

Appendix I: Test Data for E-UTRA Band 13

Product Name: Portable Wireless Display Monitor

Test Model: AUSTA-A9

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.29	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.25	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.34	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.37	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.36	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.41	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.40	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.35	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.60	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.38	PASS
Band13	5MHz	16QAM	23205	12RB#0	23.39	PASS
Band13	5MHz	16QAM	23205	12RB#6	23.49	PASS
Band13	5MHz	16QAM	23205	12RB#13	23.40	PASS
Band13	5MHz	16QAM	23205	25RB#0	23.42	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.37	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.15	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.37	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.38	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.33	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.37	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.35	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.14	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.46	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.14	PASS
Band13	5MHz	16QAM	23230	12RB#0	23.30	PASS
Band13	5MHz	16QAM	23230	12RB#6	23.28	PASS
Band13	5MHz	16QAM	23230	12RB#13	23.33	PASS
Band13	5MHz	16QAM	23230	25RB#0	23.42	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.29	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.04	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.23	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.39	PASS
Band13	5MHz	QPSK	23255	12RB#6	23.46	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.38	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.40	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.37	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.60	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.44	PASS
Band13	5MHz	16QAM	23255	12RB#0	23.40	PASS

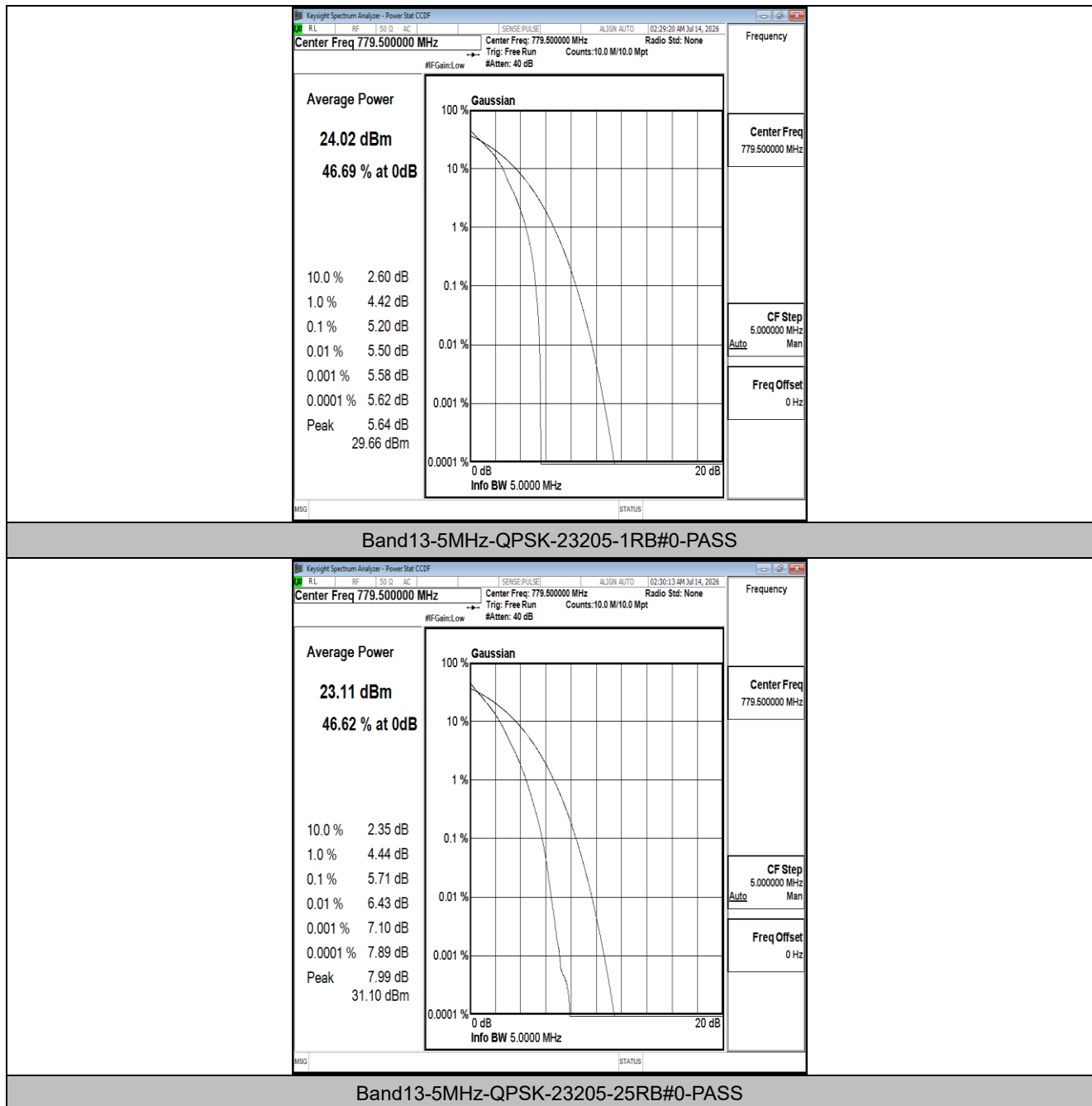
Band13	5MHz	16QAM	23255	12RB#6	23.58	PASS
Band13	5MHz	16QAM	23255	12RB#13	23.45	PASS
Band13	5MHz	16QAM	23255	25RB#0	23.34	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.23	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.17	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.30	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.34	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.37	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.36	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.33	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.39	PASS
Band13	10MHz	16QAM	23230	1RB#24	24.05	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.58	PASS
Band13	10MHz	16QAM	23230	25RB#0	23.44	PASS
Band13	10MHz	16QAM	23230	25RB#12	23.40	PASS
Band13	10MHz	16QAM	23230	25RB#25	23.54	PASS
Band13	10MHz	16QAM	23230	50RB#0	23.42	PASS

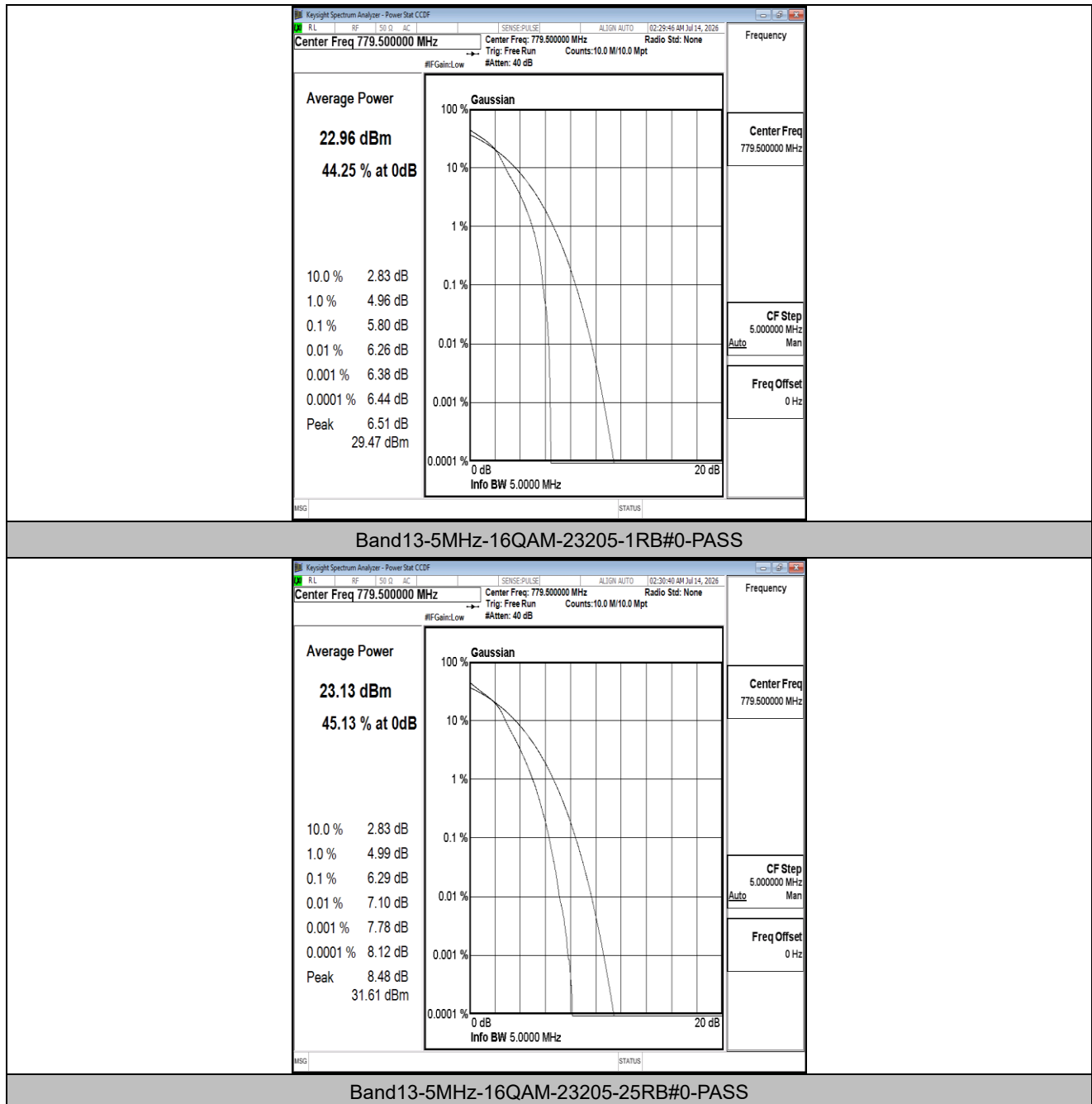
I.2 Peak-to-Average Ratio (CCDF)

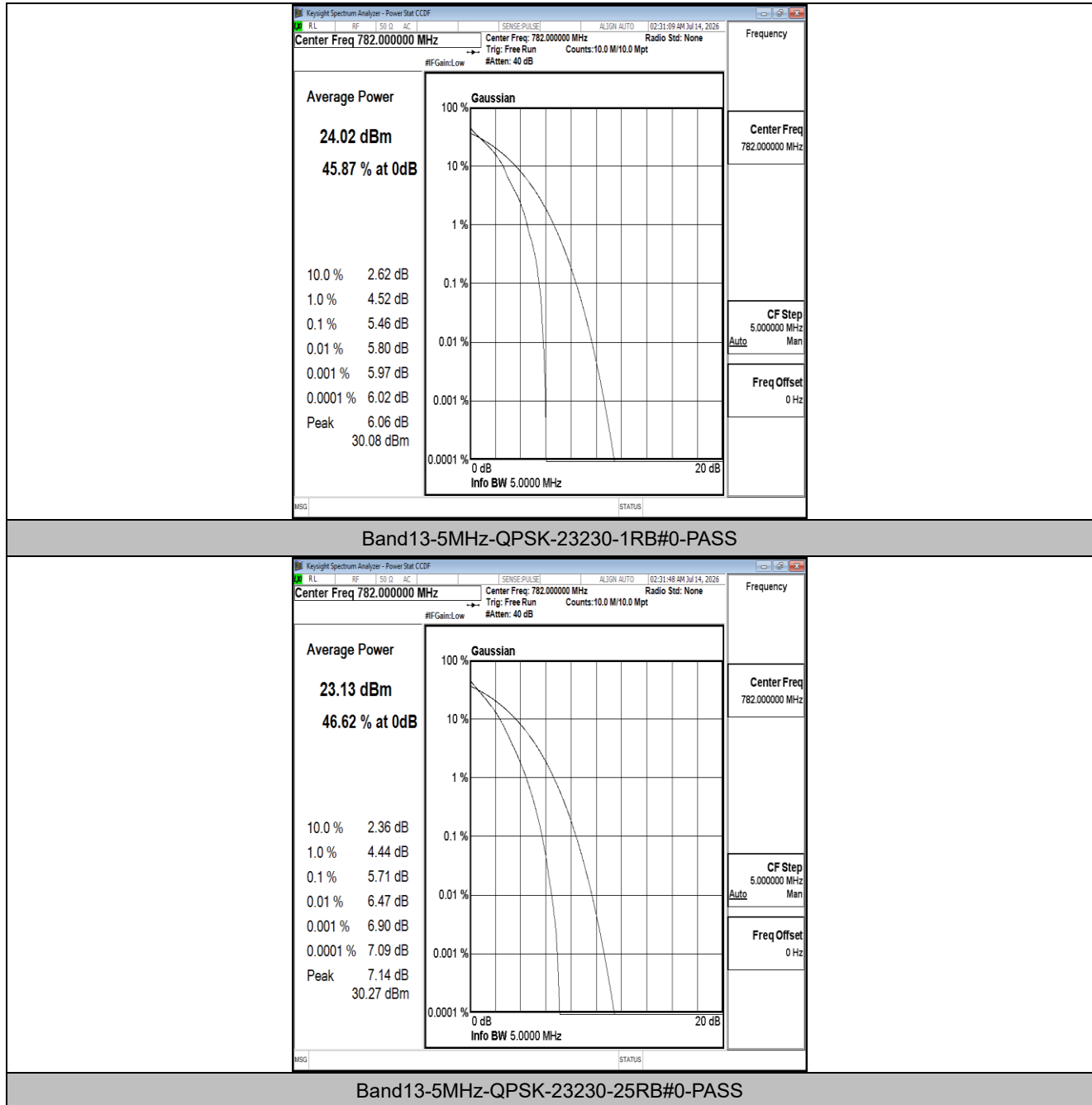
Test Result

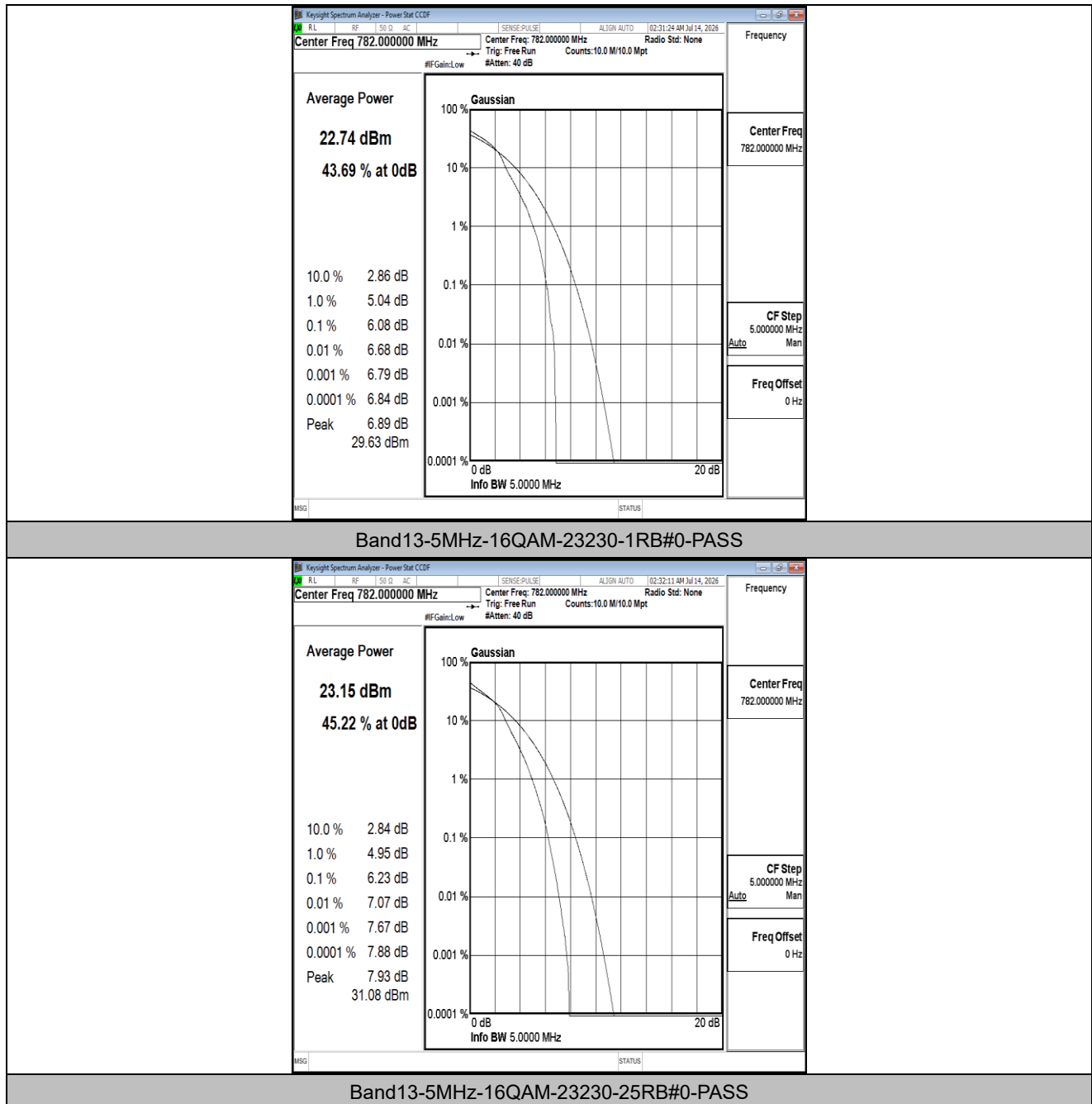
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	5.20	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.71	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.80	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.29	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.46	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.71	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.08	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.23	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.14	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.66	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.94	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.22	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	5.10	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.60	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.82	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.27	13	PASS

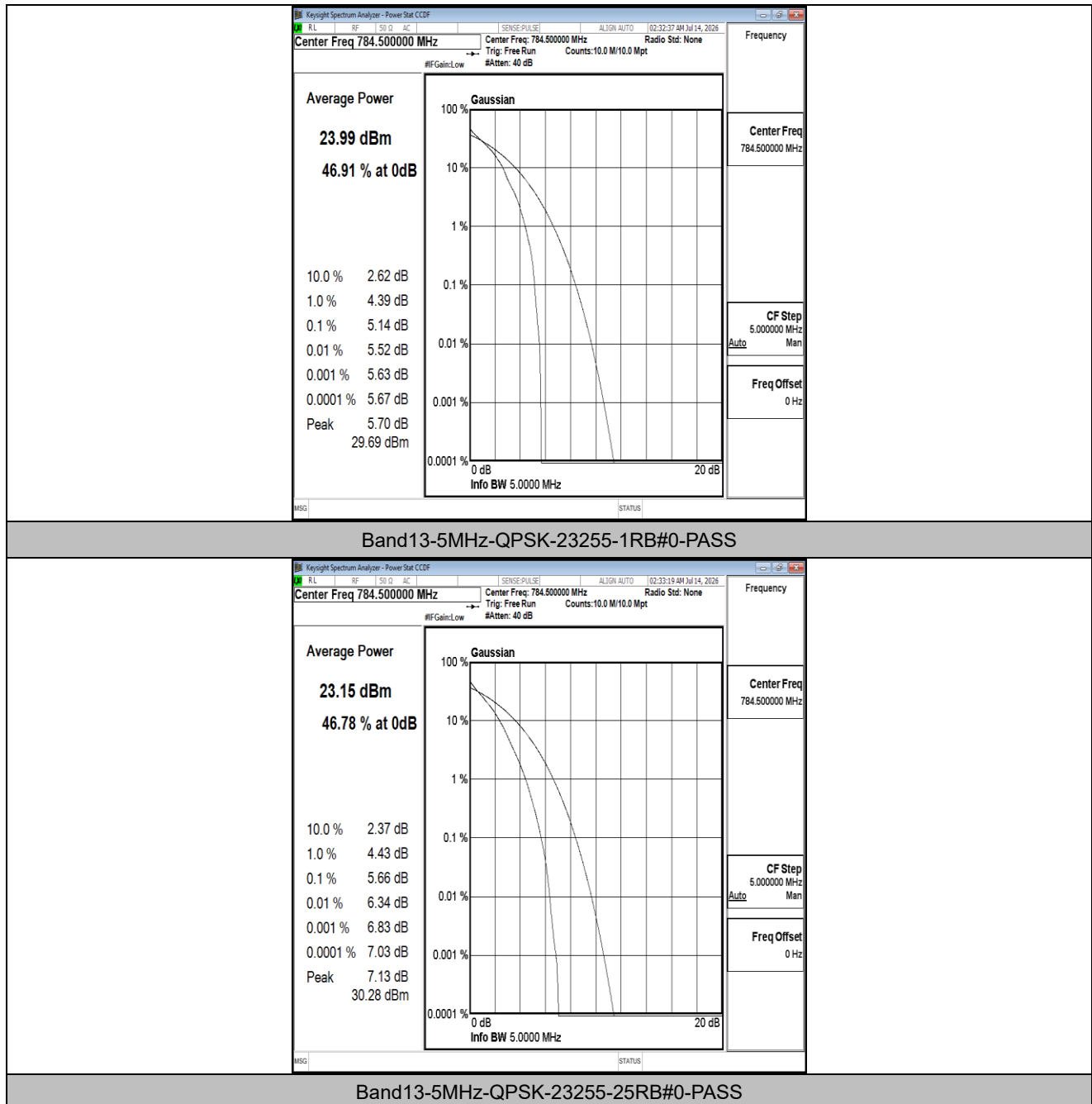
Test Graphs

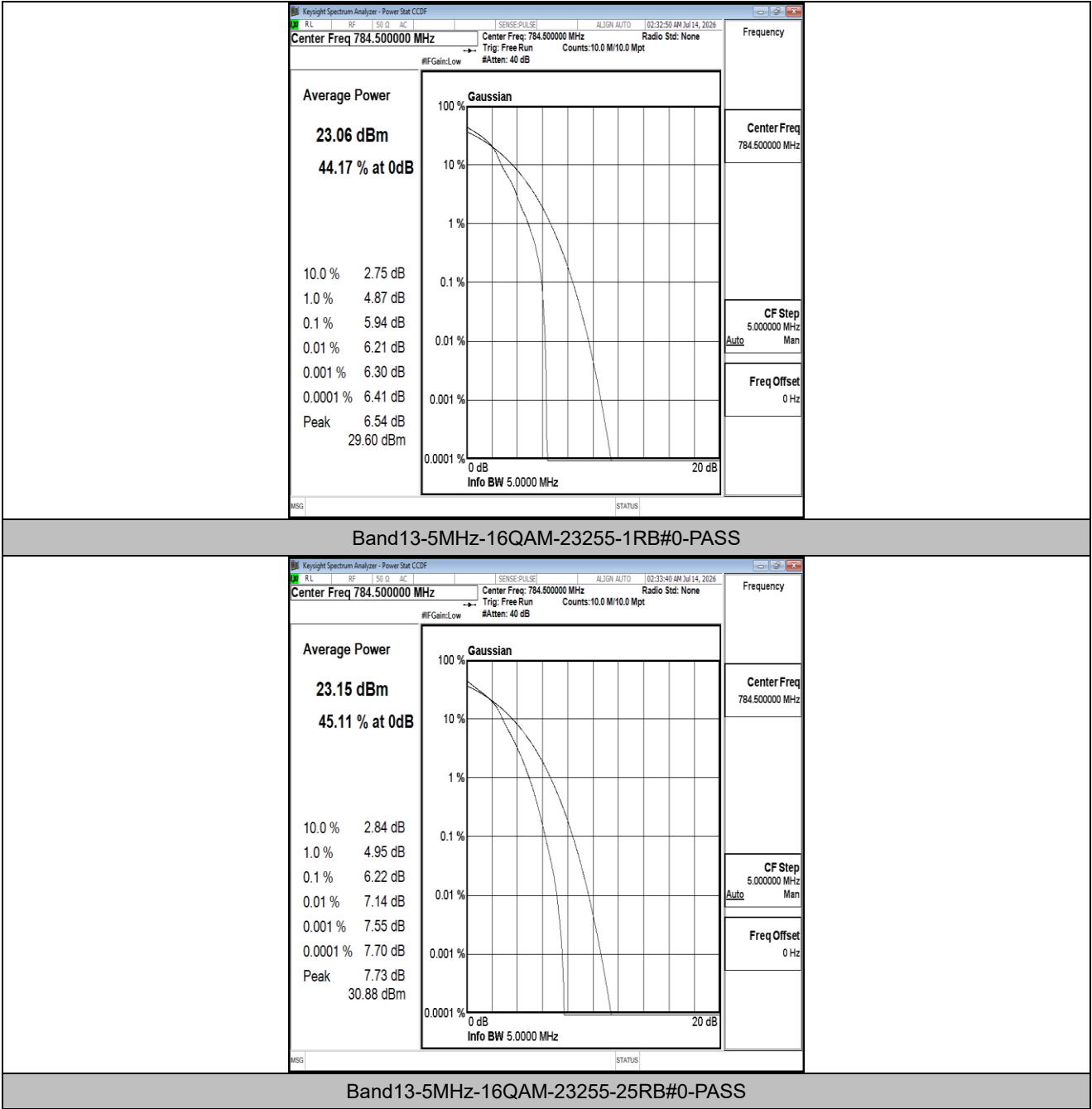


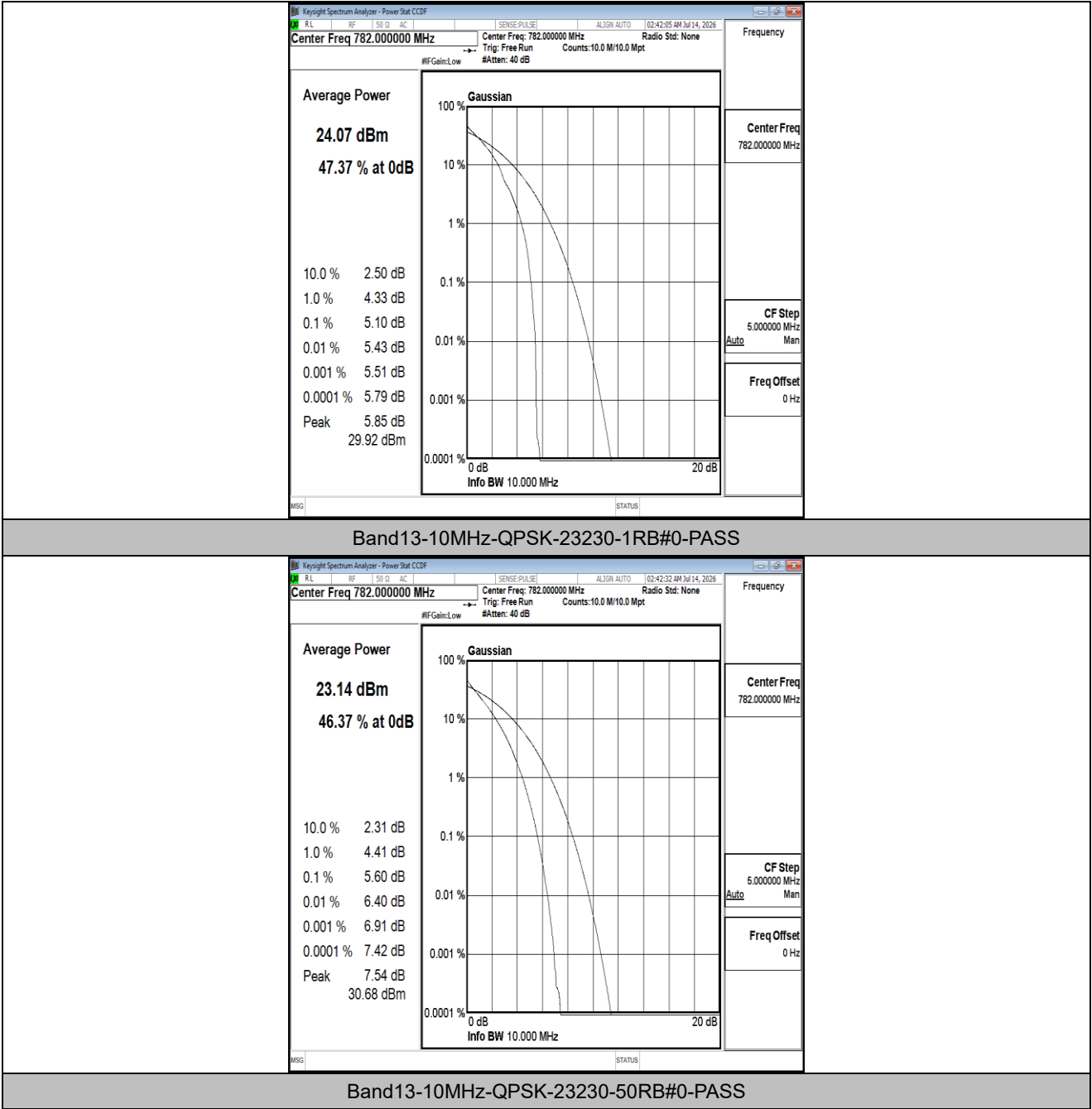


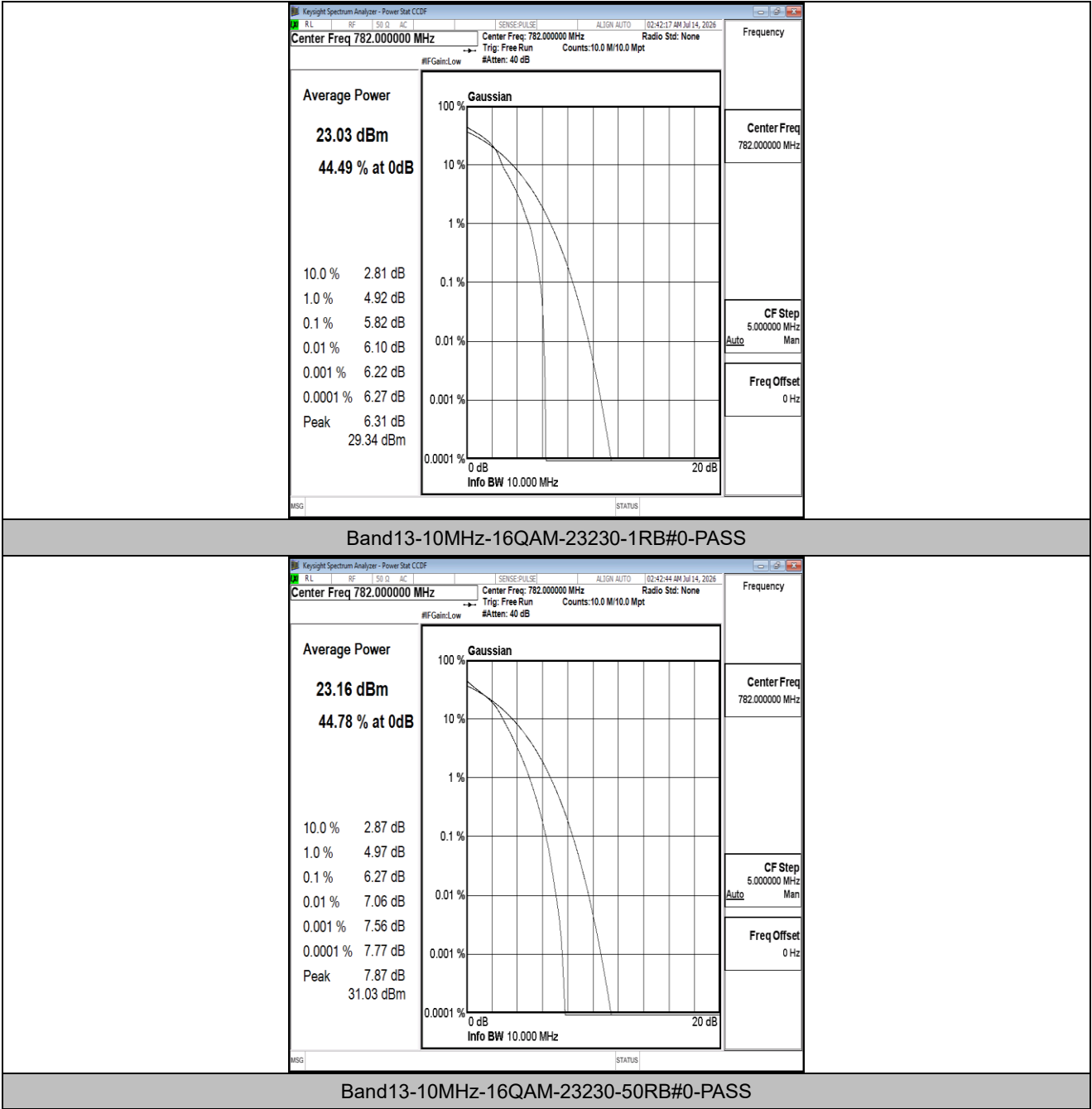










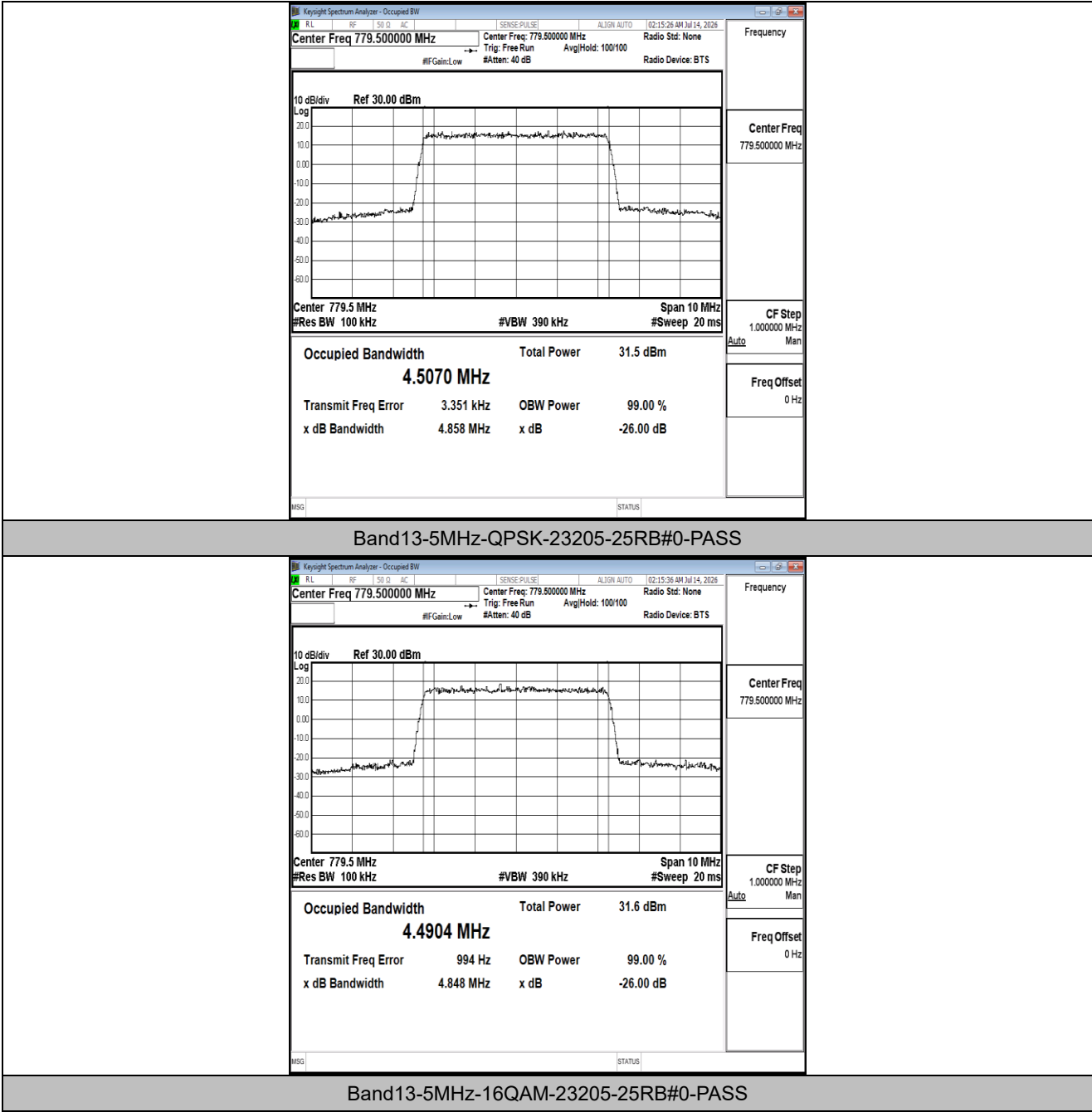


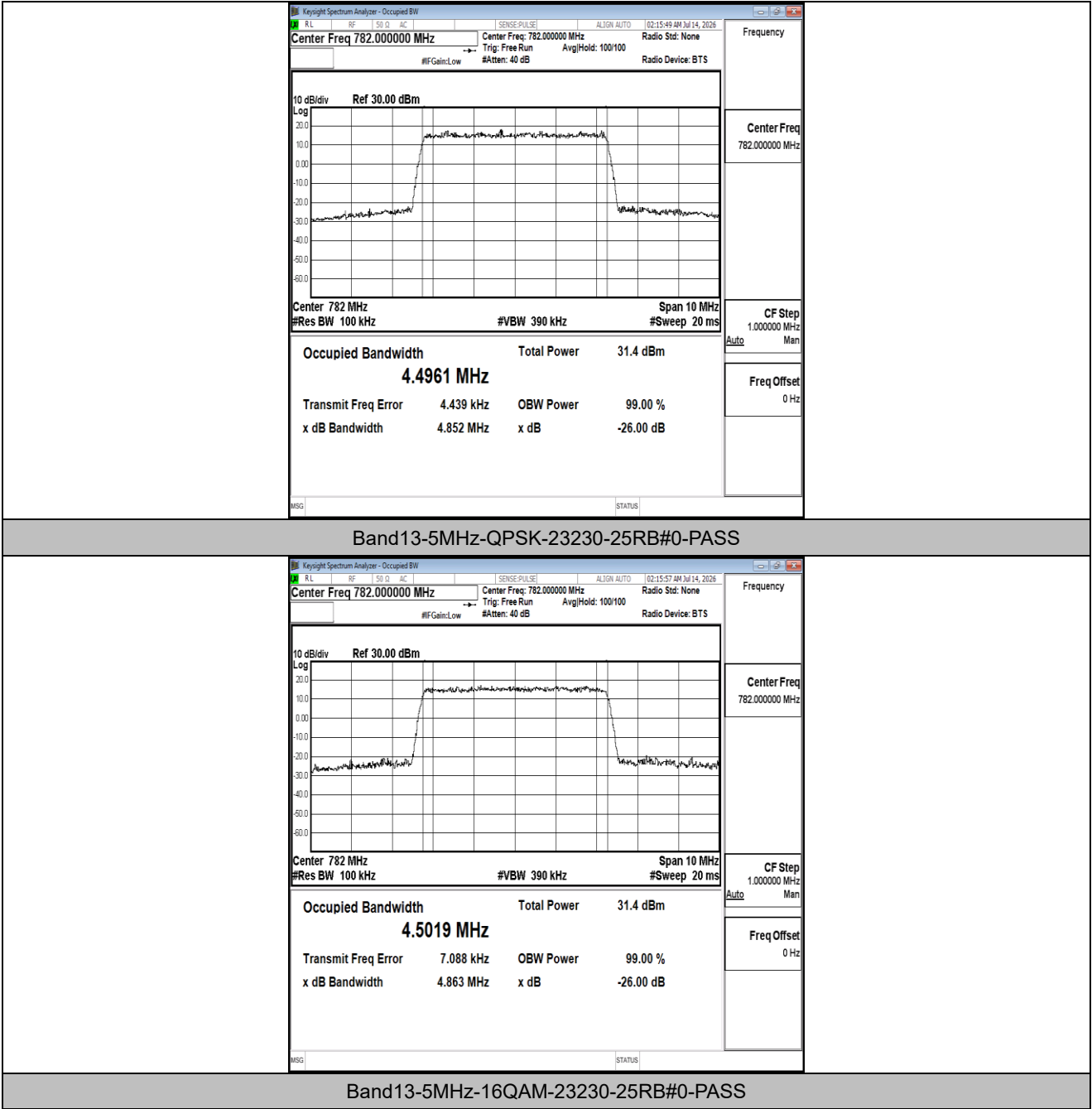
I.3 26dB Bandwidth and Occupied Bandwidth

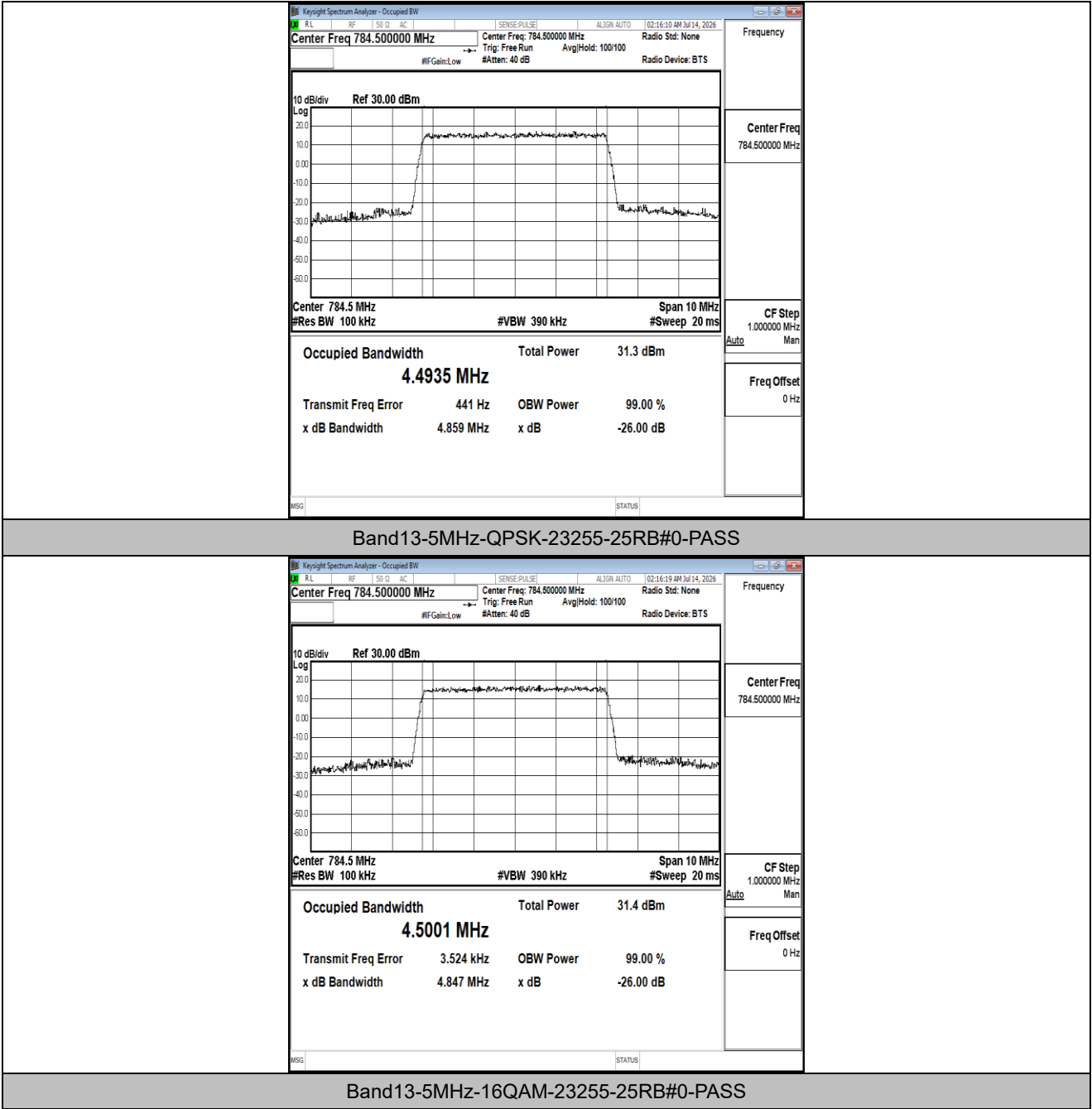
Test Result

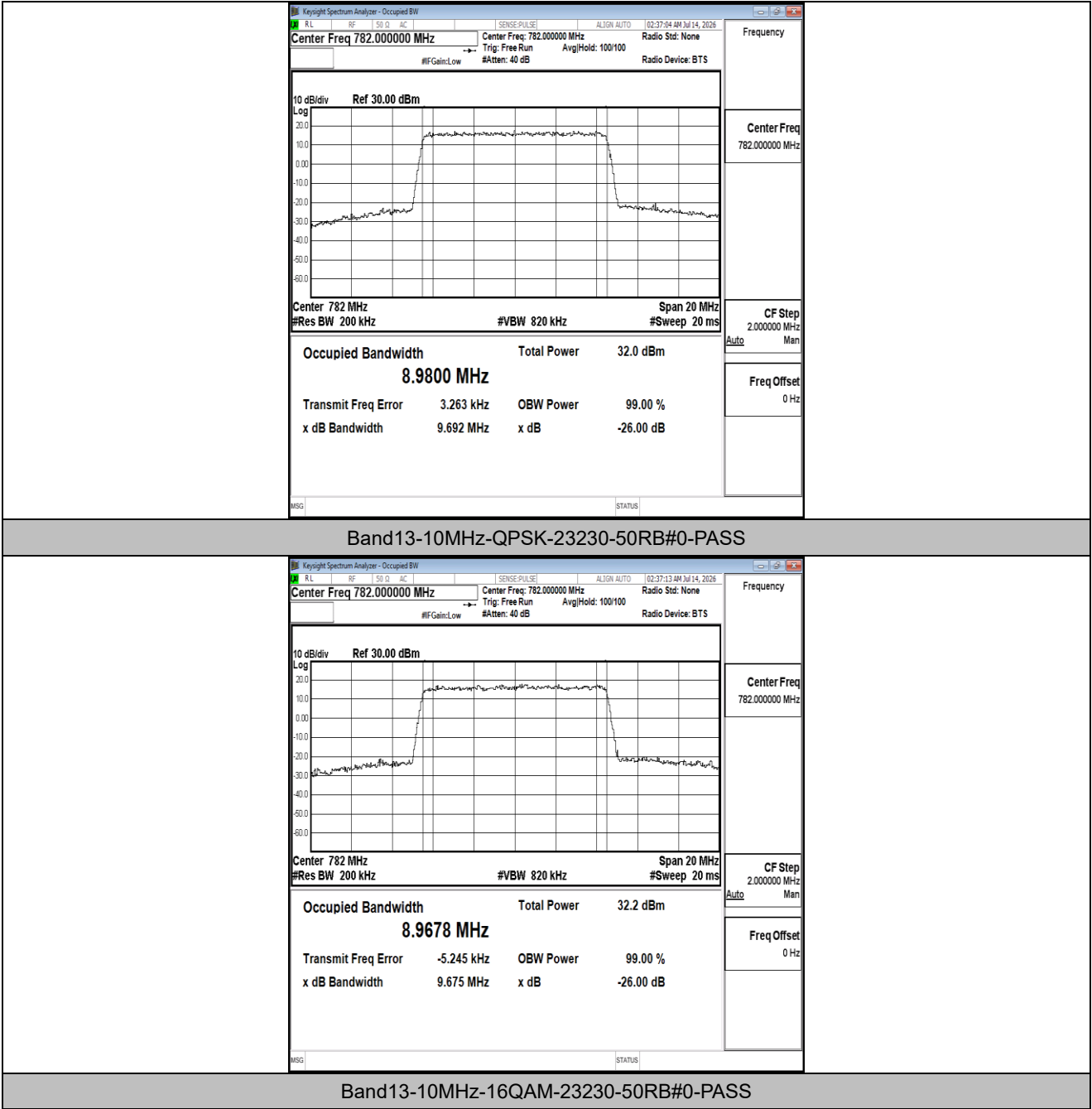
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5070	4.858	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4904	4.848	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4961	4.852	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5019	4.863	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4935	4.859	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5001	4.847	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9800	9.692	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9678	9.675	PASS

Test Graphs







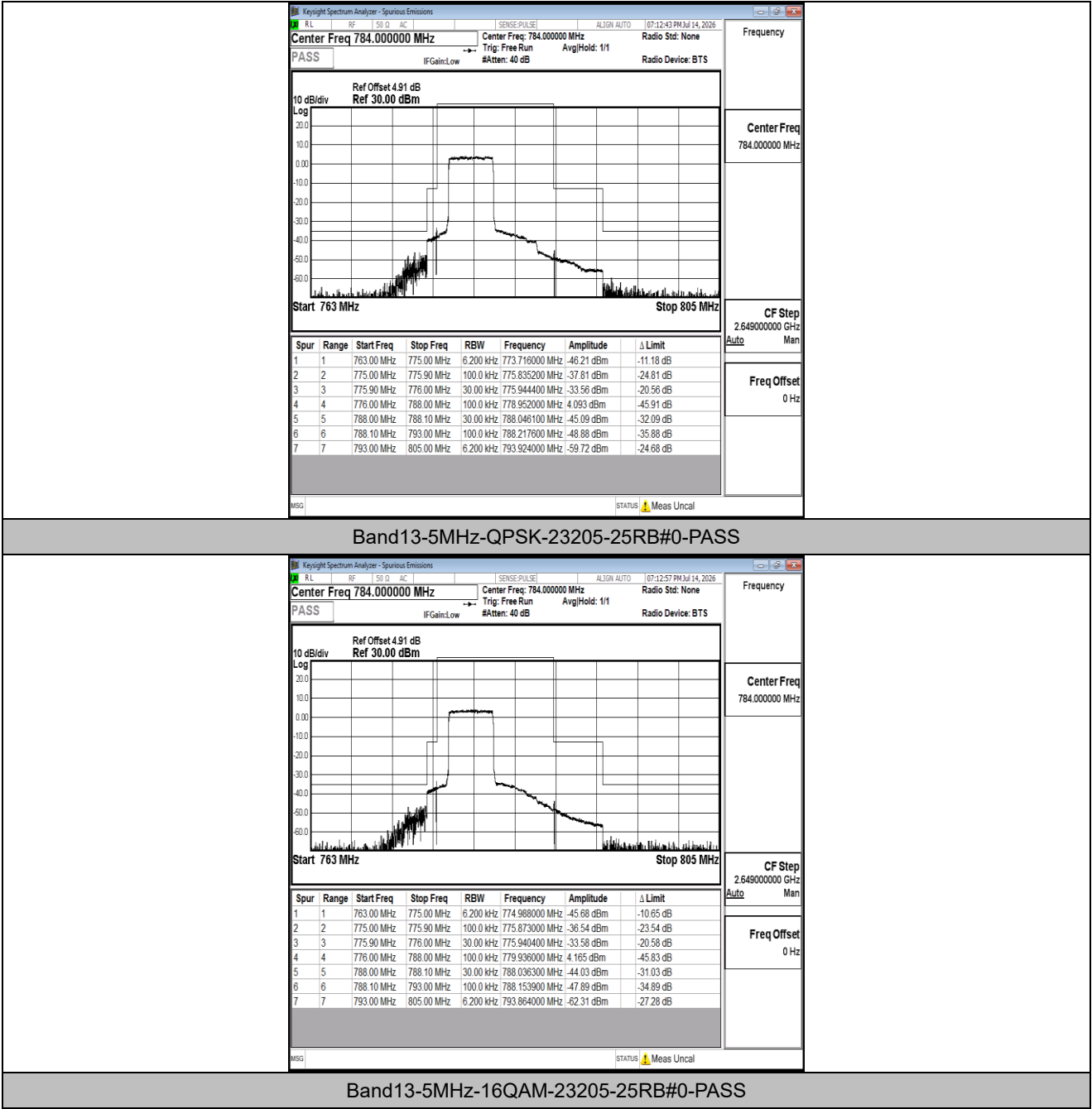


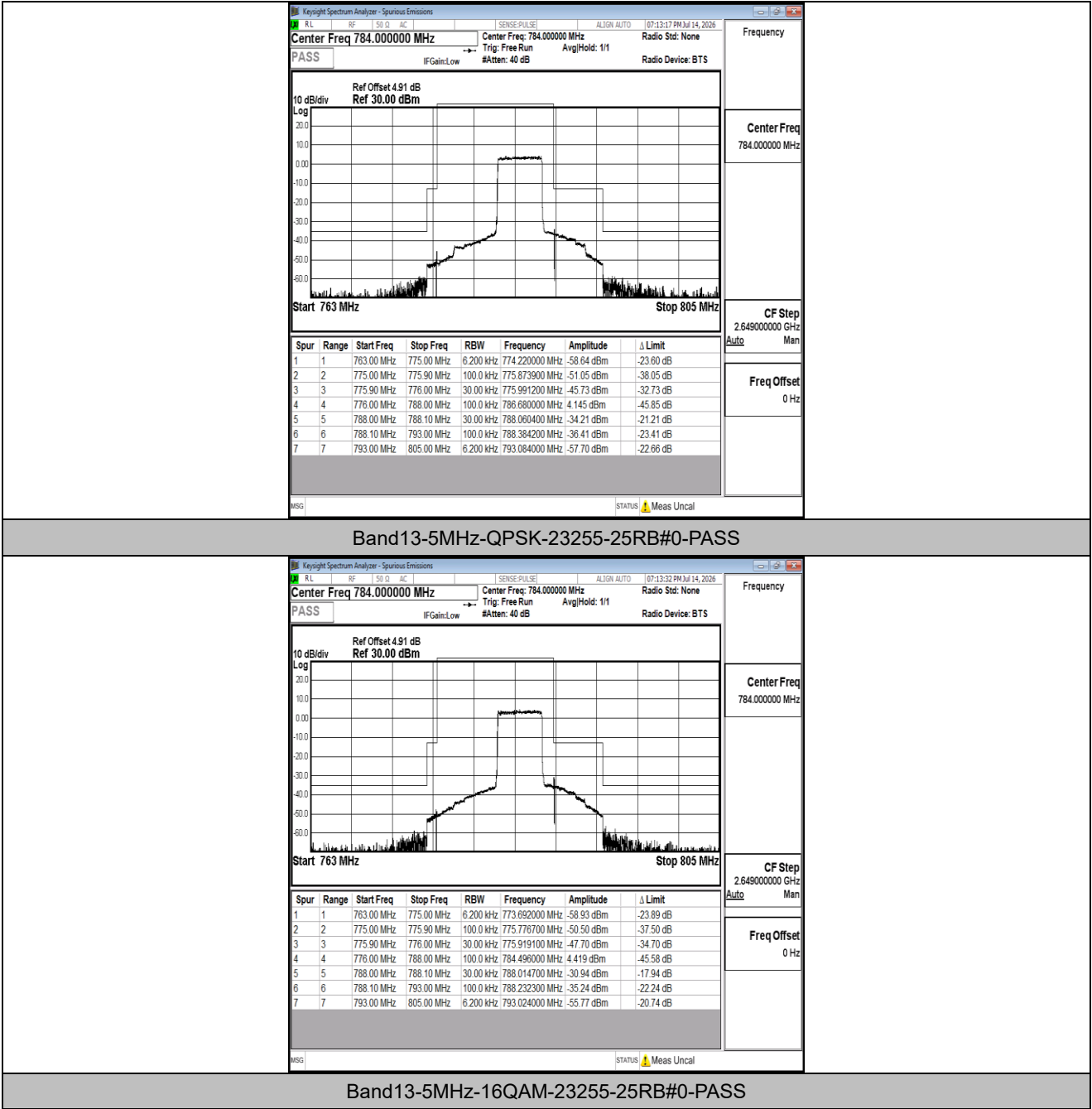
I.4 Band Edge

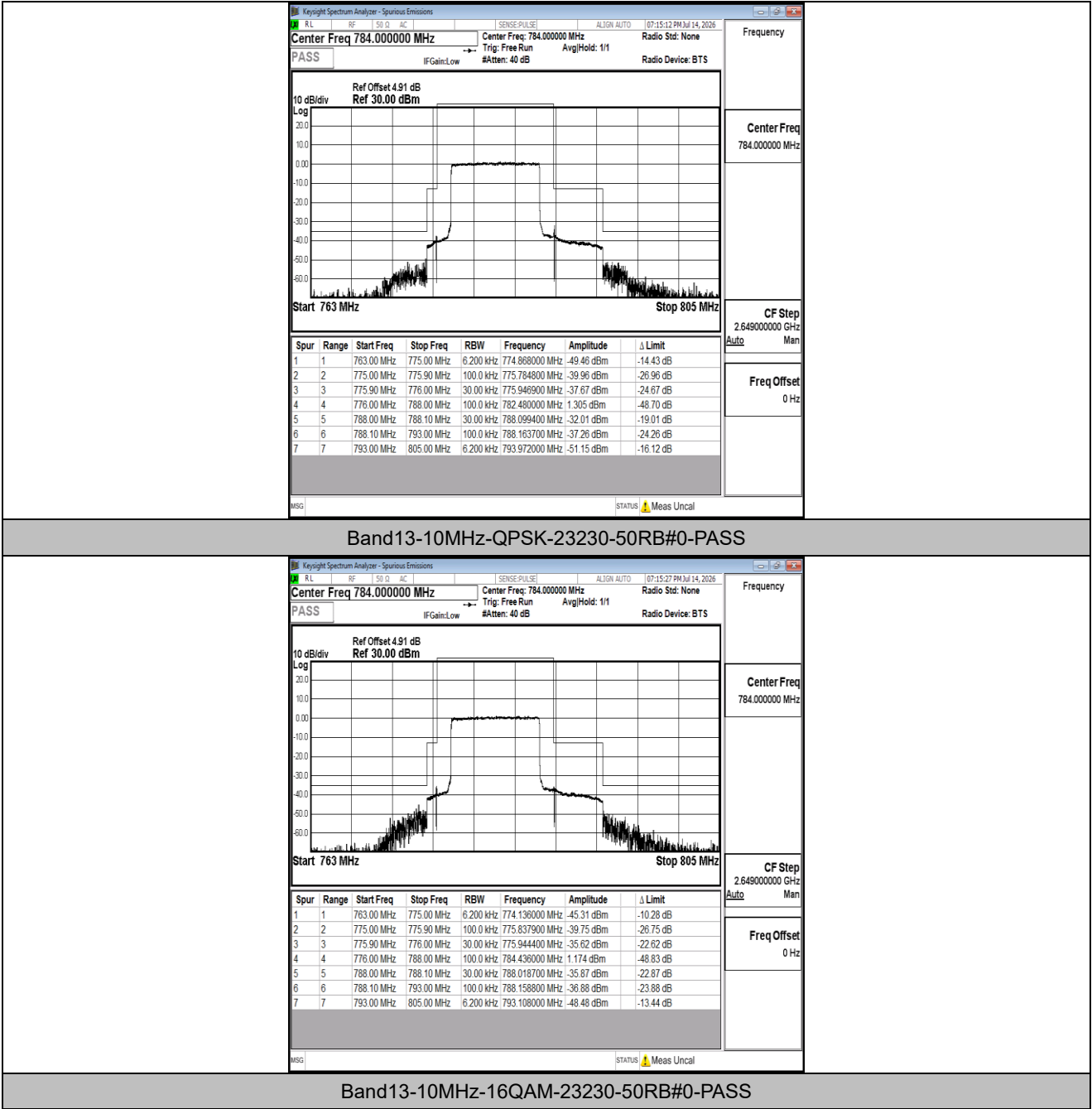
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-46.21	11.21	PASS
Band13	5MHz	16QAM	23205	25RB#0	-45.68	10.68	PASS
Band13	5MHz	QPSK	23255	25RB#0	-34.21	21.21	PASS
Band13	5MHz	16QAM	23255	25RB#0	-30.94	17.94	PASS
Band13	10MHz	QPSK	23230	50RB#0	-49.46	14.46	PASS
Band13	10MHz	16QAM	23230	50RB#0	-45.31	10.31	PASS

Test Graphs







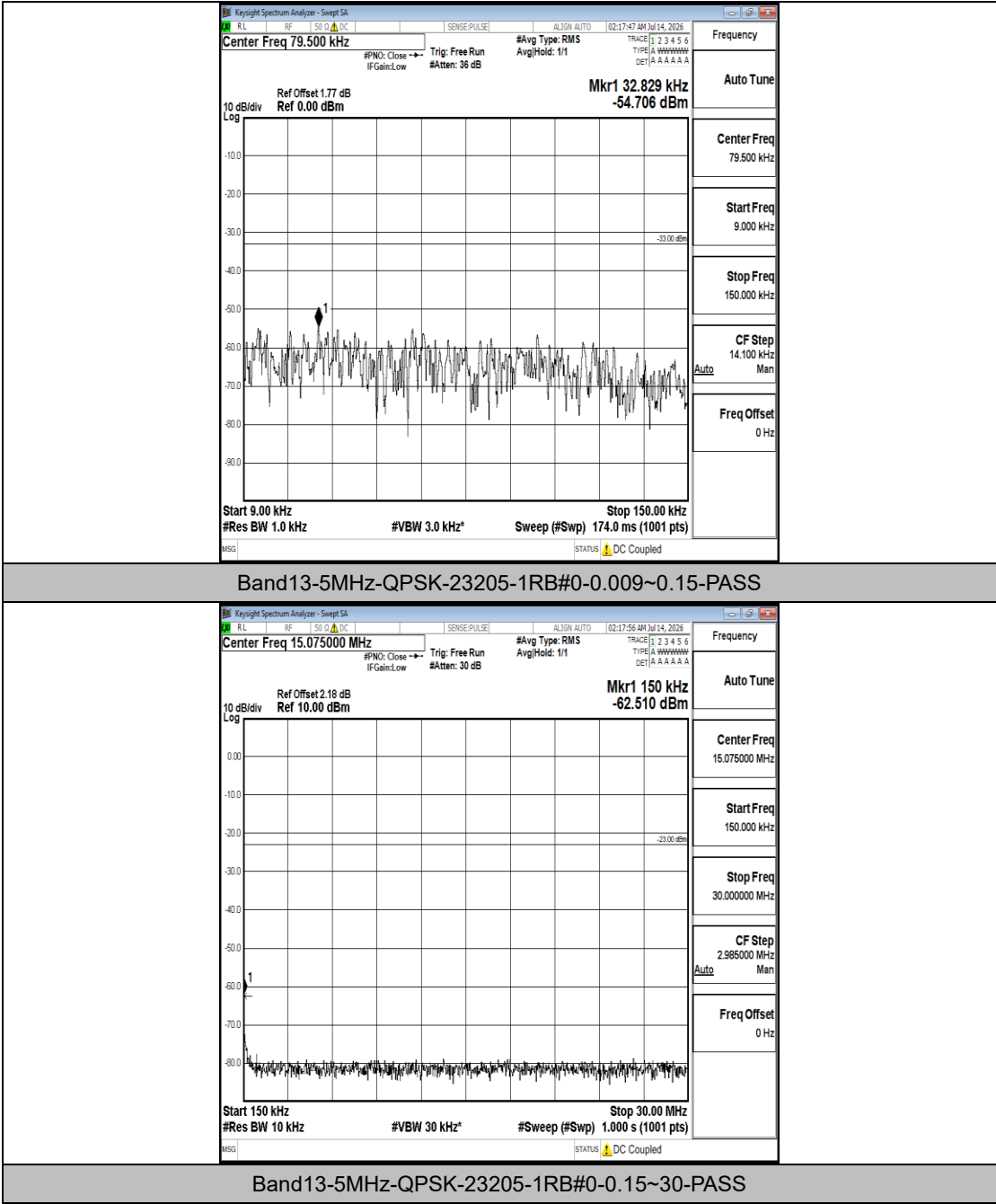
I.5 Conducted Spurious Emission

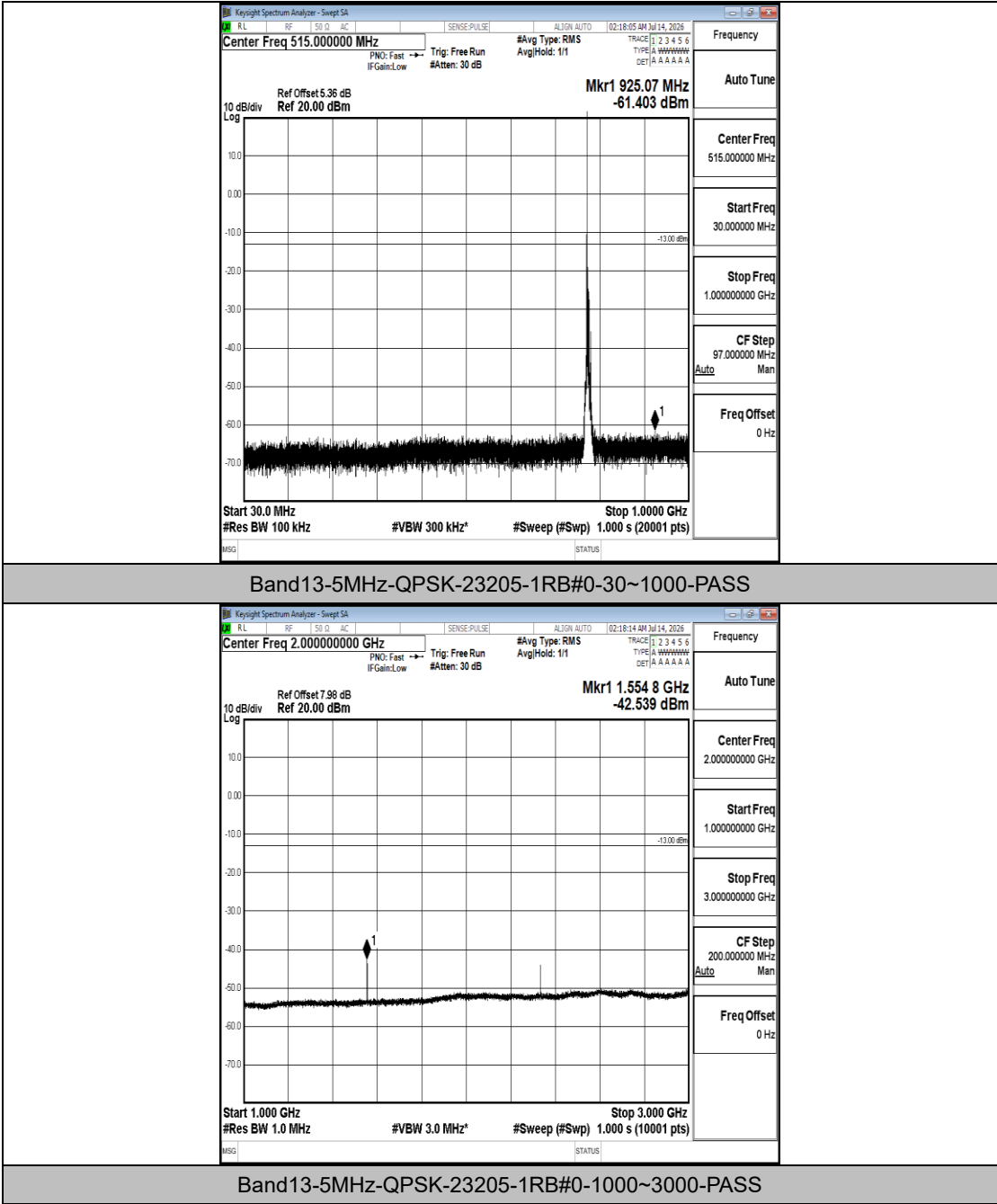
Test Result

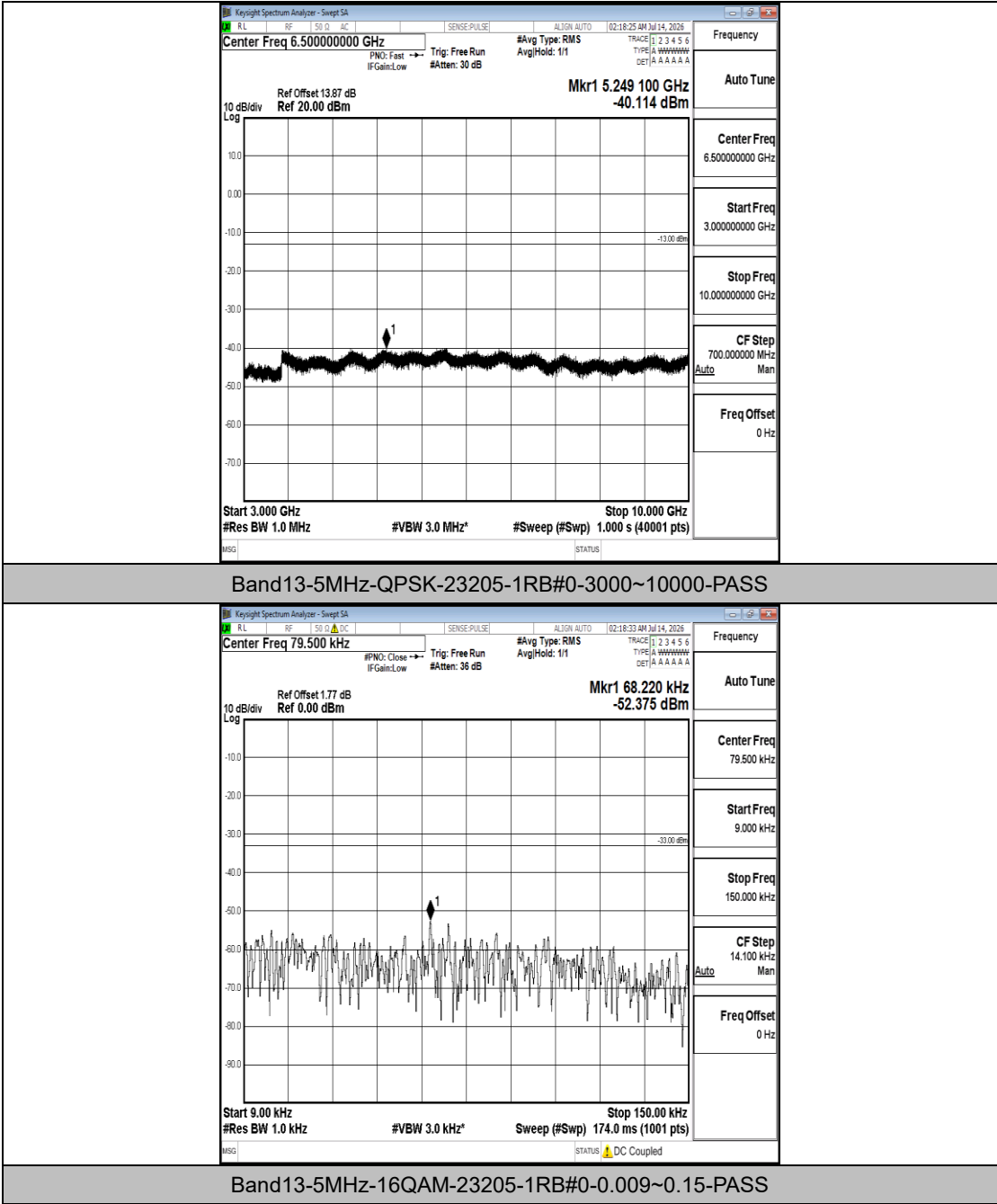
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-54.71	-33.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-62.51	-23.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-61.40	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-42.54	-13.0	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-40.11	-13.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-52.38	-33.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-62.16	-23.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-60.71	-13.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-43.91	-13.0	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-39.67	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-53.40	-33.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-62.20	-23.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-61.11	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-42.99	-13.0	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-39.96	-13.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-53.82	-33.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-63.82	-23.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-60.95	-13.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-44.79	-13.0	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-39.84	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-54.71	-33.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-62.05	-23.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-61.20	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-42.29	-13.0	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-39.86	-13.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-54.53	-33.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-64.27	-23.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-61.04	-13.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-42.87	-13.0	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-40.00	-13.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-52.83	-33.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-62.33	-23.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-61.34	-13.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-43.32	-13.0	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-39.52	-13.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-52.33	-33.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-62.84	-23.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-61.40	-13.0	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-43.98	-13.0	PASS

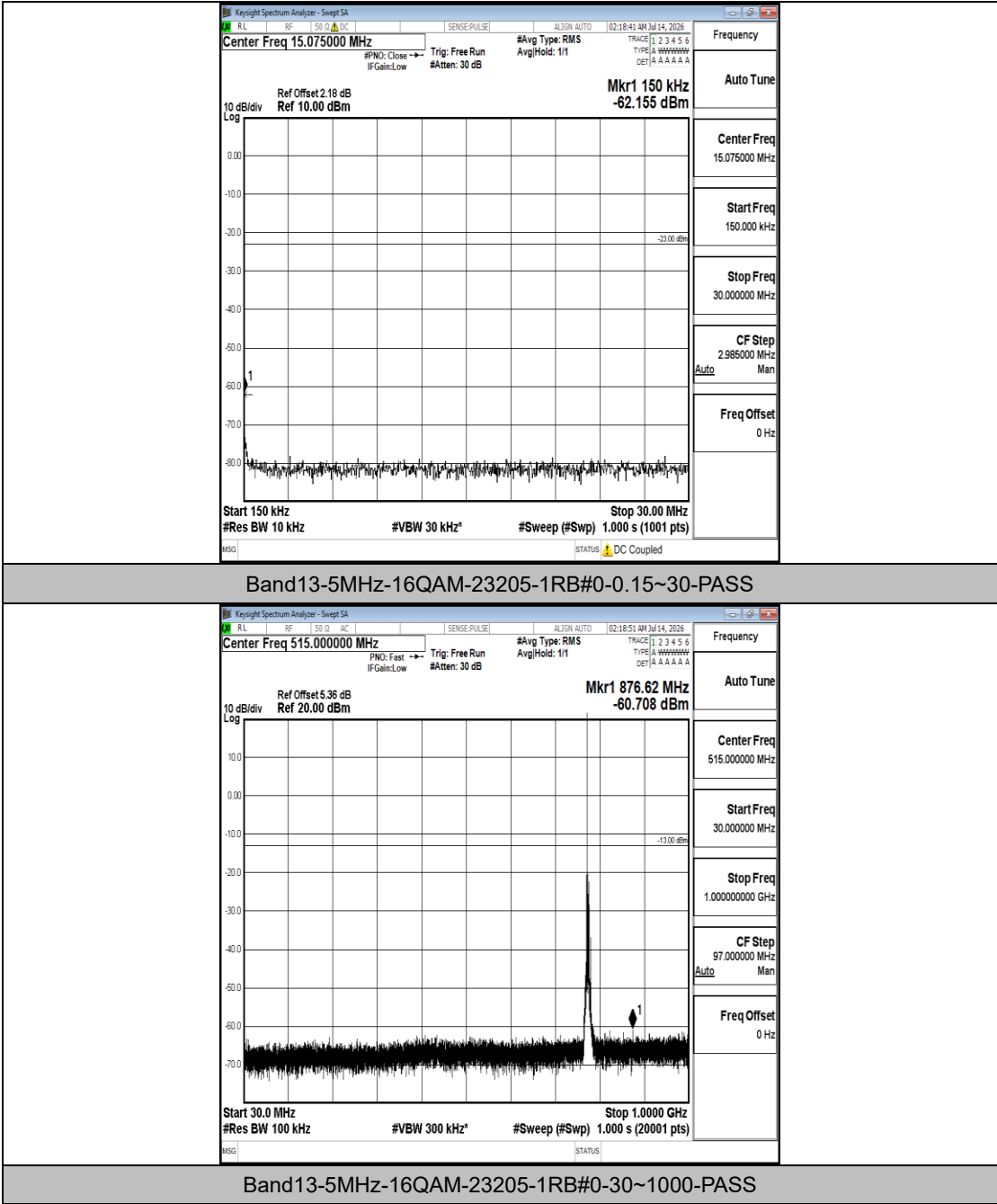
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-39.71	-13.0	PASS
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Test Graphs

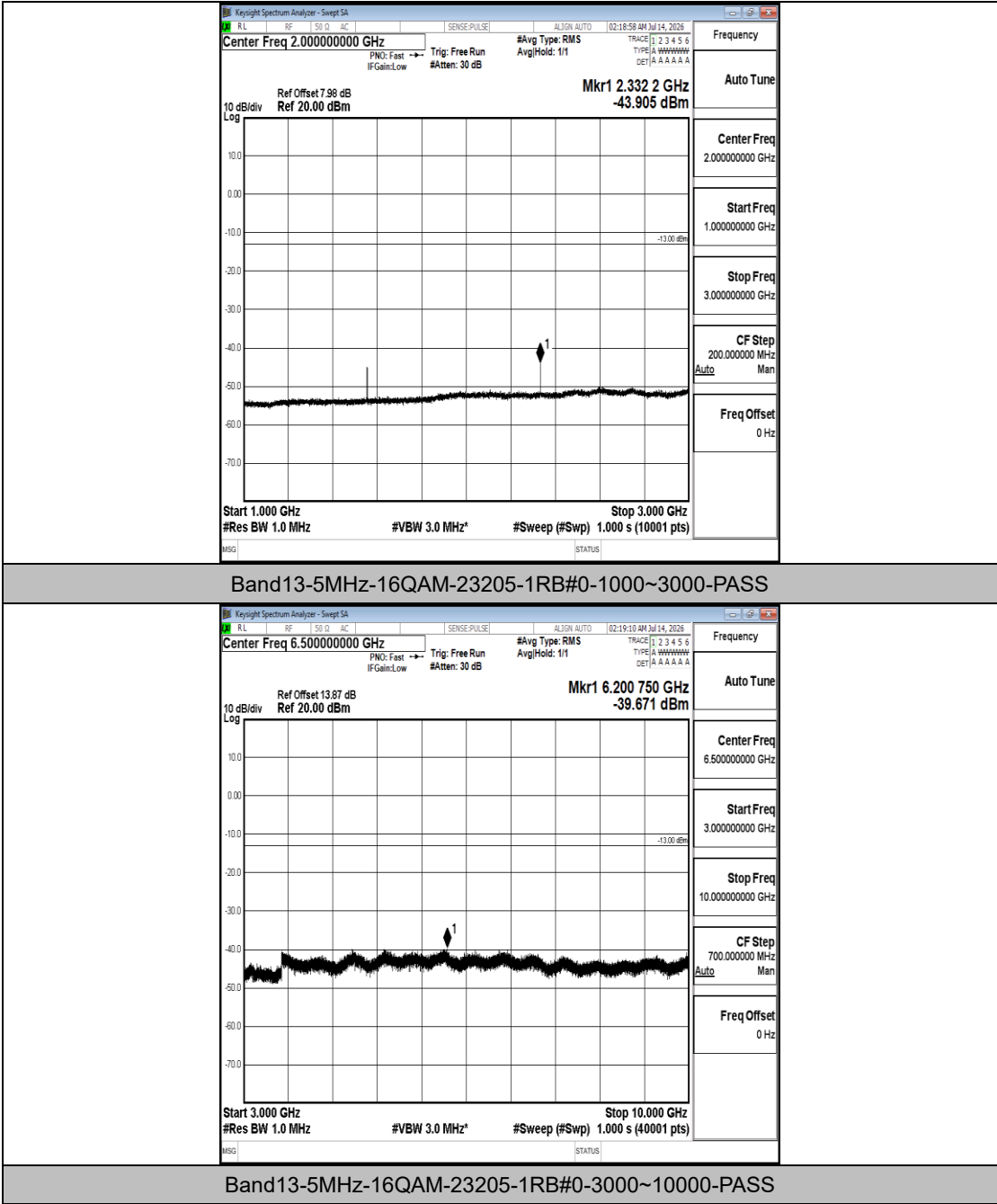


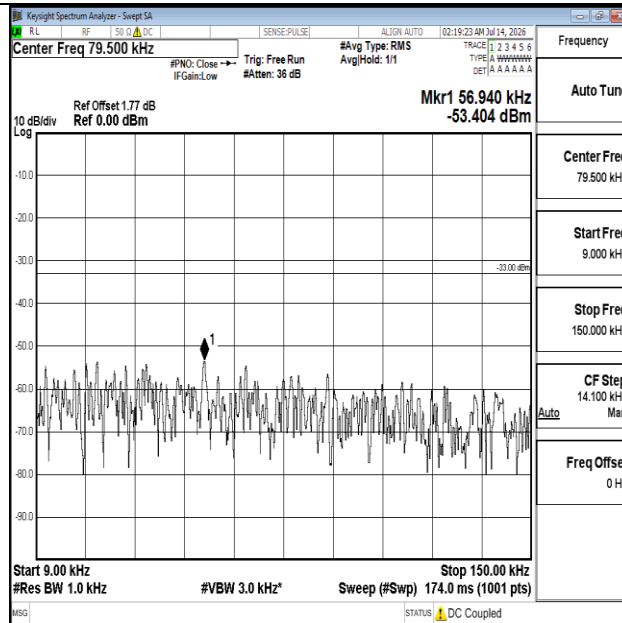




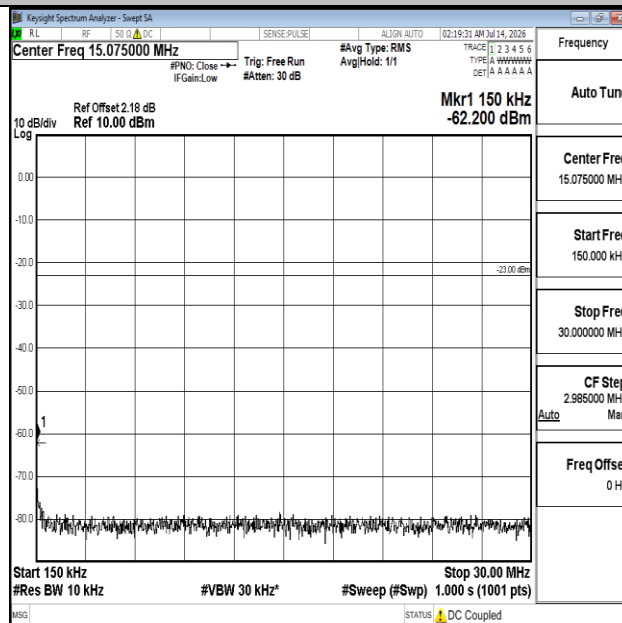


Band13-5MHz-16QAM-23205-1RB#0-30~1000-PASS

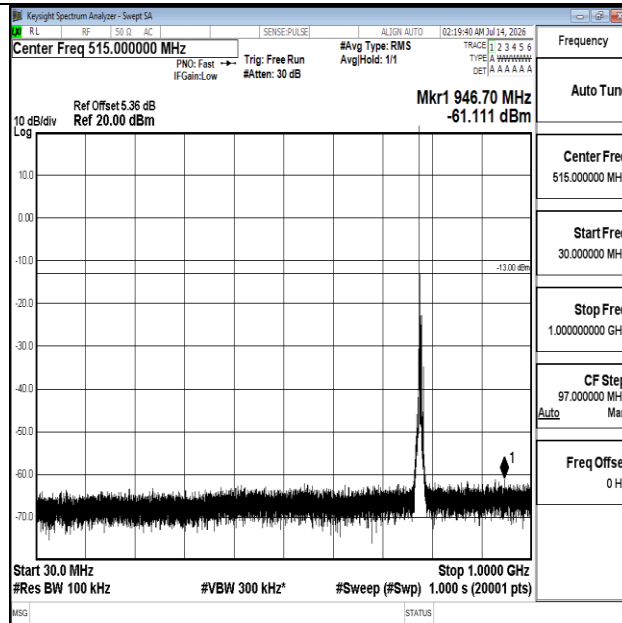




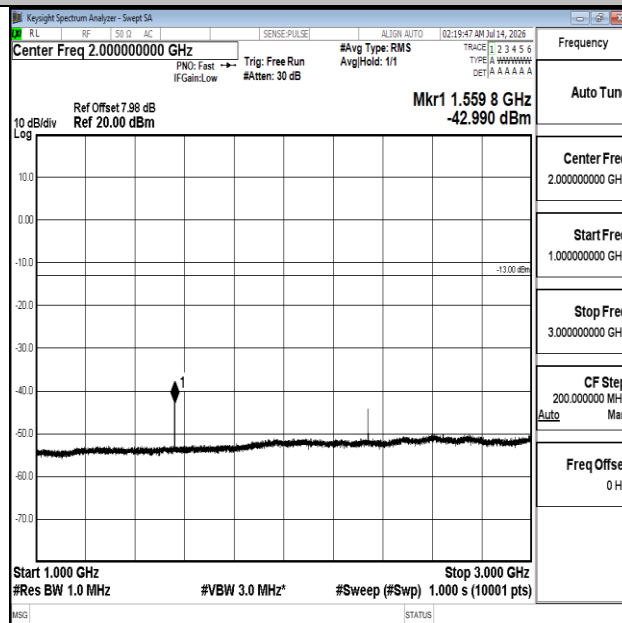
Band13-5MHz-QPSK-23230-1RB#0-0.009~0.15-PASS



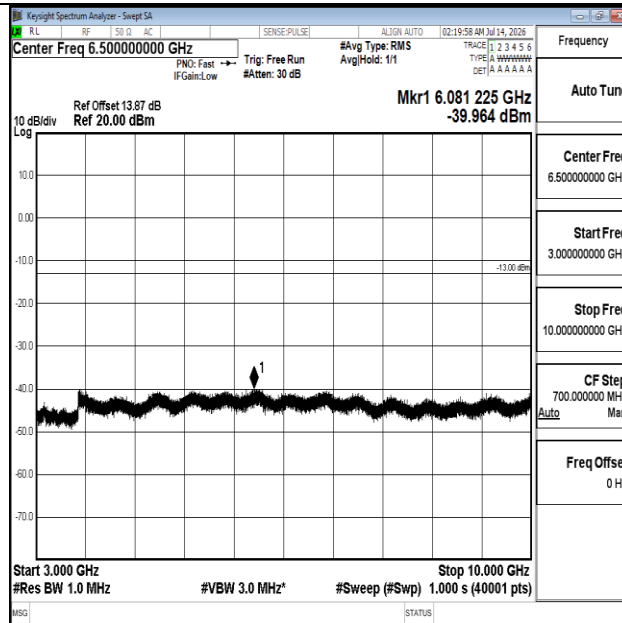
Band13-5MHz-QPSK-23230-1RB#0-0.15~30-PASS



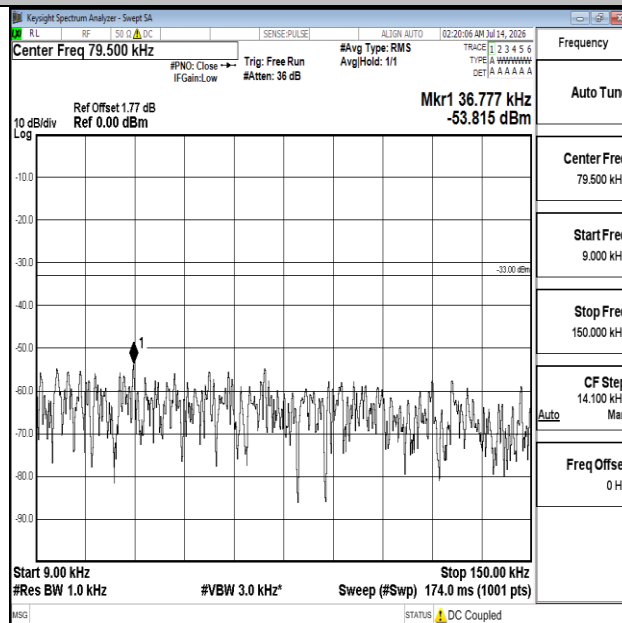
Band13-5MHz-QPSK-23230-1RB#0-30~1000-PASS



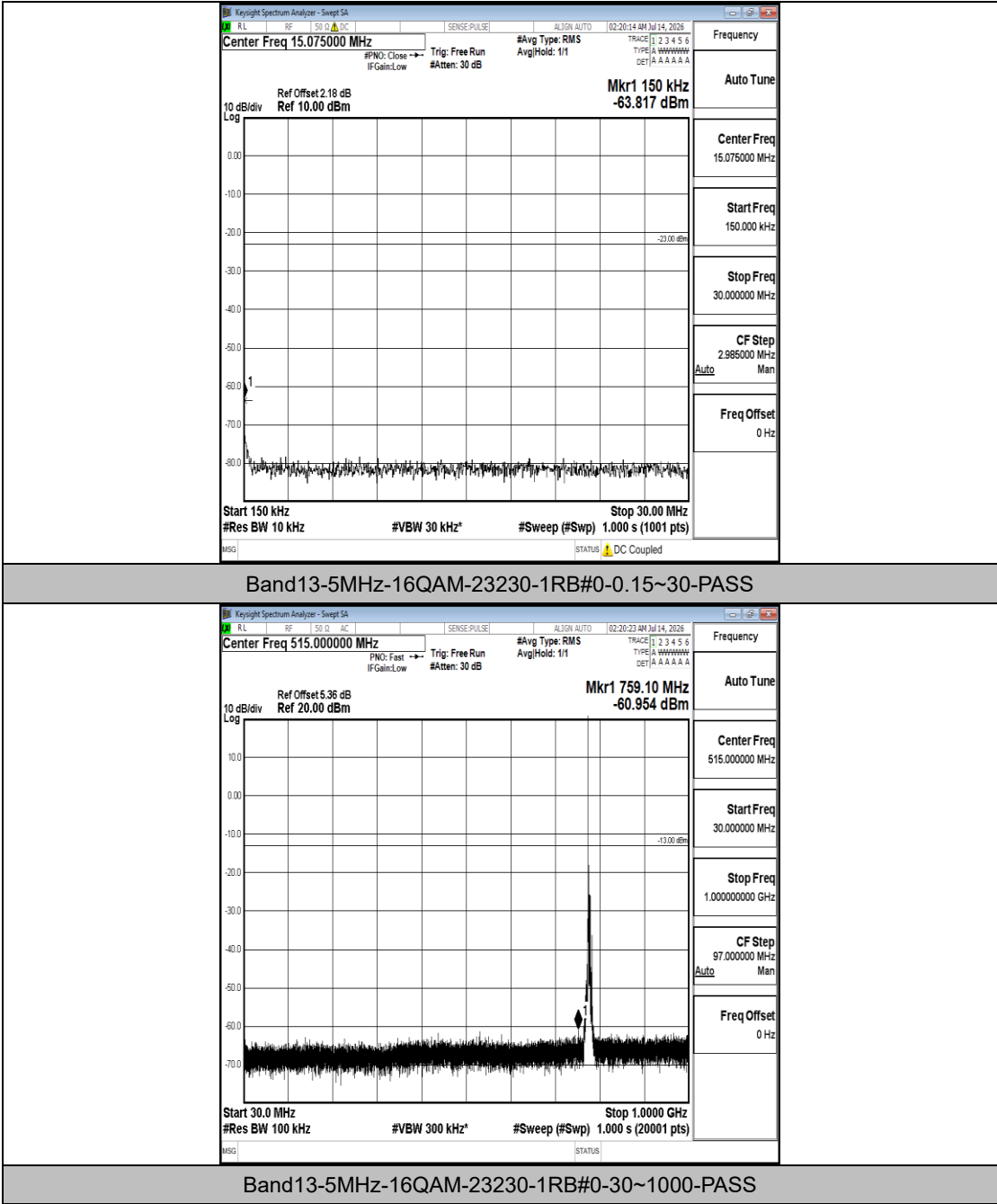
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS

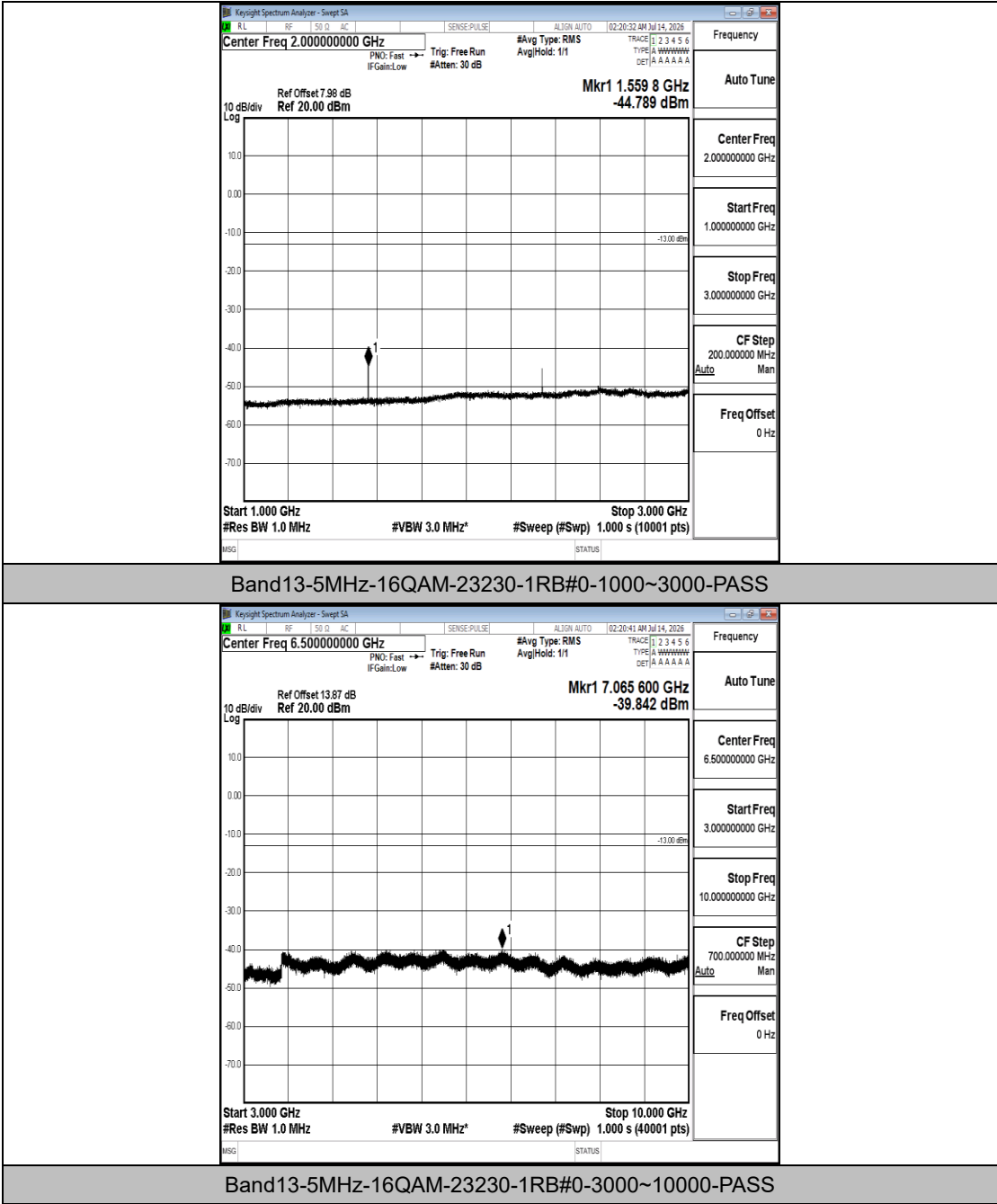


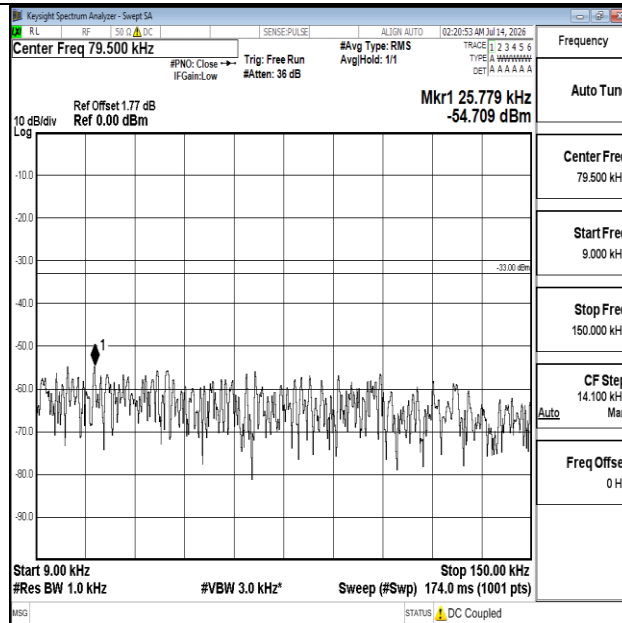
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



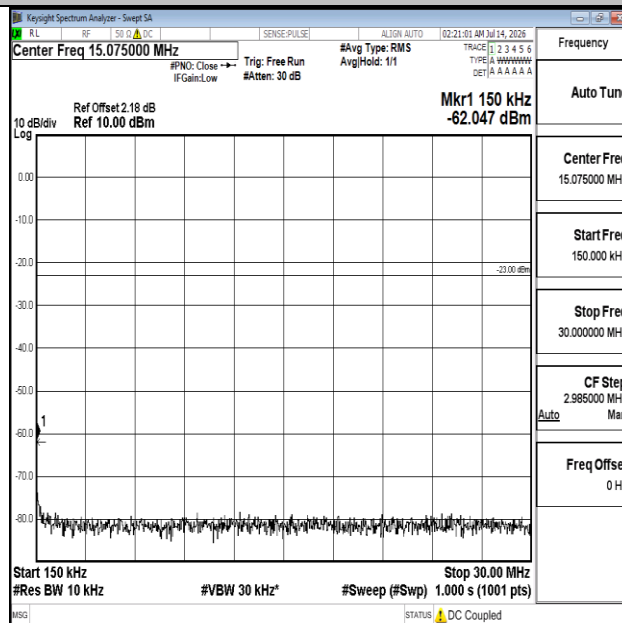
Band13-5MHz-16QAM-23230-1RB#0-0.009~0.15-PASS



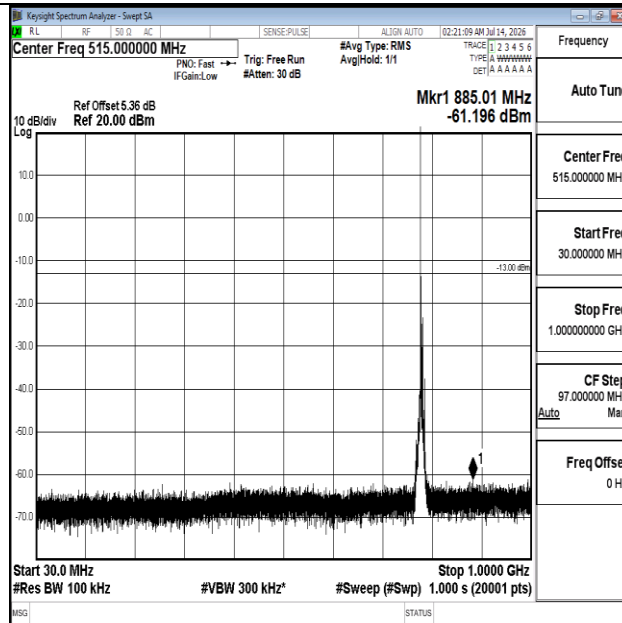




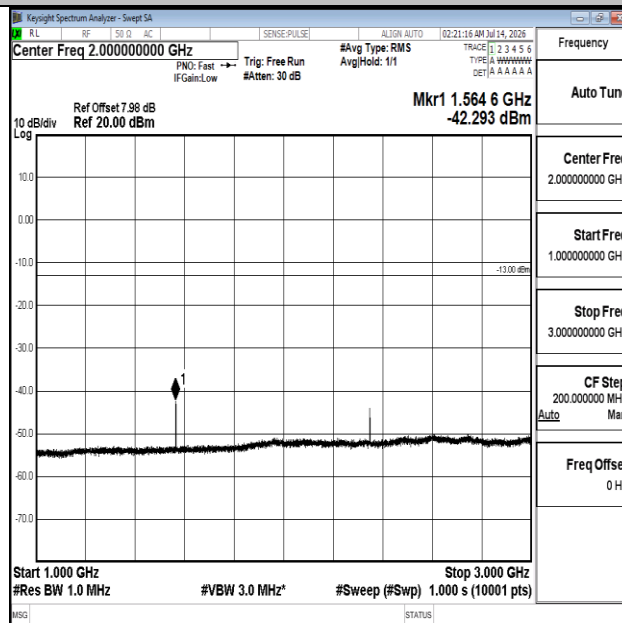
Band13-5MHz-QPSK-23255-1RB#0-0.009~0.15-PASS



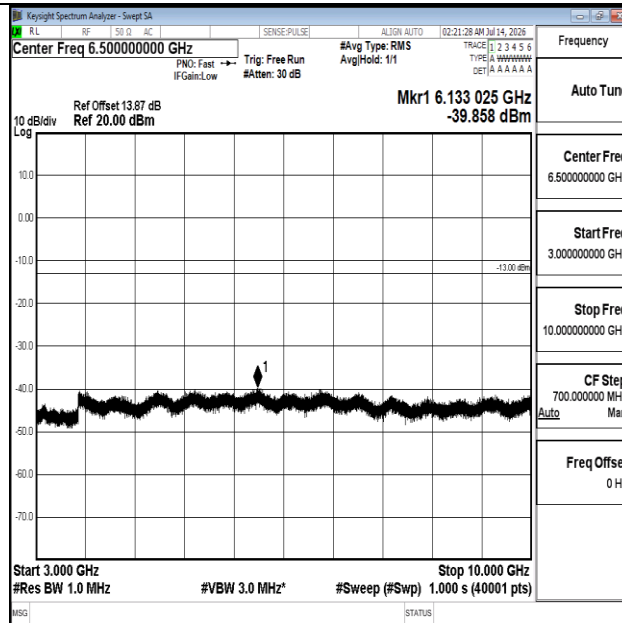
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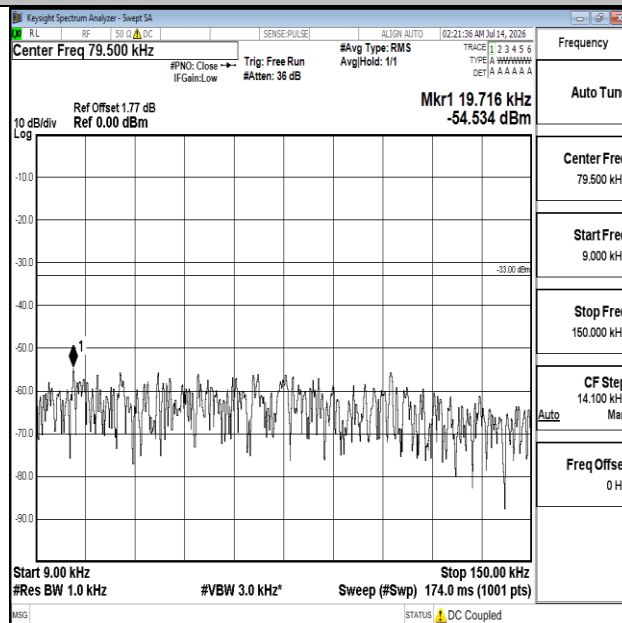
Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS



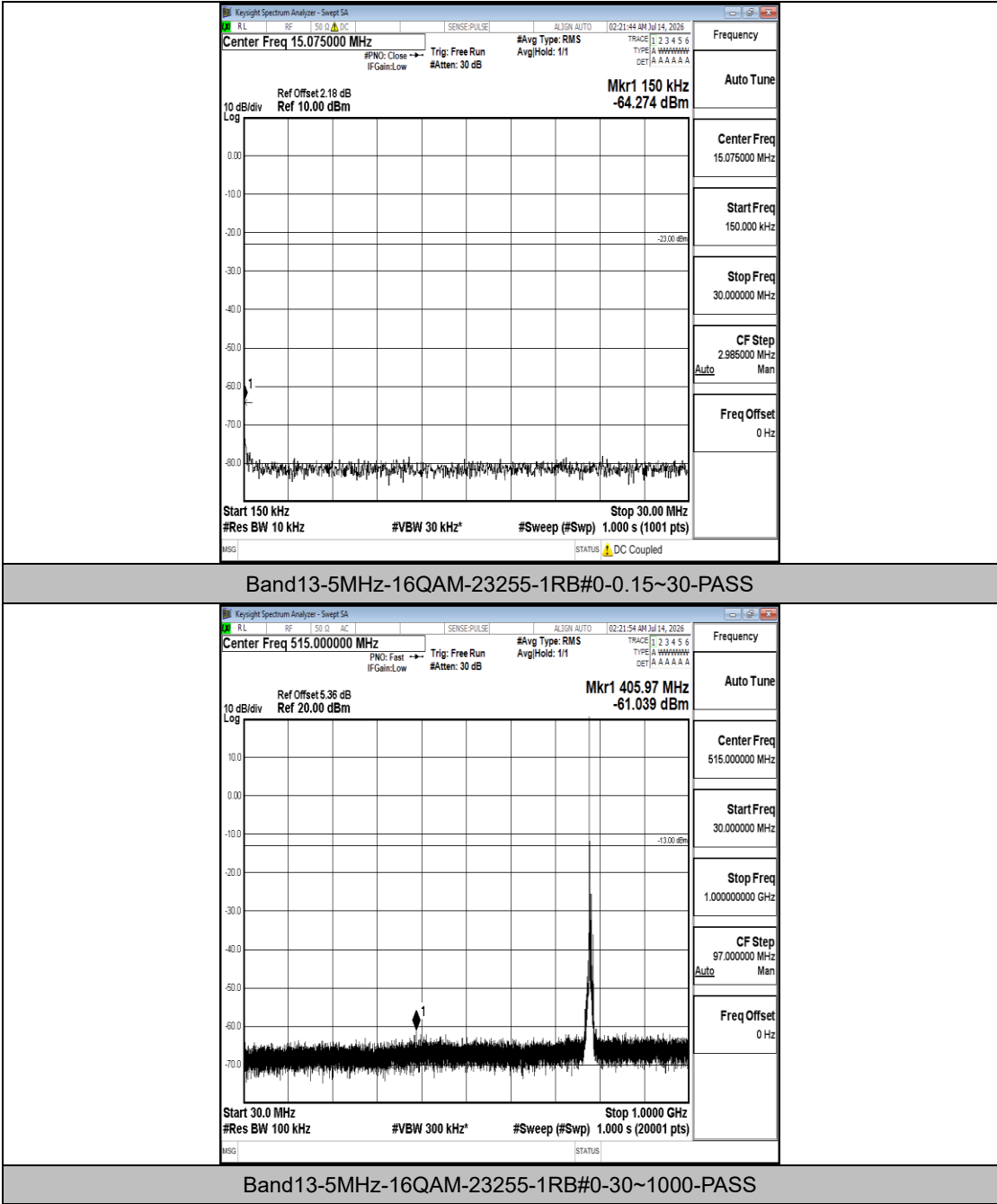
Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS

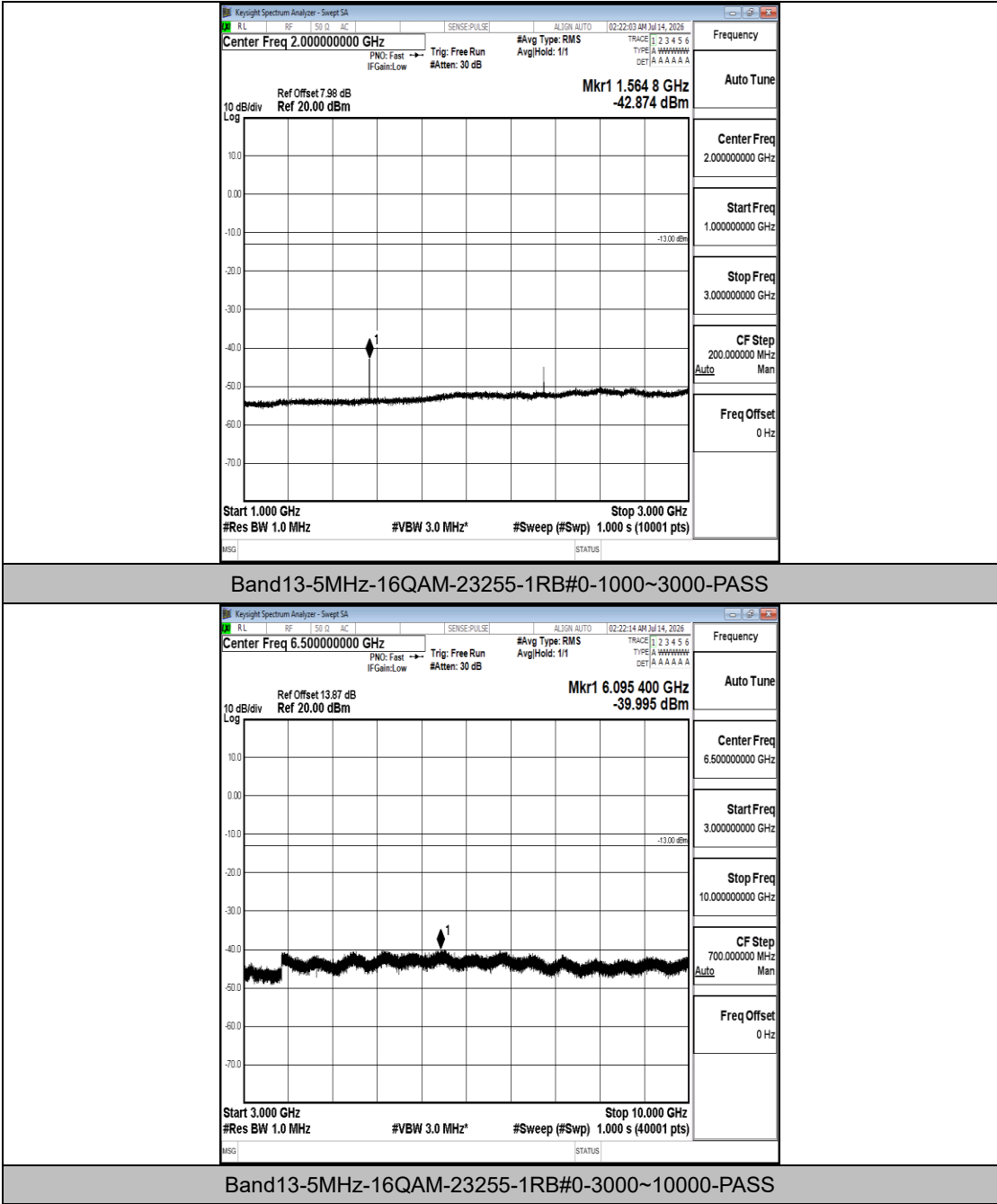


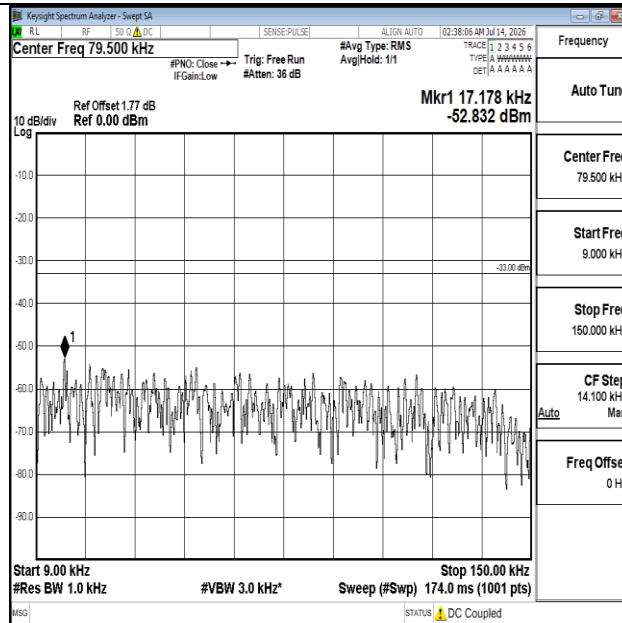
Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



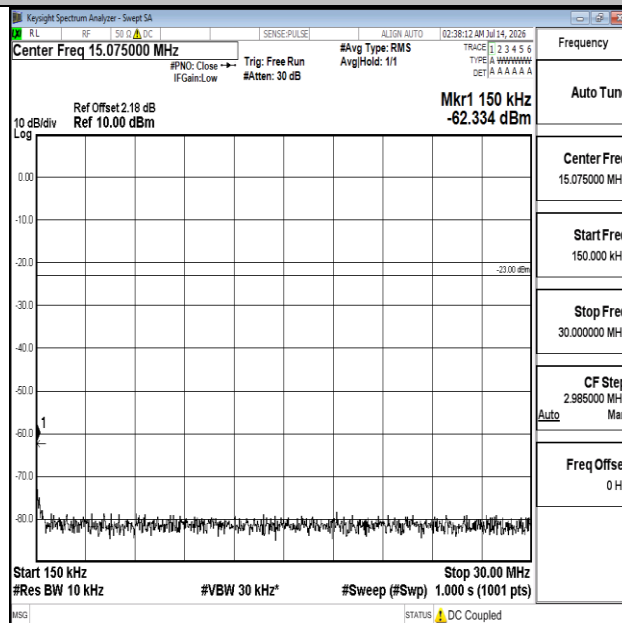
Band13-5MHz-16QAM-23255-1RB#0-0.009~0.15-PASS



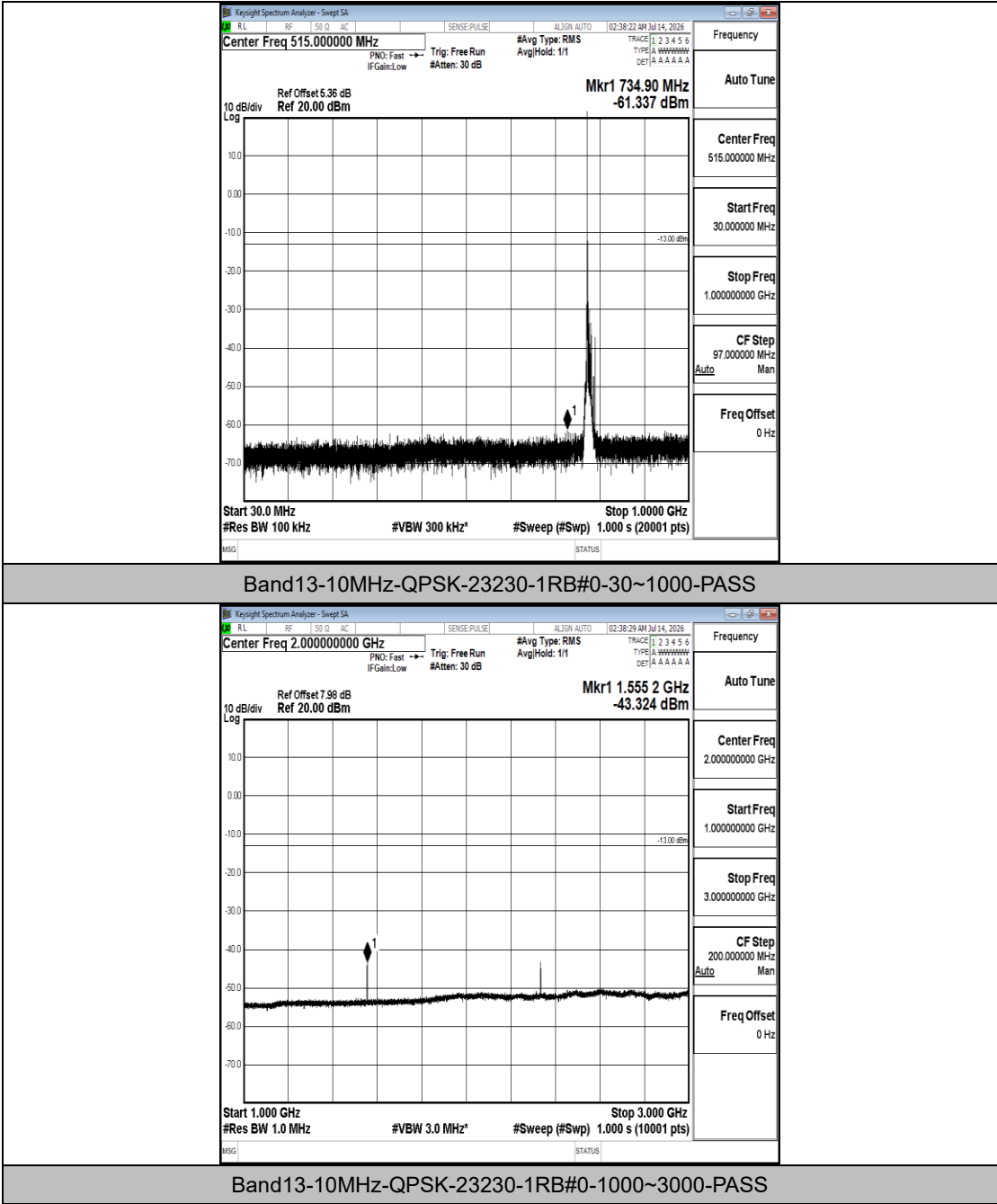


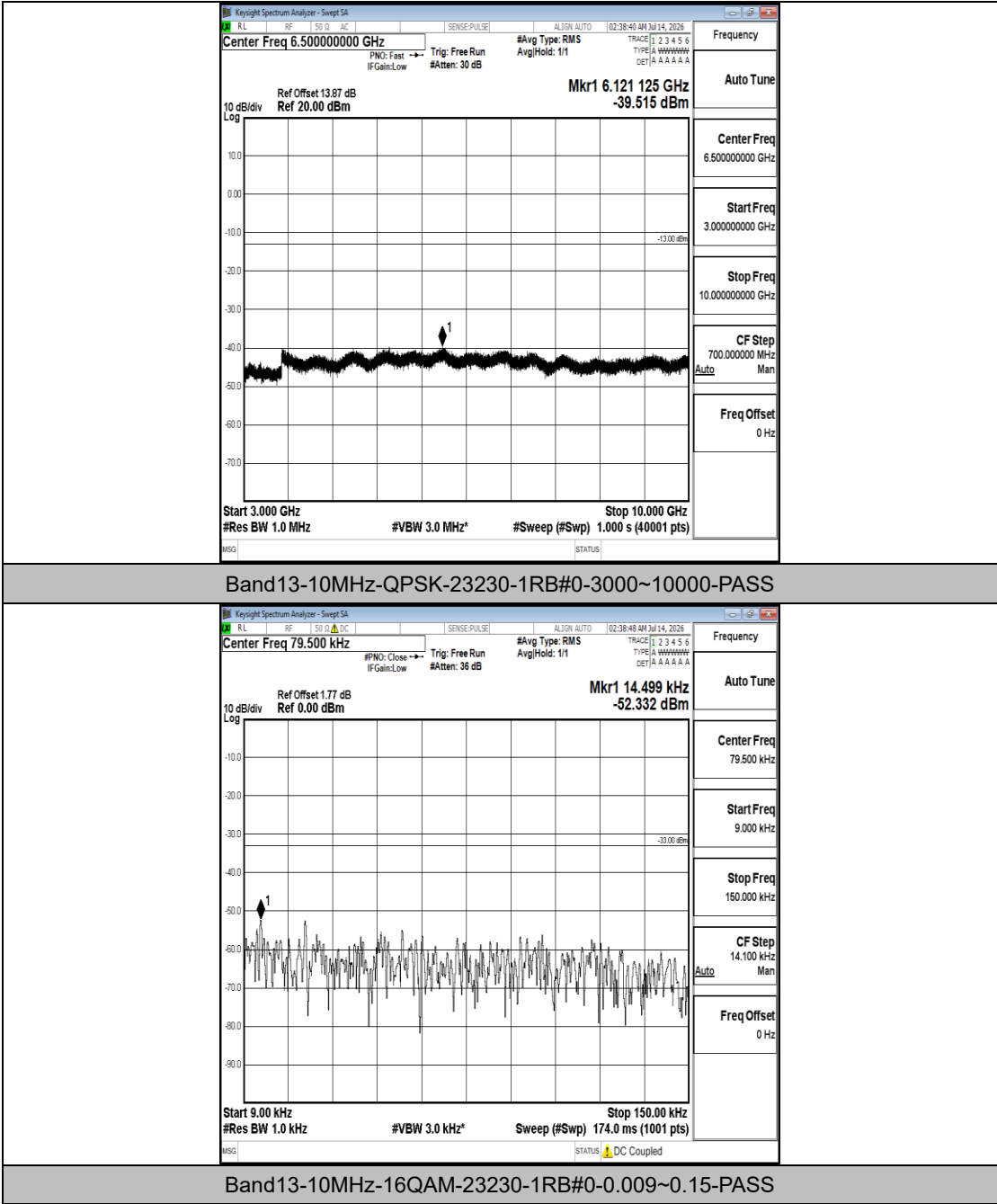


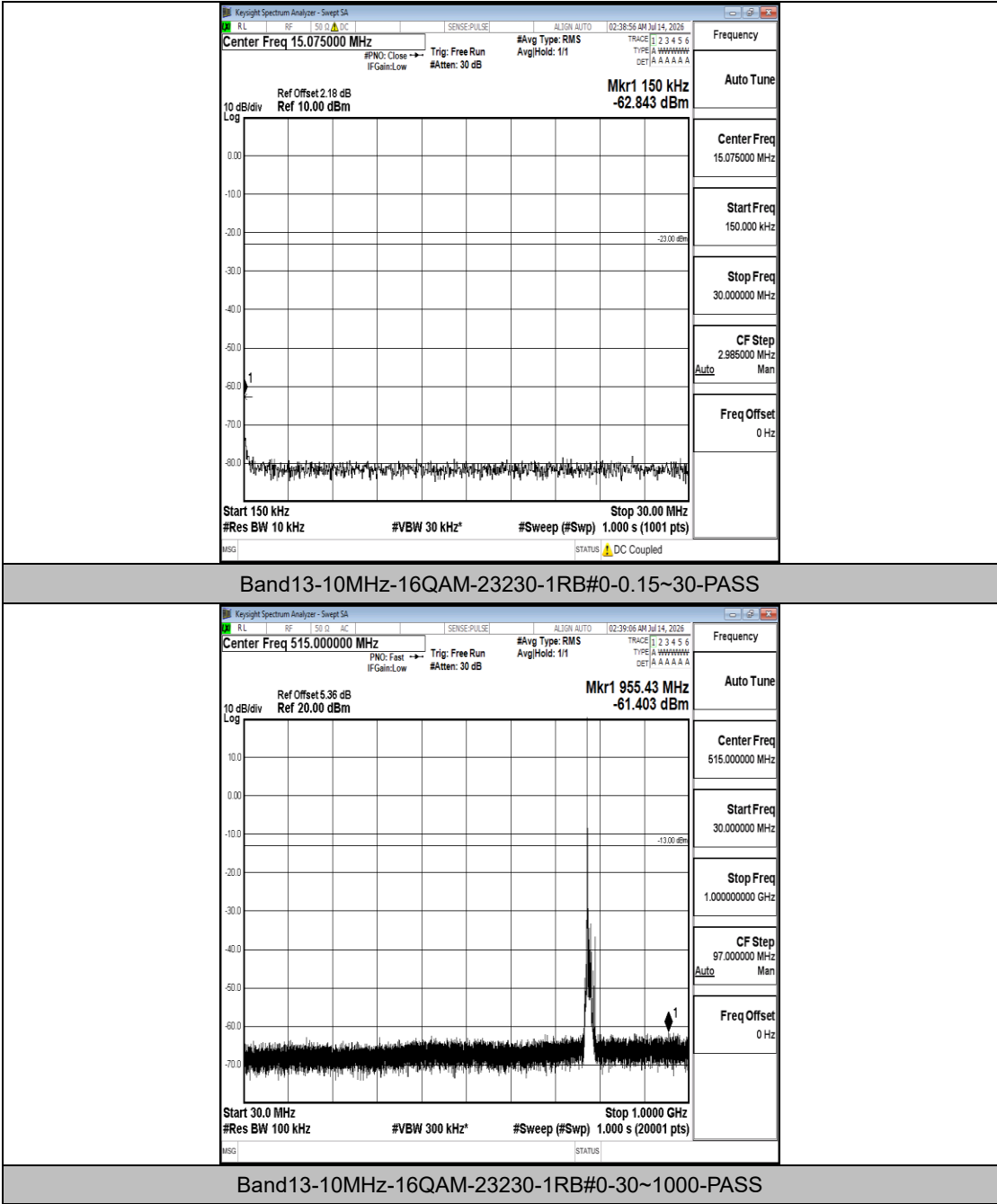
Band13-10MHz-QPSK-23230-1RB#0-0.009~0.15-PASS

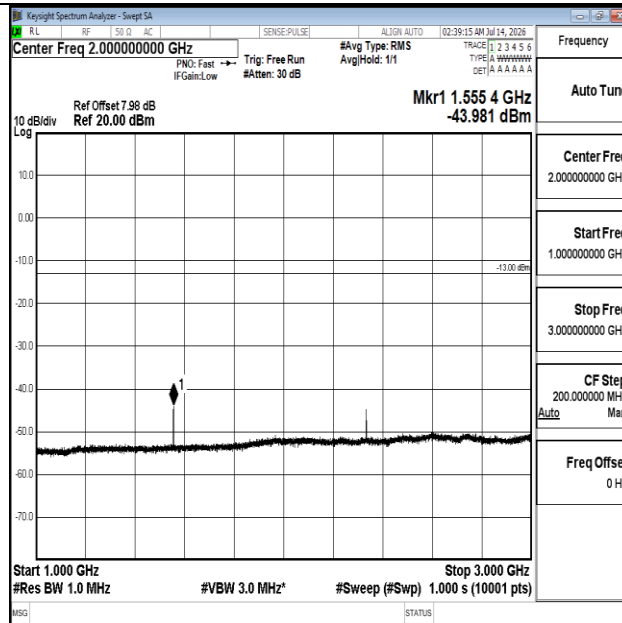


Band13-10MHz-QPSK-23230-1RB#0-0.15~30-PASS

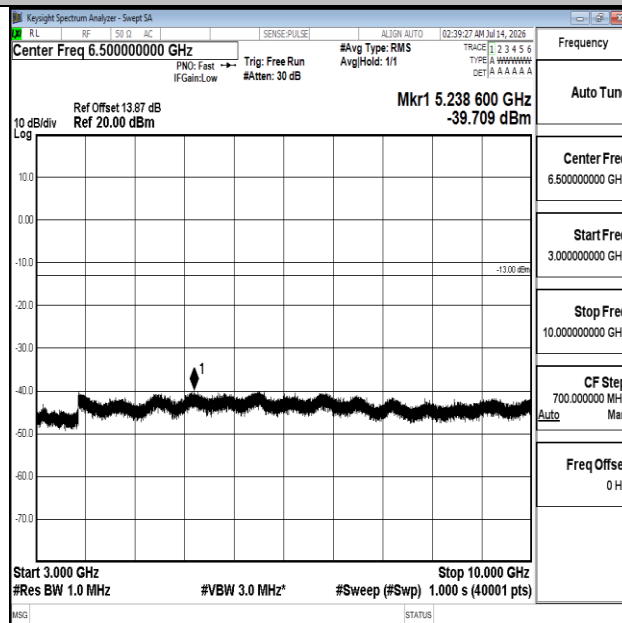








Band13-10MHz-16QAM-23230-1RB#0-1000~3000-PASS



Band13-10MHz-16QAM-23230-1RB#0-3000~10000-PASS