



FCC Appendix RF Test Data for Band 17

Product Name: Smart Phone

Test Model: Philips S8310

Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

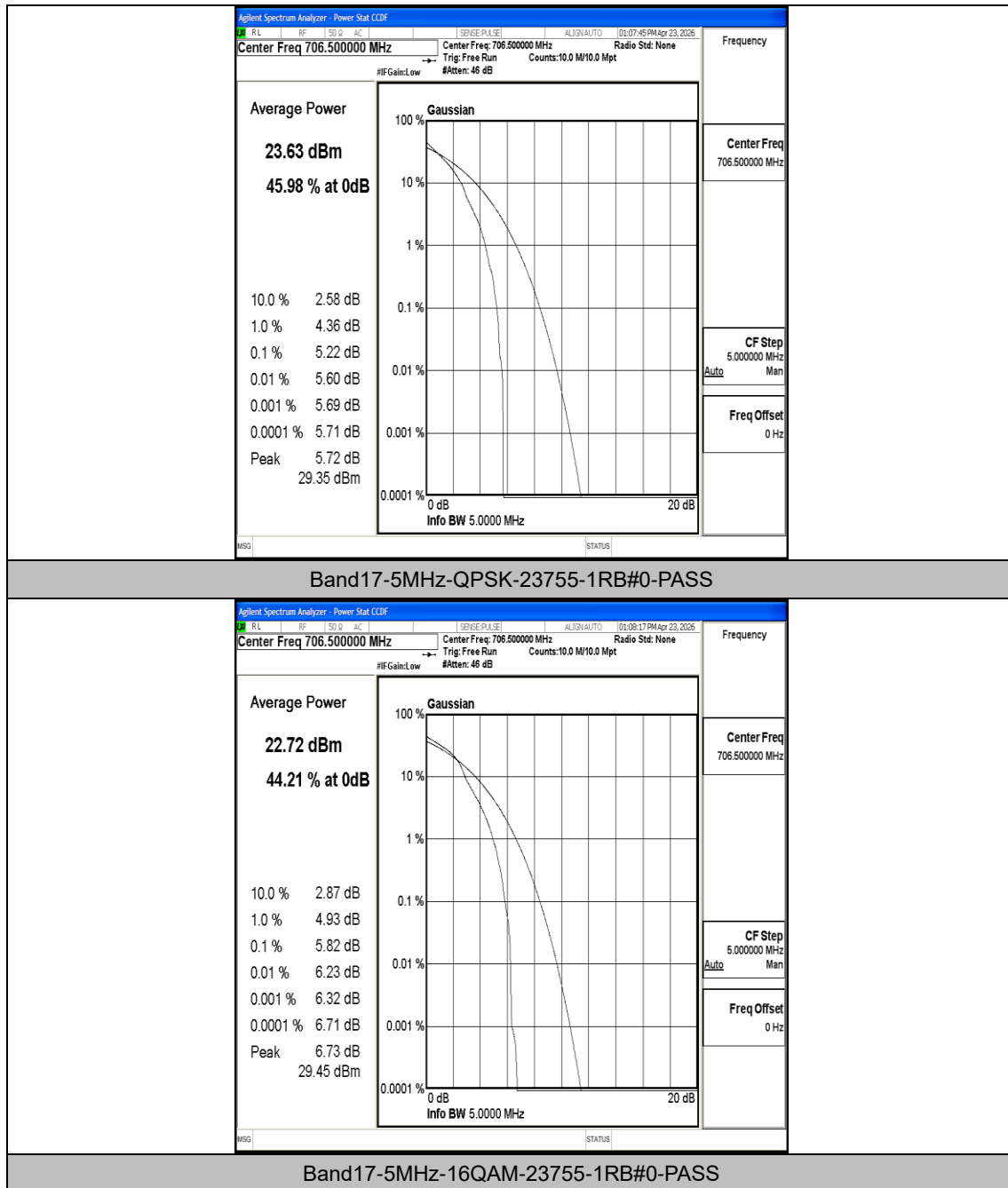


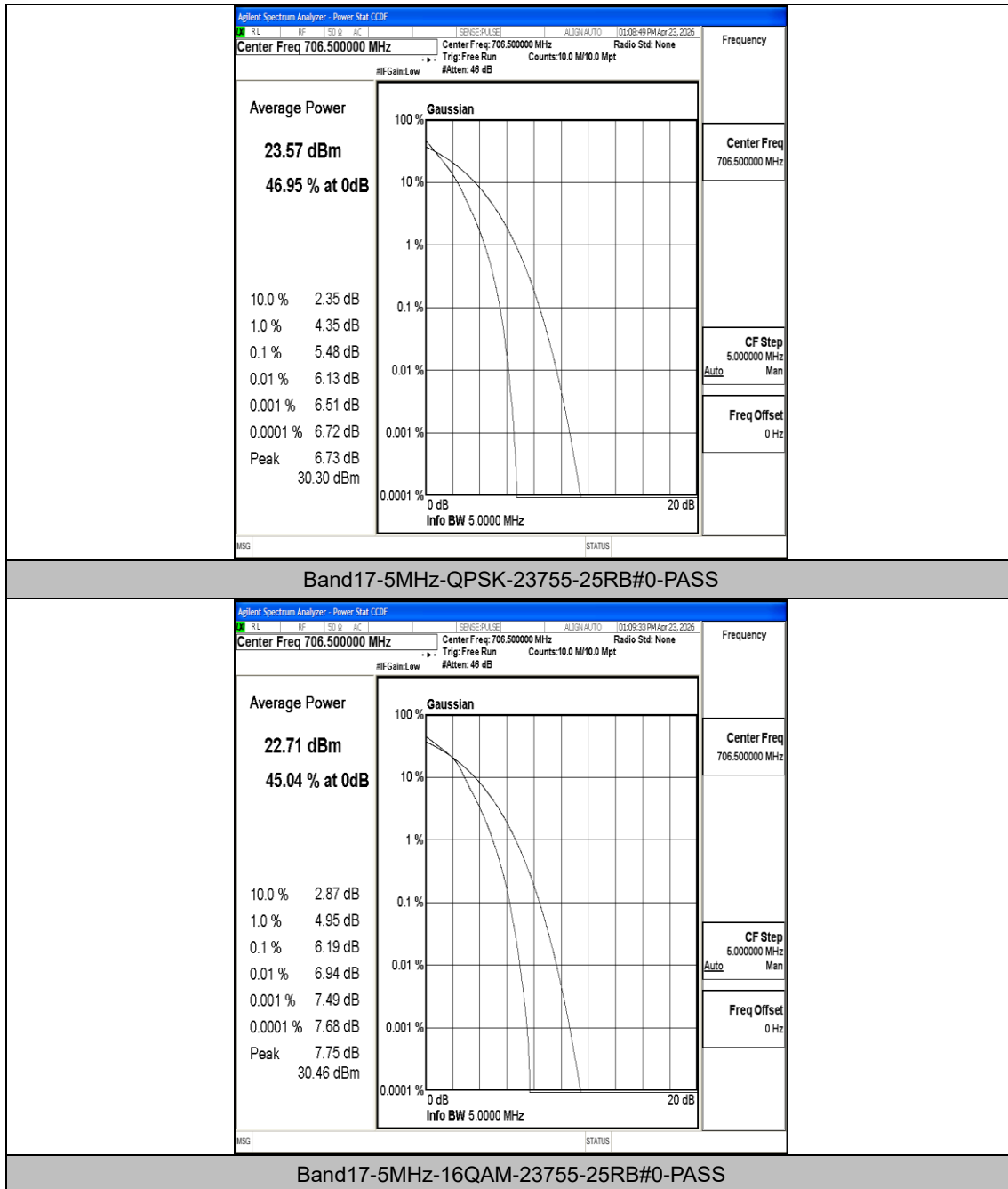
1 Peak-to-Average Ratio(CCDF)

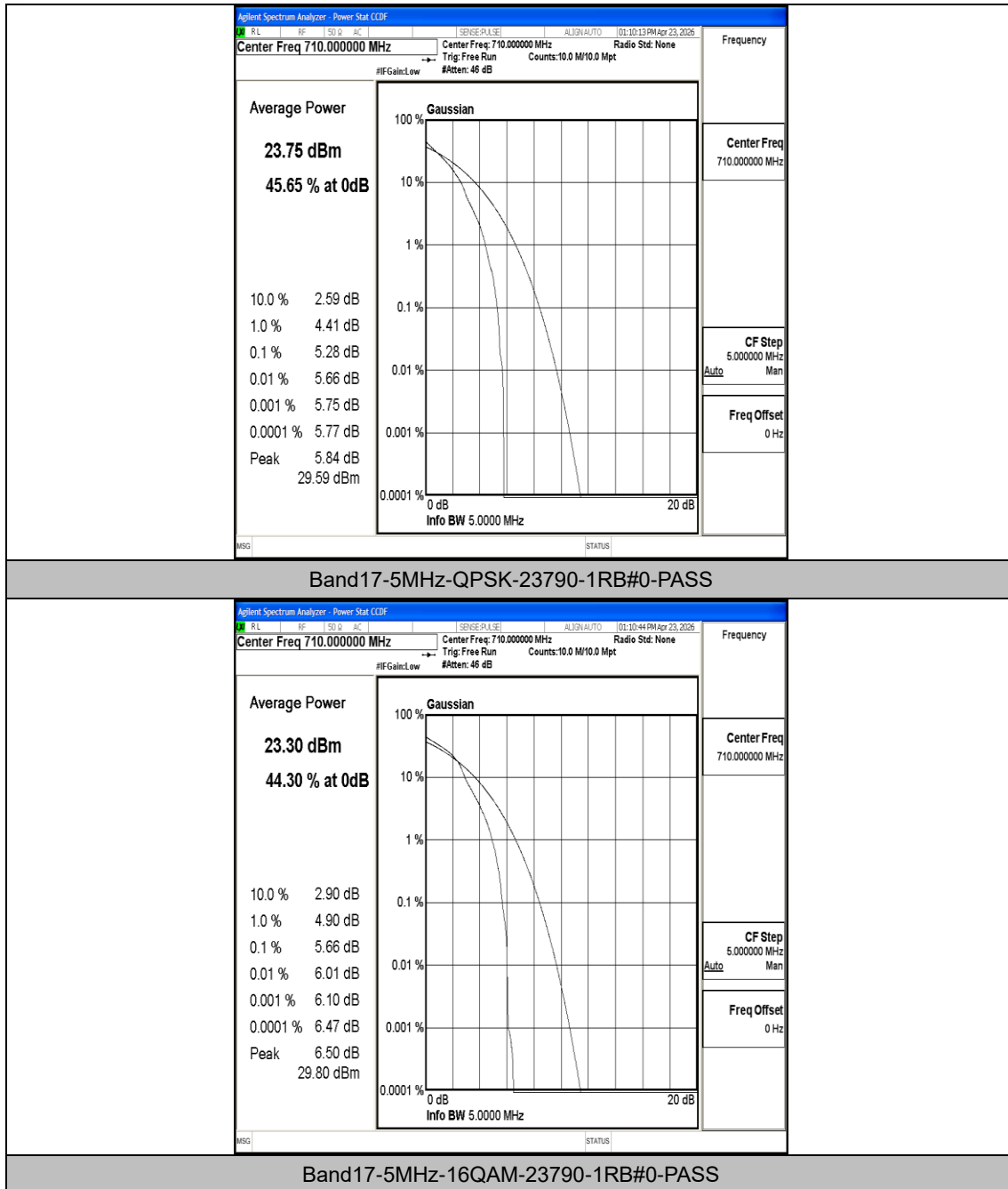
Test Result

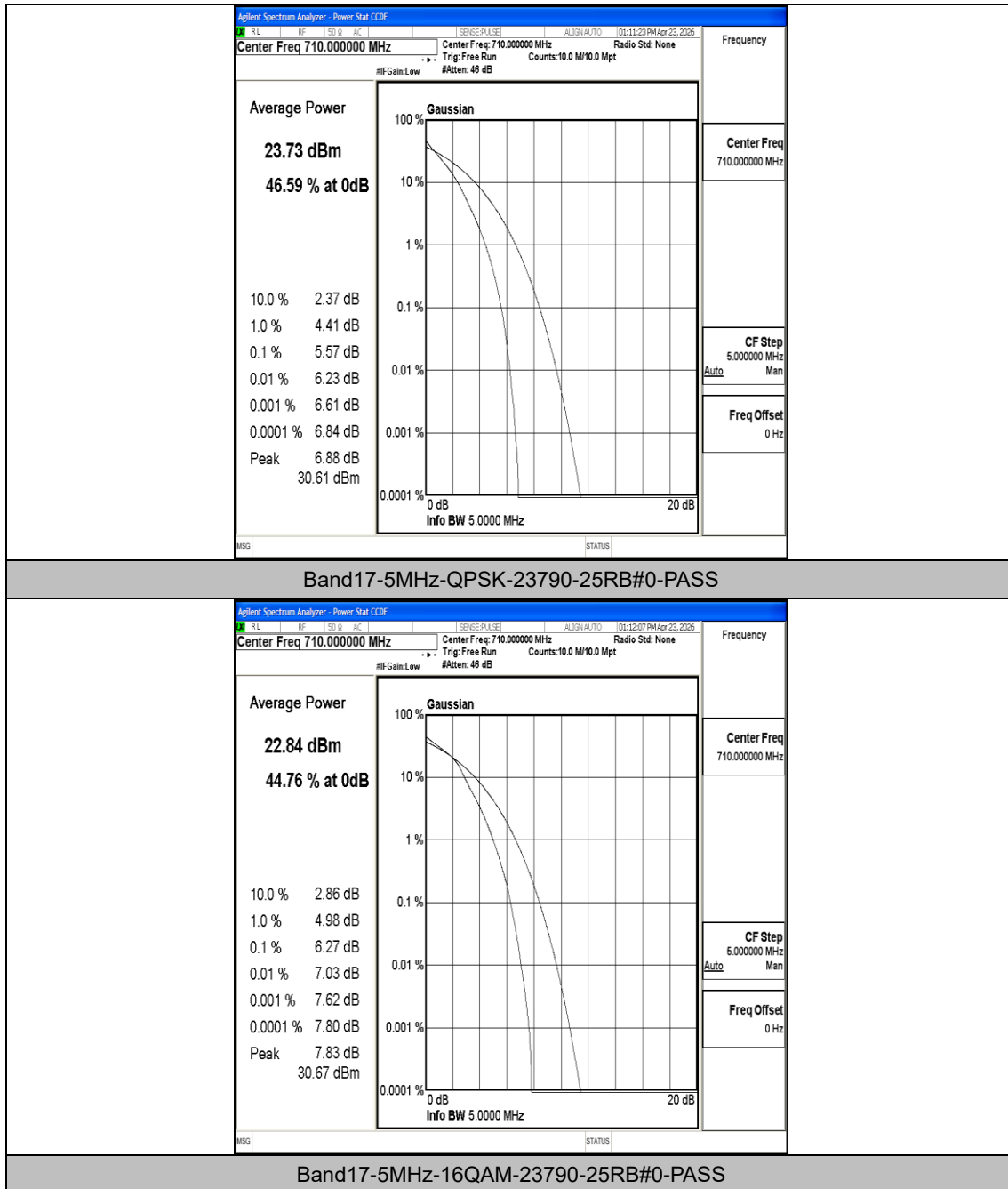
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.22	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.82	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.48	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.19	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.28	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.66	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.57	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.27	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.35	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.84	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.59	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.21	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.11	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.74	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.58	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.31	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.09	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.52	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.60	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.36	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.10	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.27	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.63	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.39	13	PASS

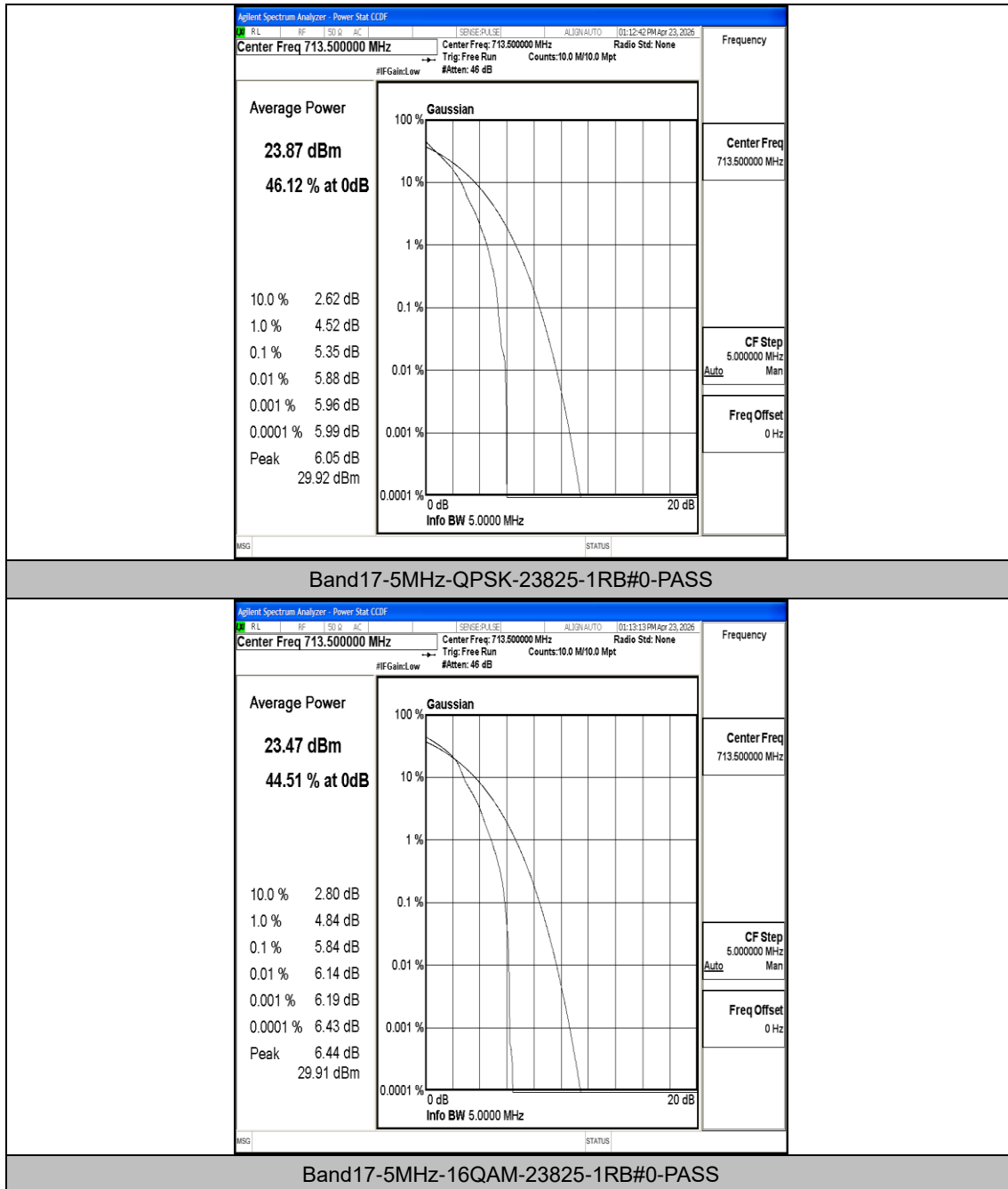
Test Graphs

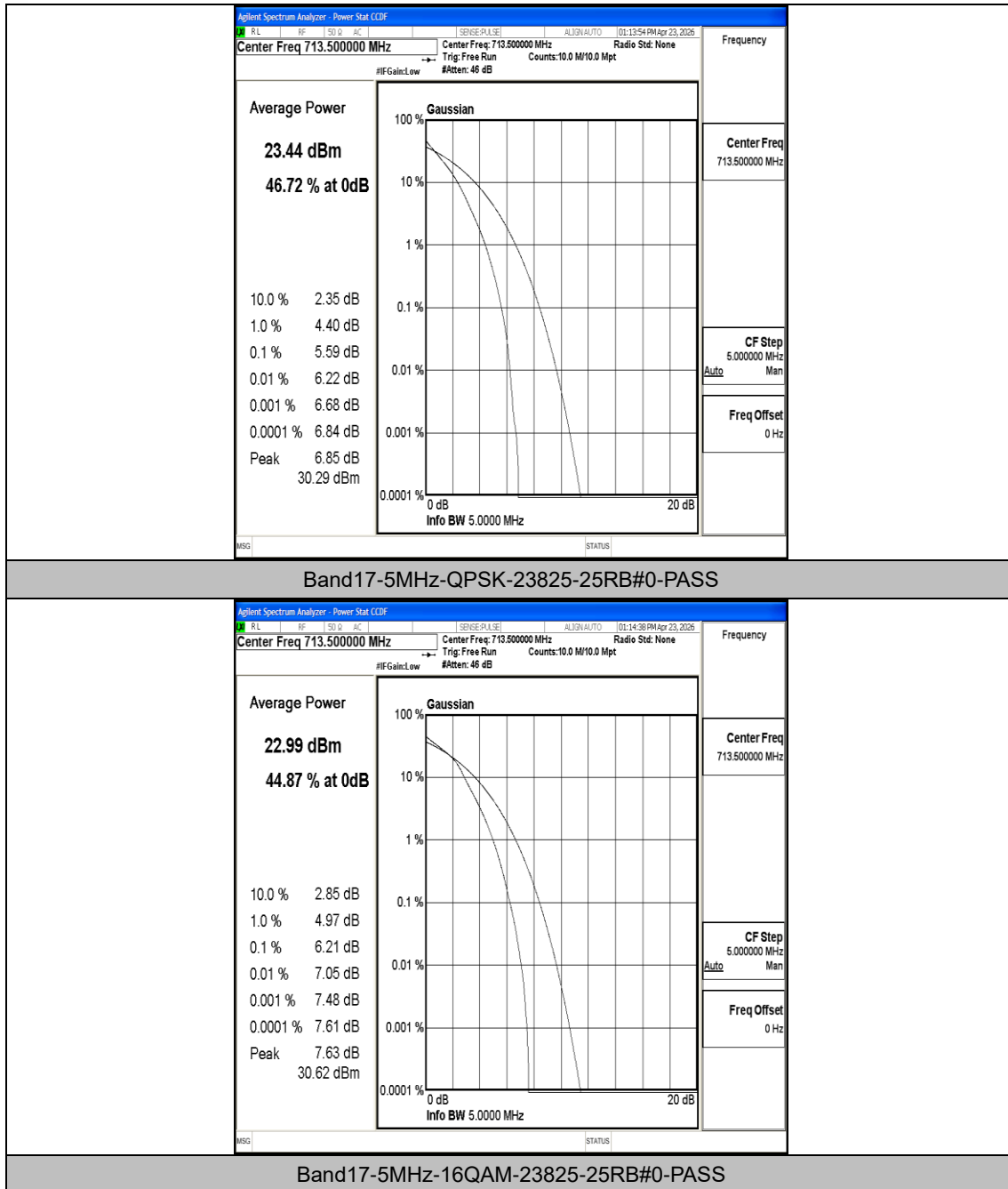


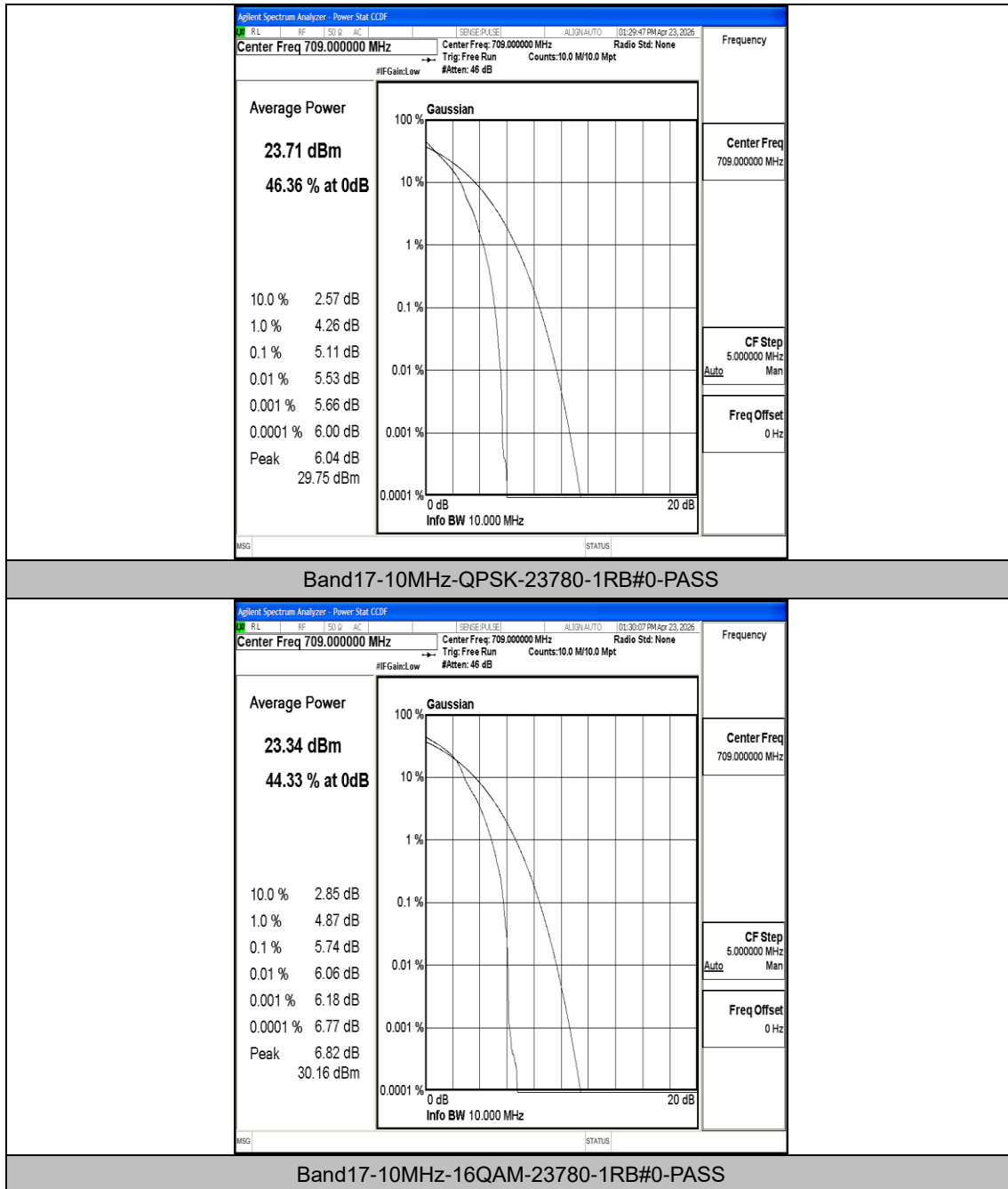


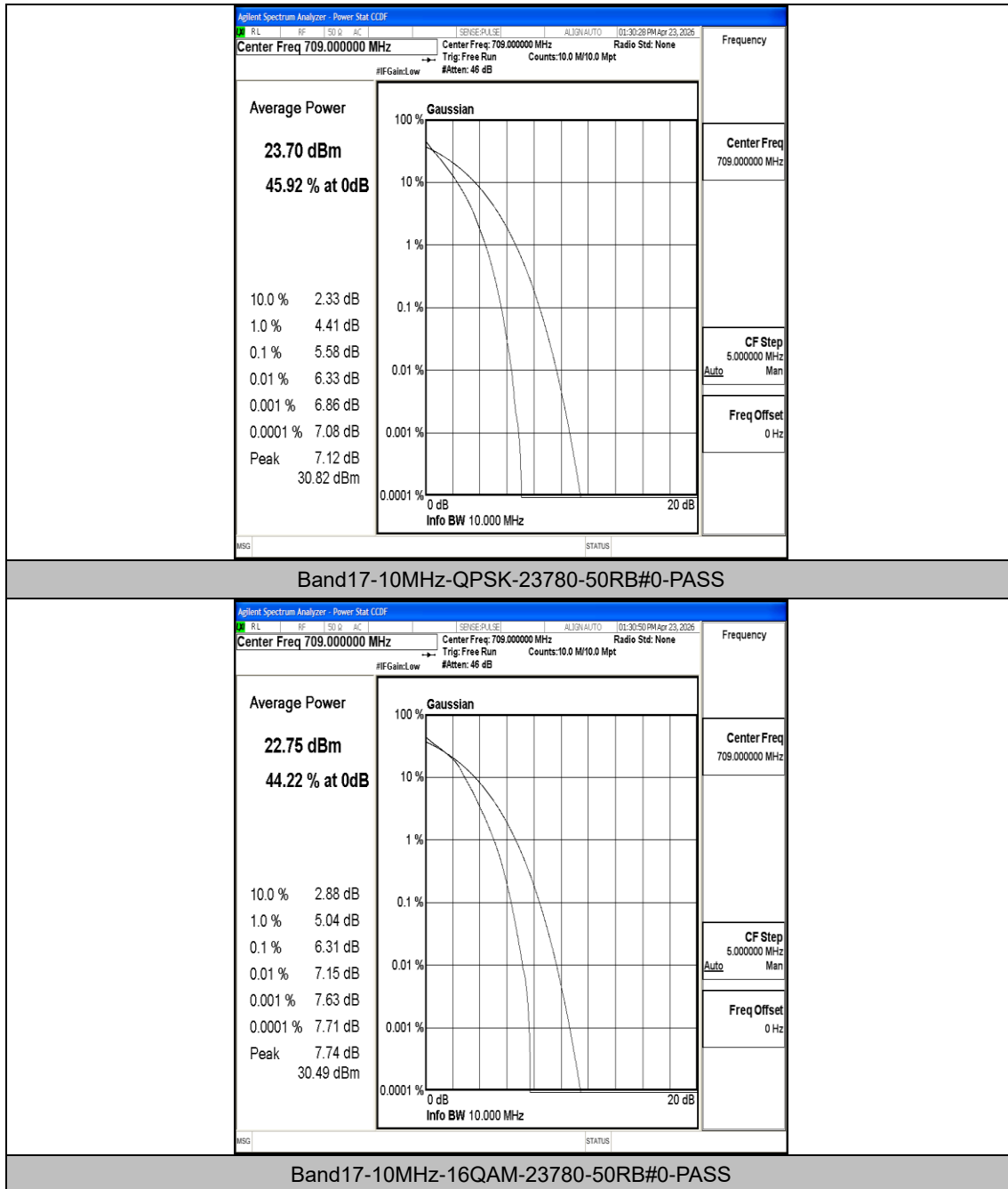


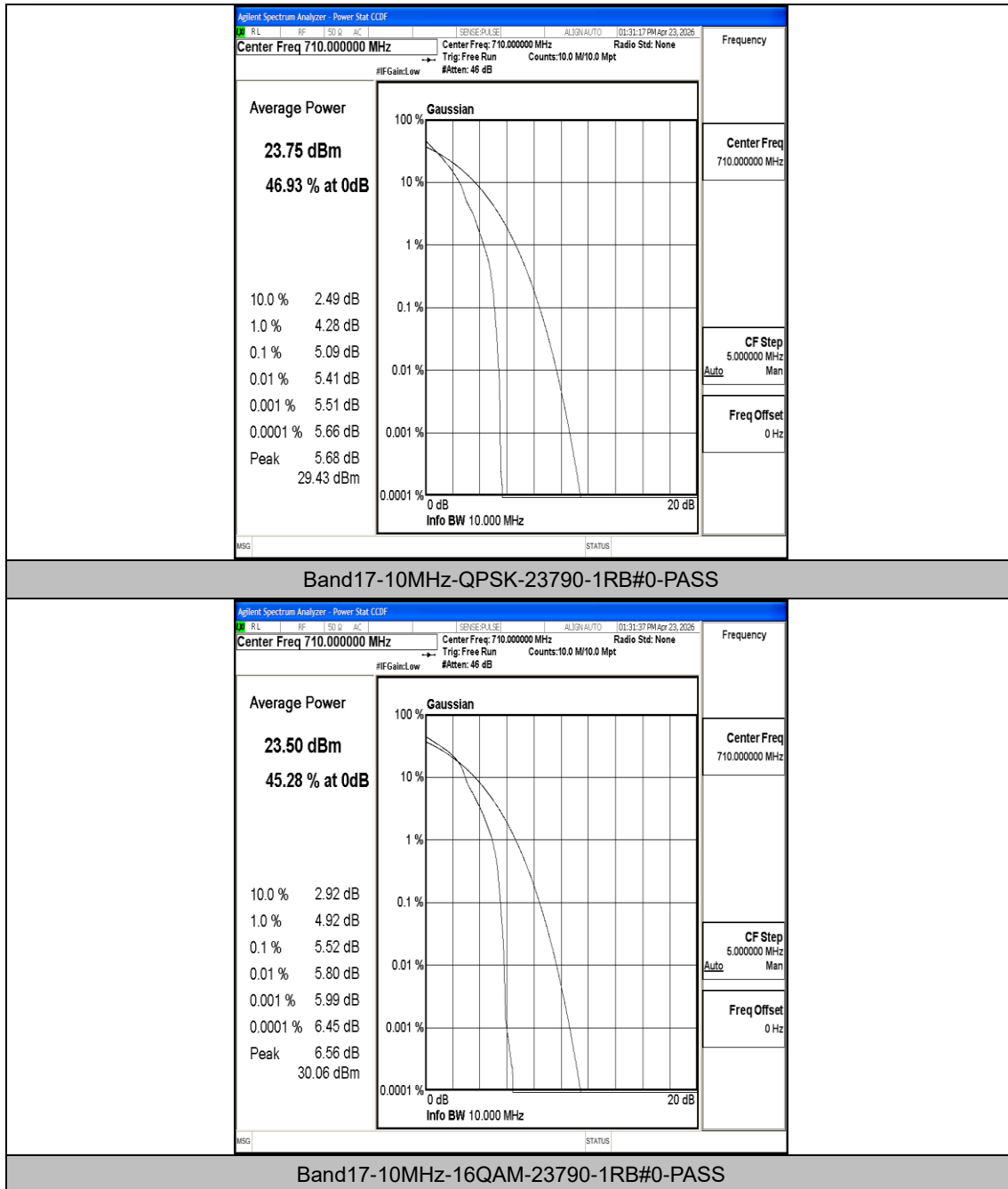


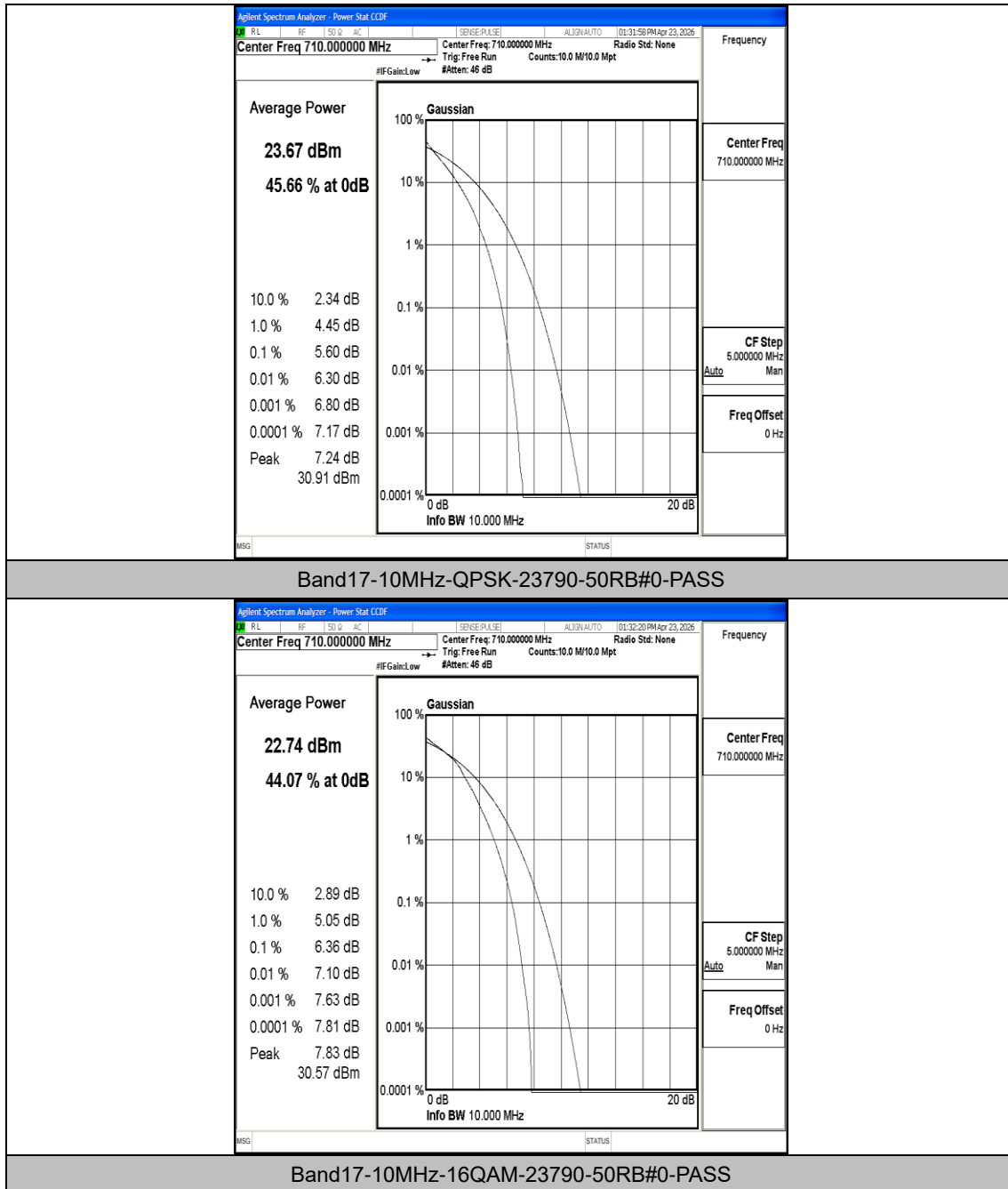


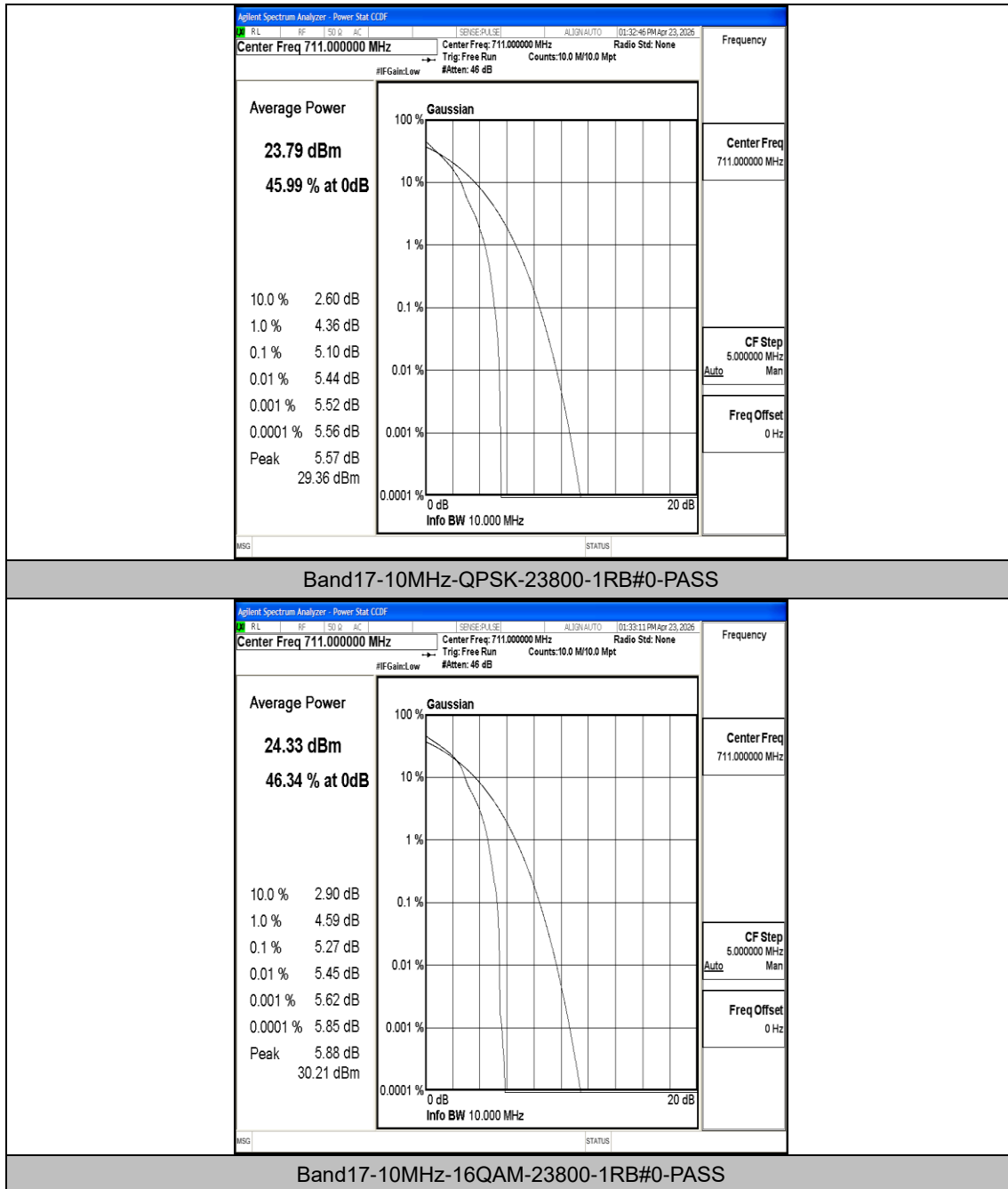


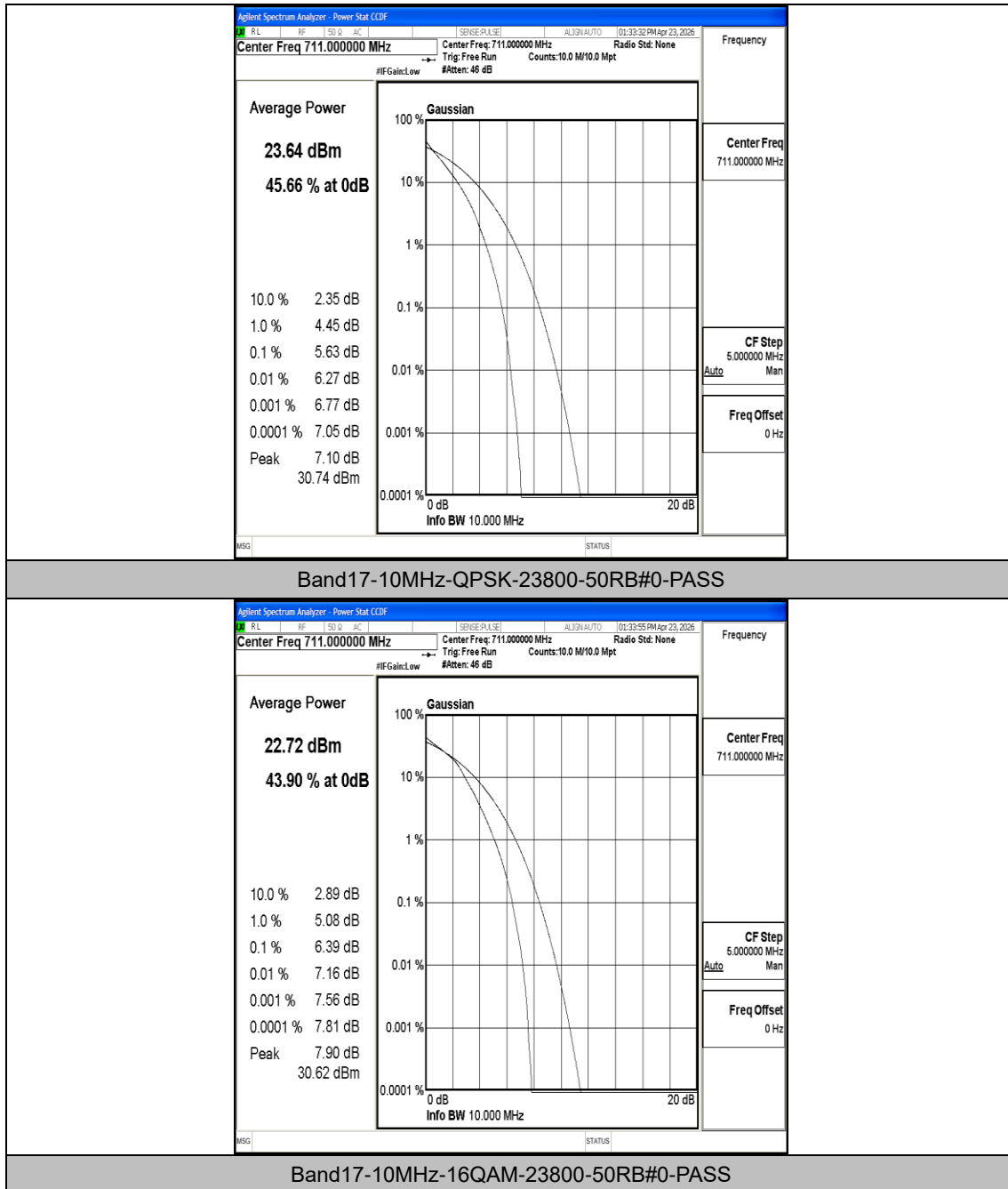












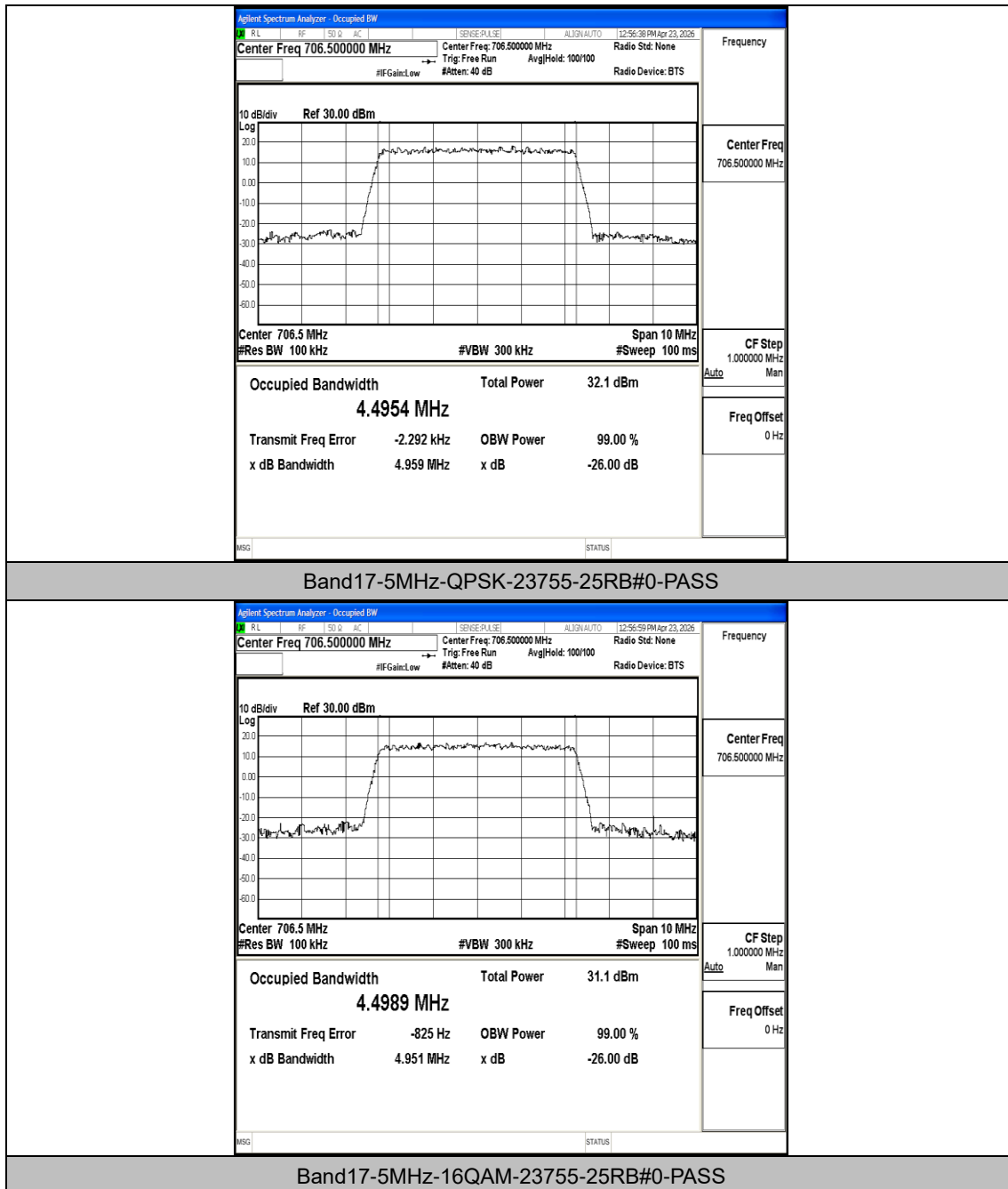


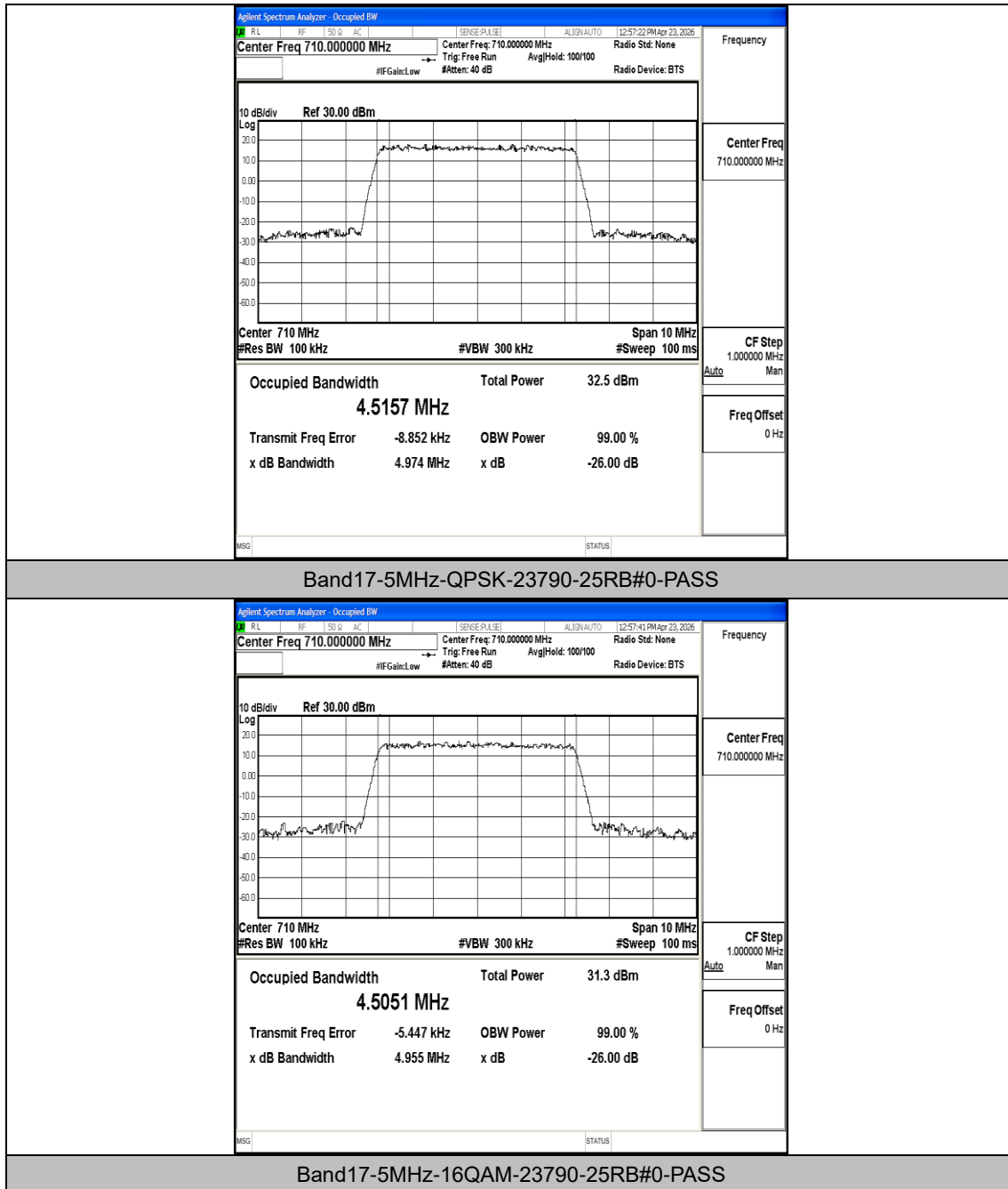
2 26dB Bandwidth and Occupied Bandwidth

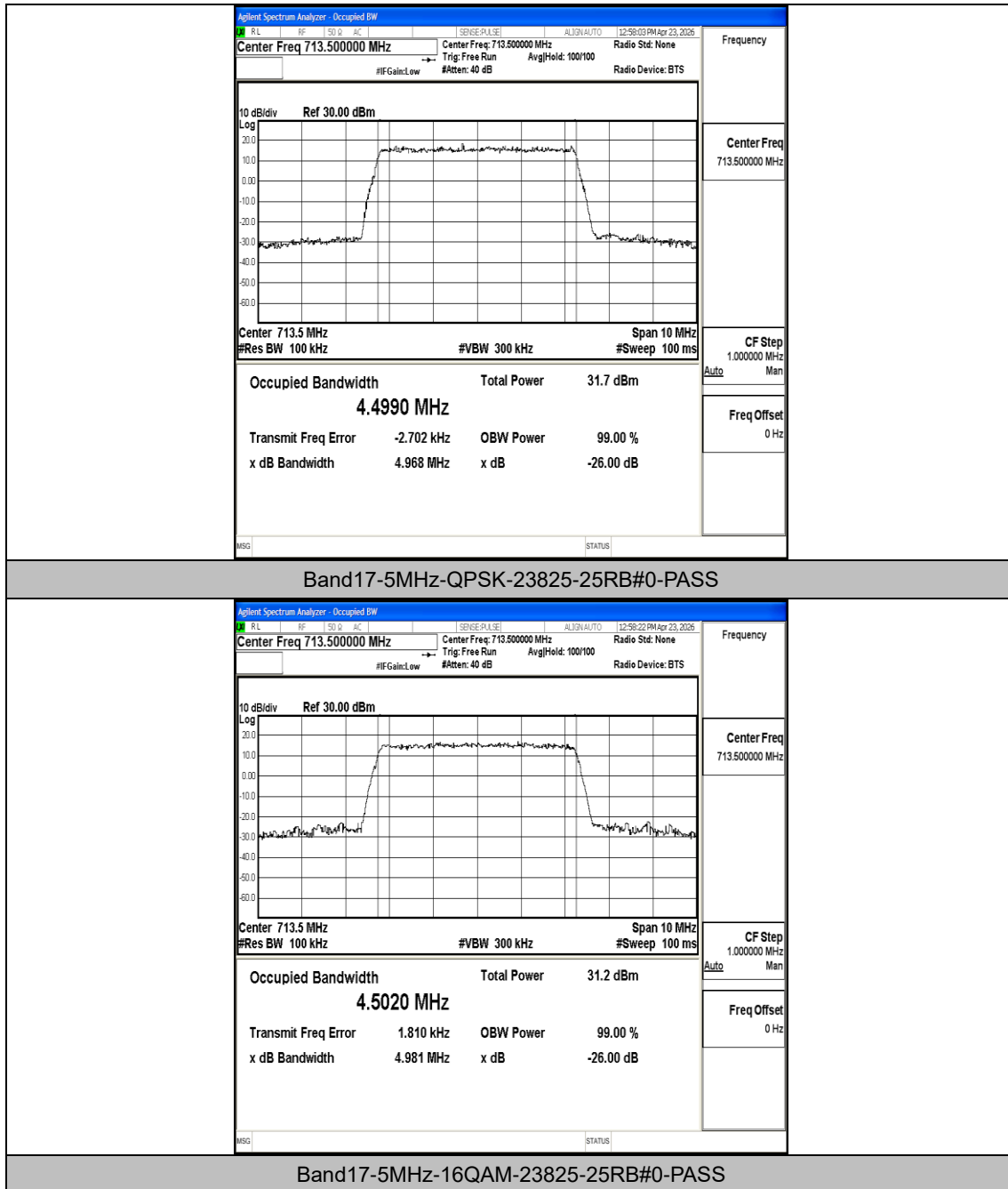
Test Result

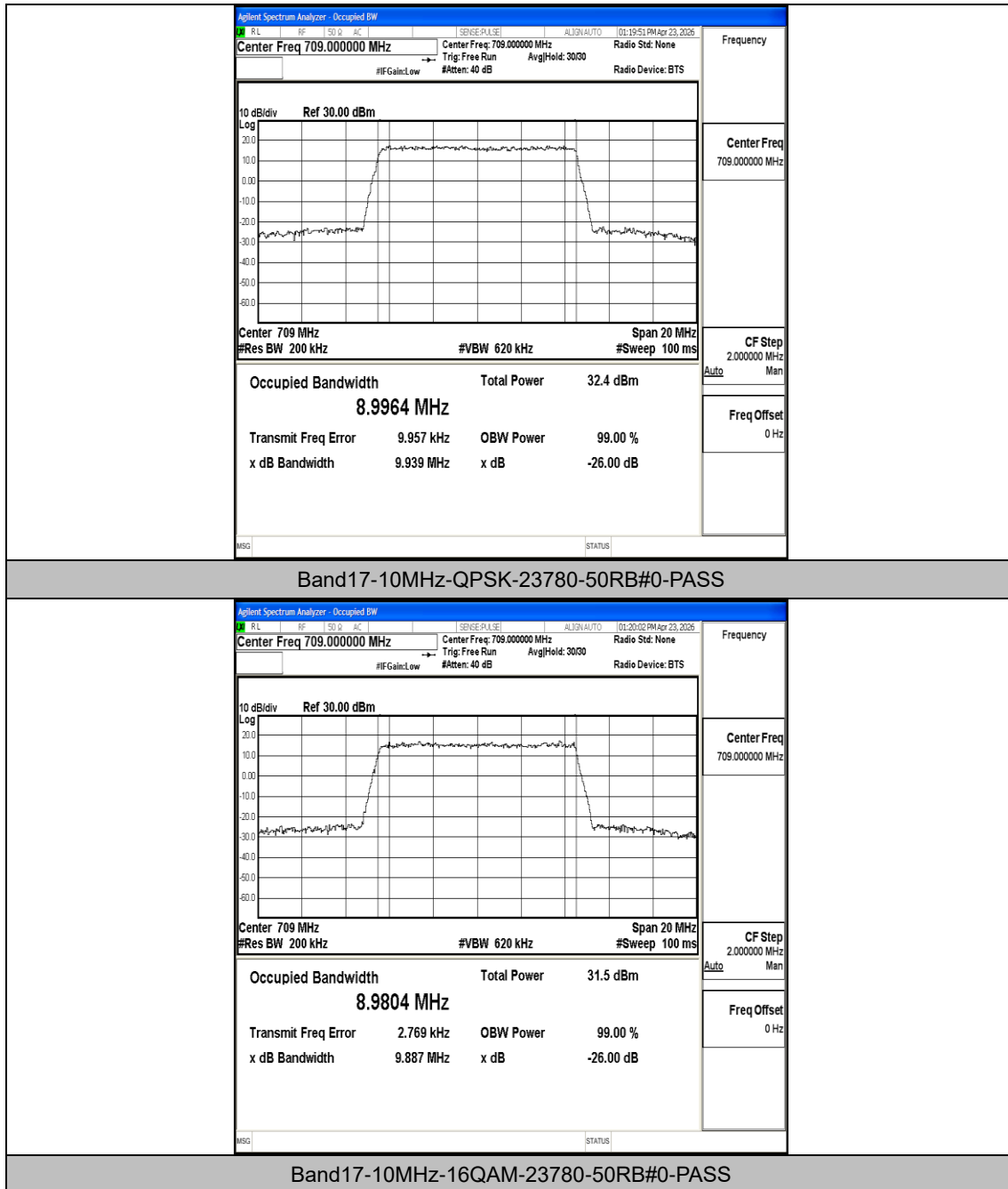
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4954	4.959	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4989	4.951	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5157	4.974	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5051	4.955	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4990	4.968	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5020	4.981	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9964	9.939	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9804	9.887	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0155	9.932	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0040	9.936	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9856	9.838	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9970	9.927	PASS

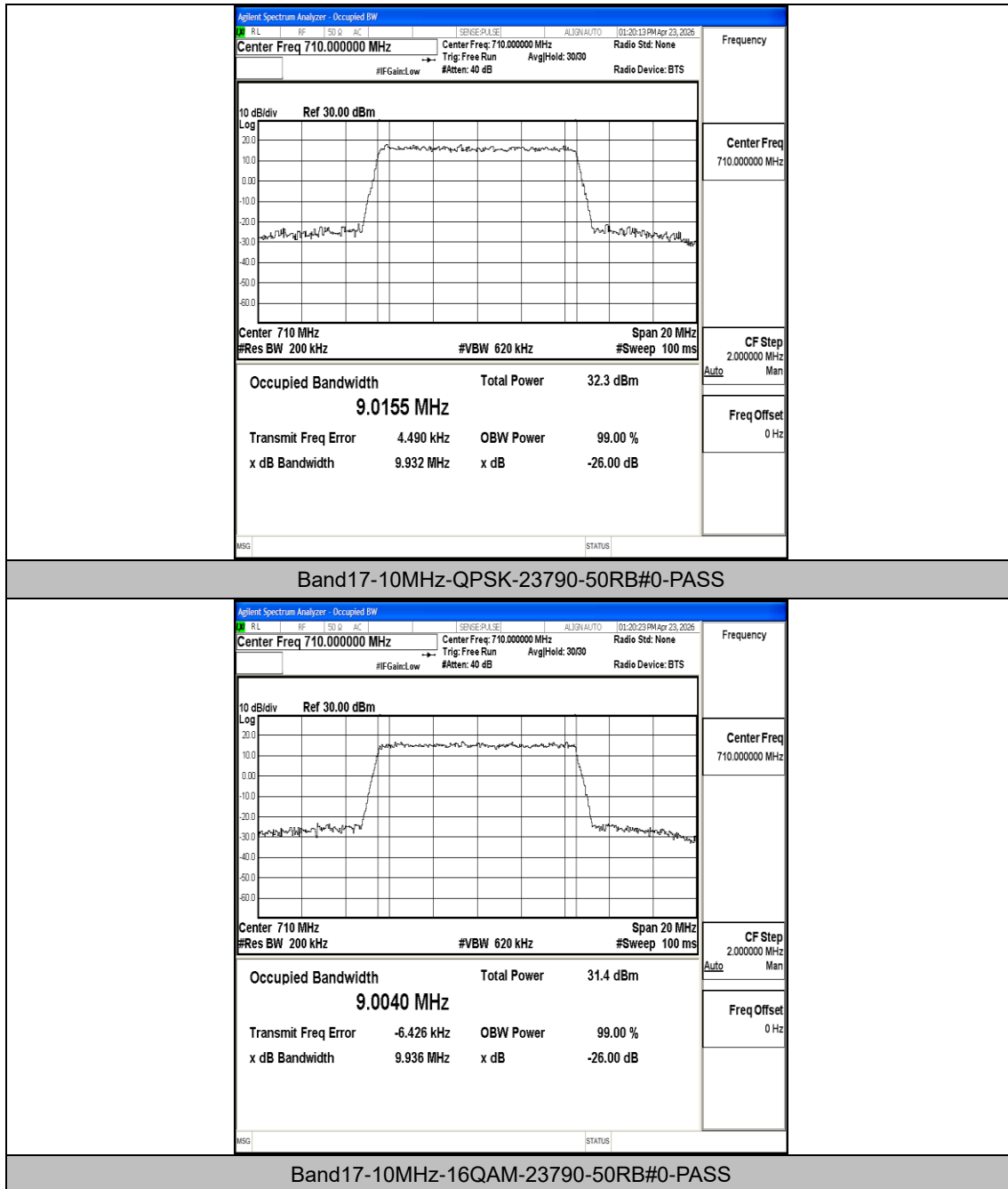
Test Graphs

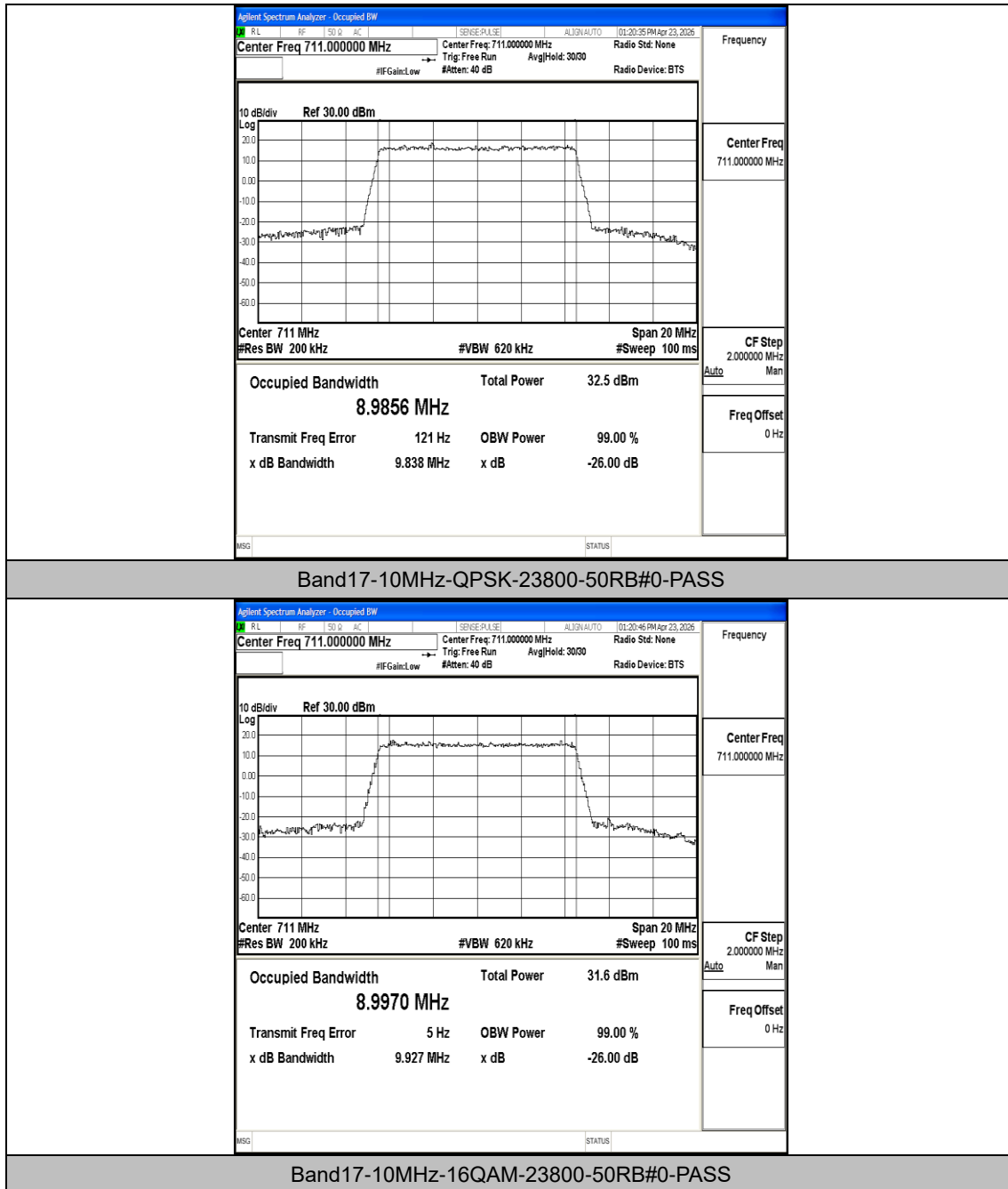












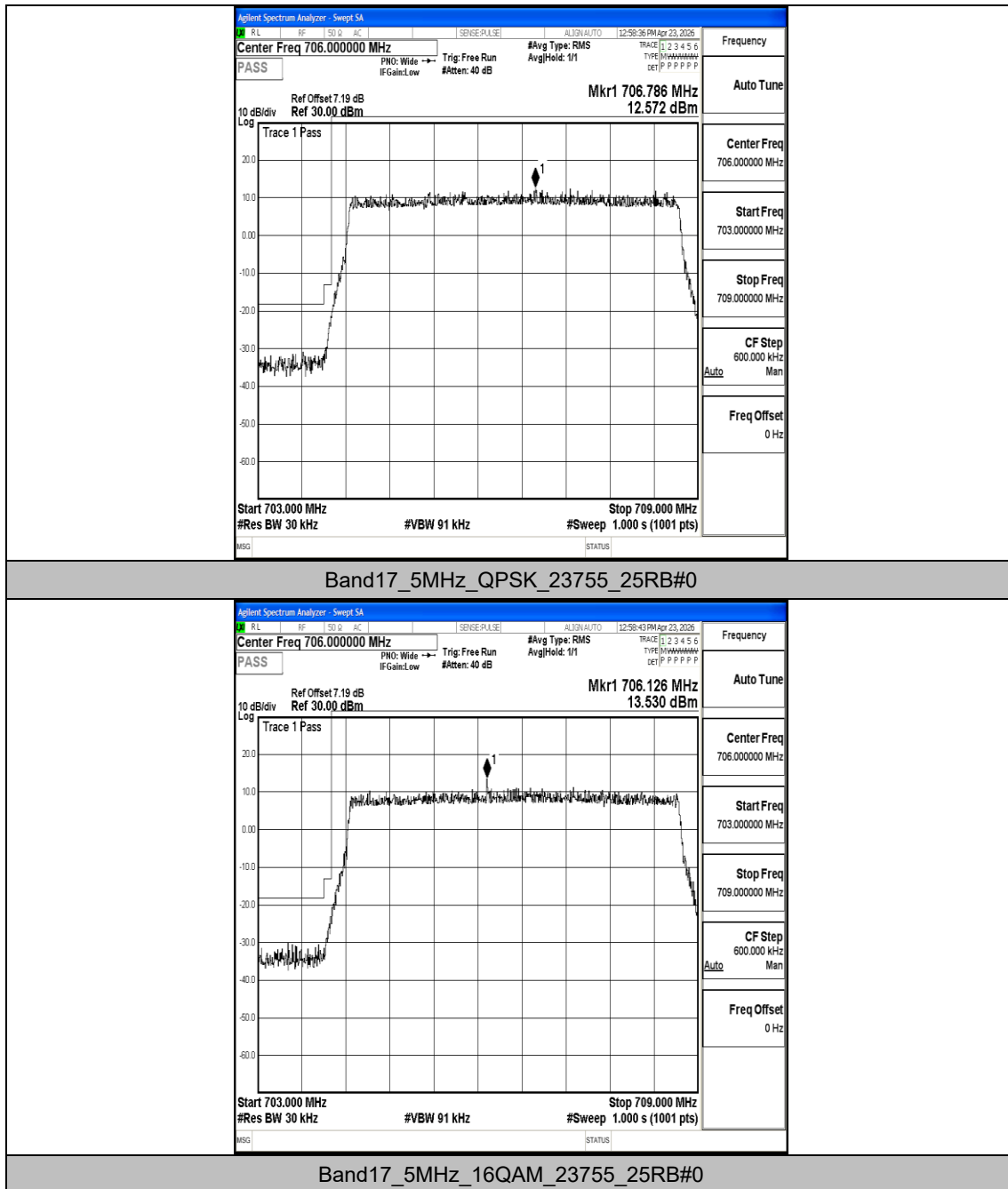


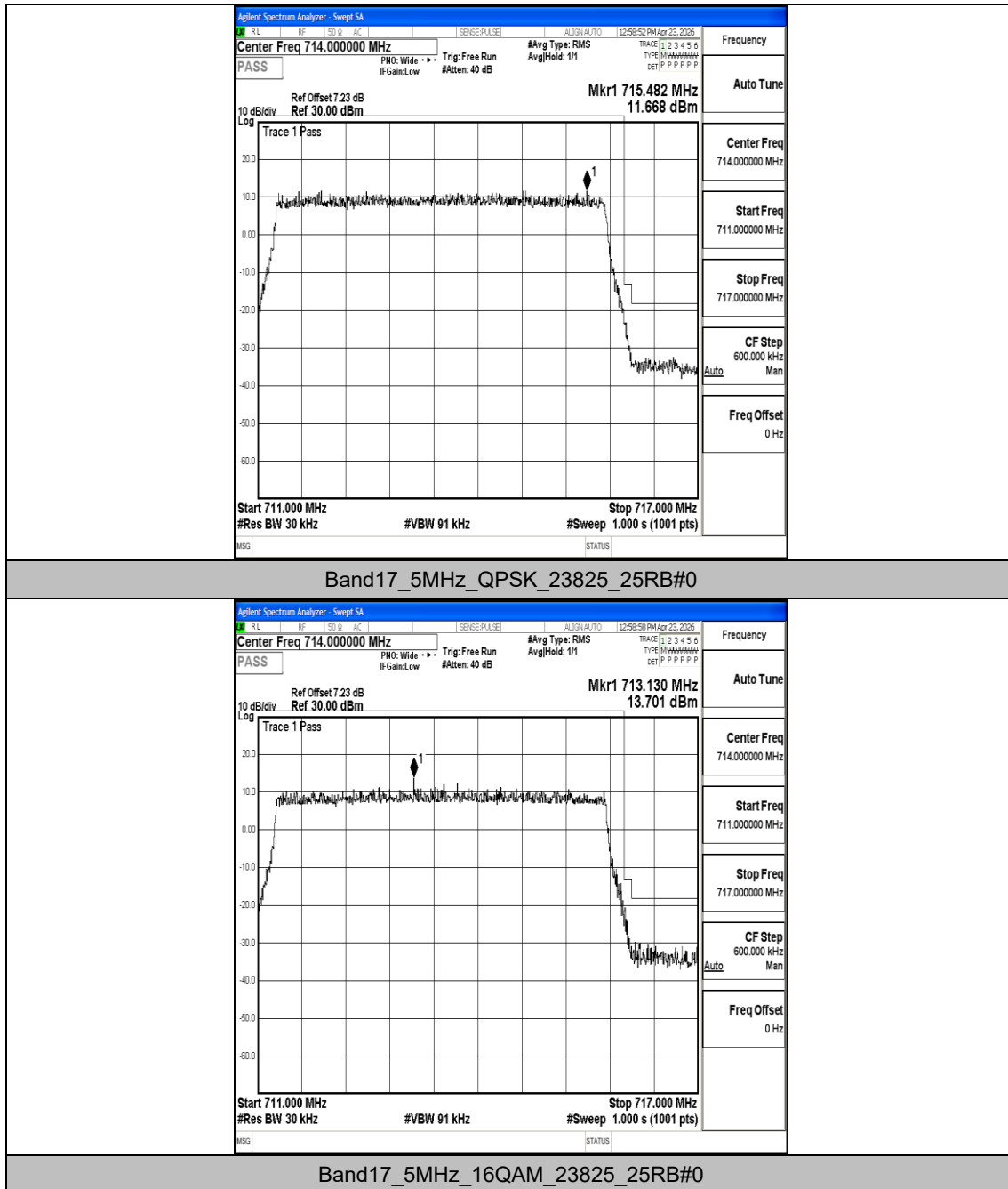
3 Band Edge

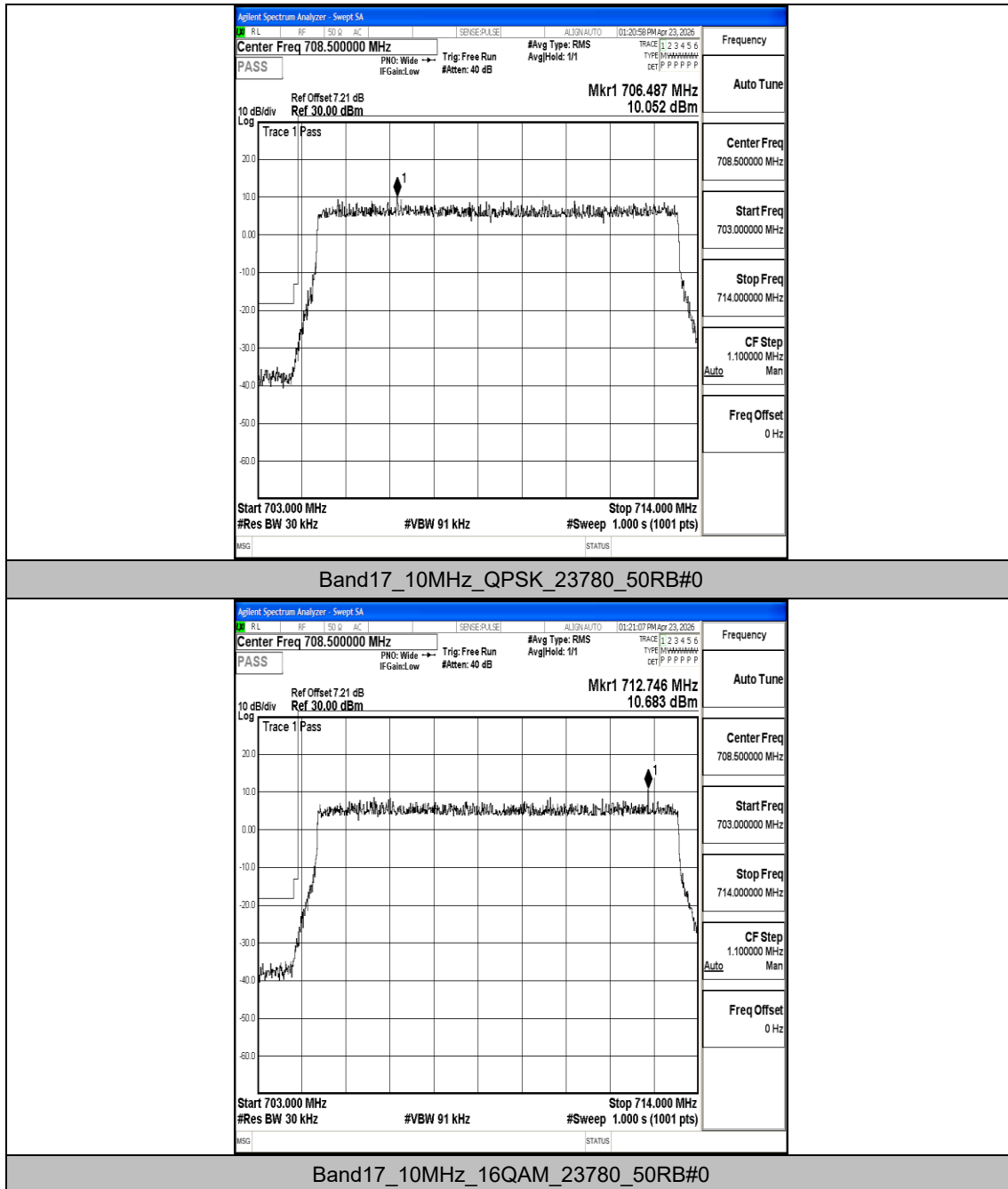
Test Result

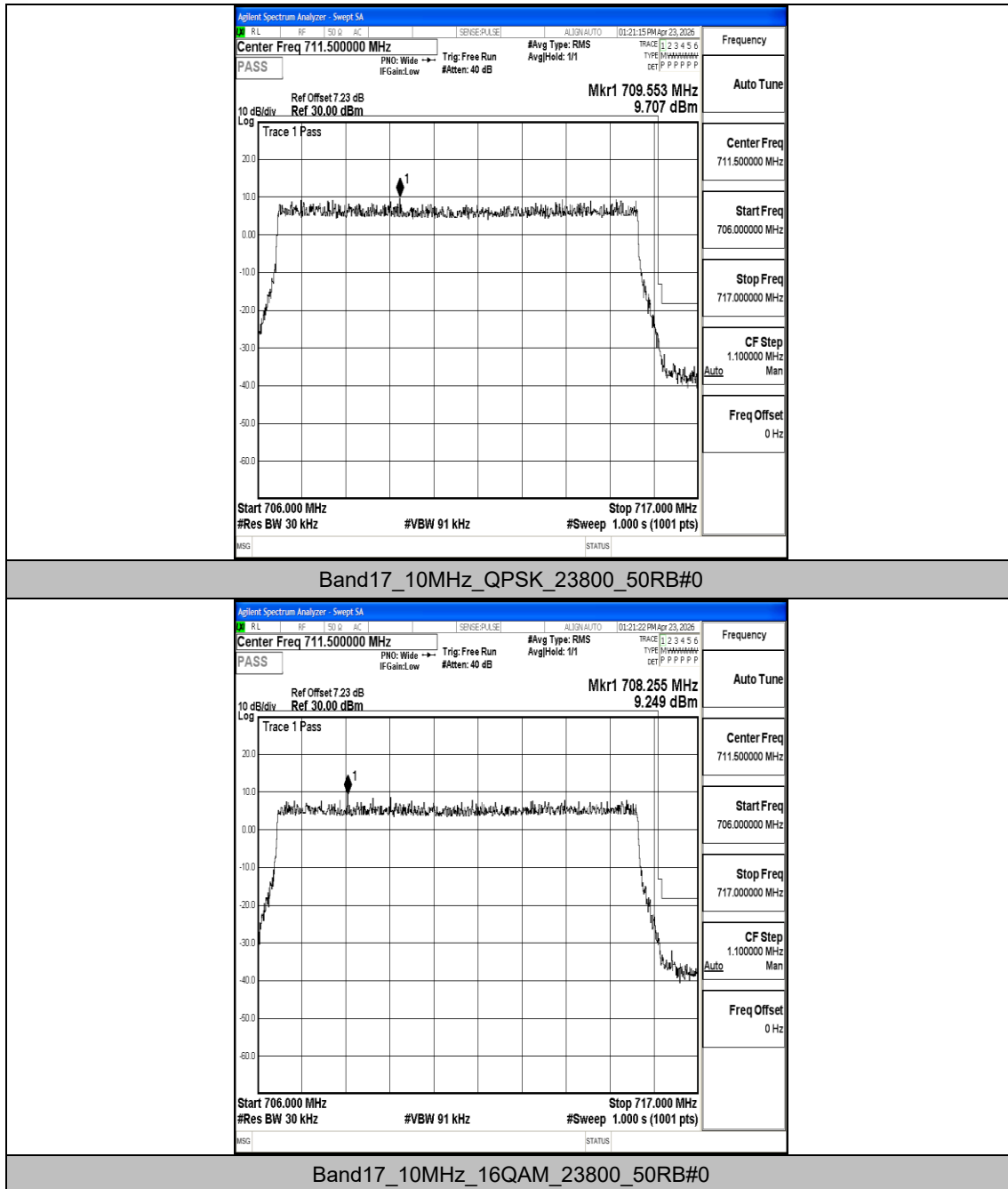
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.99	-23.05	PASS
Band17	5MHz	16QAM	23755	25RB#0	704.00	-23.18	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.01	-23.37	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.00	-20.62	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.88	-35.11	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.98	-28.80	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.15	-31.59	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.34	-32.06	PASS

Test Graphs









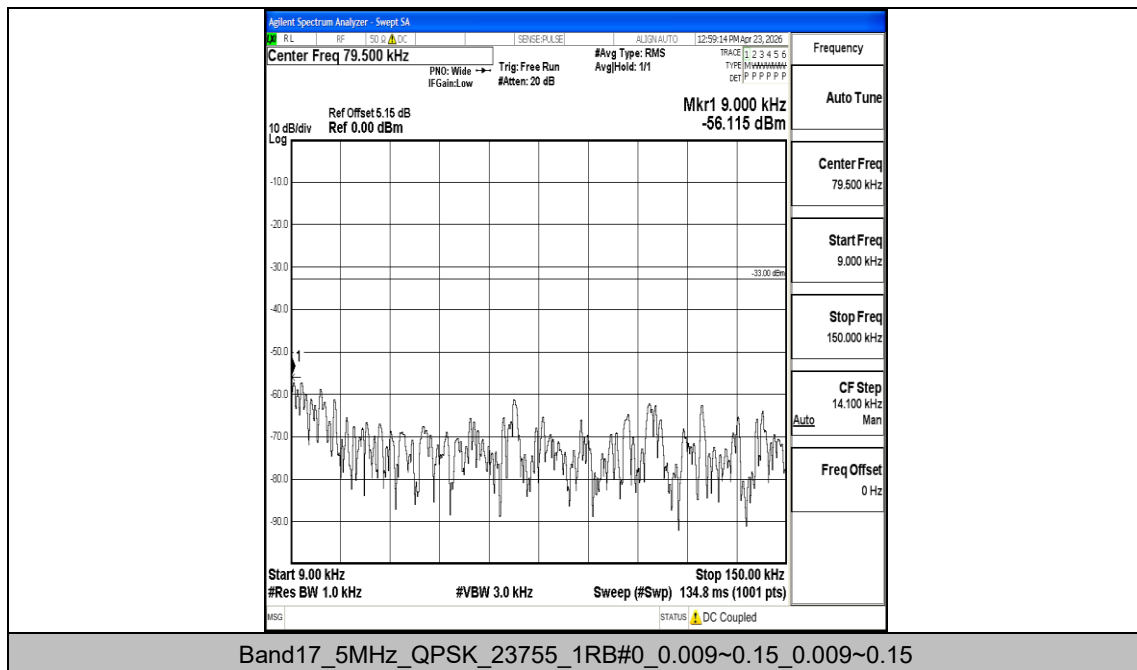
4 Conducted Spurious Emission

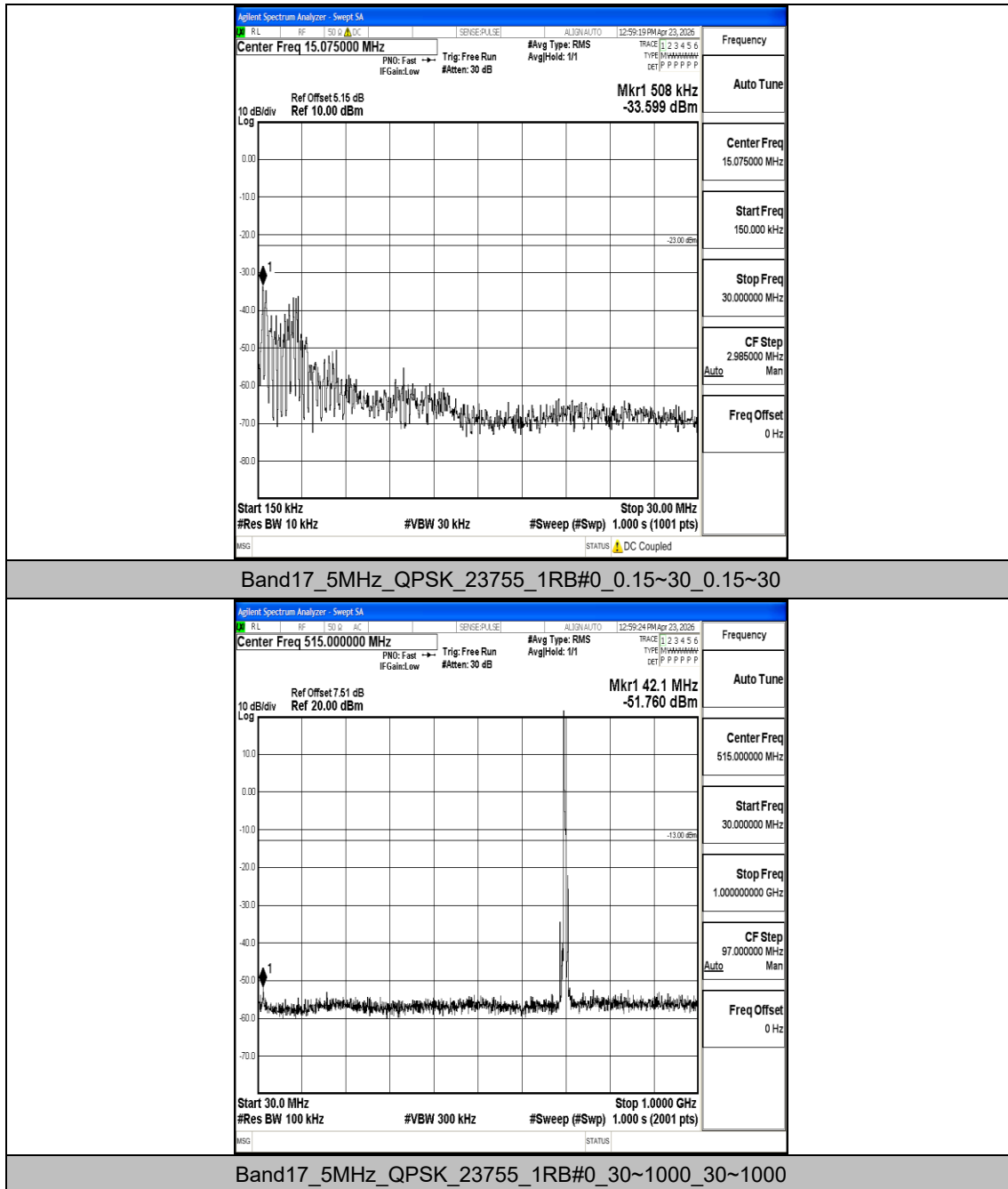
Test Result

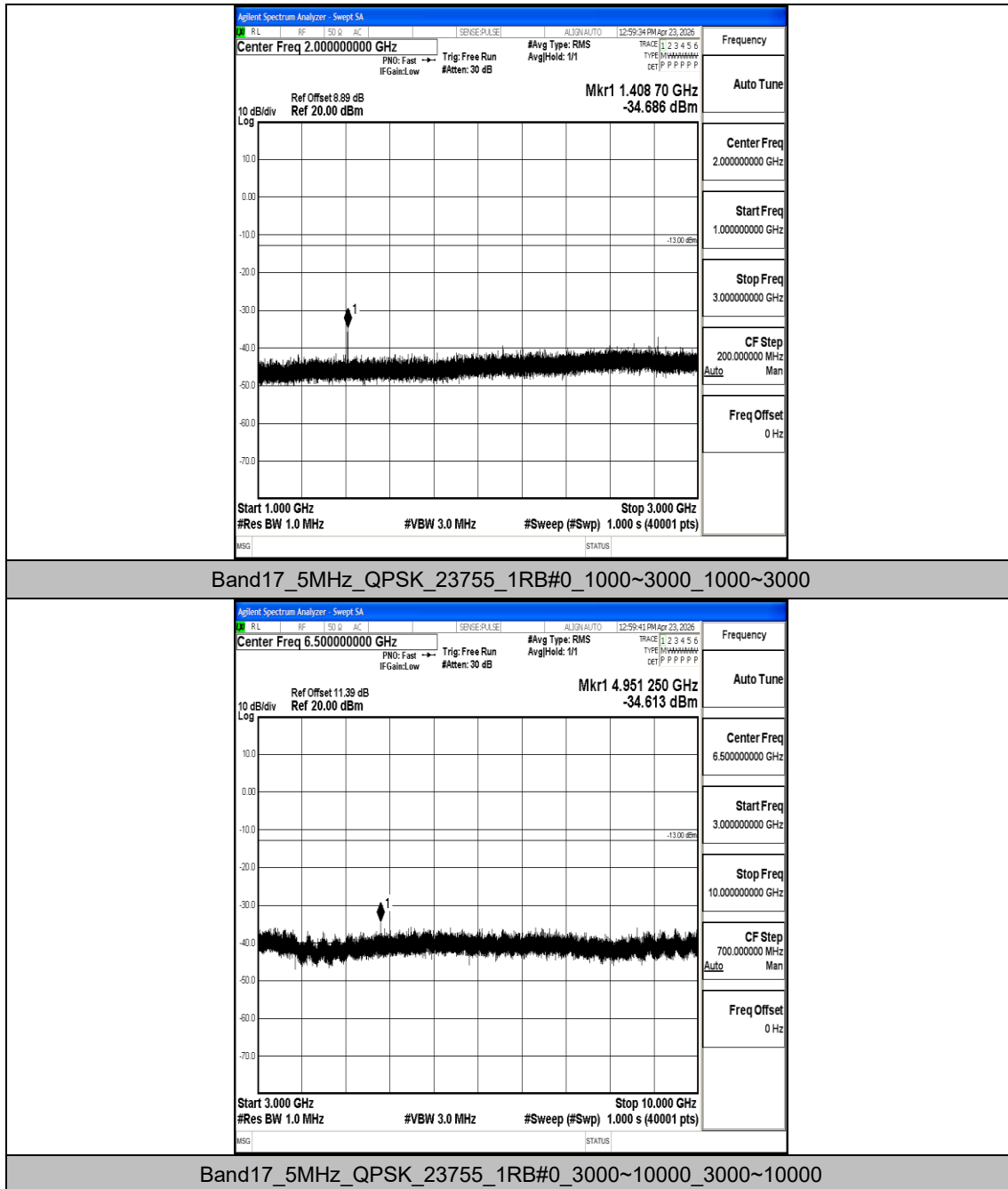
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-56.12	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-33.60	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-51.76	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-34.69	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-34.61	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-57.74	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-31.41	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-38.72	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-34.59	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.67	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-54.35	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-32.06	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-52.90	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-32.61	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-34.17	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-57.50	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-29.91	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-52.05	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-34.18	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-35.64	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-58.39	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-29.05	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-52.20	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-36.30	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-35.30	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-56.90	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-32.39	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-52.82	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-37.11	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-35.52	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-54.97	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-32.04	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-52.82	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-35.89	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-35.13	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-57.36	PASS

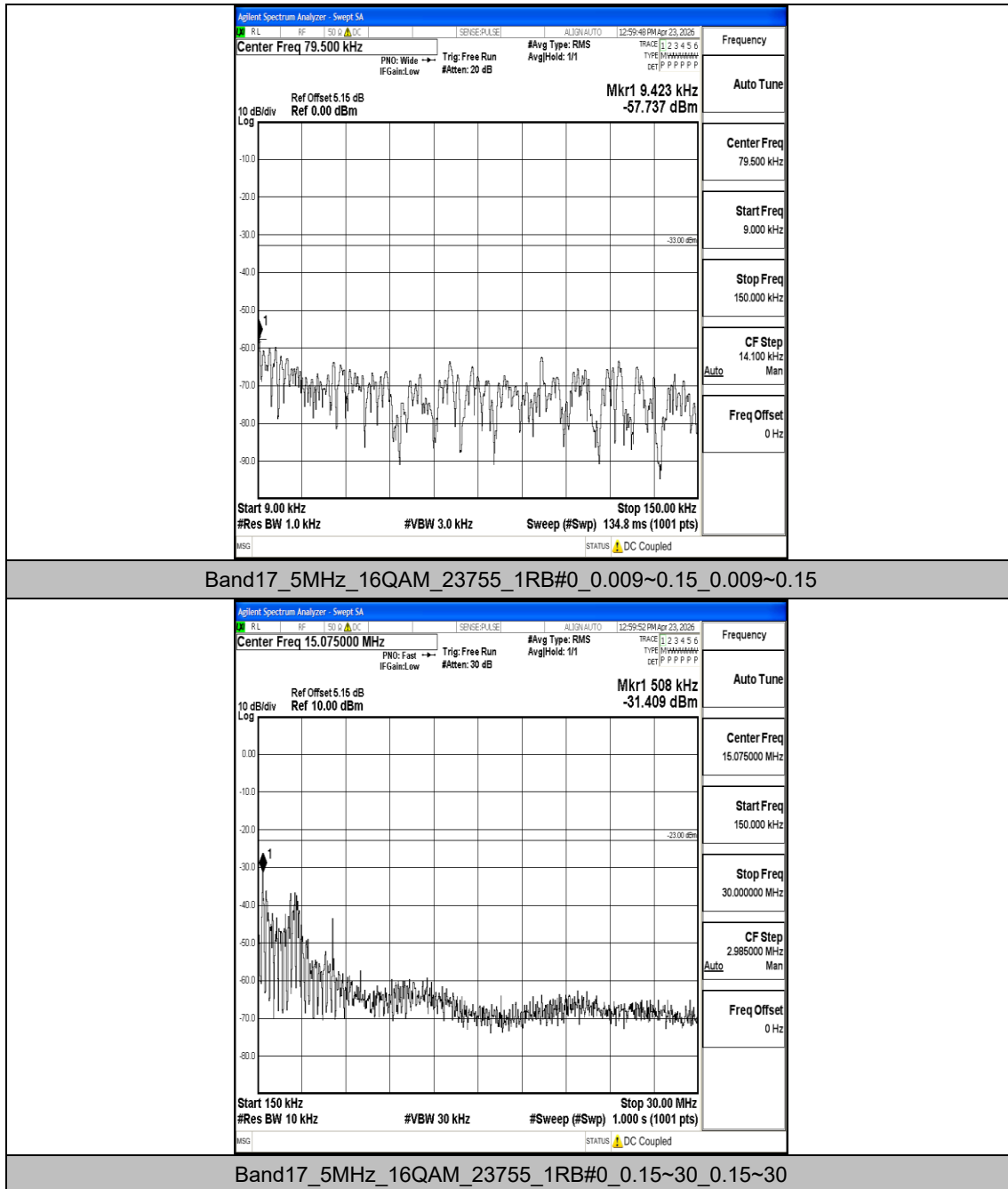
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-30.82	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-51.23	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-35.88	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-35.26	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-55.68	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-34.37	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-52.24	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-37.00	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-35.70	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-58.73	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-35.36	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-53.06	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-37.19	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-35.25	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-58.02	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-31.64	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-48.51	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-35.67	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-35.27	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-56.82	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-33.51	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-52.55	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-35.90	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-35.19	PASS

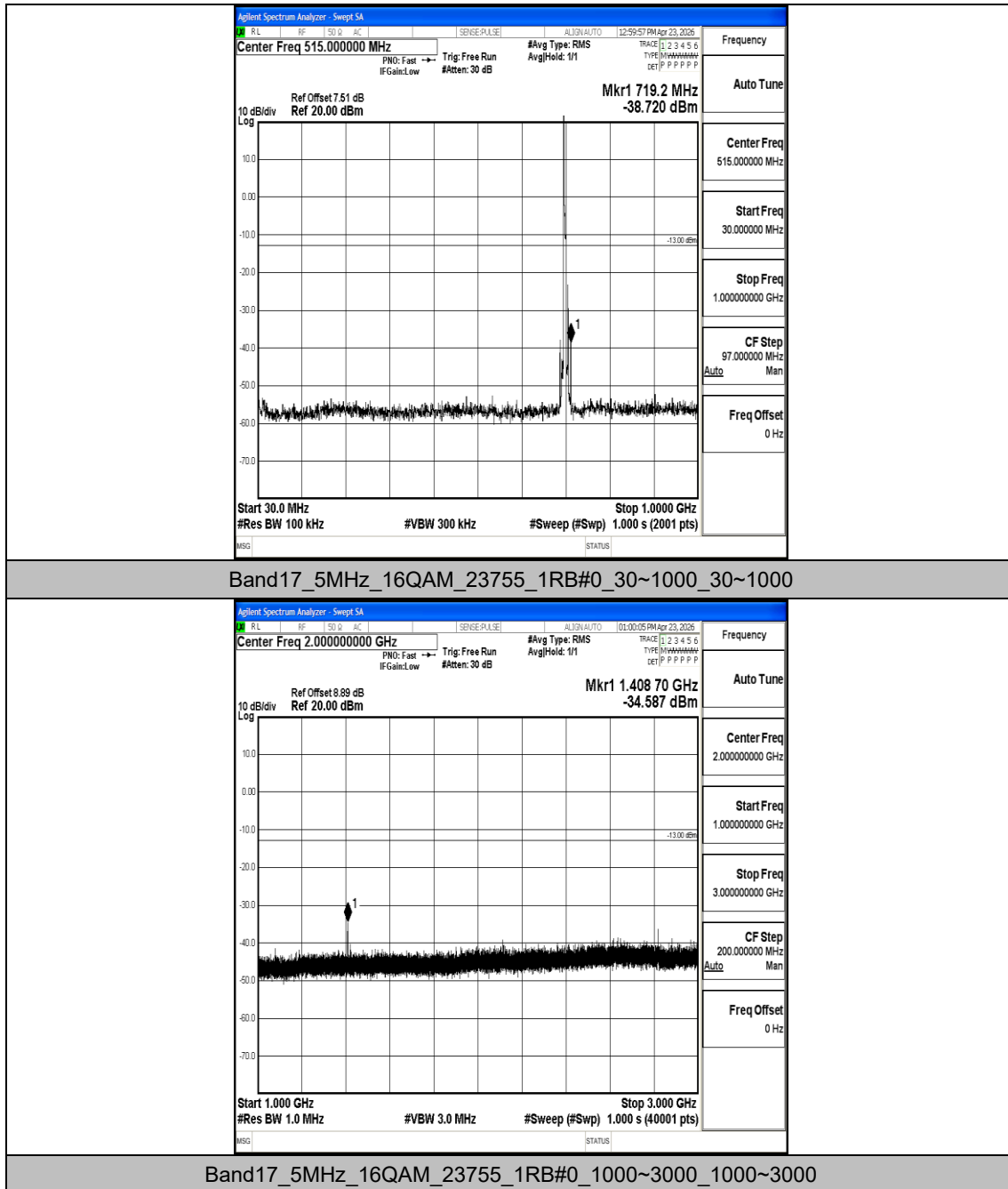
Test Graphs

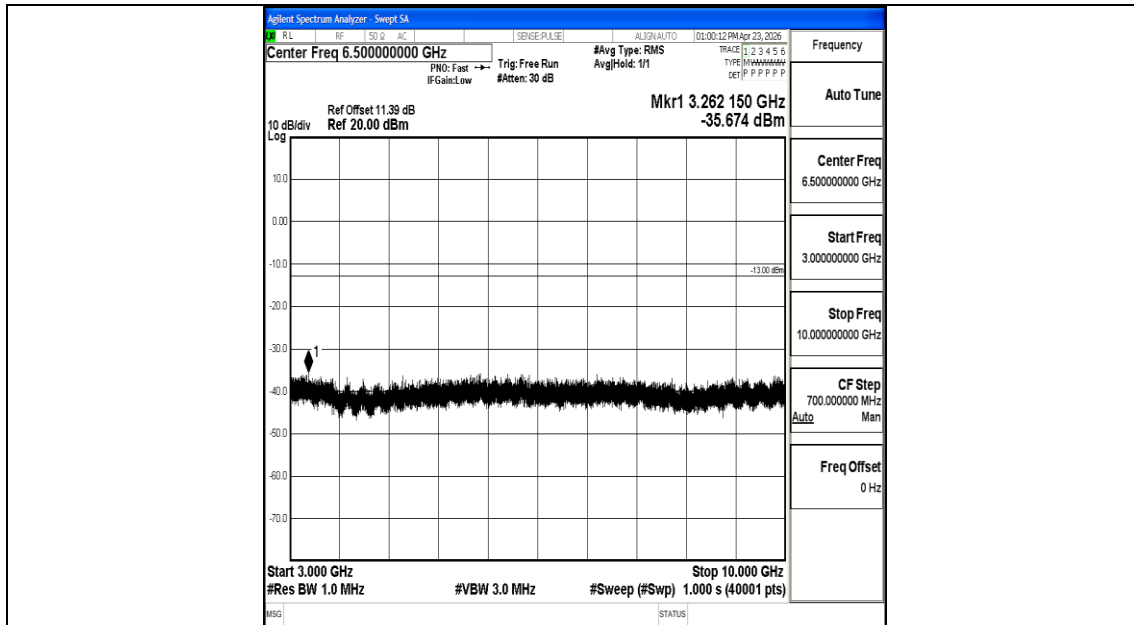




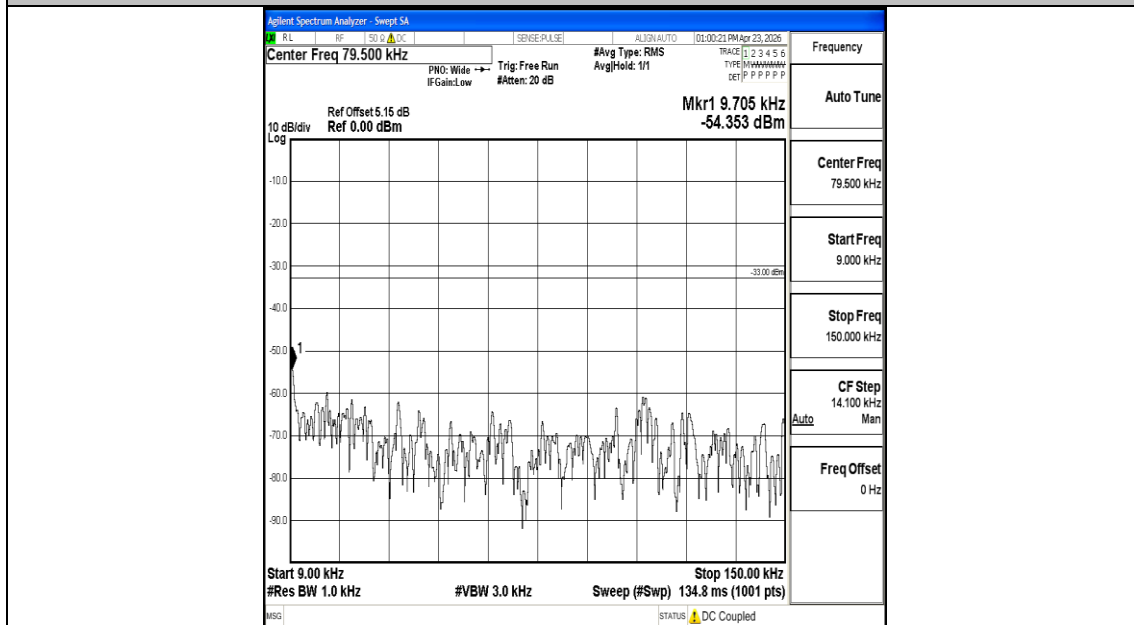




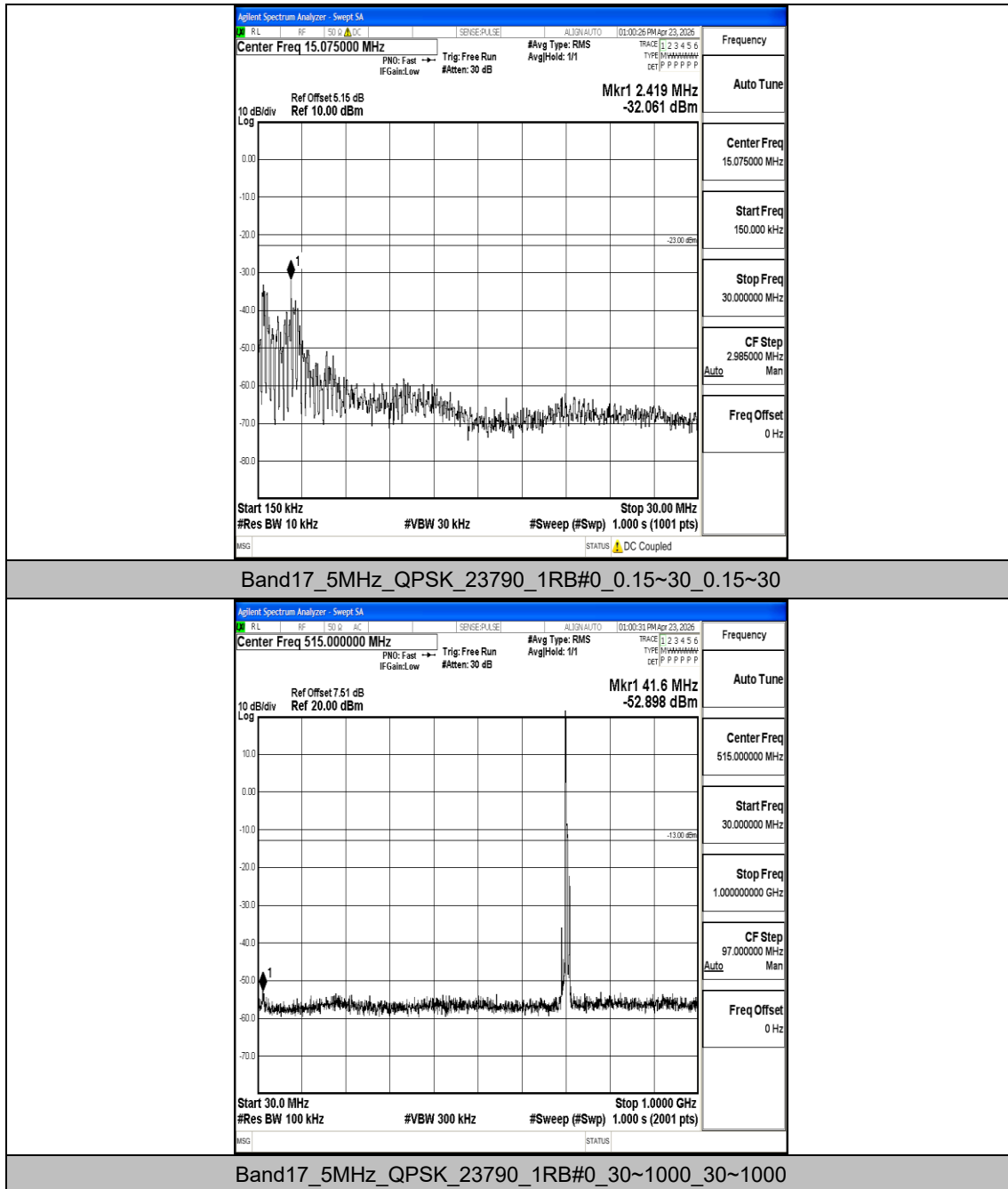


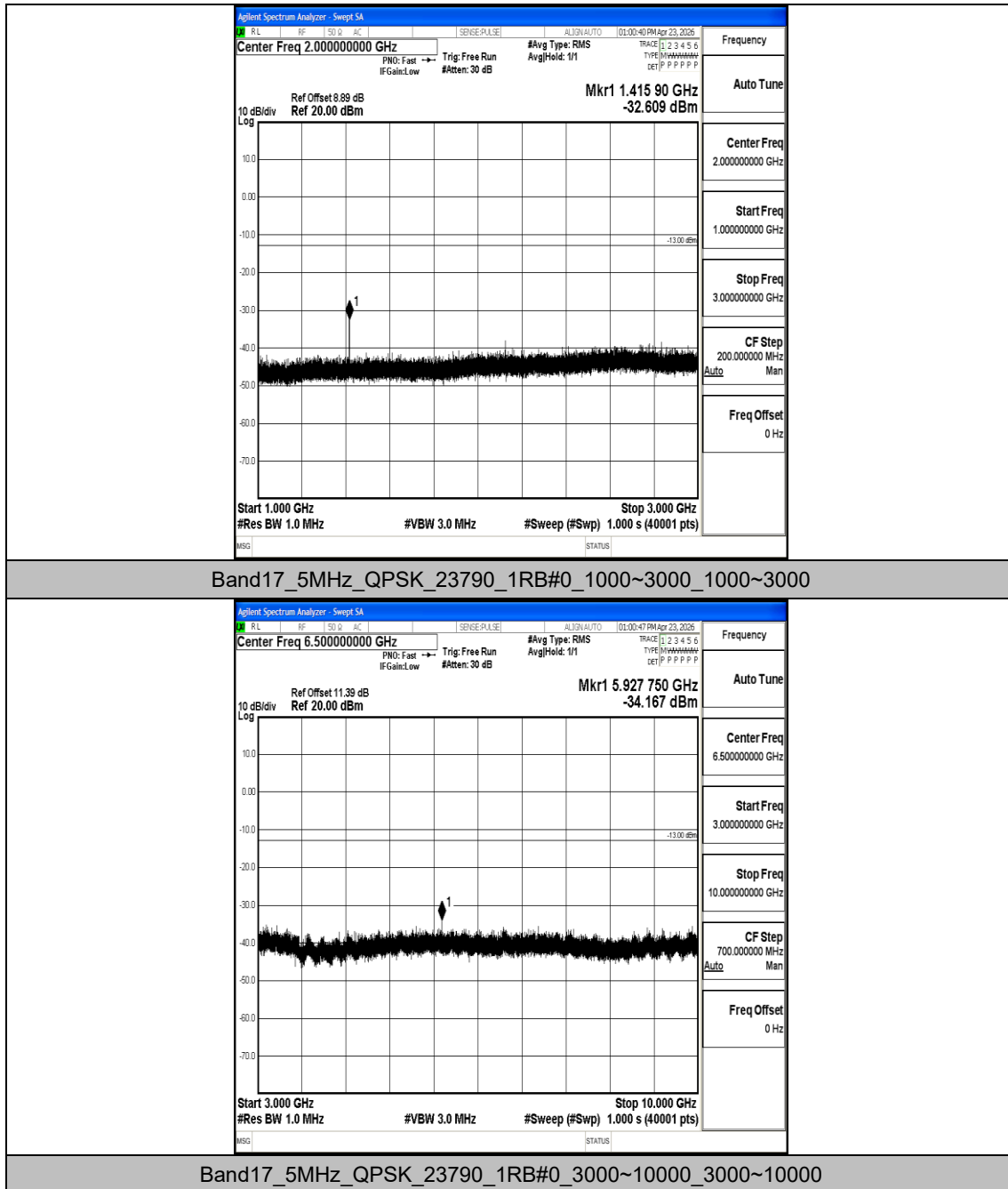


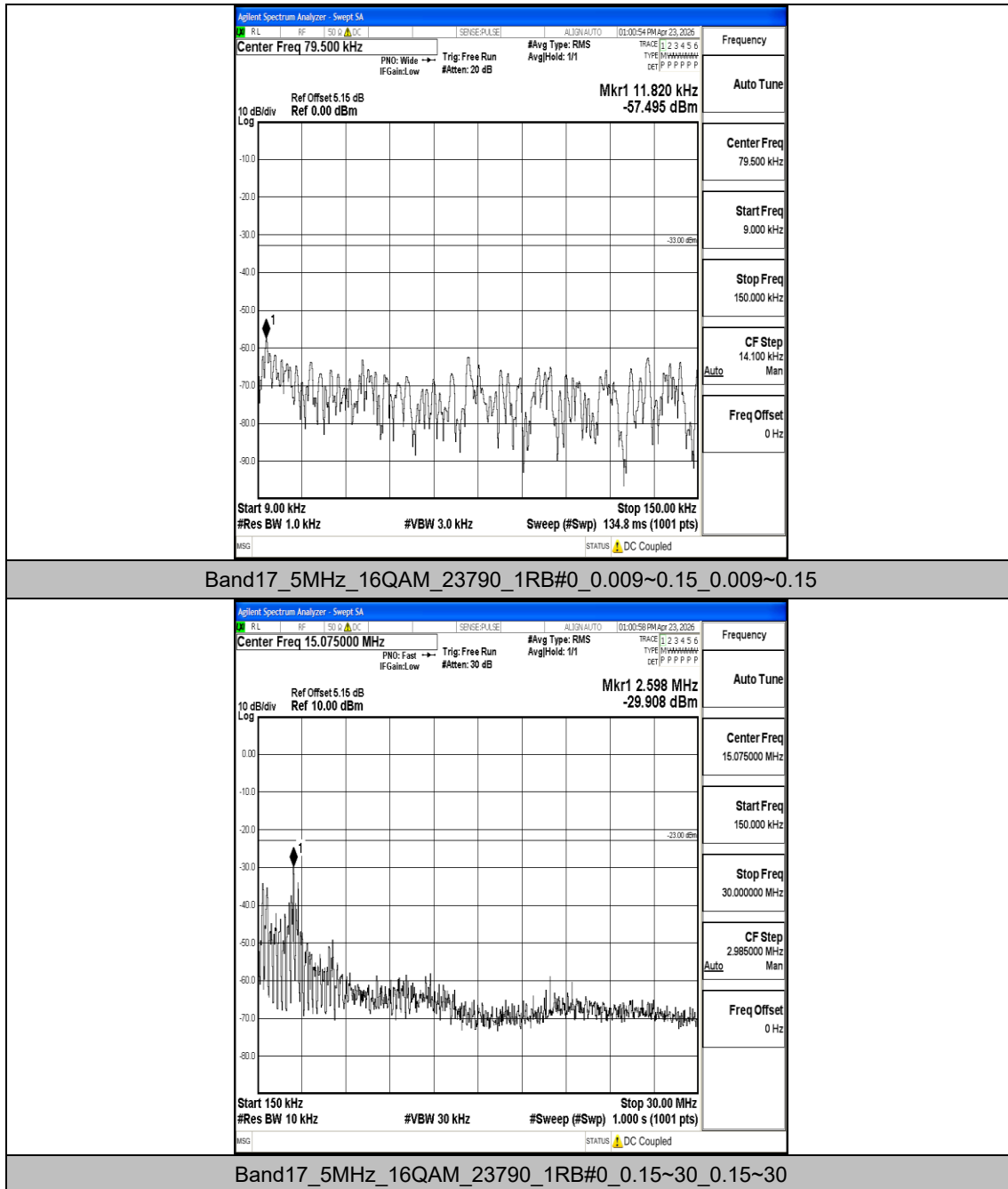
Band17_5MHz_16QAM_23755_1RB#0_3000~10000_3000~10000

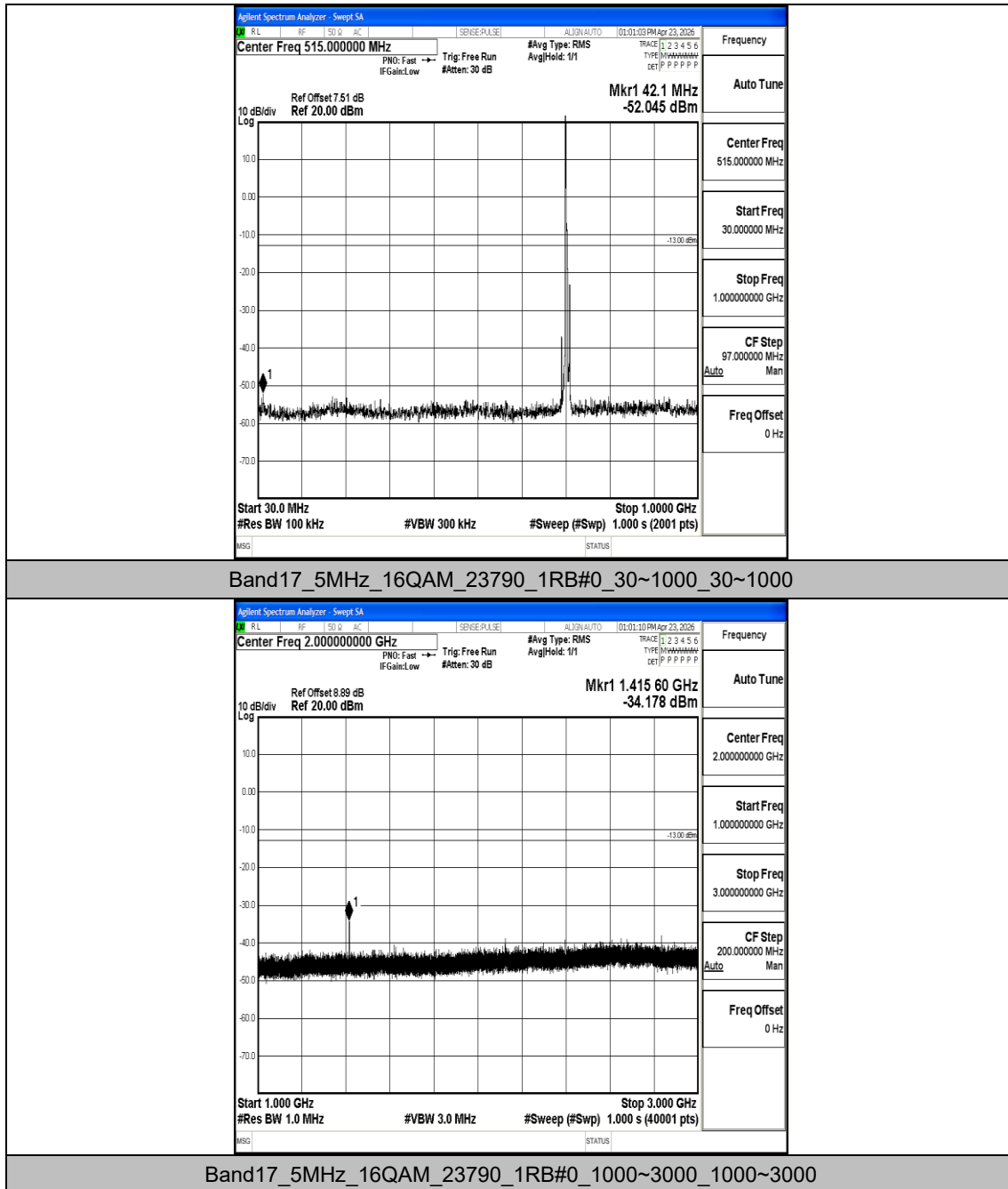


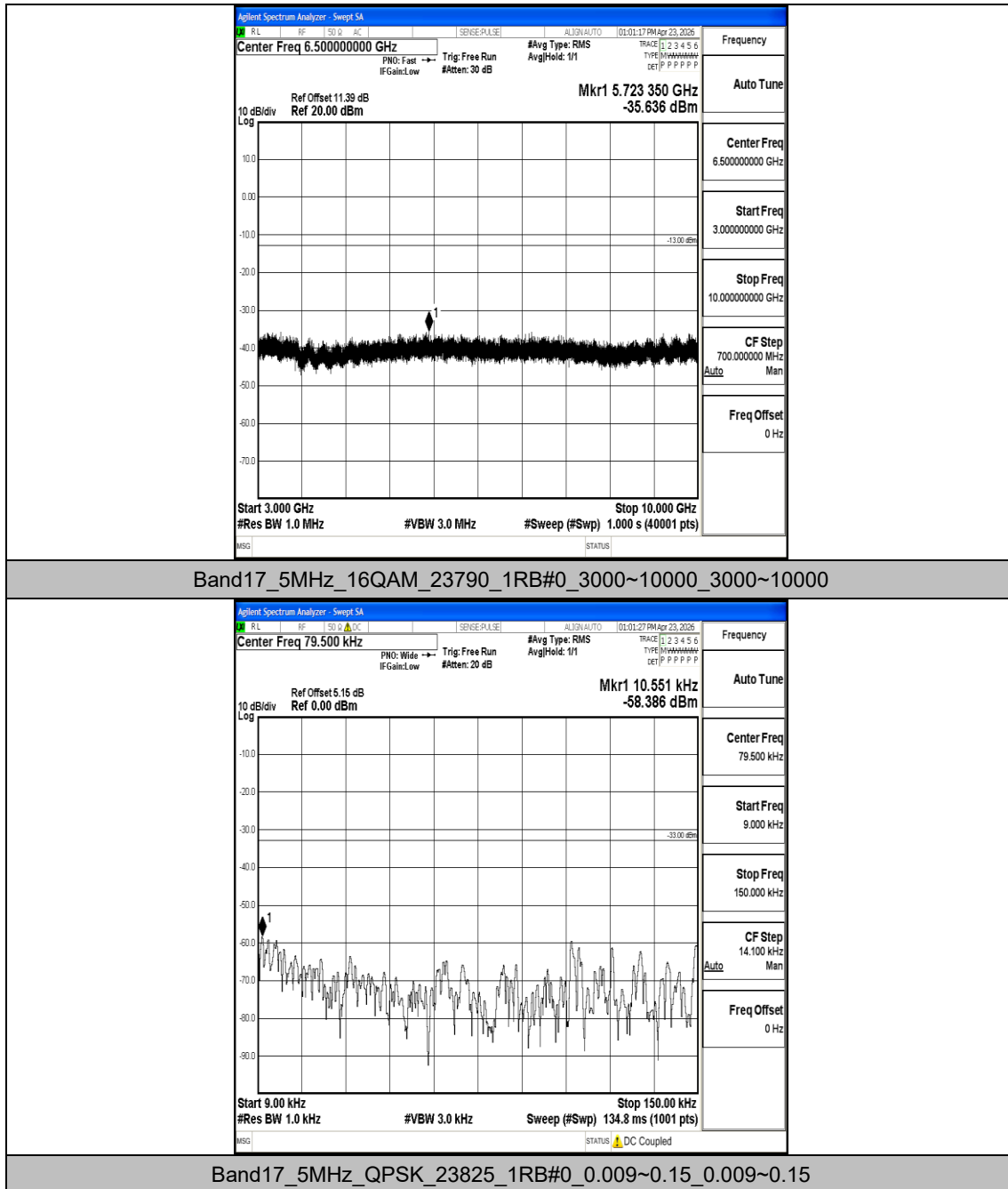
Band17_5MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15

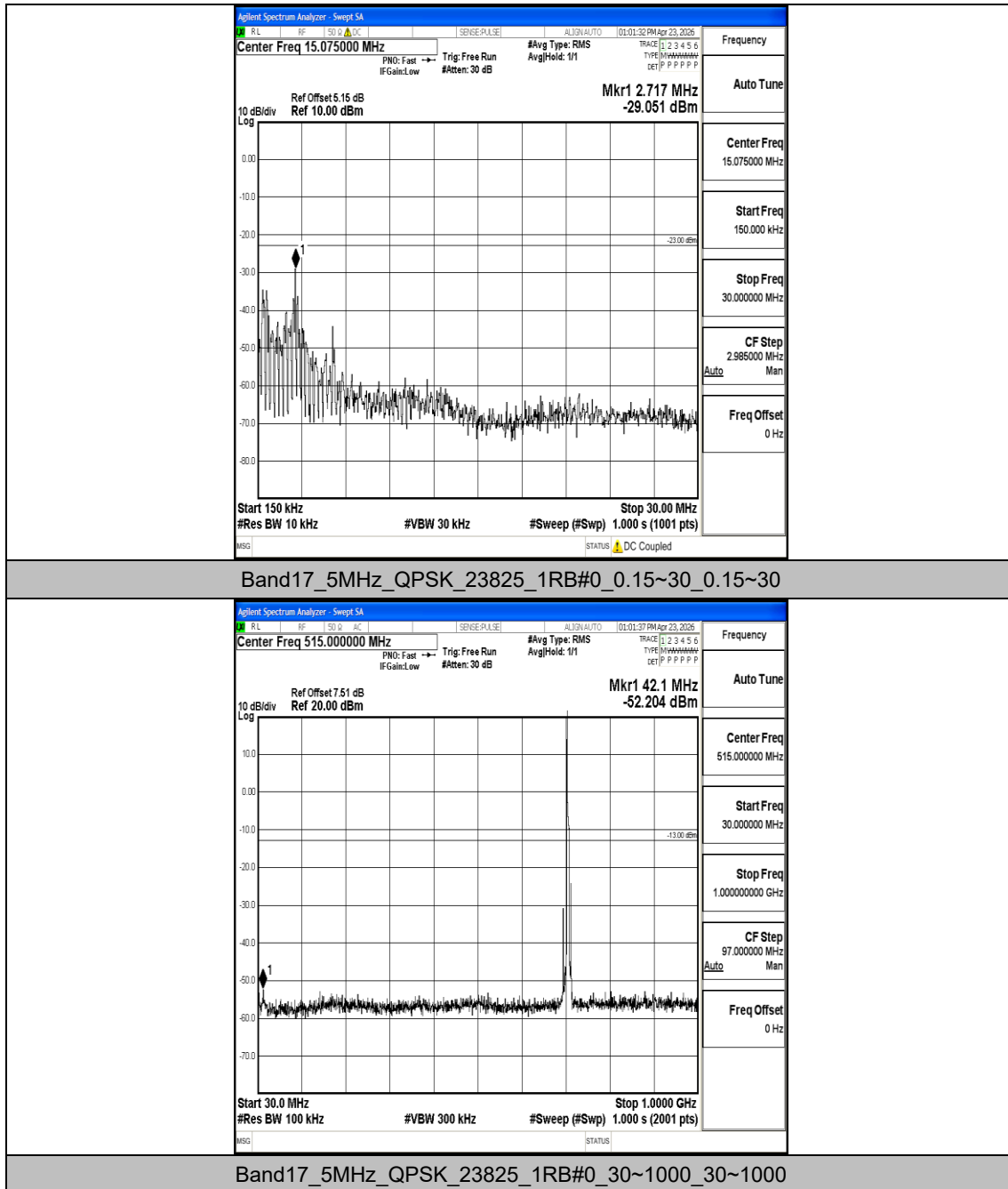


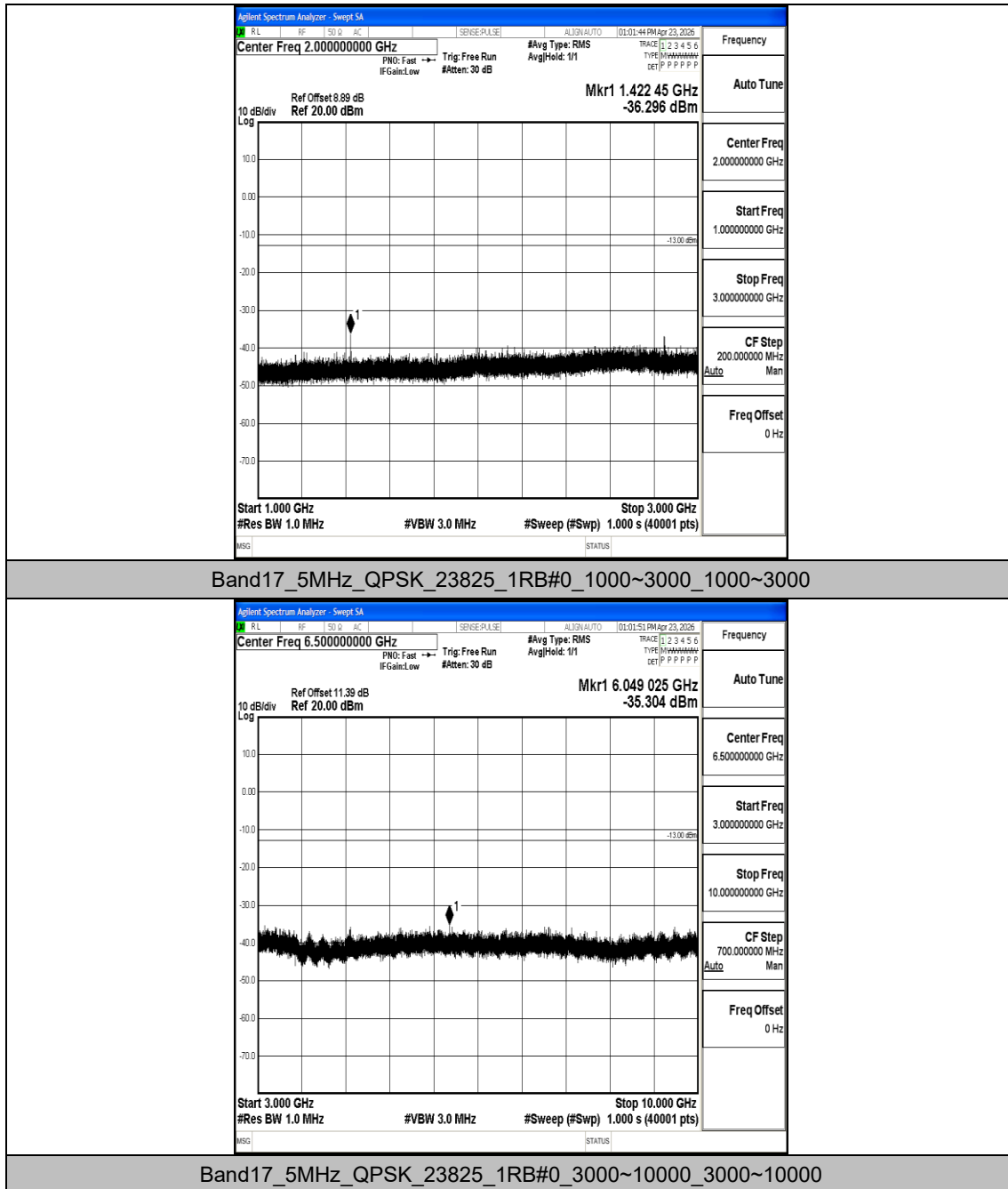


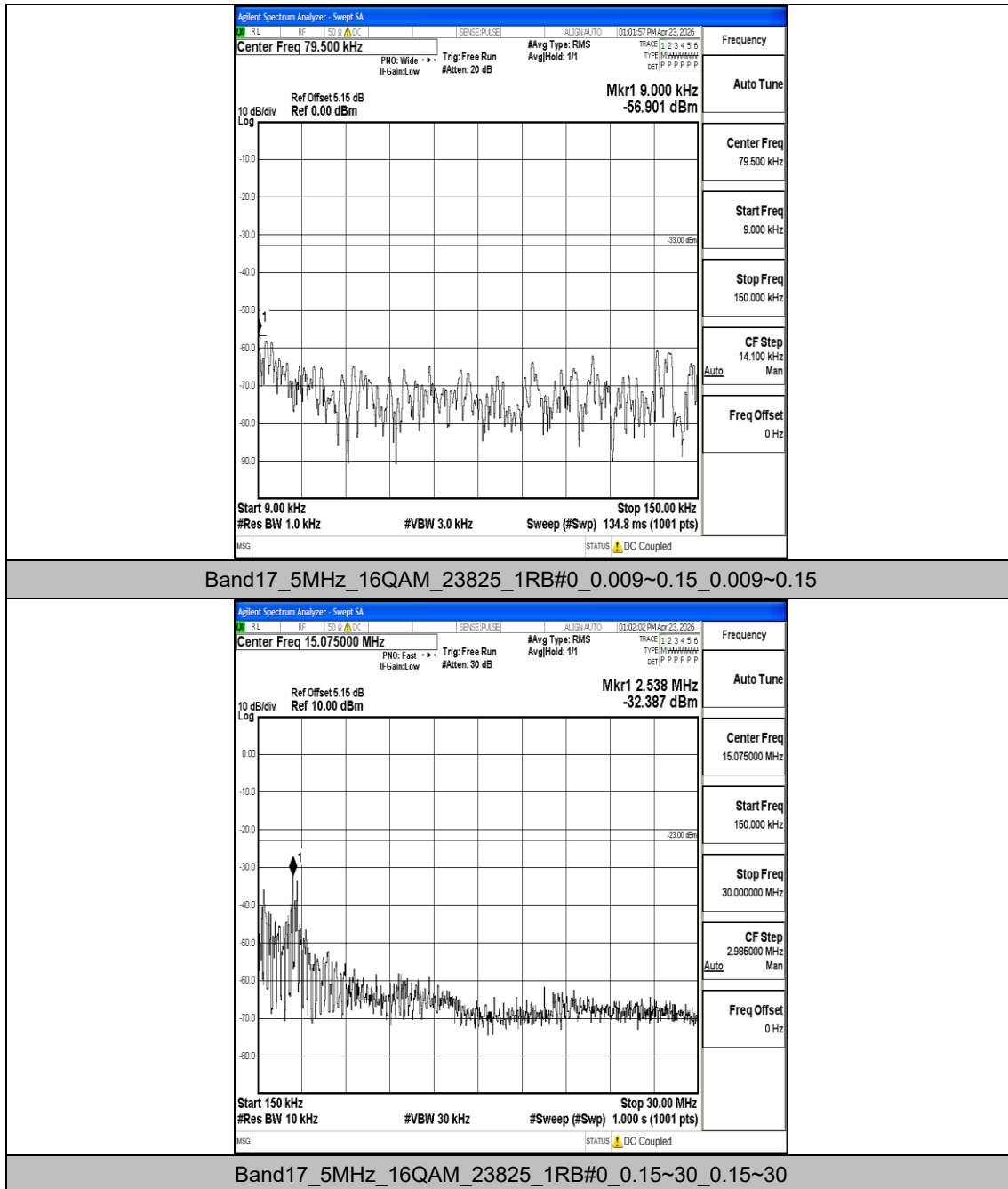


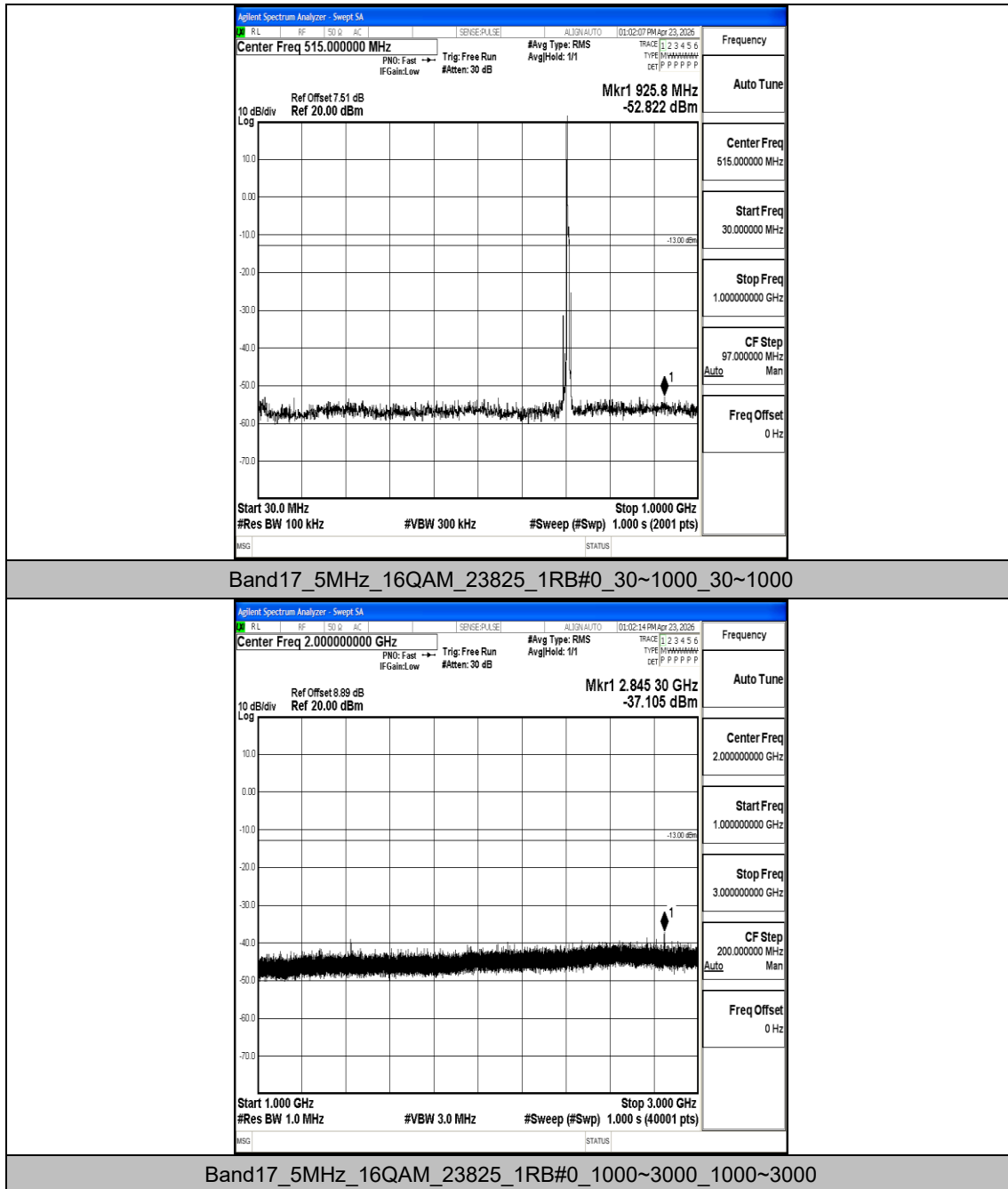


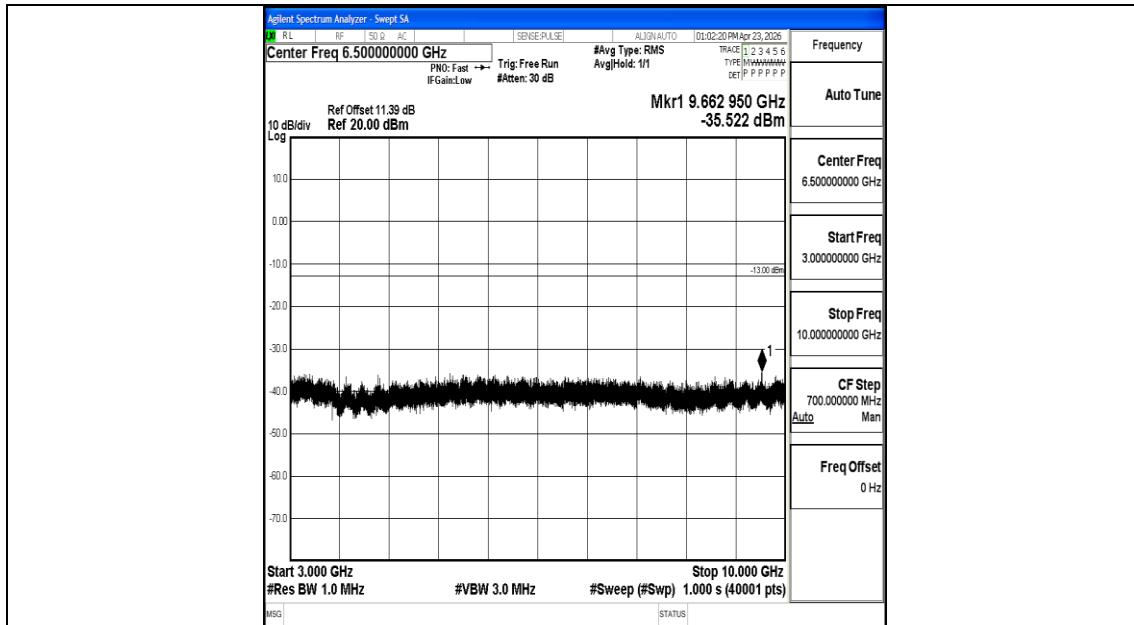




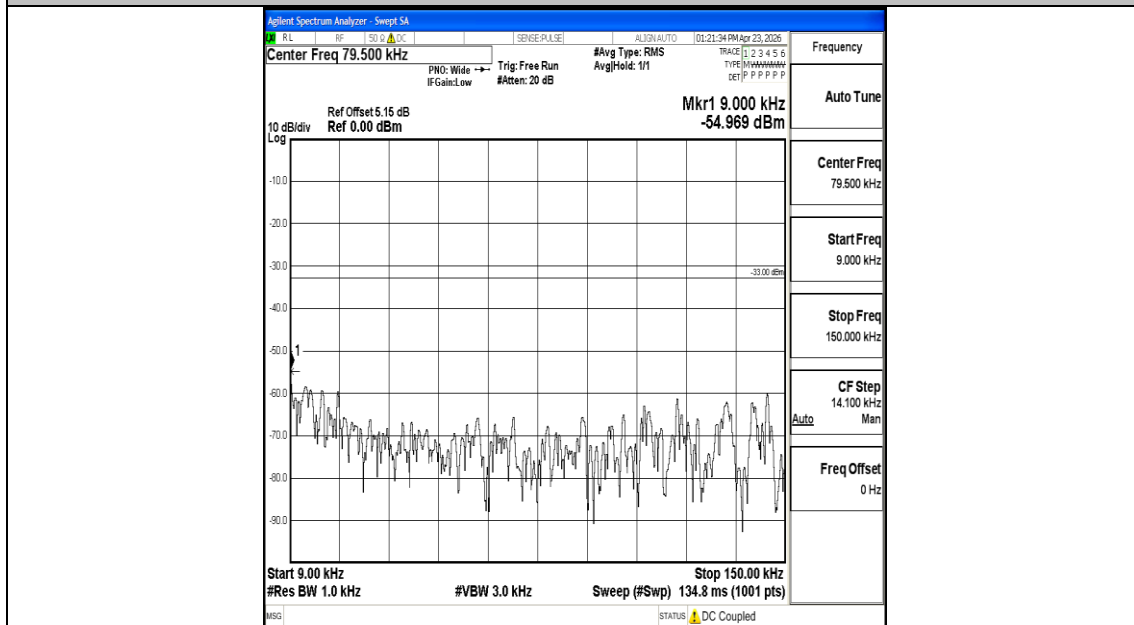




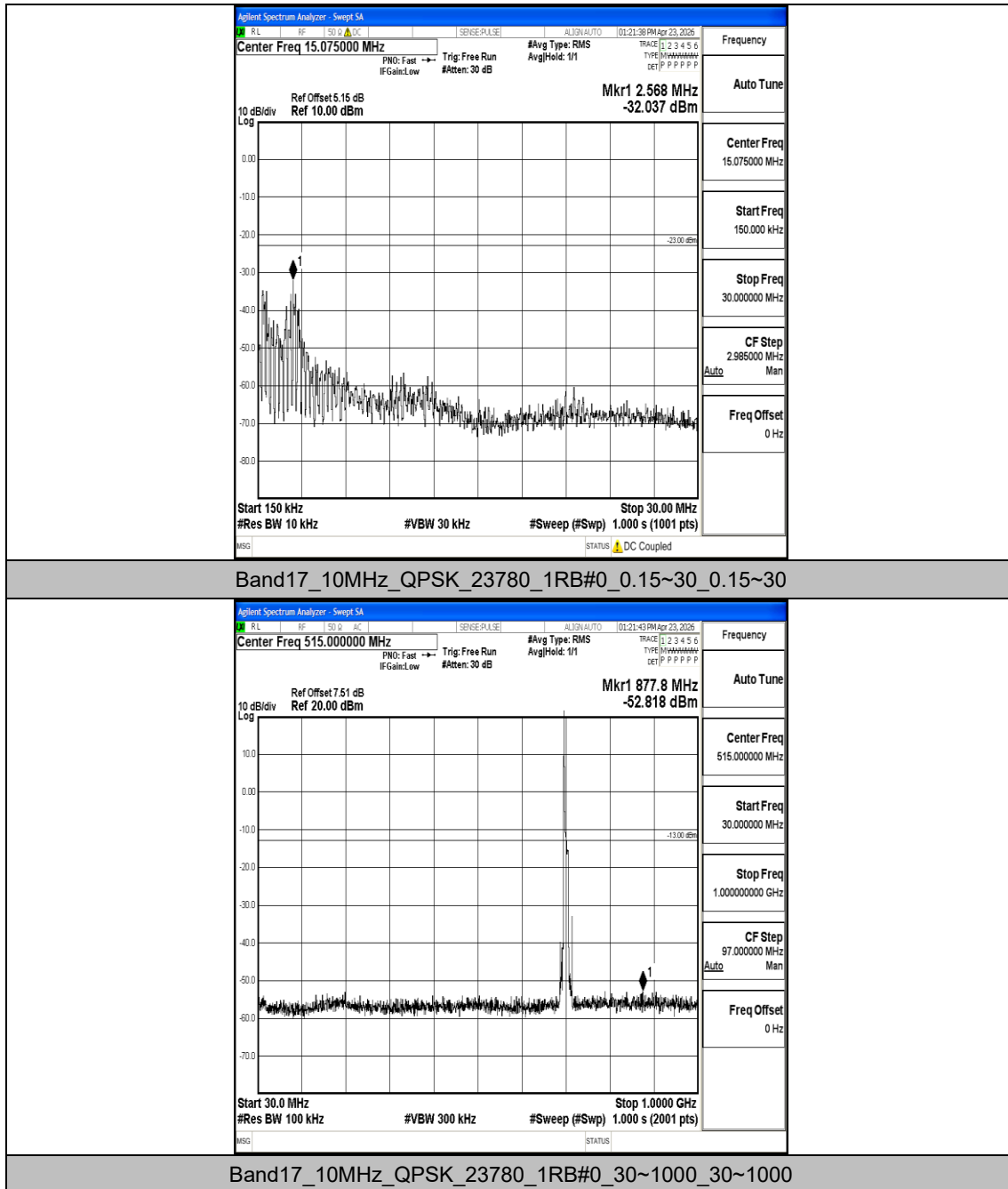


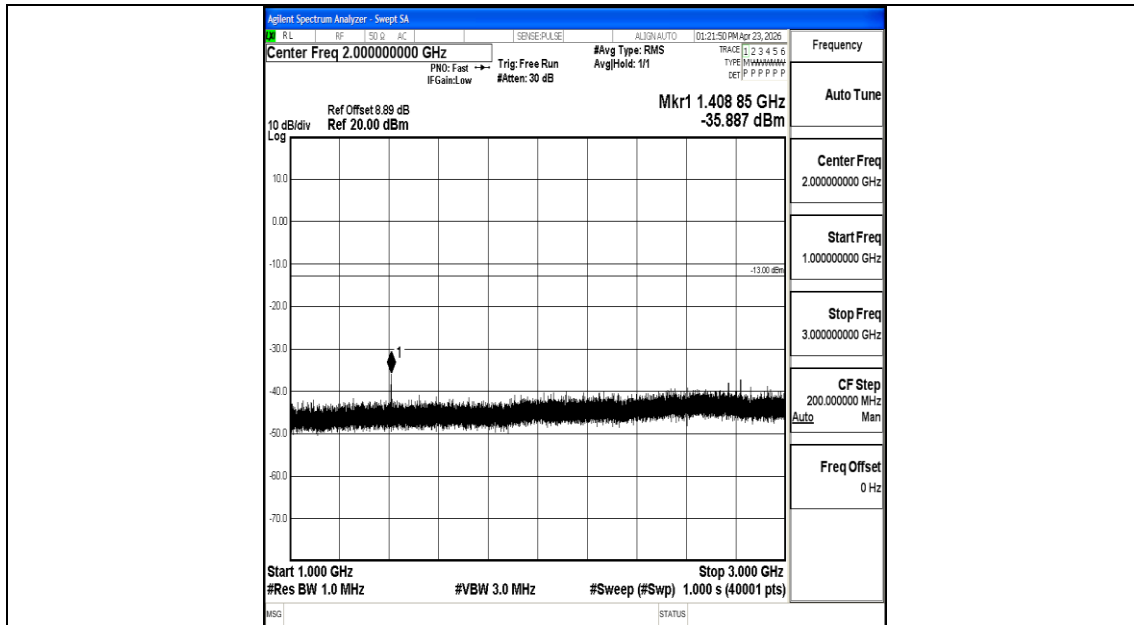


Band17_5MHz_16QAM_23825_1RB#0_3000~10000_3000~10000

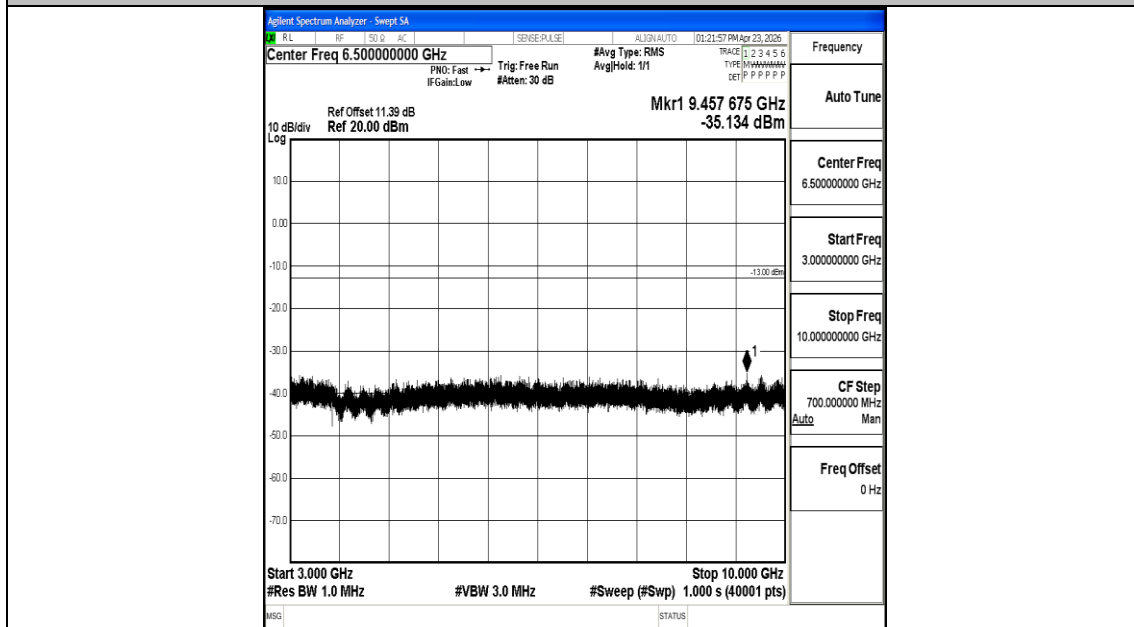


Band17_10MHz_QPSK_23780_1RB#0_0.009~0.15_0.009~0.15

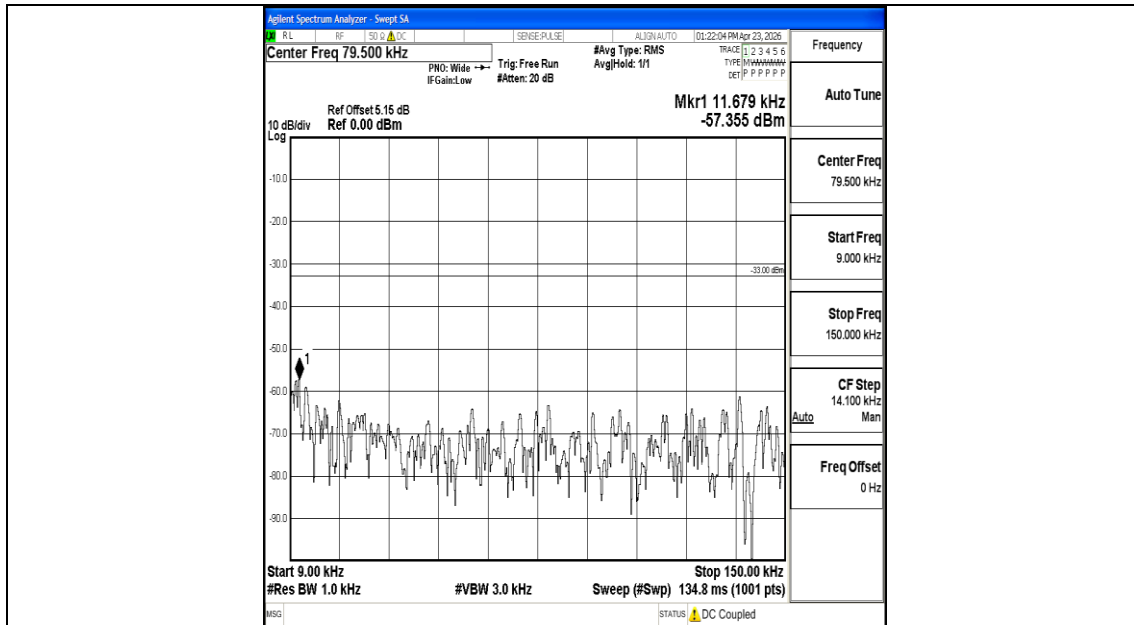




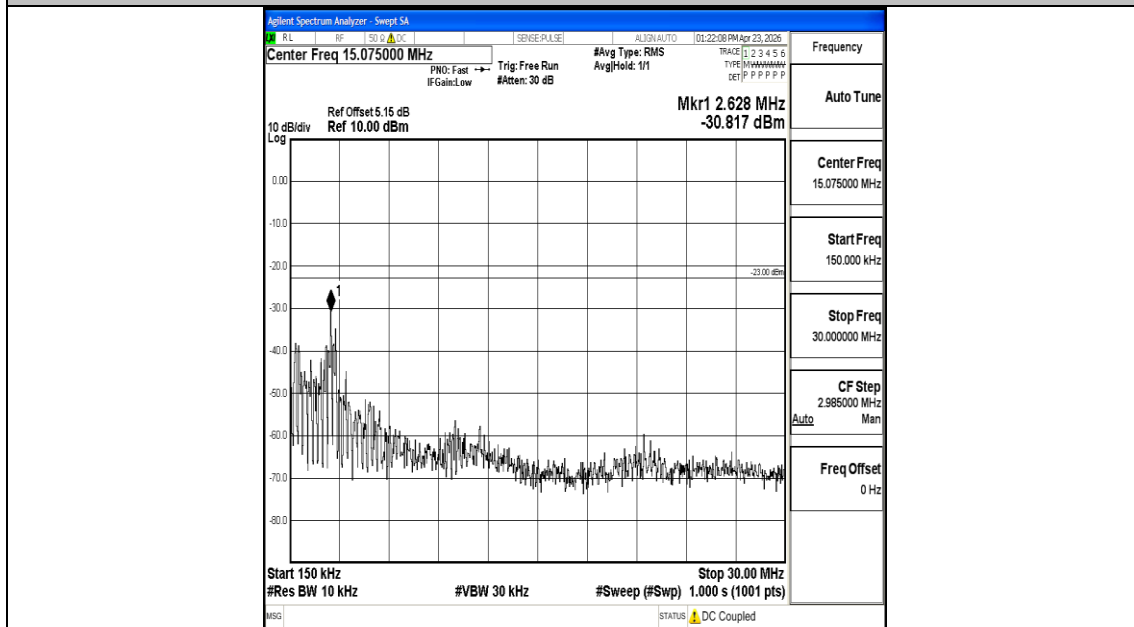
Band17_10MHz_QPSK_23780_1RB#0_1000~3000_1000~3000



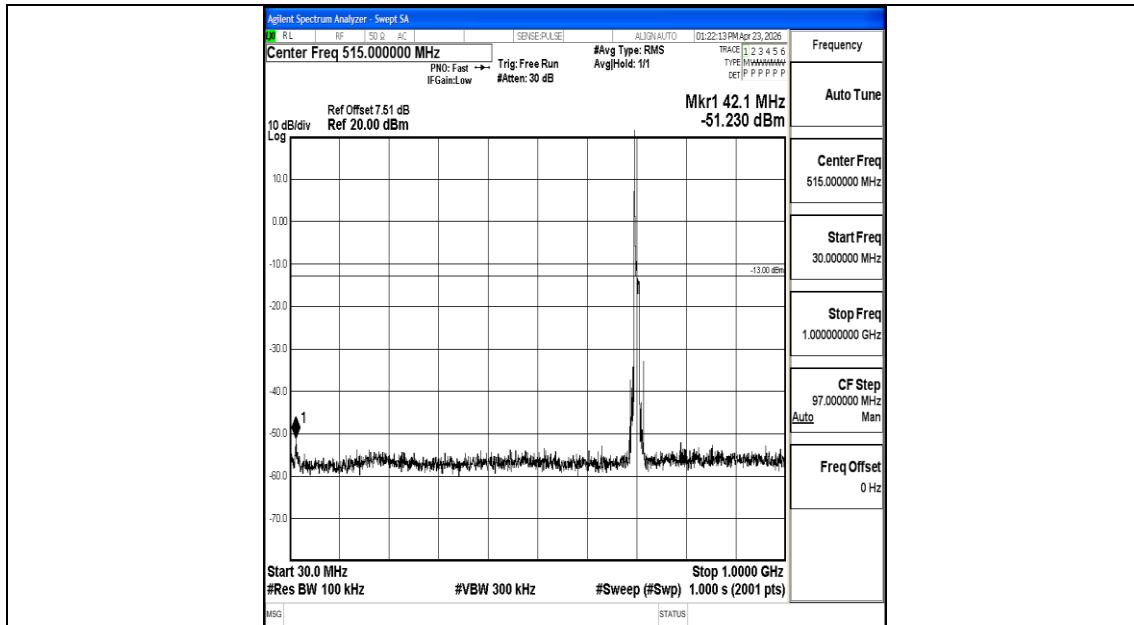
Band17_10MHz_QPSK_23780_1RB#0_3000~10000_3000~10000



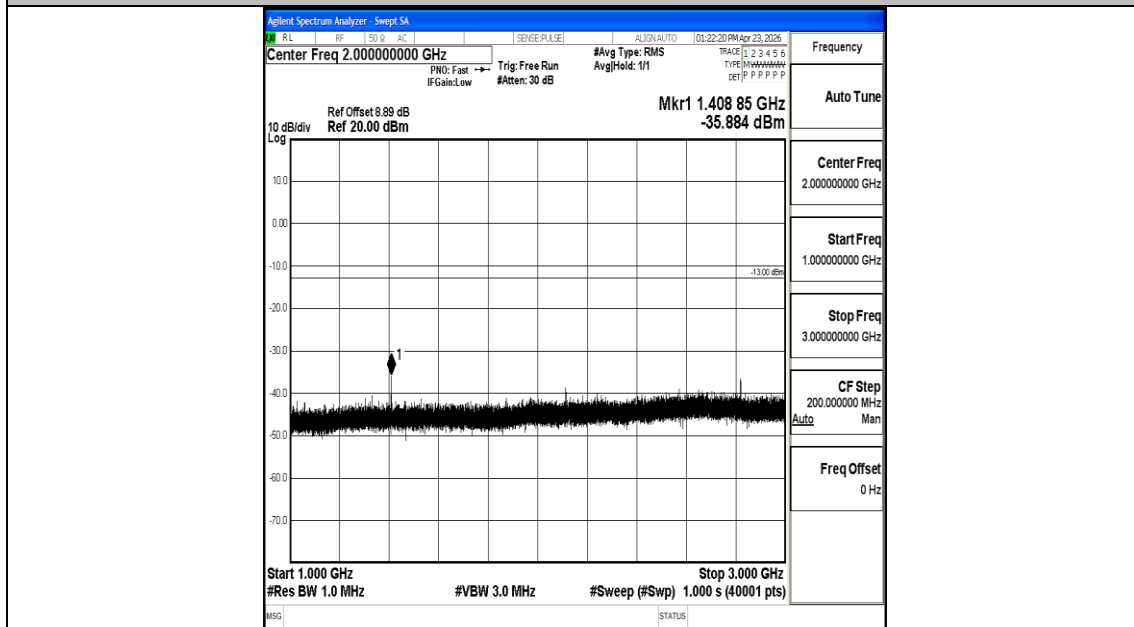
Band17_10MHz_16QAM_23780_1RB#0_0.009~0.15_0.009~0.15



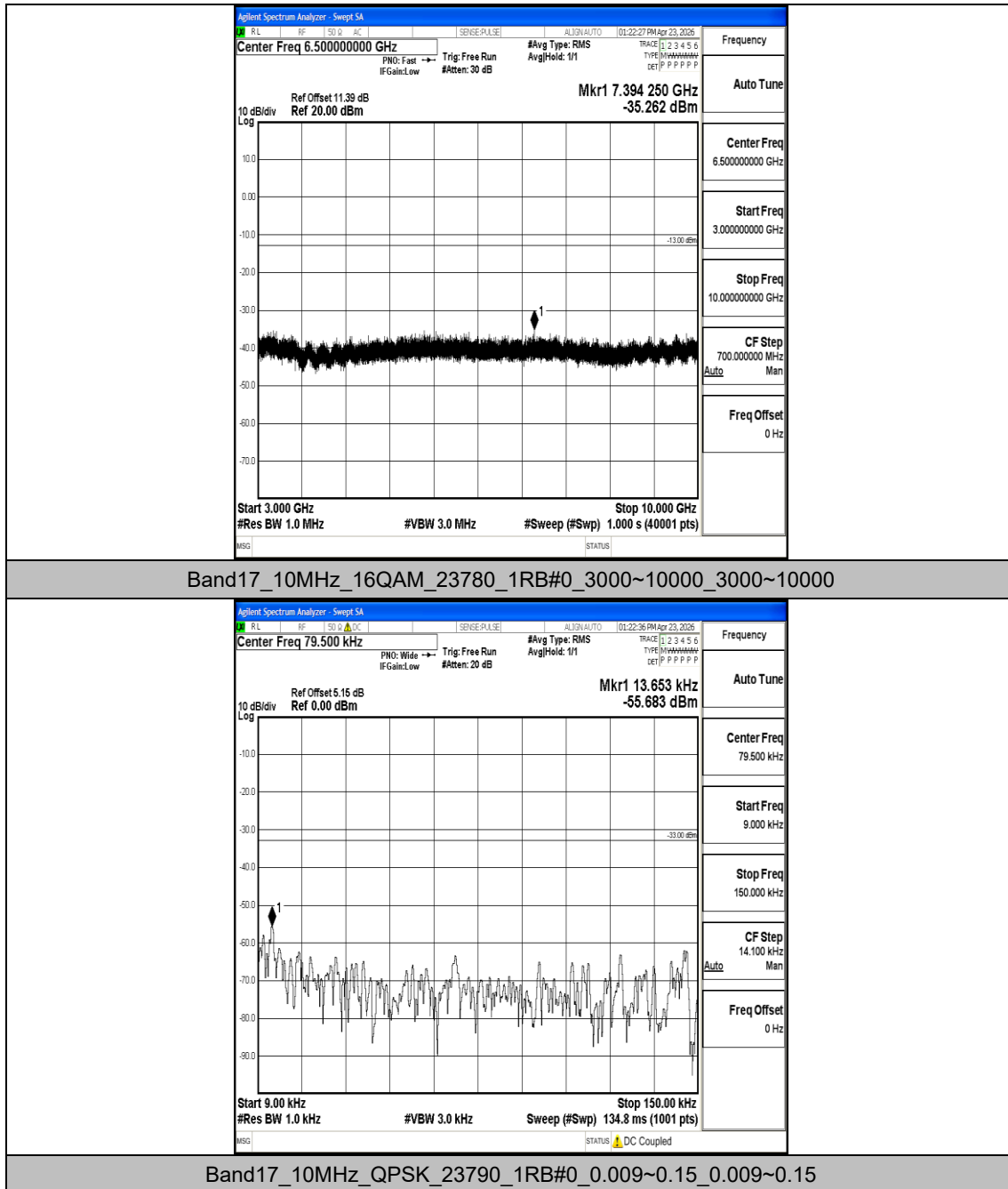
Band17_10MHz_16QAM_23780_1RB#0_0.15~30_0.15~30

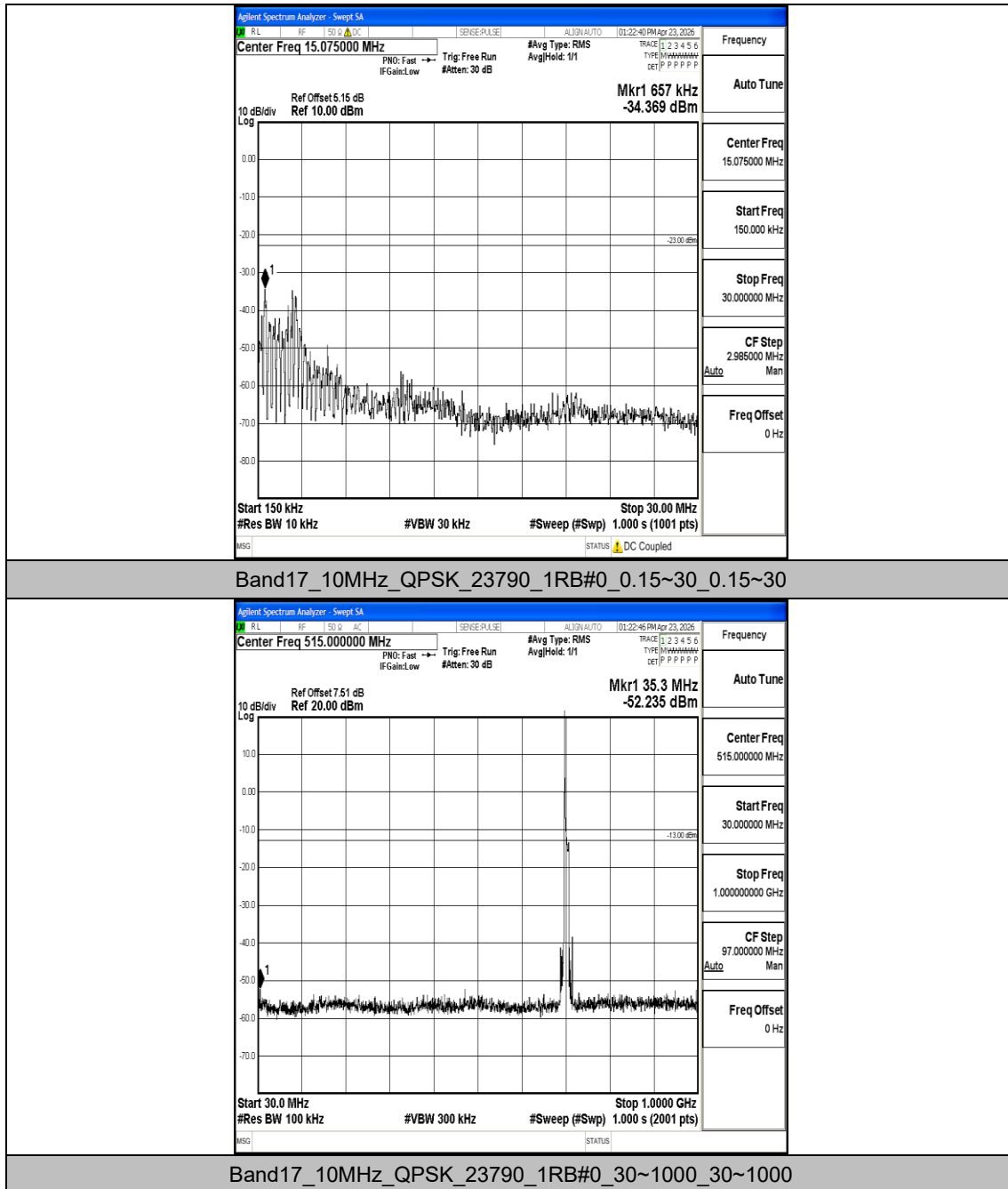


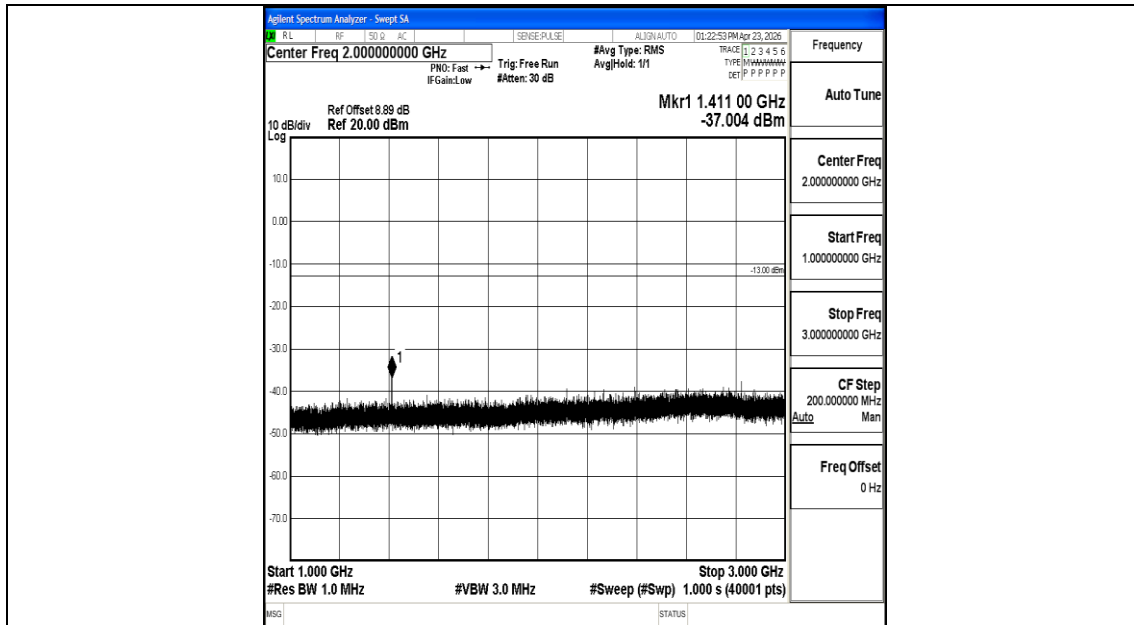
Band17_10MHz_16QAM_23780_1RB#0_30~1000_30~1000



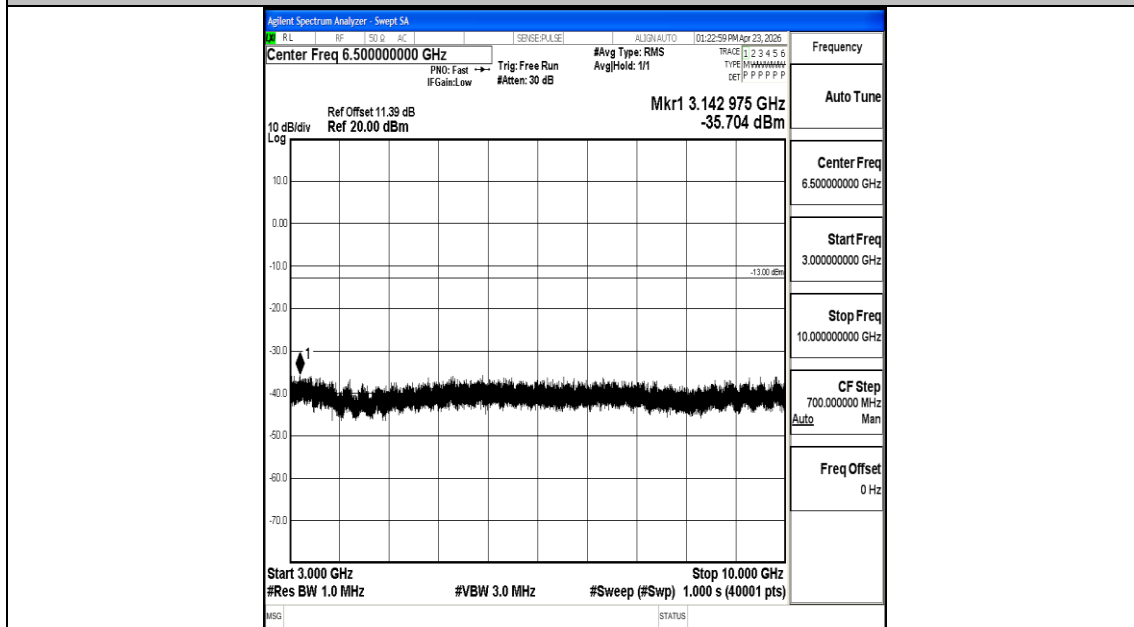
Band17_10MHz_16QAM_23780_1RB#0_1000~3000_1000~3000



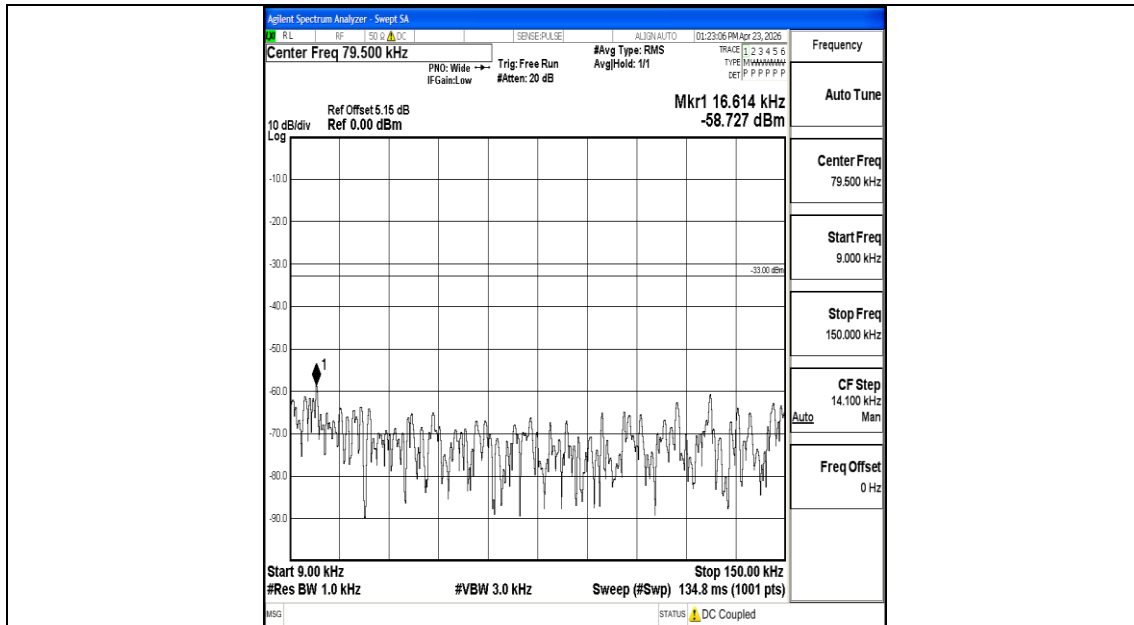




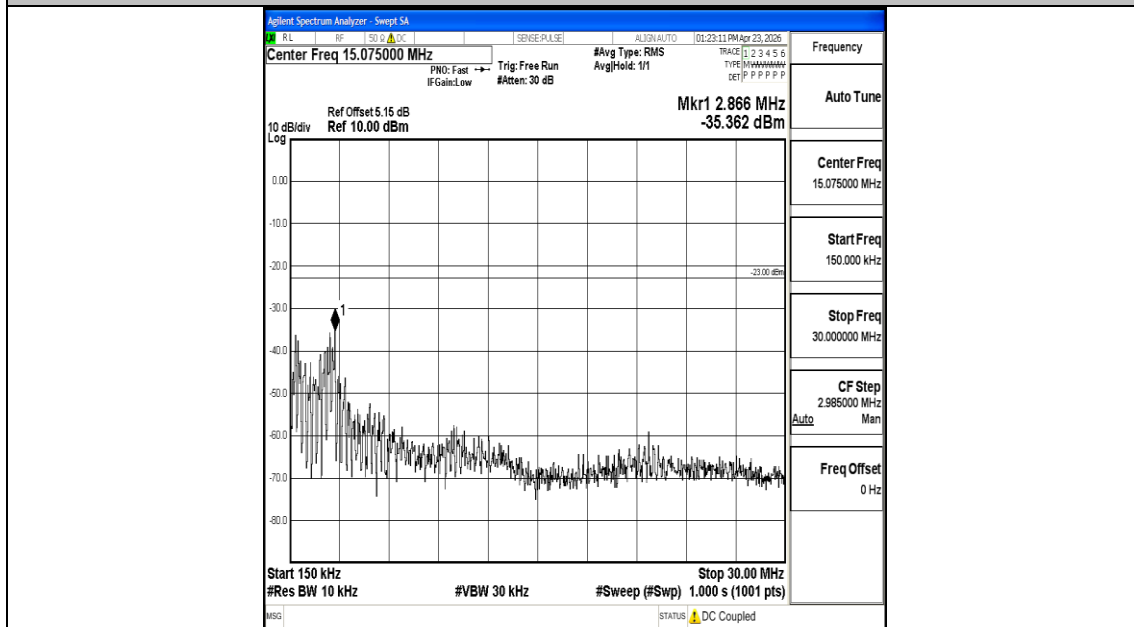
Band17_10MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



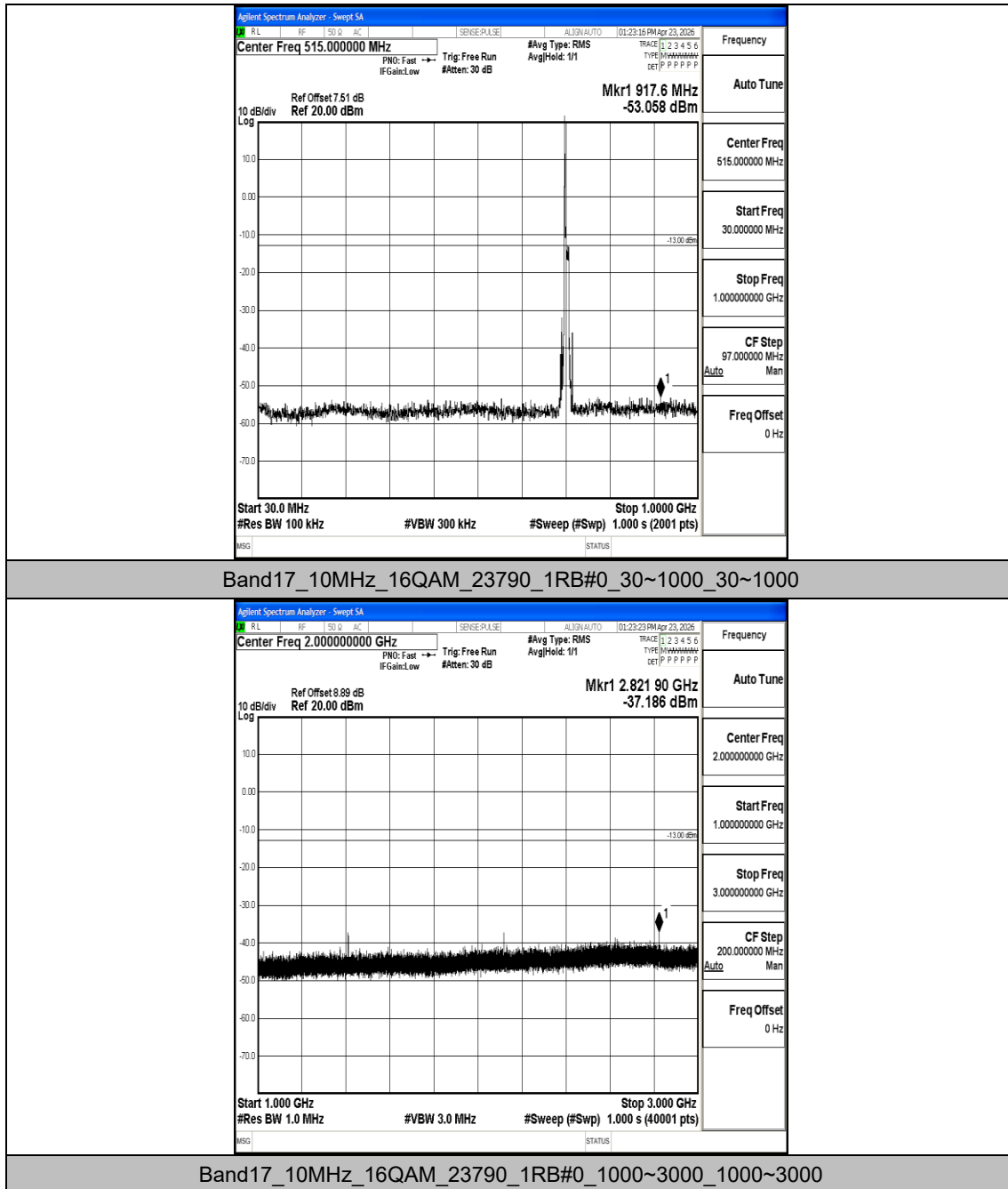
Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000

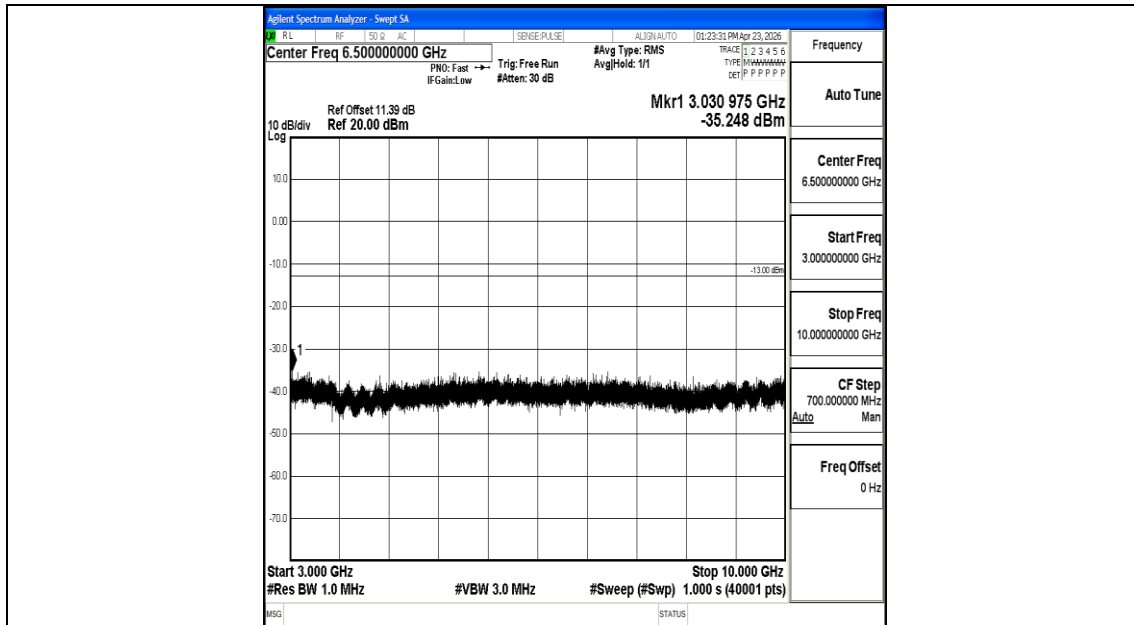


Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15

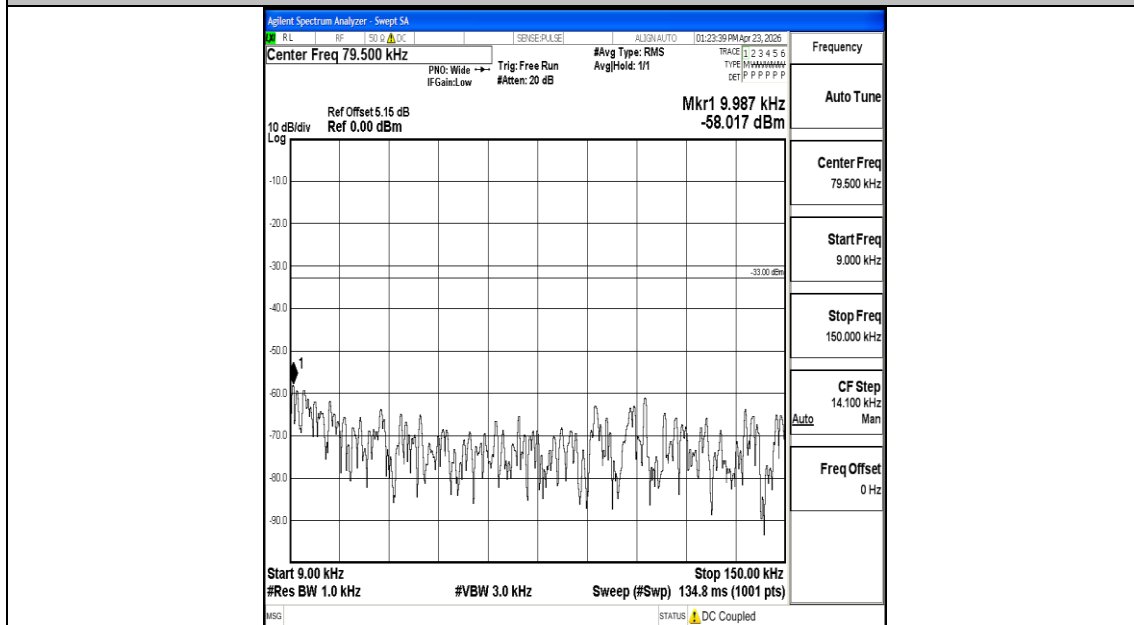


Band17_10MHz_16QAM_23790_1RB#0_0.15~30_0.15~30

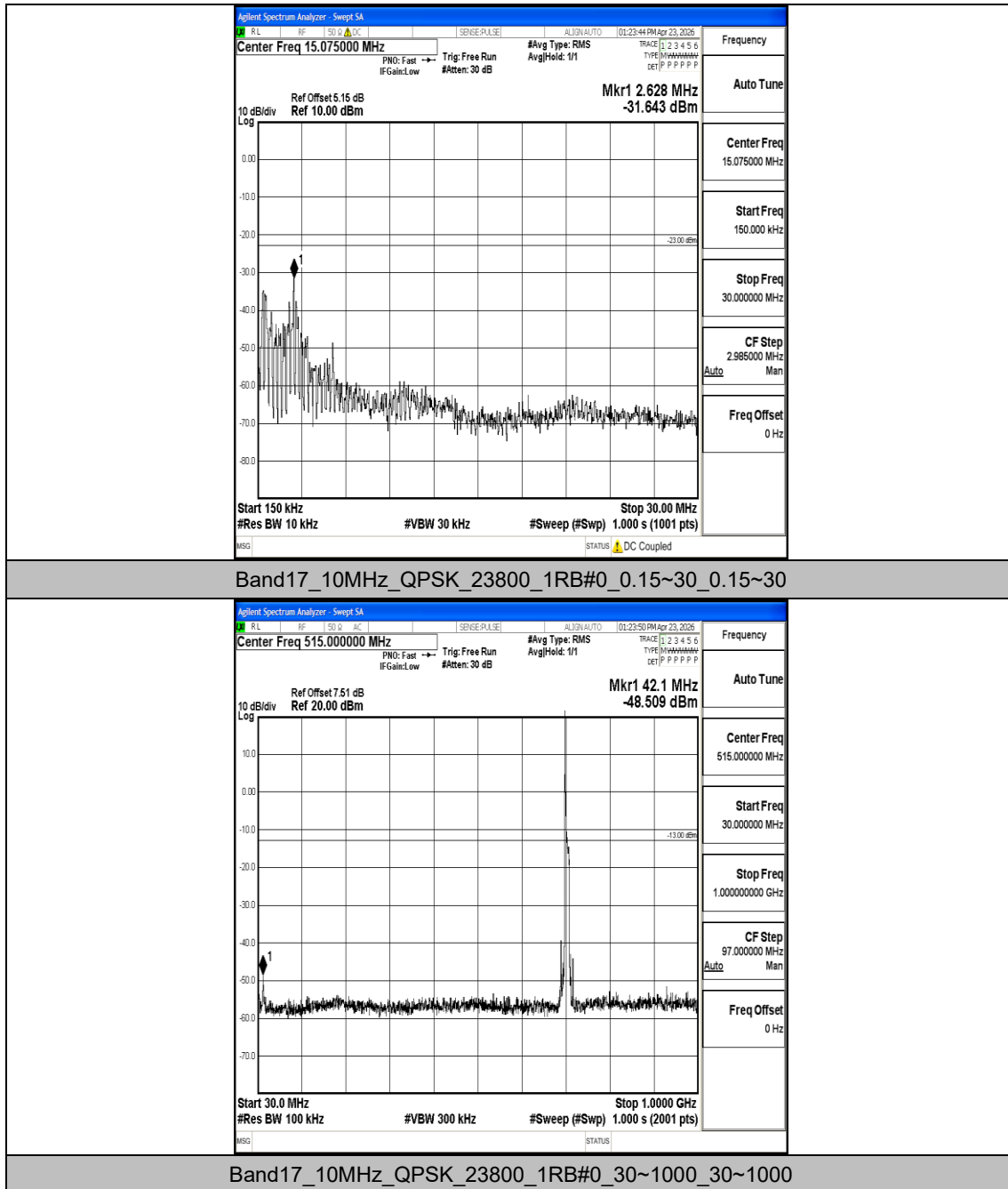


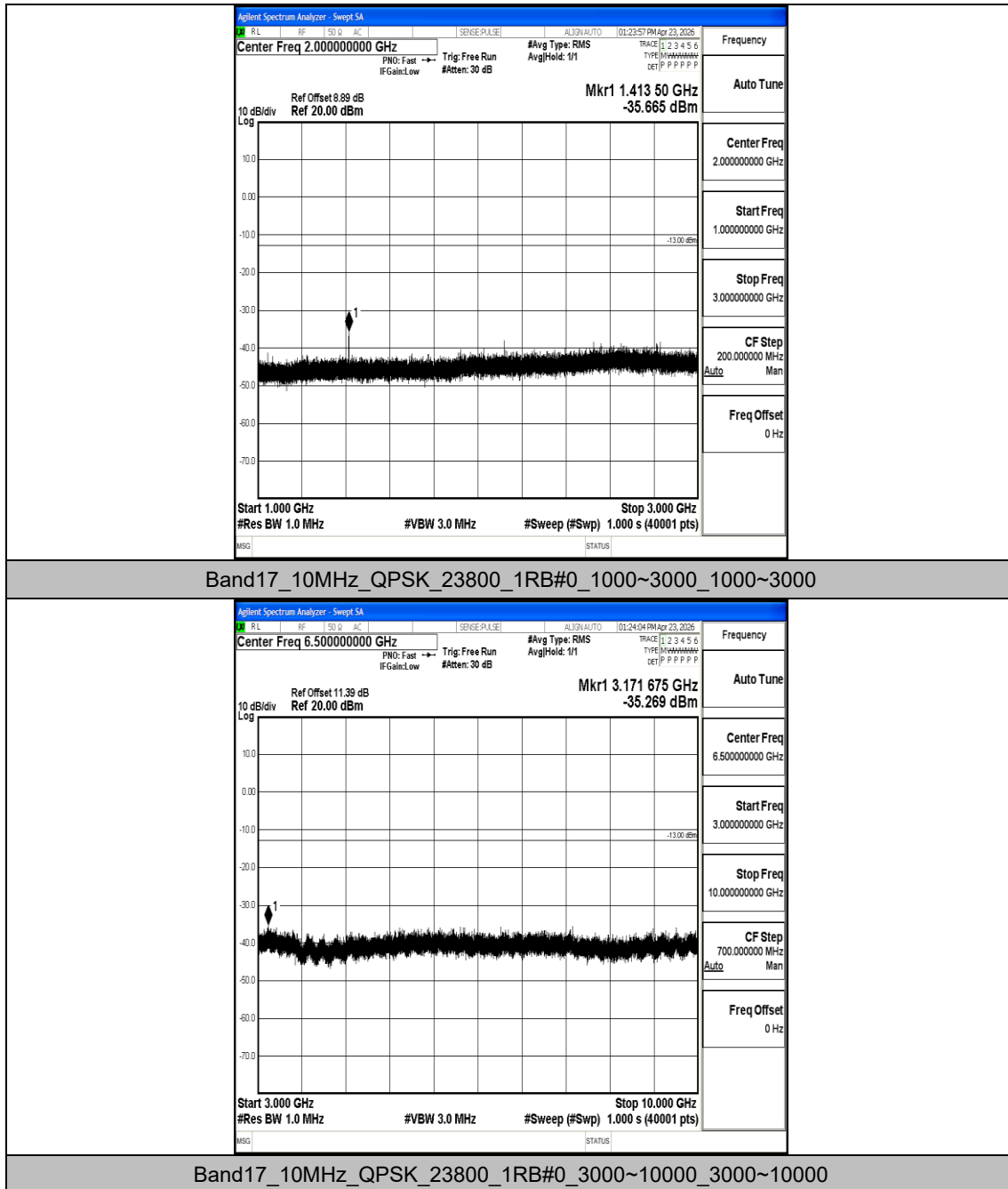


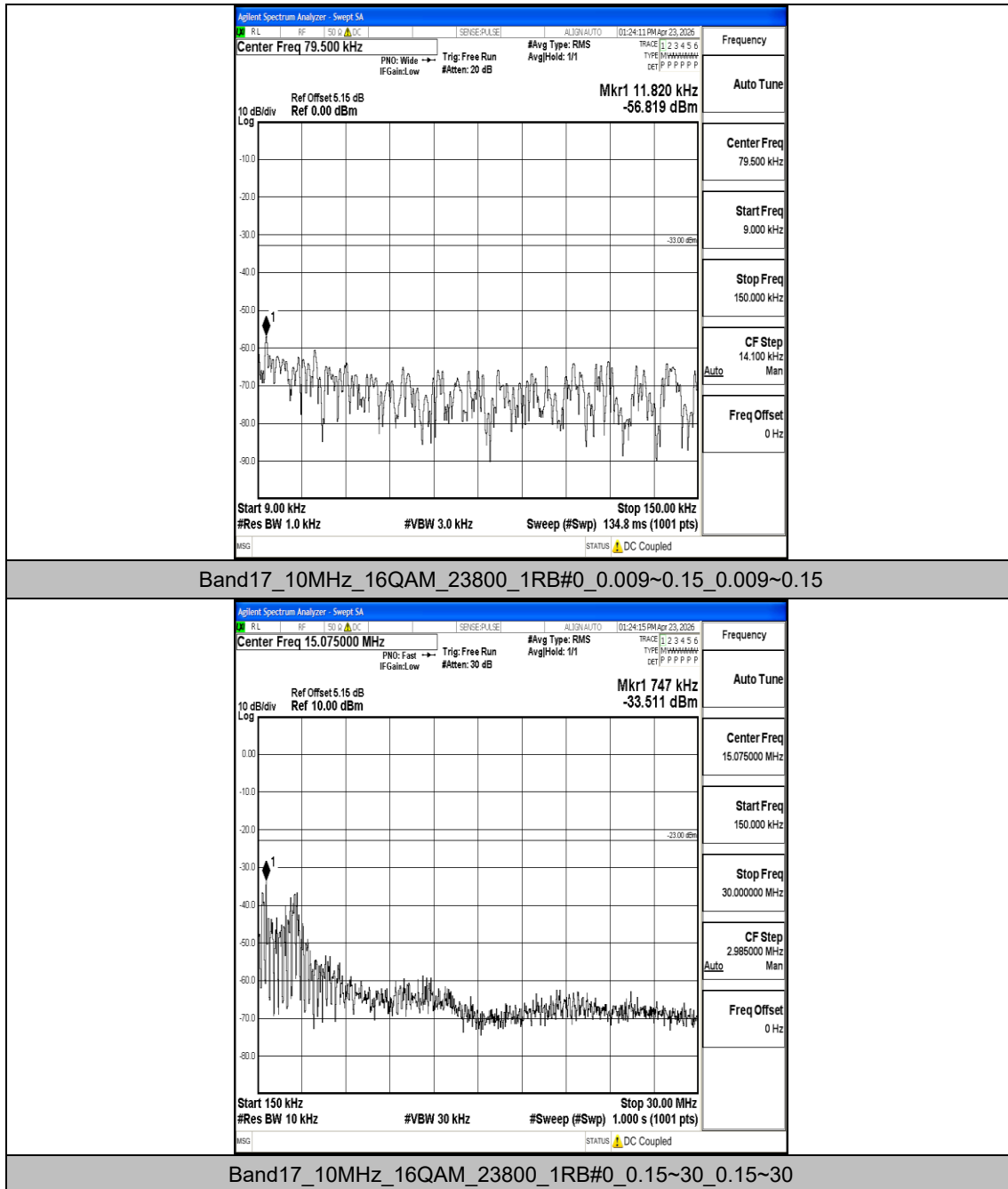
Band17_10MHz_16QAM_23790_1RB#0_3000~10000_3000~10000

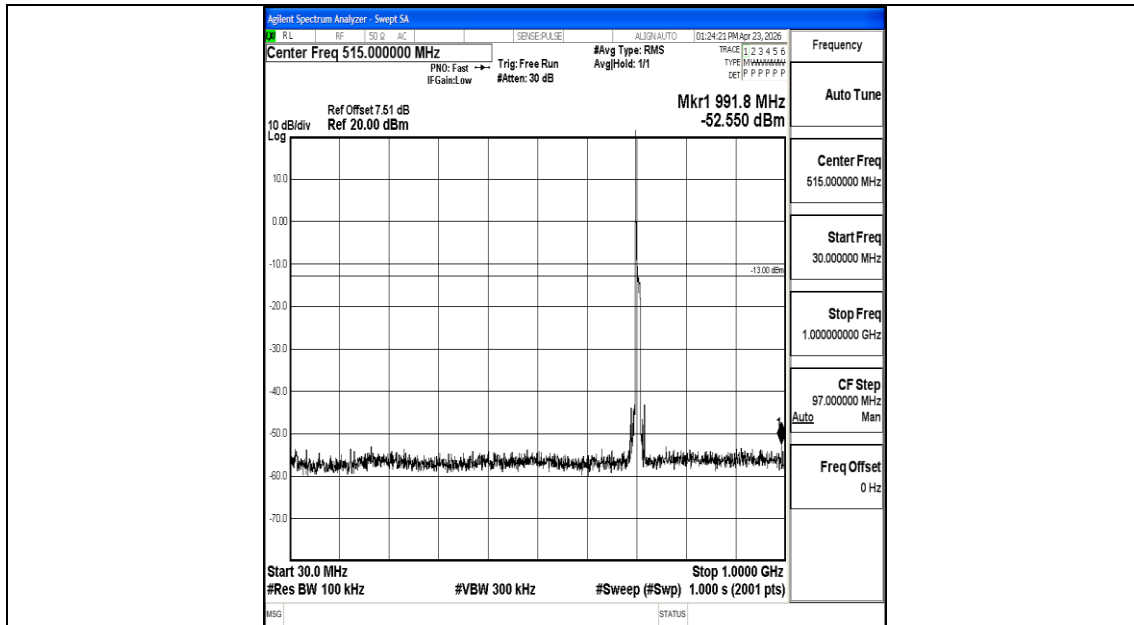


Band17_10MHz_QPSK_23800_1RB#0_0.009~0.15_0.009~0.15

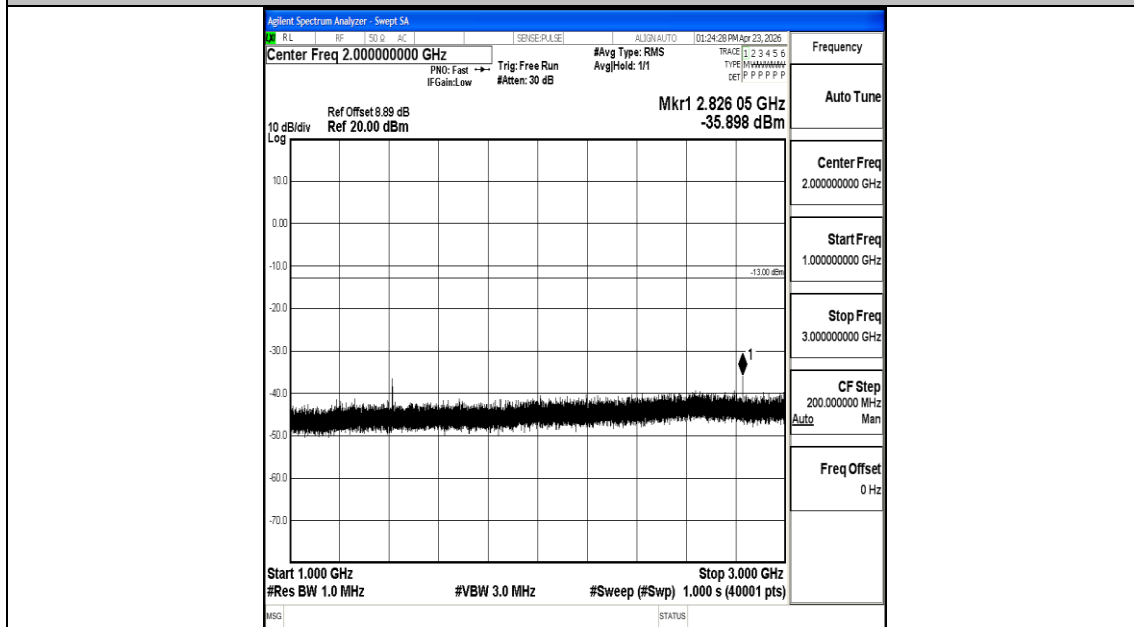








Band17_10MHz_16QAM_23800_1RB#0_30~1000_30~1000



Band17_10MHz_16QAM_23800_1RB#0_1000~3000_1000~3000