

FCC LTE Band Test Data

FCC ID : 2BFI8-TIQMINIM5

Company: : Jinan Ant Zhonglian Information Technology Co., Ltd.

EUT : TIQ mini M5

Model Number : TIQ mini M5

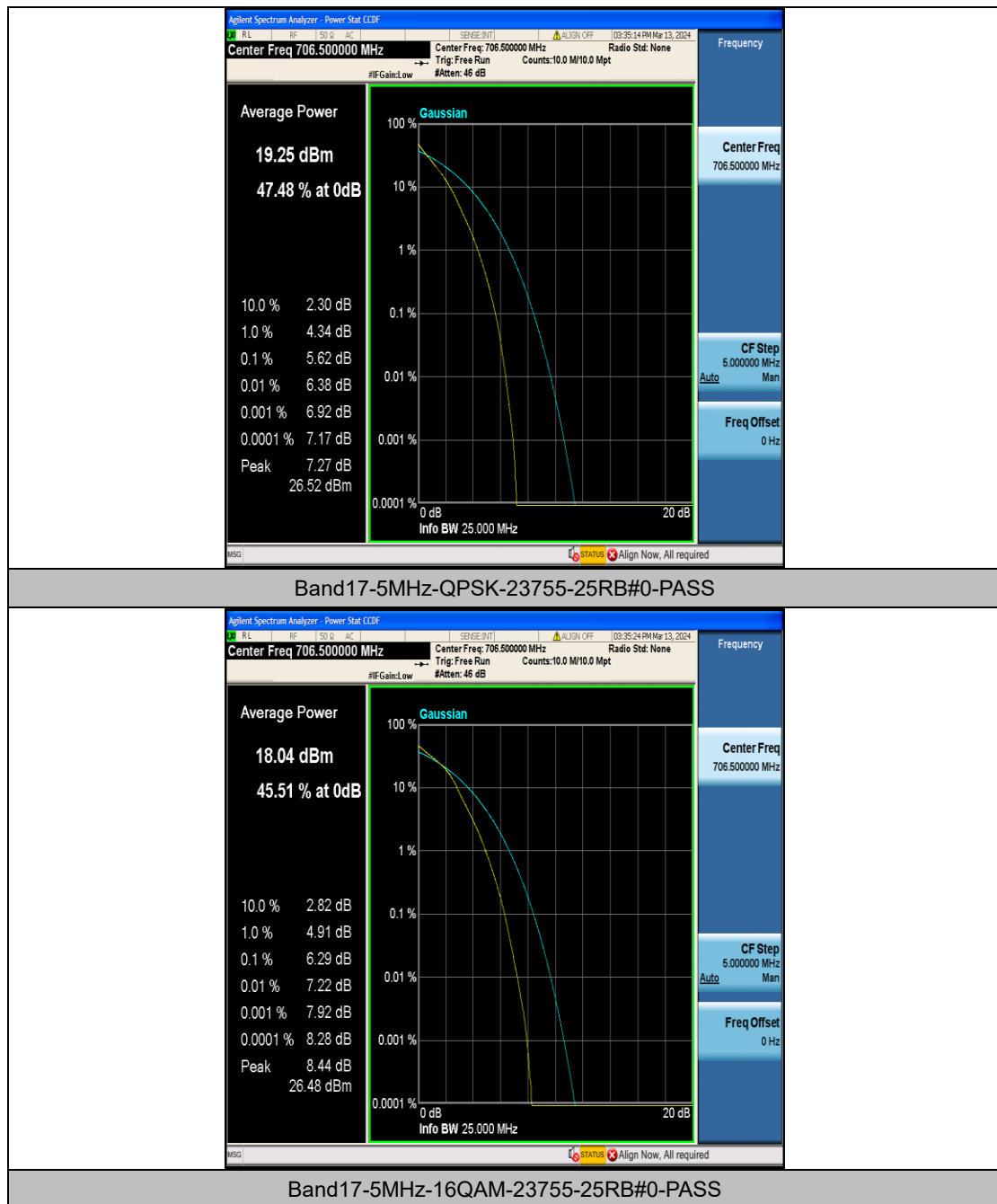
Reviewed By : Eric Wang

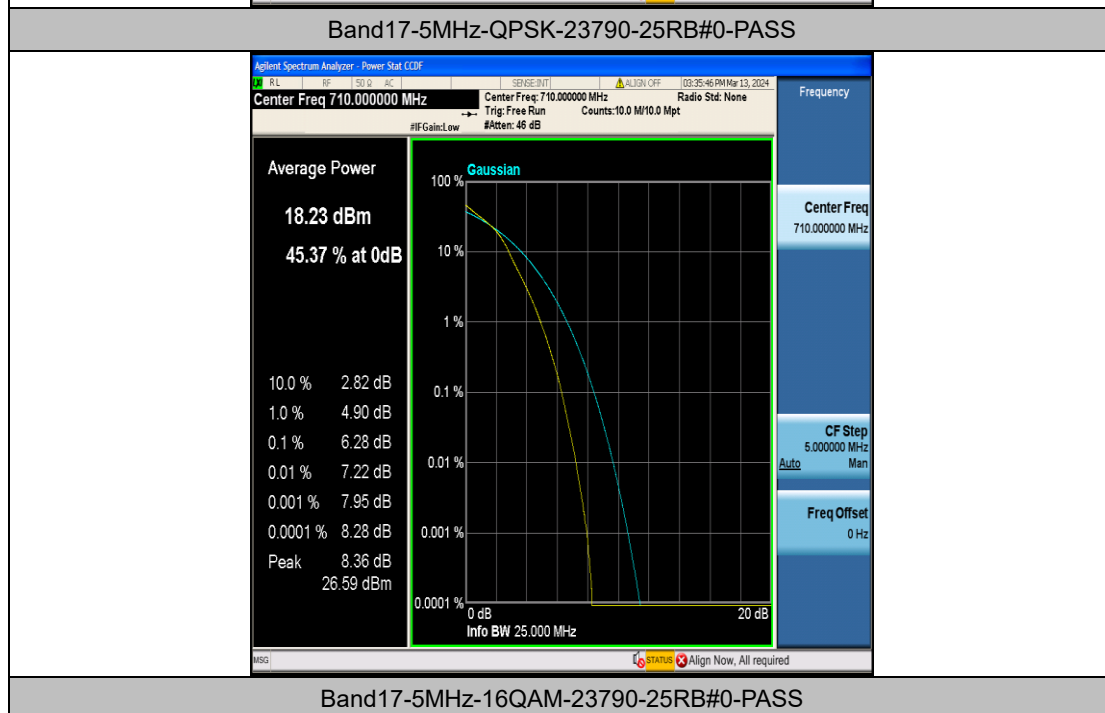
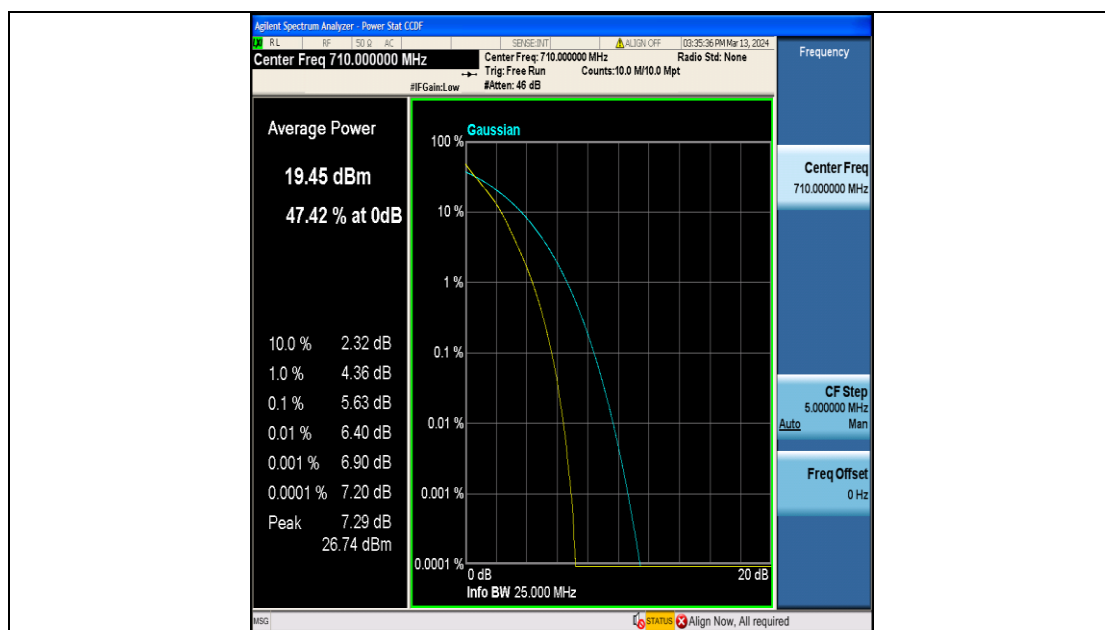
Appendix B: Peak-to-Average Ratio(CCDF)

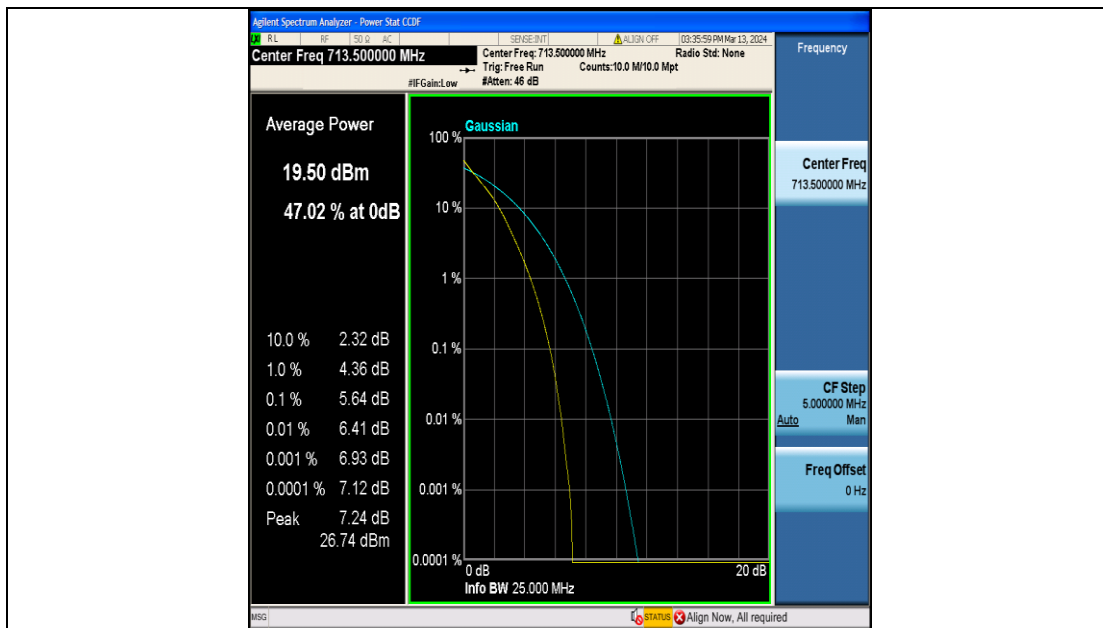
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.62	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.29	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.63	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.28	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.64	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.30	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.65	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.29	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.62	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.32	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.71	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.34	13	PASS

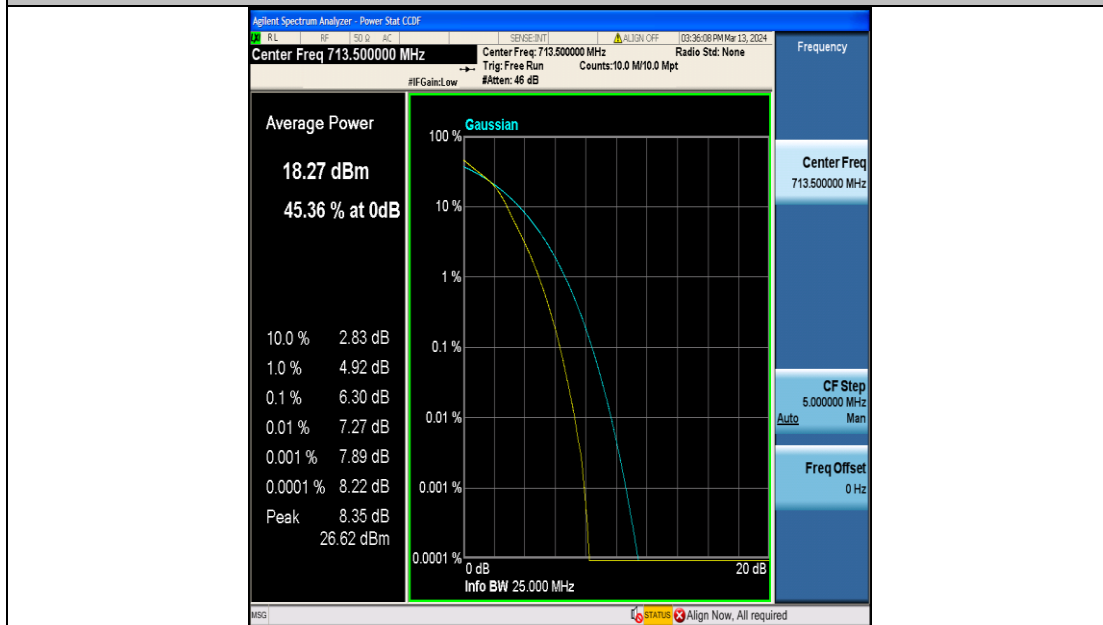
Test Graphs



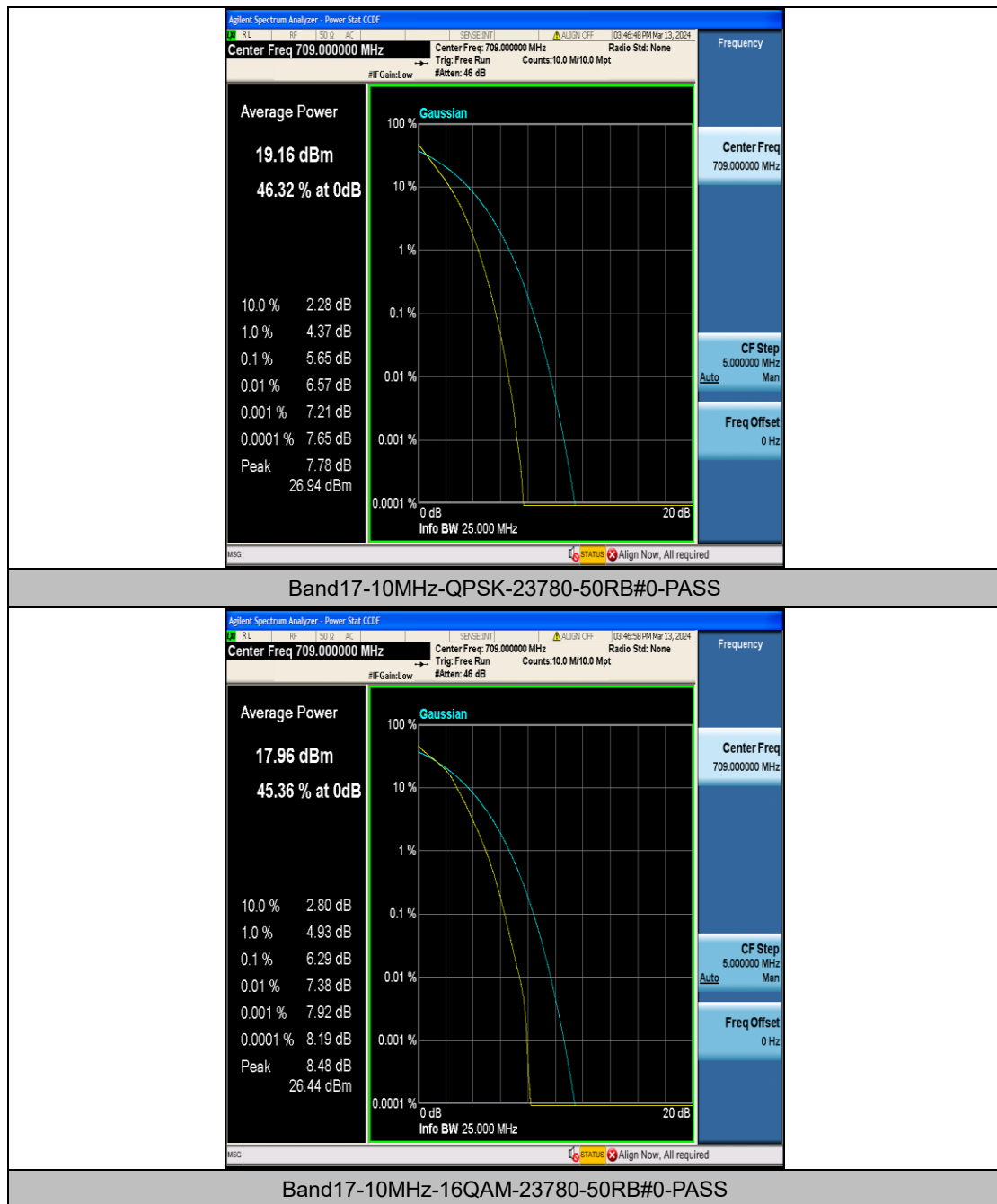


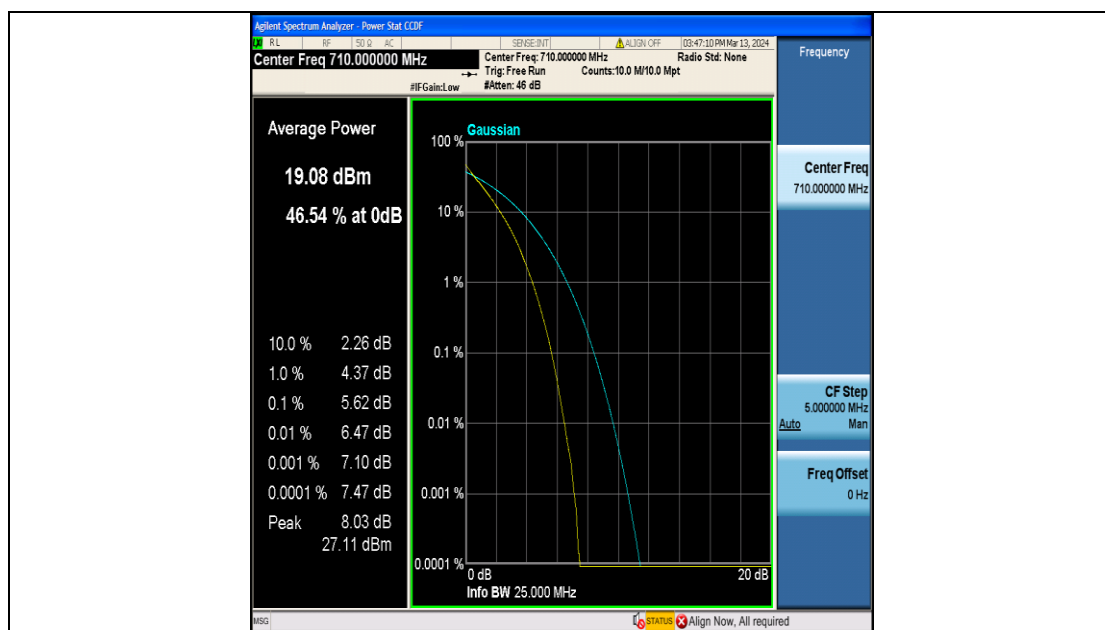


Band17-5MHz-QPSK-23825-25RB#0-PASS

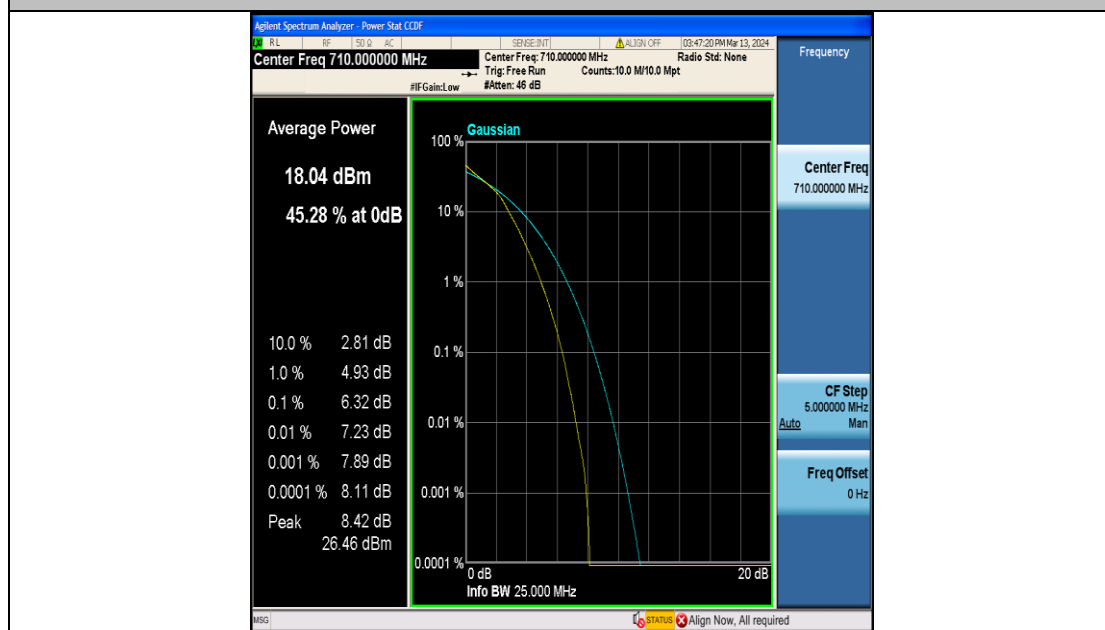


Band17-5MHz-16QAM-23825-25RB#0-PASS

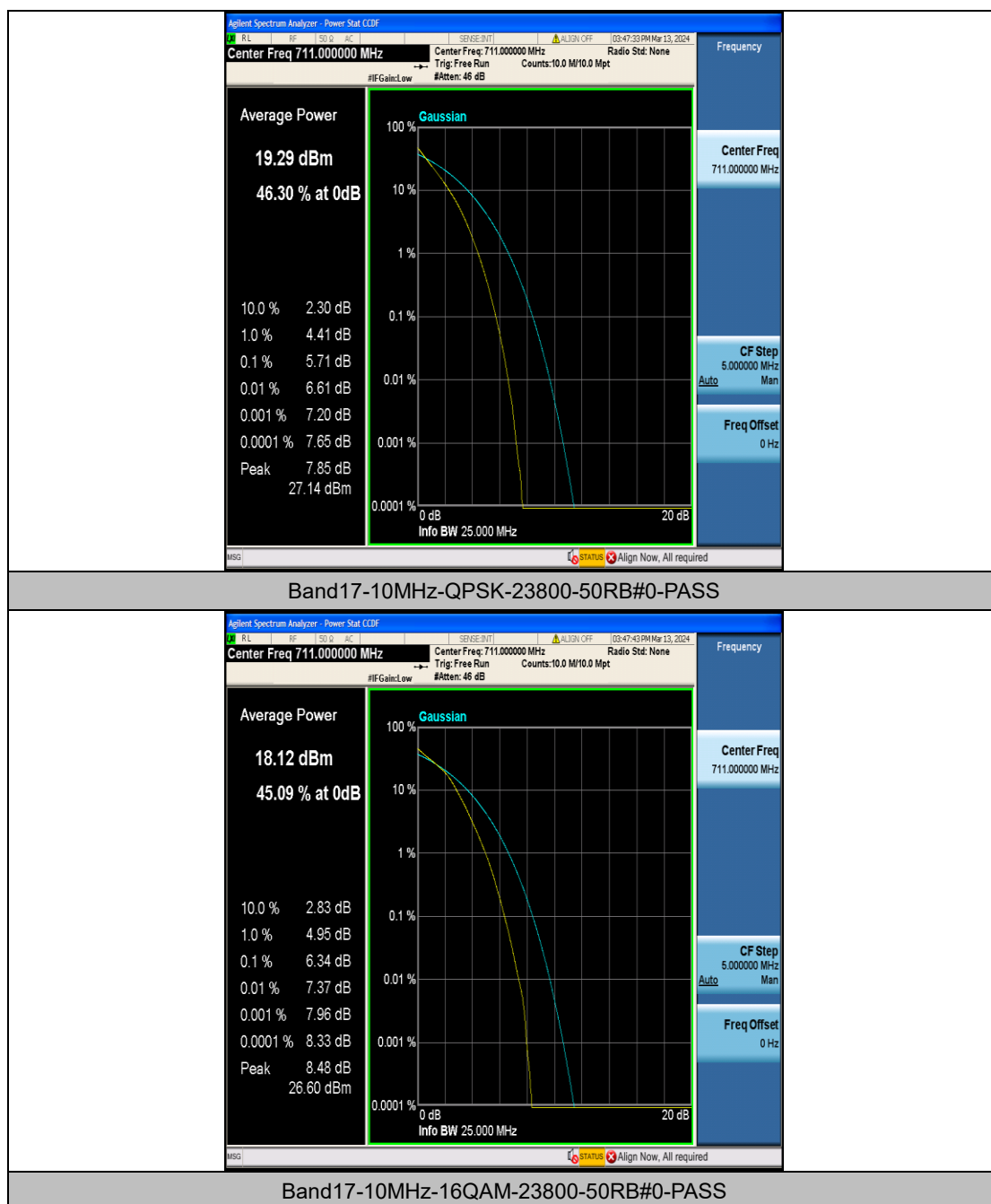




Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS

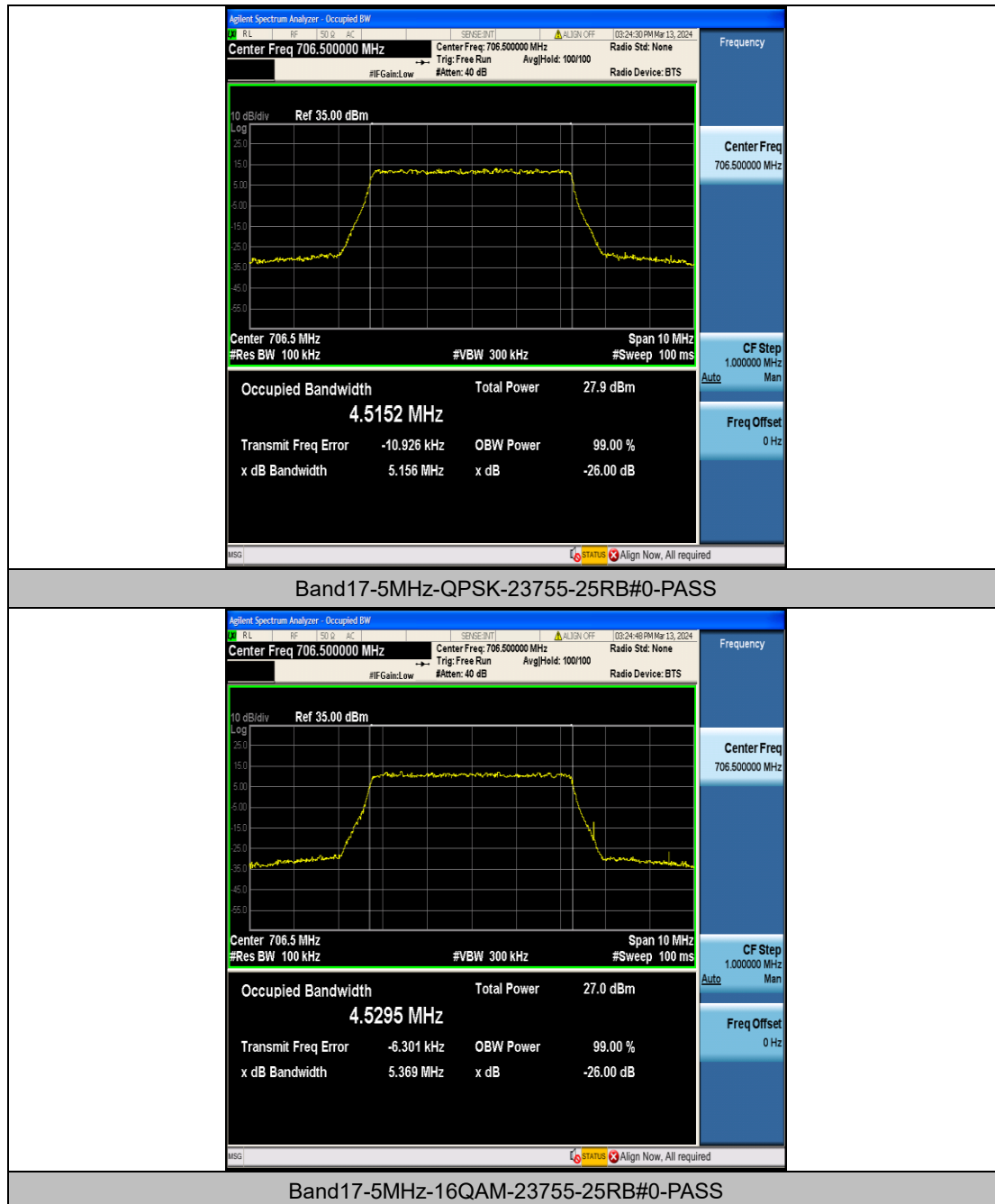


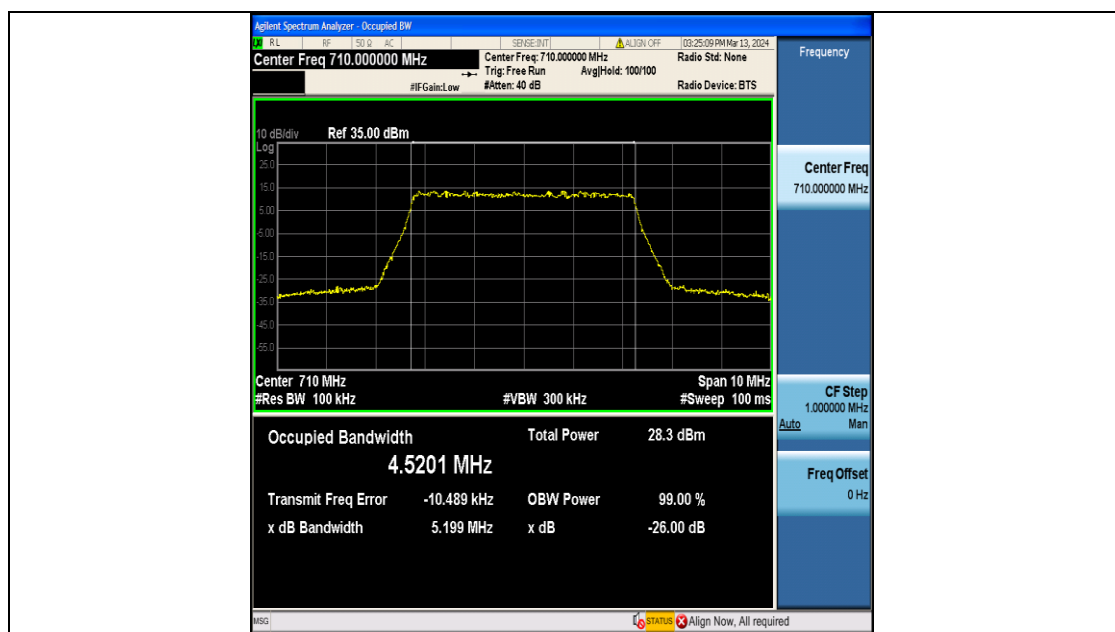
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

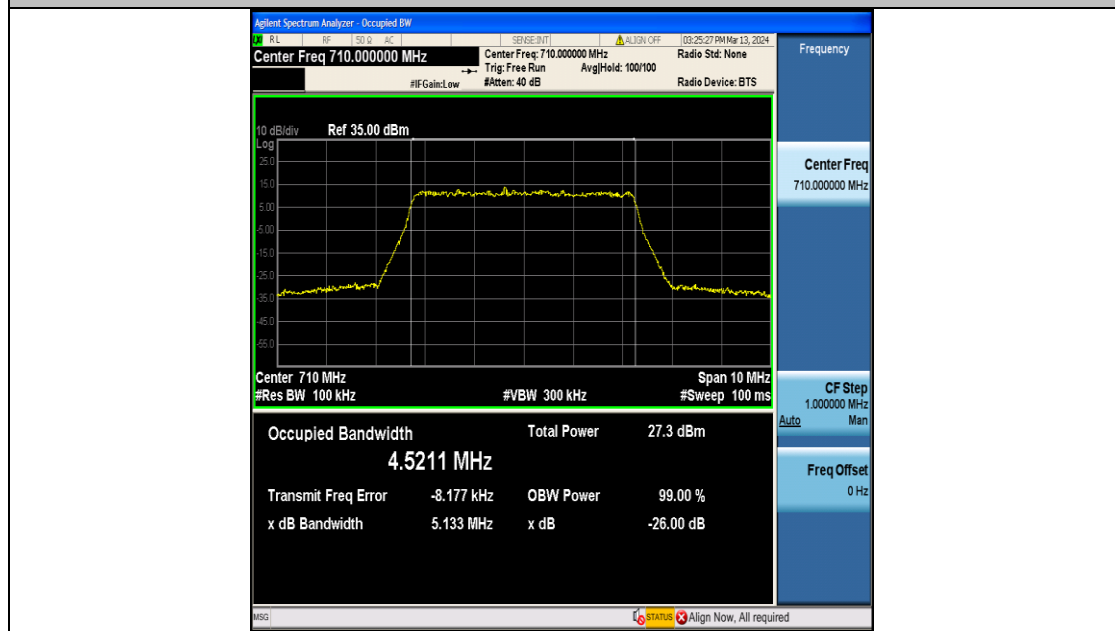
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5152	5.156	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5295	5.369	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5201	5.199	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5211	5.133	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5310	5.199	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5234	5.141	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0028	10.16	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0046	9.997	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0078	10.15	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0015	10.09	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0139	10.21	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0111	10.01	PASS

Test Graphs

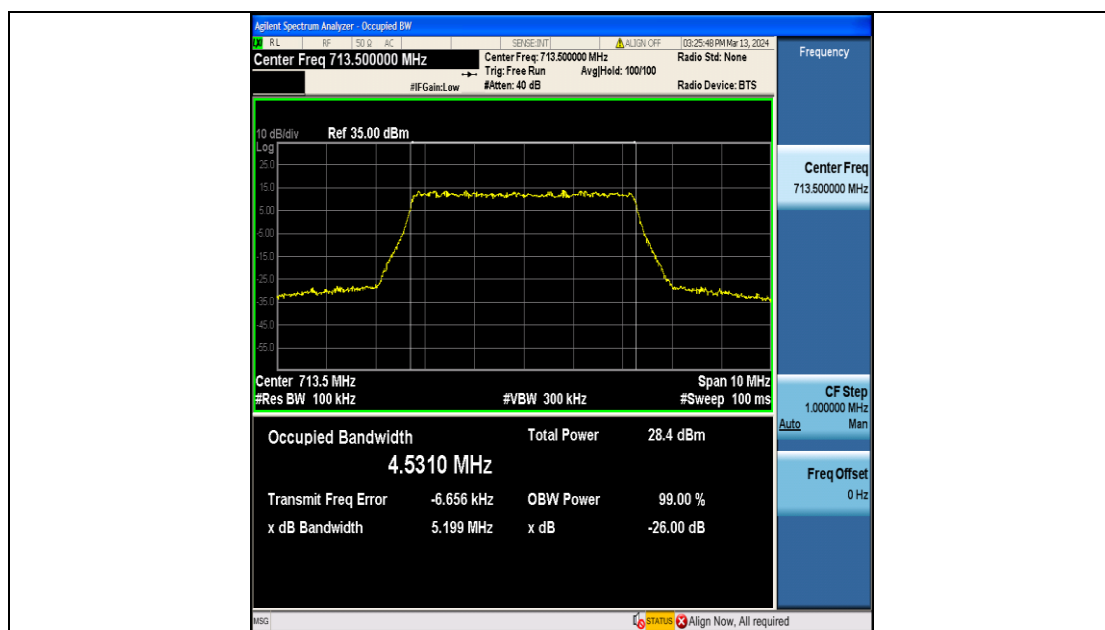




Band17-5MHz-QPSK-23790-25RB#0-PASS



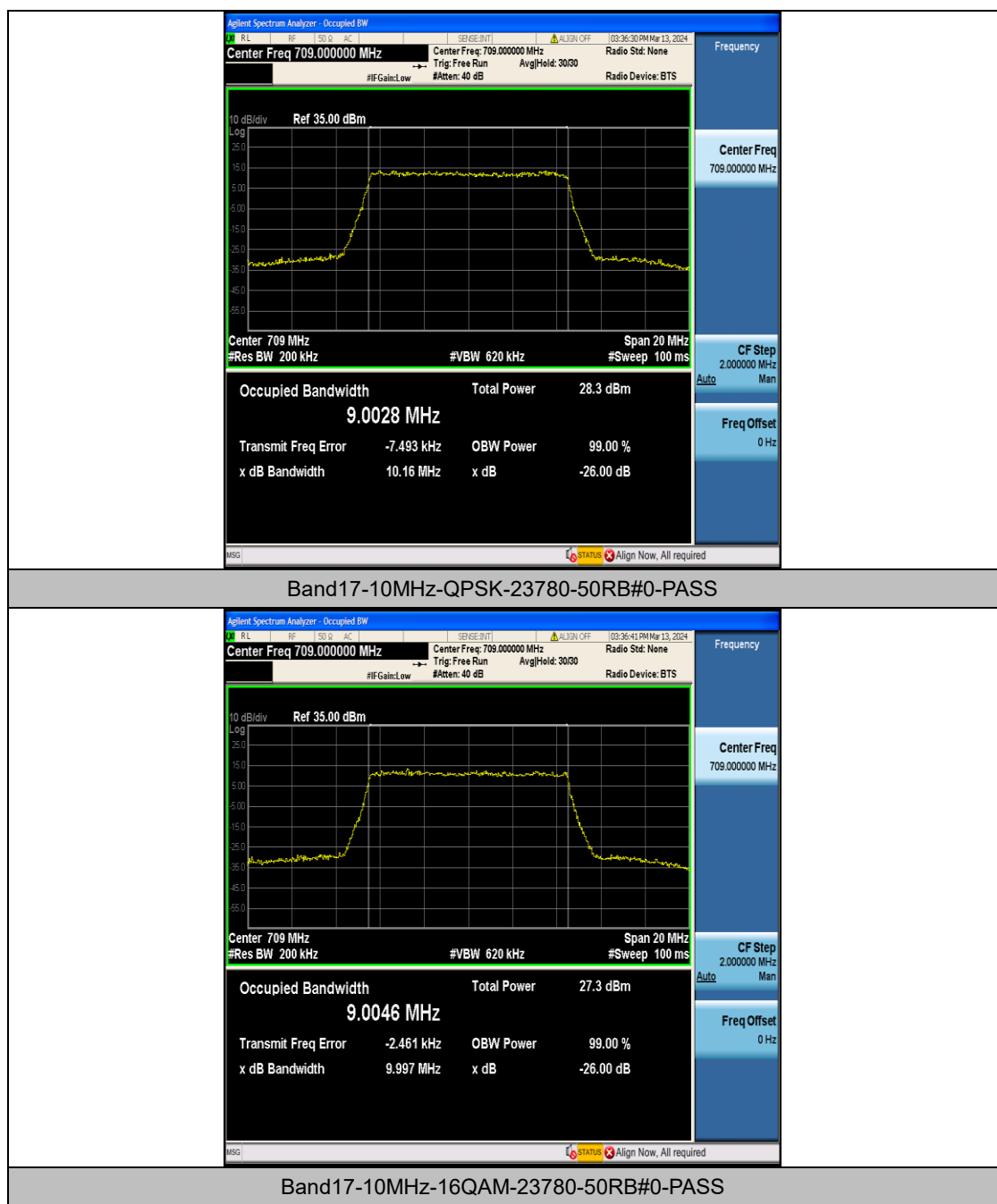
Band17-5MHz-16QAM-23790-25RB#0-PASS

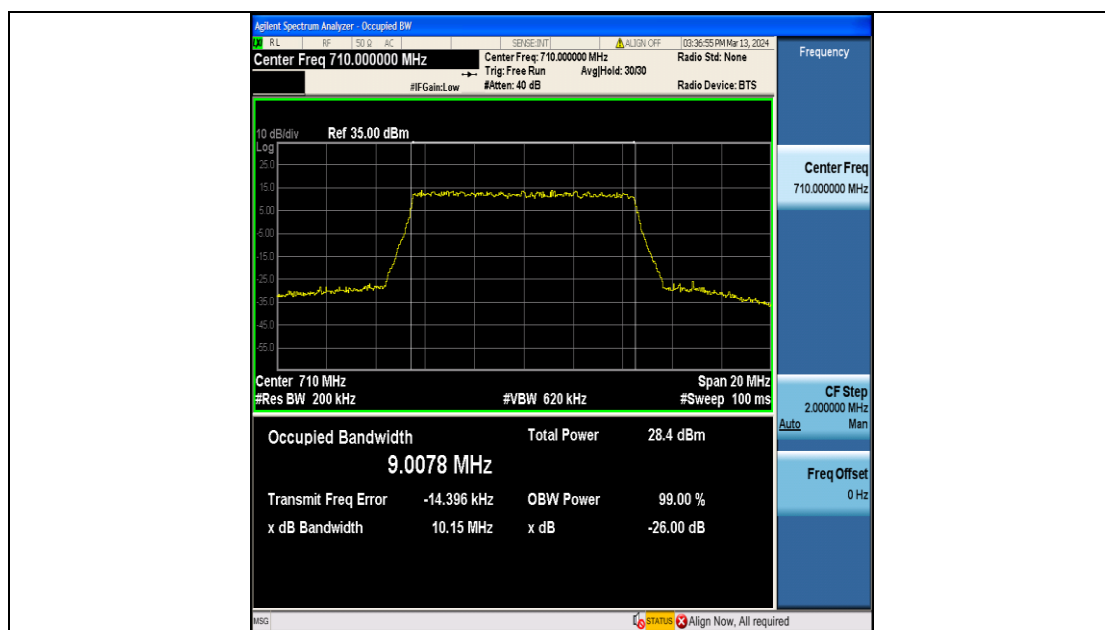


Band17-5MHz-QPSK-23825-25RB#0-PASS



Band17-5MHz-16QAM-23825-25RB#0-PASS

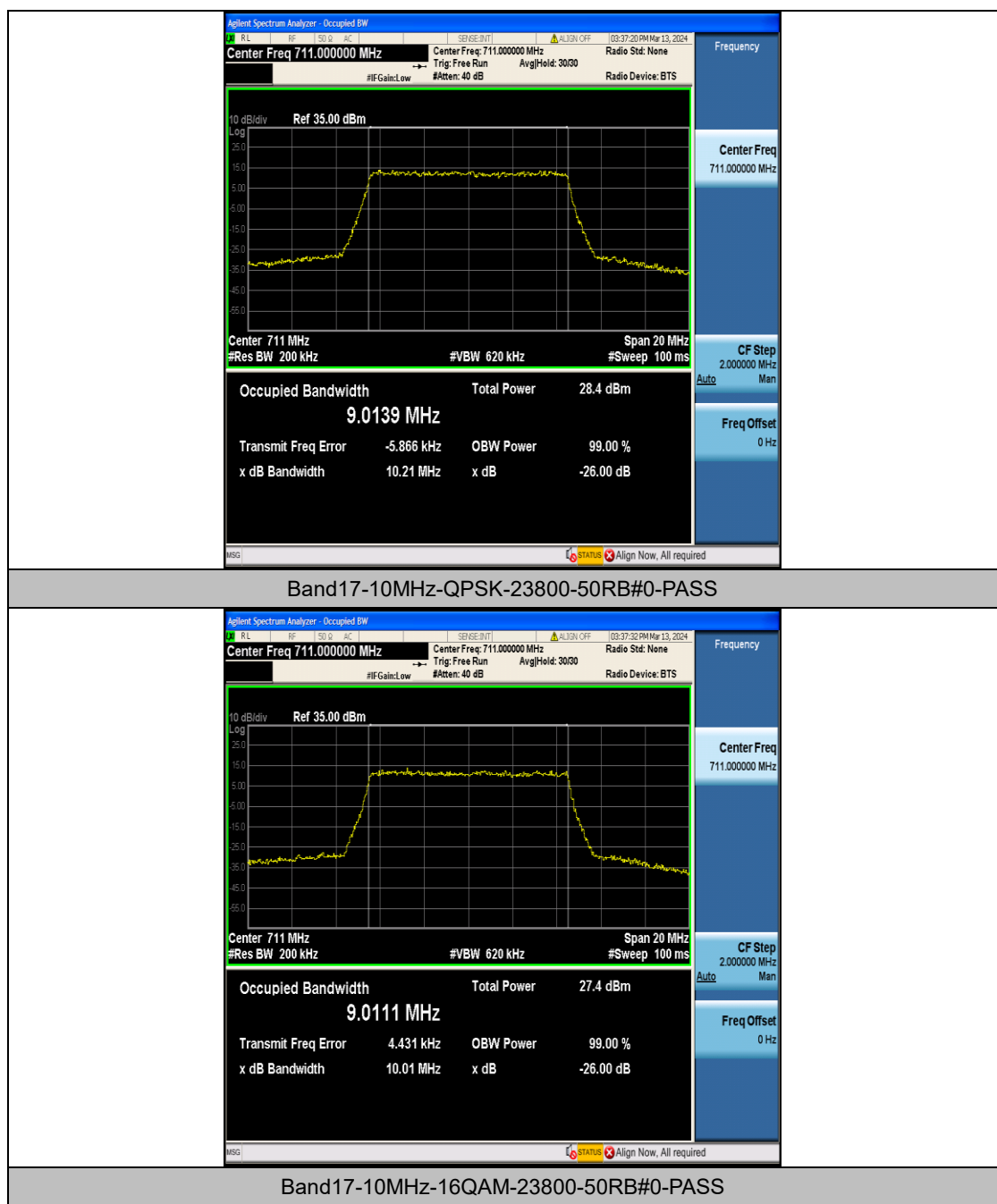




Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS

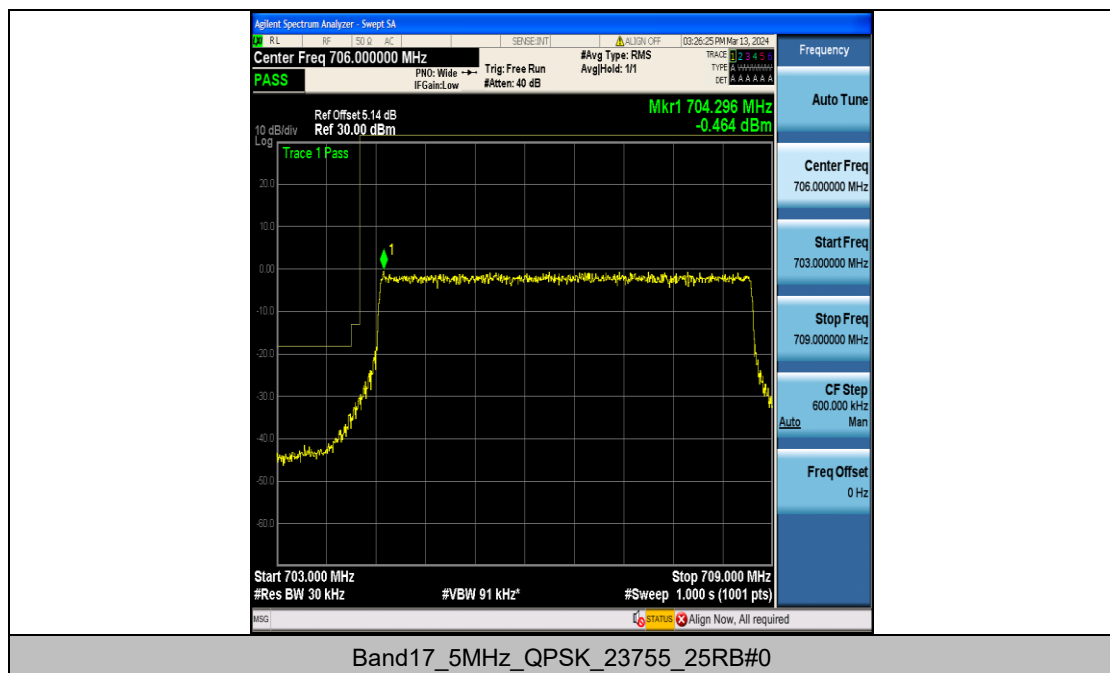


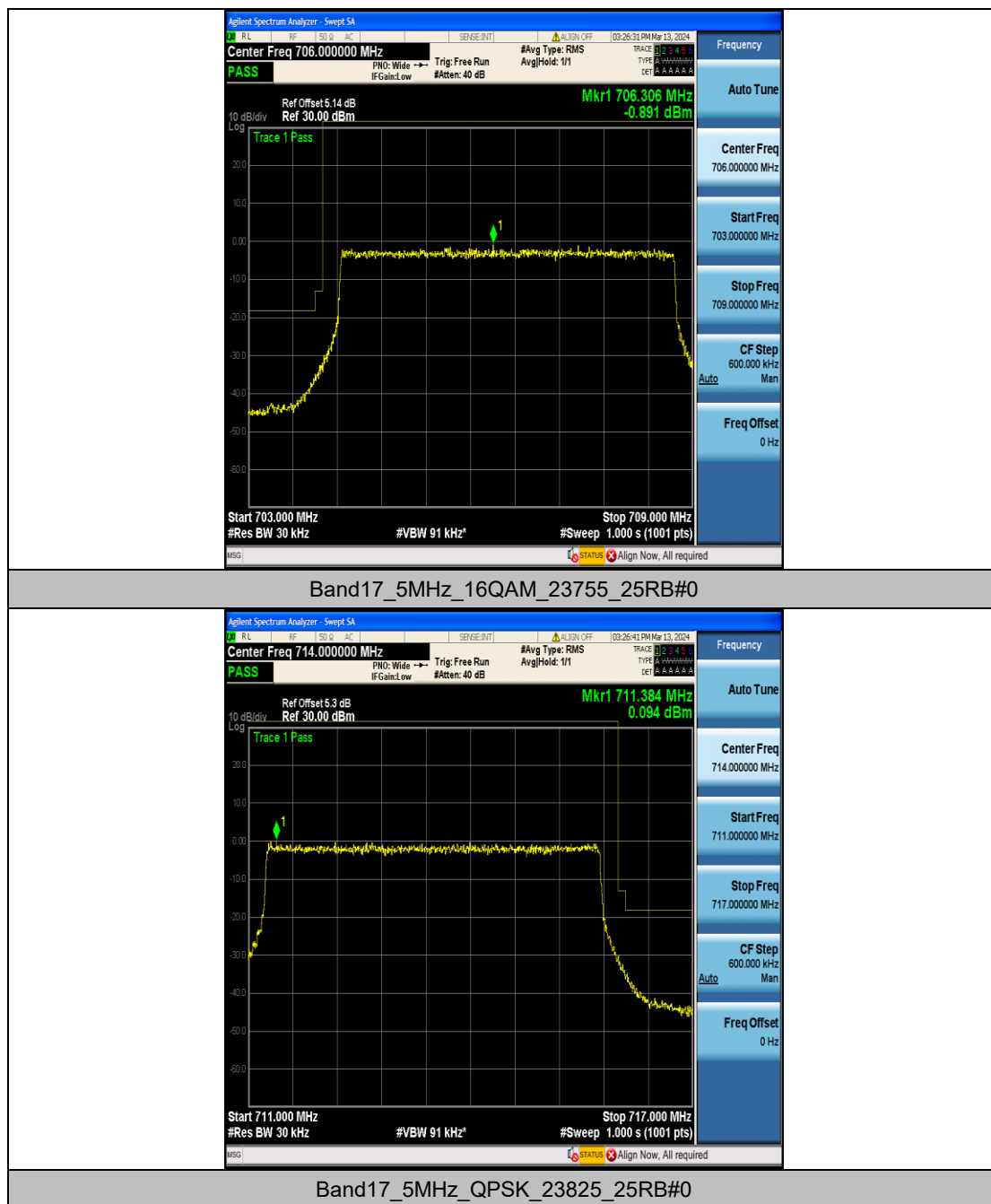
Appendix D: Band Edge

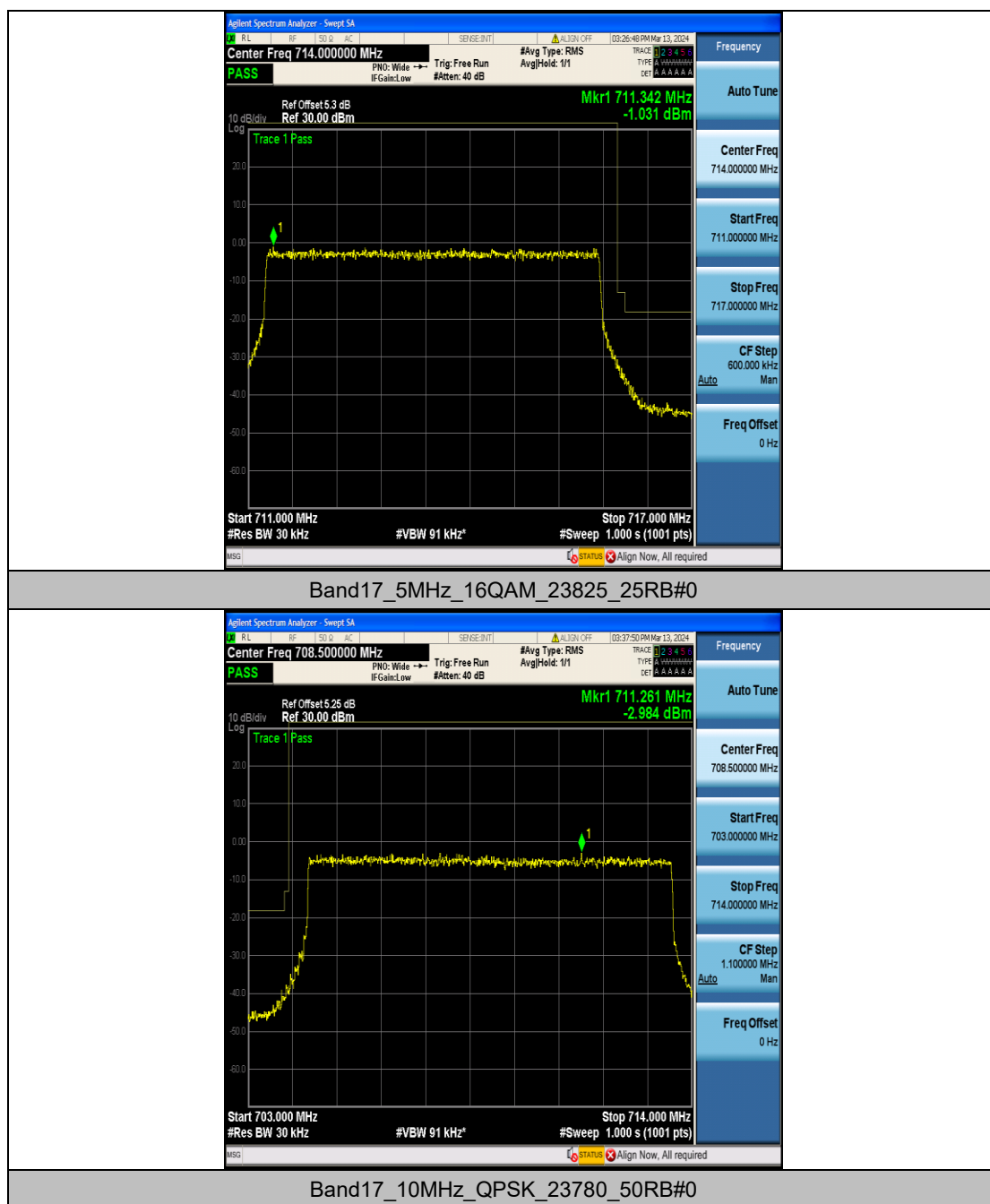
Test Result

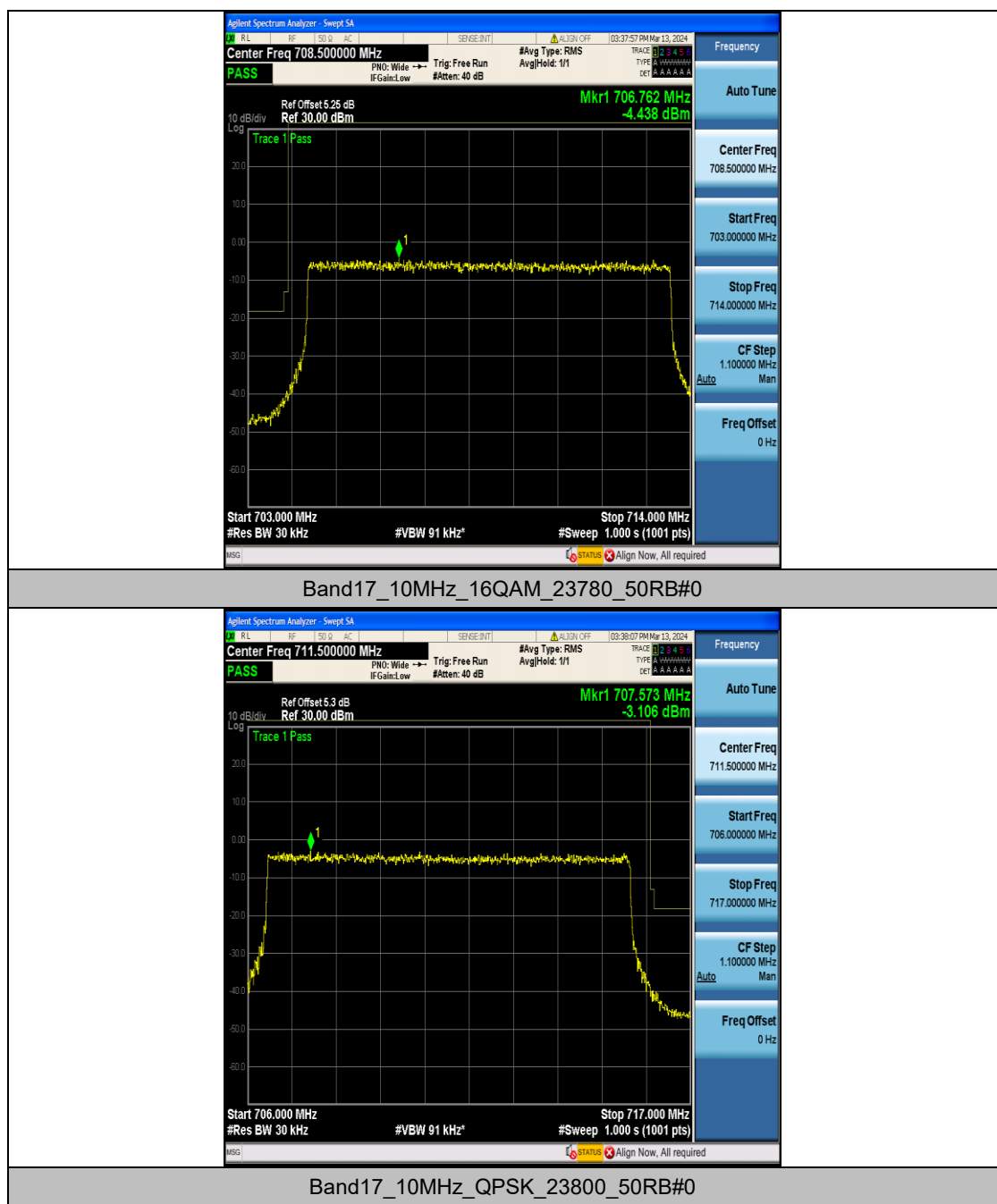
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-34.09	PASS
Band17	5MHz	16QAM	23755	25RB#0	-35.97	PASS
Band17	5MHz	QPSK	23825	25RB#0	-34.62	PASS
Band17	5MHz	16QAM	23825	25RB#0	-35.61	PASS
Band17	10MHz	QPSK	23780	50RB#0	-39.00	PASS
Band17	10MHz	16QAM	23780	50RB#0	-41.21	PASS
Band17	10MHz	QPSK	23800	50RB#0	-40.27	PASS
Band17	10MHz	16QAM	23800	50RB#0	-41.96	PASS

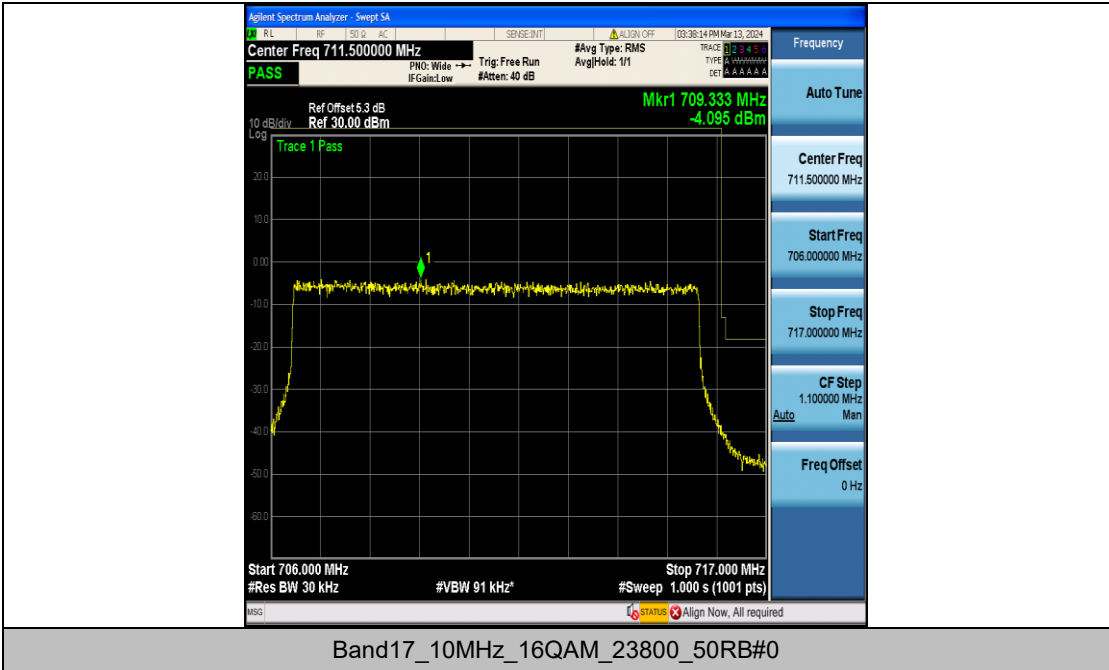
Test Graphs











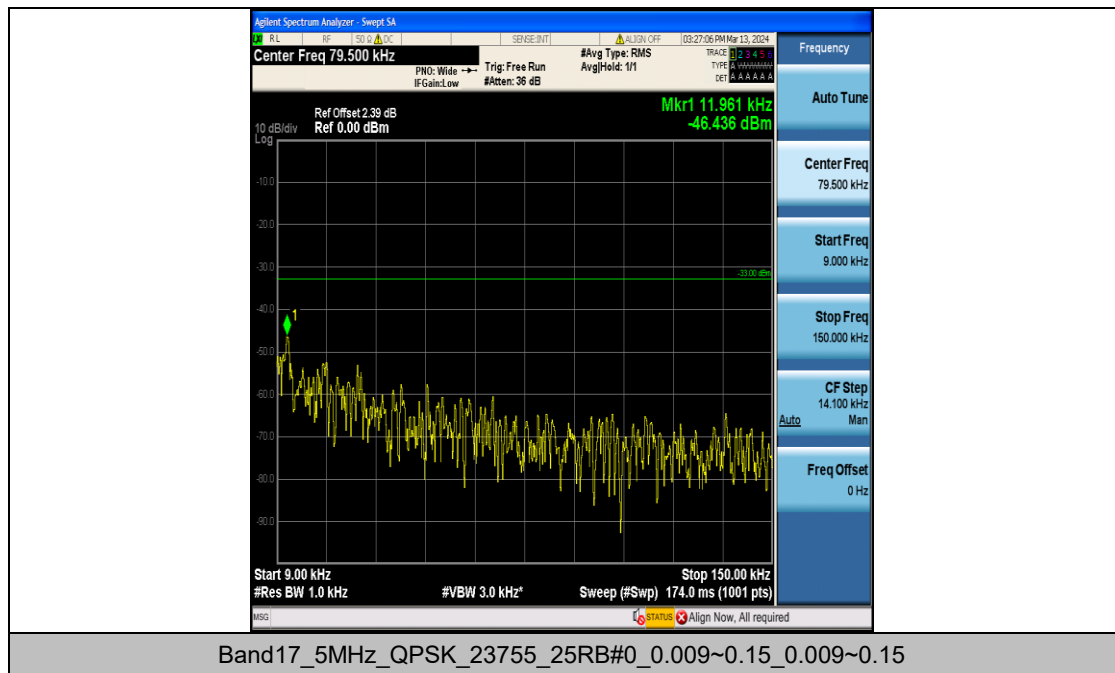
Appendix E: Conducted Spurious Emission

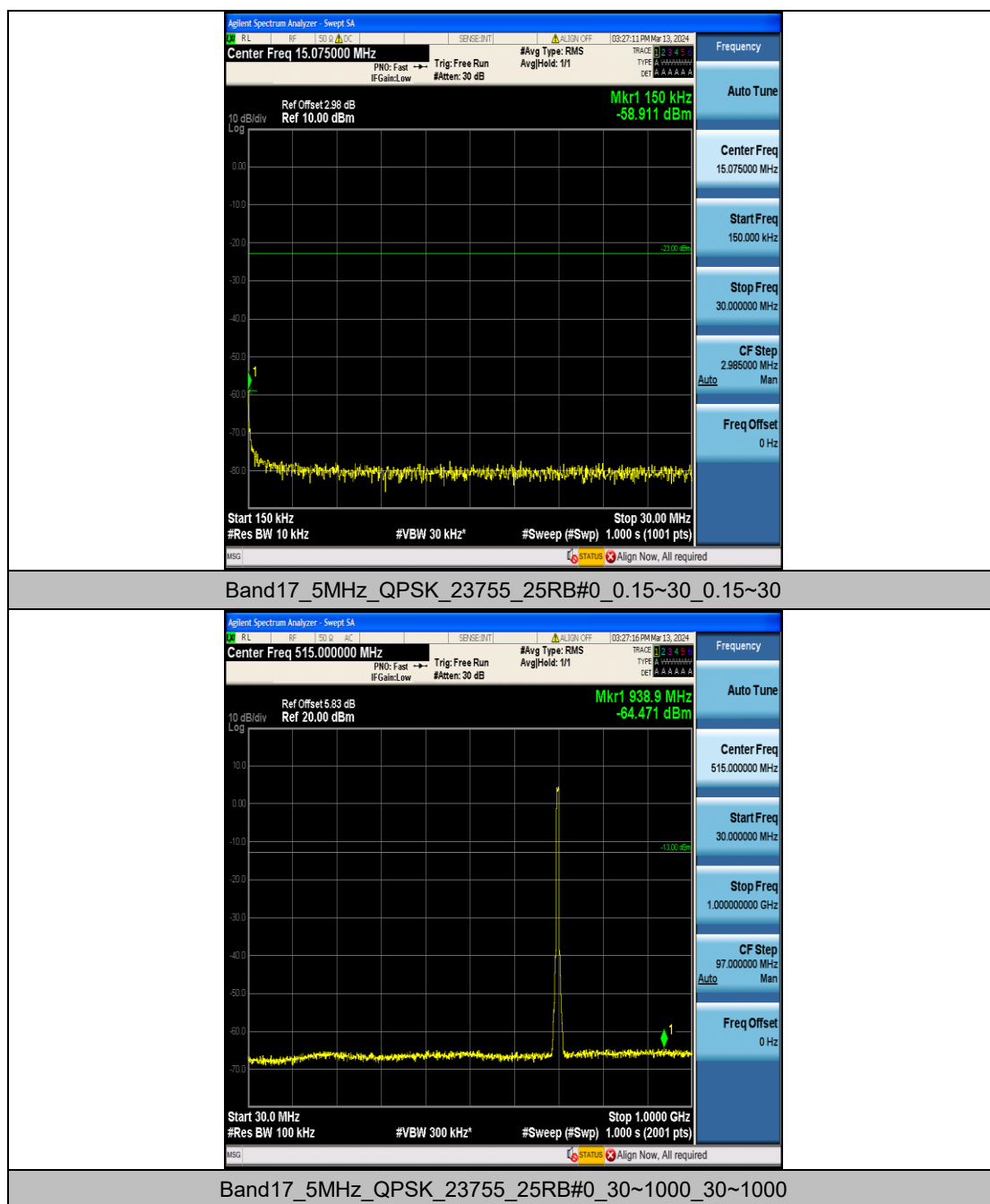
Test Result

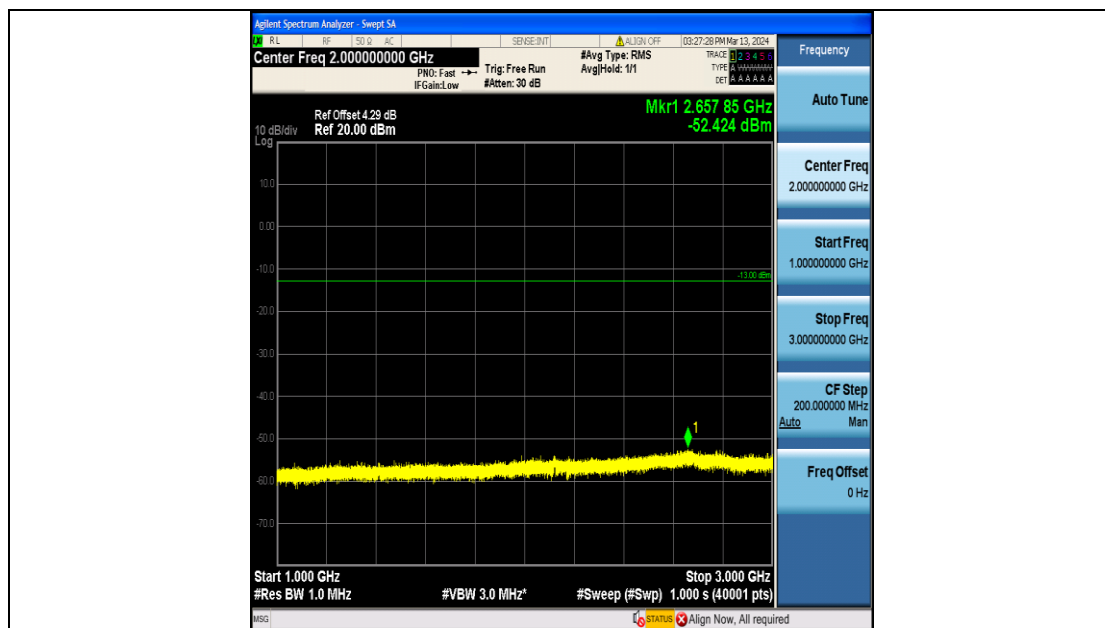
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	0.009~0.15	-46.44	PASS
Band17	5MHz	QPSK	23755	25RB#0	0.15~30	-58.91	PASS
Band17	5MHz	QPSK	23755	25RB#0	30~1000	-64.47	PASS
Band17	5MHz	QPSK	23755	25RB#0	1000~3000	-52.42	PASS
Band17	5MHz	QPSK	23755	25RB#0	3000~10000	-50.56	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.009~0.15	-47.30	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.15~30	-59.29	PASS
Band17	5MHz	16QAM	23755	25RB#0	30~1000	-64.22	PASS
Band17	5MHz	16QAM	23755	25RB#0	1000~3000	-52.48	PASS
Band17	5MHz	16QAM	23755	25RB#0	3000~10000	-50.64	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.009~0.15	-48.15	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.15~30	-56.86	PASS
Band17	5MHz	QPSK	23790	25RB#0	30~1000	-64.47	PASS
Band17	5MHz	QPSK	23790	25RB#0	1000~3000	-52.46	PASS
Band17	5MHz	QPSK	23790	25RB#0	3000~10000	-50.60	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.009~0.15	-48.46	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.15~30	-58.28	PASS
Band17	5MHz	16QAM	23790	25RB#0	30~1000	-64.28	PASS
Band17	5MHz	16QAM	23790	25RB#0	1000~3000	-52.47	PASS
Band17	5MHz	16QAM	23790	25RB#0	3000~10000	-50.41	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.009~0.15	-49.00	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.15~30	-57.53	PASS
Band17	5MHz	QPSK	23825	25RB#0	30~1000	-64.21	PASS
Band17	5MHz	QPSK	23825	25RB#0	1000~3000	-52.50	PASS
Band17	5MHz	QPSK	23825	25RB#0	3000~10000	-50.56	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.009~0.15	-43.05	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.15~30	-59.34	PASS
Band17	5MHz	16QAM	23825	25RB#0	30~1000	-63.98	PASS
Band17	5MHz	16QAM	23825	25RB#0	1000~3000	-52.16	PASS
Band17	5MHz	16QAM	23825	25RB#0	3000~10000	-50.38	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.009~0.15	-49.18	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.15~30	-58.86	PASS
Band17	10MHz	QPSK	23780	50RB#0	30~1000	-64.22	PASS
Band17	10MHz	QPSK	23780	50RB#0	1000~3000	-52.83	PASS
Band17	10MHz	QPSK	23780	50RB#0	3000~10000	-50.38	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.009~0.15	-47.36	PASS

Band17	10MHz	16QAM	23780	50RB#0	0.15~30	-60.13	PASS
Band17	10MHz	16QAM	23780	50RB#0	30~1000	-64.44	PASS
Band17	10MHz	16QAM	23780	50RB#0	1000~3000	-52.44	PASS
Band17	10MHz	16QAM	23780	50RB#0	3000~10000	-50.43	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.009~0.15	-48.90	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.15~30	-58.82	PASS
Band17	10MHz	QPSK	23790	50RB#0	30~1000	-64.49	PASS
Band17	10MHz	QPSK	23790	50RB#0	1000~3000	-52.57	PASS
Band17	10MHz	QPSK	23790	50RB#0	3000~10000	-49.84	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.009~0.15	-50.14	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.15~30	-58.78	PASS
Band17	10MHz	16QAM	23790	50RB#0	30~1000	-64.14	PASS
Band17	10MHz	16QAM	23790	50RB#0	1000~3000	-52.52	PASS
Band17	10MHz	16QAM	23790	50RB#0	3000~10000	-50.58	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.009~0.15	-47.51	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.15~30	-58.23	PASS
Band17	10MHz	QPSK	23800	50RB#0	30~1000	-64.39	PASS
Band17	10MHz	QPSK	23800	50RB#0	1000~3000	-52.46	PASS
Band17	10MHz	QPSK	23800	50RB#0	3000~10000	-50.40	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.009~0.15	-44.55	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.15~30	-60.17	PASS
Band17	10MHz	16QAM	23800	50RB#0	30~1000	-64.40	PASS
Band17	10MHz	16QAM	23800	50RB#0	1000~3000	-52.39	PASS
Band17	10MHz	16QAM	23800	50RB#0	3000~10000	-50.60	PASS

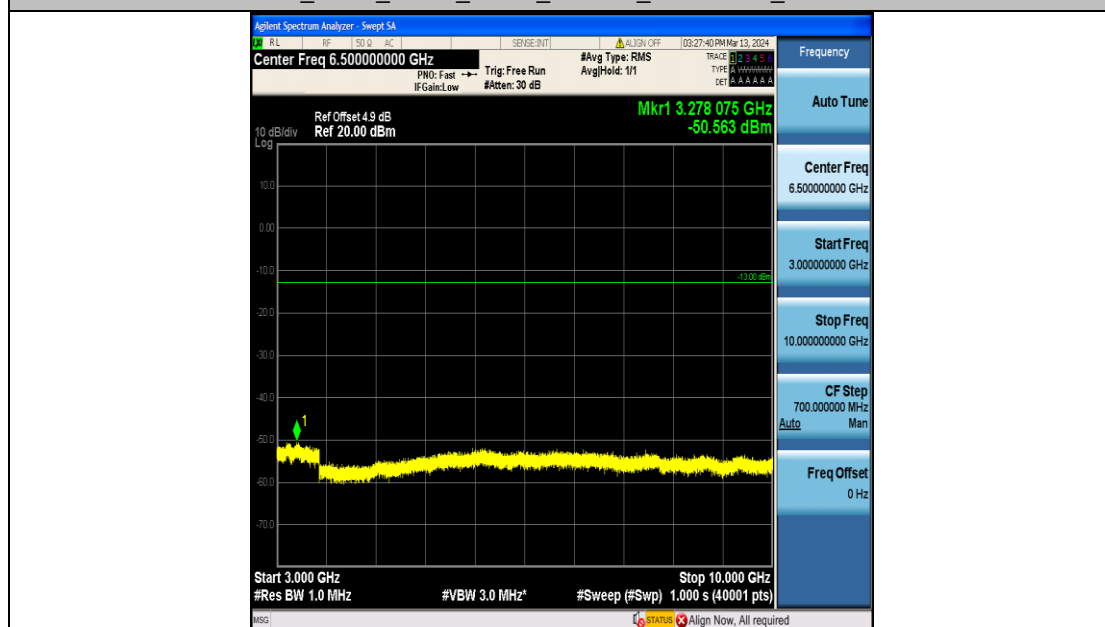
Test Graphs



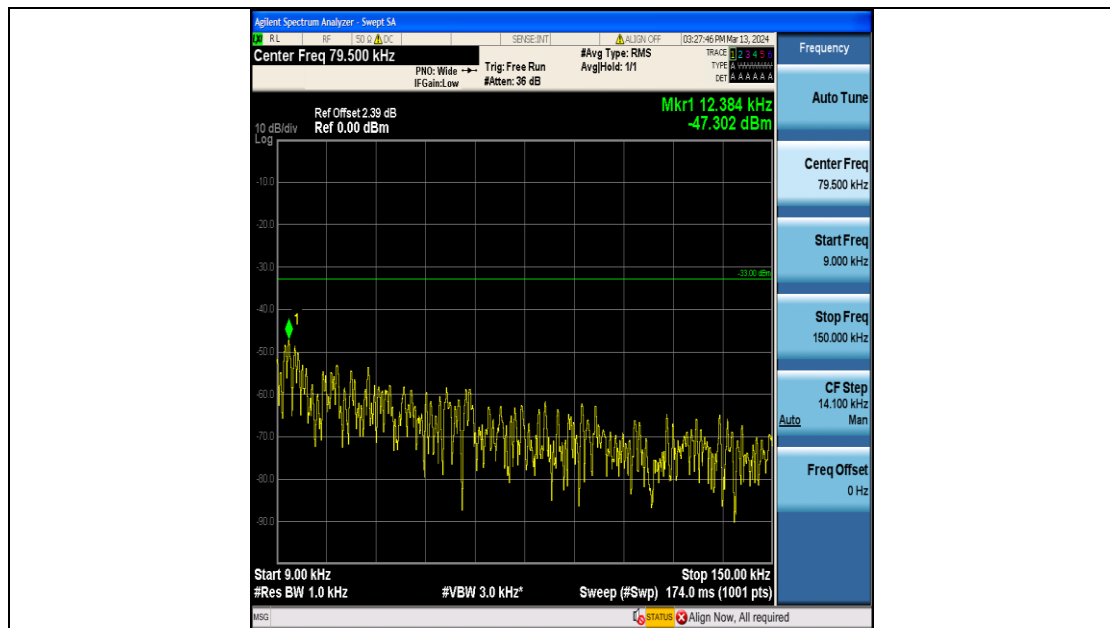




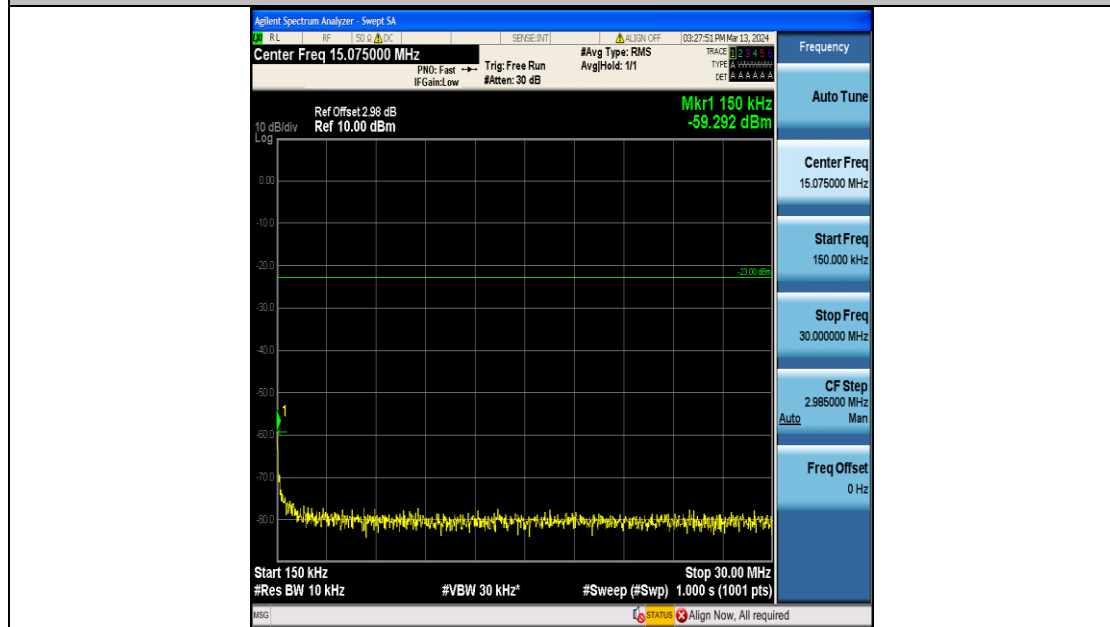
Band17_5MHz_QPSK_23755_25RB#0_1000~3000_1000~3000



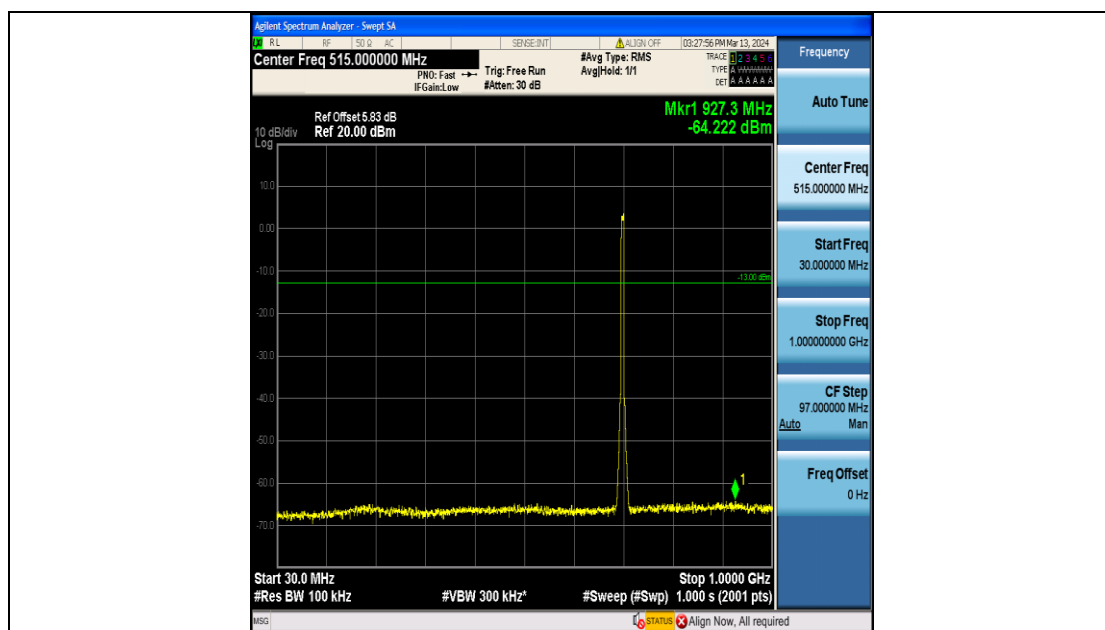
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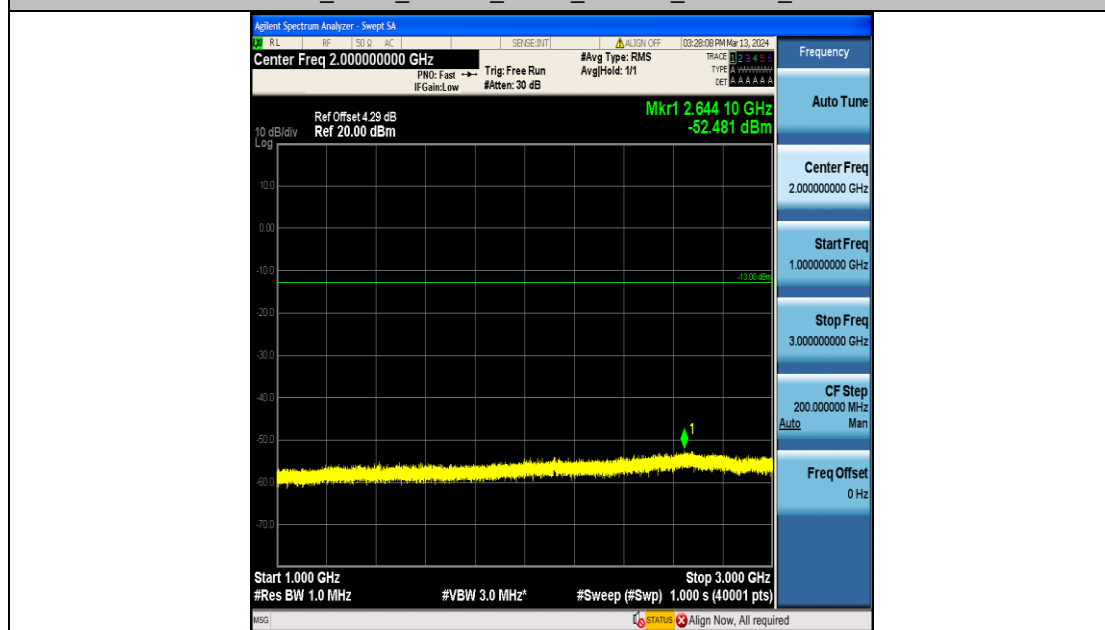
Band17_5MHz_16QAM_23755_25RB#0_0.009~0.15_0.009~0.15



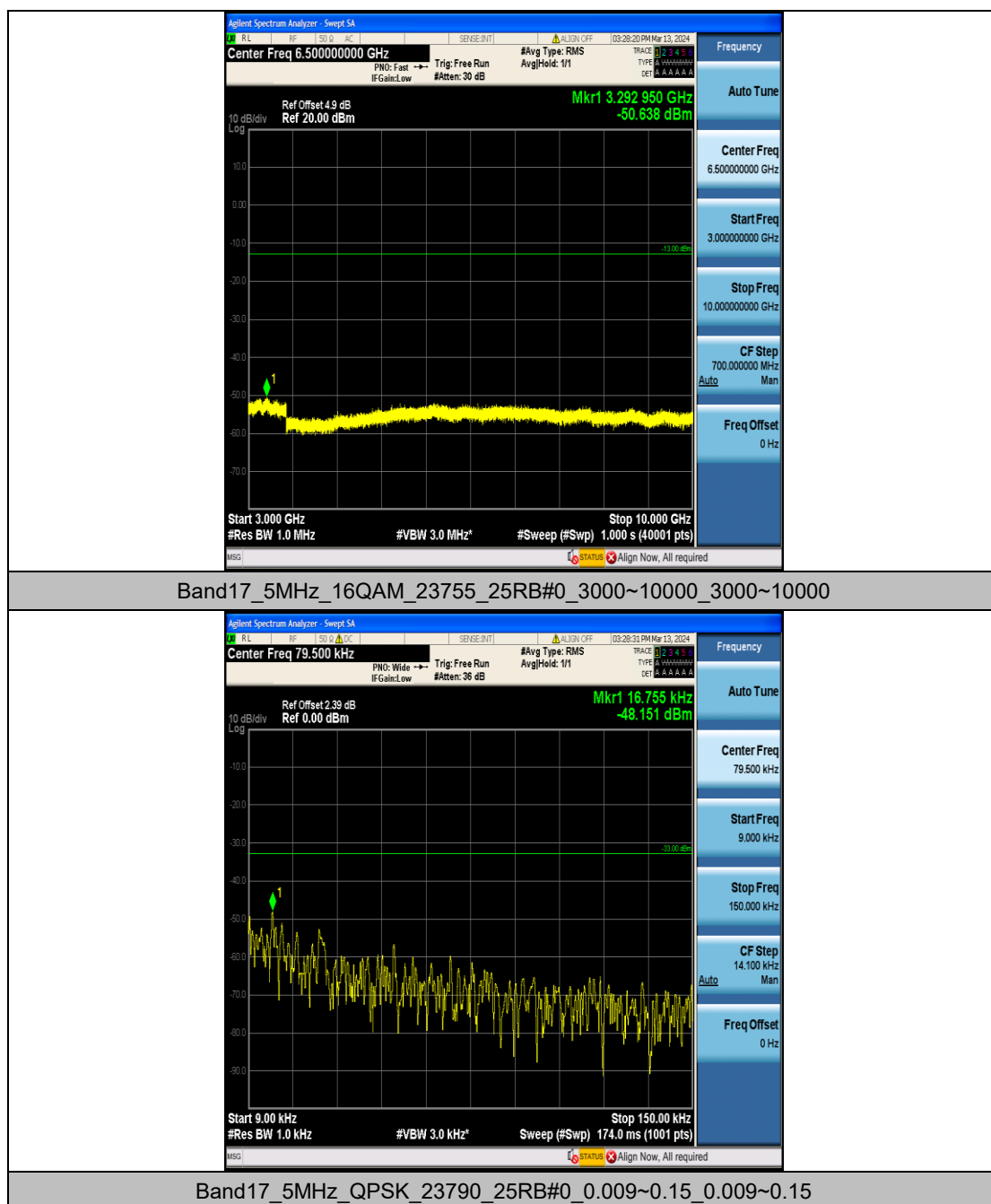
Band17_5MHz_16QAM_23755_25RB#0_0.15~30_0.15~30

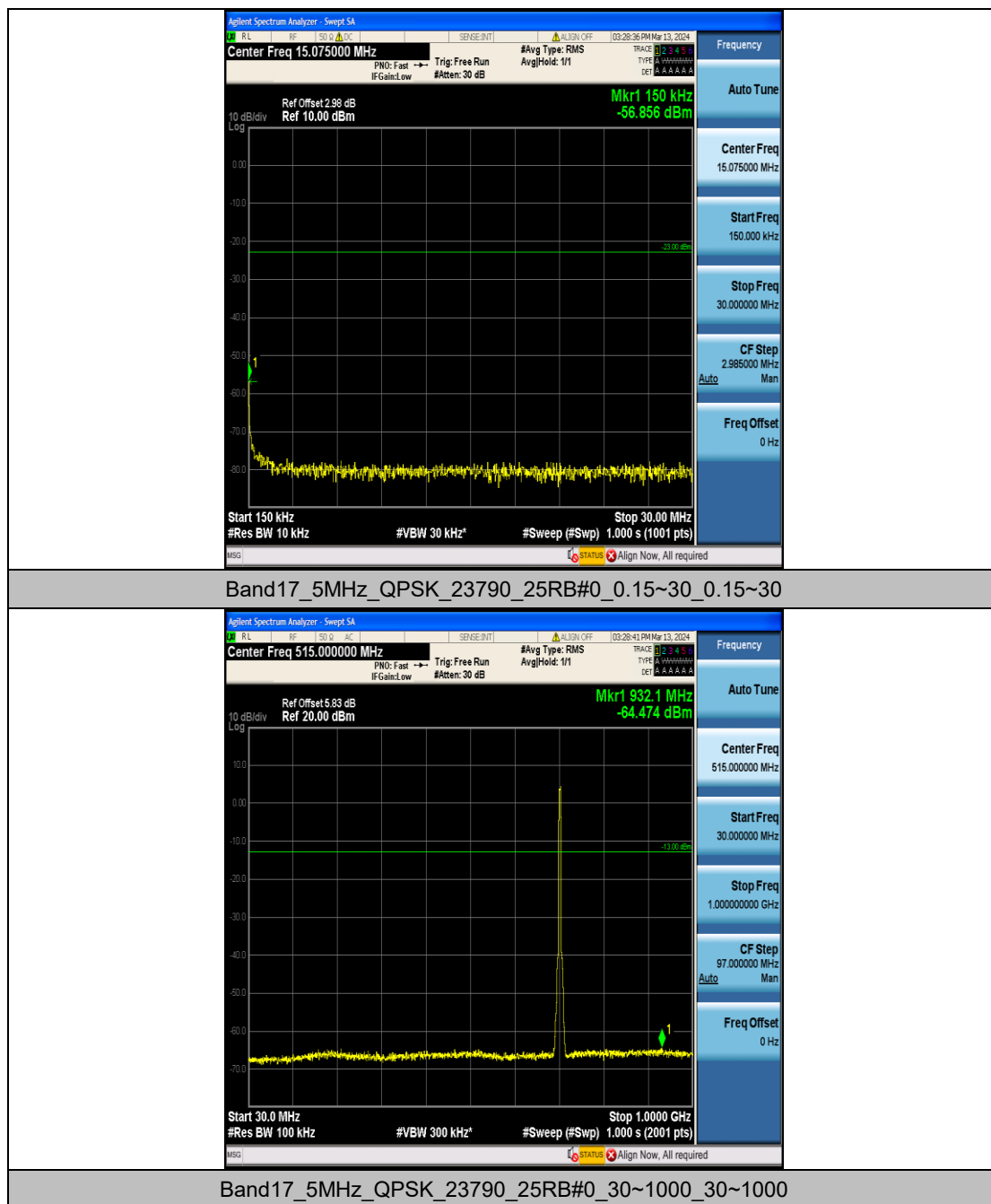


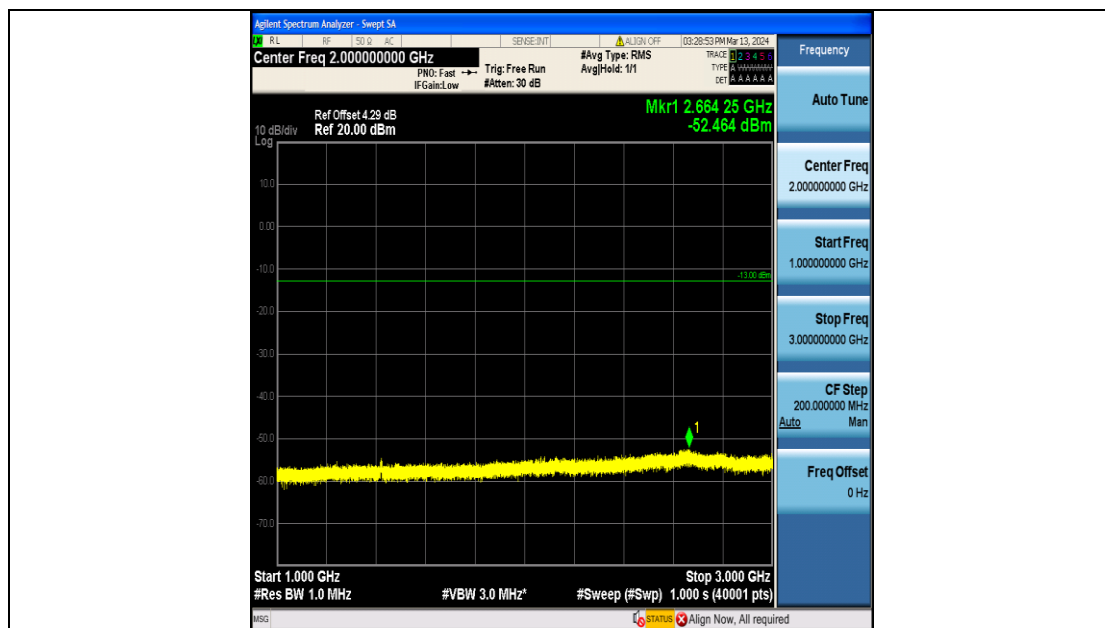
Band17_5MHz_16QAM_23755_25RB#0_30~1000_30~1000



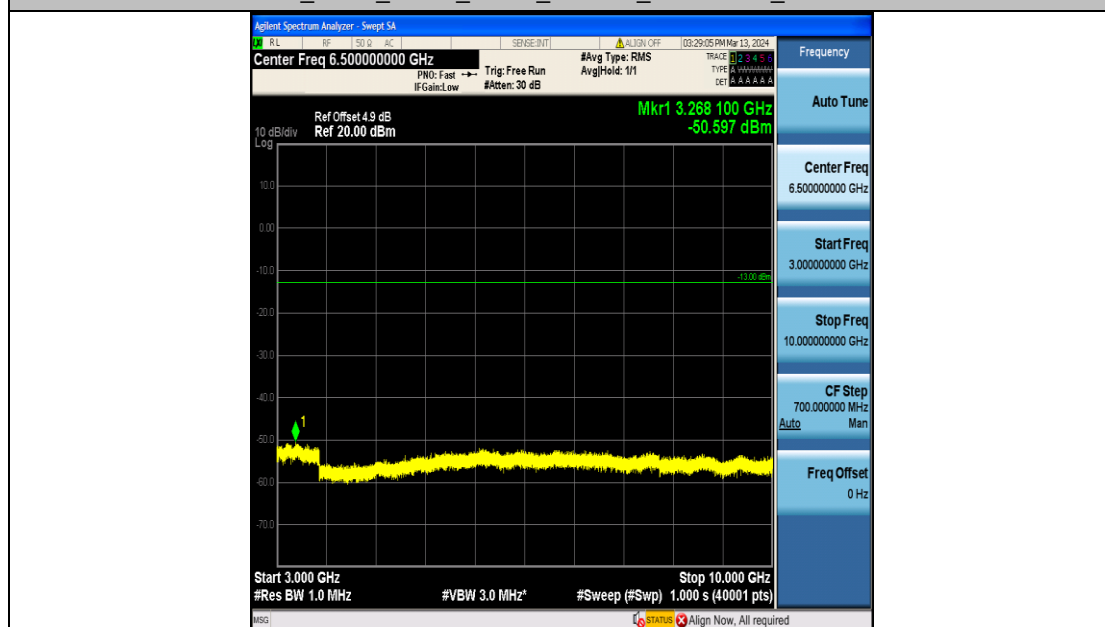
Band17_5MHz_16QAM_23755_25RB#0_1000~3000_1000~3000



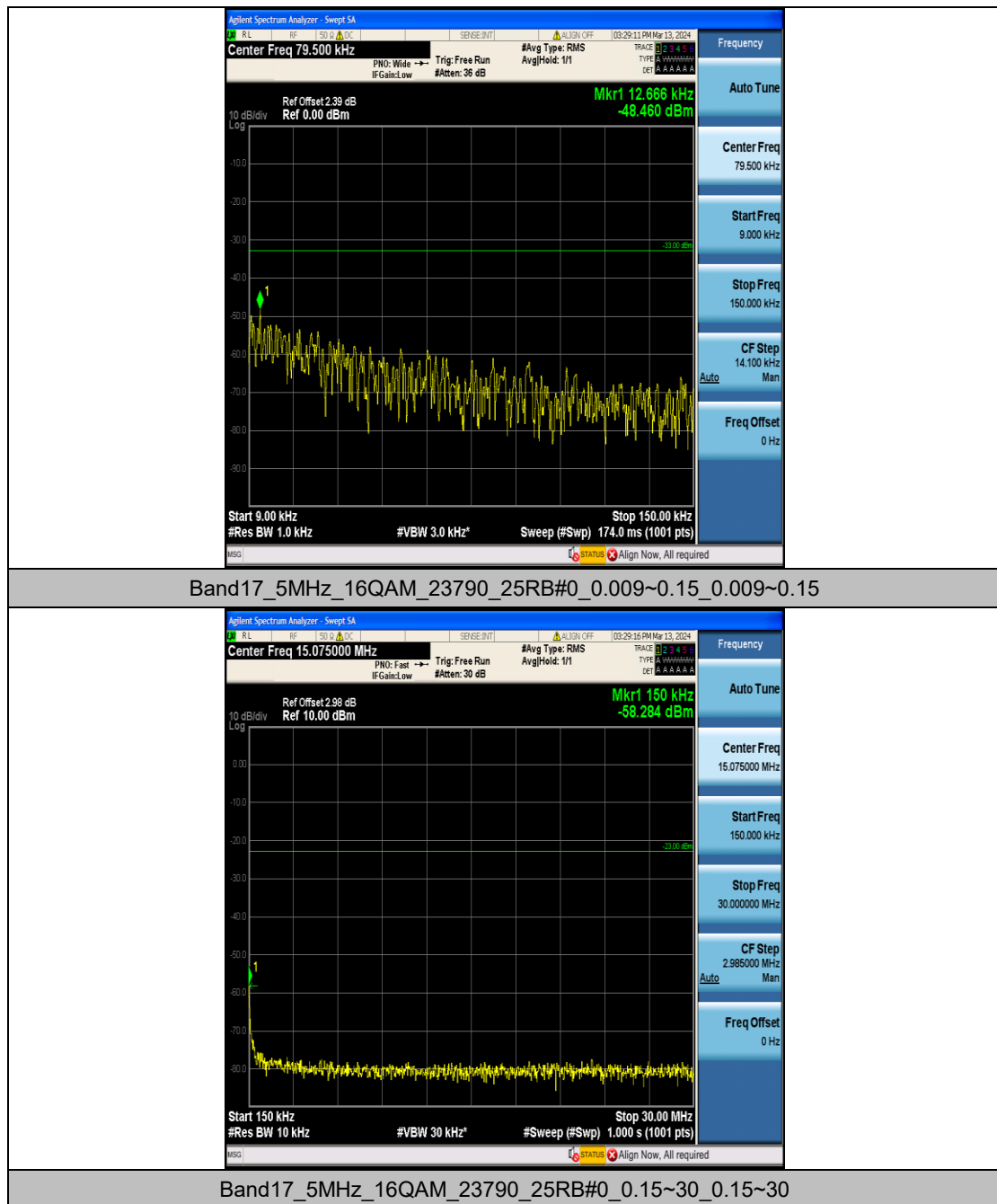


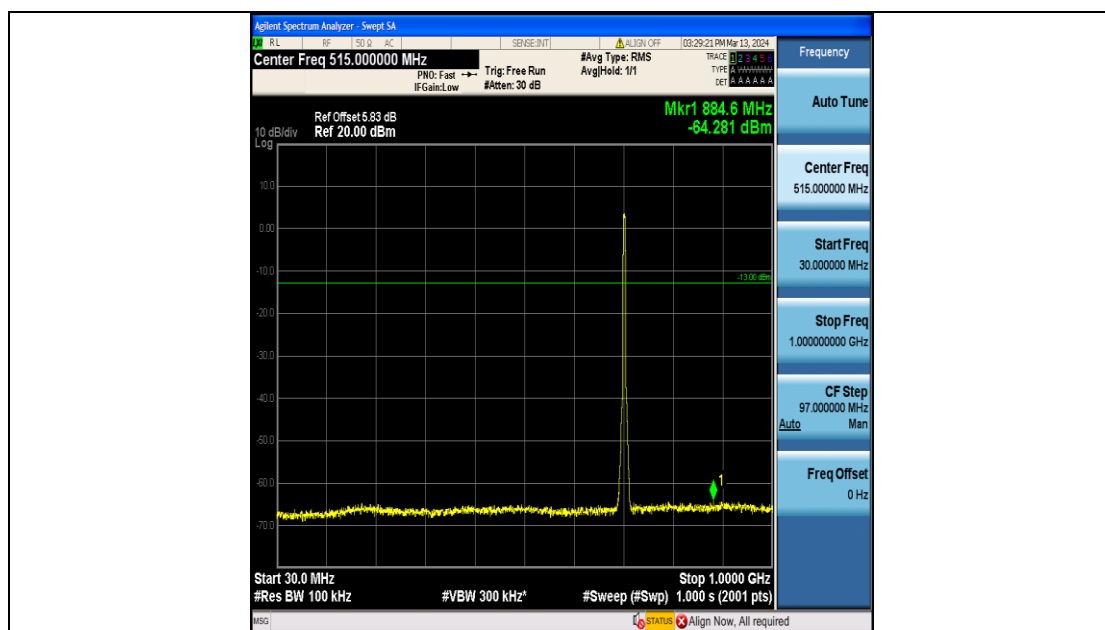


Band17_5MHz_QPSK_23790_25RB#0_1000~3000_1000~3000

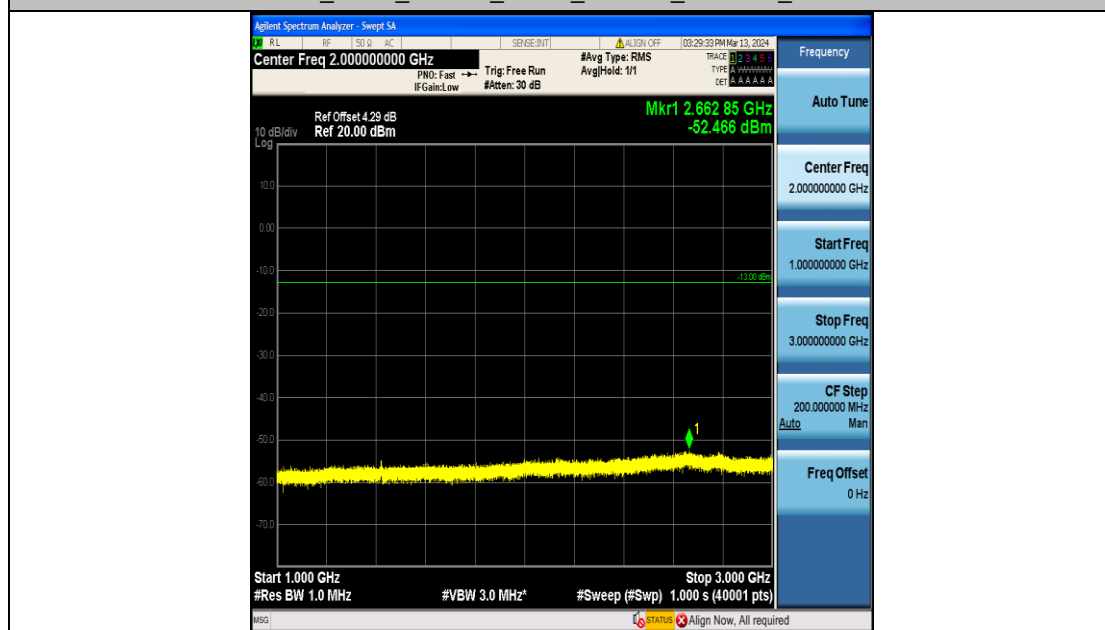


Band17_5MHz_QPSK_23790_25RB#0_3000~10000_3000~10000

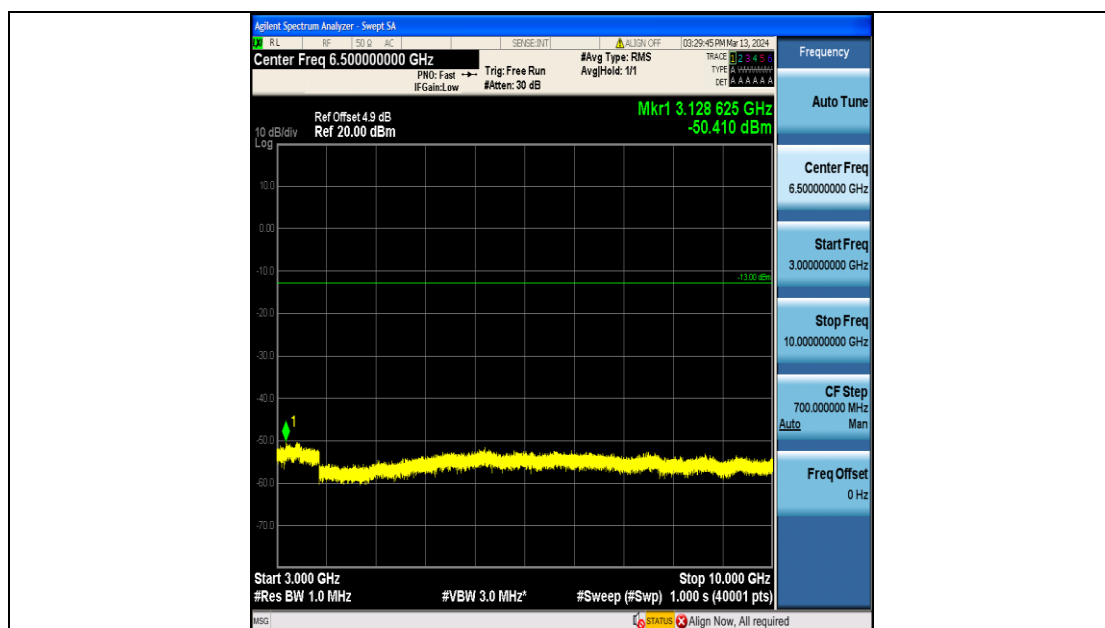




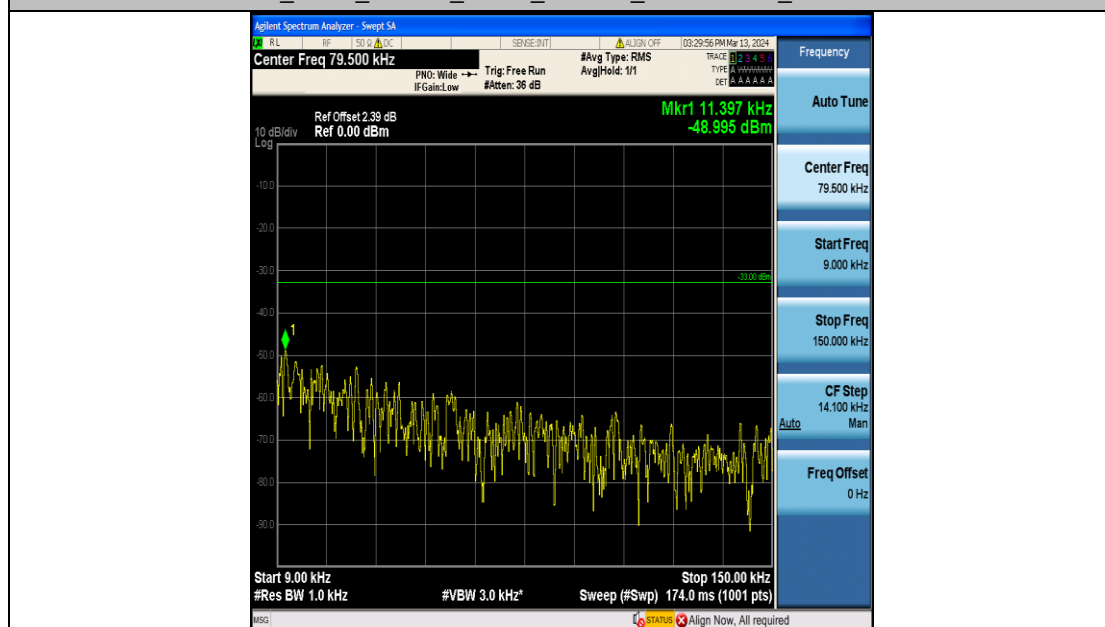
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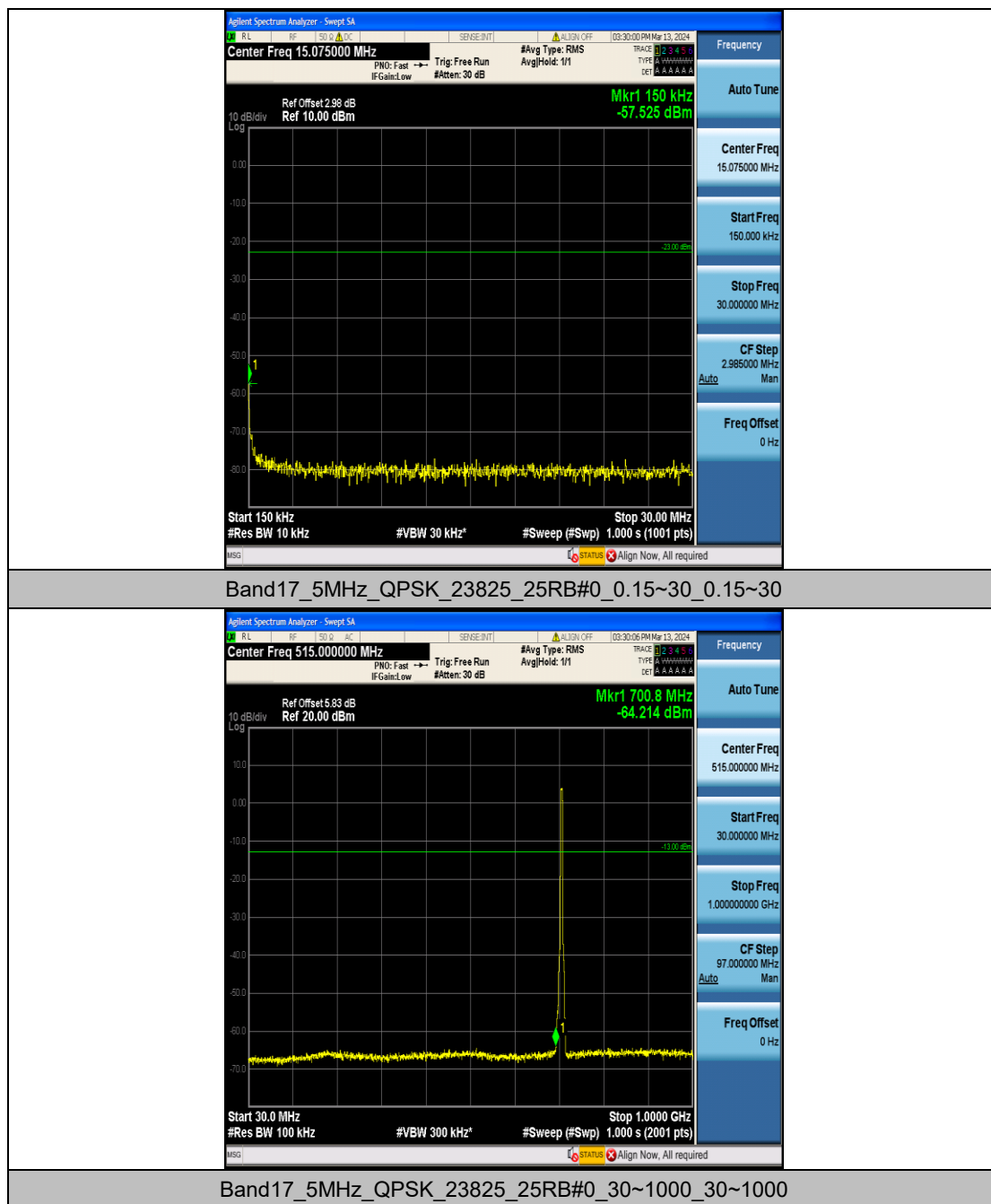
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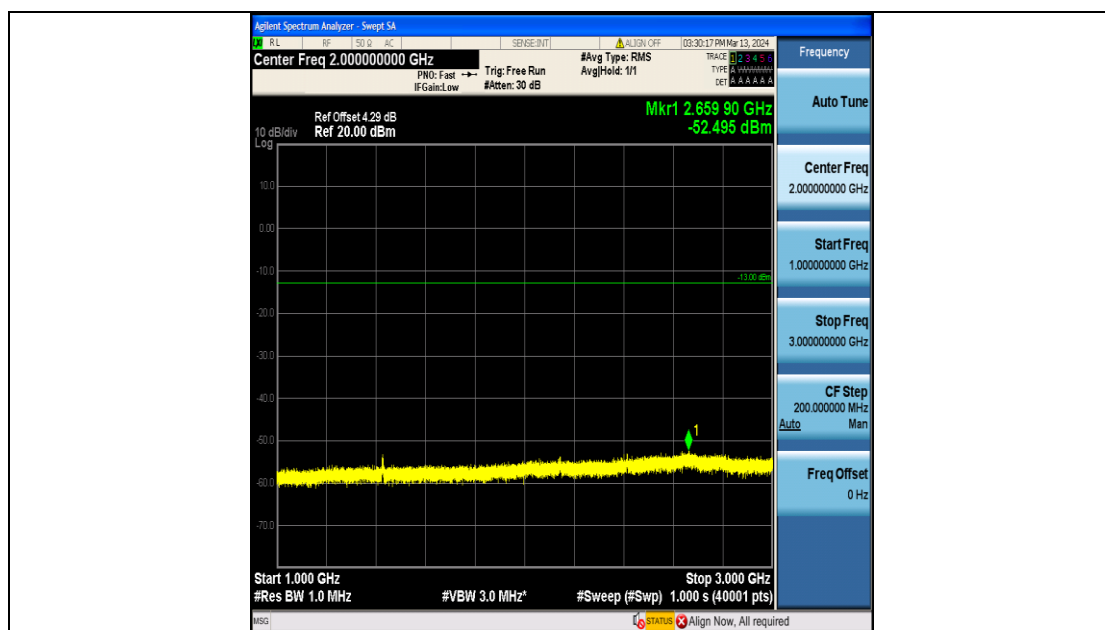


Band17_5MHz_16QAM_23790_25RB#0_3000~10000_3000~10000

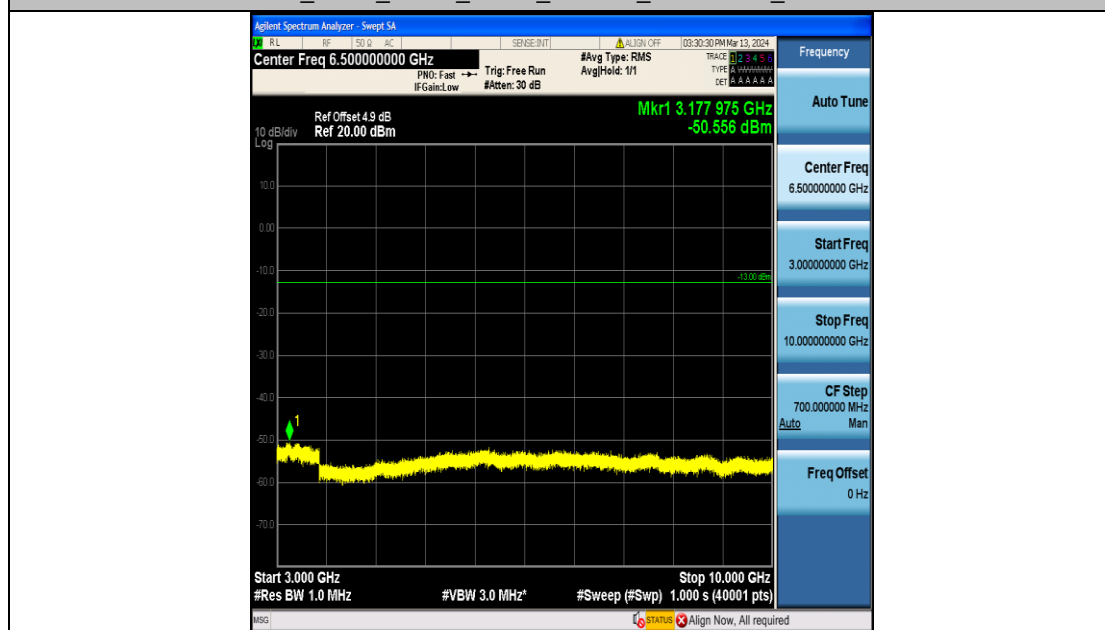


Band17_5MHz_QPSK_23825_25RB#0_0.009~0.15_0.009~0.15

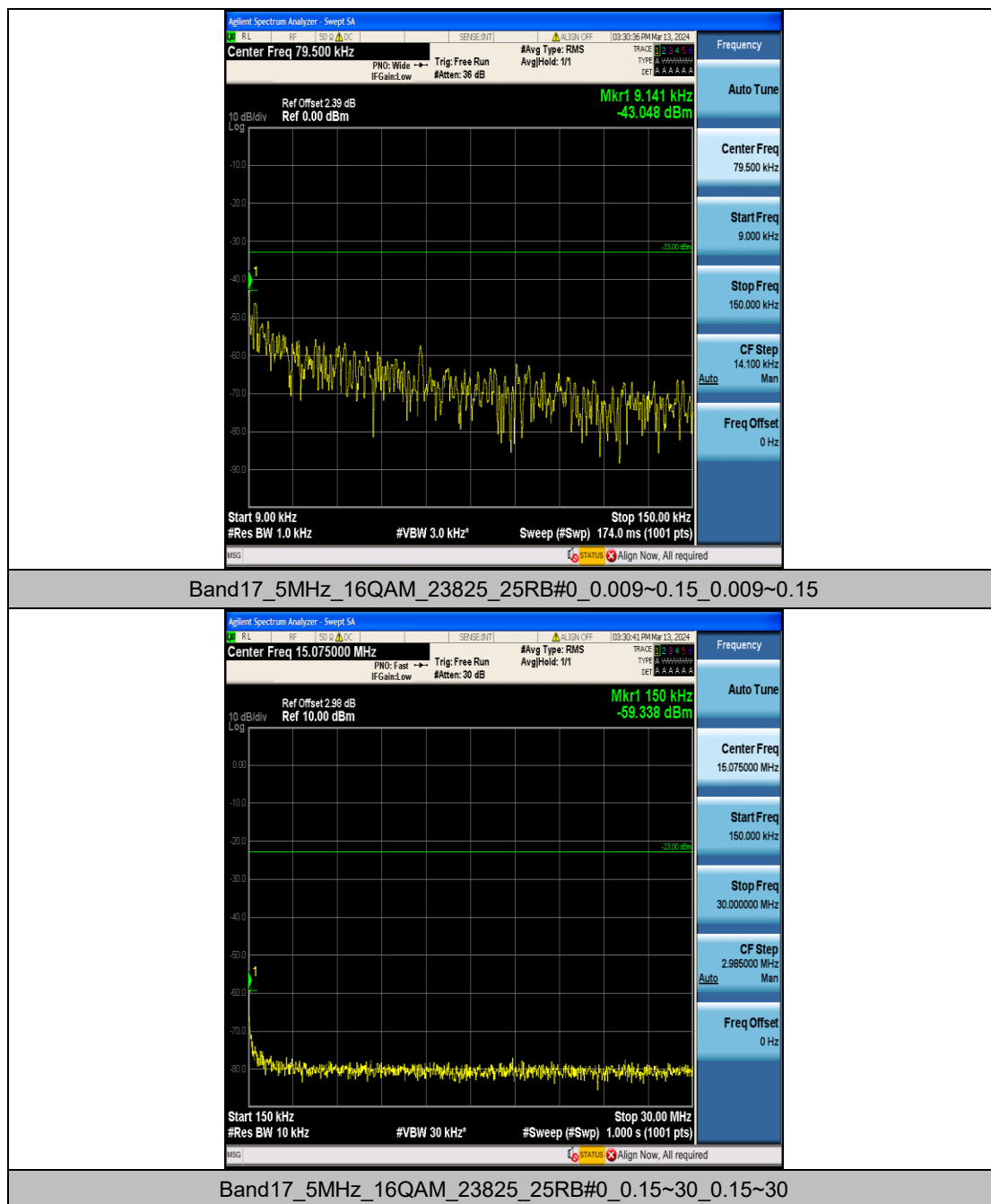


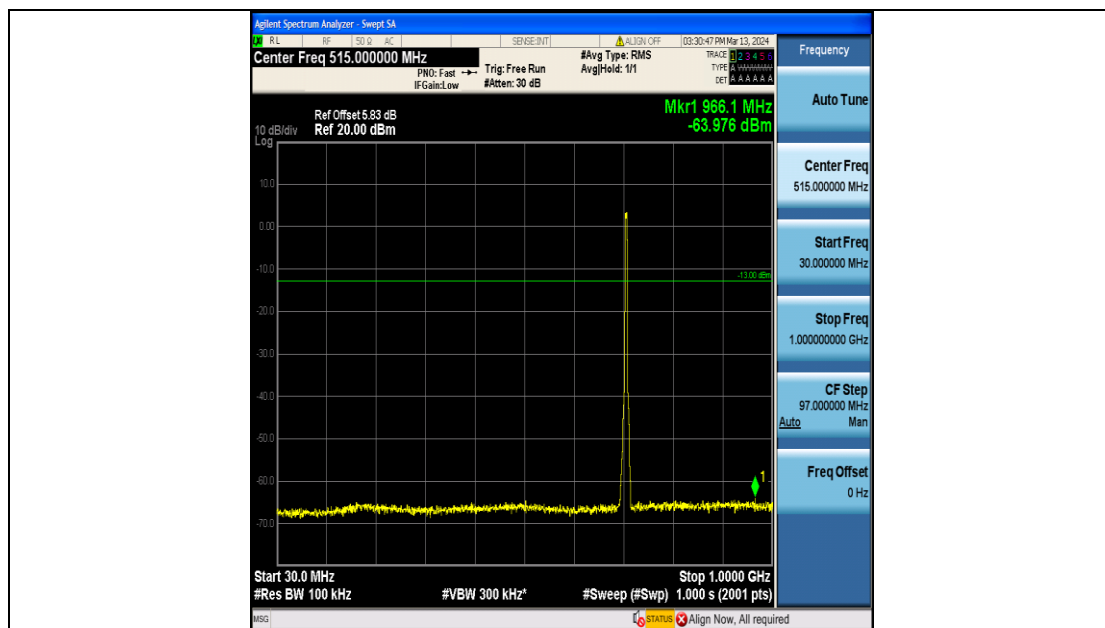


Band17_5MHz_QPSK_23825_25RB#0_1000~3000_1000~3000

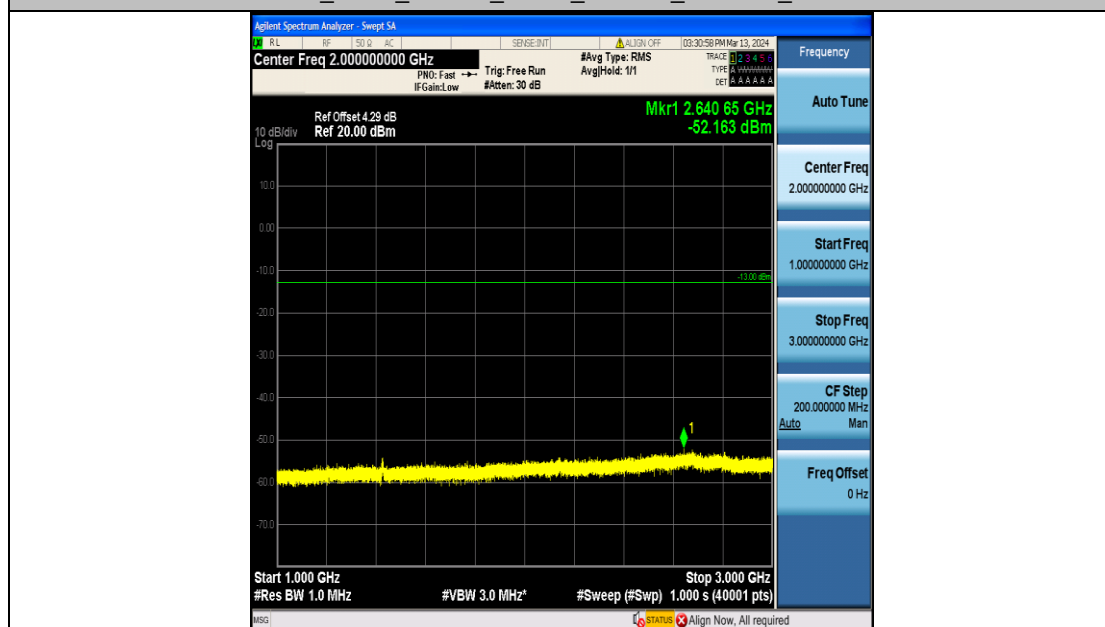


Band17_5MHz_QPSK_23825_25RB#0_3000~10000_3000~10000

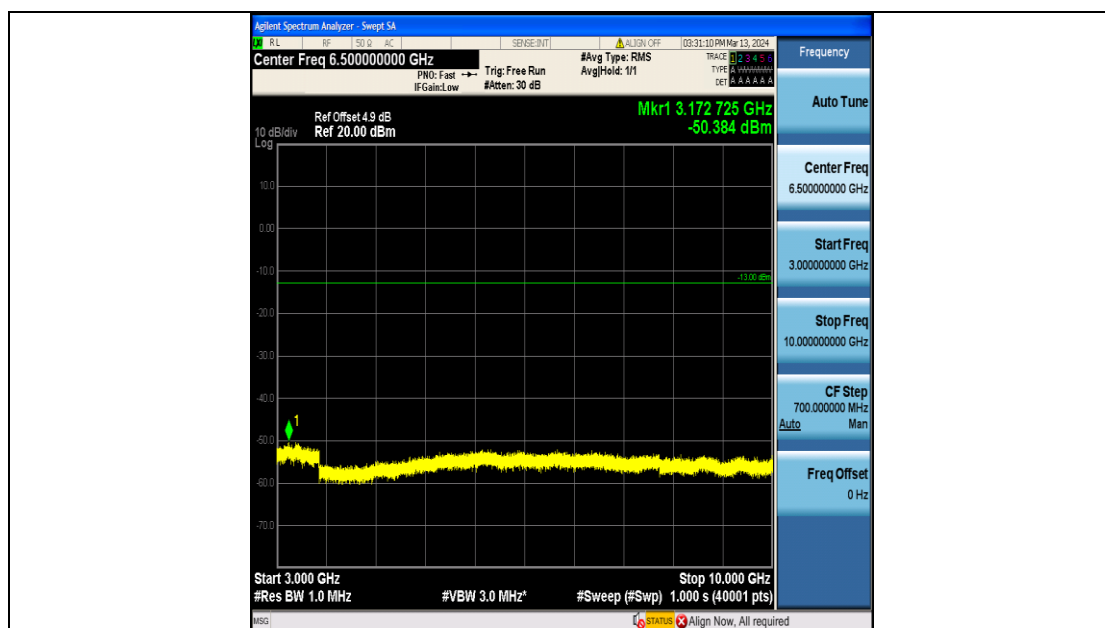




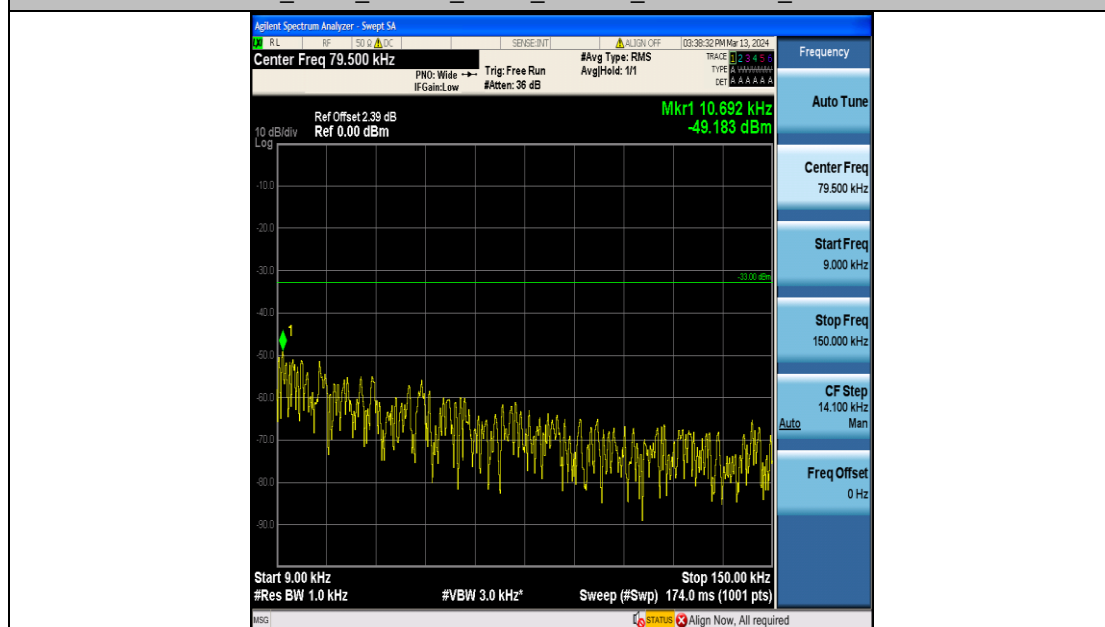
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Band17_5MHz_16QAM_23825_25RB#0_1000~3000_1000~3000



Band17_5MHz_16QAM_23825_25RB#0_3000~10000_3000~10000



Band17_10MHz_QPSK_23780_50RB#0_0.009~0.15_0.009~0.15