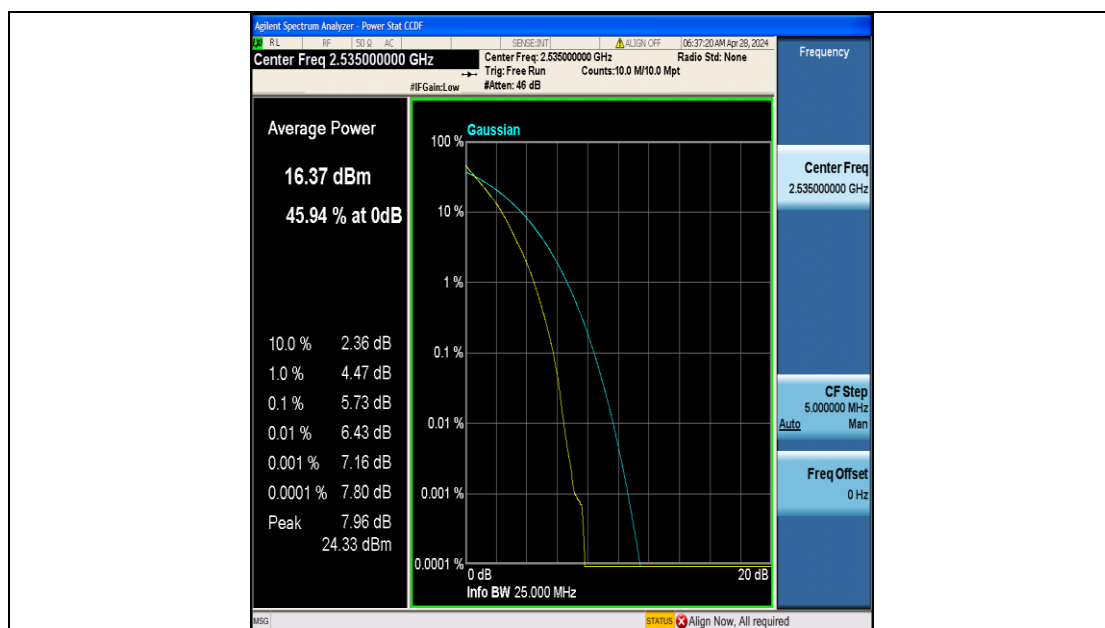
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

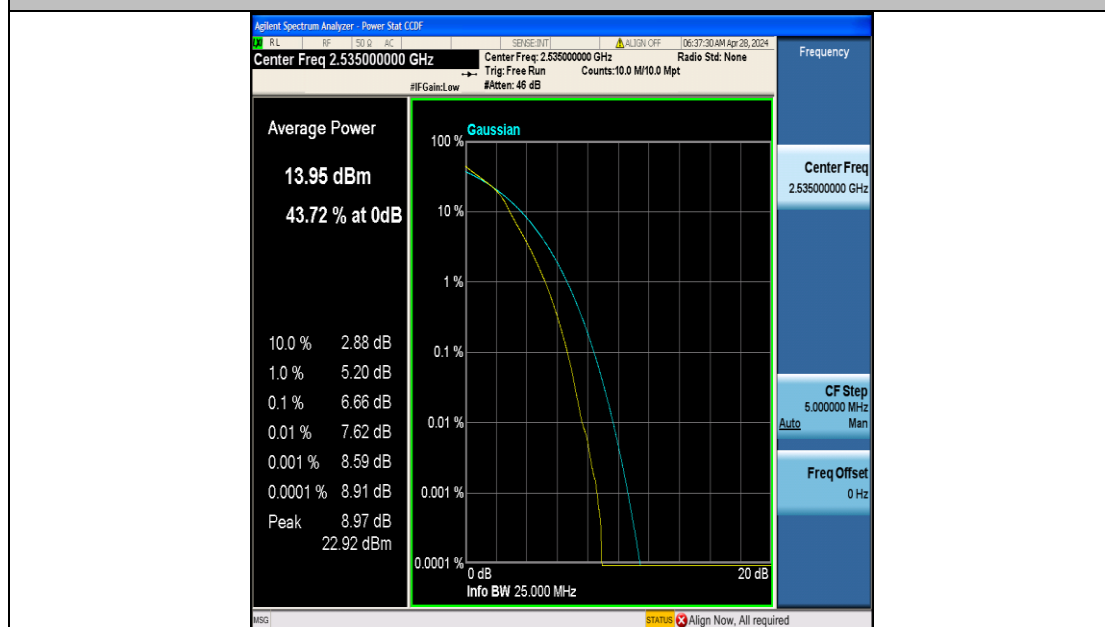
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.79	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.53	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.73	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.66	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.60	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.55	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.58	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.29	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.53	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.45	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.58	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.39	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.92	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.20	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.92	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.50	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.95	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.37	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.51	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.10	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.75	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.47	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.57	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.21	13	PASS

Test Graphs

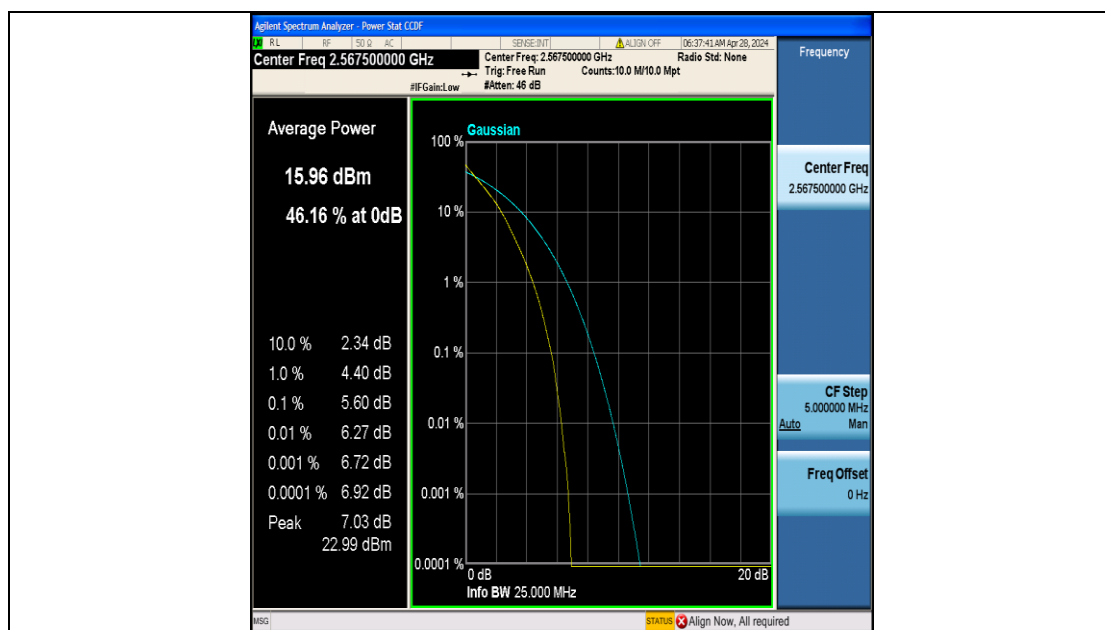




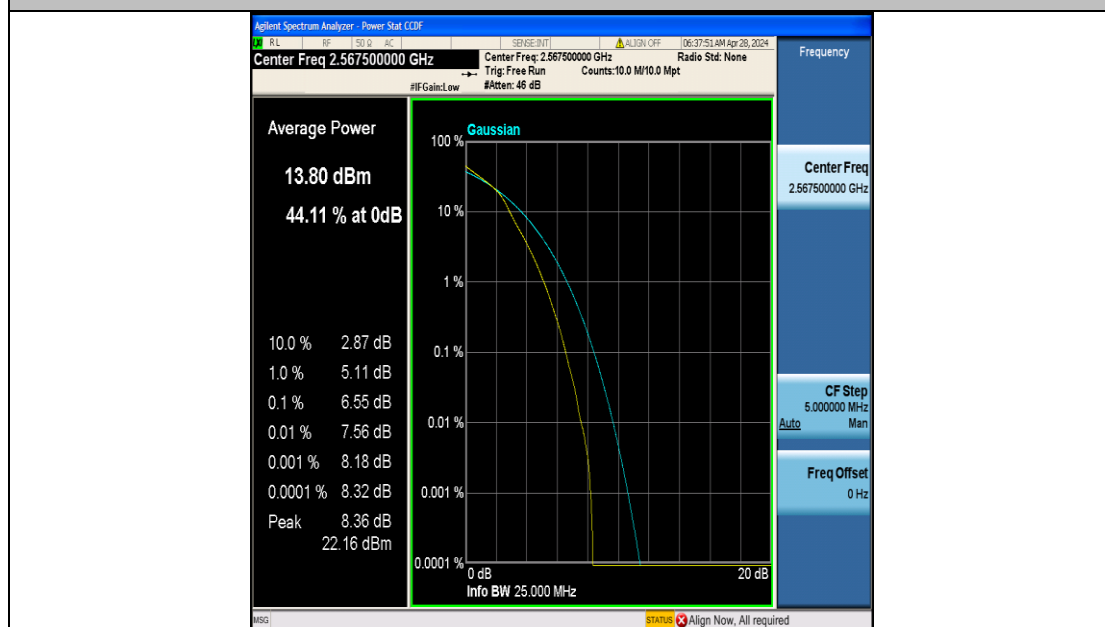
Band7-5MHz-QPSK-21100-25RB#0-PASS



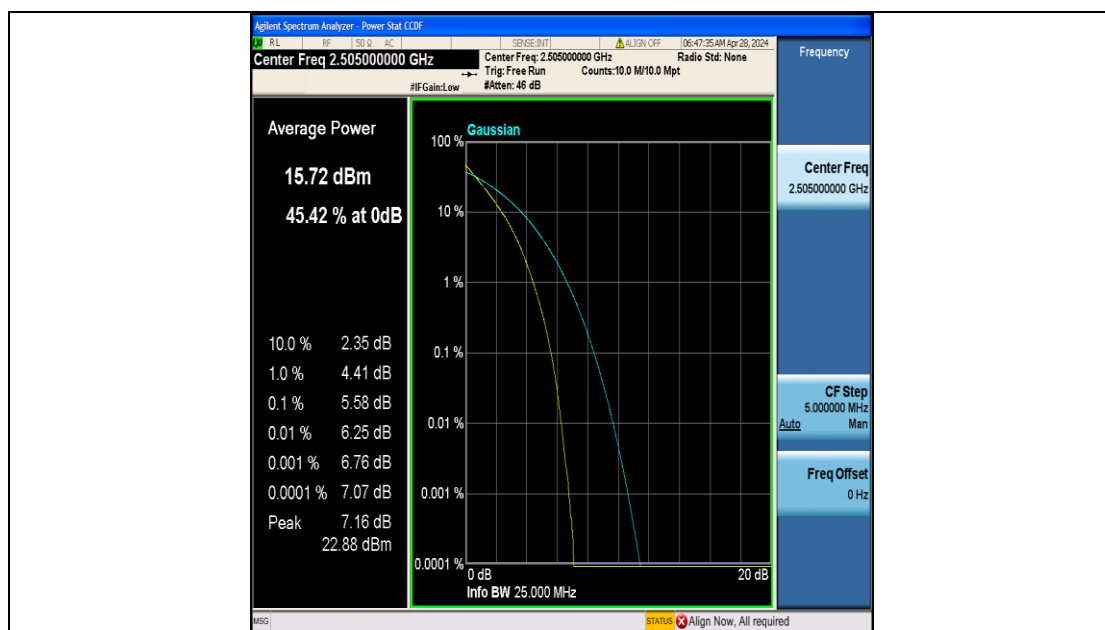
Band7-5MHz-16QAM-21100-25RB#0-PASS



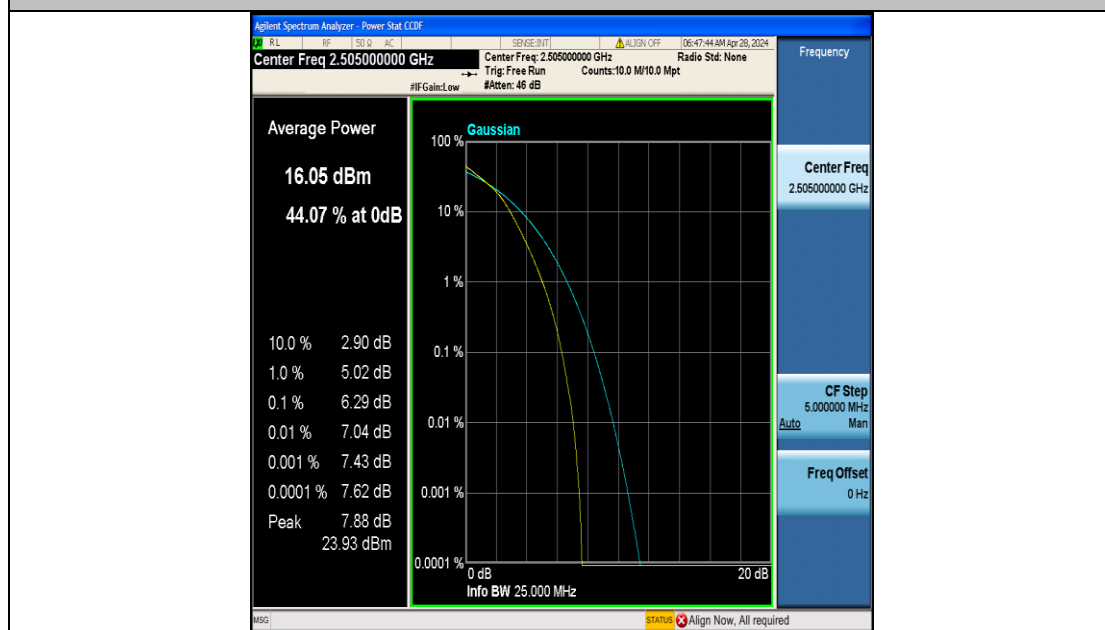
Band7-5MHz-QPSK-21425-25RB#0-PASS



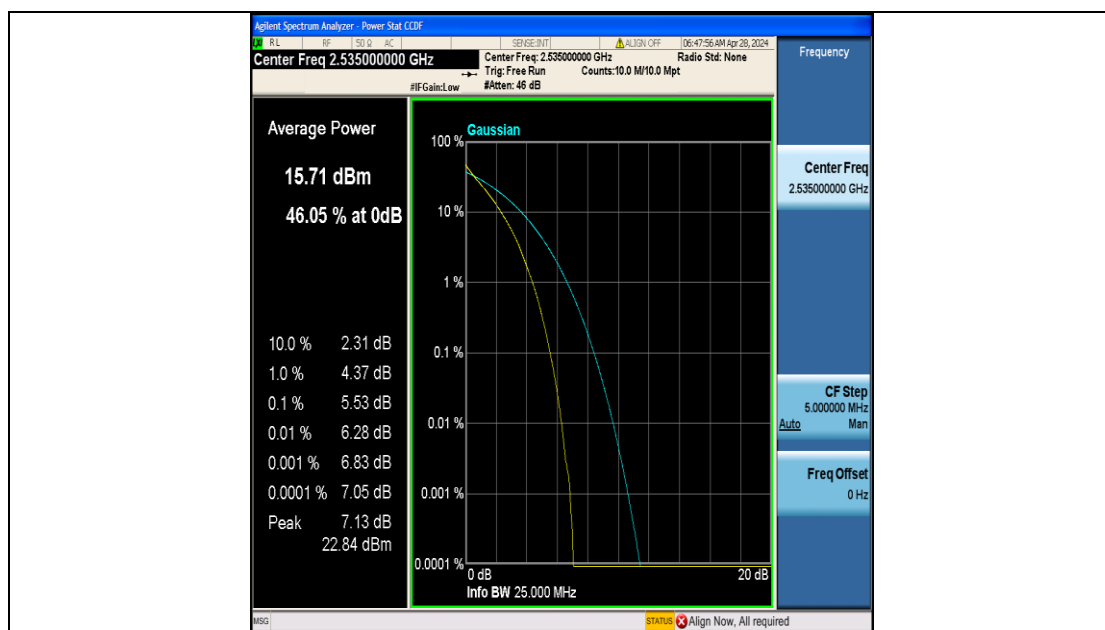
Band7-5MHz-16QAM-21425-25RB#0-PASS



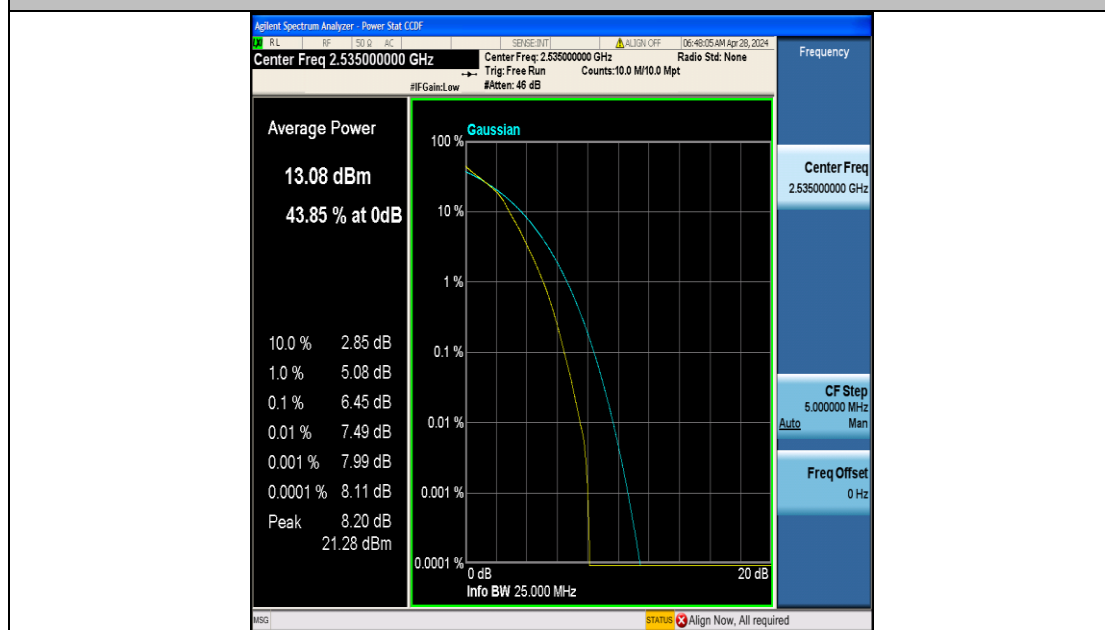
Band7-10MHz-QPSK-20800-50RB#0-PASS



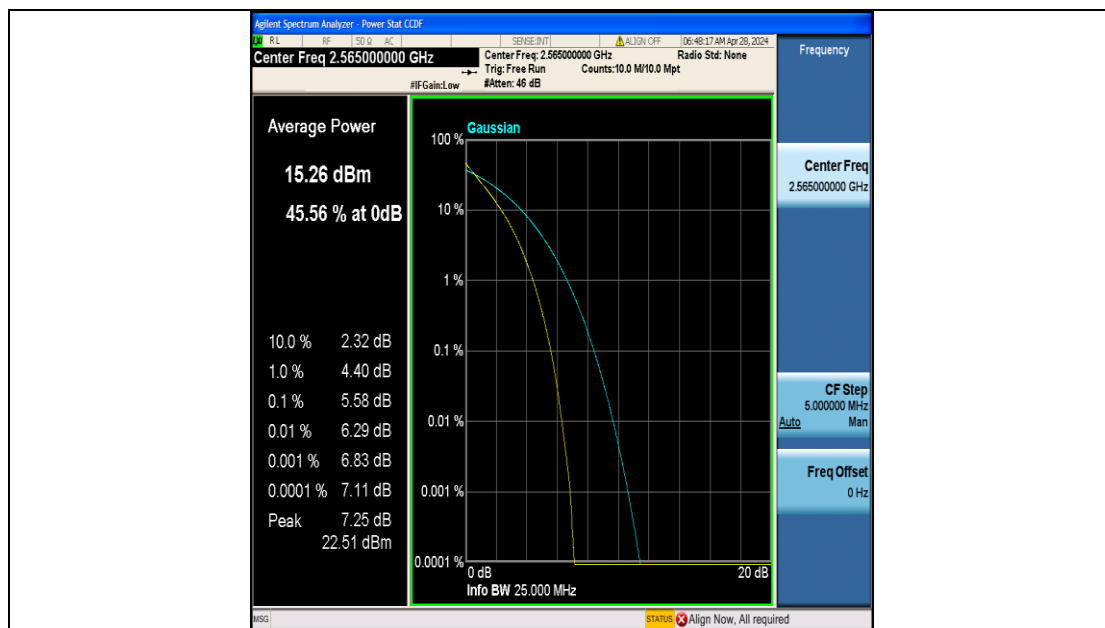
Band7-10MHz-16QAM-20800-50RB#0-PASS



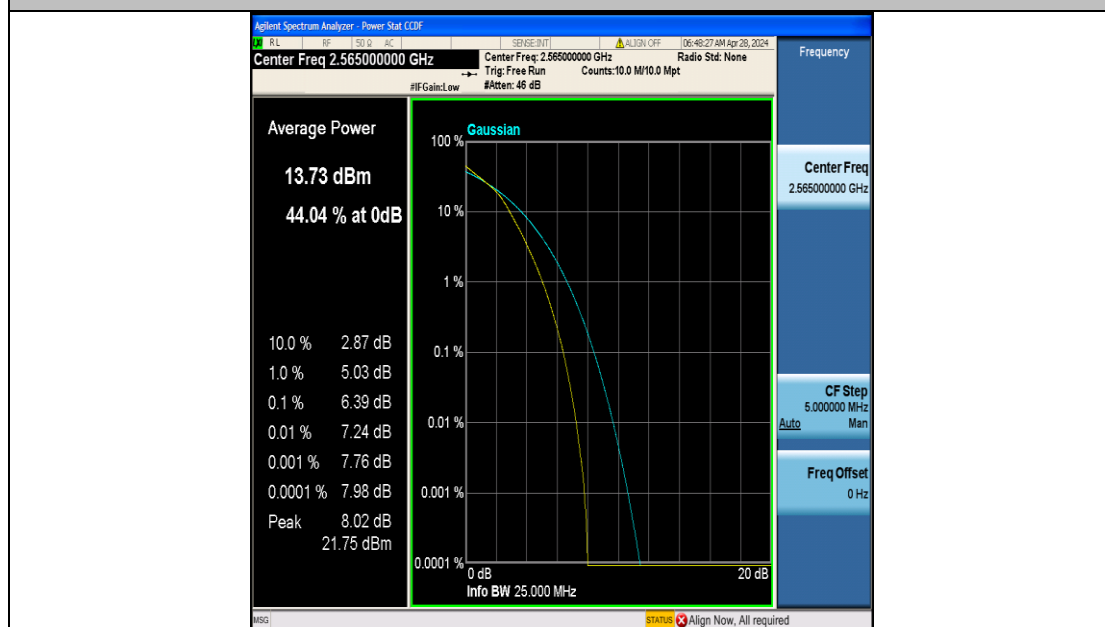
Band7-10MHz-QPSK-21100-50RB#0-PASS



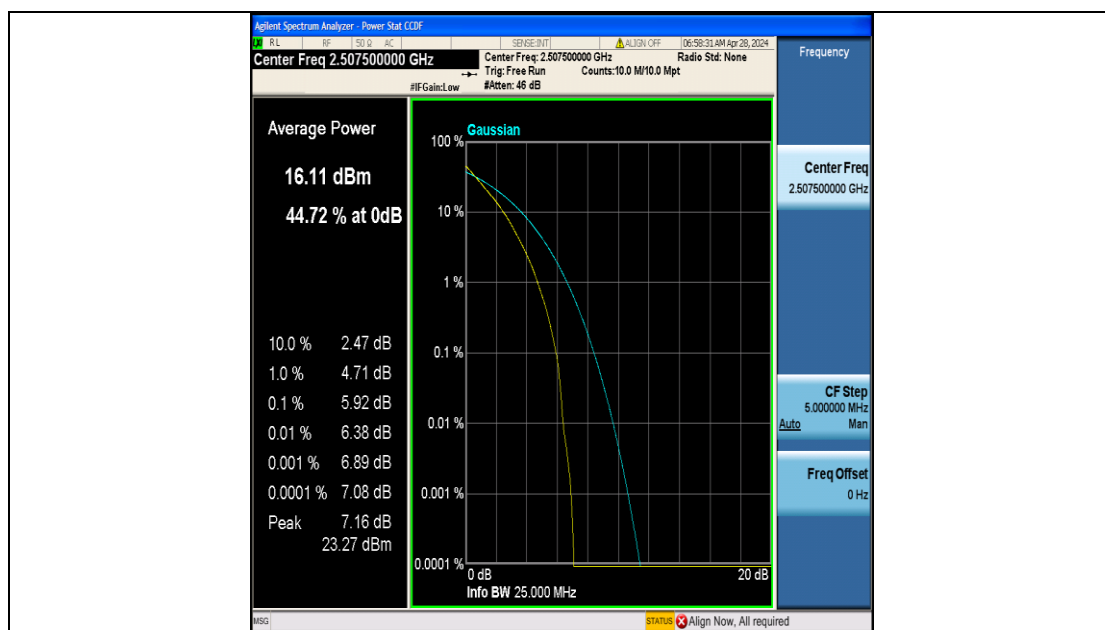
Band7-10MHz-16QAM-21100-50RB#0-PASS



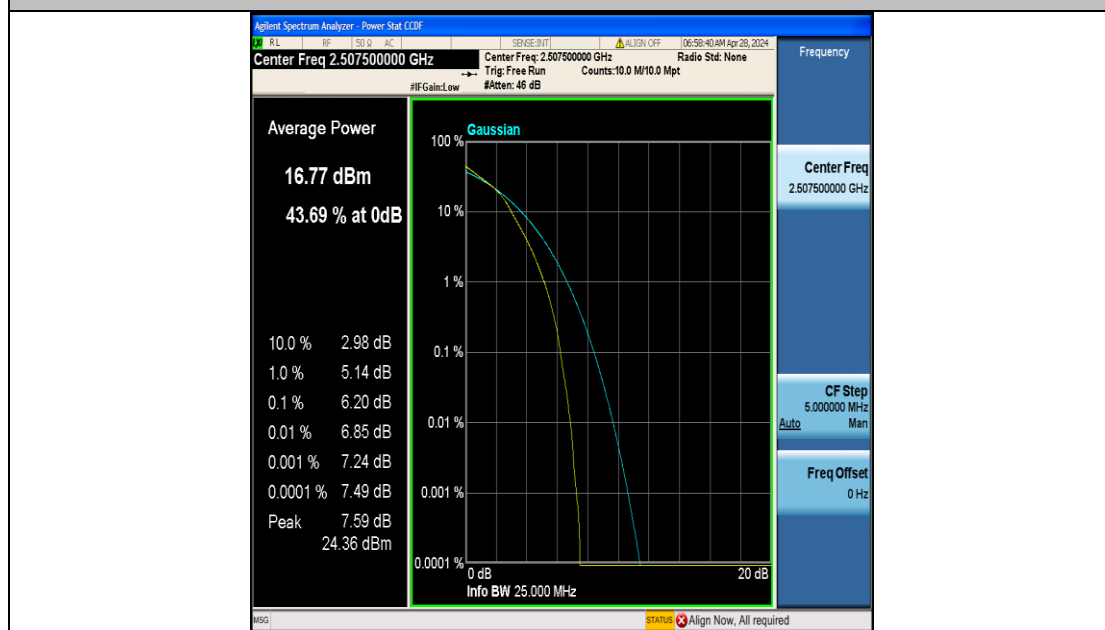
Band7-10MHz-QPSK-21400-50RB#0-PASS



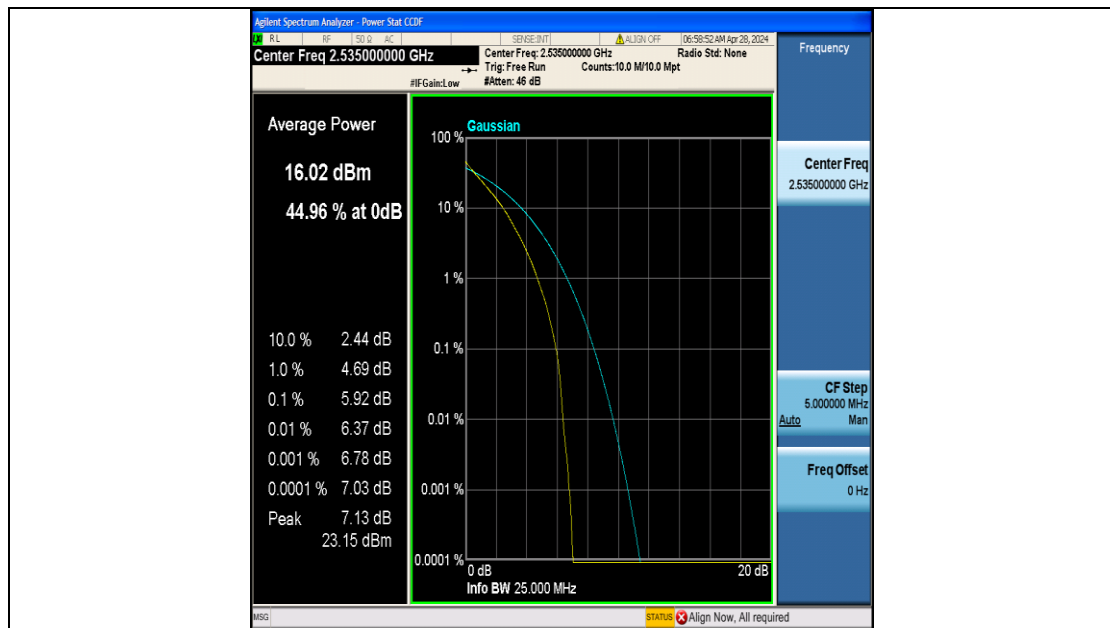
Band7-10MHz-16QAM-21400-50RB#0-PASS



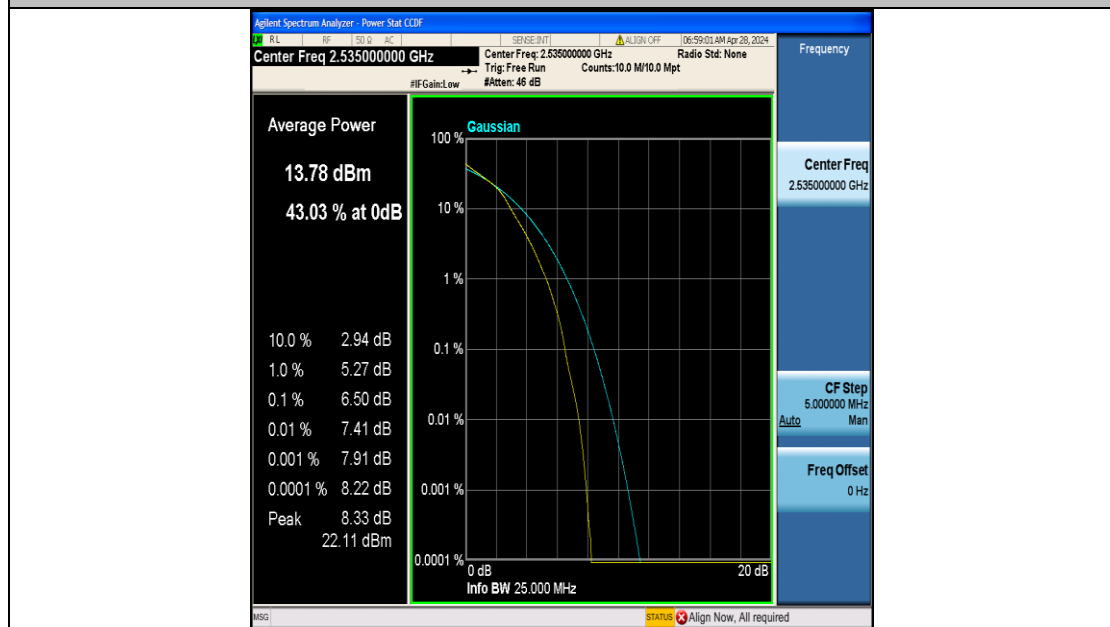
Band7-15MHz-QPSK-20825-75RB#0-PASS



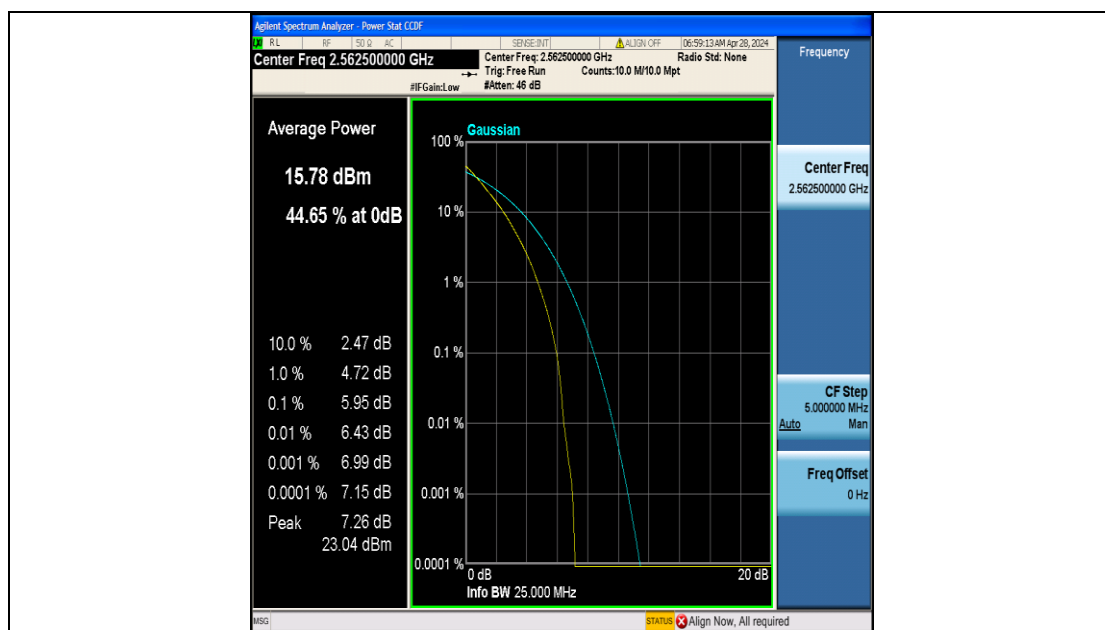
Band7-15MHz-16QAM-20825-75RB#0-PASS



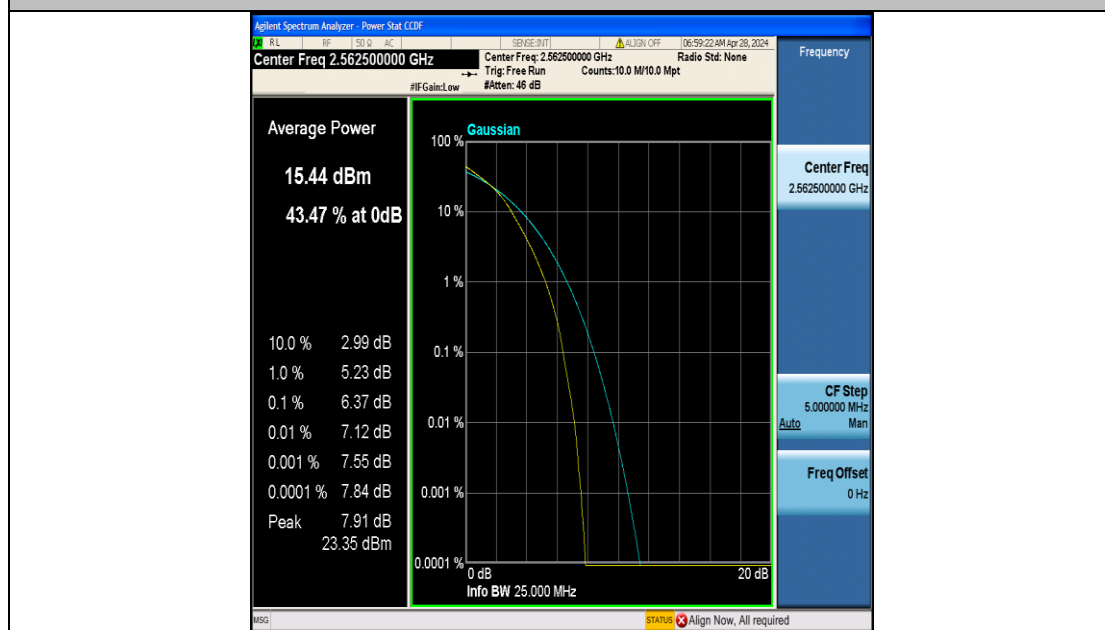
Band7-15MHz-QPSK-21100-75RB#0-PASS



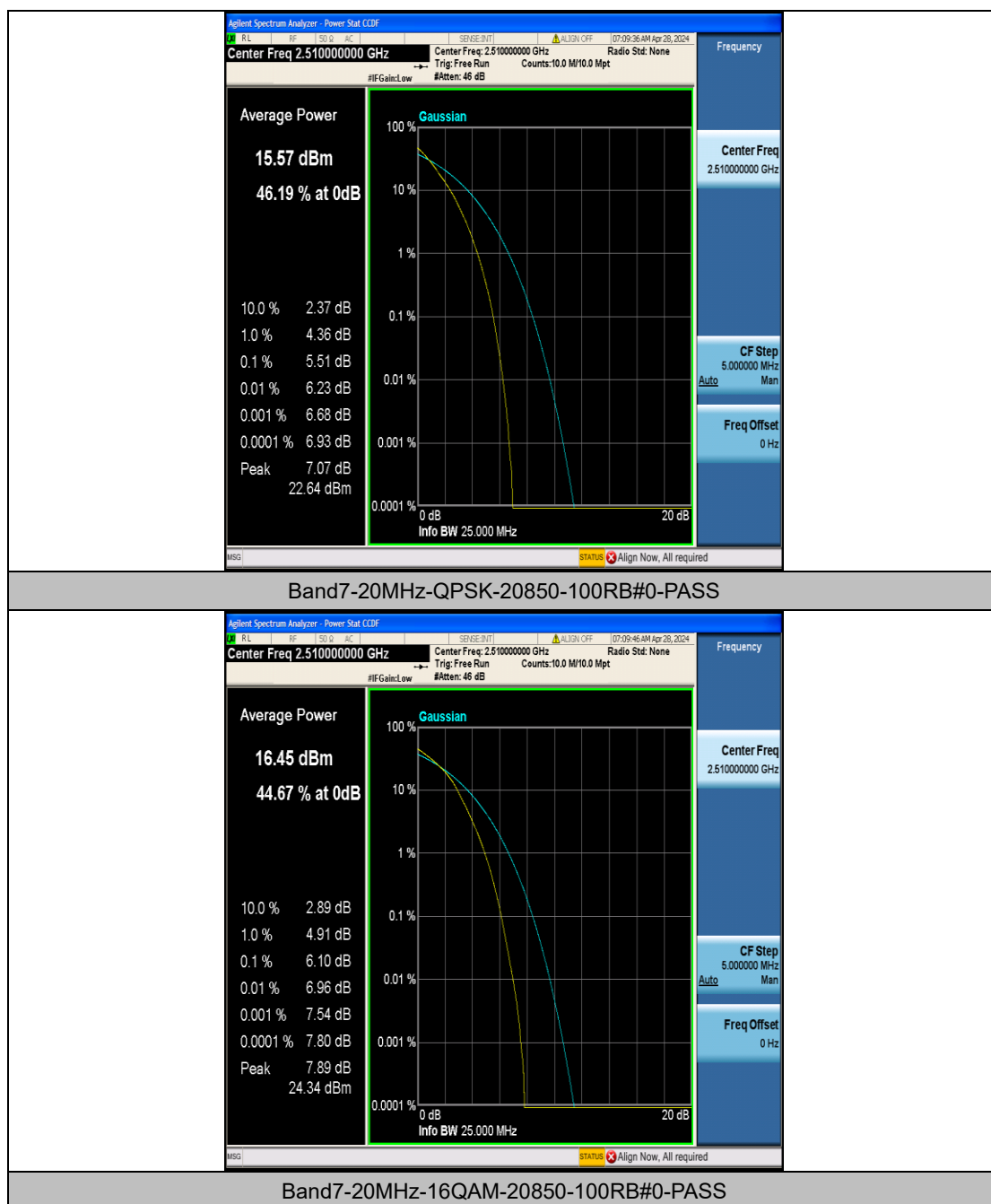
Band7-15MHz-16QAM-21100-75RB#0-PASS

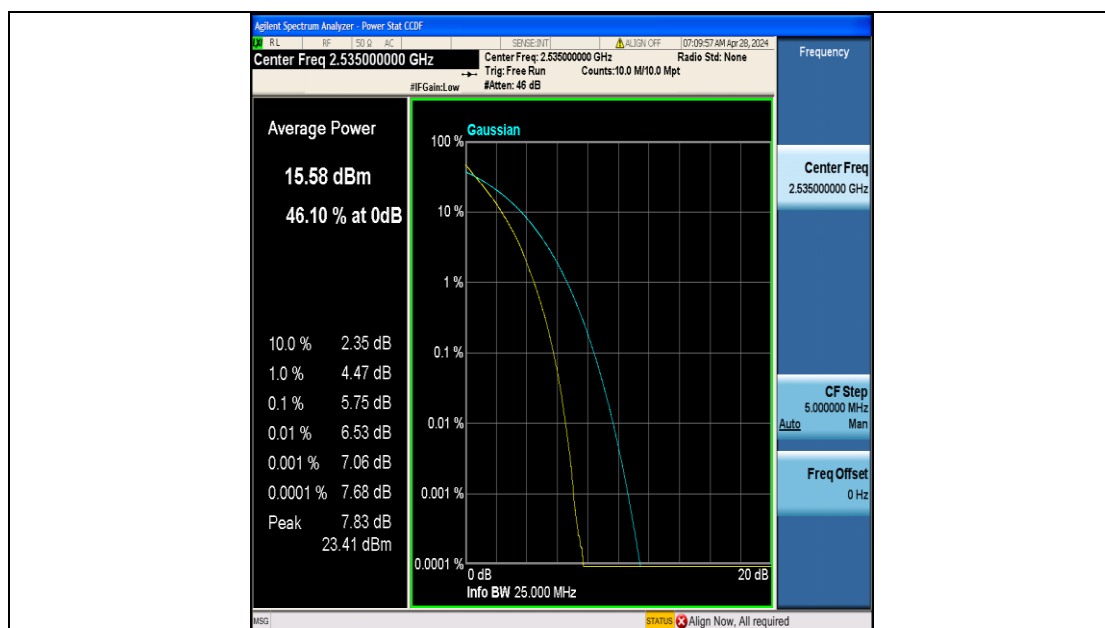


Band7-15MHz-QPSK-21375-75RB#0-PASS

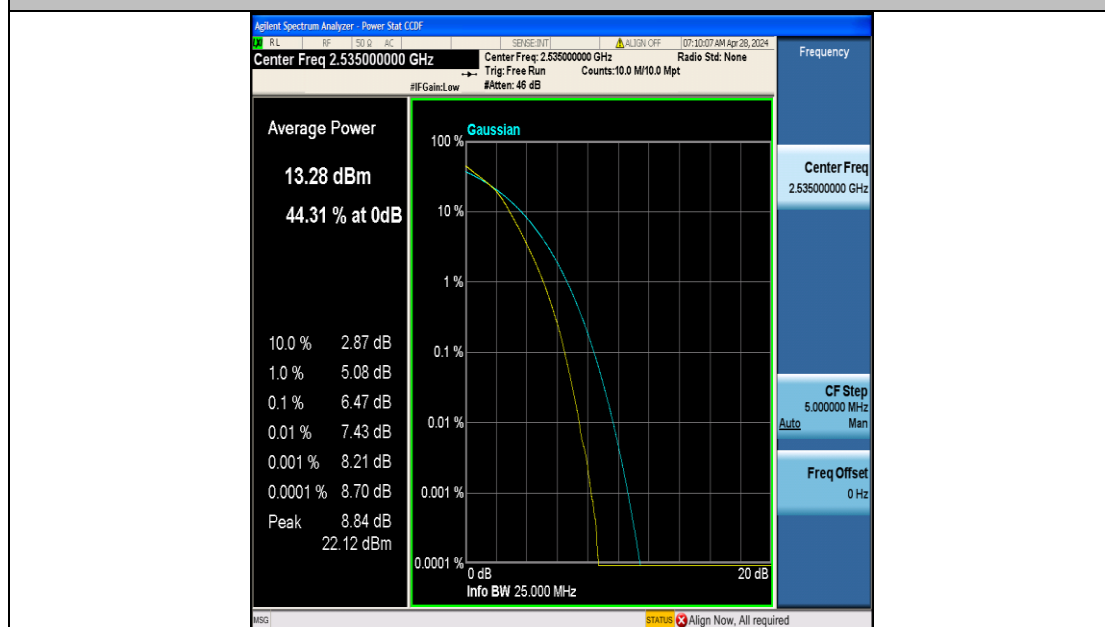


Band7-15MHz-16QAM-21375-75RB#0-PASS

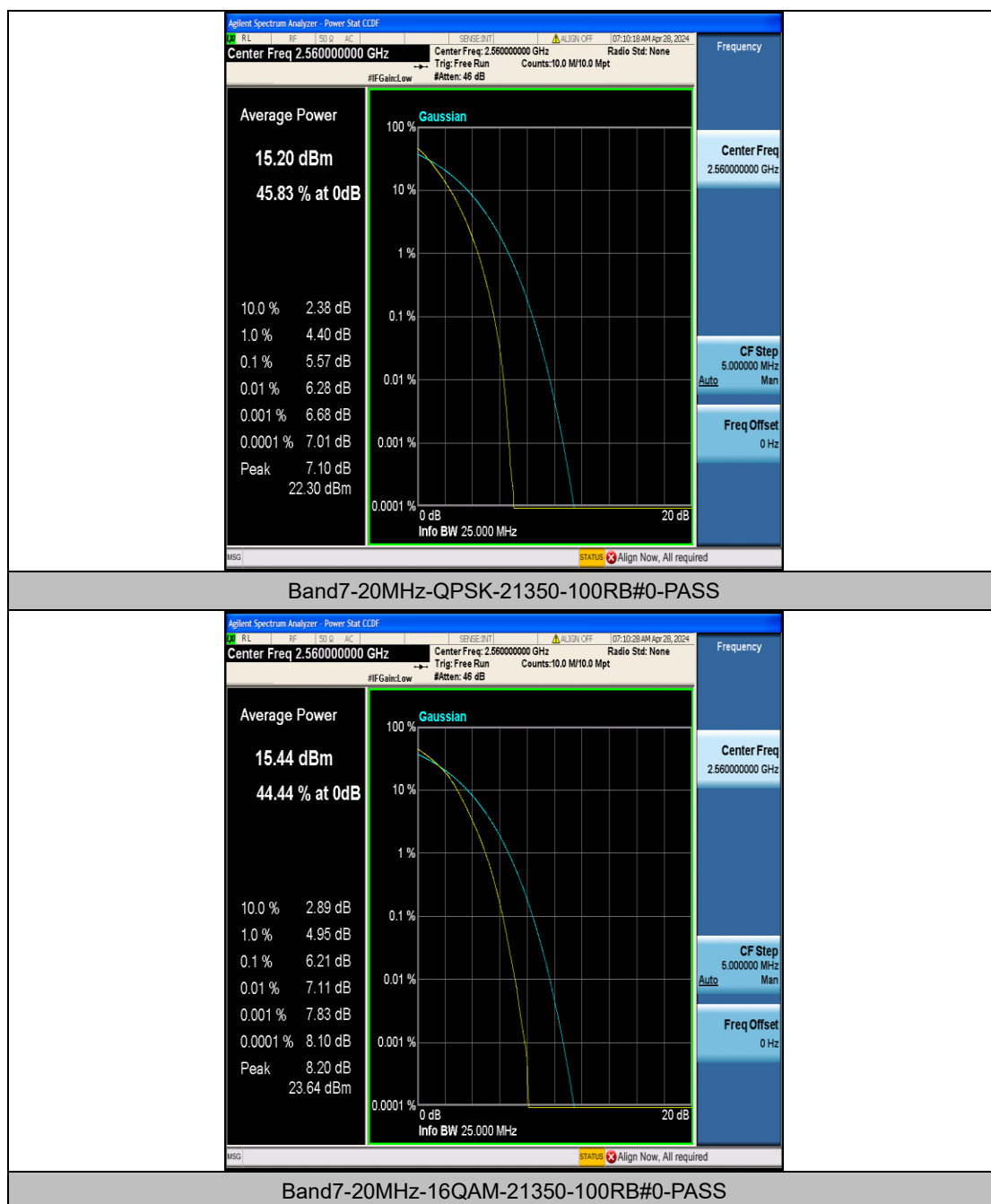




Band7-20MHz-QPSK-21100-100RB#0-PASS



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

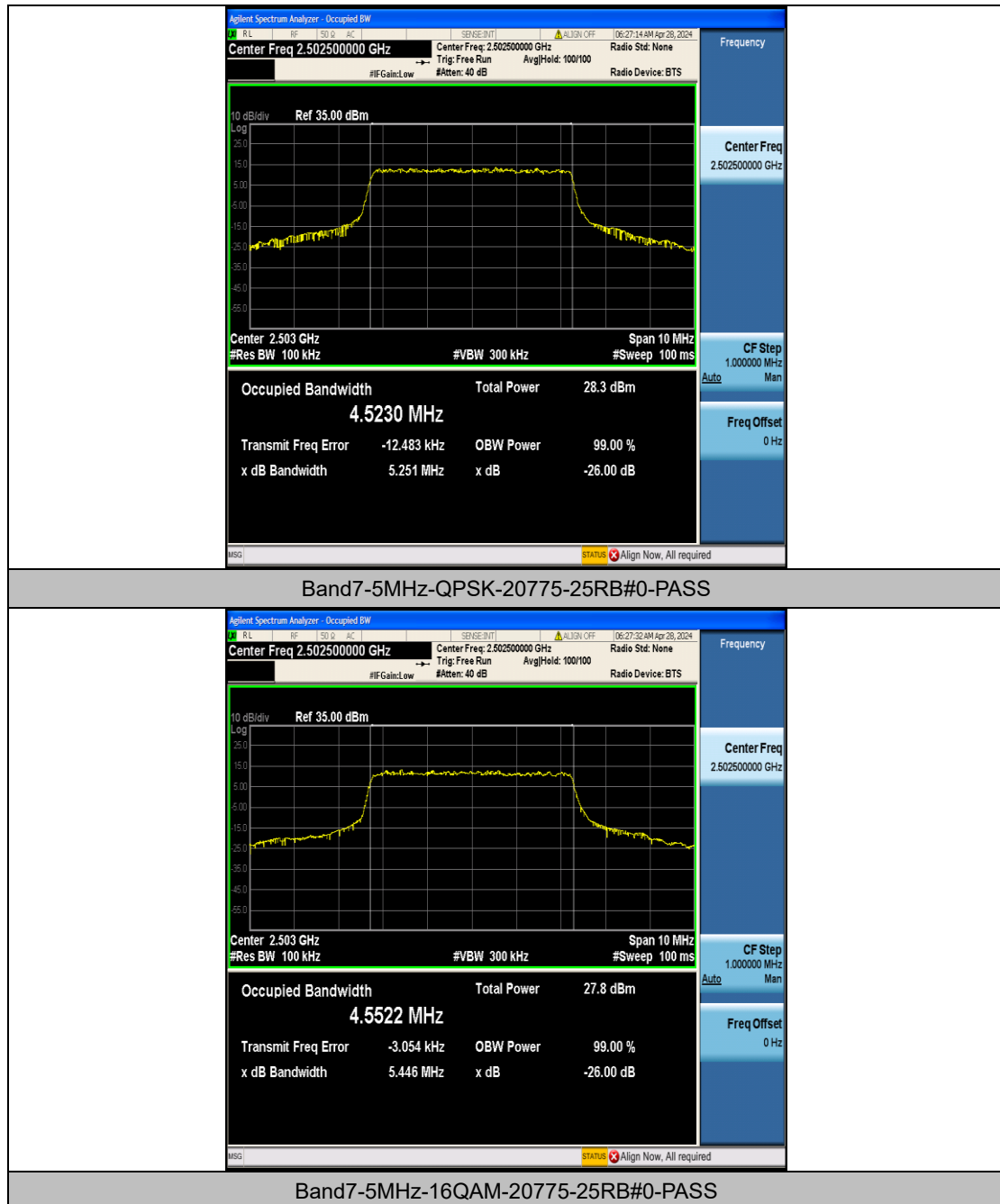


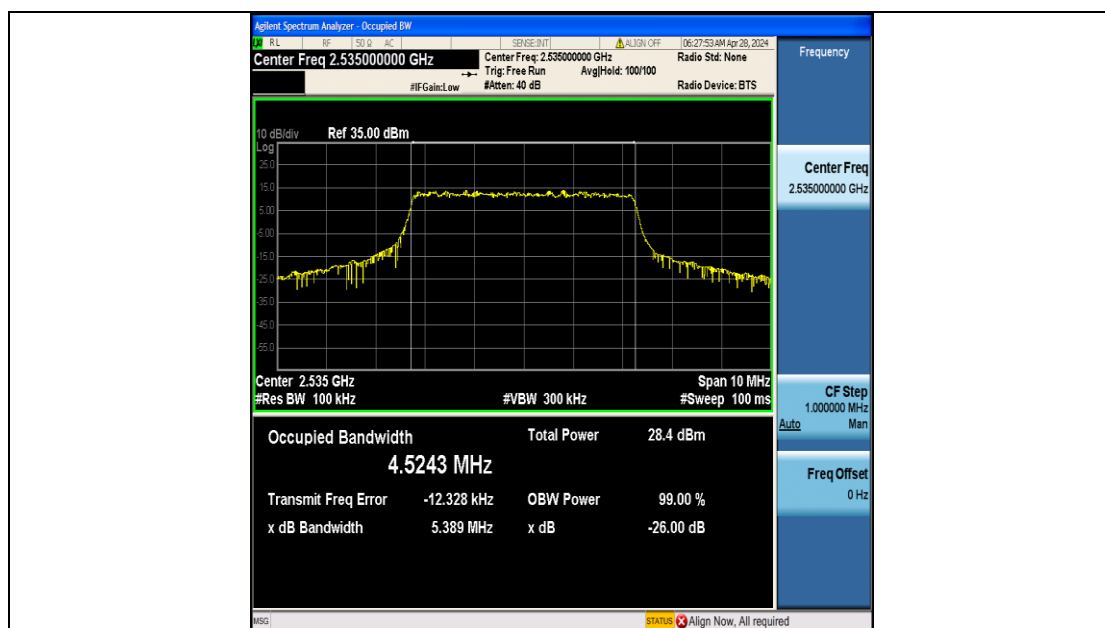
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

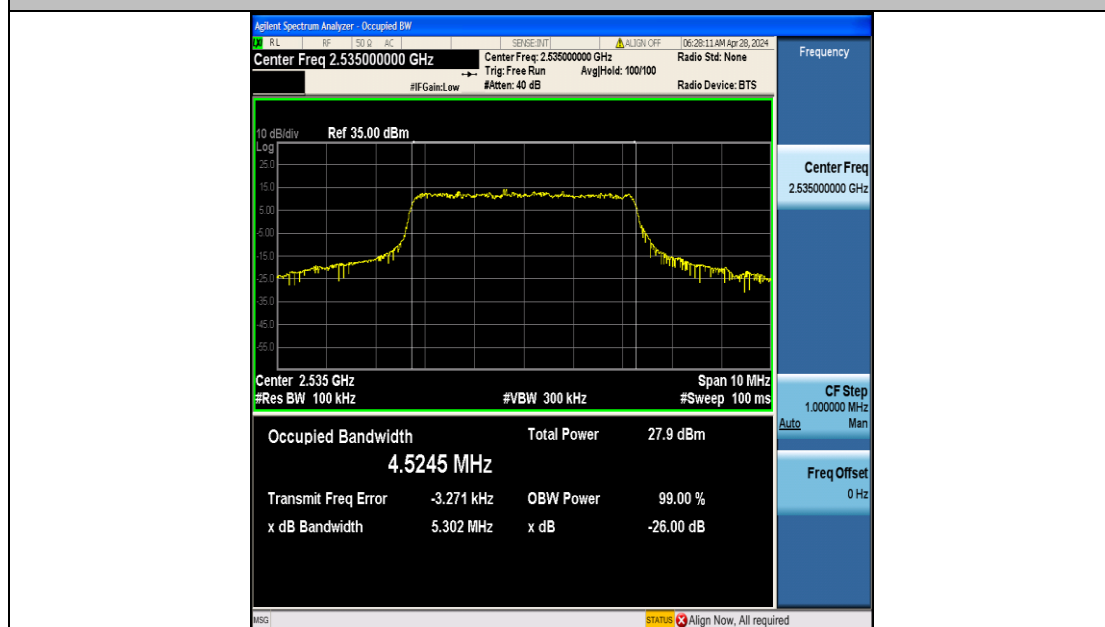
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5230	5.251	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5522	5.446	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5243	5.389	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5245	5.302	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5214	5.388	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5345	5.433	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0076	10.11	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0037	9.976	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0093	10.18	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0134	10.65	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9973	10.06	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0006	10.06	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.511	15.14	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.496	15.04	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.538	16.16	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.544	14.97	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.468	15.09	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.521	15.17	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.963	19.90	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.971	20.04	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.102	20.65	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.064	20.46	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.985	20.01	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.959	19.82	PASS

Test Graphs

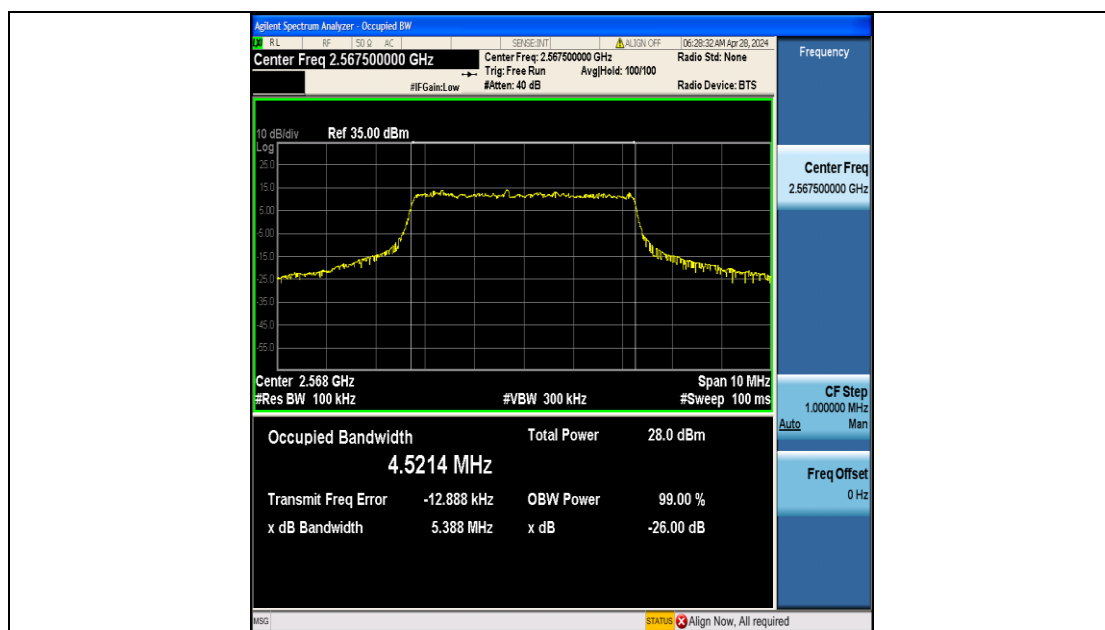




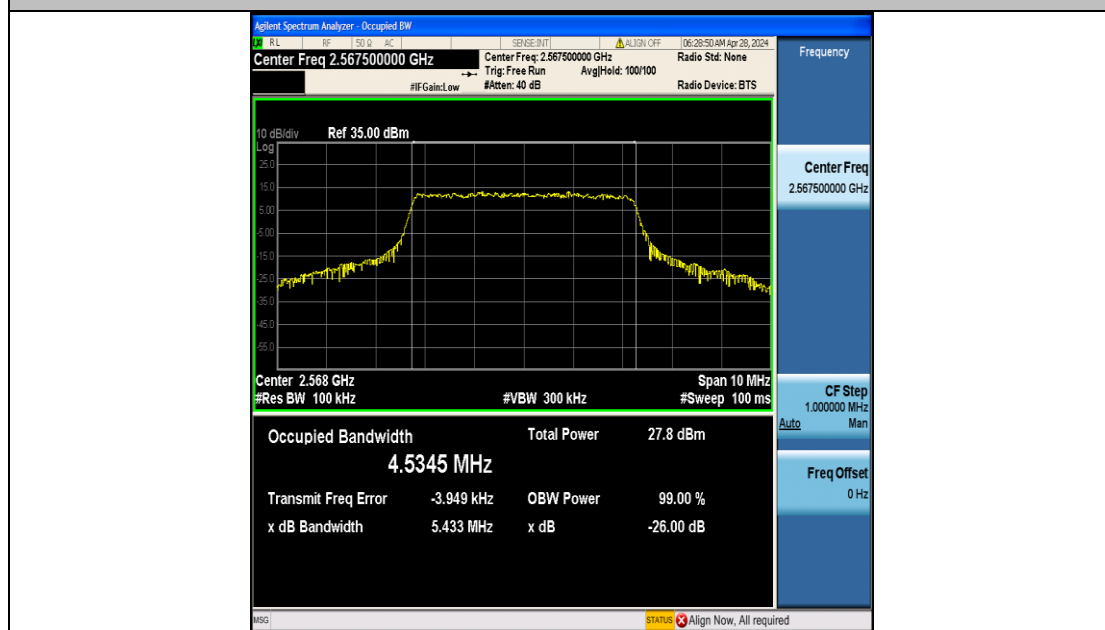
Band7-5MHz-QPSK-21100-25RB#0-PASS



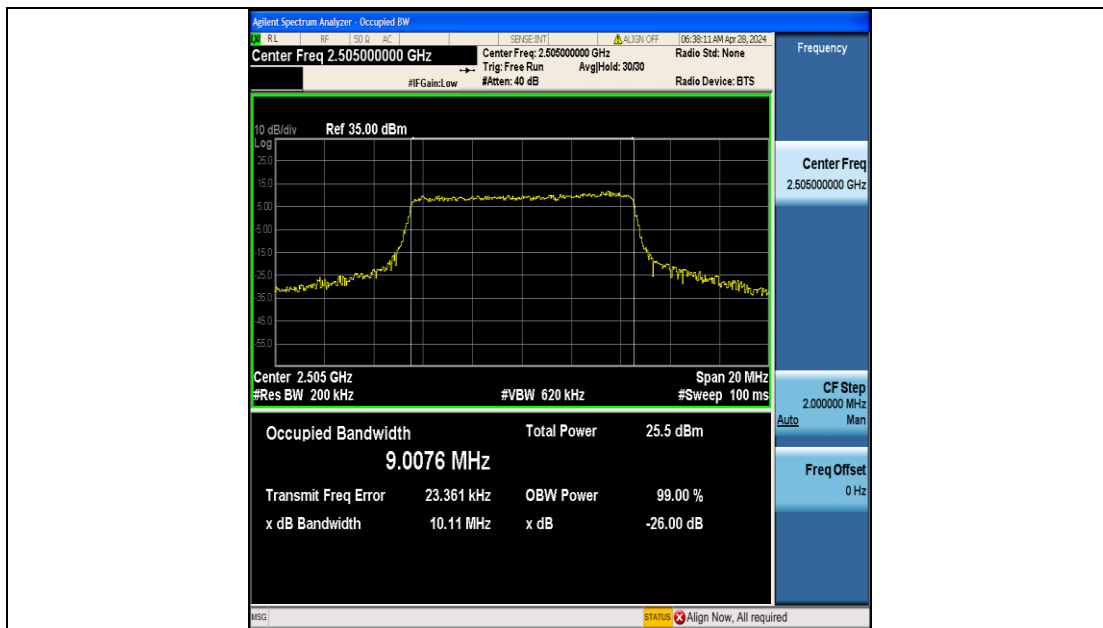
Band7-5MHz-16QAM-21100-25RB#0-PASS



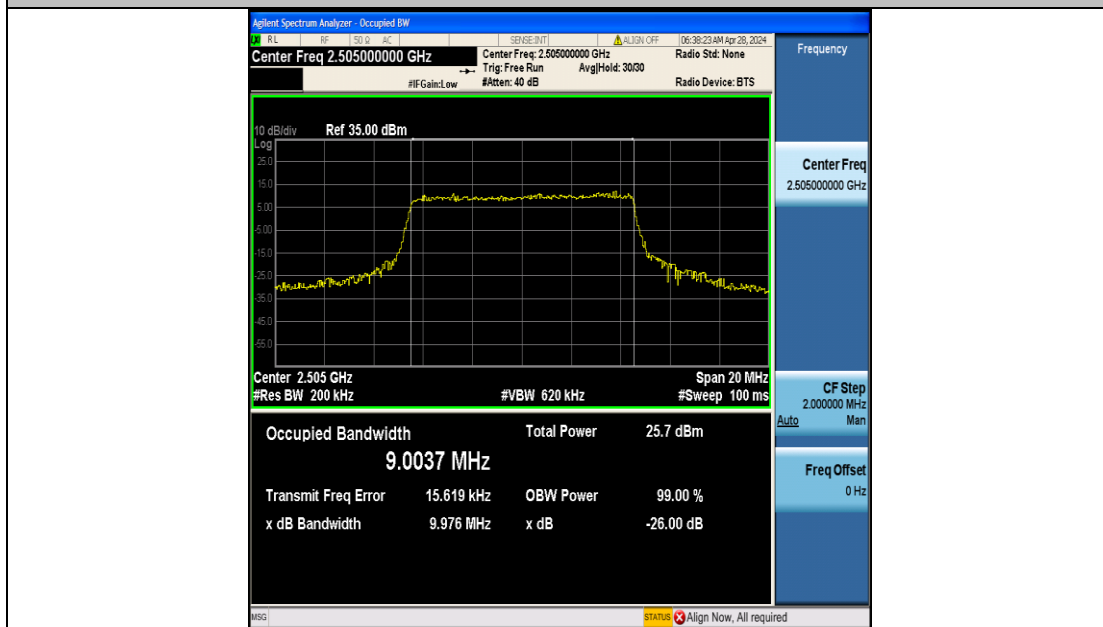
Band7-5MHz-QPSK-21425-25RB#0-PASS



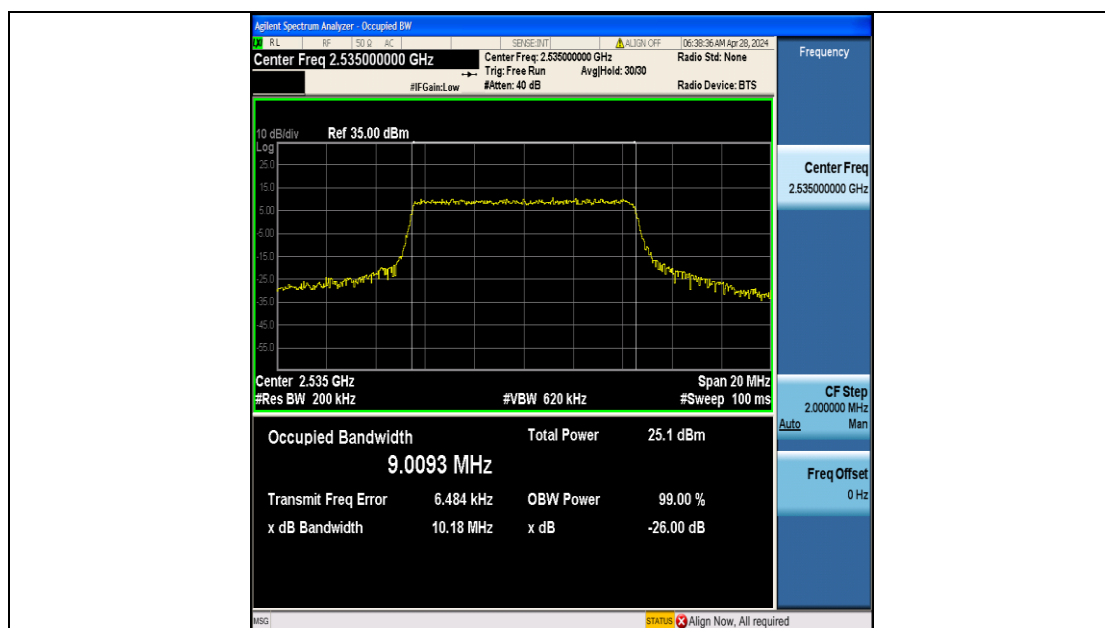
Band7-5MHz-16QAM-21425-25RB#0-PASS



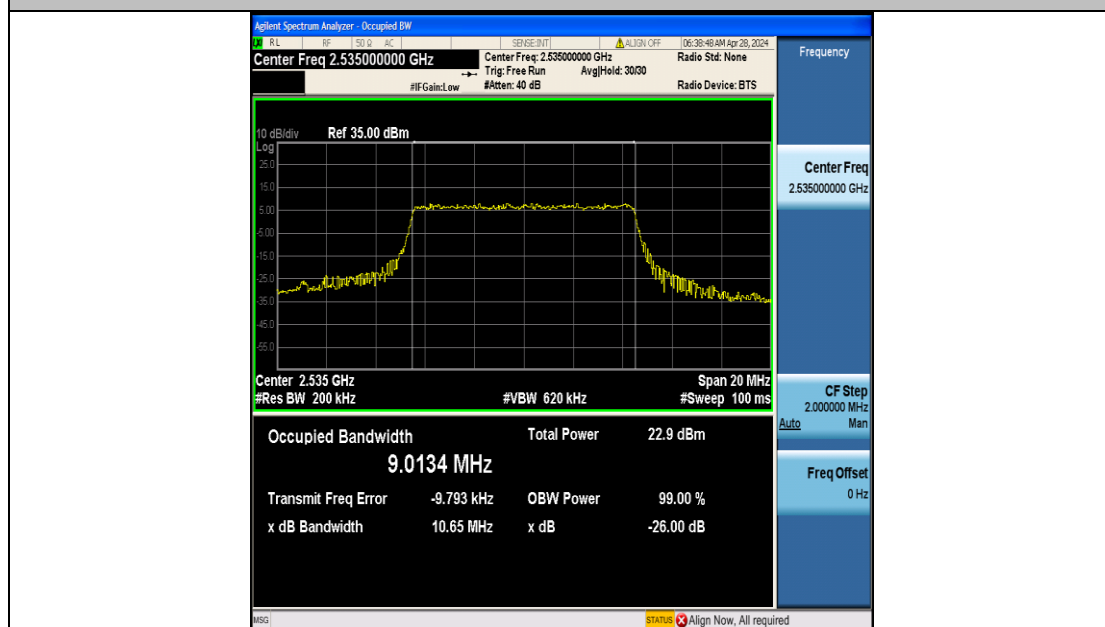
Band7-10MHz-QPSK-20800-50RB#0-PASS



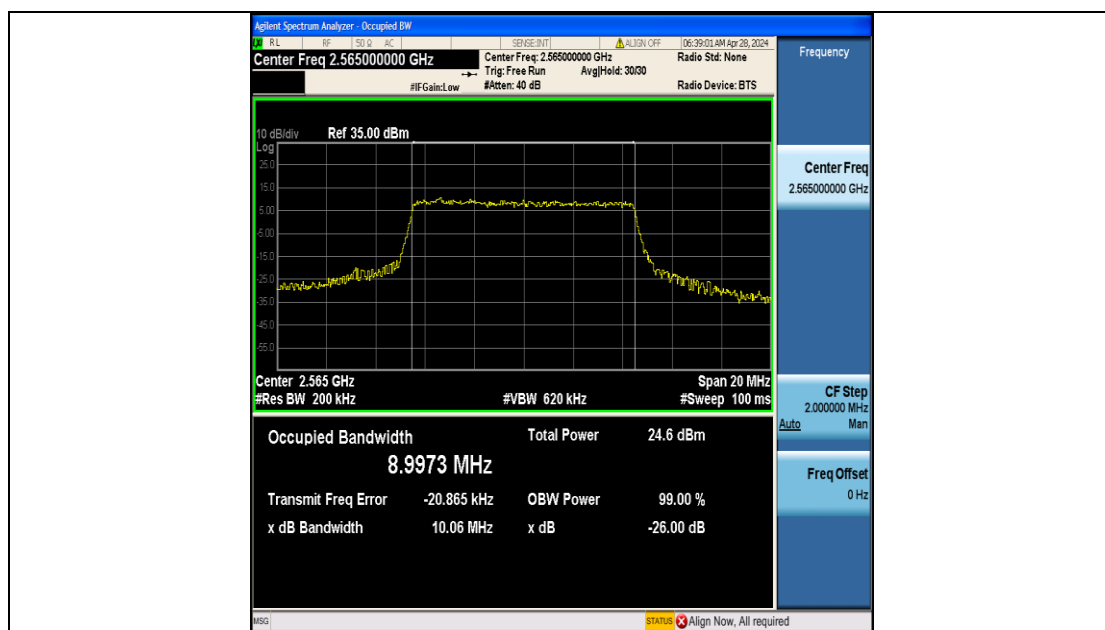
Band7-10MHz-16QAM-20800-50RB#0-PASS



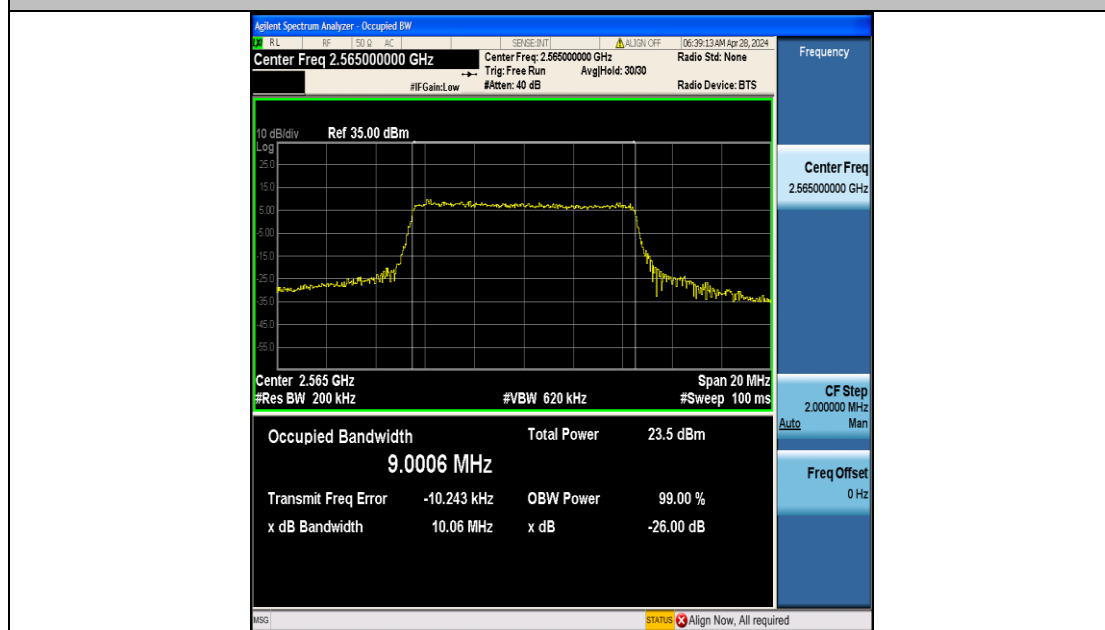
Band7-10MHz-QPSK-21100-50RB#0-PASS



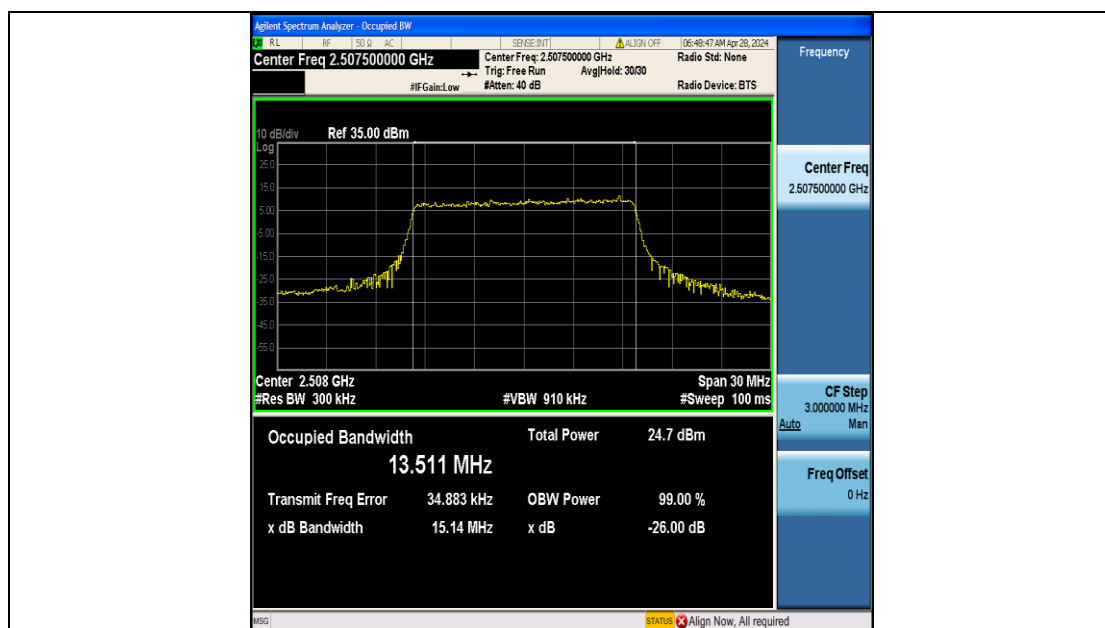
Band7-10MHz-16QAM-21100-50RB#0-PASS



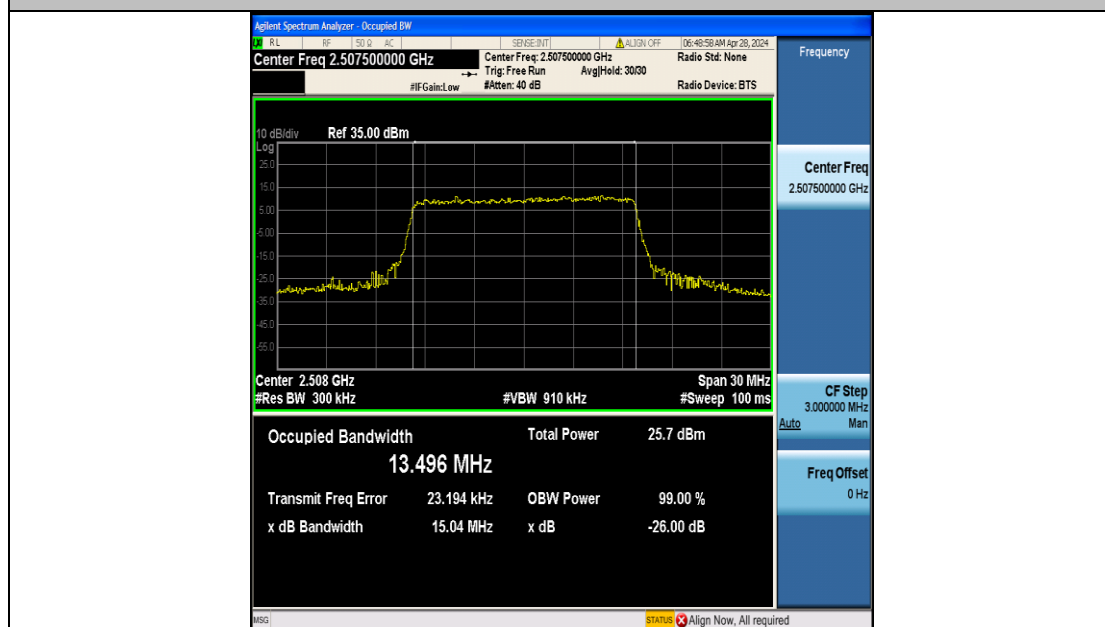
Band7-10MHz-QPSK-21400-50RB#0-PASS



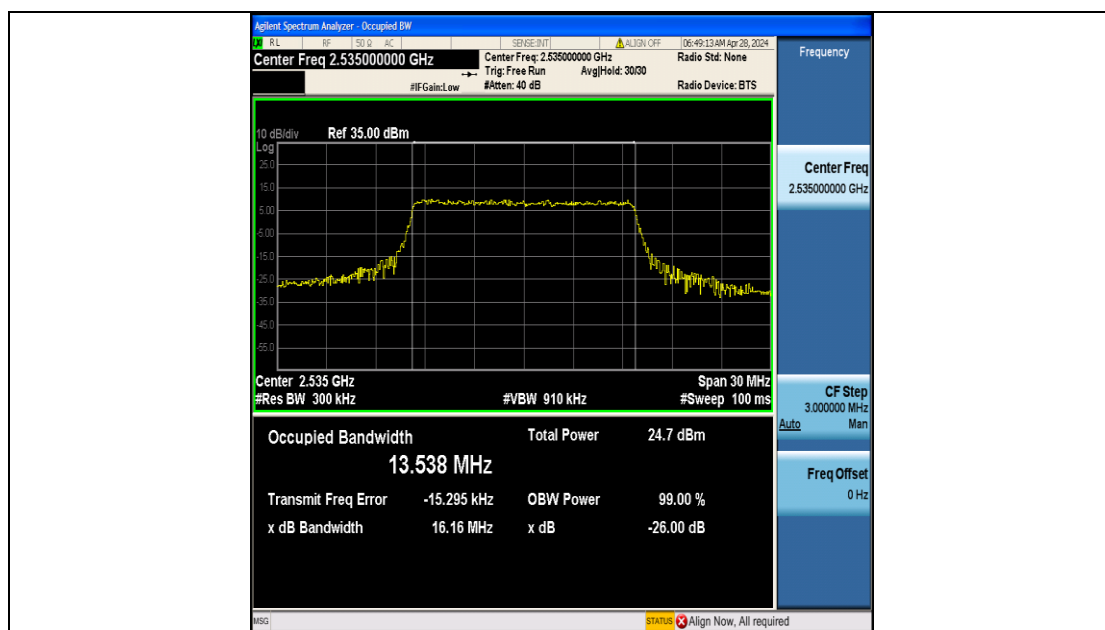
Band7-10MHz-16QAM-21400-50RB#0-PASS



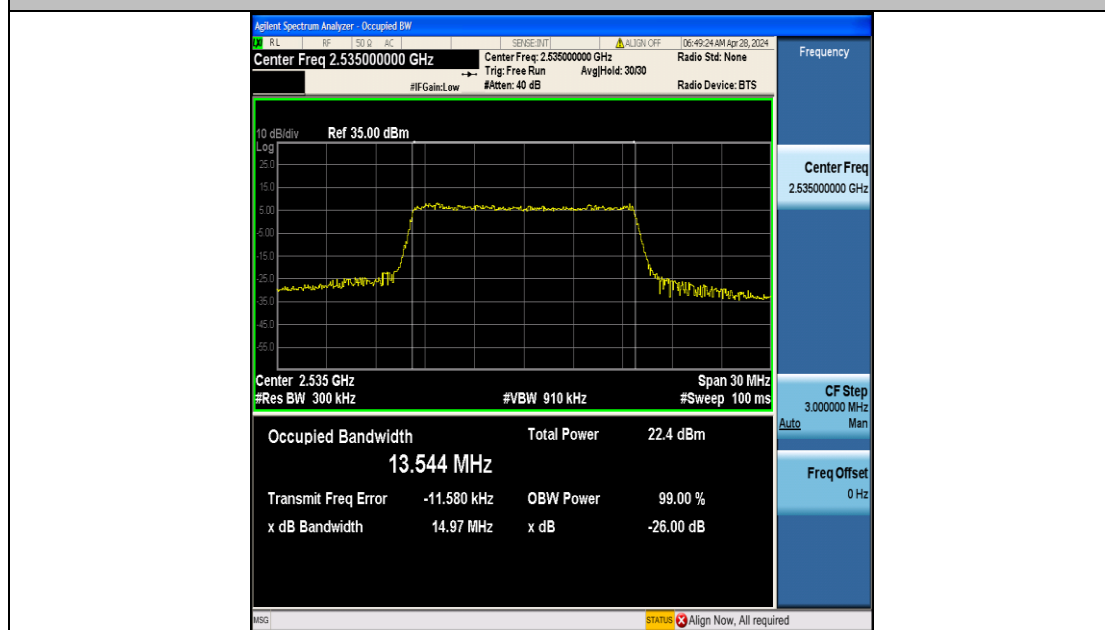
Band7-15MHz-QPSK-20825-75RB#0-PASS



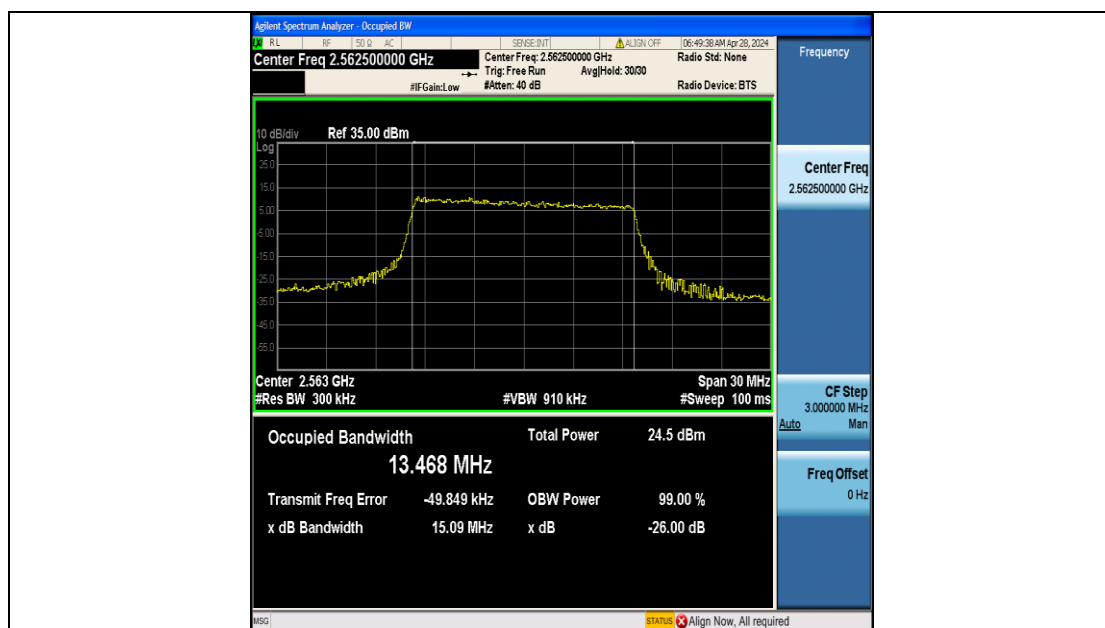
Band7-15MHz-16QAM-20825-75RB#0-PASS



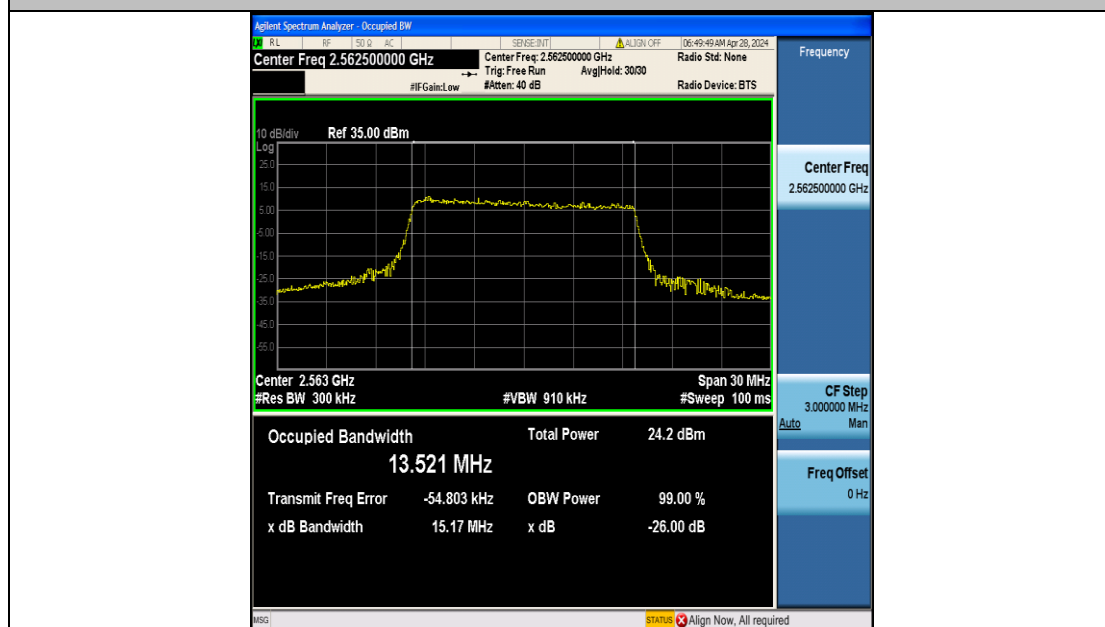
Band7-15MHz-QPSK-21100-75RB#0-PASS



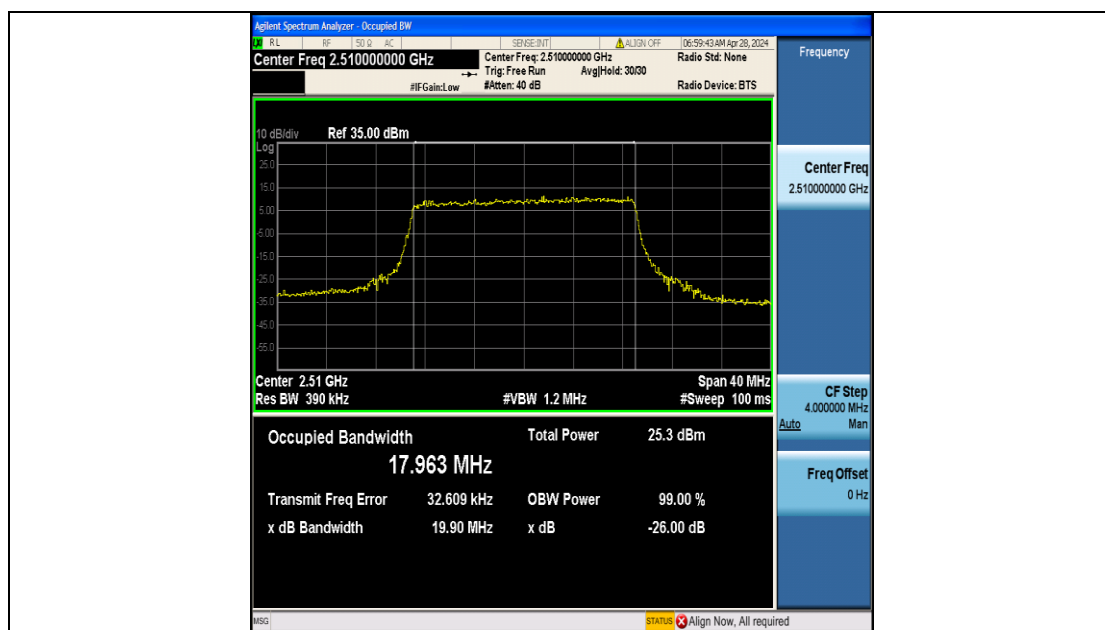
Band7-15MHz-16QAM-21100-75RB#0-PASS



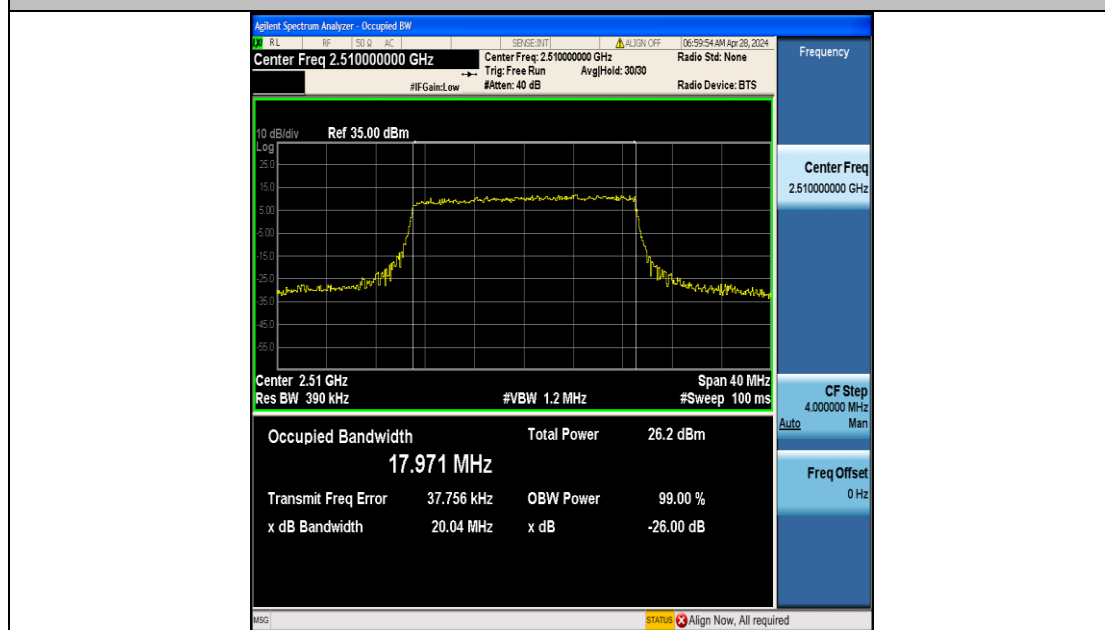
Band7-15MHz-QPSK-21375-75RB#0-PASS



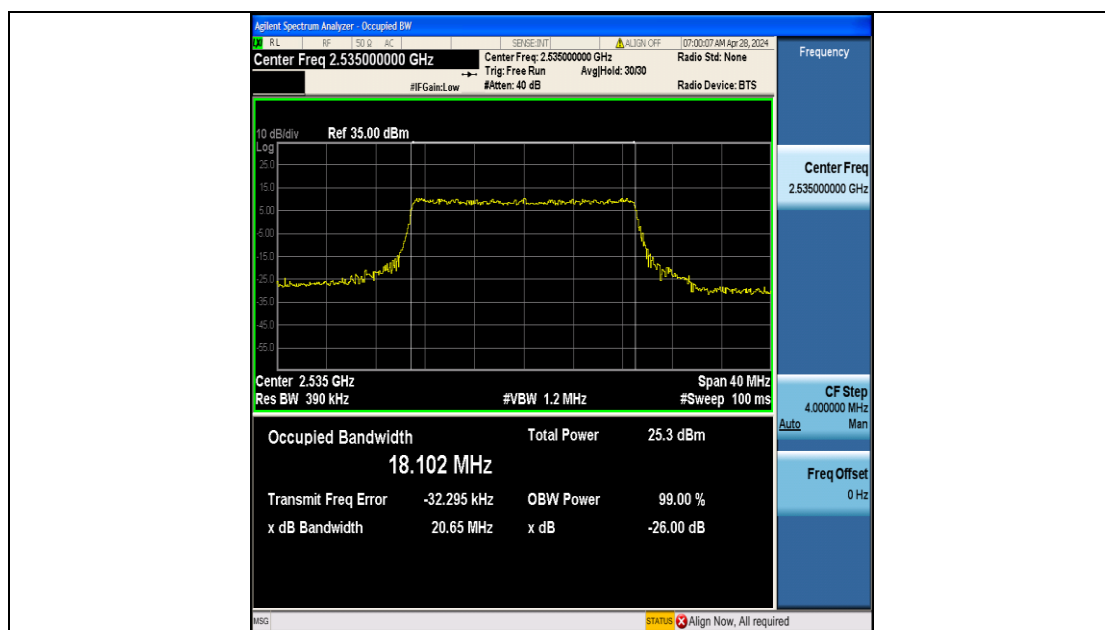
Band7-15MHz-16QAM-21375-75RB#0-PASS



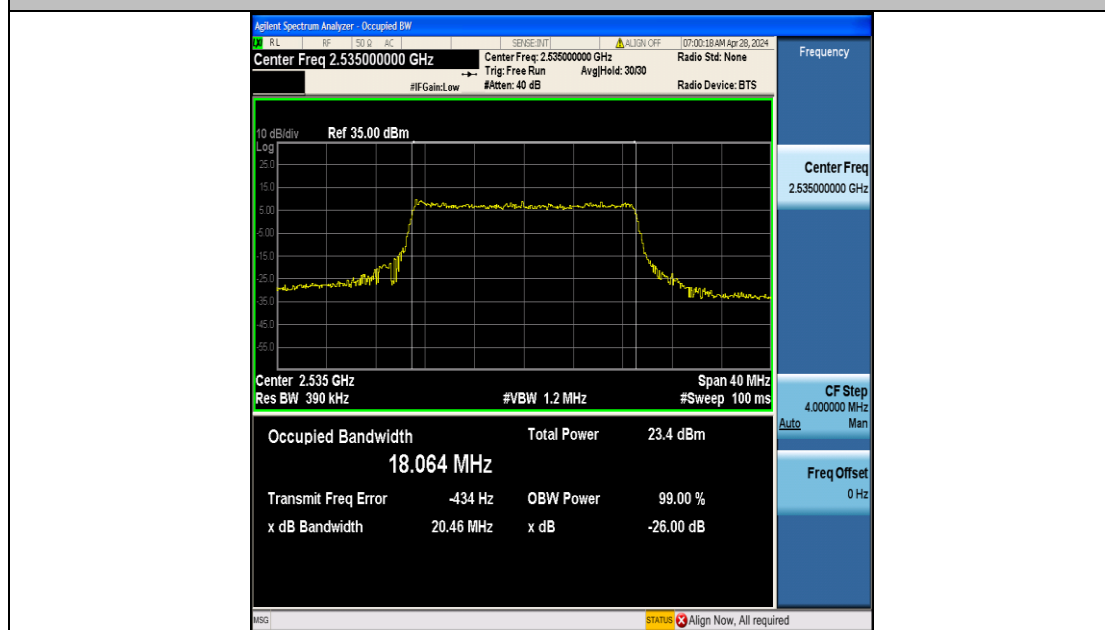
Band7-20MHz-QPSK-20850-100RB#0-PASS



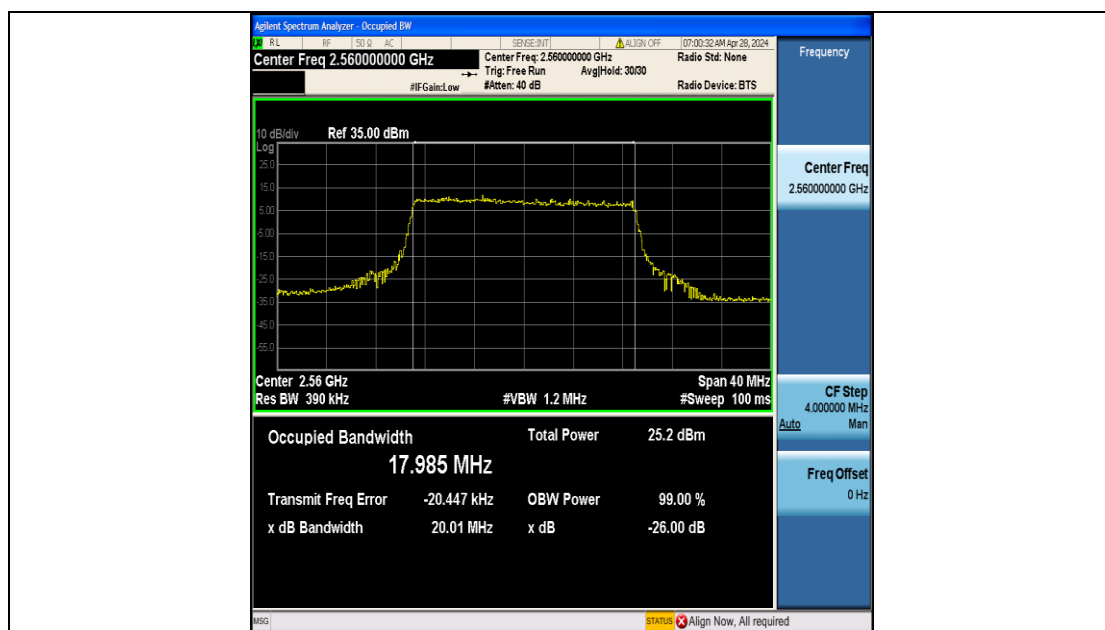
Band7-20MHz-16QAM-20850-100RB#0-PASS



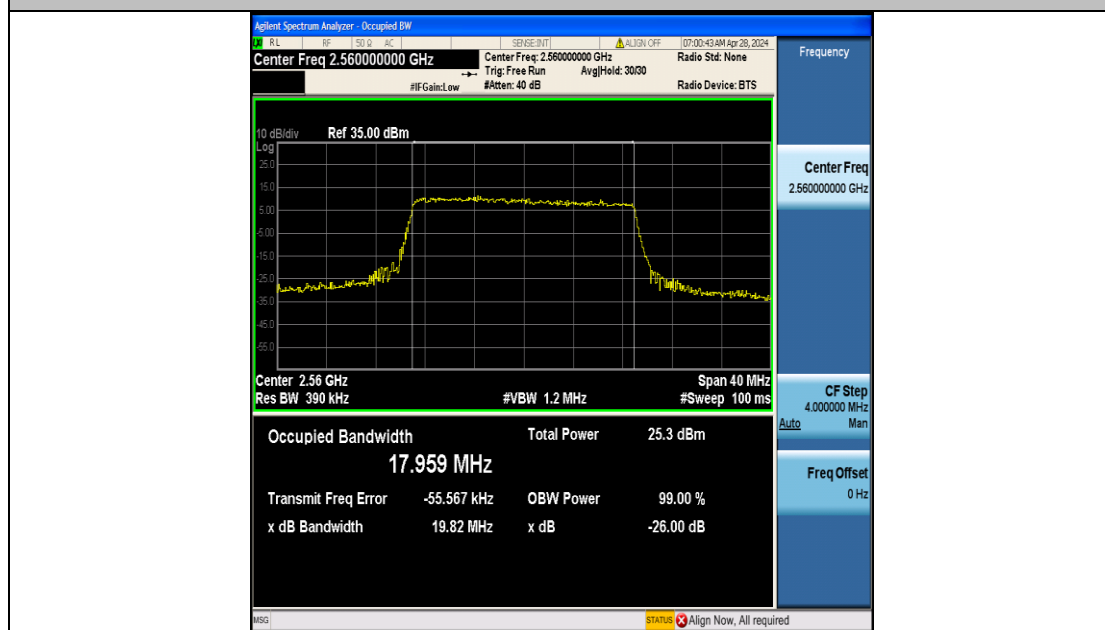
Band7-20MHz-QPSK-21100-100RB#0-PASS



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



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



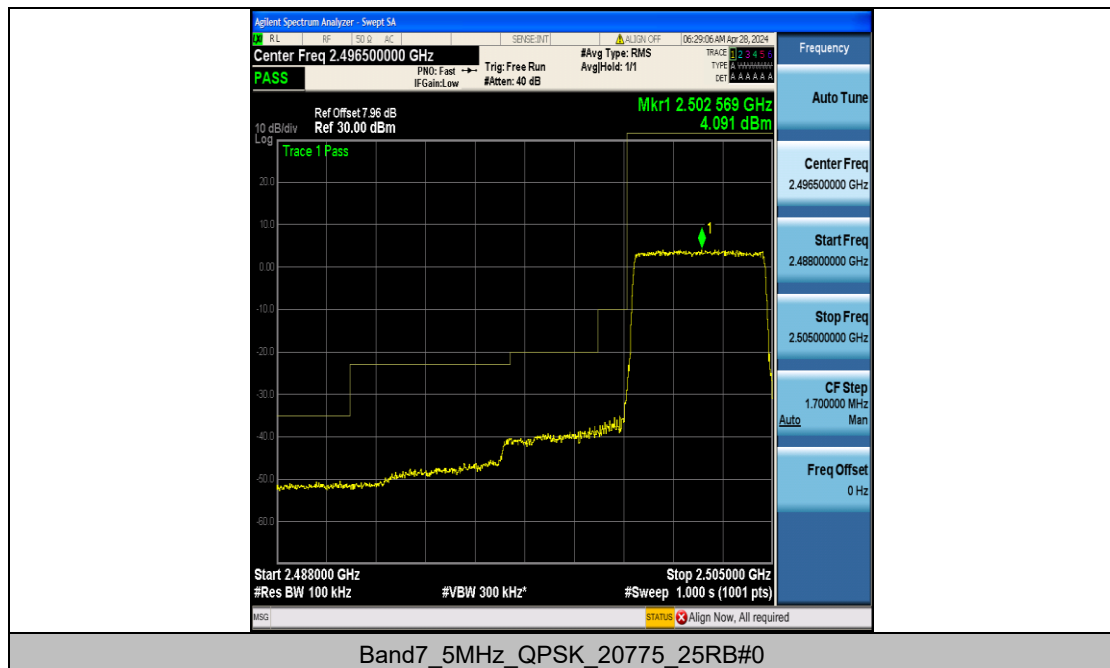
Band7-20MHz-16QAM-21350-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-50.53	PASS
Band7	5MHz	16QAM	20775	25RB#0	-50.84	PASS
Band7	5MHz	QPSK	21425	25RB#0	-48.81	PASS
Band7	5MHz	16QAM	21425	25RB#0	-48.42	PASS
Band7	10MHz	QPSK	20800	50RB#0	-47.09	PASS
Band7	10MHz	16QAM	20800	50RB#0	-46.42	PASS
Band7	10MHz	QPSK	21400	50RB#0	-47.77	PASS
Band7	10MHz	16QAM	21400	50RB#0	-47.90	PASS
Band7	15MHz	QPSK	20825	75RB#0	-46.24	PASS
Band7	15MHz	16QAM	20825	75RB#0	-45.10	PASS
Band7	15MHz	QPSK	21375	75RB#0	-47.02	PASS
Band7	15MHz	16QAM	21375	75RB#0	-46.89	PASS
Band7	20MHz	QPSK	20850	100RB#0	-46.25	PASS
Band7	20MHz	16QAM	20850	100RB#0	-46.02	PASS
Band7	20MHz	QPSK	21350	100RB#0	-46.09	PASS
Band7	20MHz	16QAM	21350	100RB#0	-46.18	PASS

Test Graphs

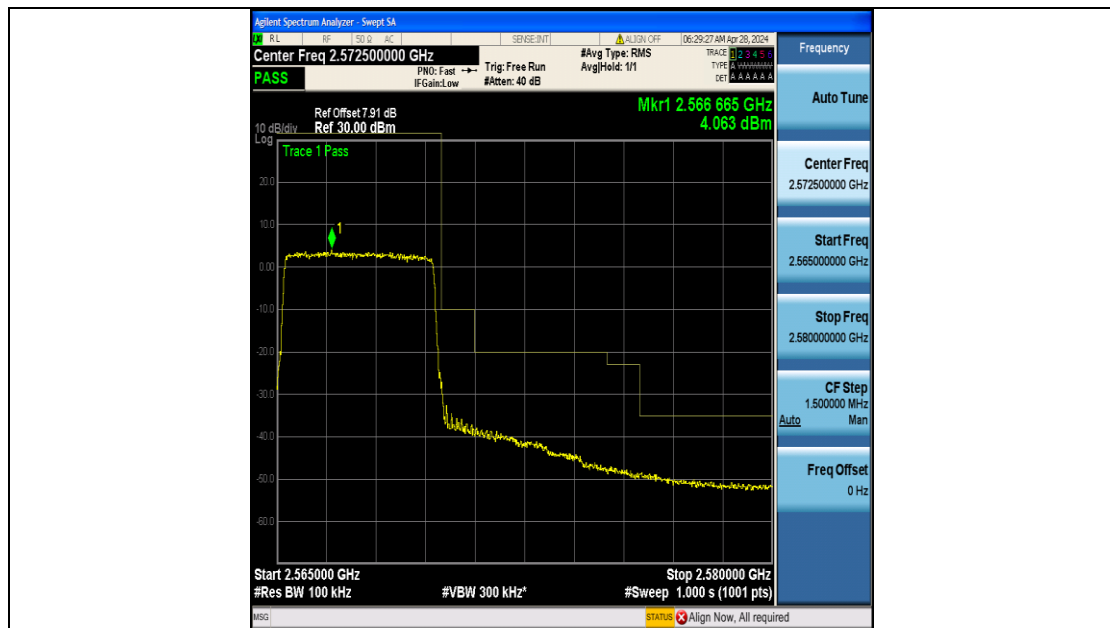




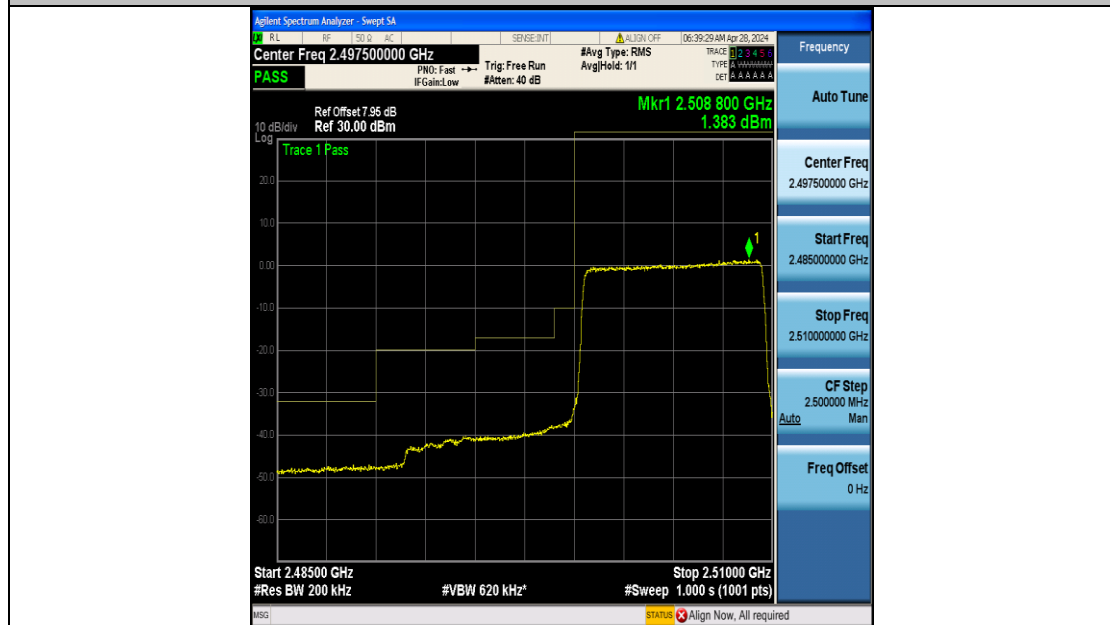
Band7_5MHz_16QAM_20775_25RB#0



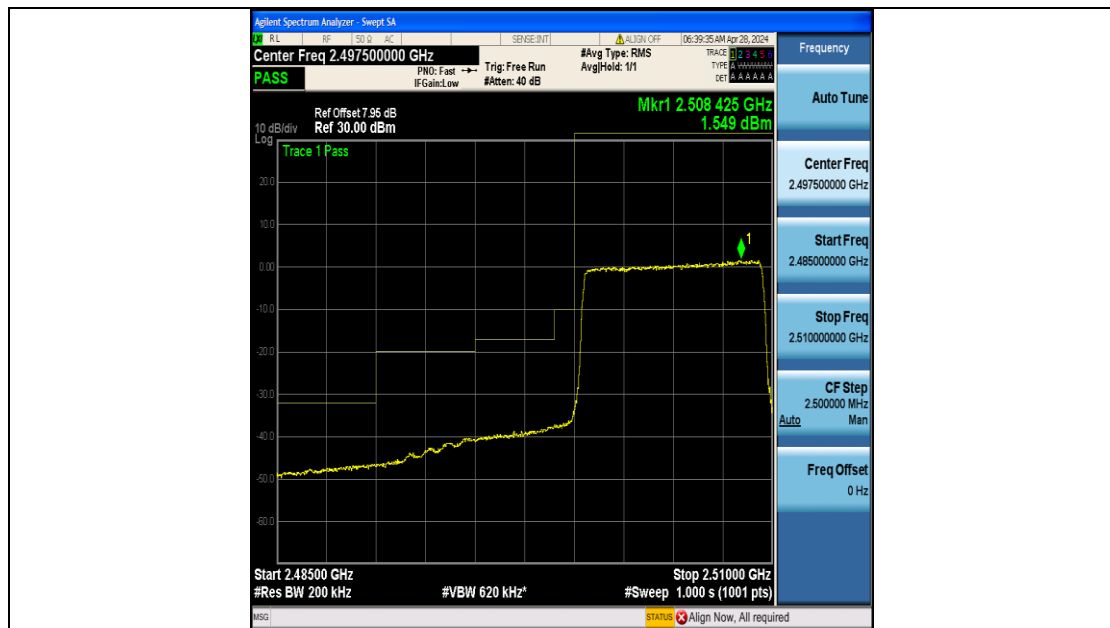
Band7_5MHz_QPSK_21425_25RB#0



Band7_5MHz_16QAM_21425_25RB#0



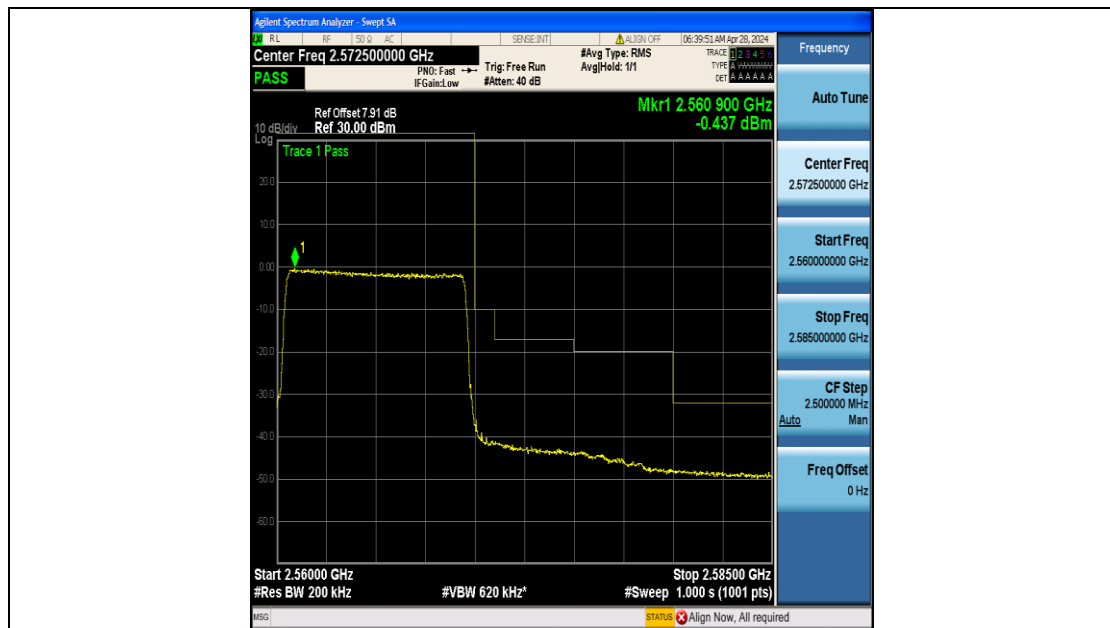
Band7_10MHz_QPSK_20800_50RB#0



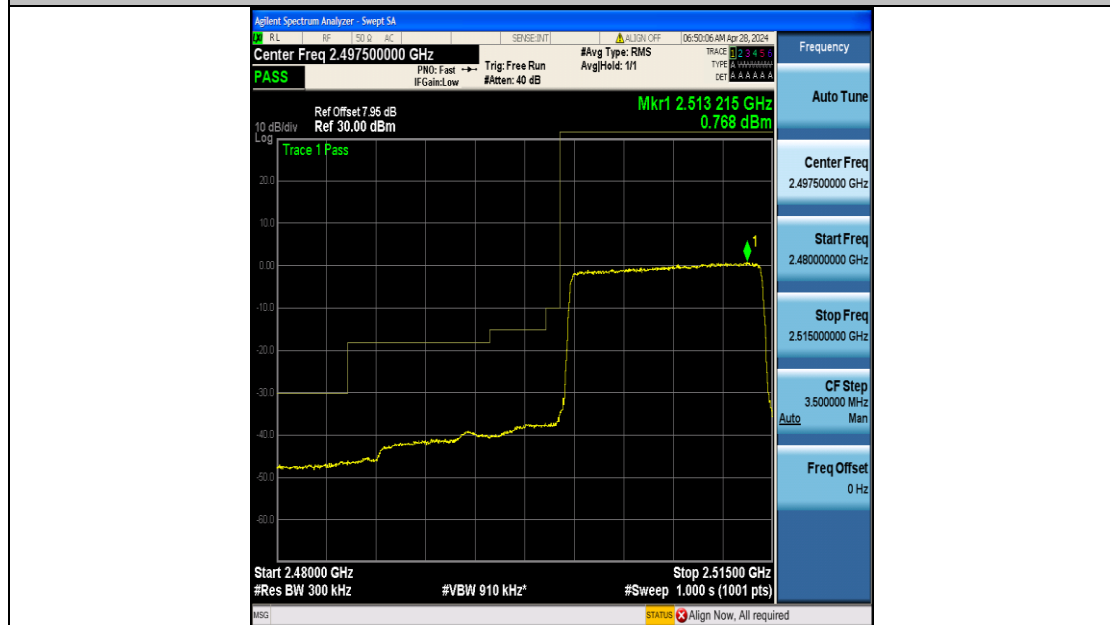
Band7_10MHz_16QAM_20800_50RB#0



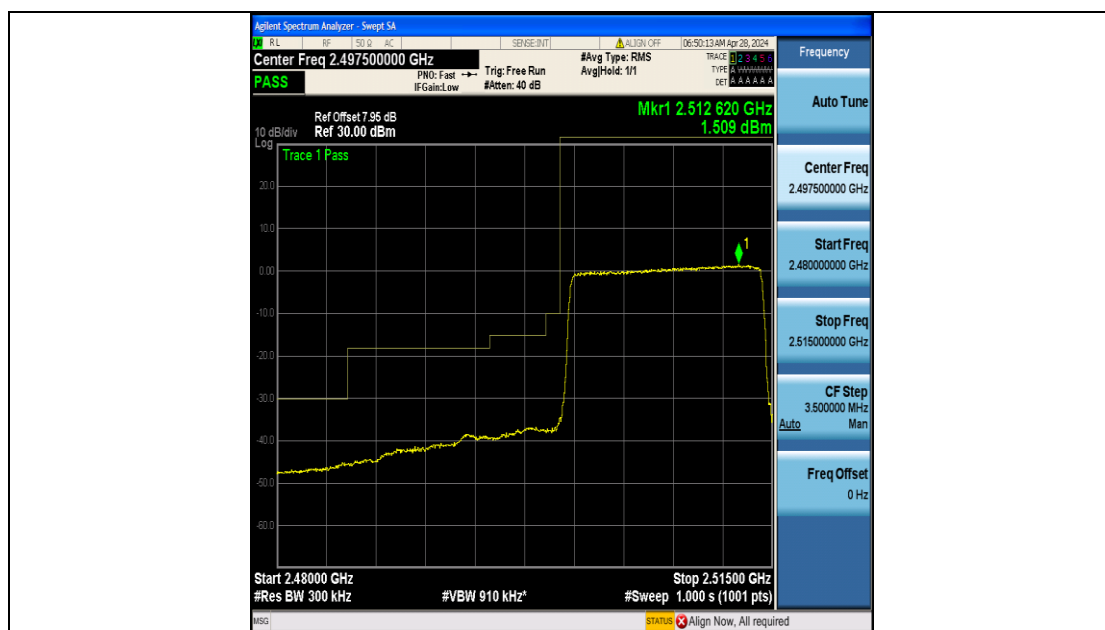
Band7_10MHz_QPSK_21400_50RB#0



Band7_10MHz_16QAM_21400_50RB#0



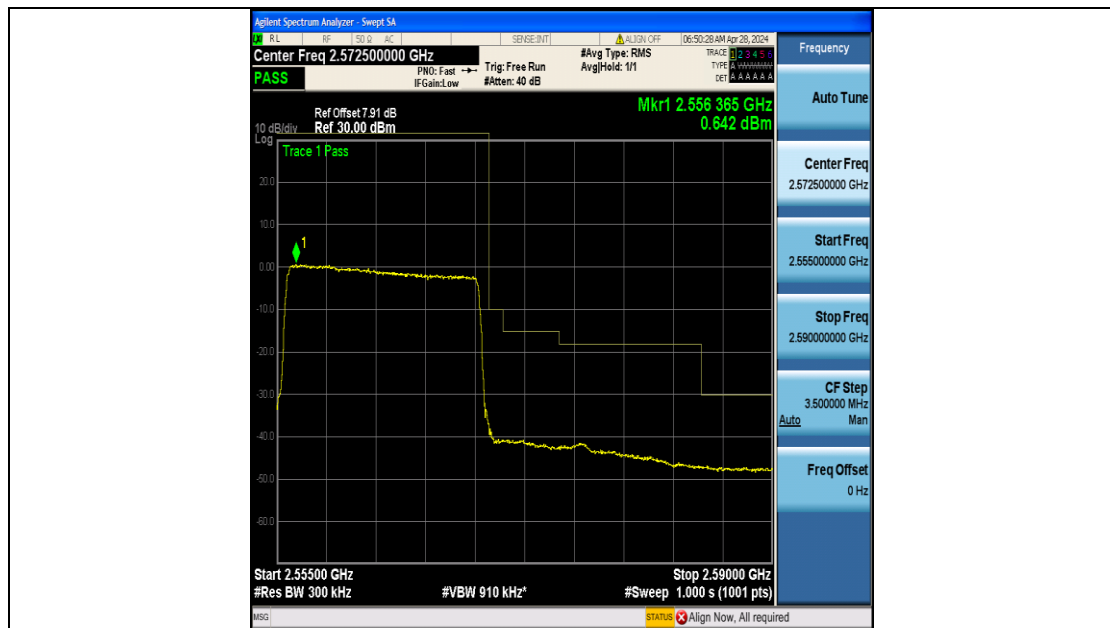
Band7_15MHz_QPSK_20825_75RB#0



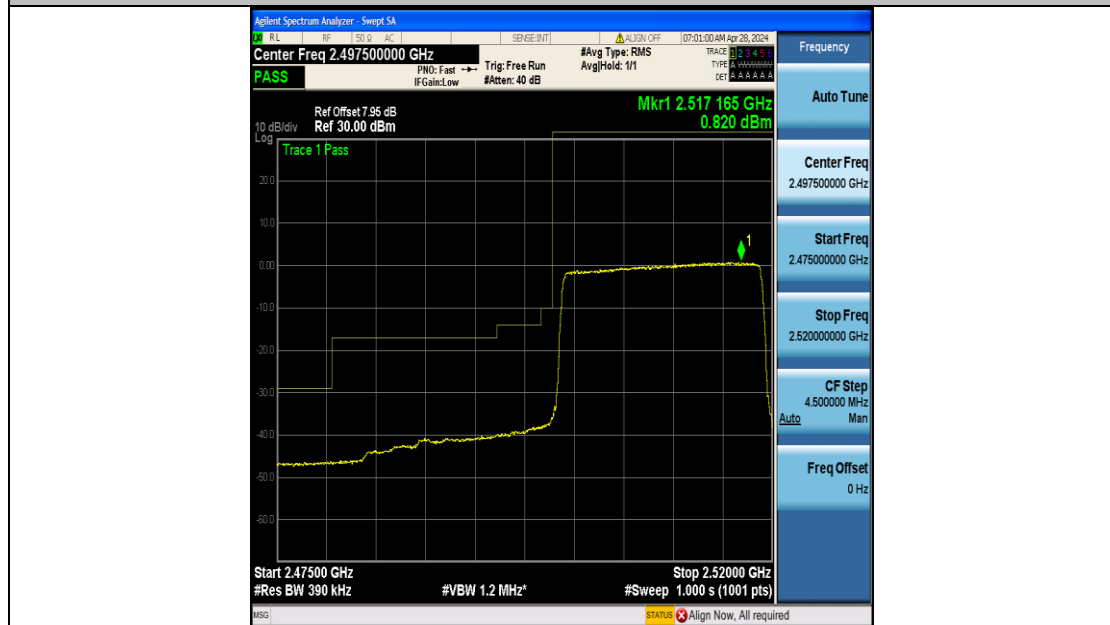
Band7_15MHz_16QAM_20825_75RB#0



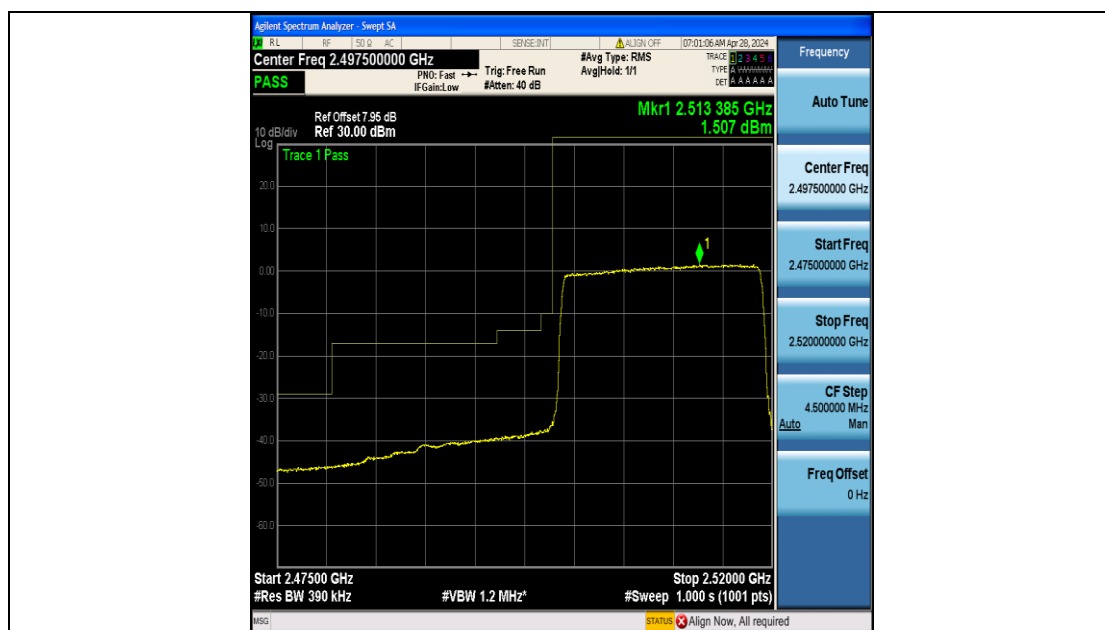
Band7_15MHz_QPSK_21375_75RB#0



Band7_15MHz_16QAM_21375_75RB#0



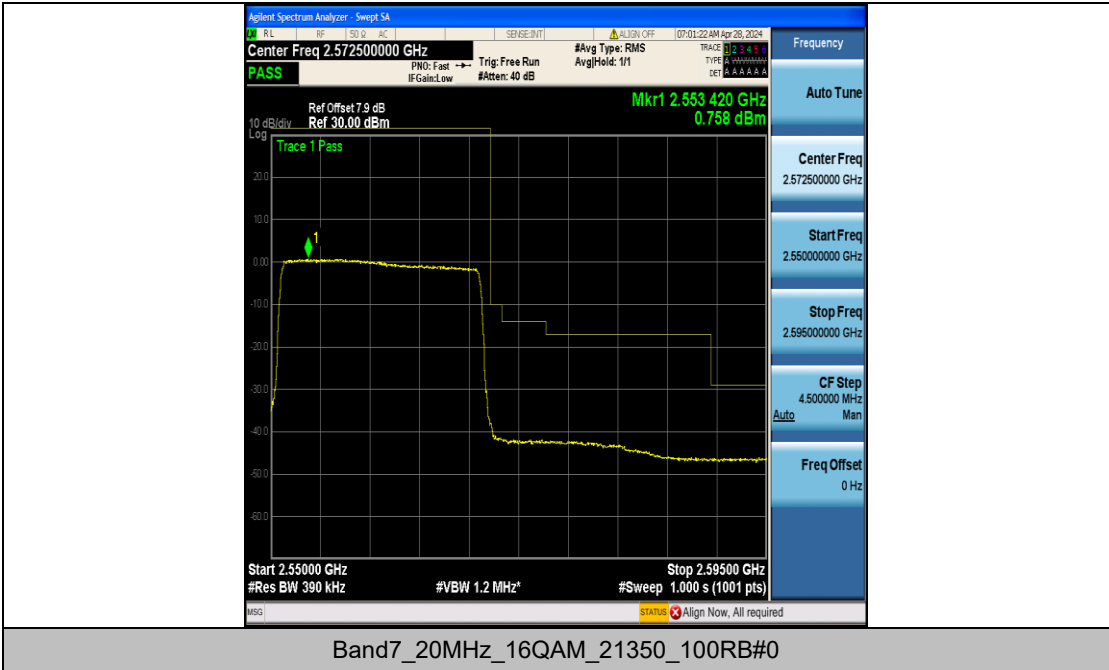
Band7_20MHz_QPSK_20850_100RB#0



Band7_20MHz_16QAM_20850_100RB#0



Band7_20MHz_QPSK_21350_100RB#0



Appendix E: Conducted Spurious Emission

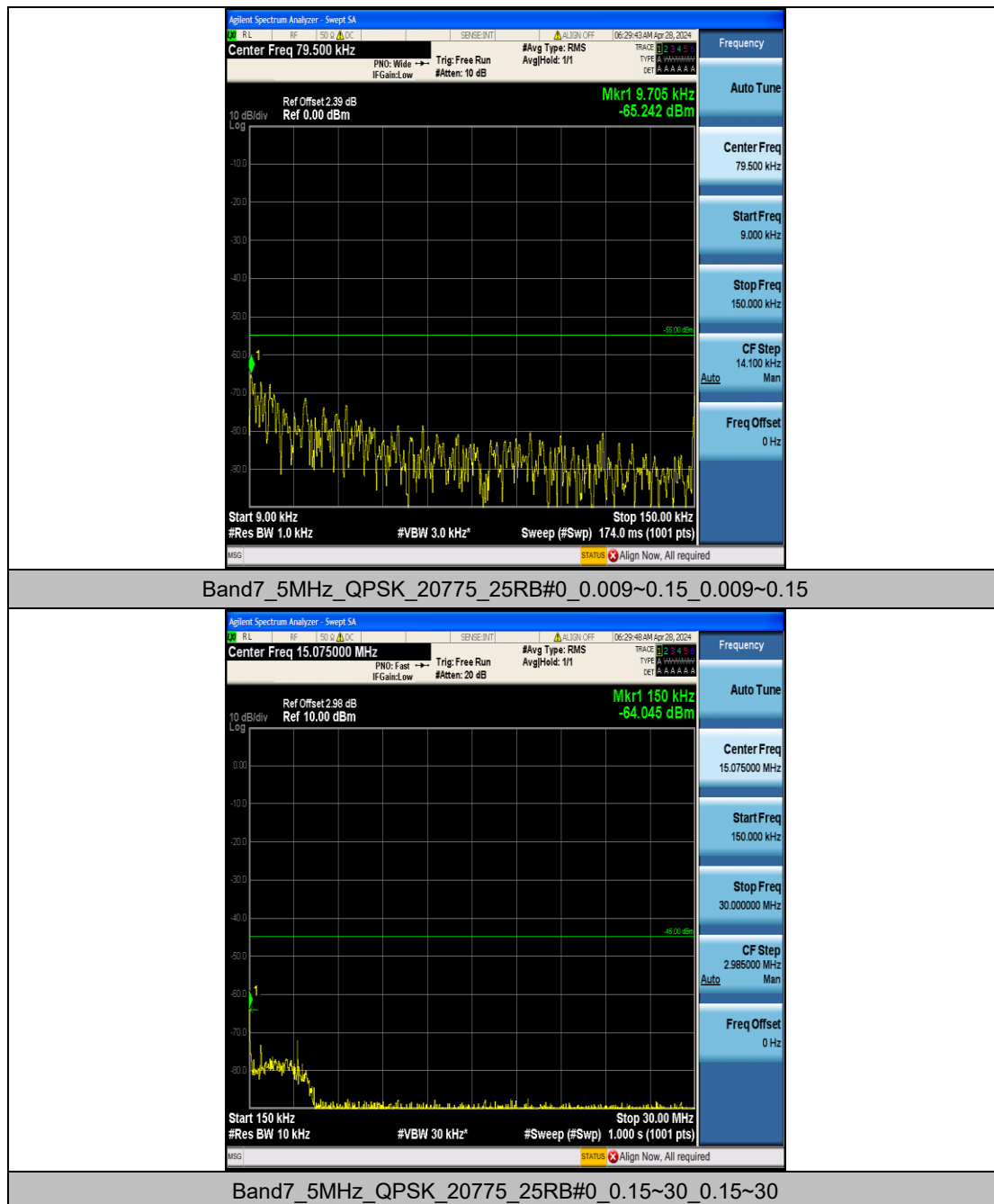
Test Result

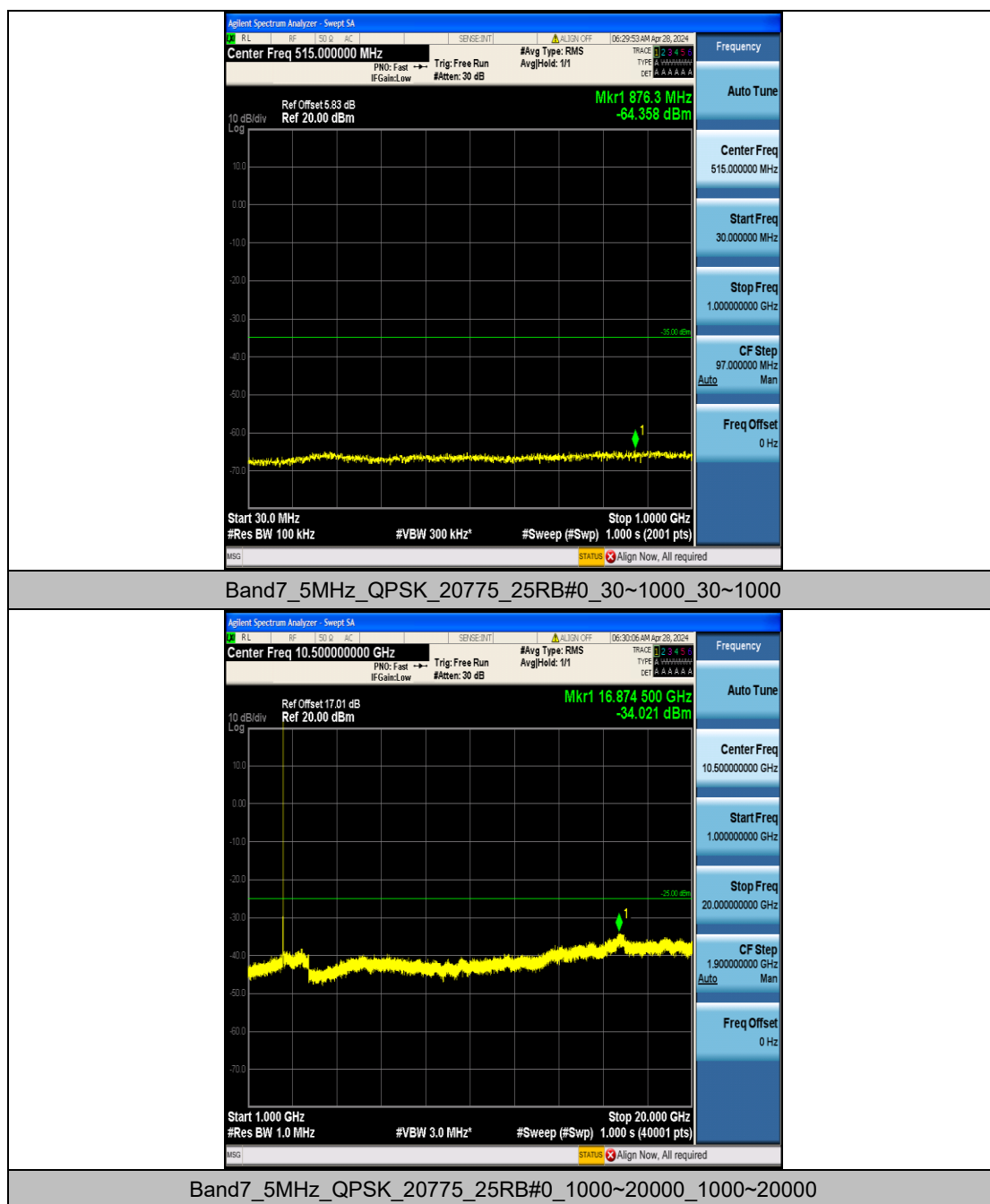
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	0.009~0.15	-65.24	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-64.05	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-64.36	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-34.02	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-27.51	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-65.45	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-64.74	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-64.57	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-33.51	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-27.35	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-68.32	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-64.09	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-64.16	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-34.06	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-27.42	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-67.62	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-65.63	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-64.45	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-33.51	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-27.50	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-67.91	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-64.01	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-64.20	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-33.55	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-27.51	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-67.13	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-65.71	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-64.61	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-34.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-27.45	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-65.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-65.46	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-64.20	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-33.93	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-27.43	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-67.36	PASS

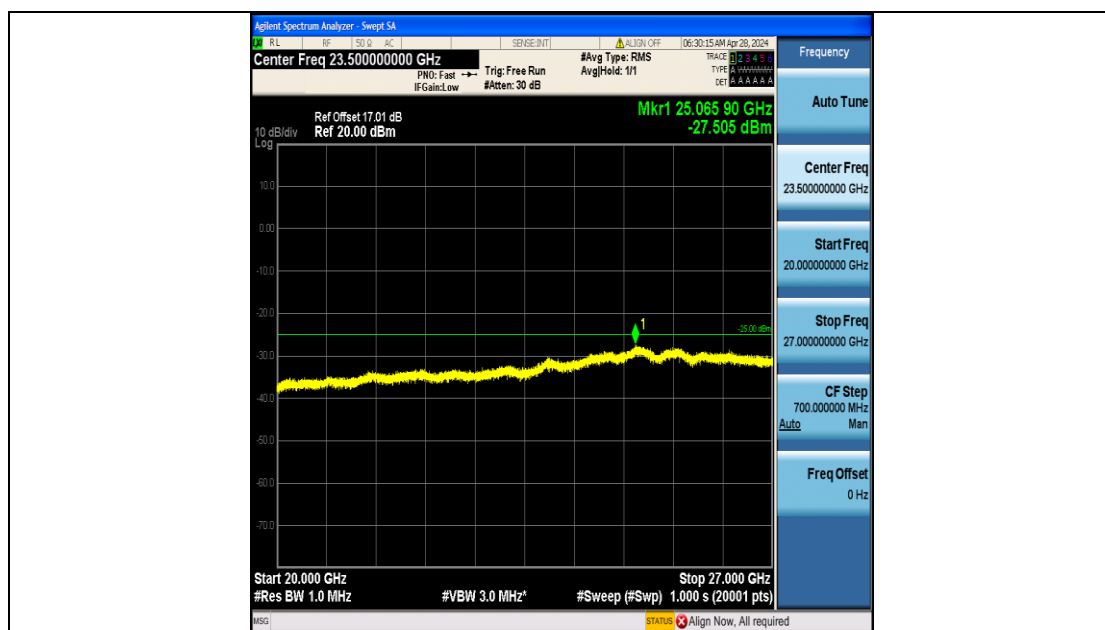
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-65.63	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-64.40	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-33.68	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-27.25	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-67.03	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-65.44	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-64.46	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-34.05	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-27.47	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-66.85	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-68.45	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-64.33	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-33.63	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-27.37	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-67.15	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-65.17	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-64.49	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-33.58	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-27.18	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-68.84	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-65.92	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-64.28	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-33.65	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-27.61	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-68.19	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-65.33	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-64.57	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-33.93	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-27.32	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-66.16	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-65.16	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-64.58	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-34.13	PASS
Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-27.05	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-69.14	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-64.12	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-64.40	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-34.08	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-27.26	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-66.65	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-66.13	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-64.38	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-33.93	PASS

Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-27.13	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-65.93	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-65.75	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-64.33	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-33.99	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-27.30	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-66.22	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-66.52	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-64.15	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-34.13	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-27.55	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-64.51	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-63.97	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-64.25	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-34.17	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-27.43	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-67.61	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-65.75	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-64.47	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-34.03	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-27.50	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-58.47	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-65.17	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-64.43	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-33.86	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-27.35	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-69.47	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-66.11	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-64.34	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-33.88	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-27.61	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-68.76	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-65.27	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-64.30	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-33.78	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-27.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-67.12	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-63.75	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-64.46	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-34.06	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-27.16	PASS

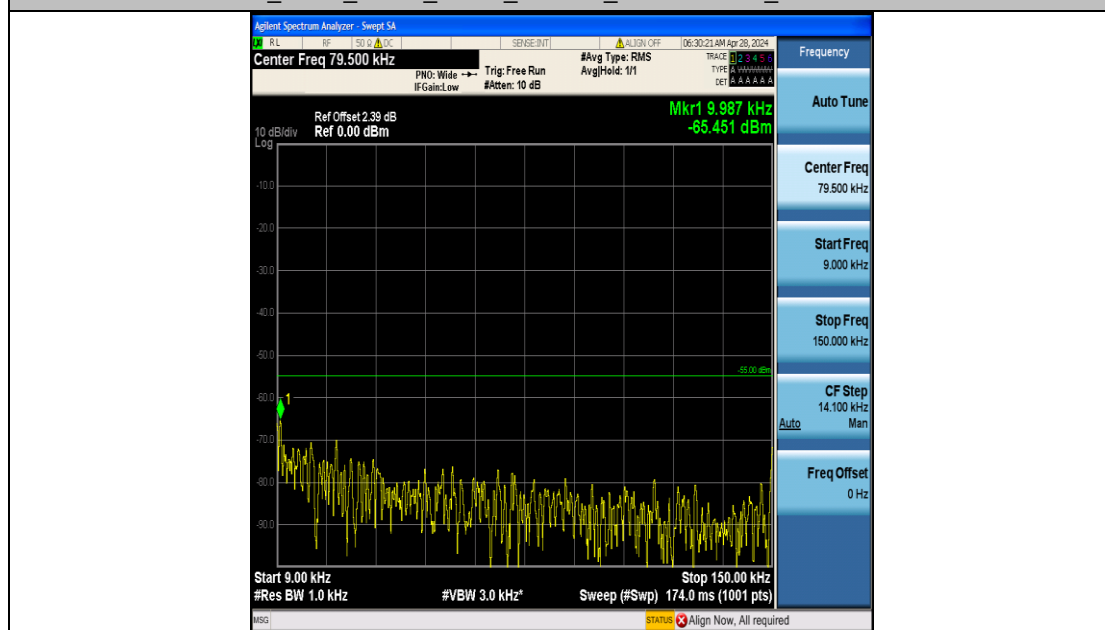
Test Graphs



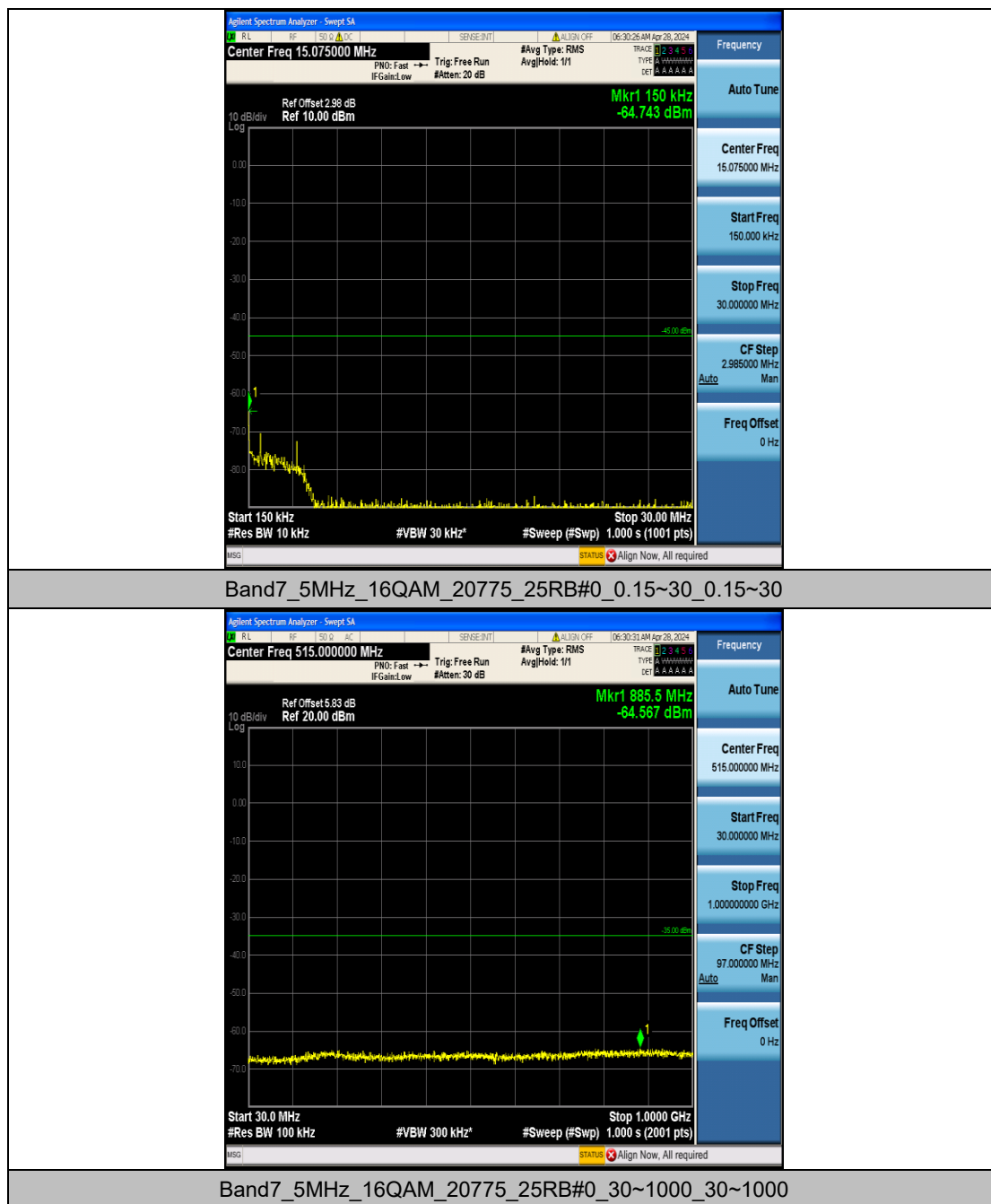


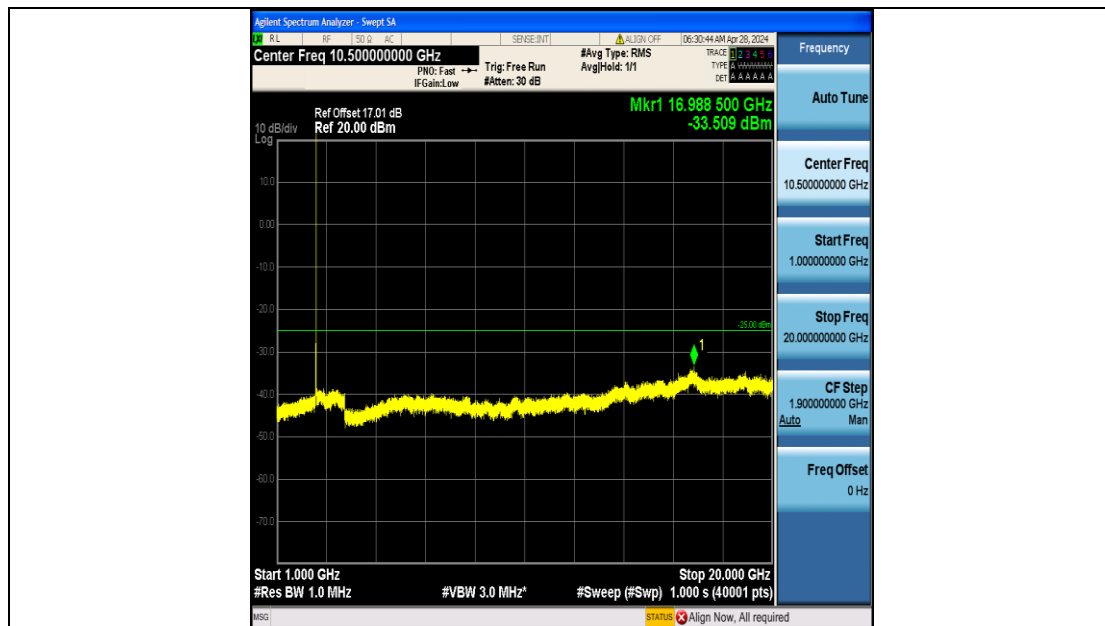


Band7_5MHz_QPSK_20775_25RB#0_20000~27000_20000~27000

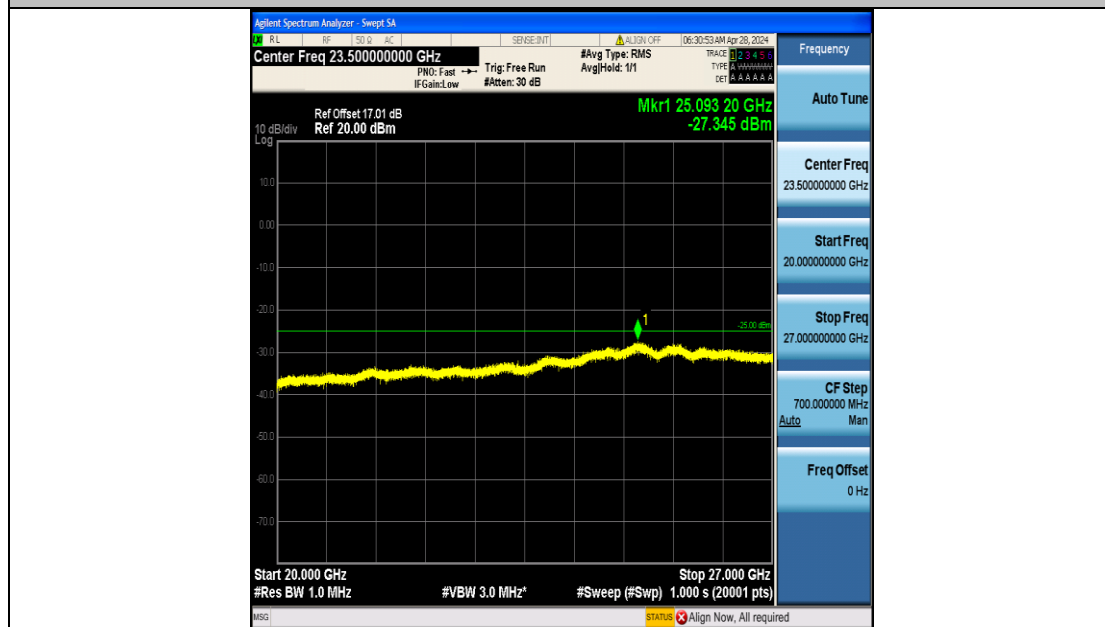


Band7_5MHz_16QAM_20775_25RB#0_0.009~0.15_0.009~0.15

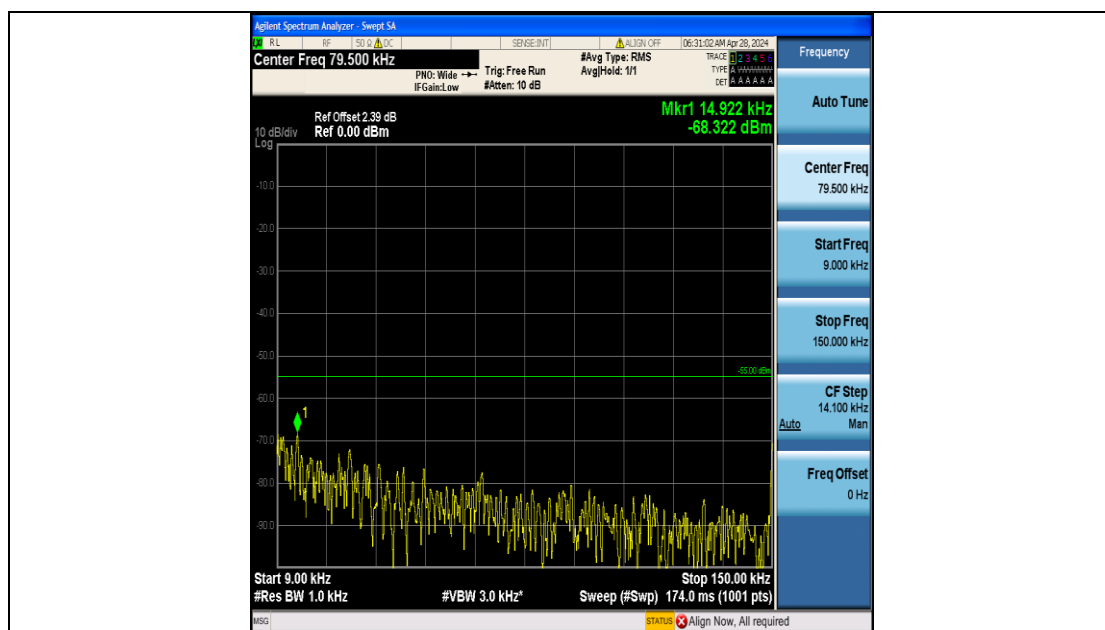




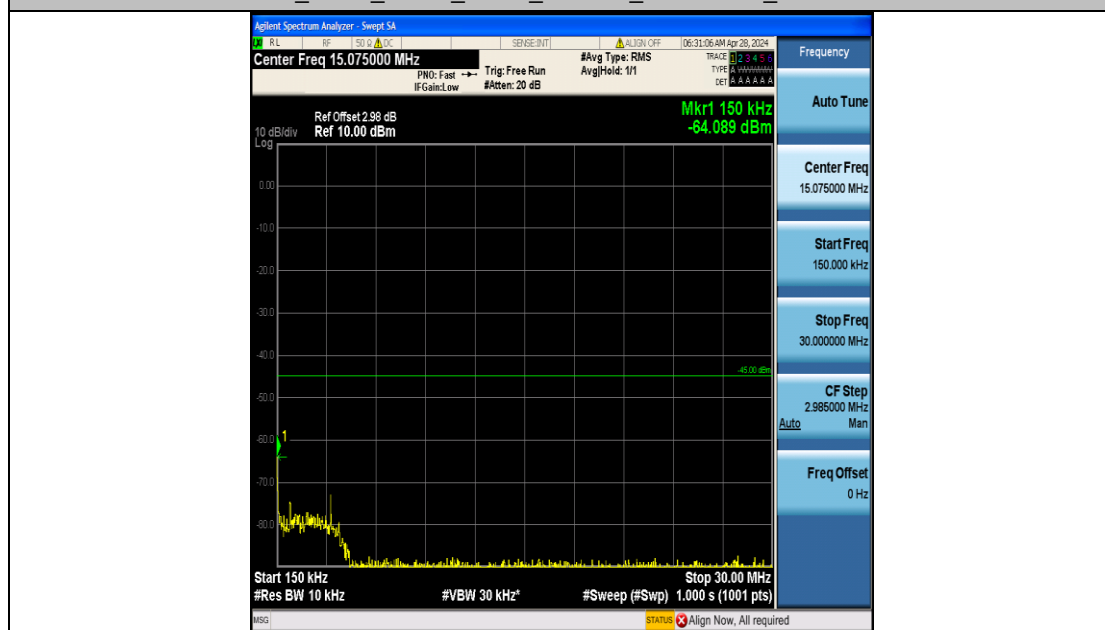
Band7_5MHz_16QAM_20775_25RB#0_1000~20000_1000~20000



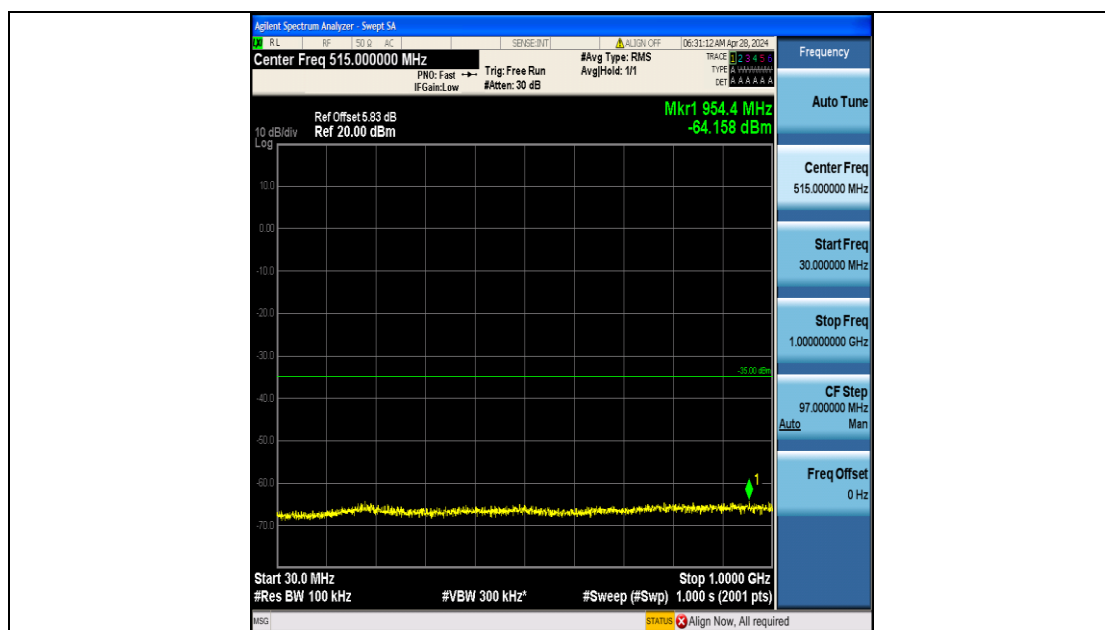
Band7_5MHz_16QAM_20775_25RB#0_20000~27000_20000~27000



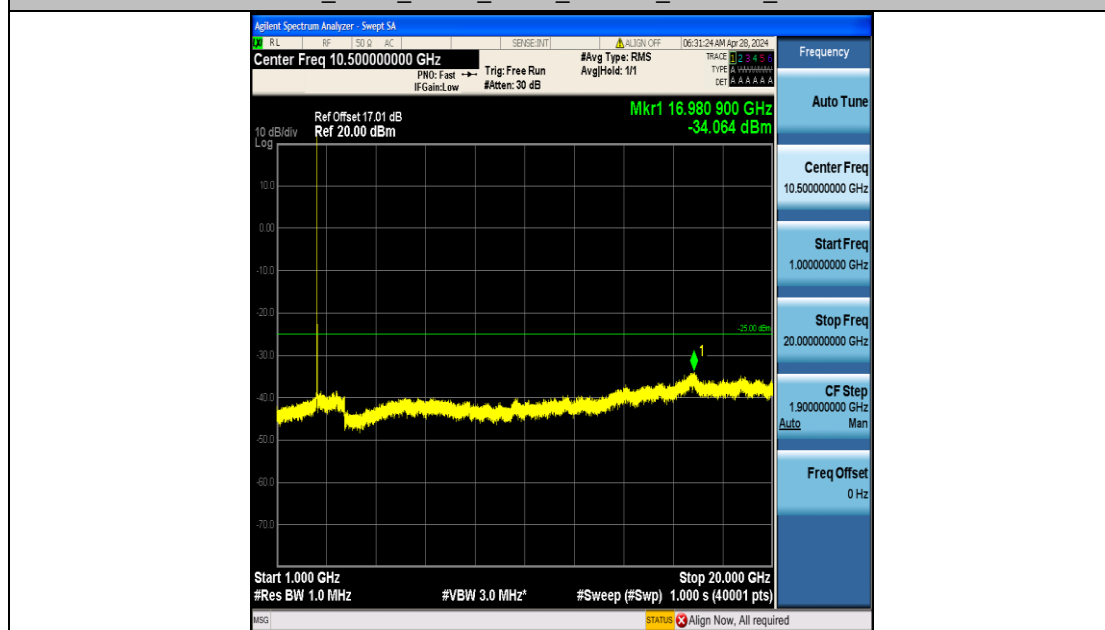
Band7_5MHz_QPSK_21100_25RB#0_0.009~0.15_0.009~0.15



Band7_5MHz_QPSK_21100_25RB#0_0.15~30_0.15~30



Band7_5MHz_QPSK_21100_25RB#0_30~1000_30~1000



Band7_5MHz_QPSK_21100_25RB#0_1000~20000_1000~20000