

FCC Appendix RF Test Data for LTE Band 17

Product Name: AI camera

Test Model: K7 max, K8 max

Environmental Conditions

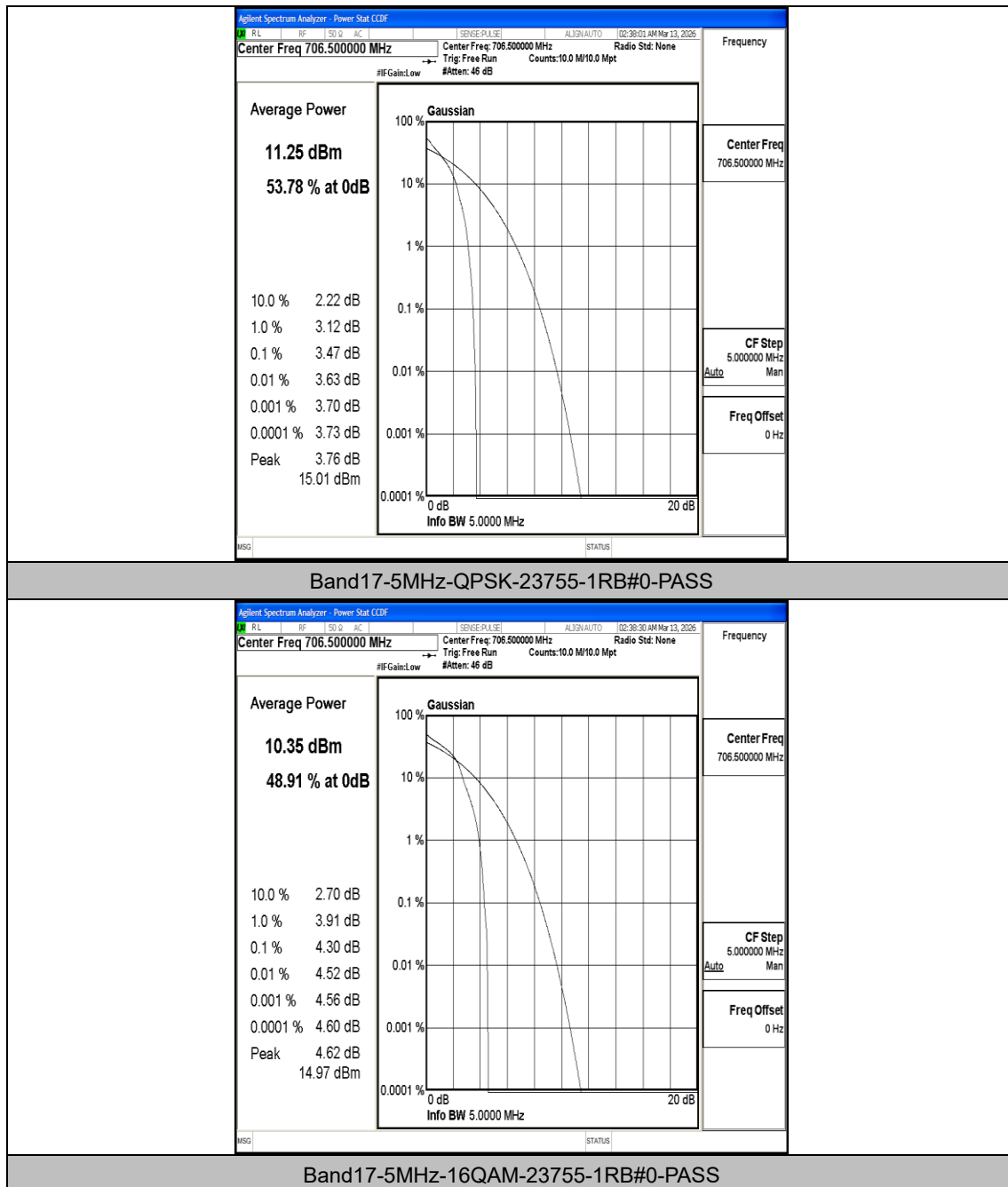
Temperature:	23.4°C
Relative Humidity:	54.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

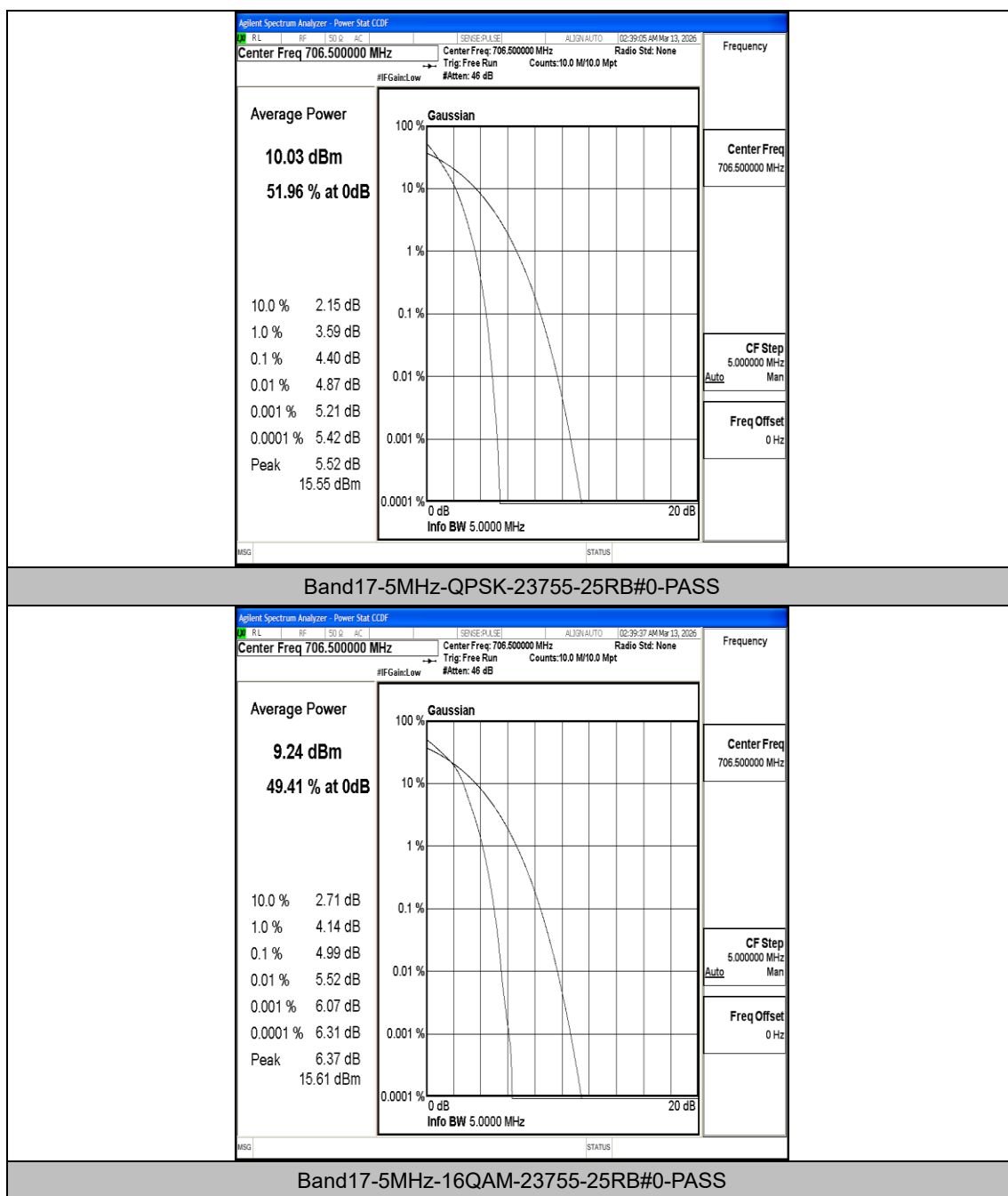
A Peak-to-Average Ratio(CCDF)

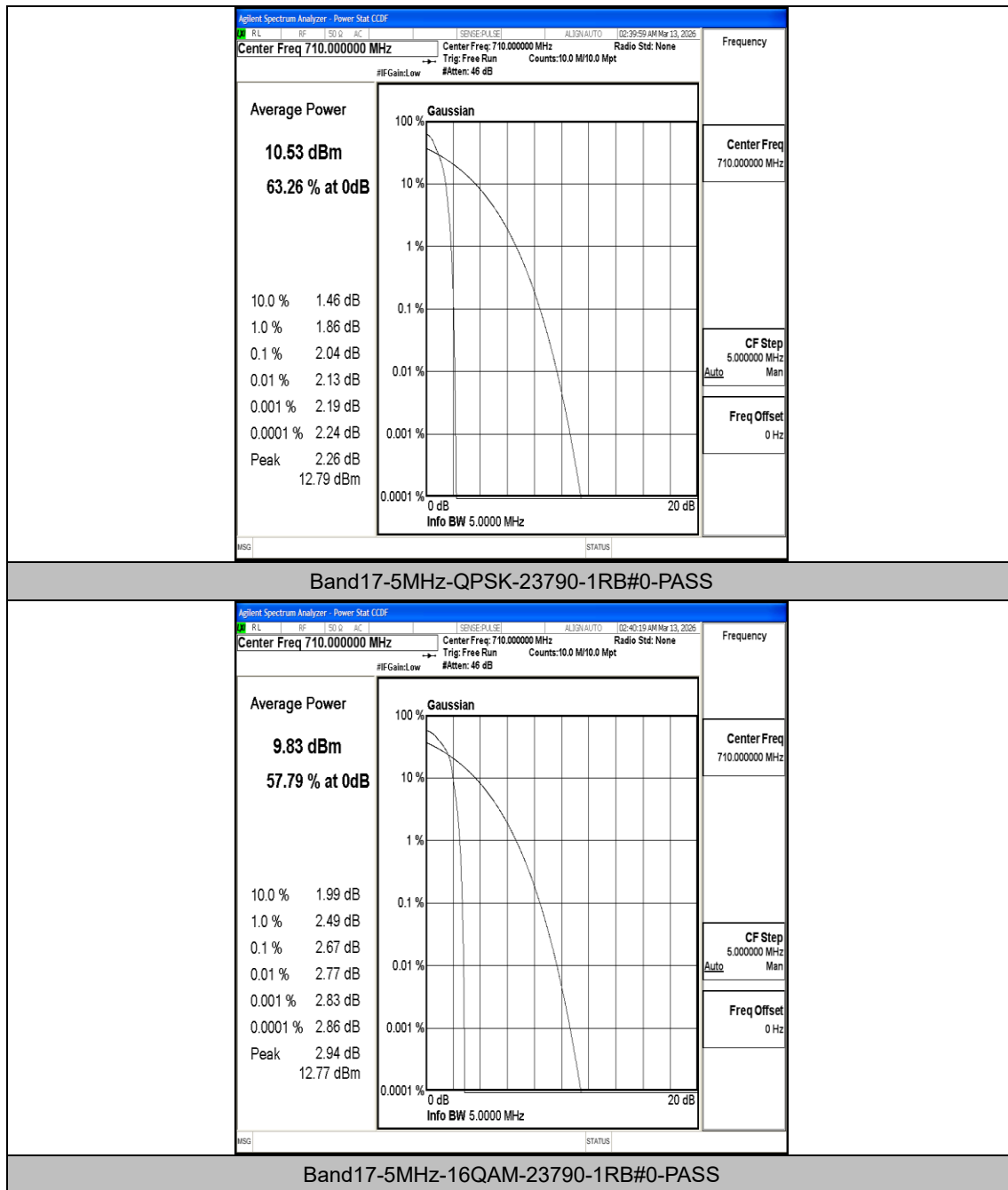
Test Result

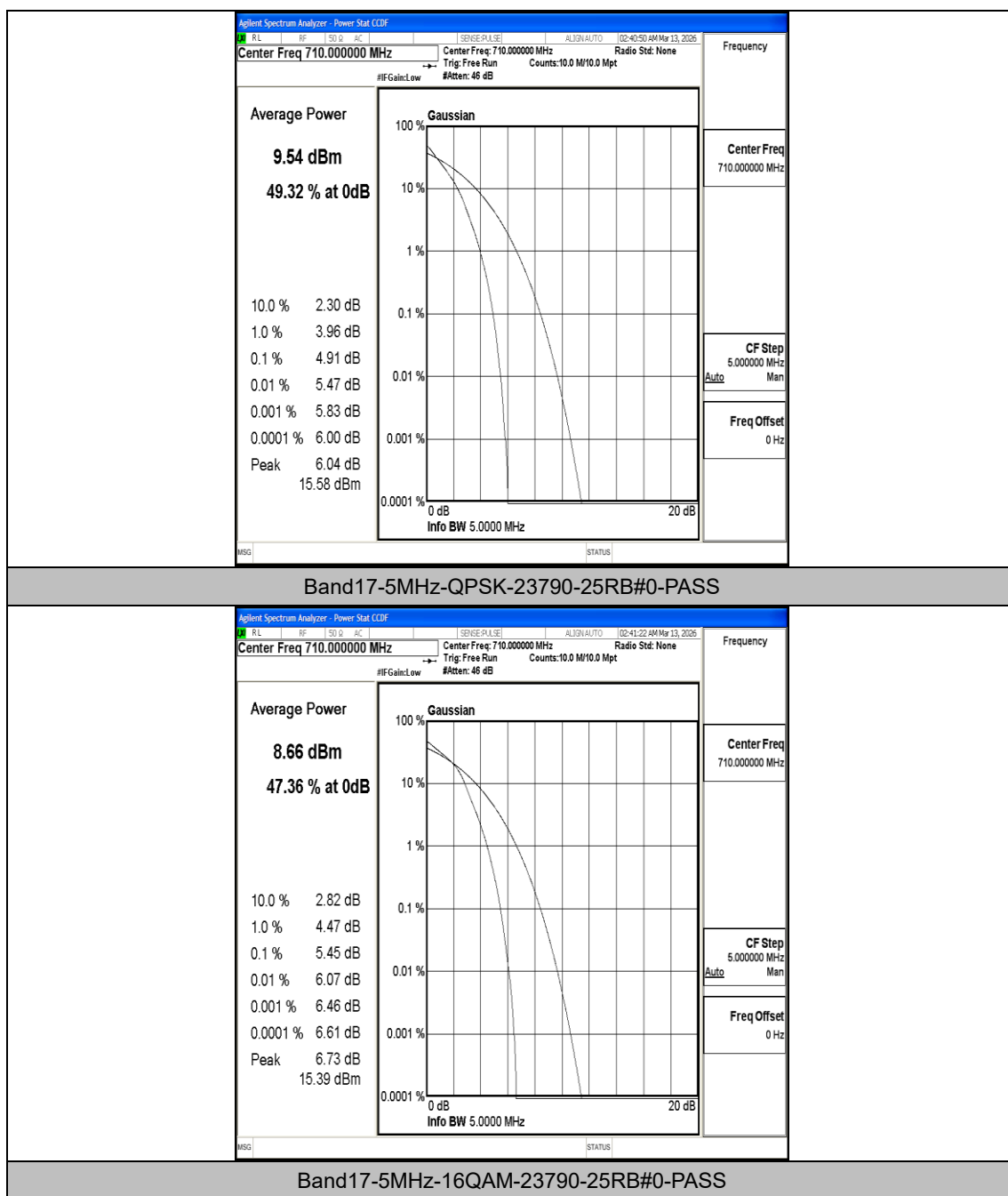
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	3.47	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	4.30	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.40	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.99	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	2.04	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	2.67	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.91	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.45	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.00	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	4.65	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.32	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.03	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	3.17	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	4.10	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.14	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.66	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	2.35	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	3.20	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.23	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.80	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	2.06	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	2.85	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.17	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.87	13	PASS

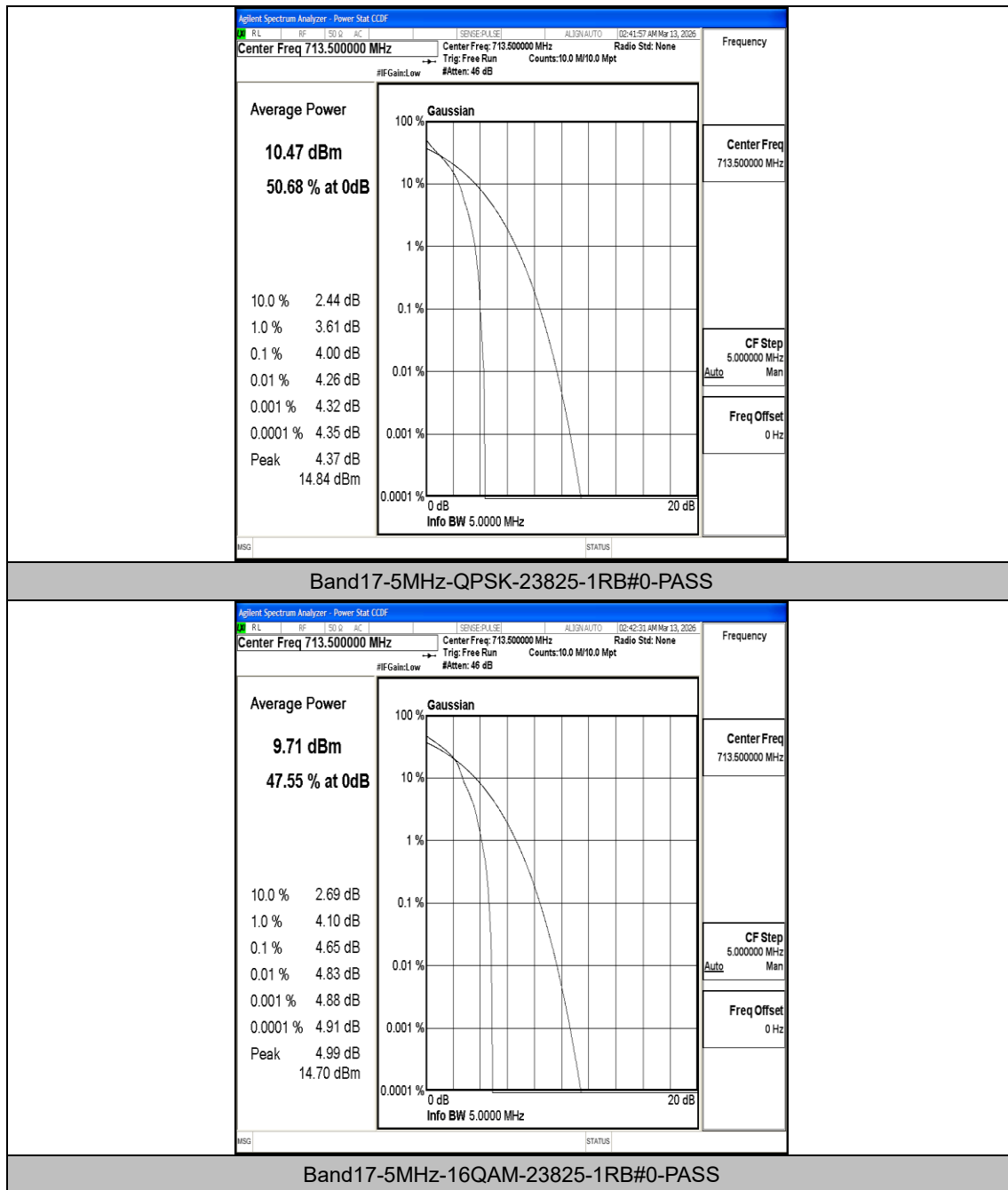
Test Graphs

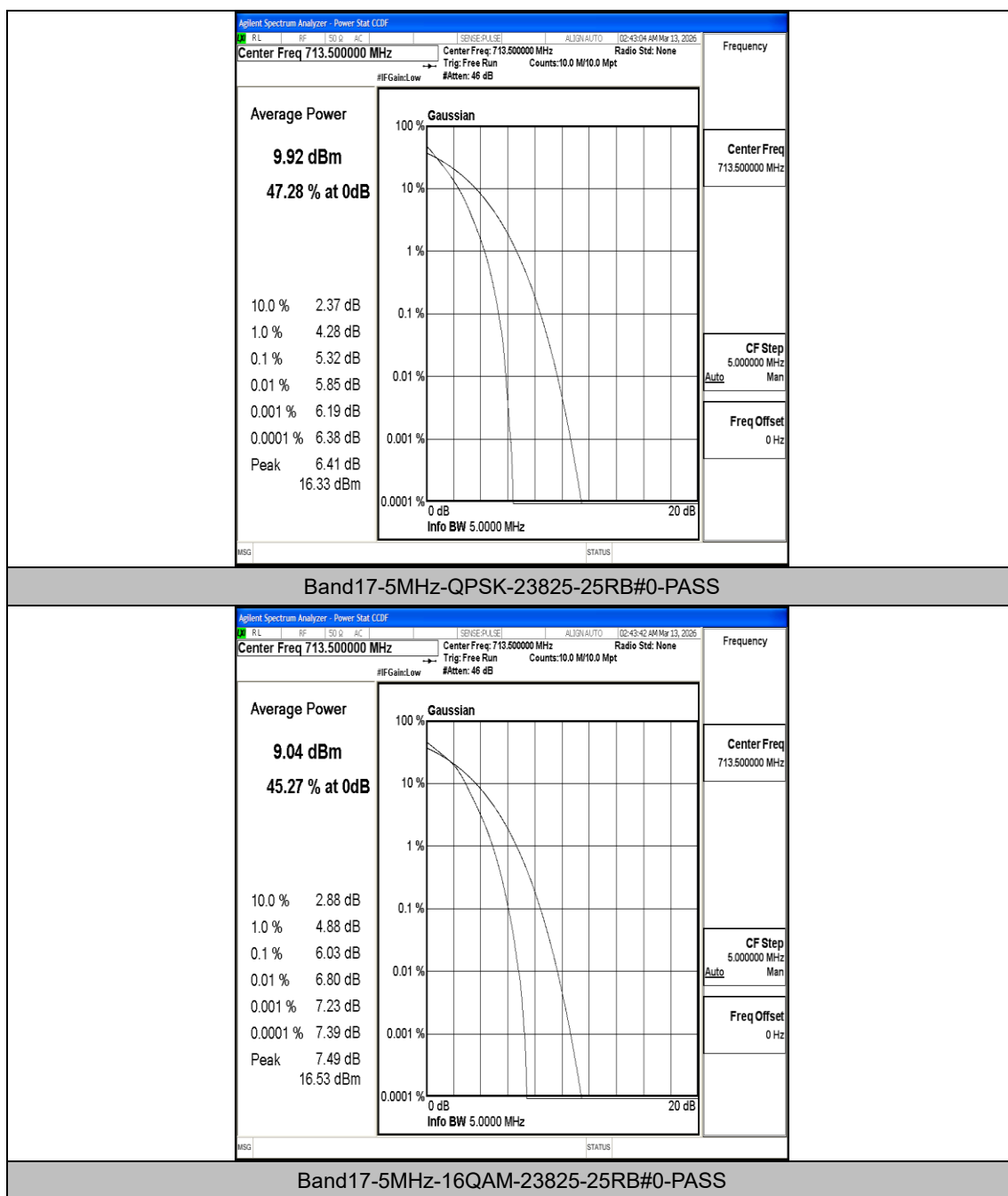


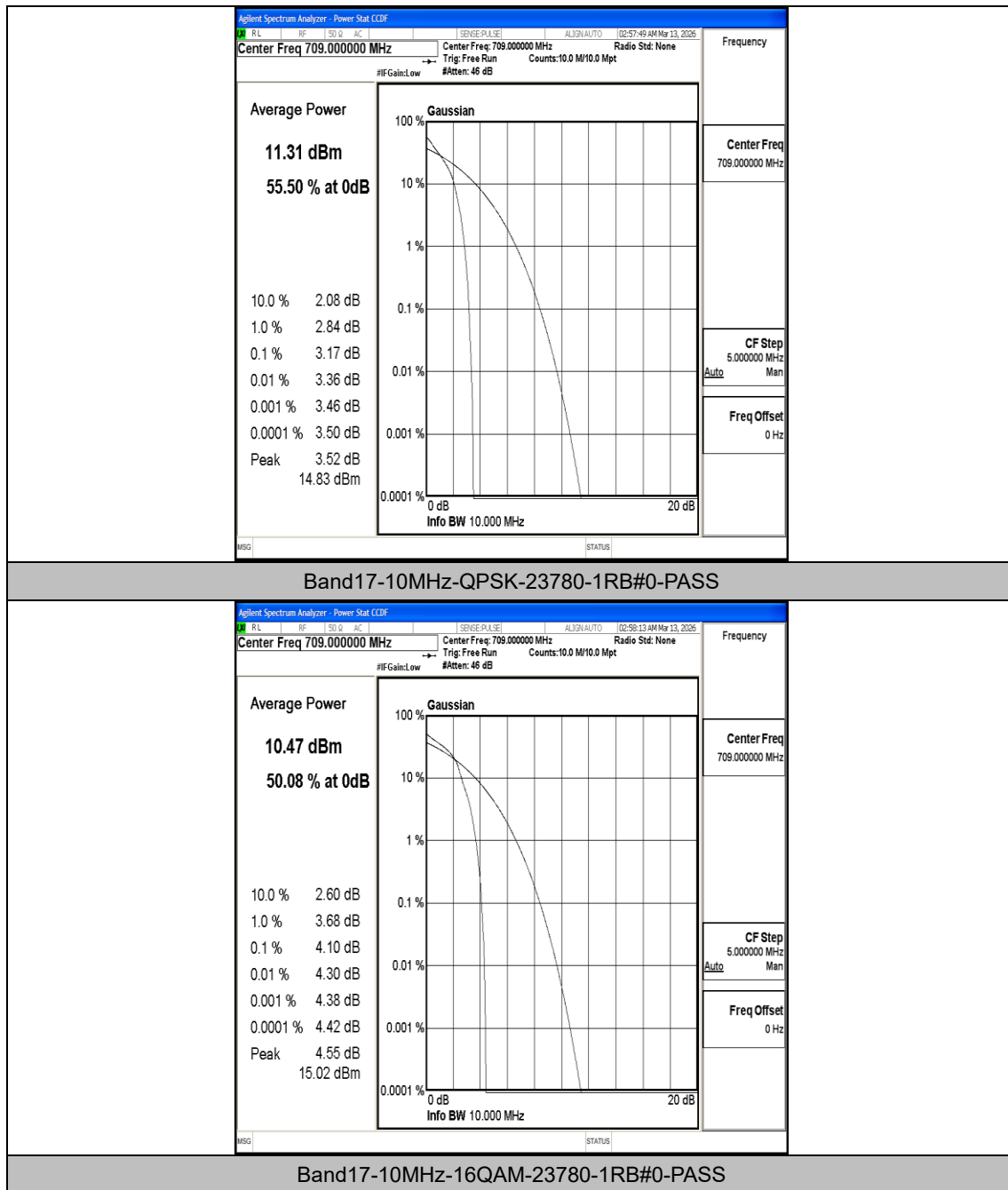


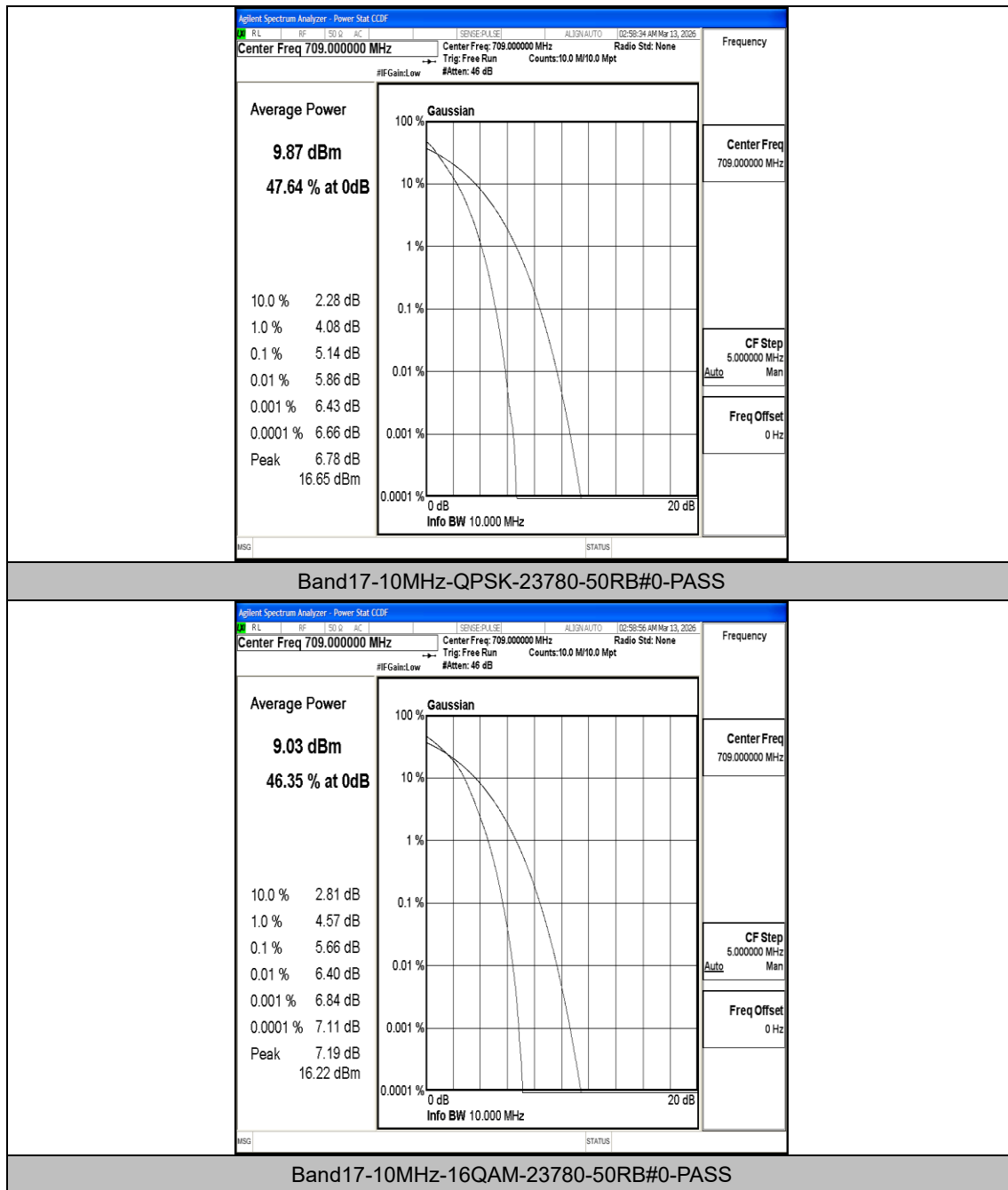


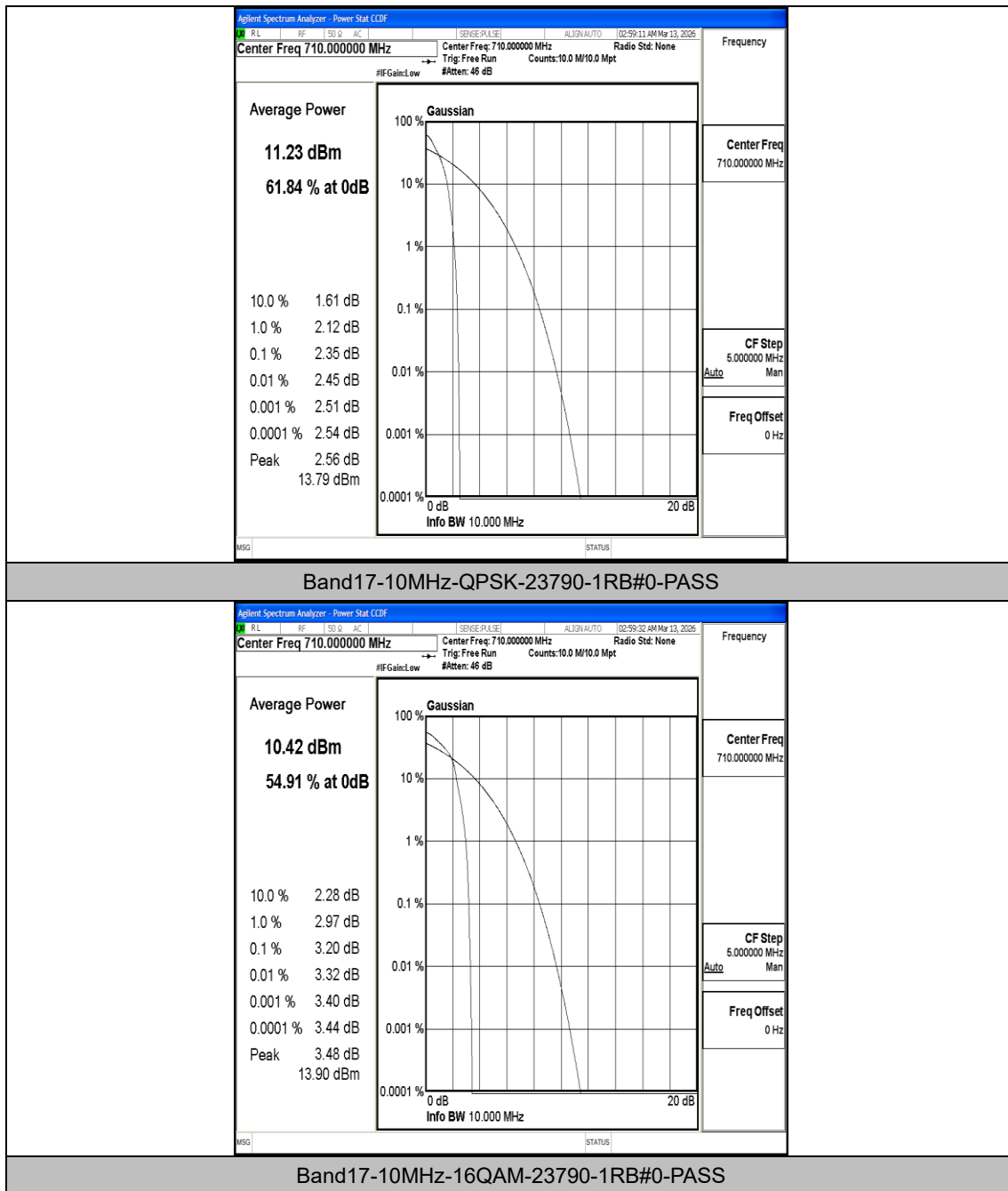


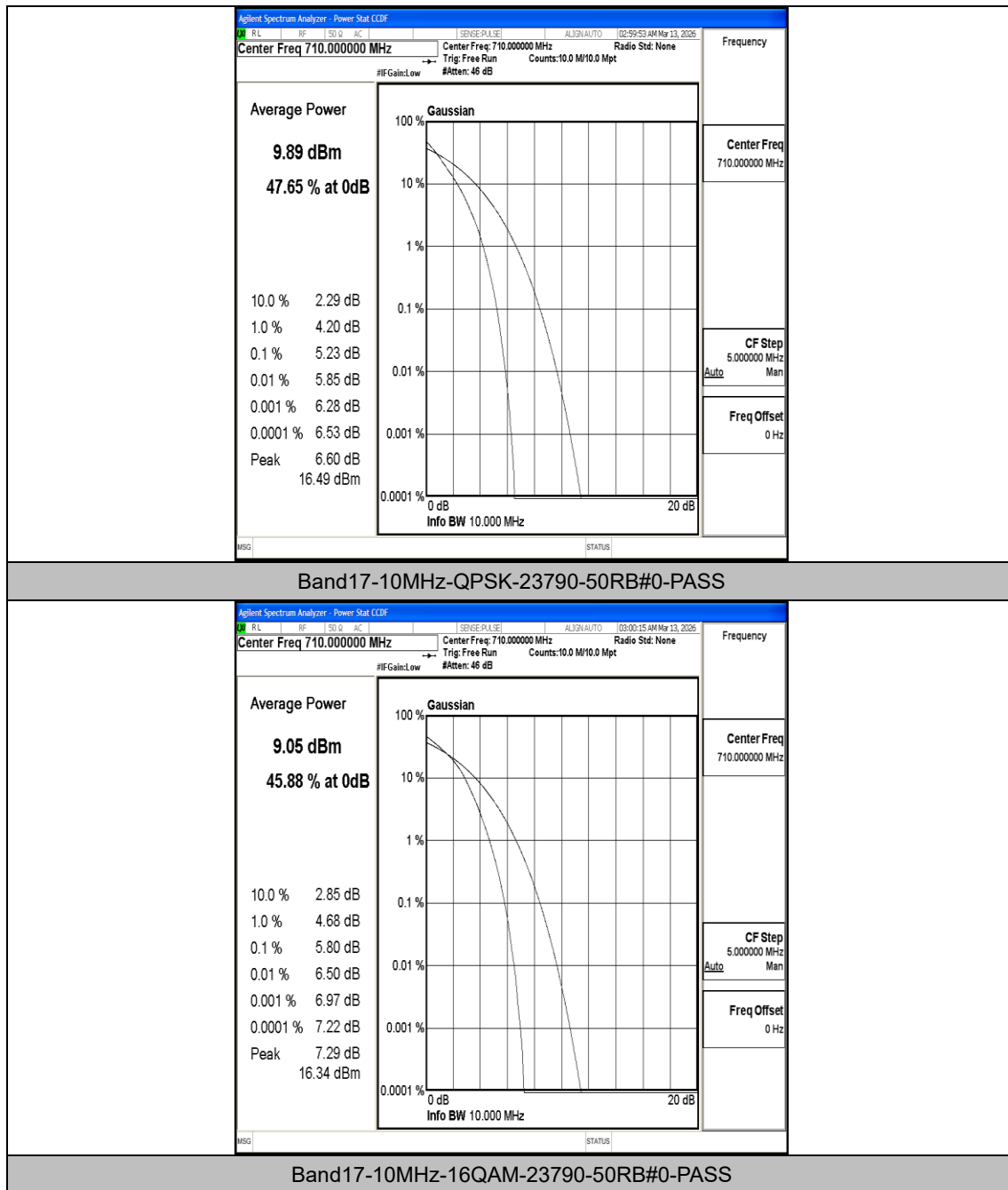


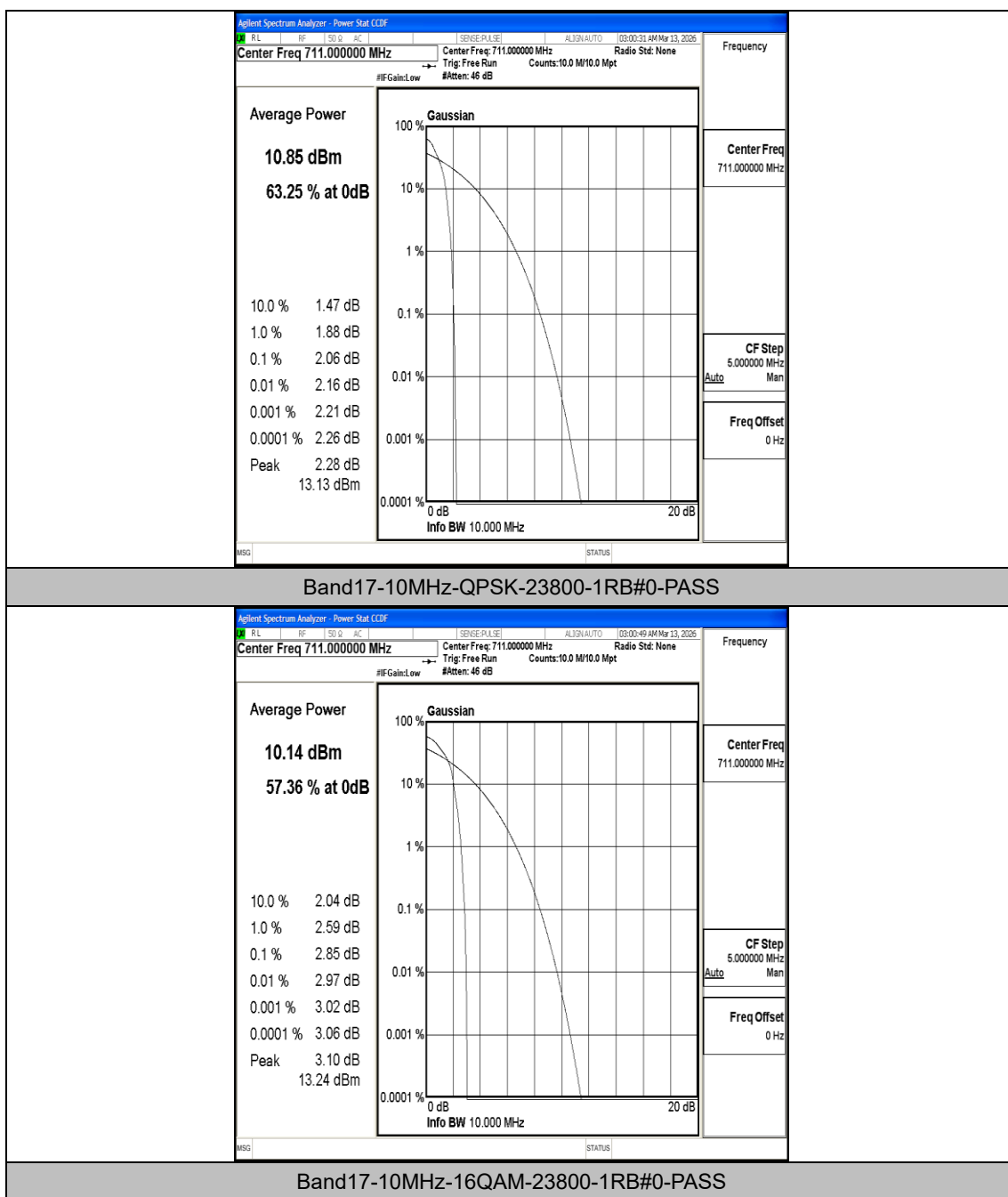


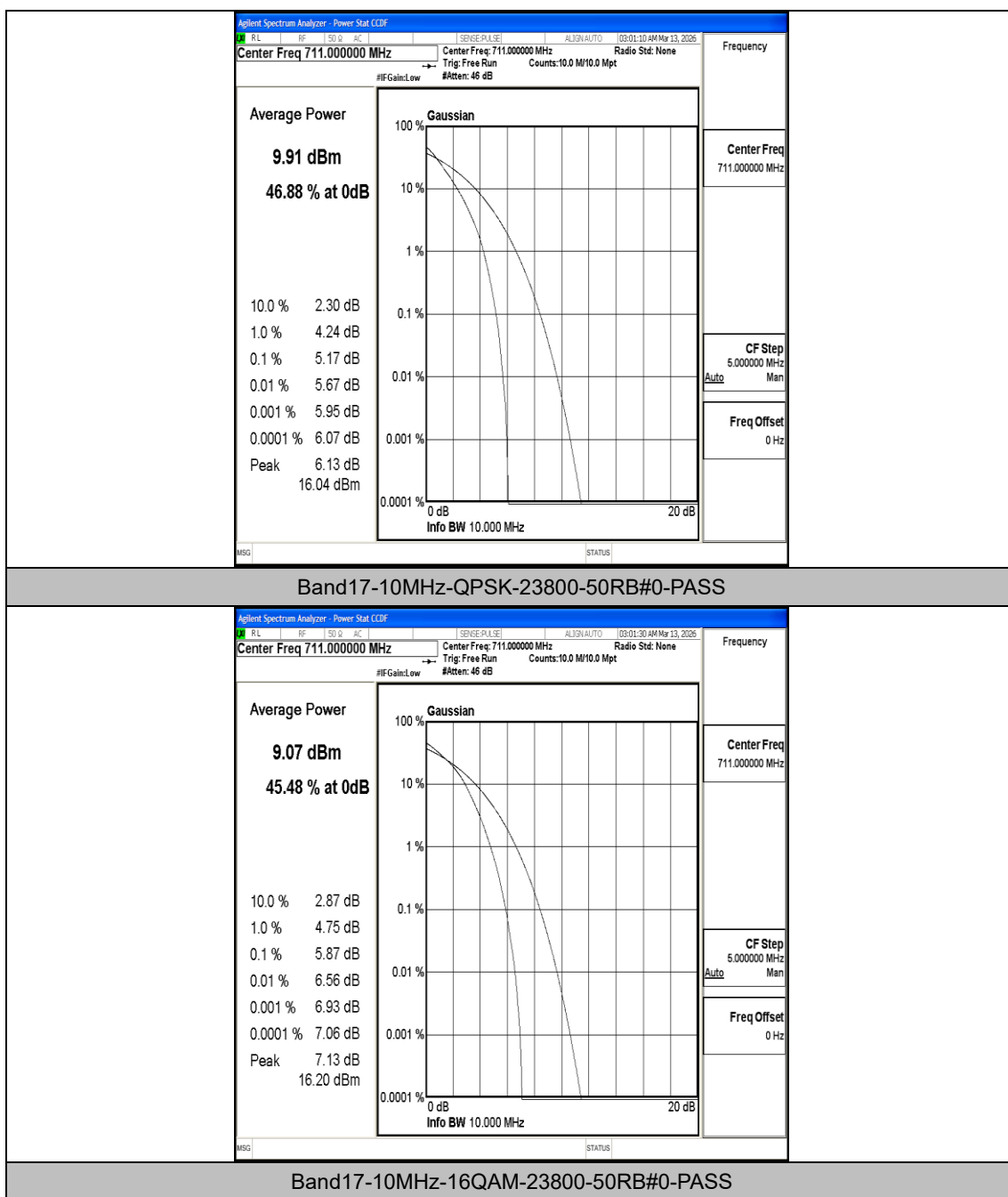










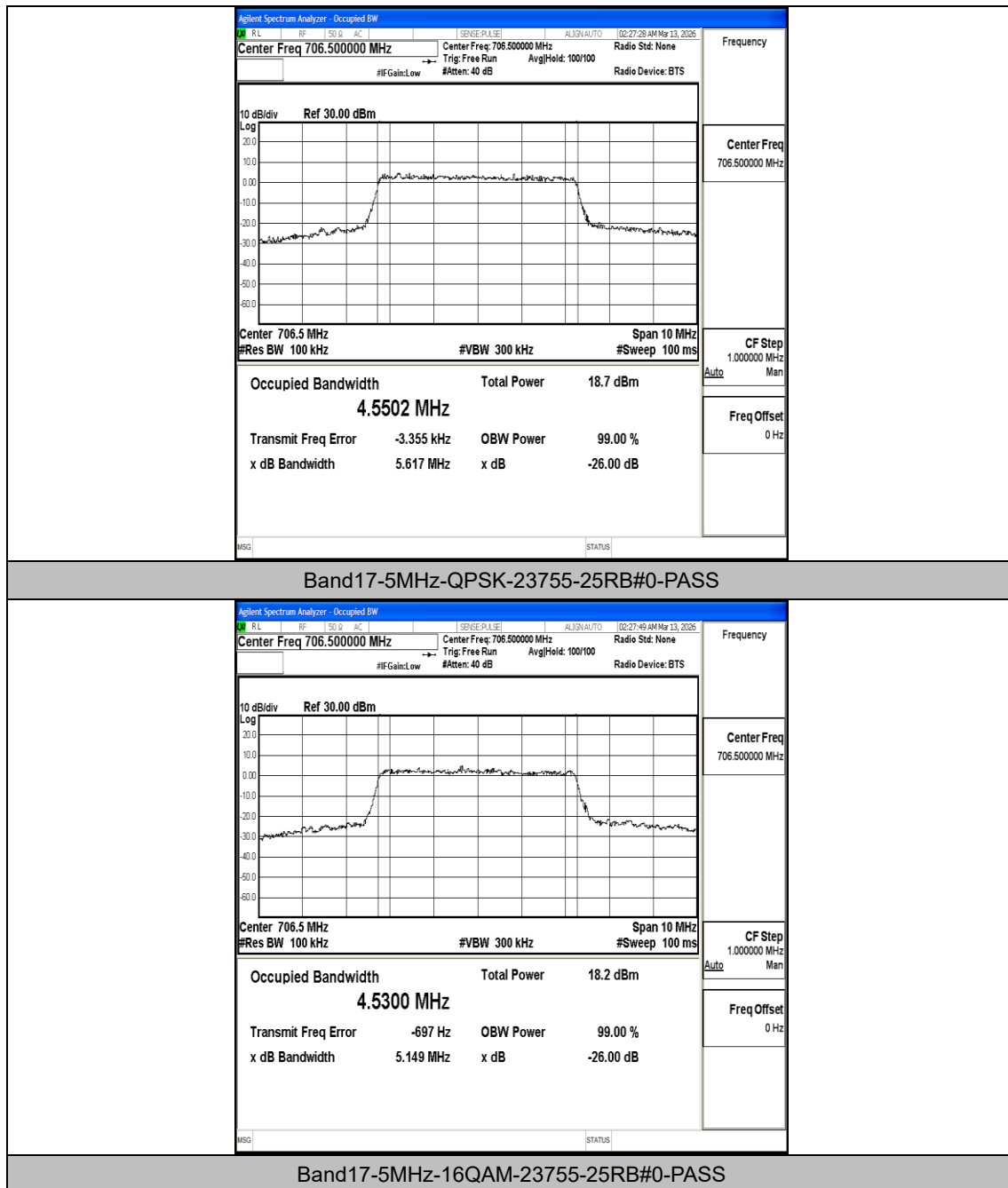


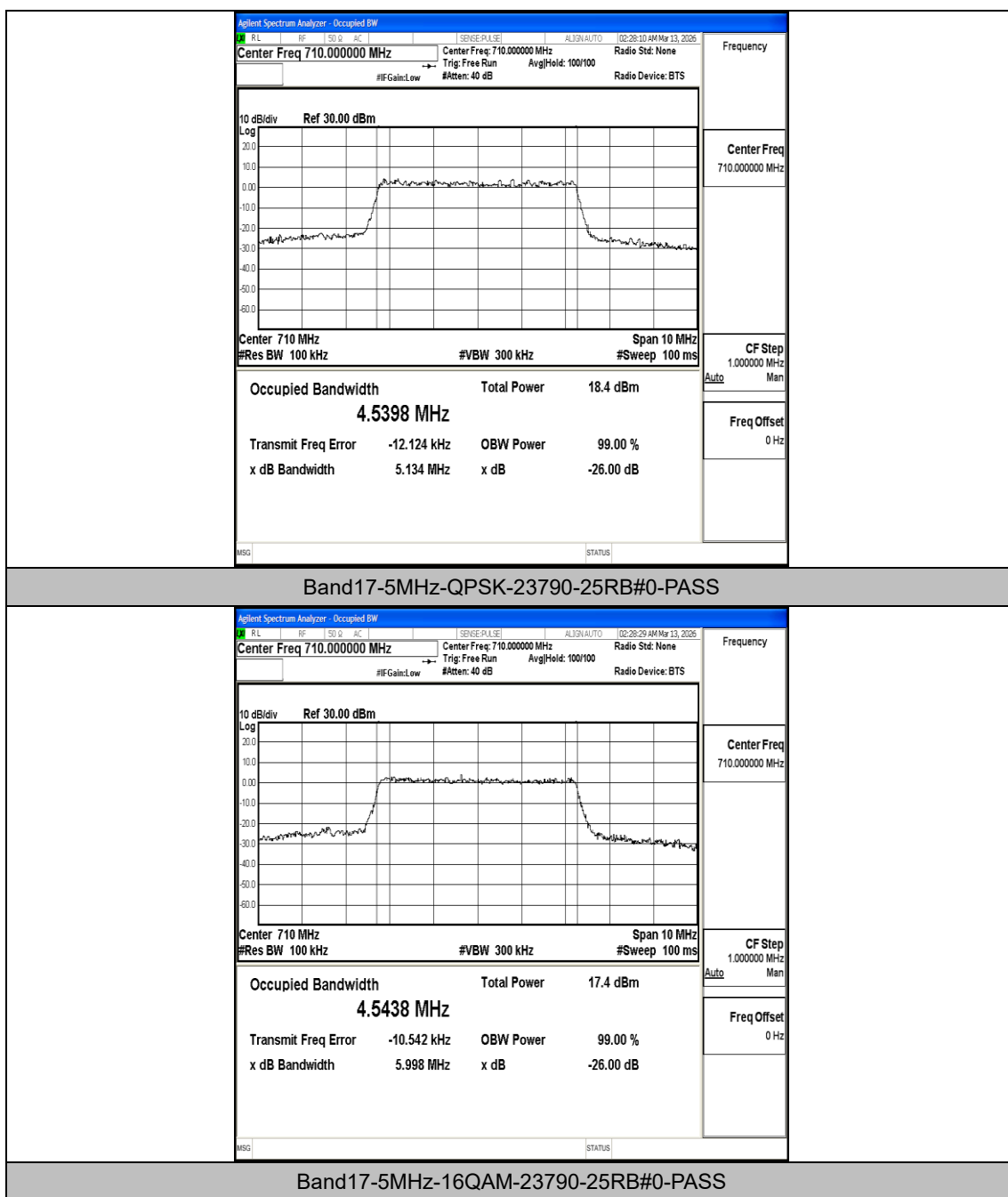
B 26dB Bandwidth and Occupied Bandwidth

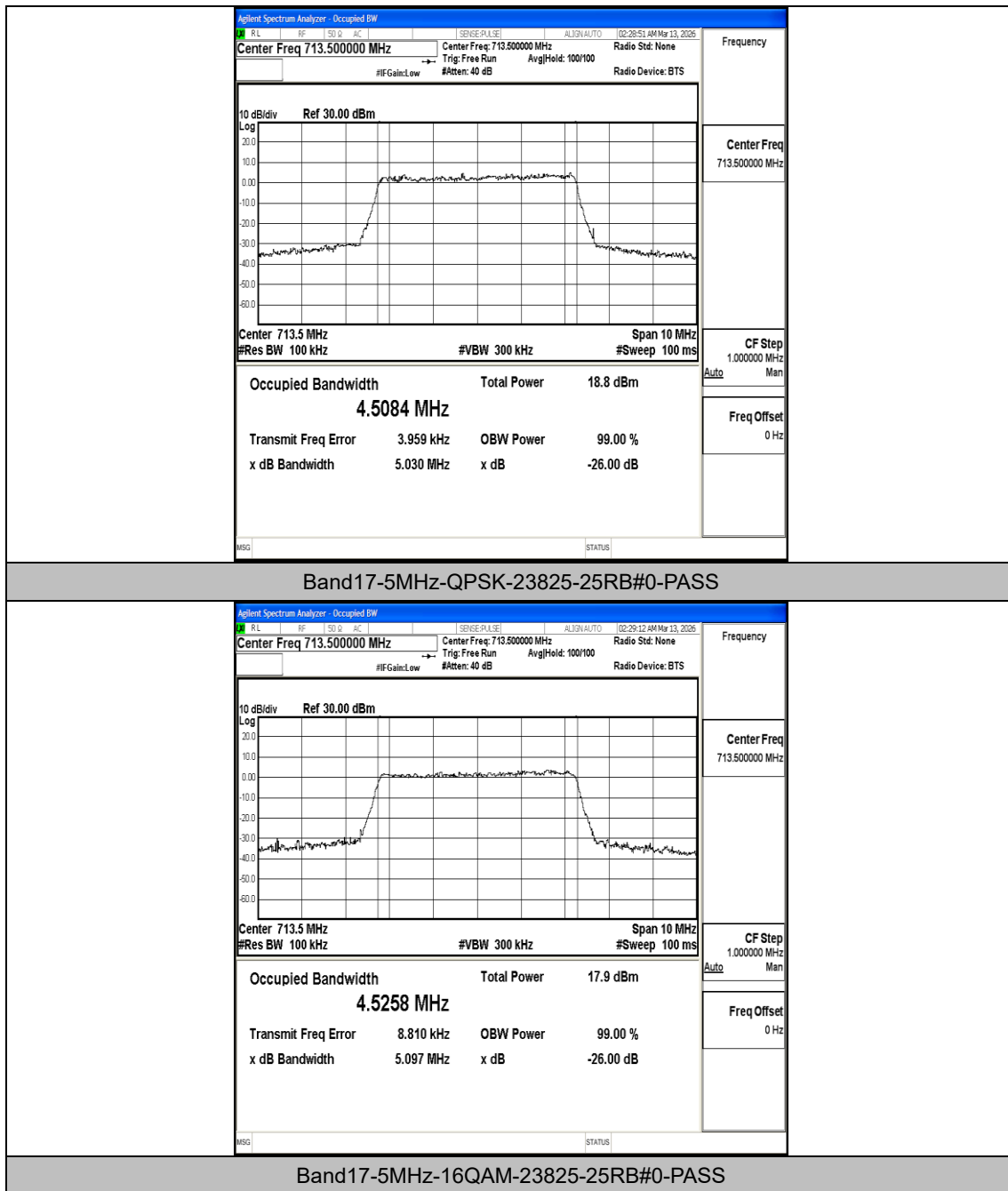
Test Result

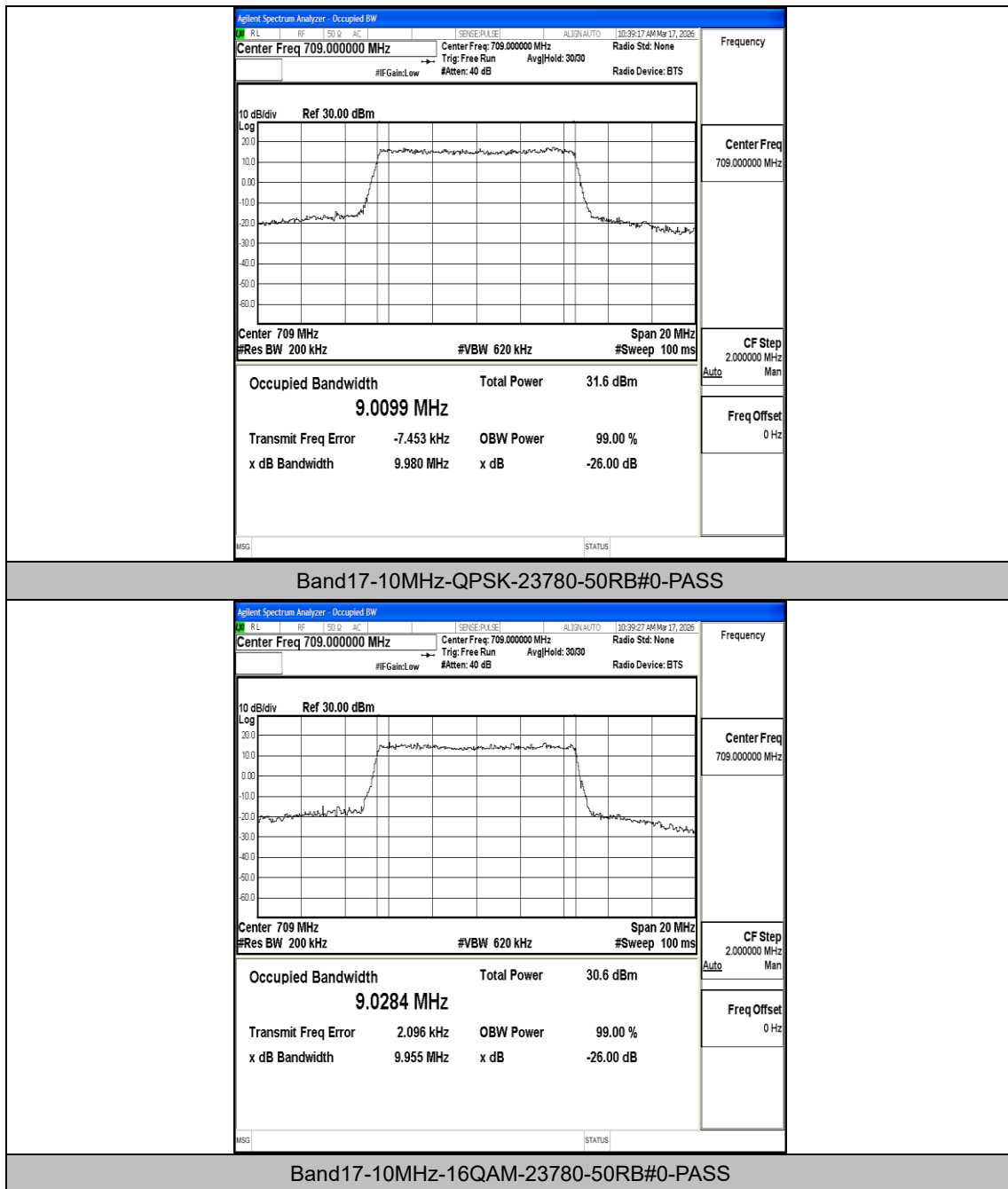
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5502	5.617	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5300	5.149	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5398	5.134	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5438	5.998	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5084	5.030	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5258	5.097	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0099	9.980	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0284	9.955	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0075	10.02	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0143	9.956	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9826	9.980	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9776	9.914	PASS

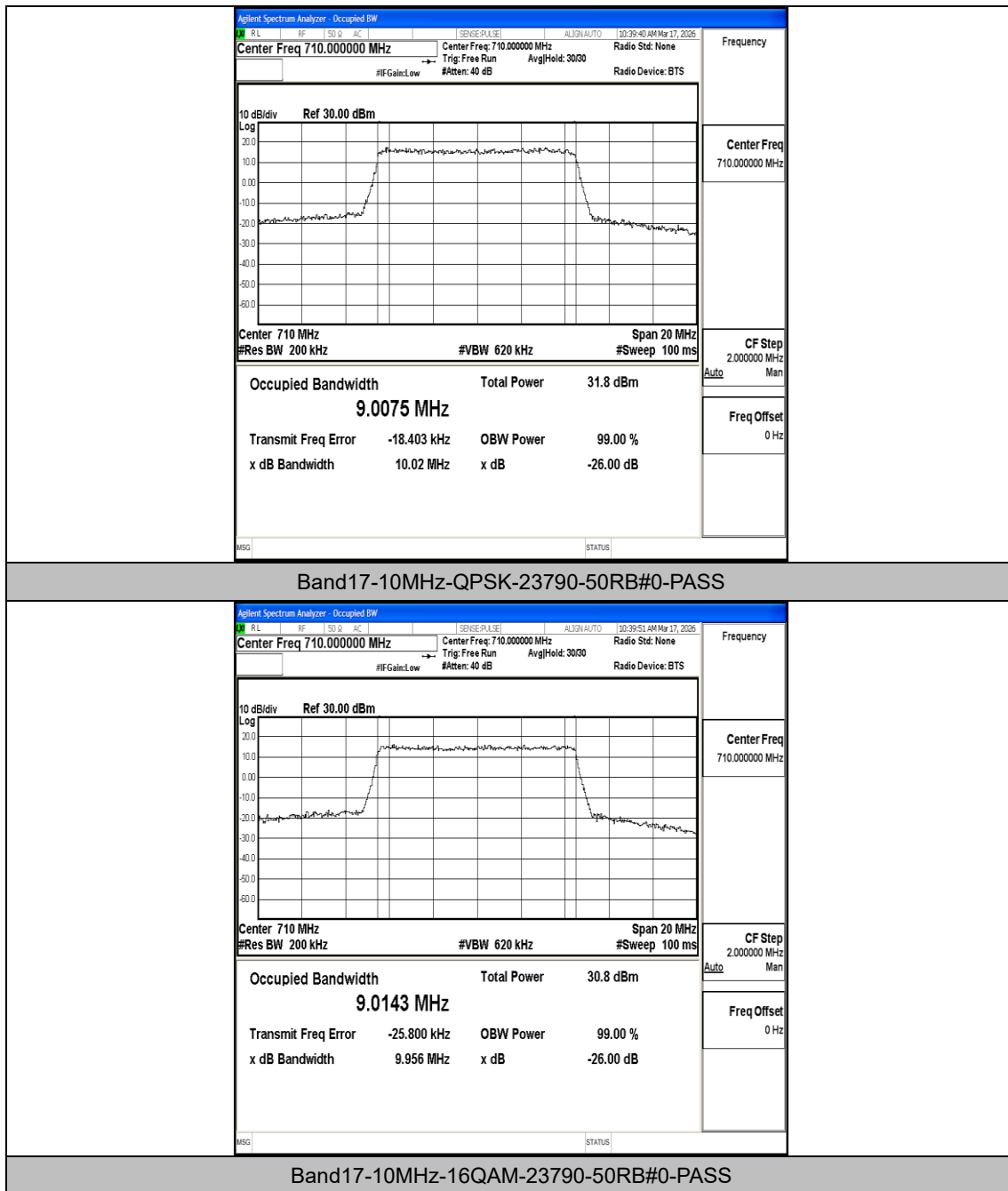
Test Graphs

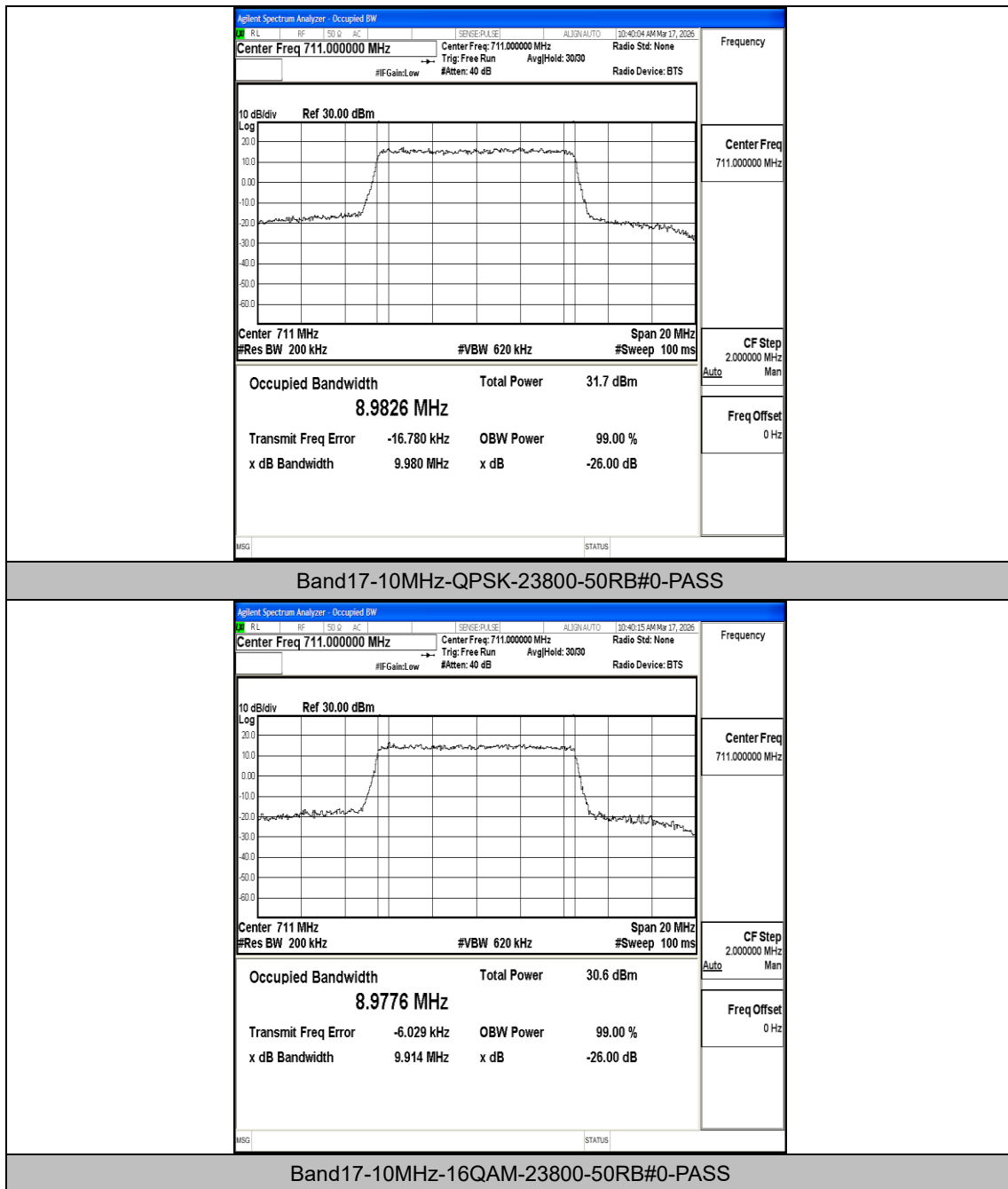










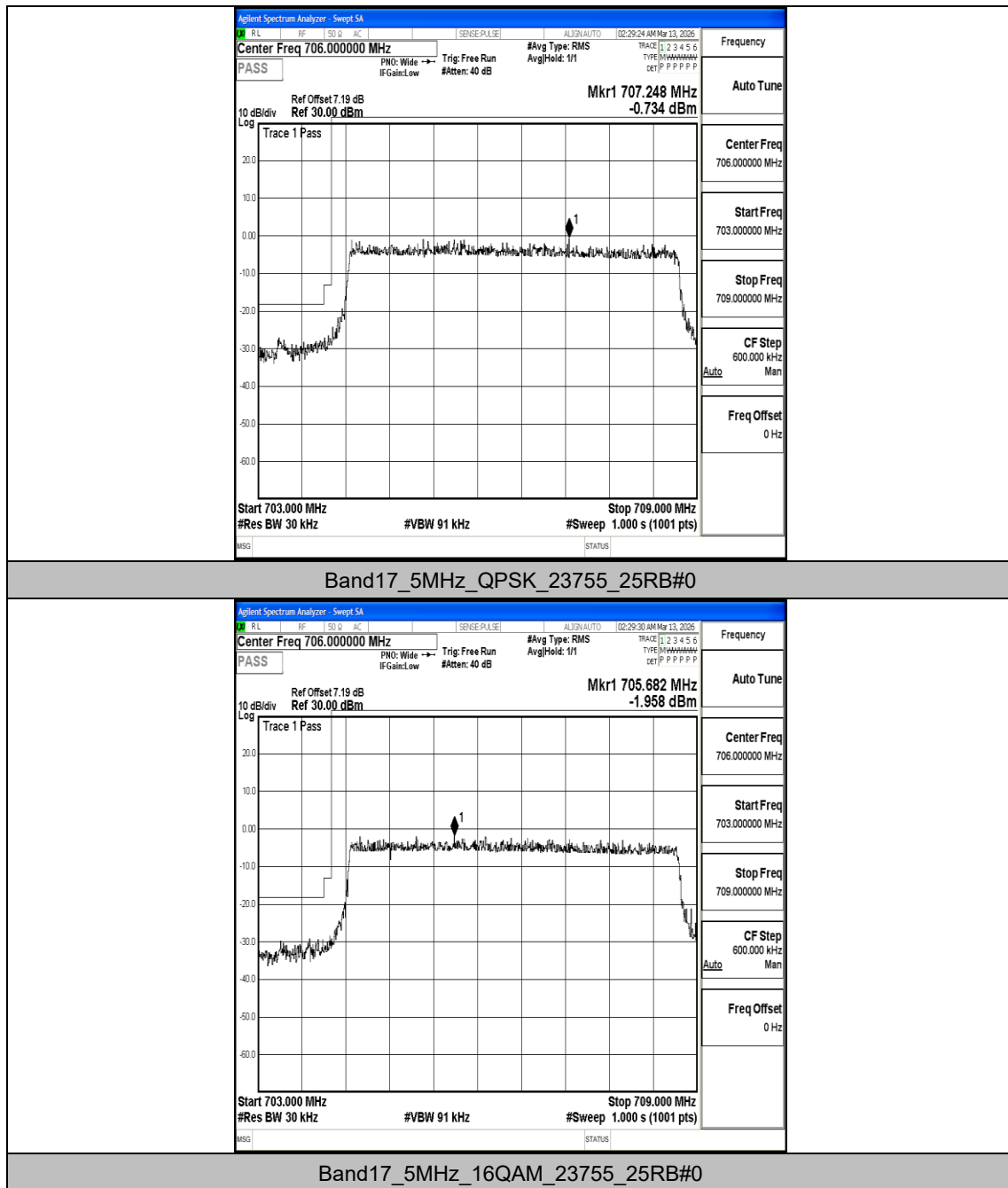


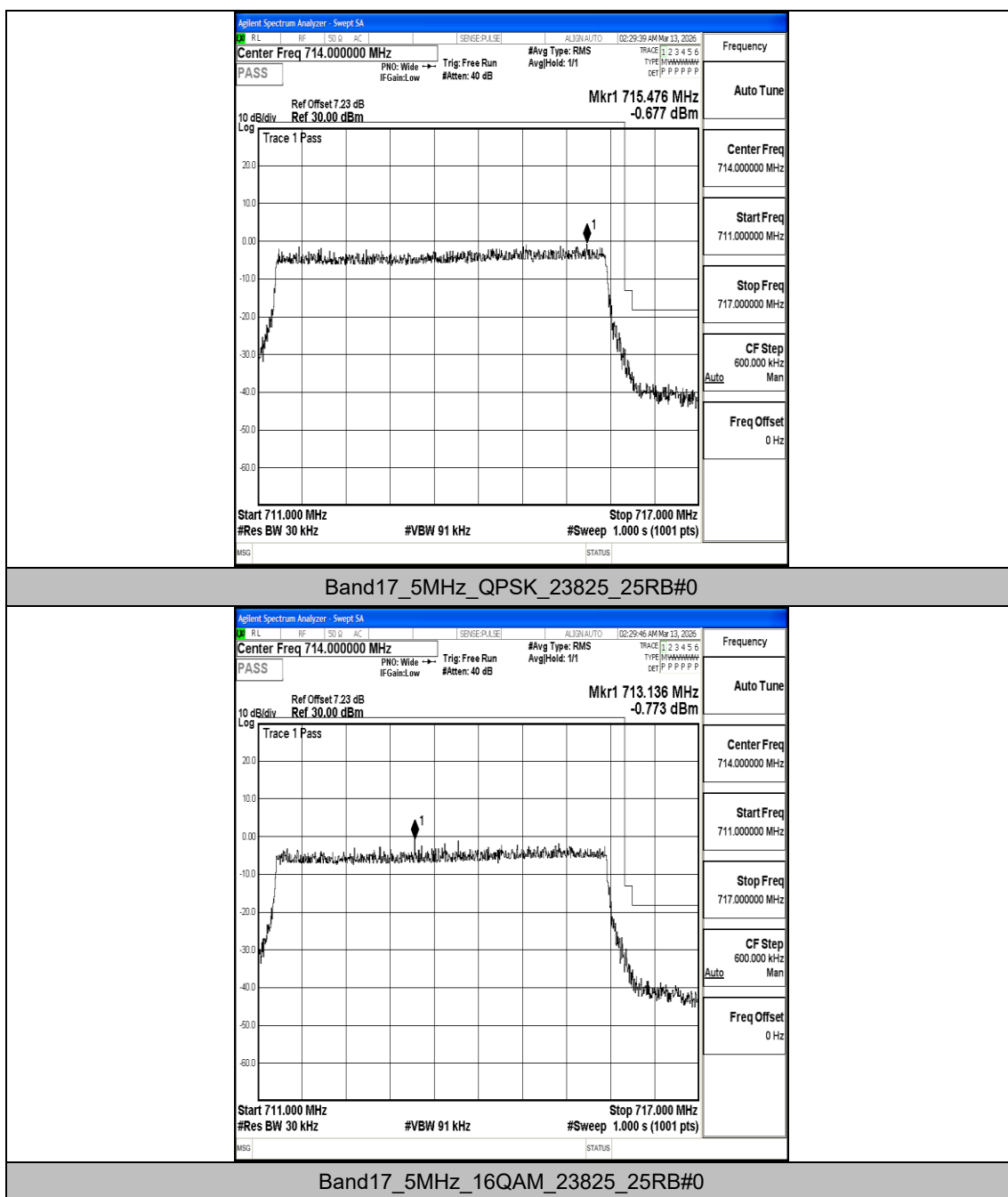
C Band Edge

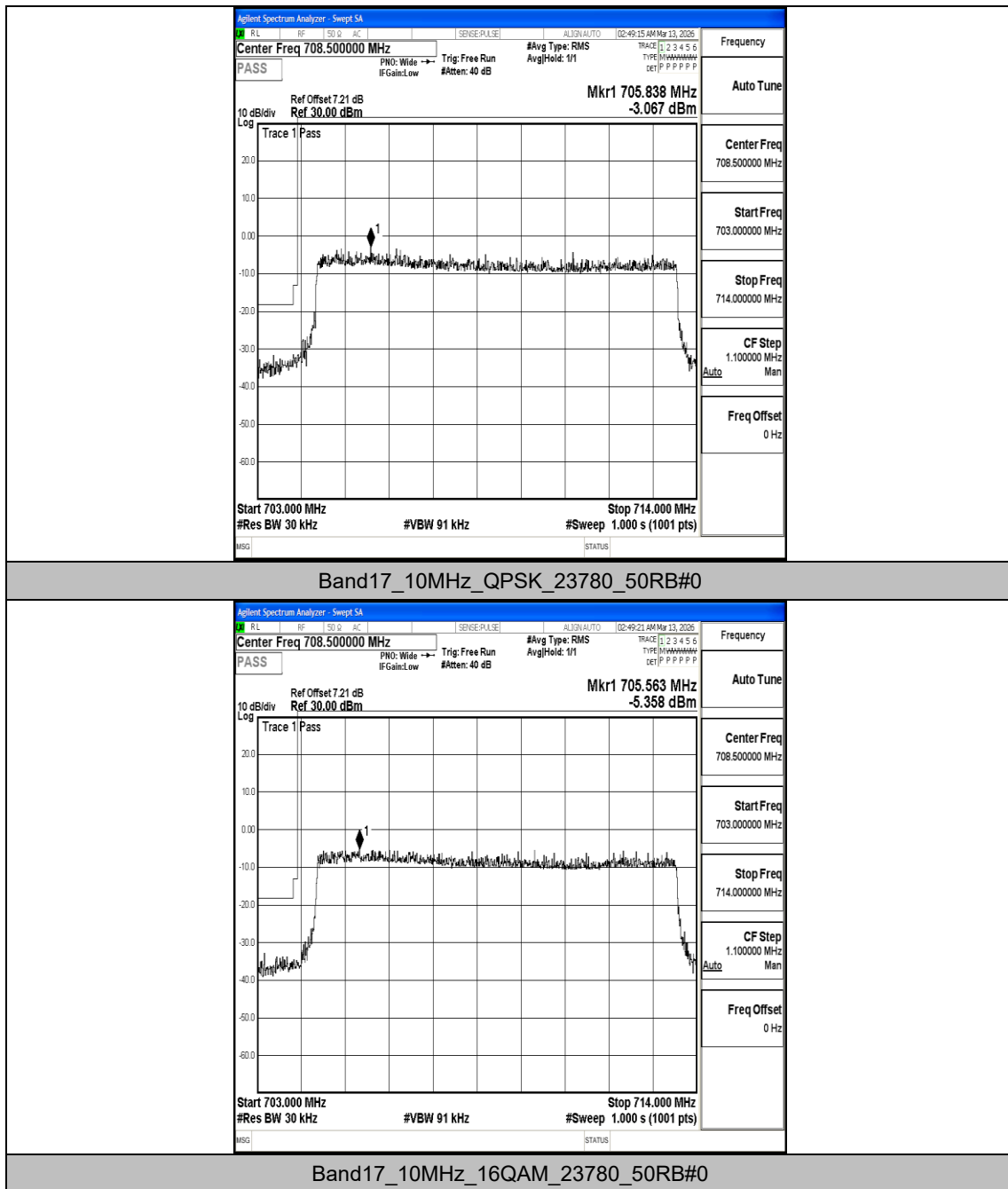
Test Result

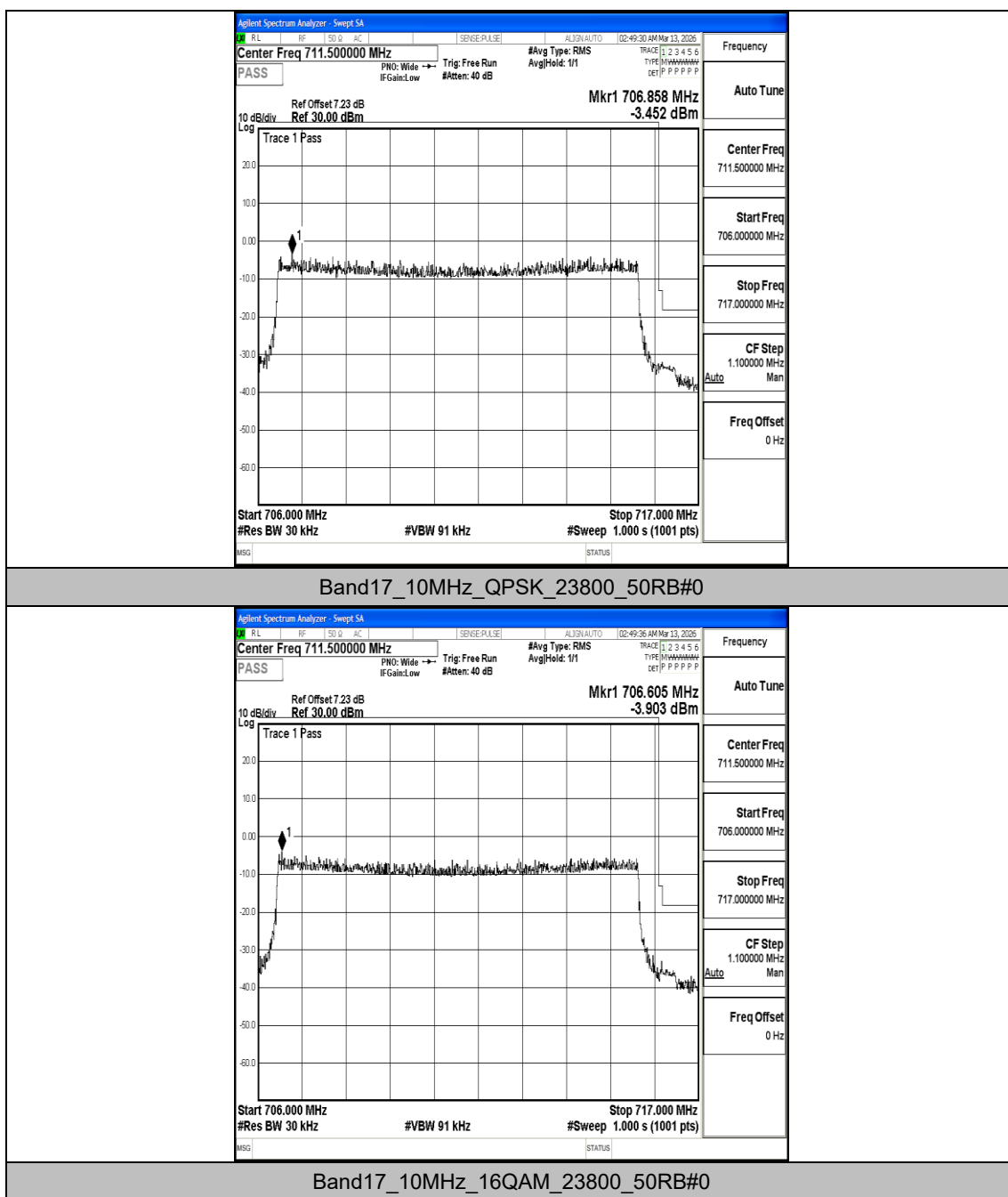
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.29	-27.09	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.71	-29.16	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.11	-35.82	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.01	-29.86	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.42	-31.67	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.19	-32.79	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.27	-33.00	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.18	-35.26	PASS

Test Graphs









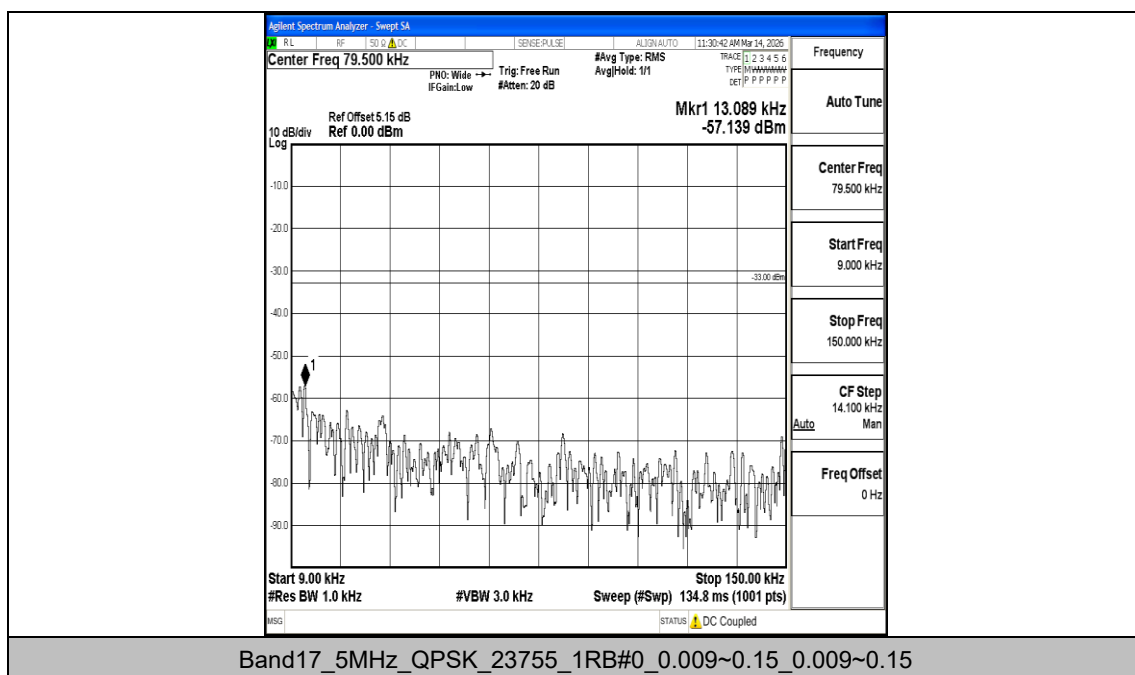
D Conducted Spurious Emission

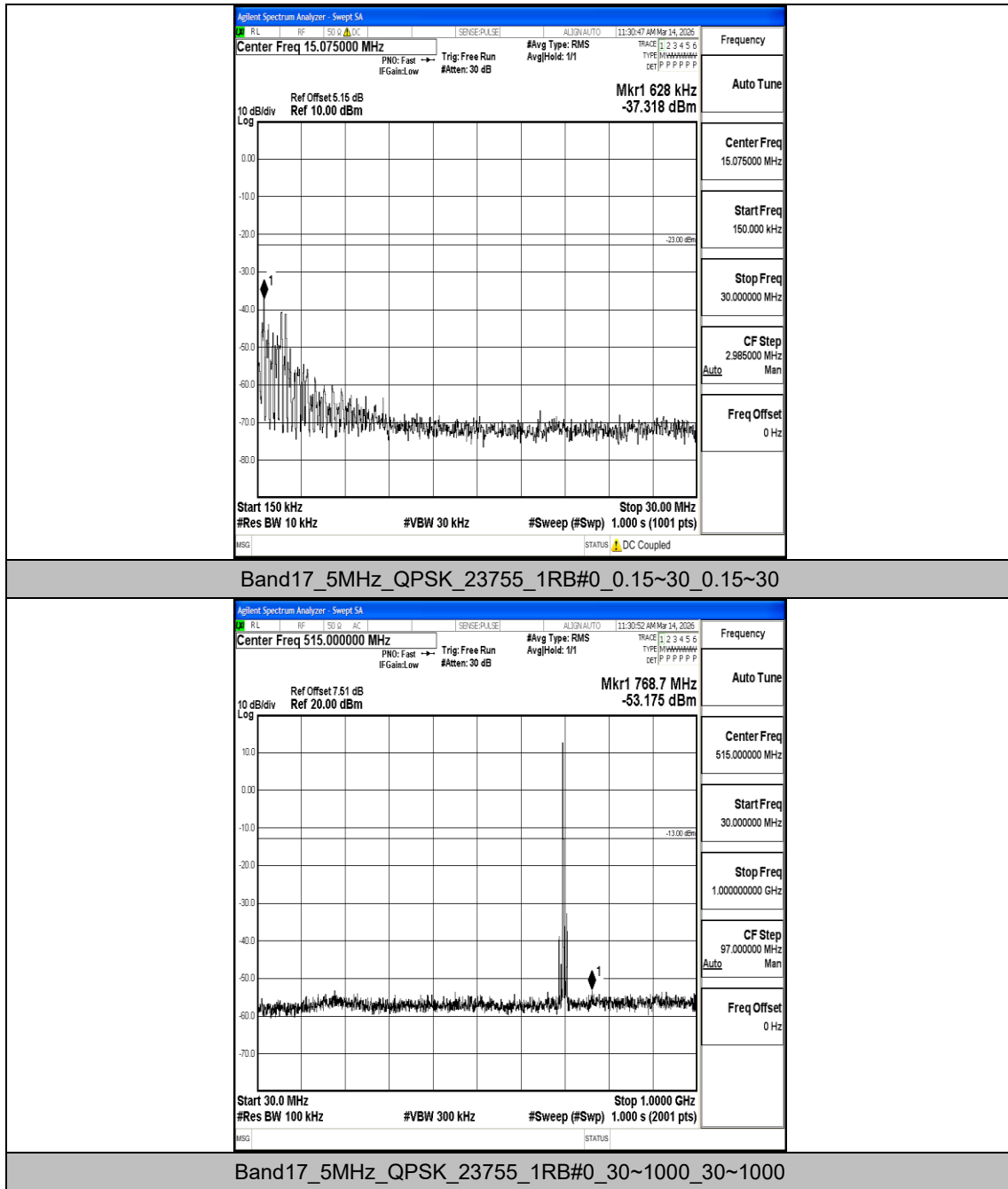
Test Result

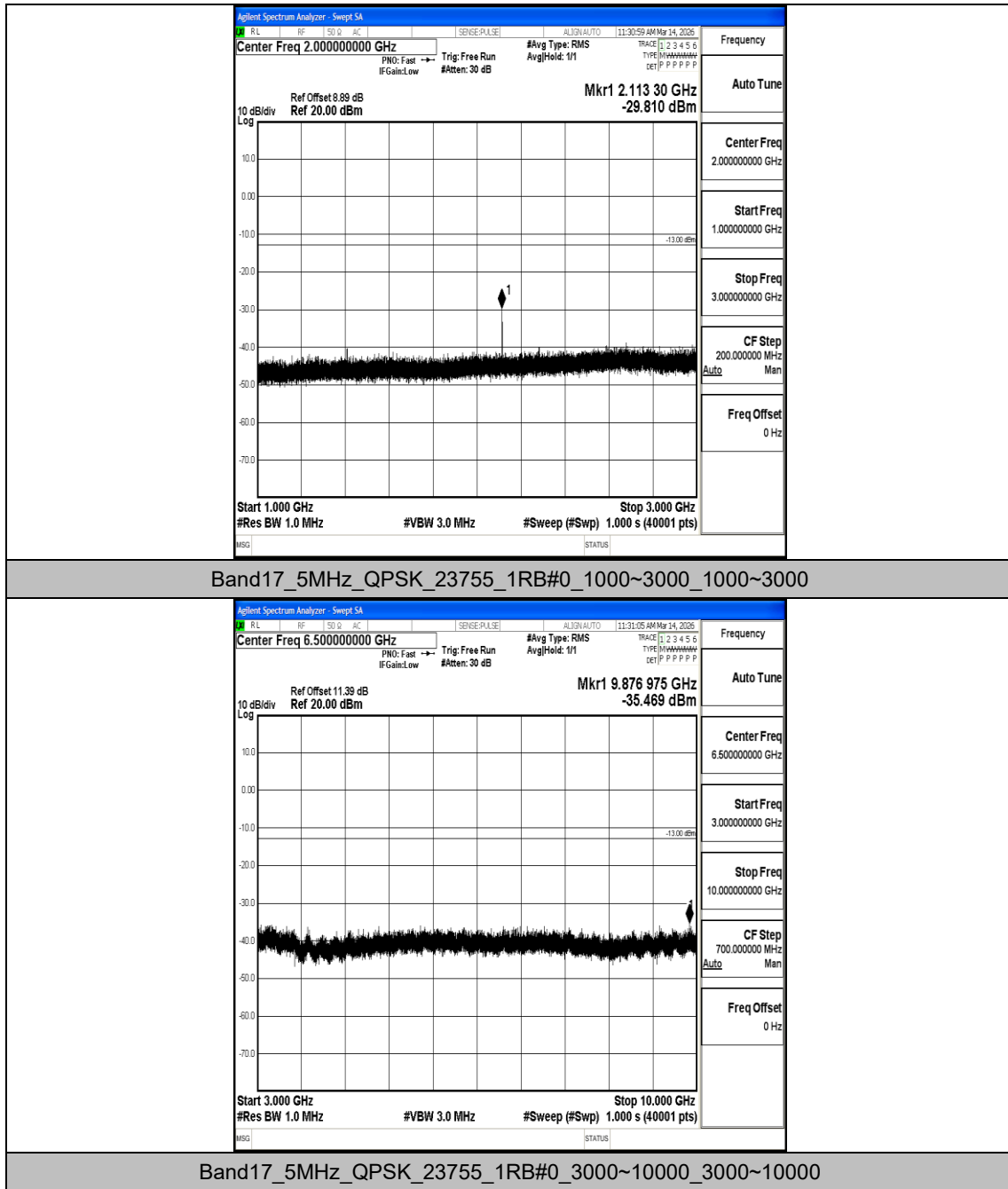
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-57.14	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-37.32	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-53.18	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-29.81	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-35.47	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-58.13	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-40.82	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-53.03	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-33.38	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.22	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-55.12	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-39.86	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-53.10	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-28.54	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-35.12	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-55.93	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-39.52	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-52.20	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-29.30	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-35.24	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-53.53	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-37.09	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-53.11	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-29.42	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-35.14	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-62.07	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-43.50	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-52.78	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-29.49	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-35.18	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-42.50	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-28.89	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-52.75	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-39.04	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-34.40	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-40.89	PASS

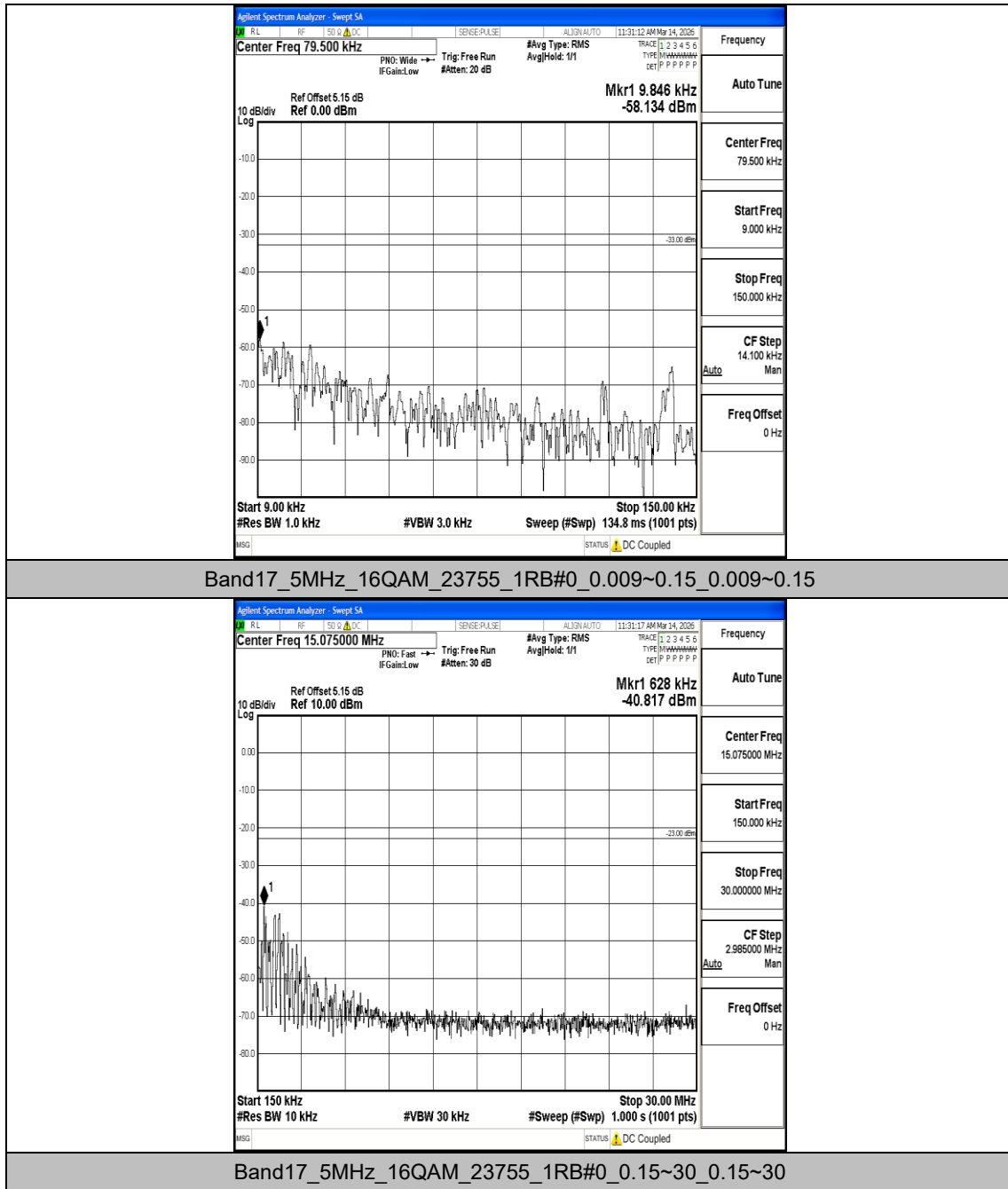
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-24.43	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-52.48	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-37.16	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-35.06	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-40.83	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-23.21	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-52.38	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-38.59	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-34.85	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-42.36	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-23.28	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-52.99	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-39.00	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-34.70	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-40.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-23.50	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-52.89	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-38.53	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-34.75	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-41.90	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-25.48	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-50.66	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-39.14	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-34.98	PASS

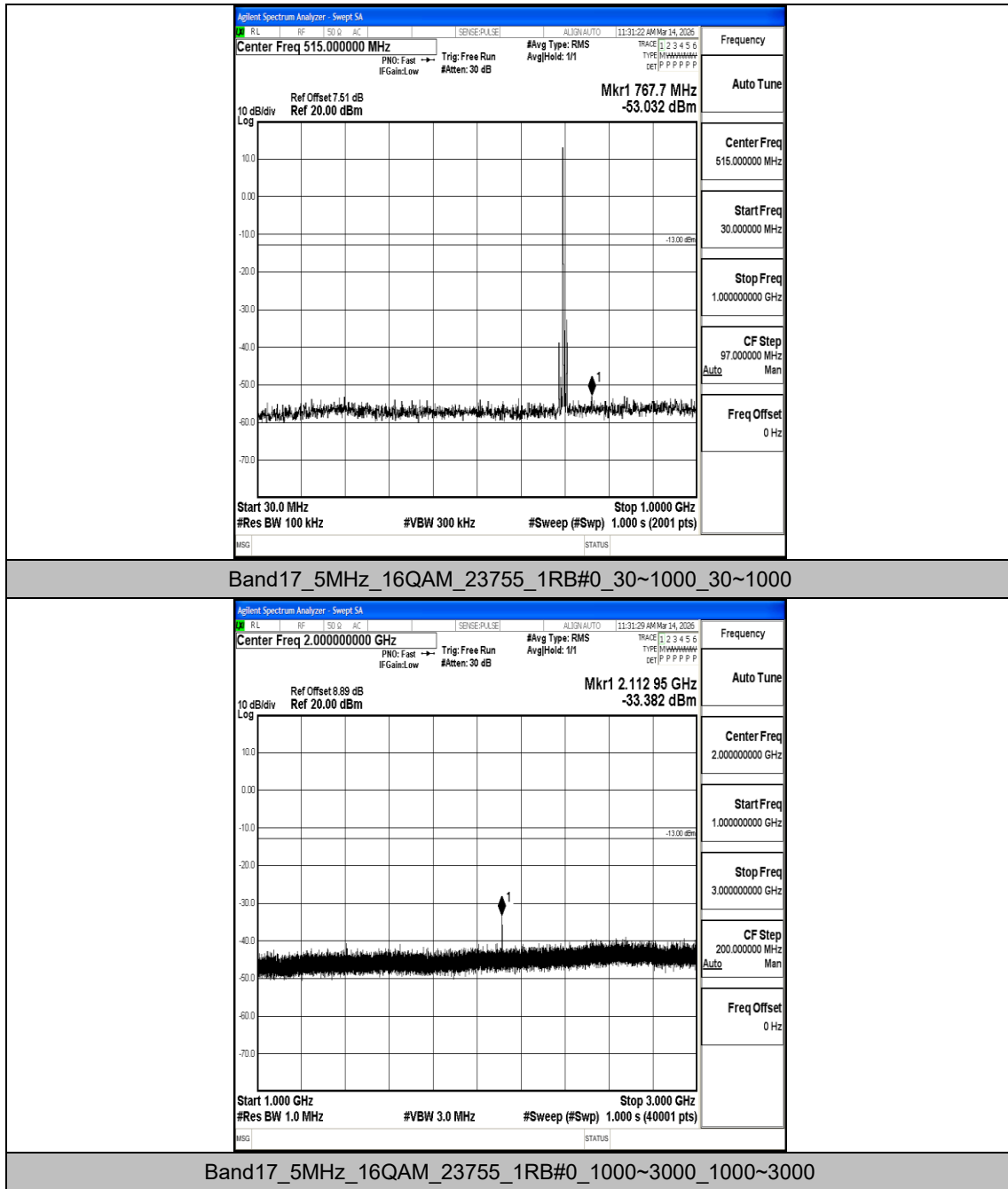
Test Graphs

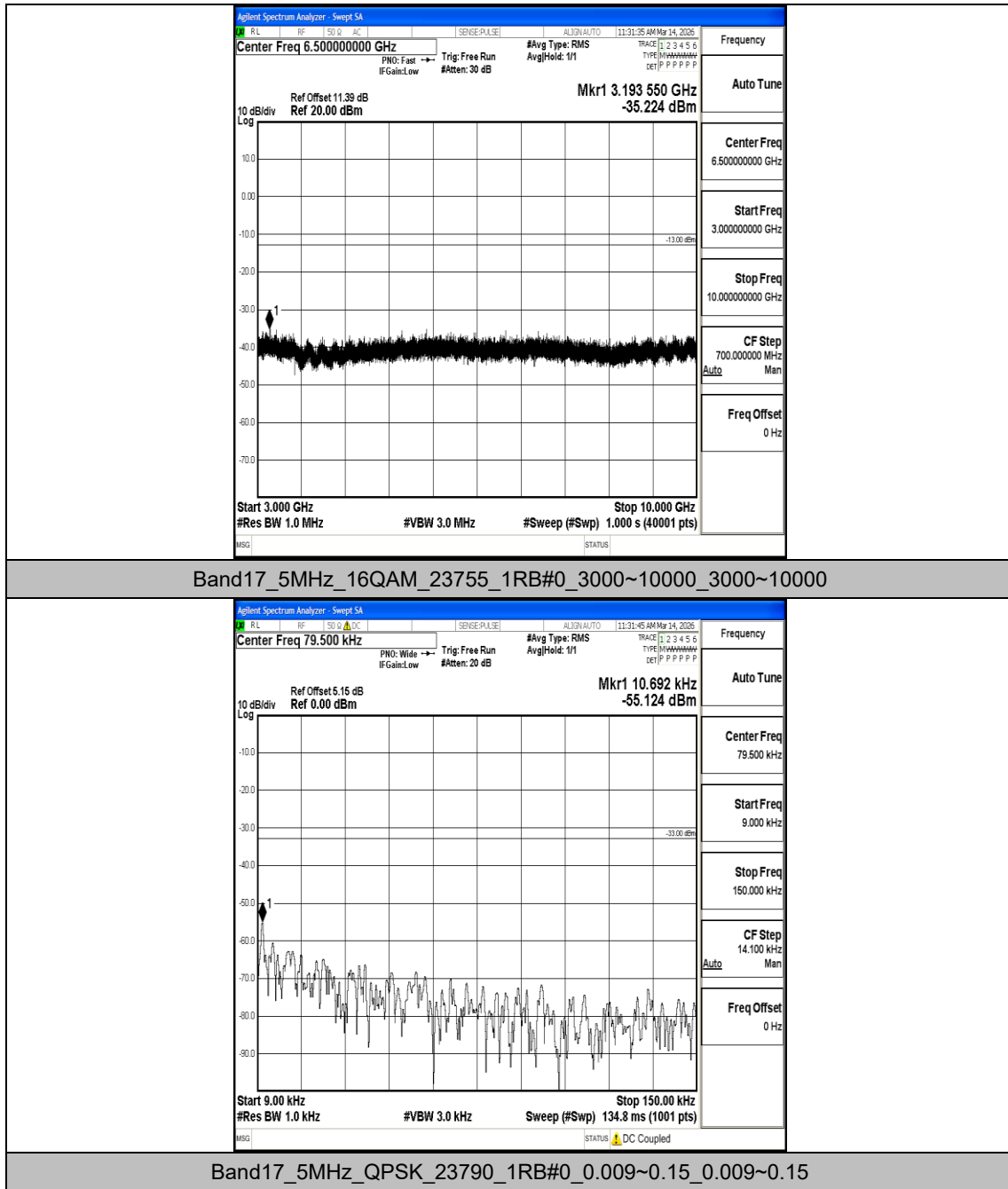


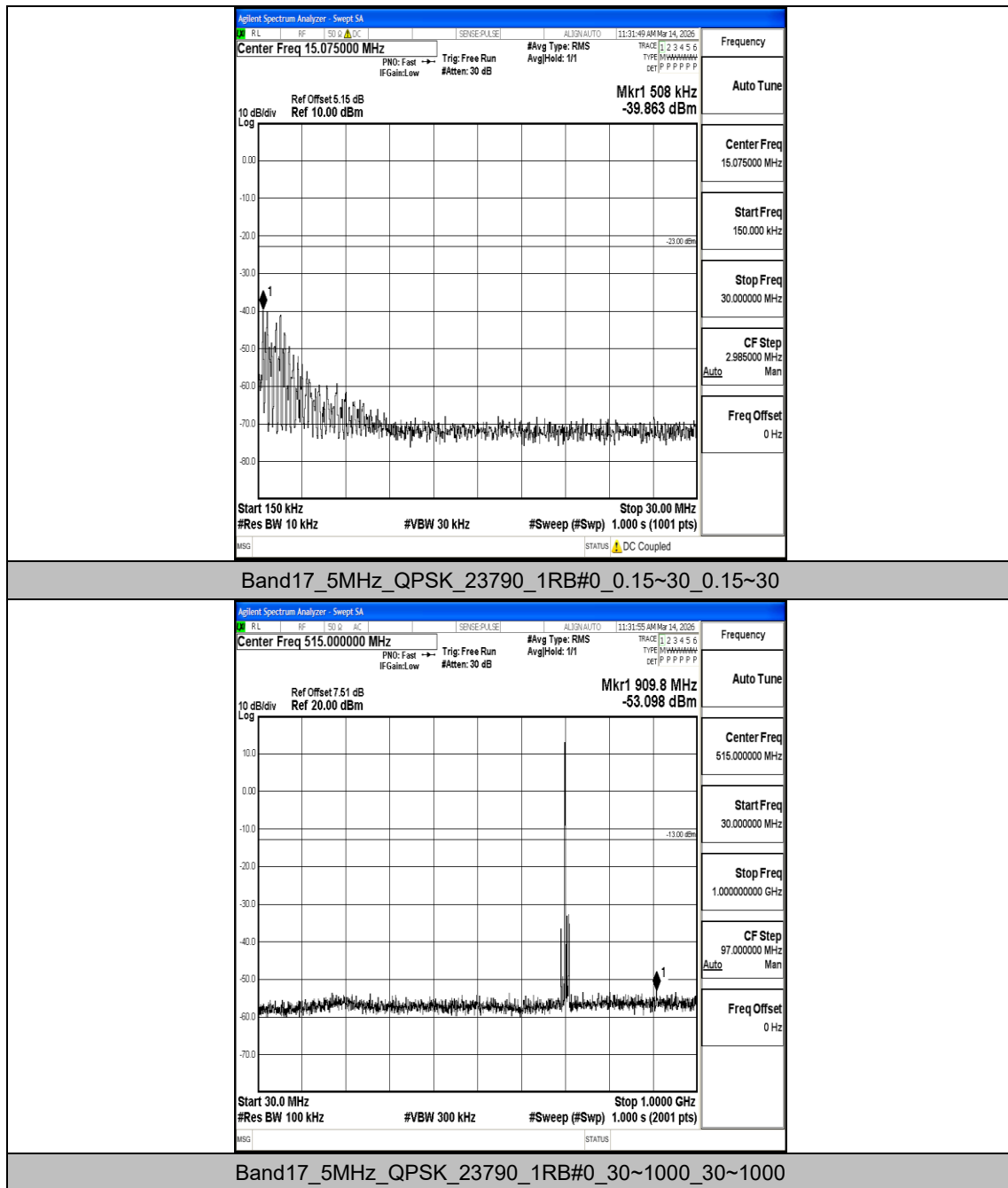


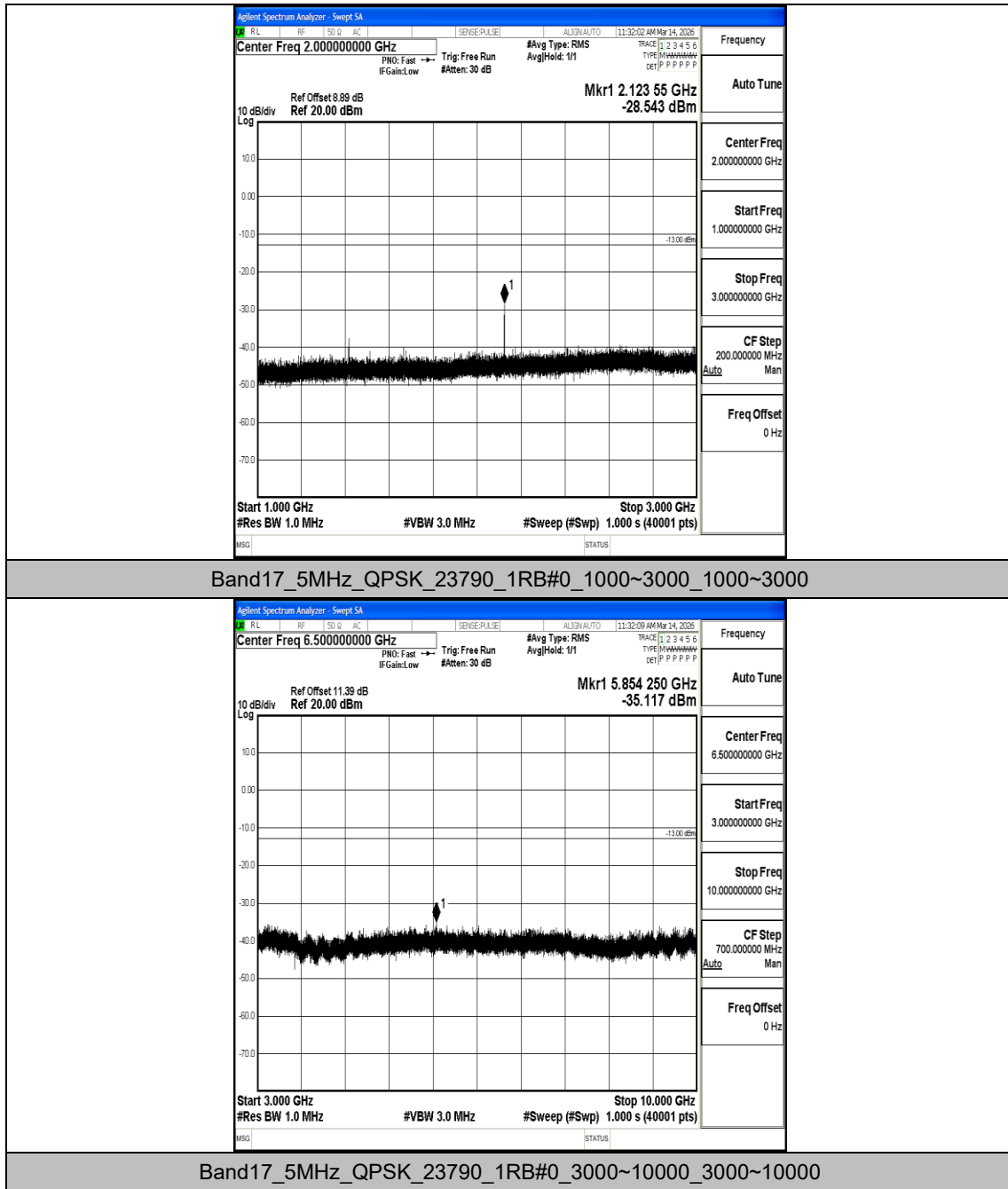


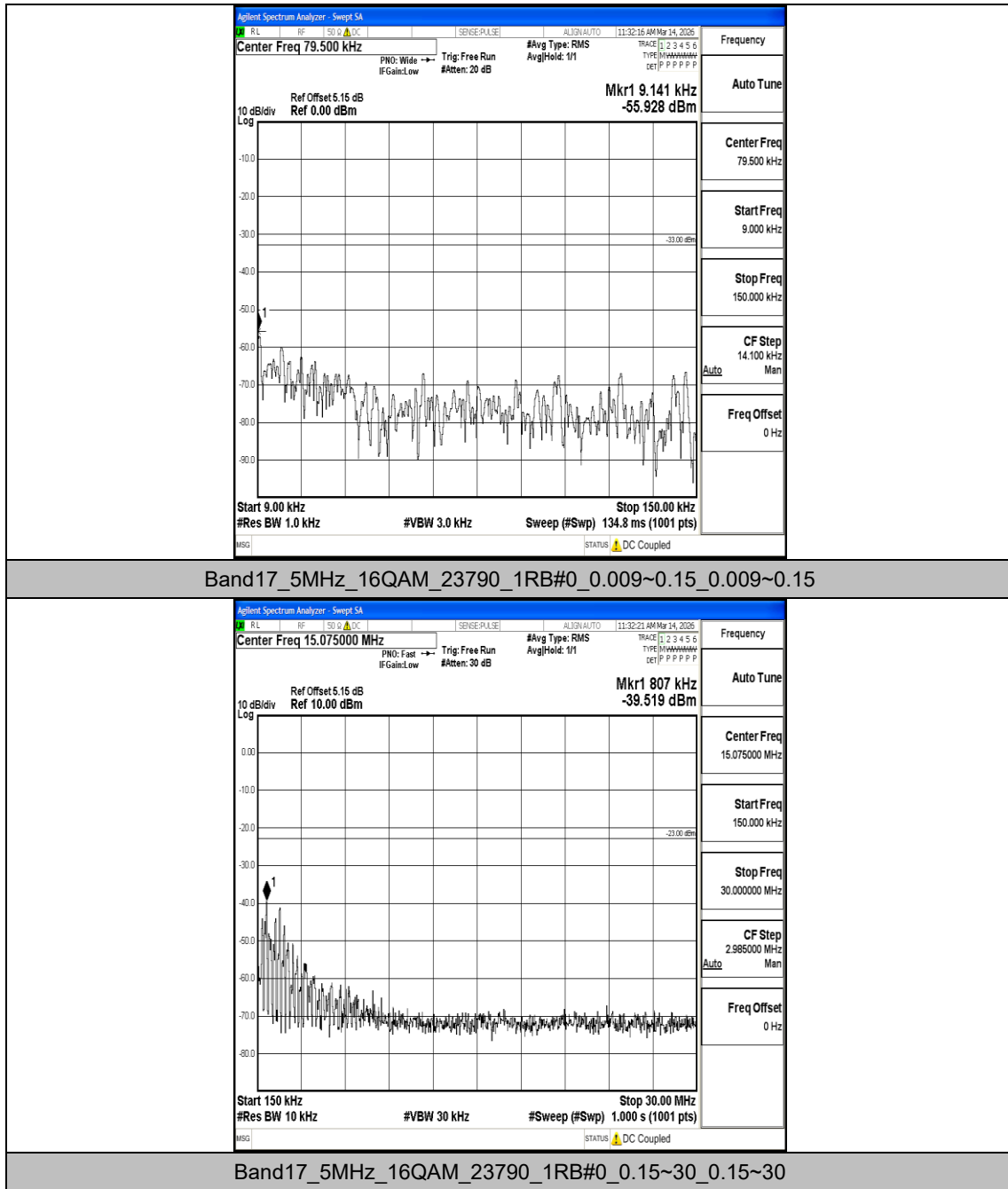


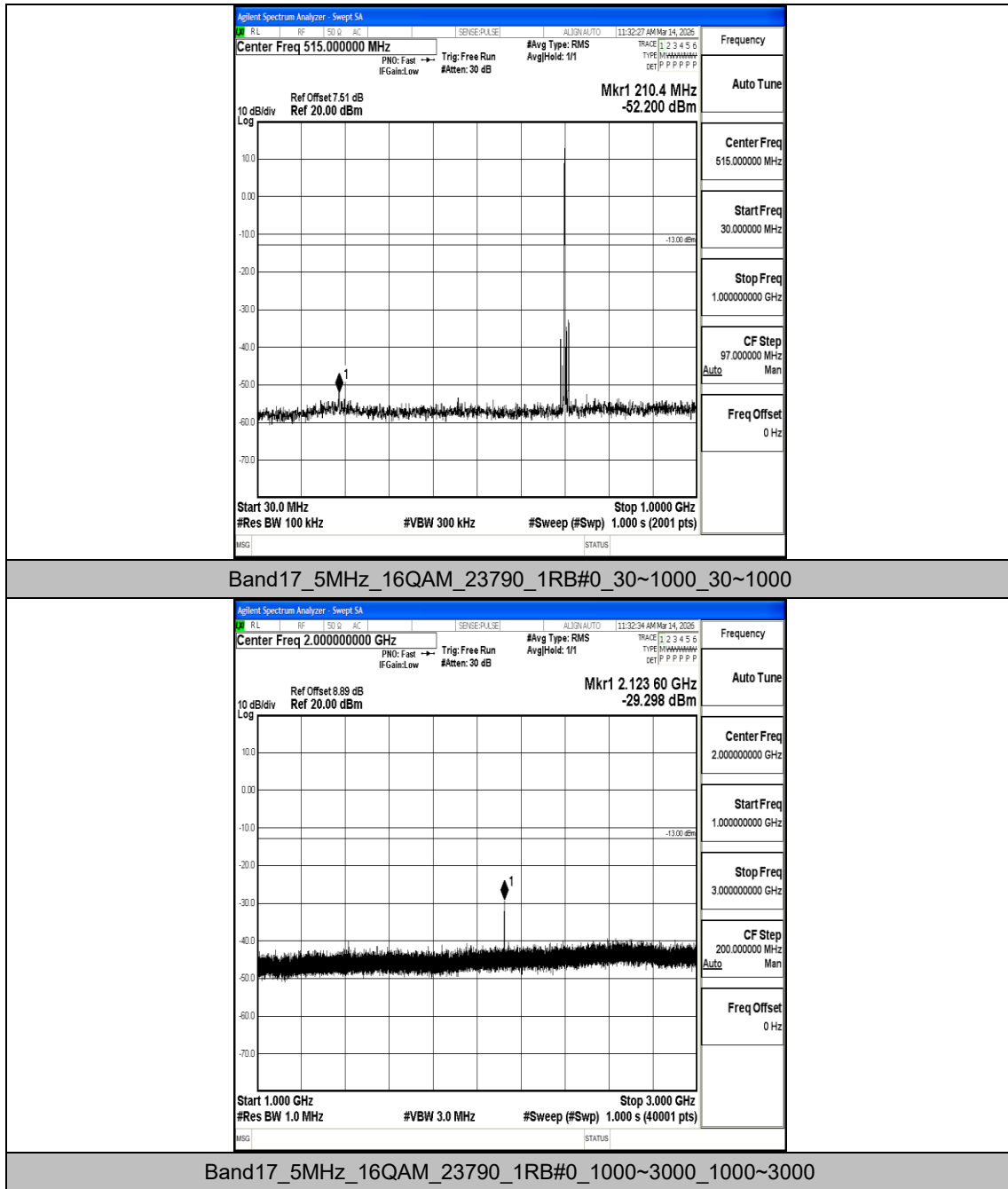


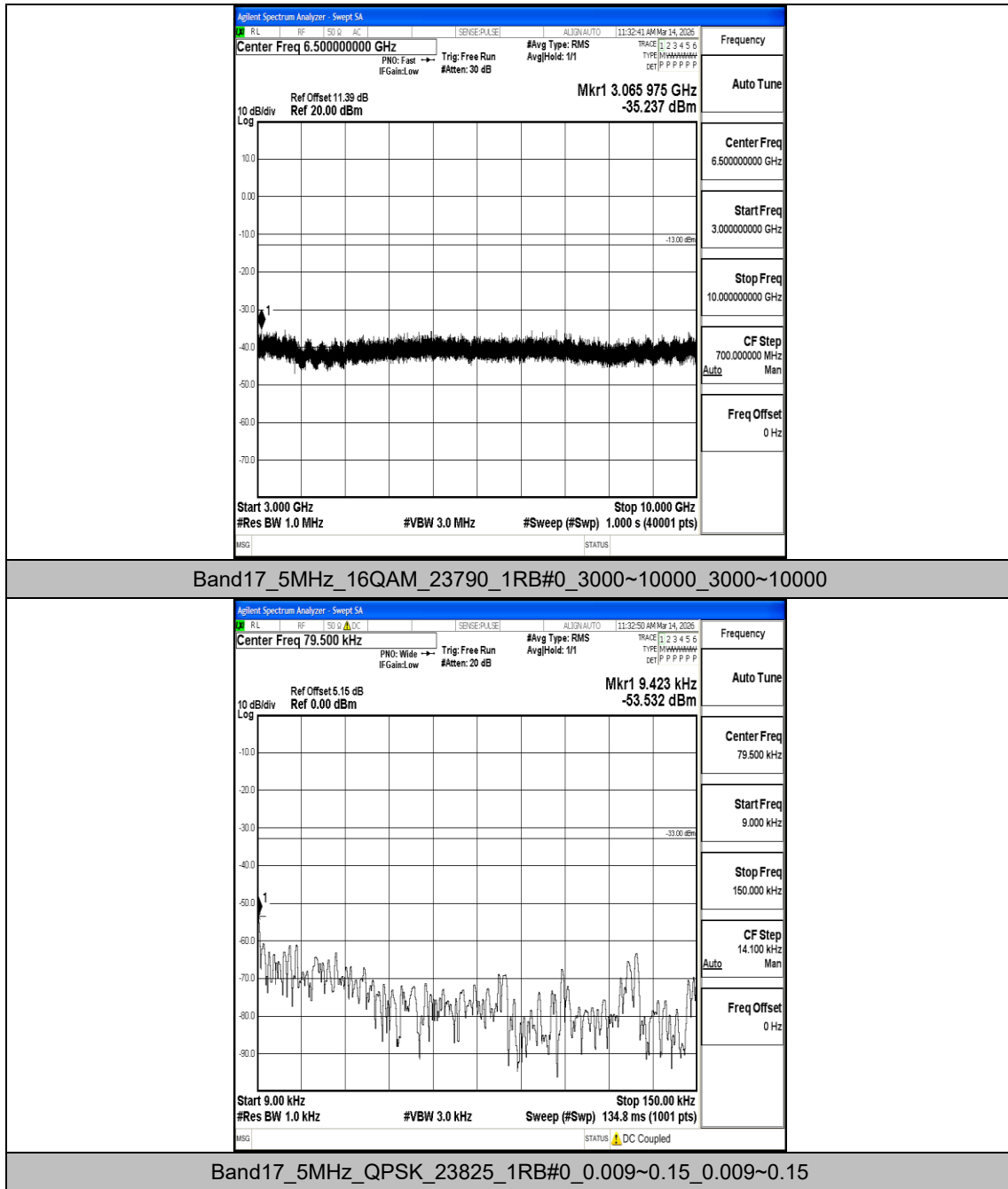


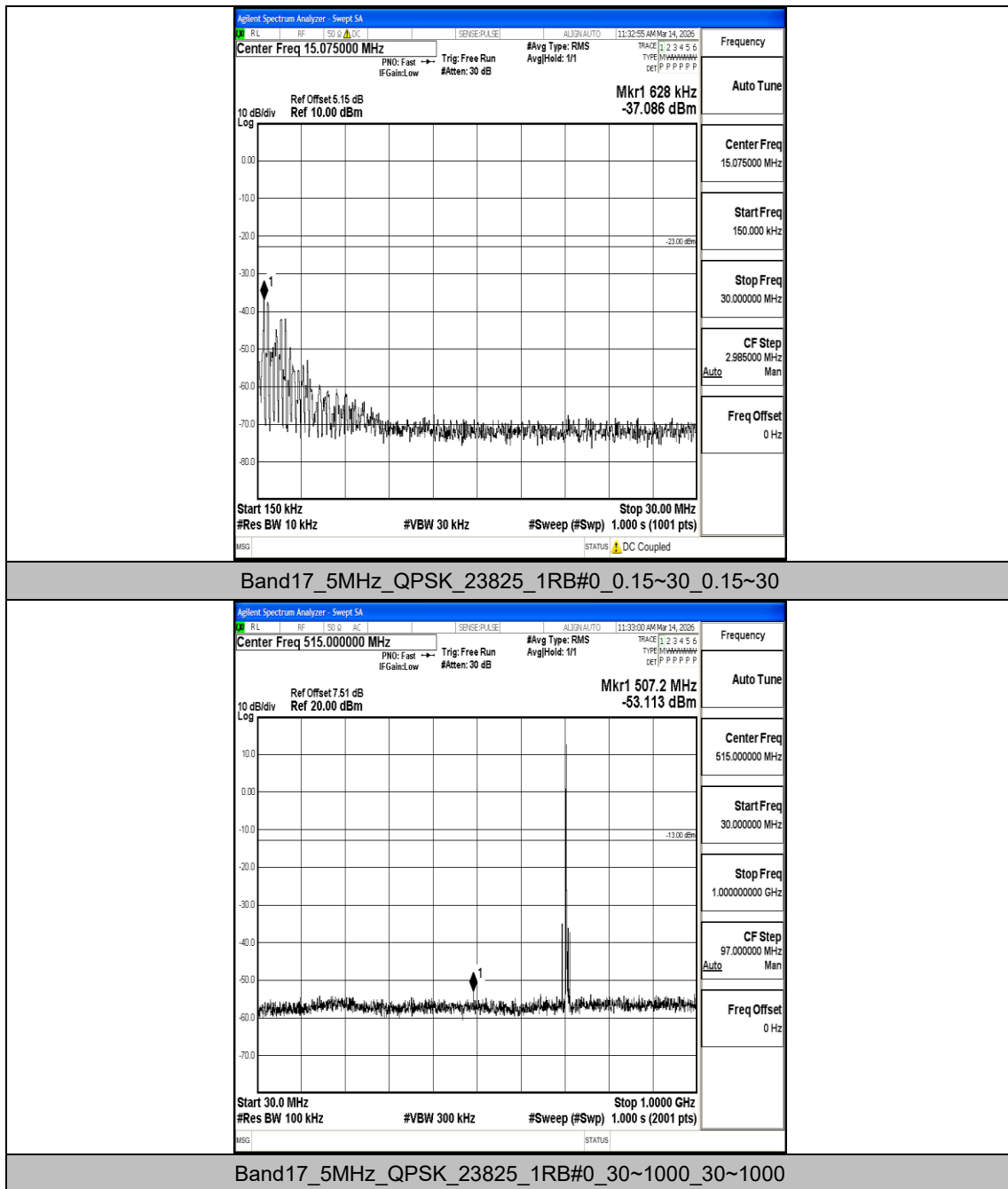


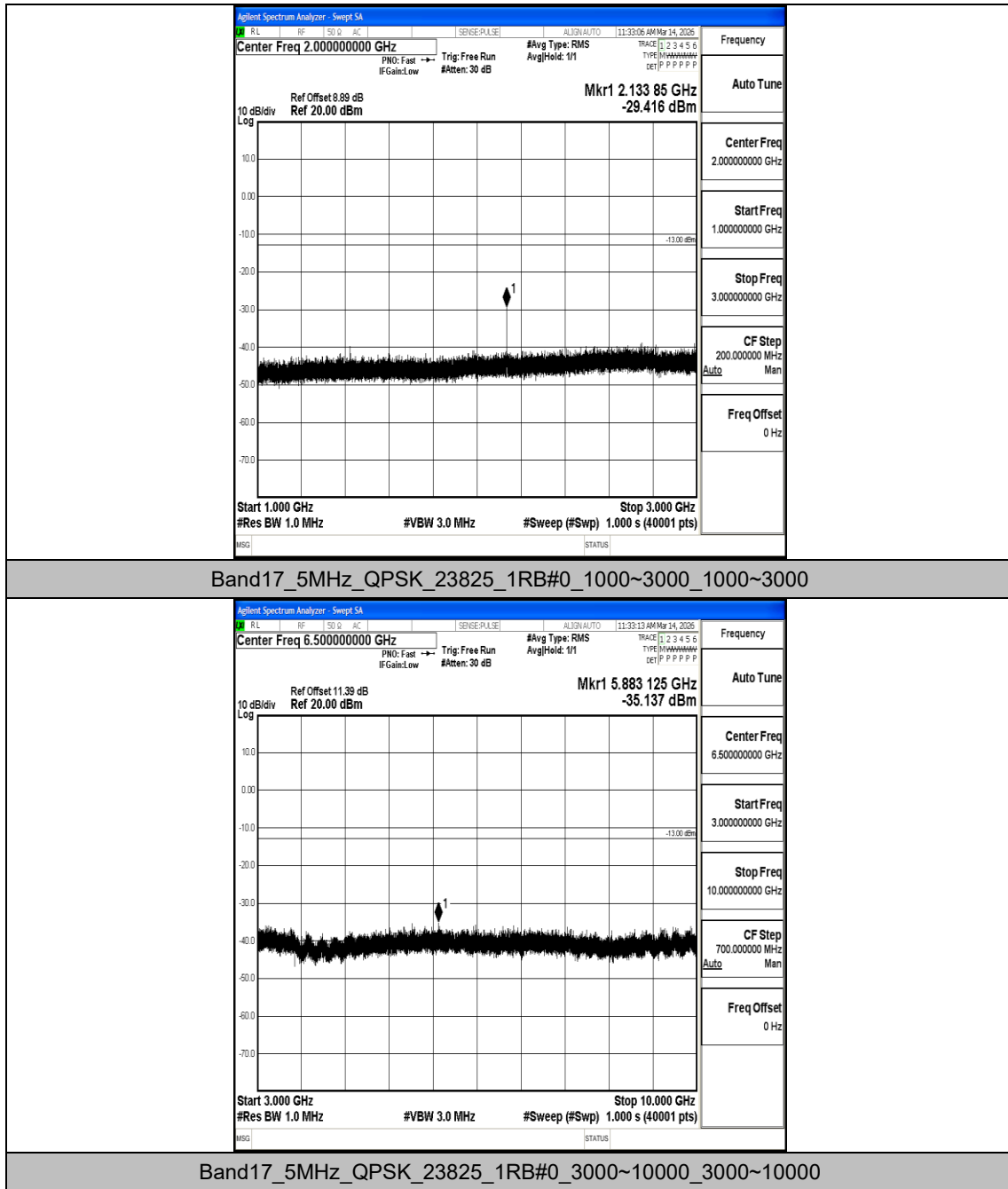


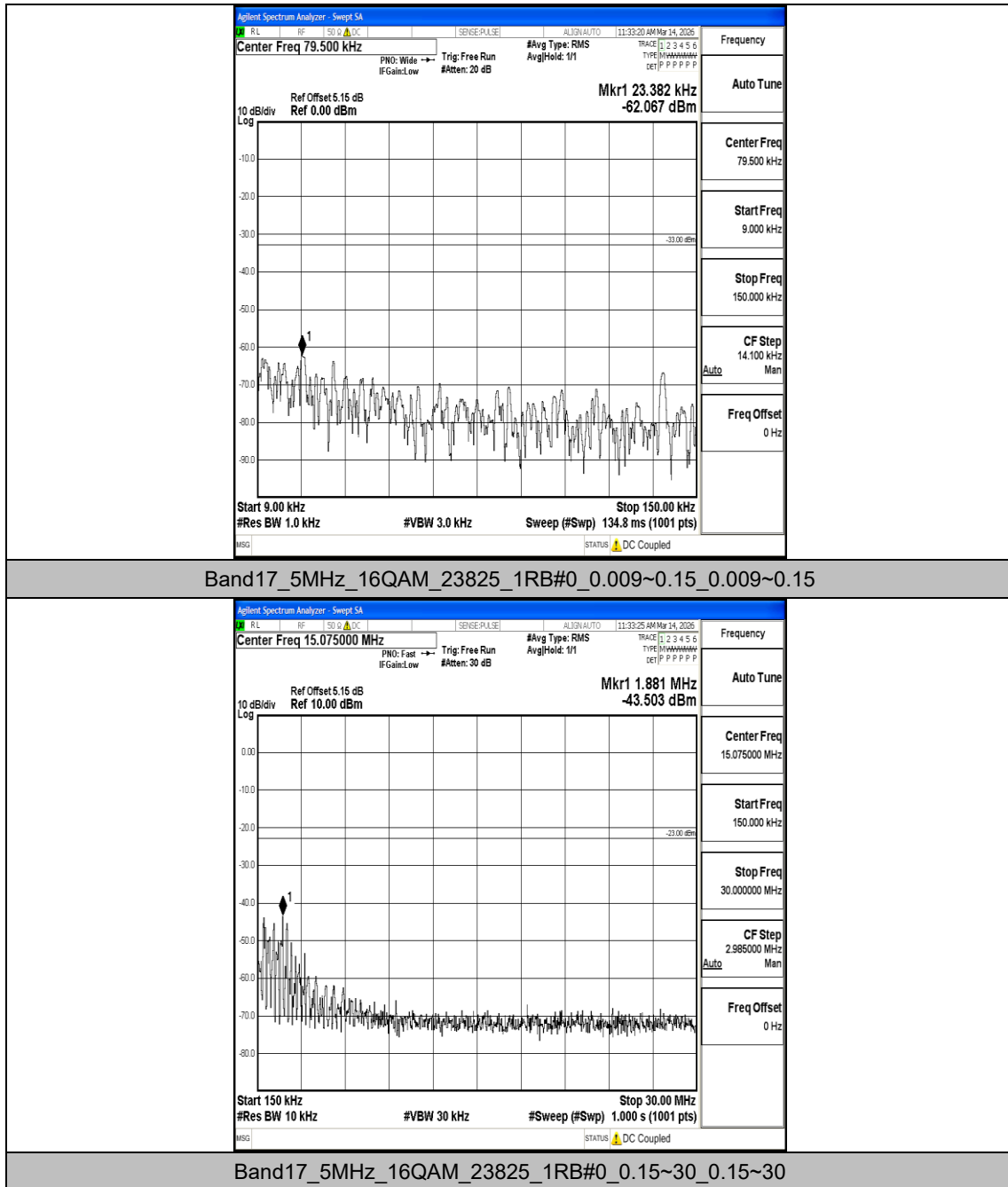


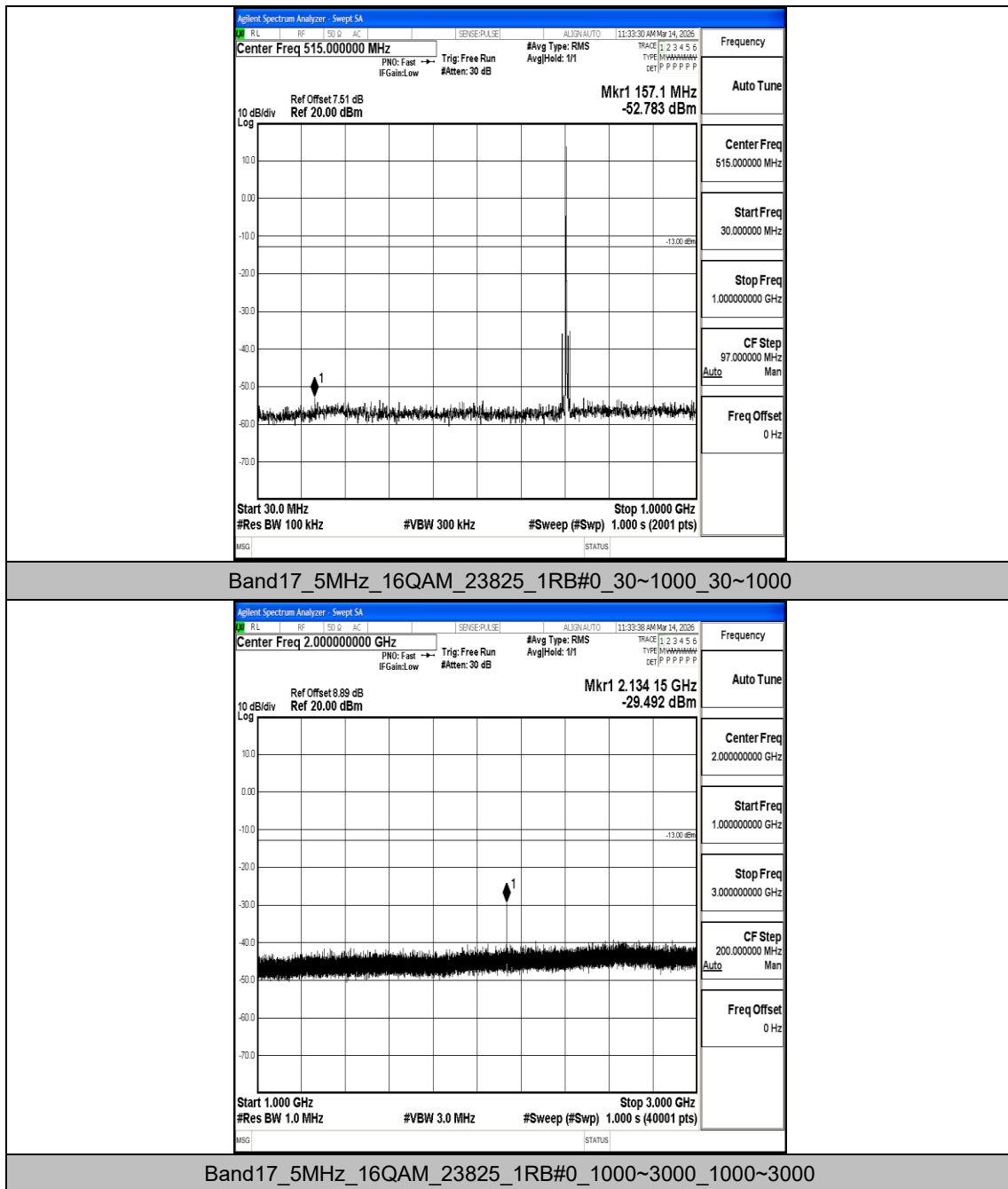


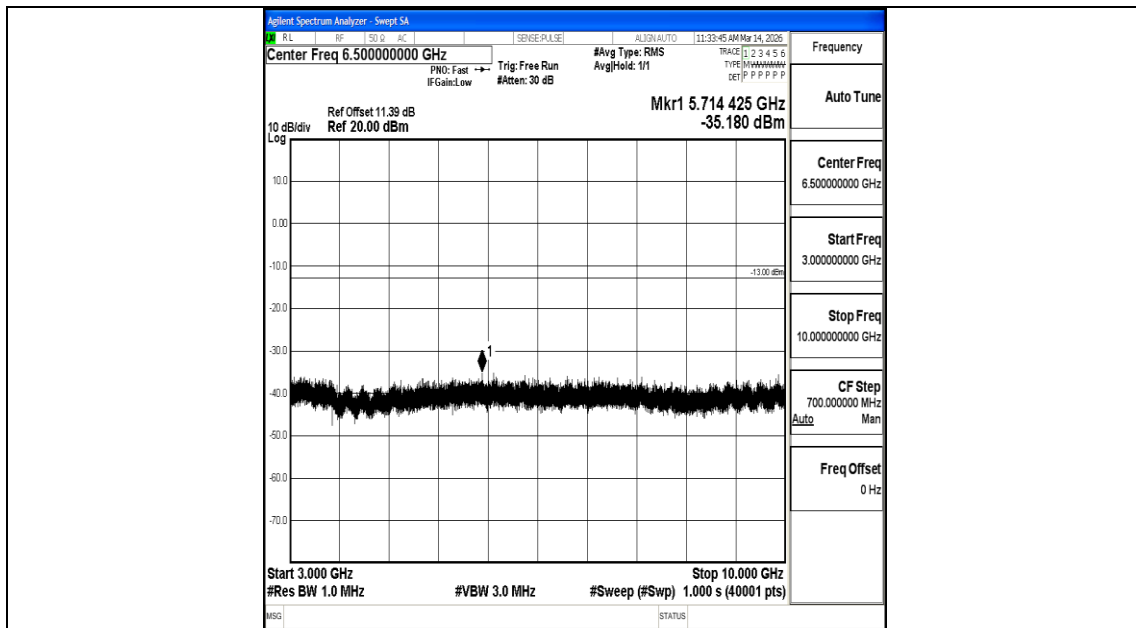




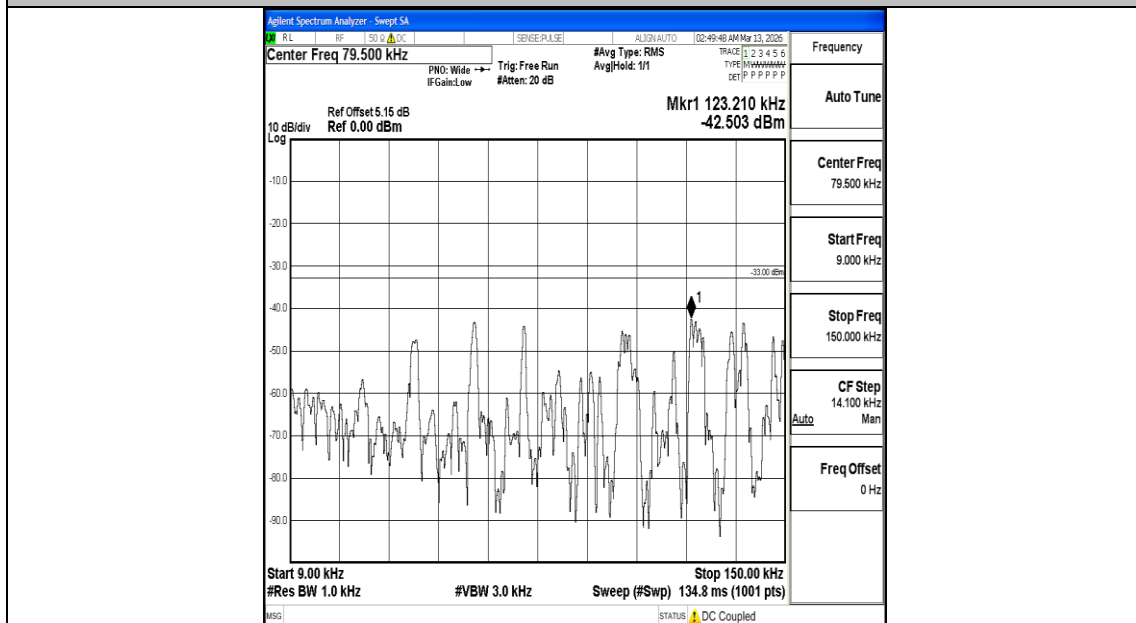




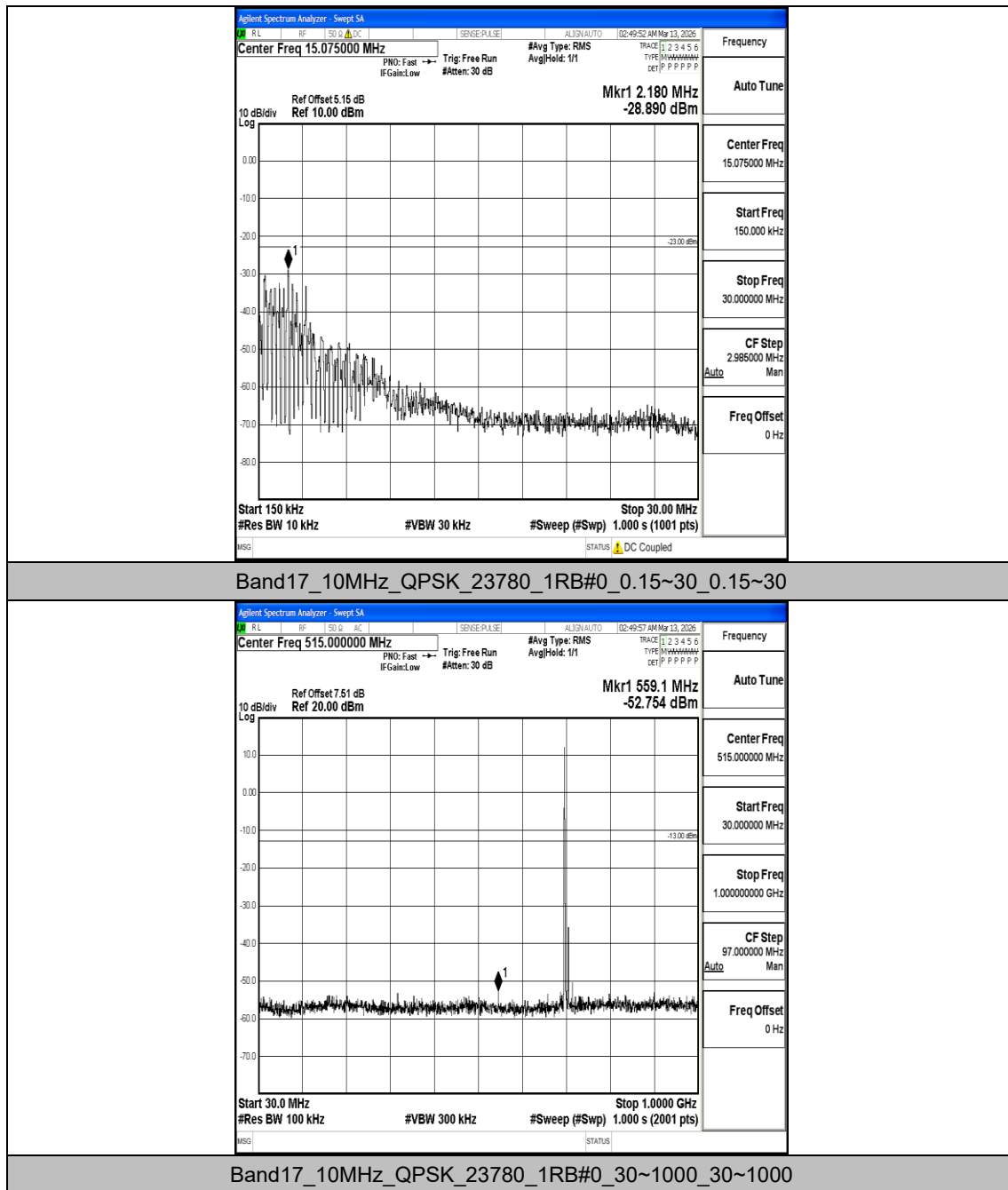


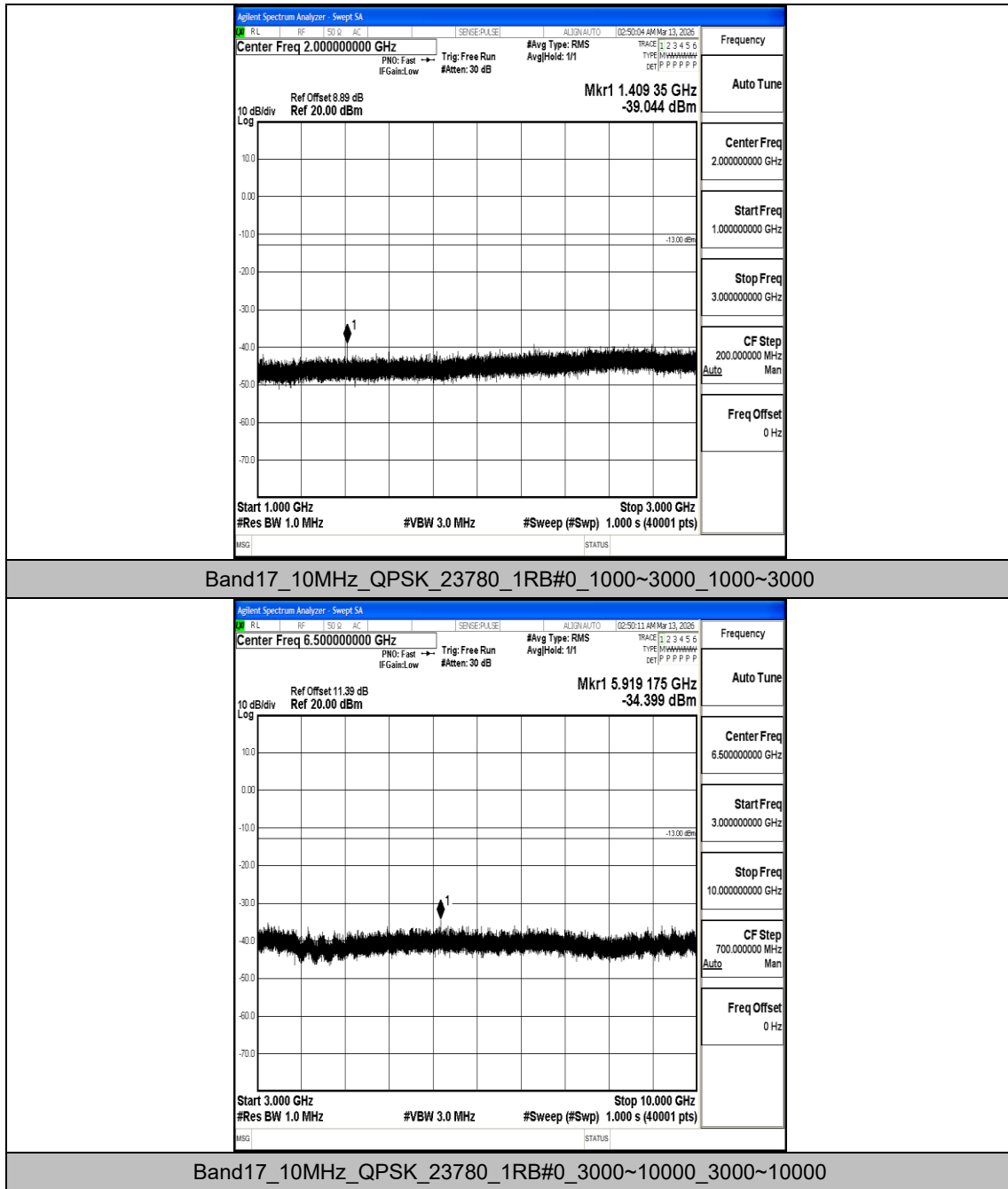


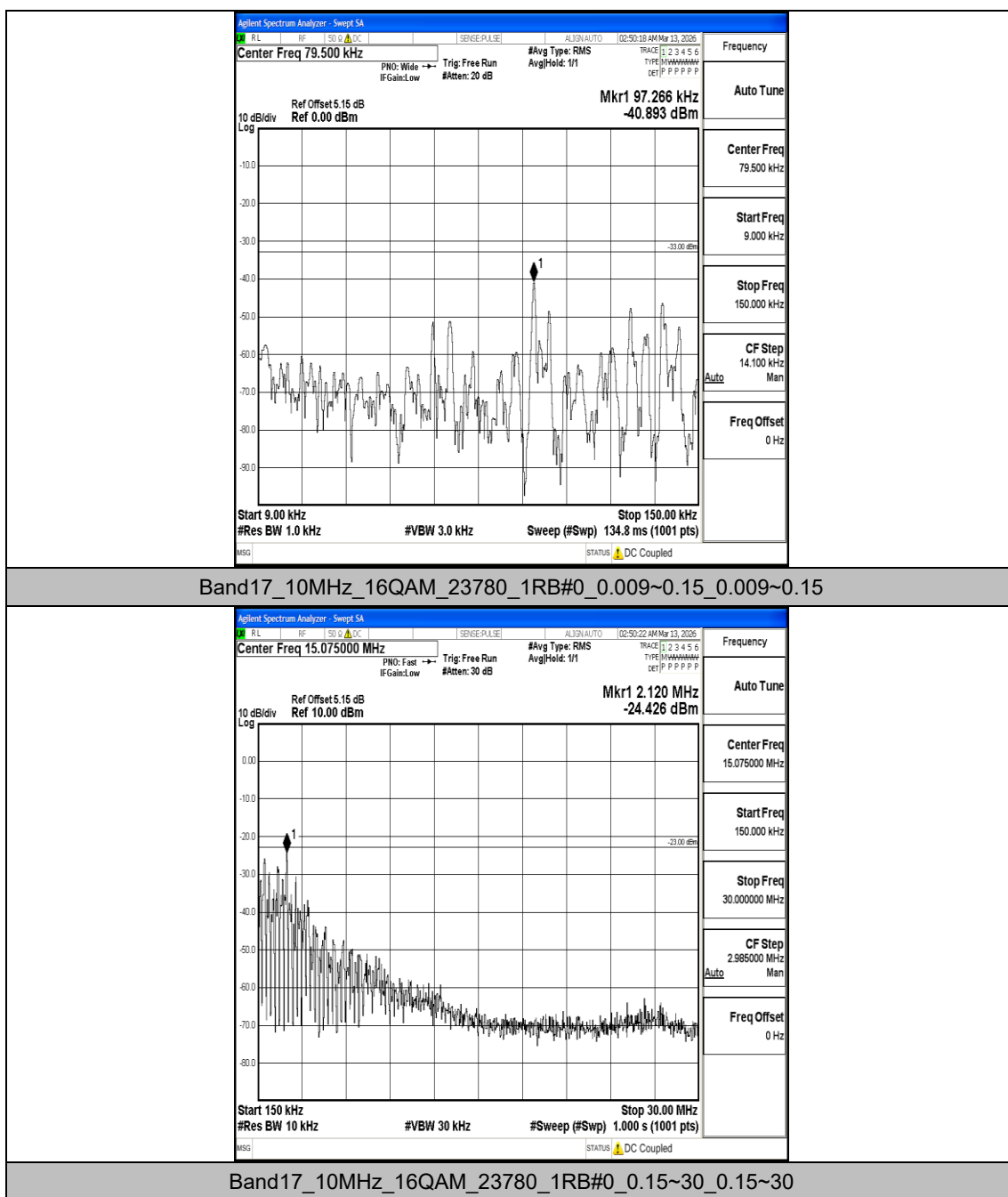
Band17_5MHz_16QAM_23825_1RB#0_3000~10000_3000~10000

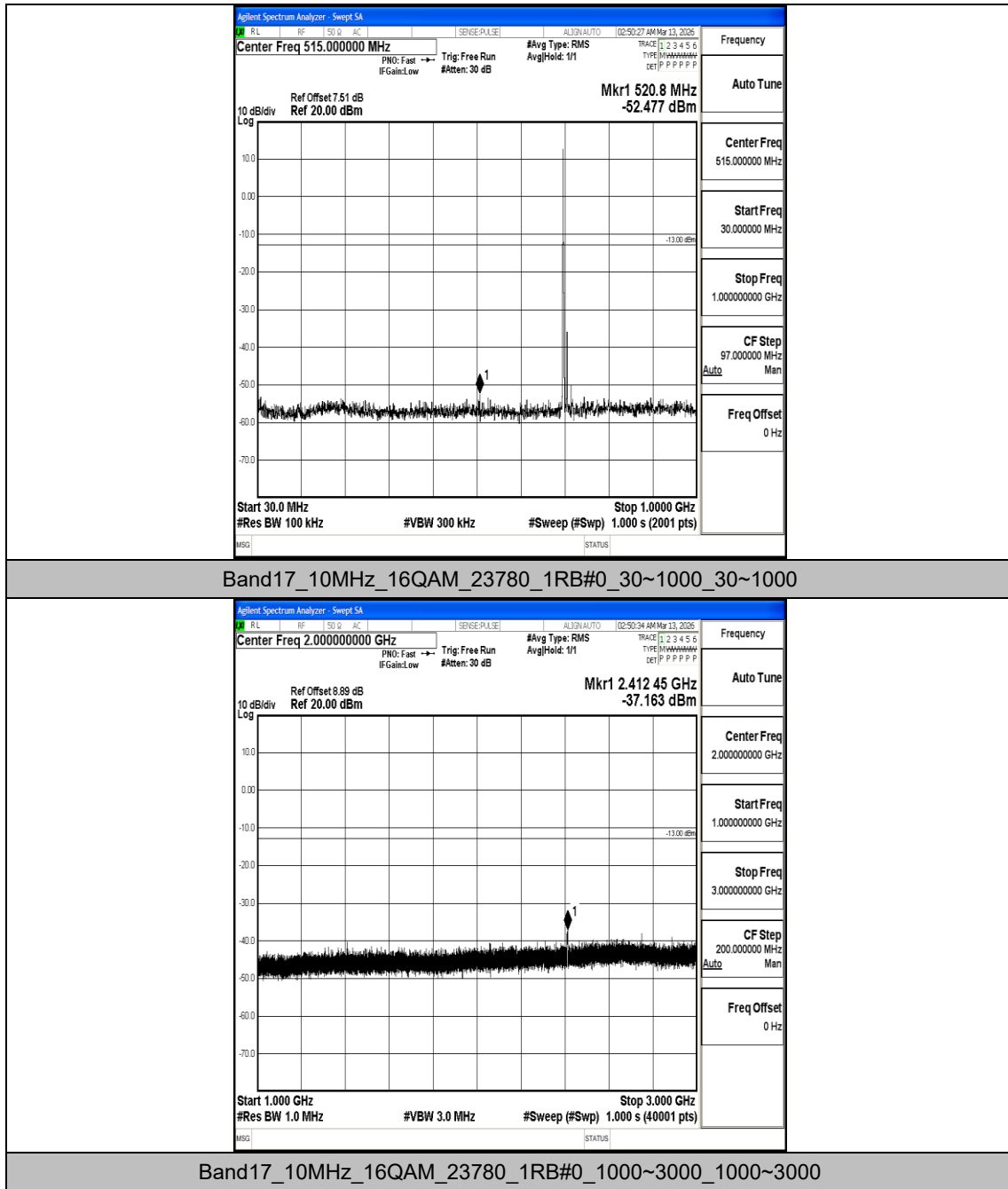


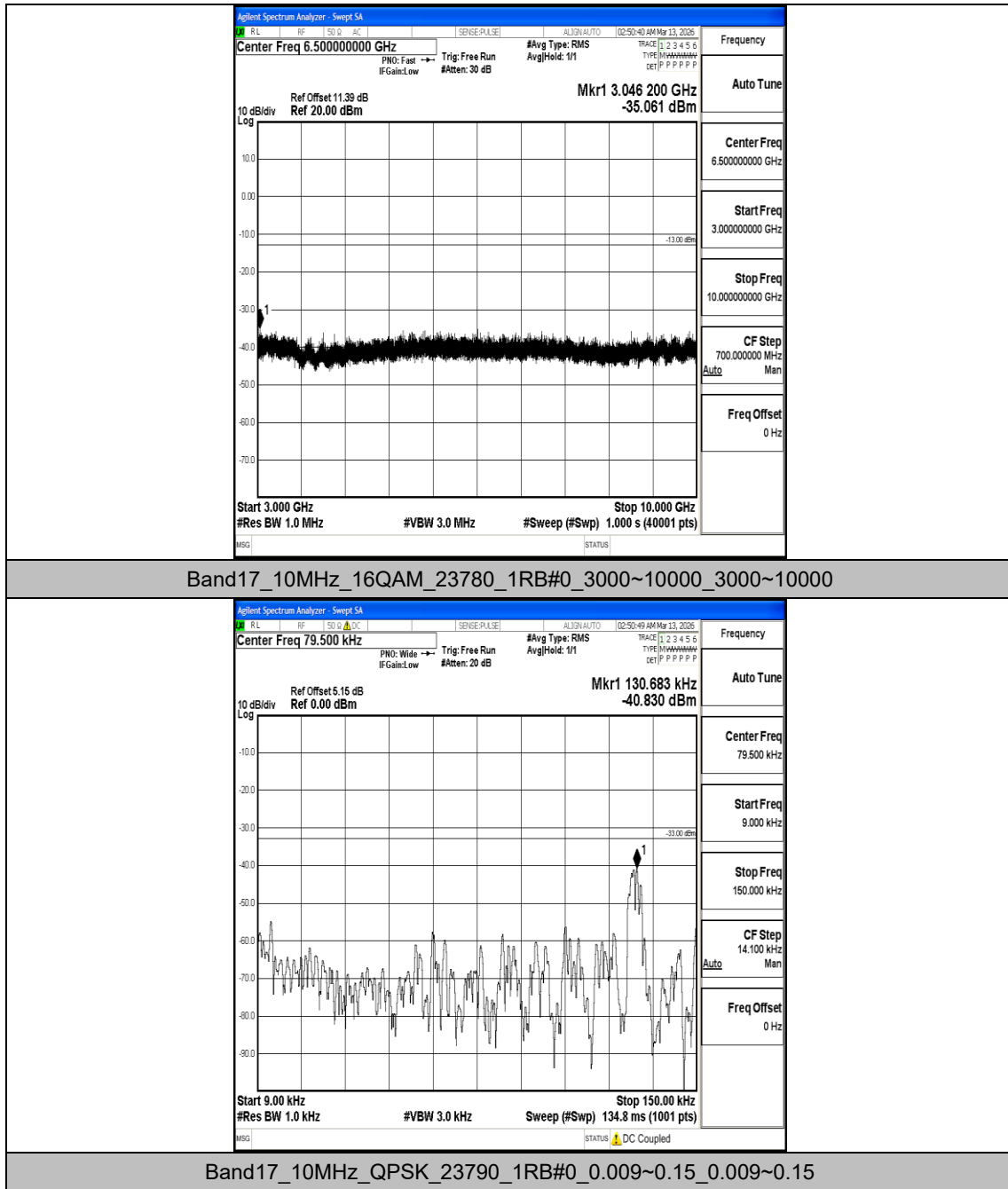
Band17_10MHz_QPSK_23780_1RB#0_0.009~0.15_0.009~0.15

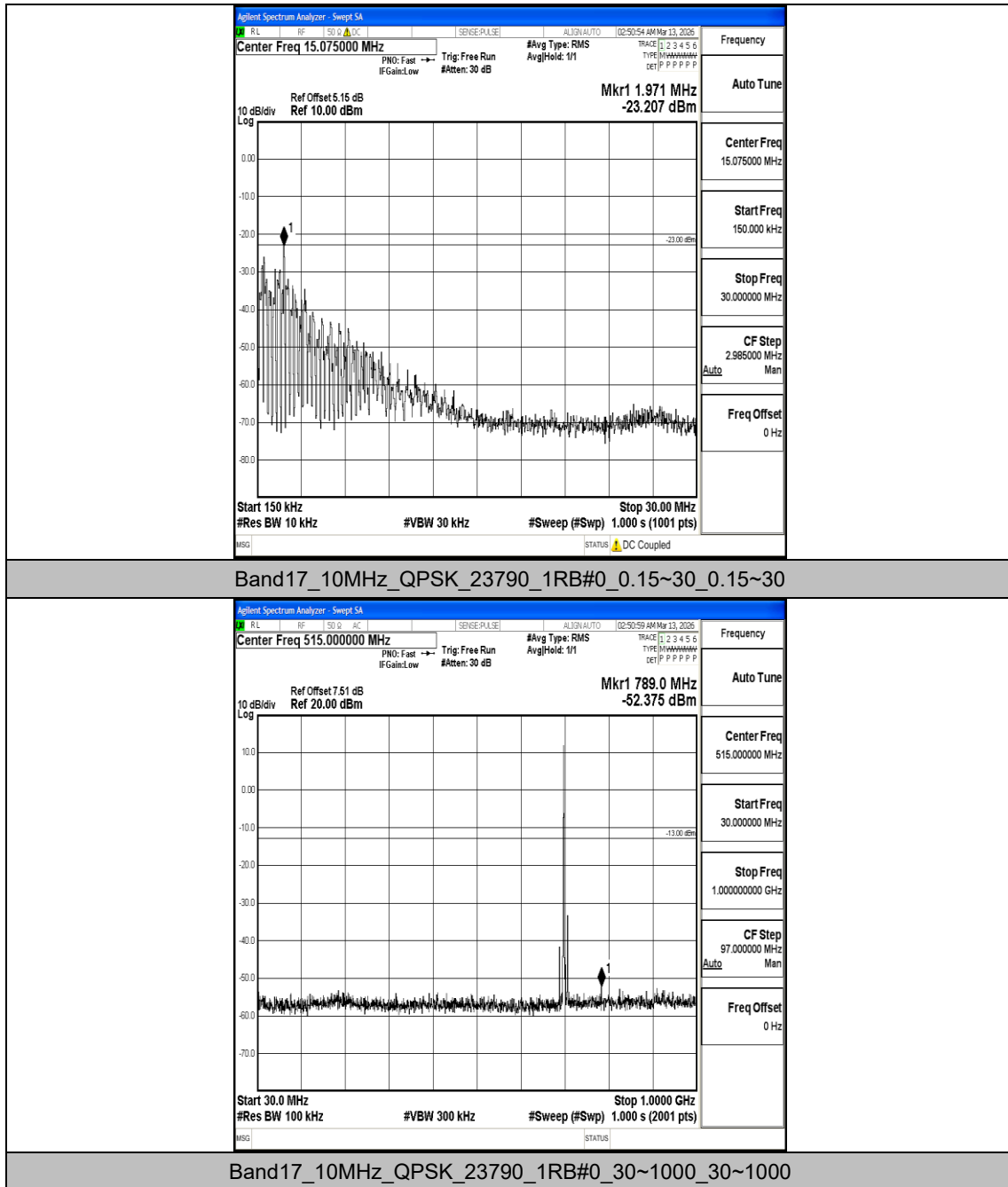


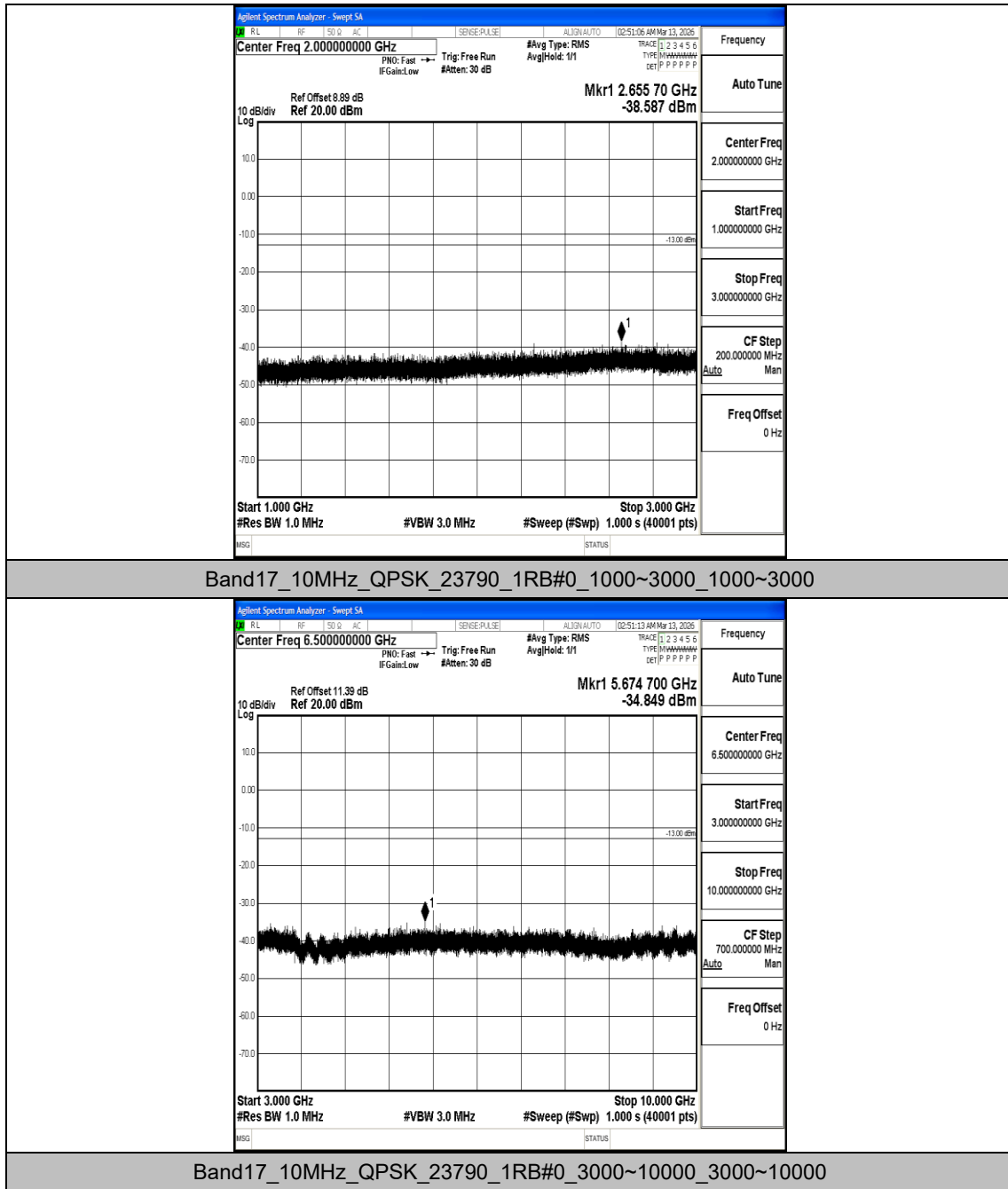


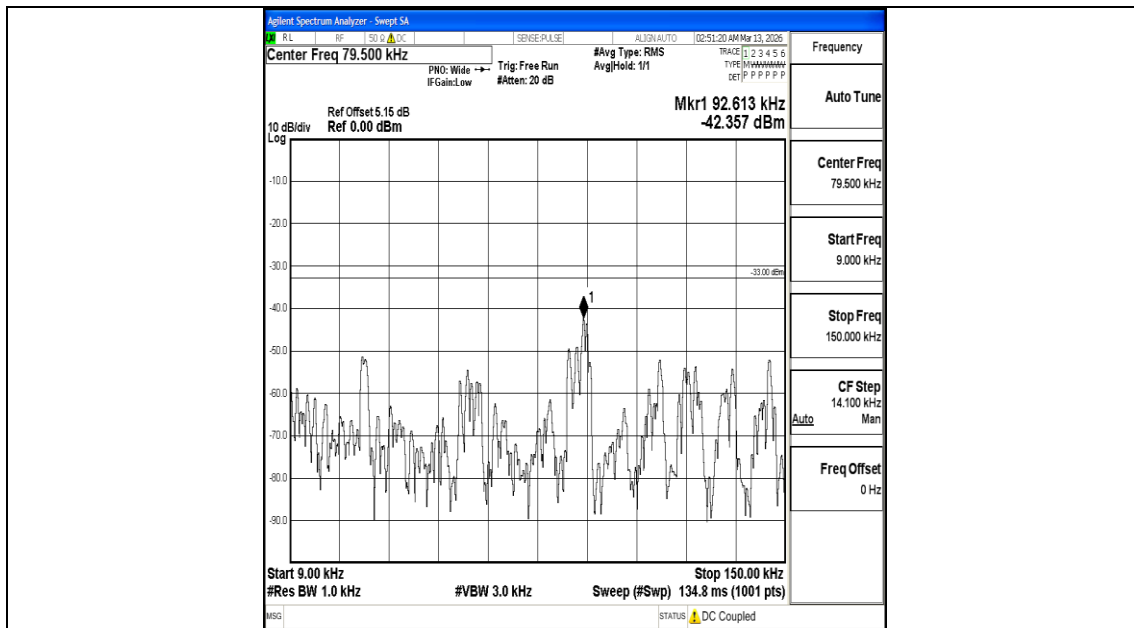




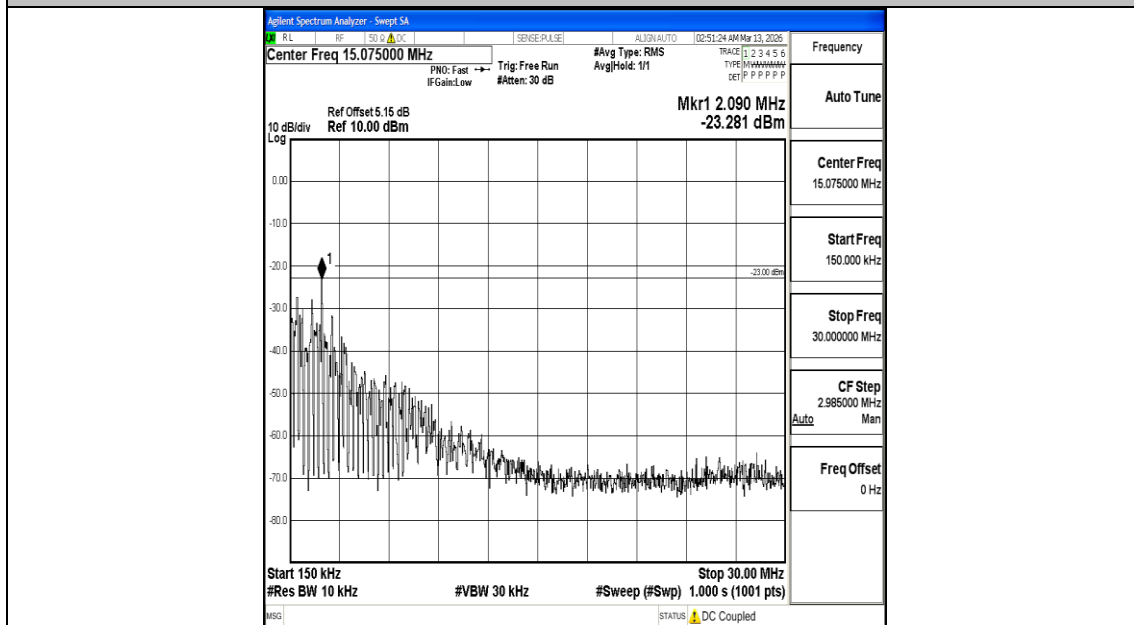








Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15



Band17_10MHz_16QAM_23790_1RB#0_0.15~30_0.15~30

