



FCC Appendix RF Test Data for LTE Band 38

Product Name: Tablet

Test Model: PAD_A14

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 Peak-to-Average Ratio(CCDF)

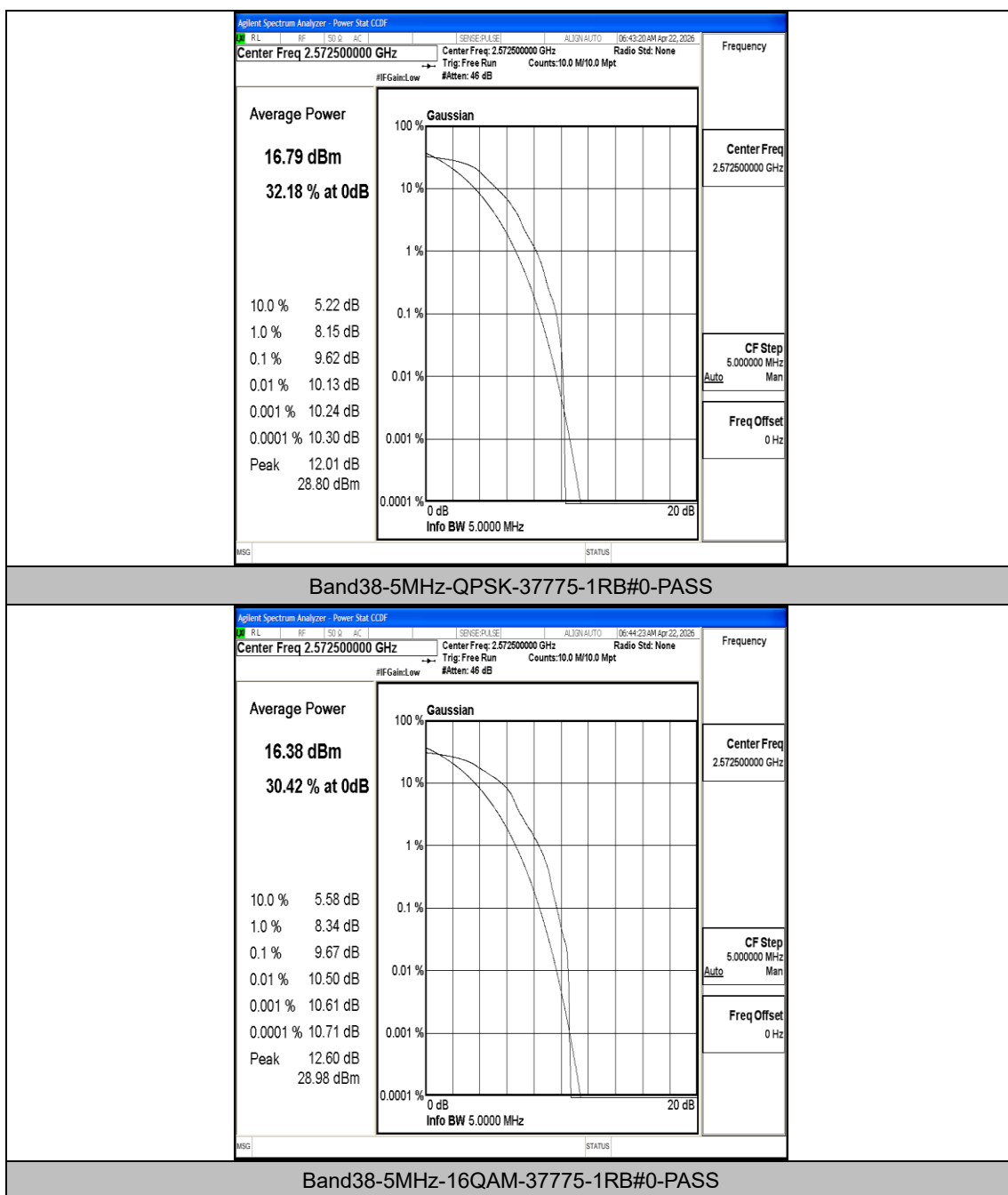
Test Result

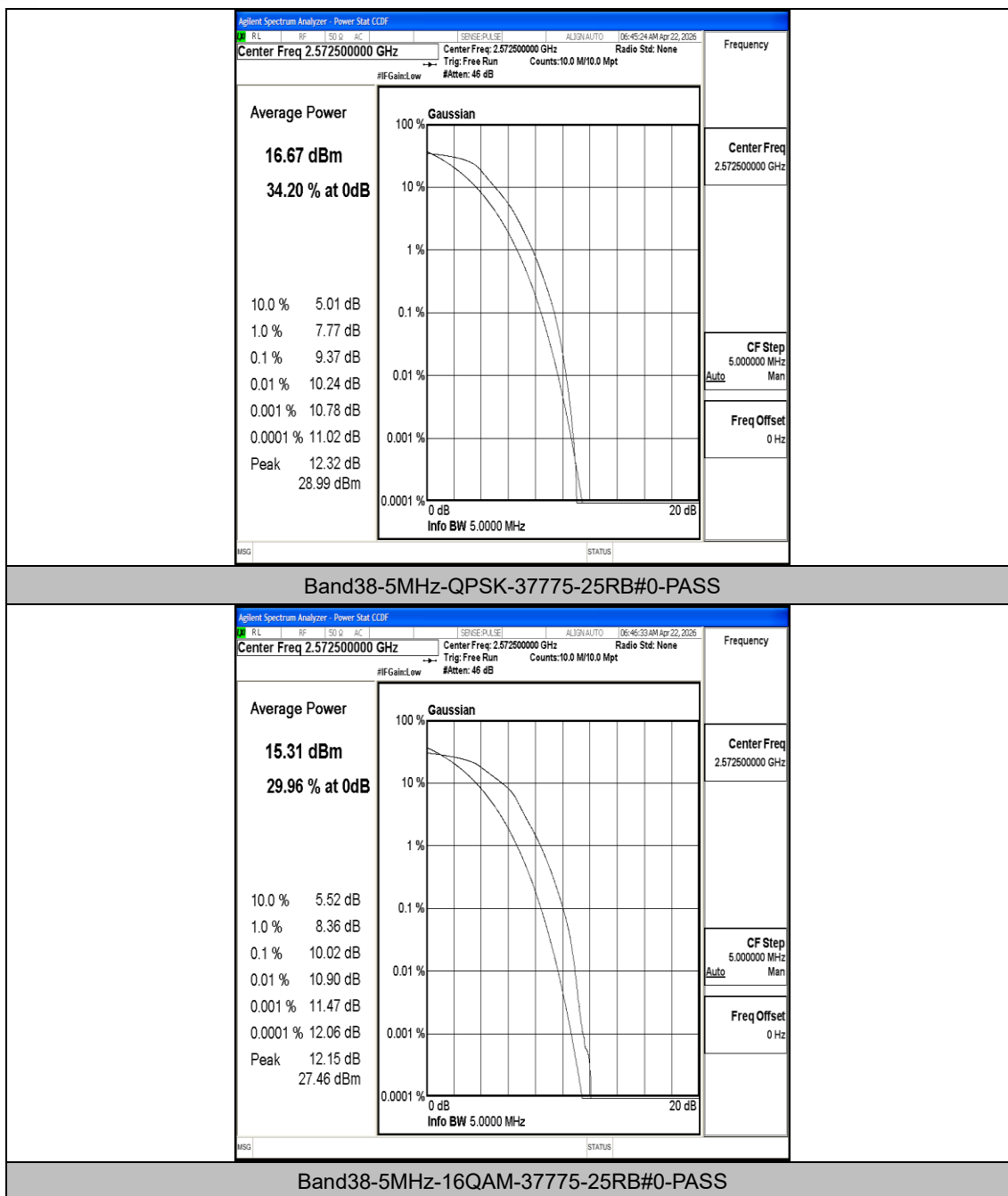
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	9.62	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.67	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	9.37	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	10.02	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	9.62	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	10.02	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.39	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.98	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	9.30	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.63	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.47	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.88	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	9.61	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.92	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.33	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	10.12	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	9.58	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	10.14	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.54	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.10	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	9.53	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	10.08	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.28	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	10.00	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	9.67	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	9.81	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.39	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.00	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	9.61	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	10.16	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.77	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.37	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	9.73	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	10.53	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.77	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	10.57	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.60	13	PASS

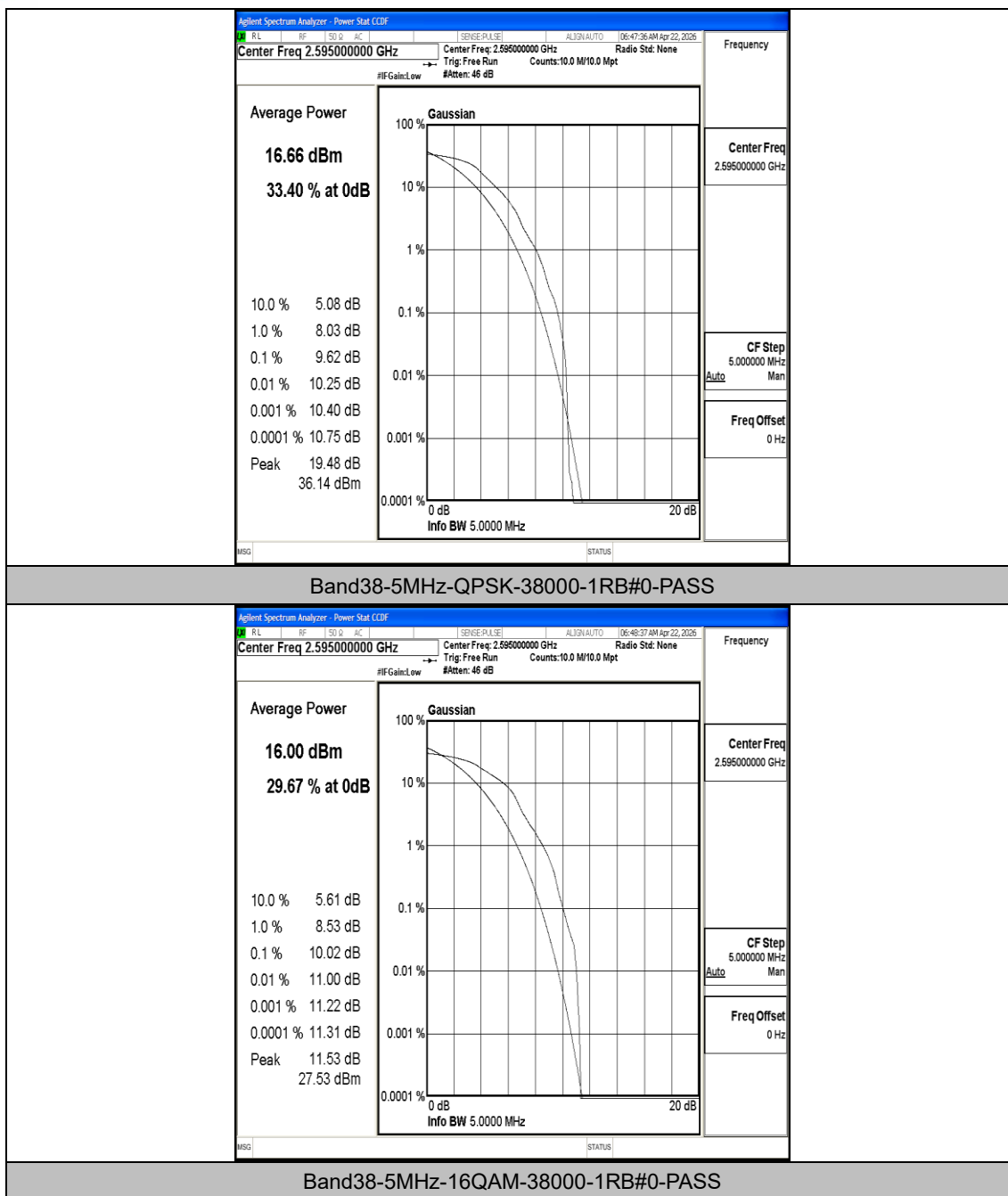


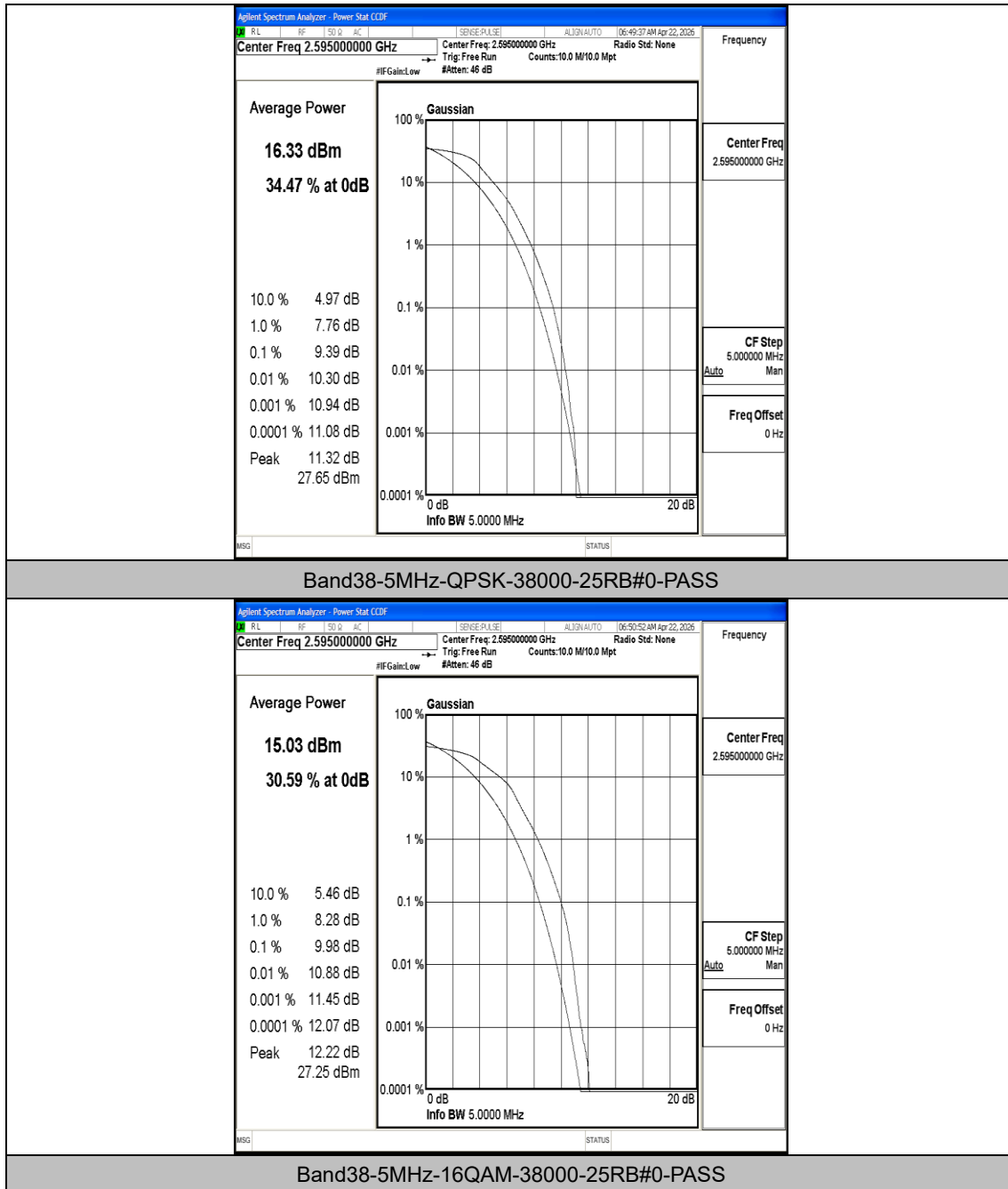
Band38	20MHz	16QAM	37850	1RB#0	9.46	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.32	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	10.09	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	8.93	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.88	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.75	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	10.03	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	9.70	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	10.37	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.31	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.86	13	PASS

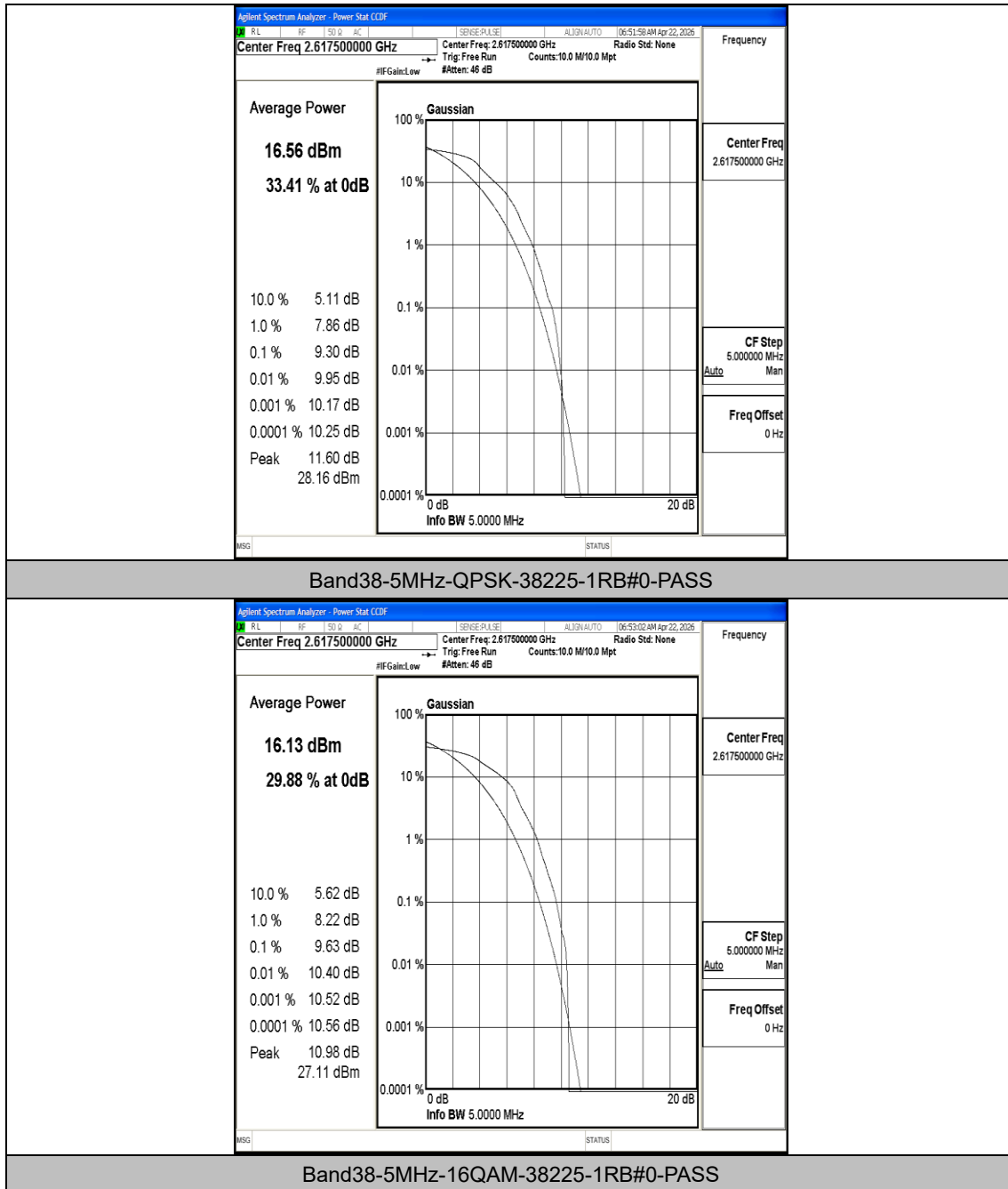
Test Graphs

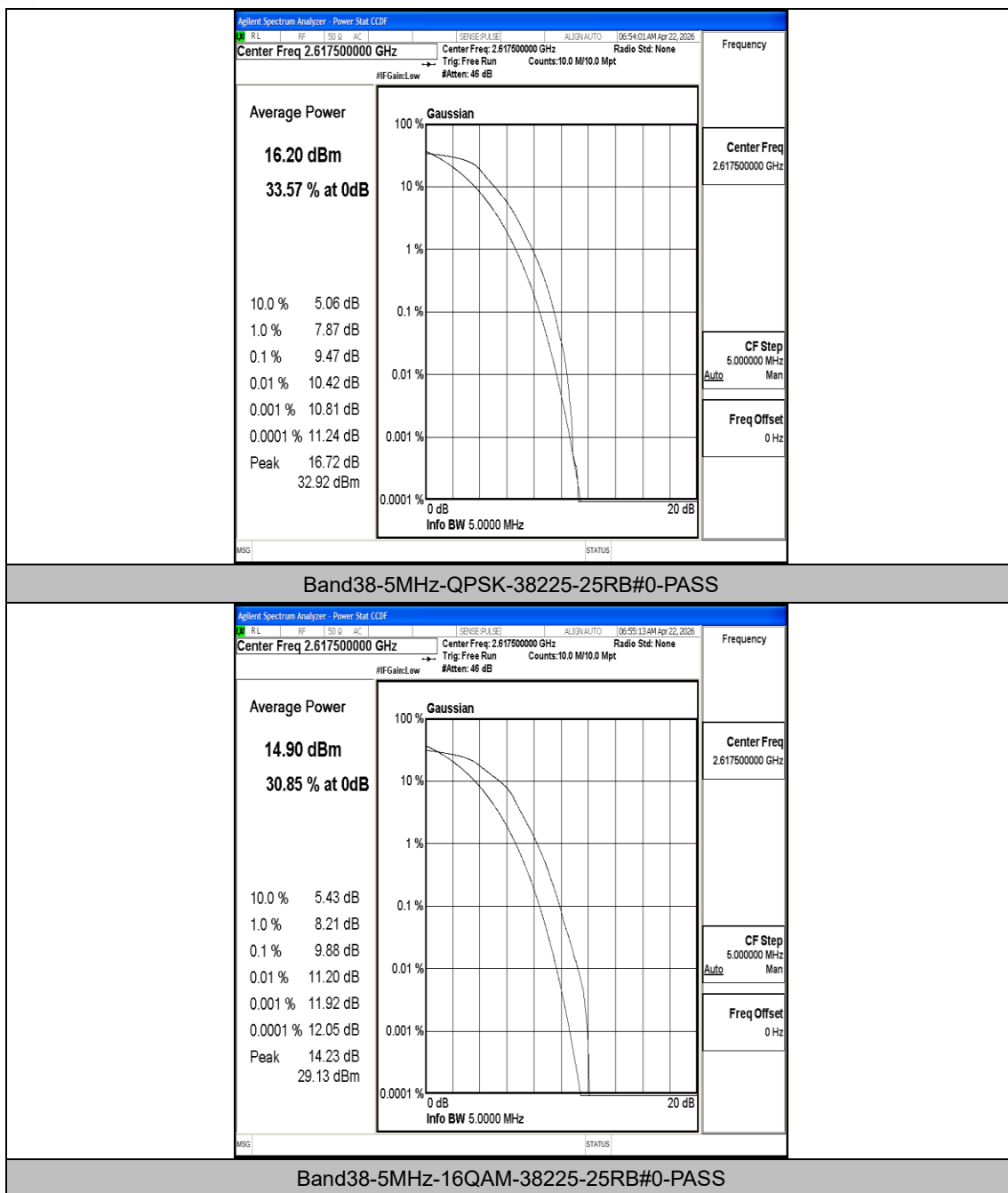


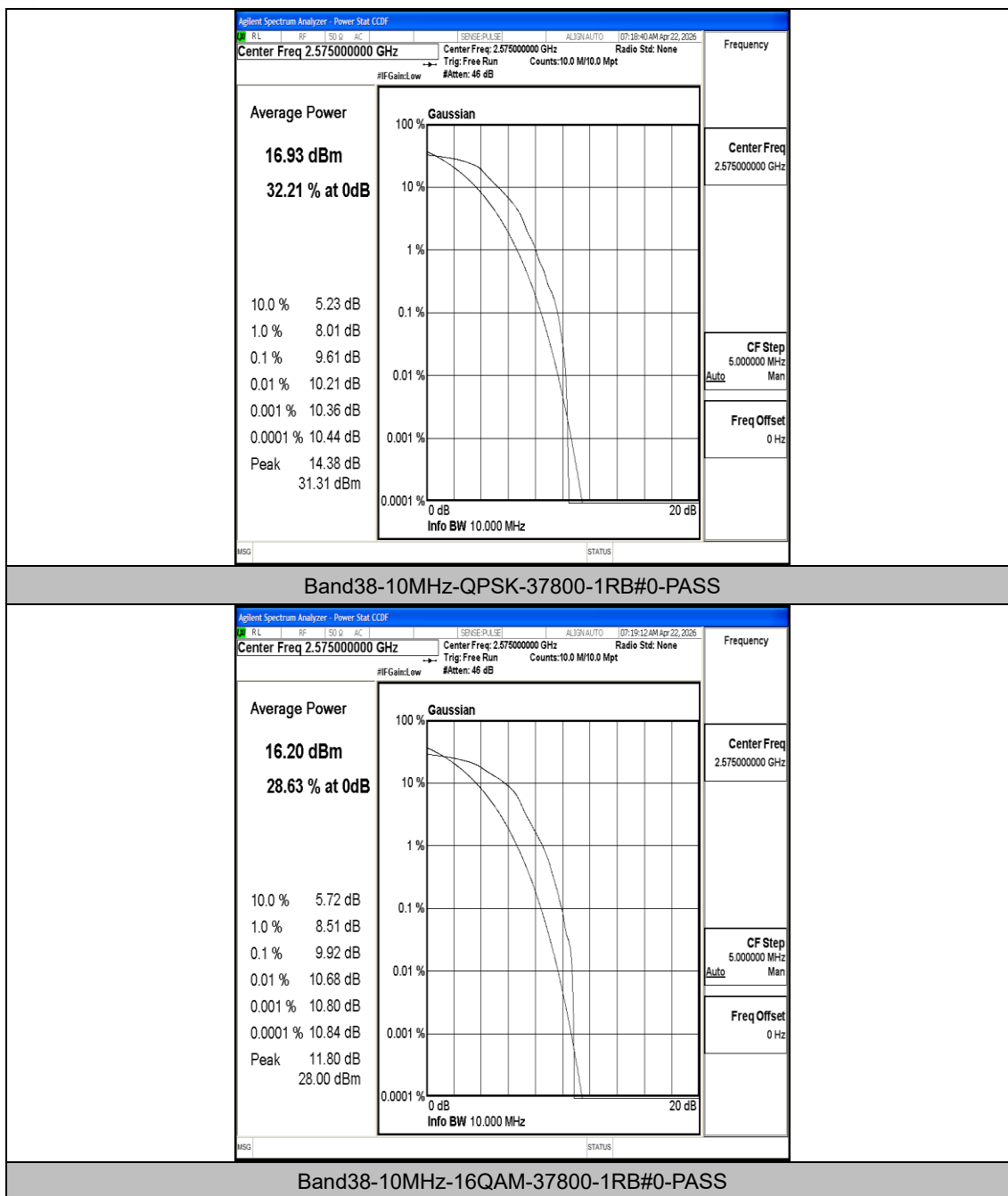


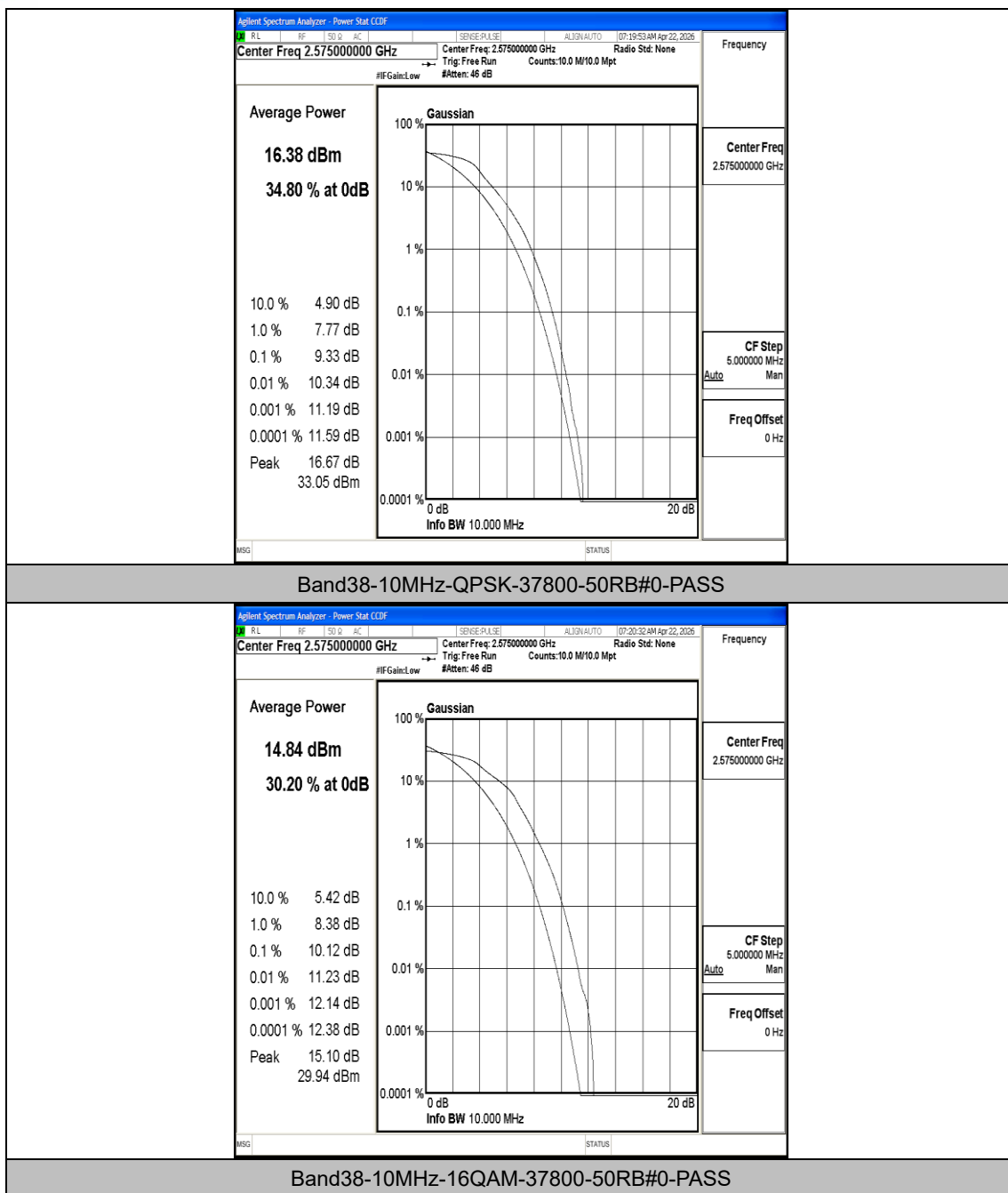


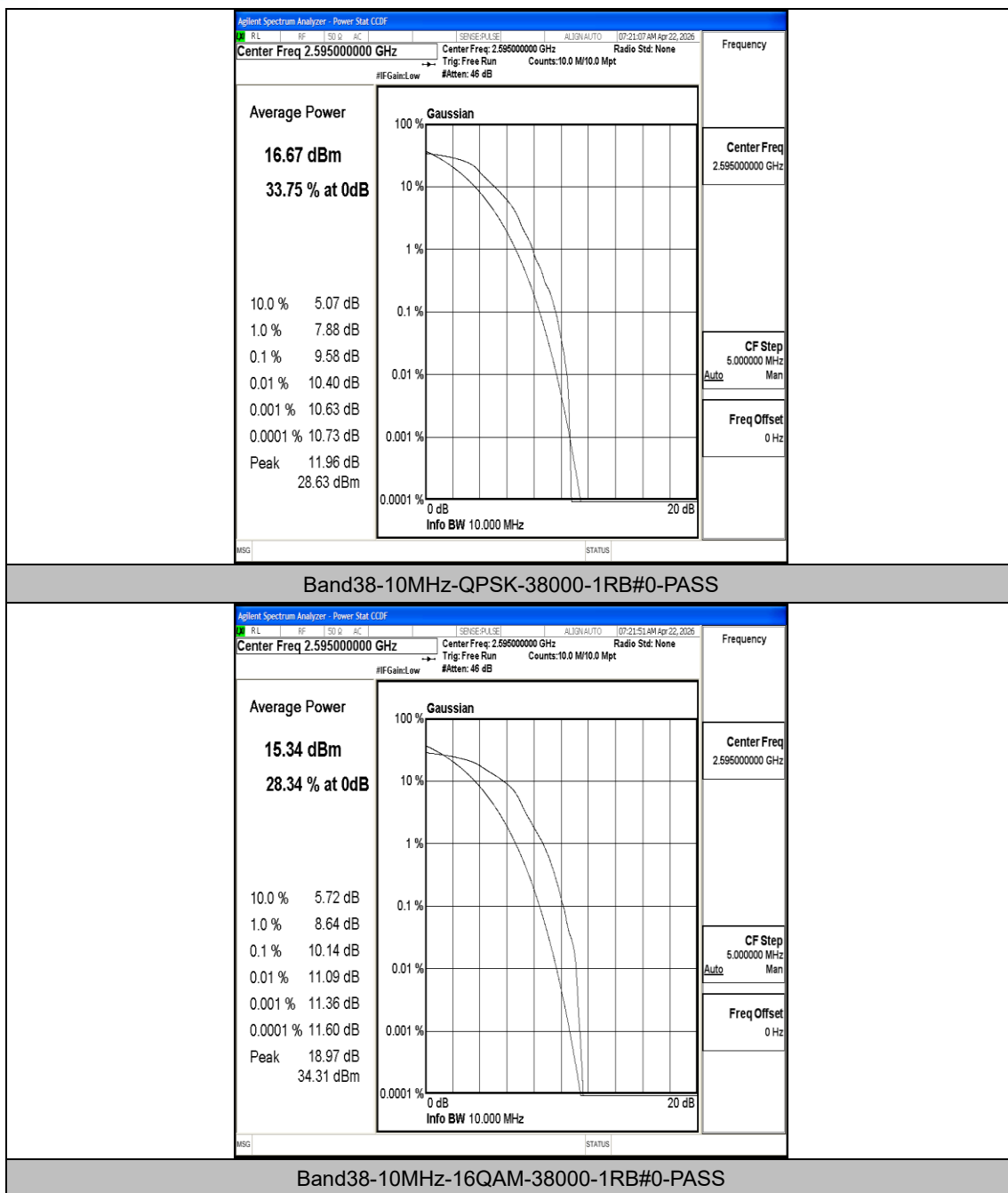


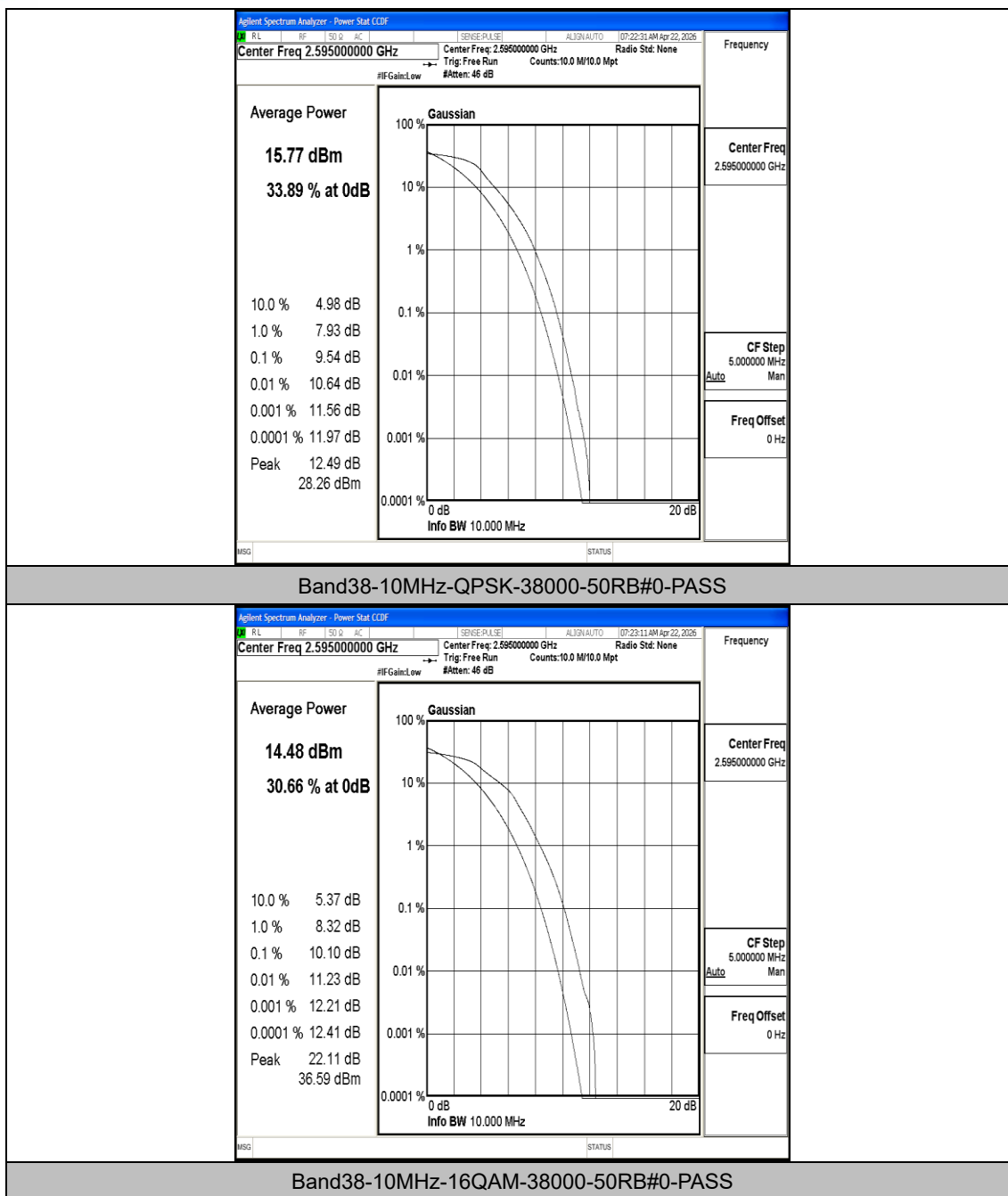


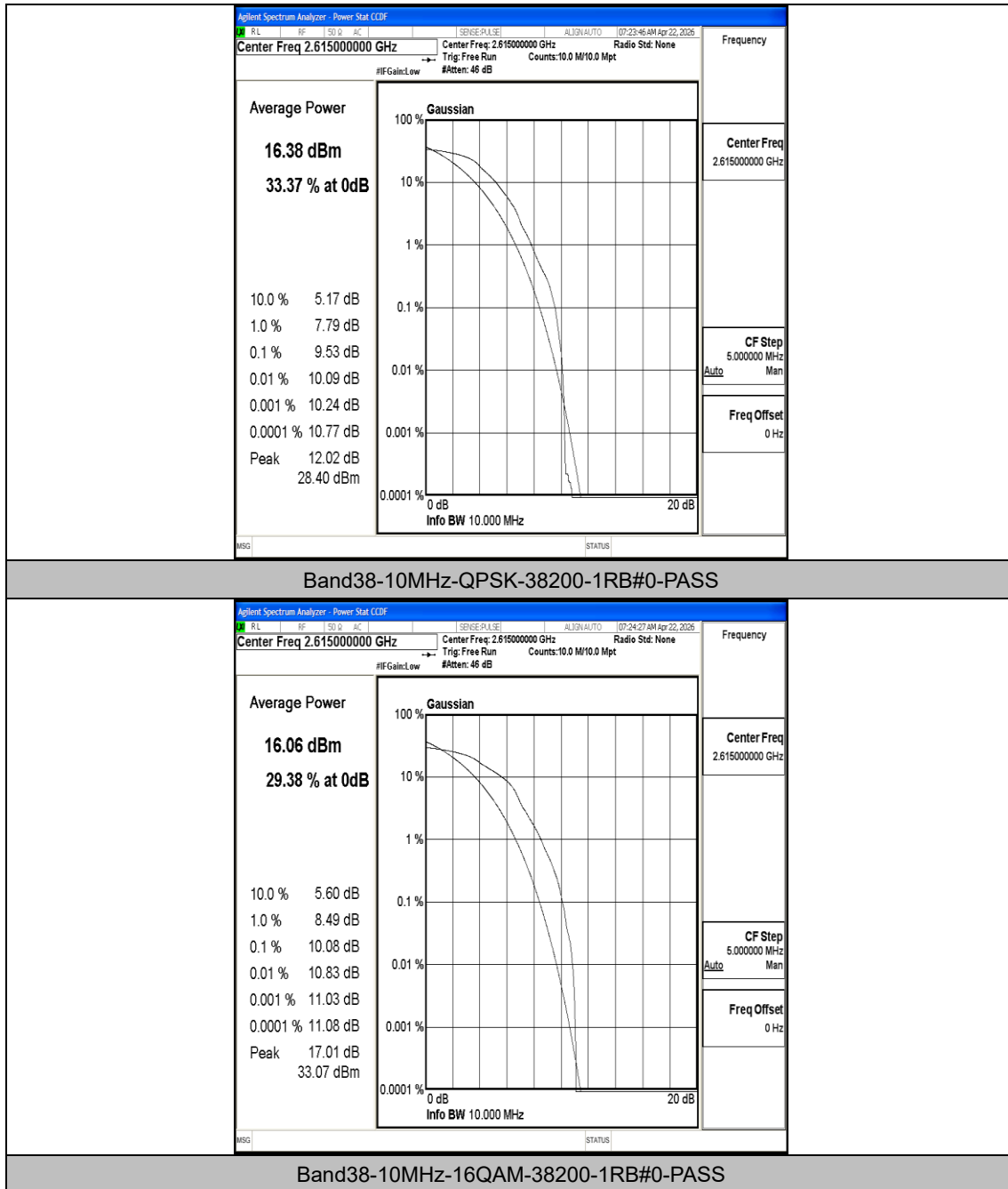


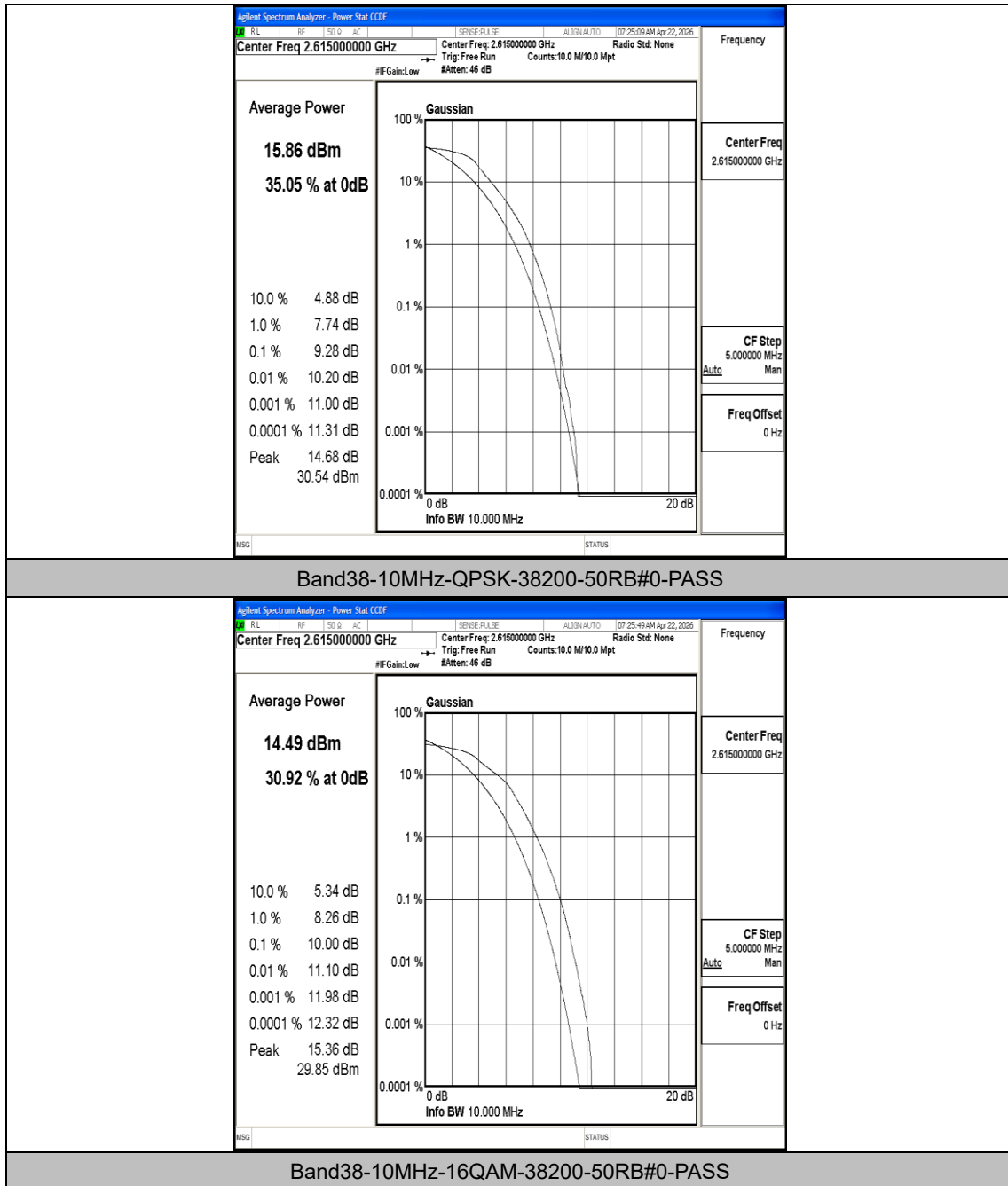


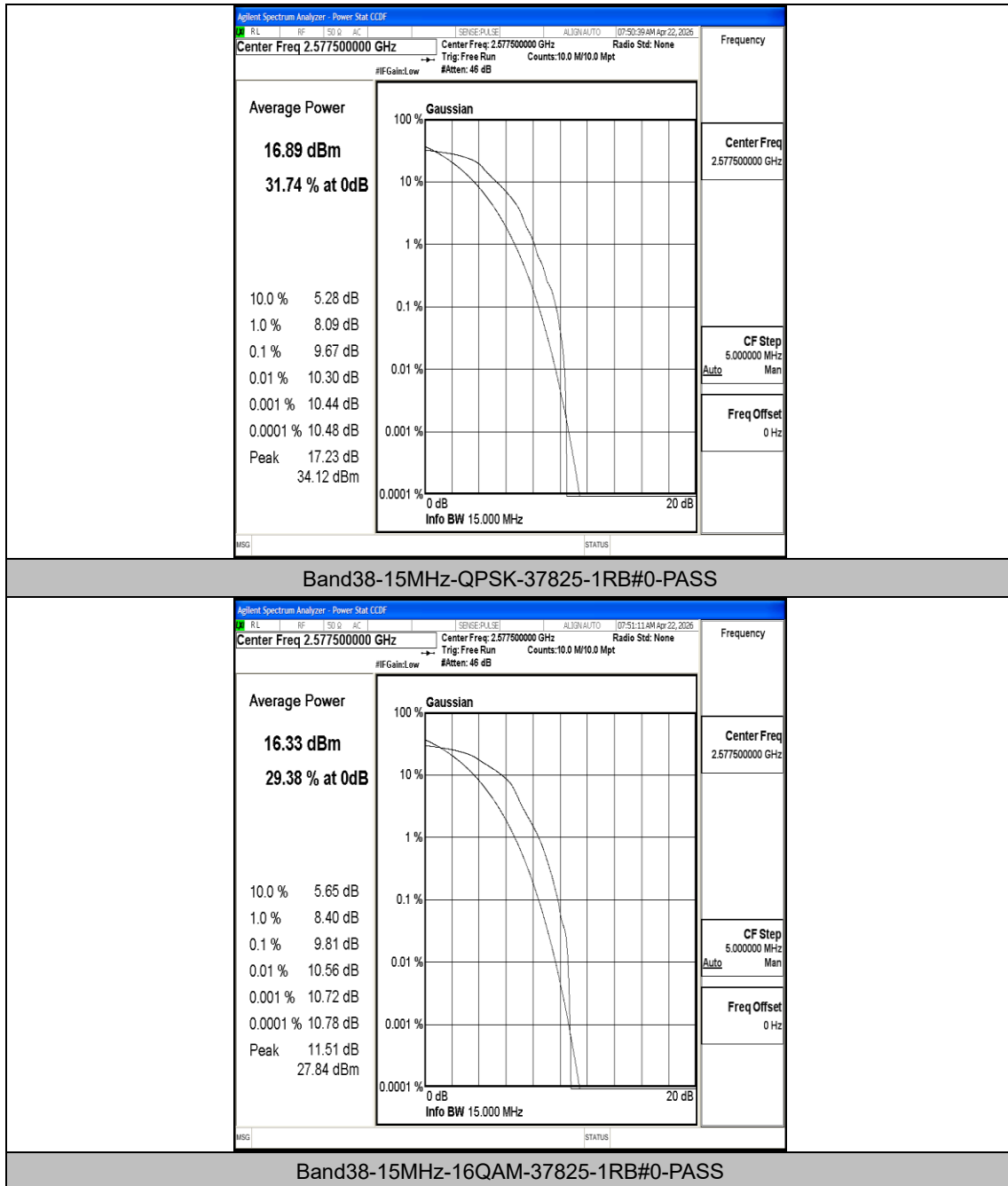


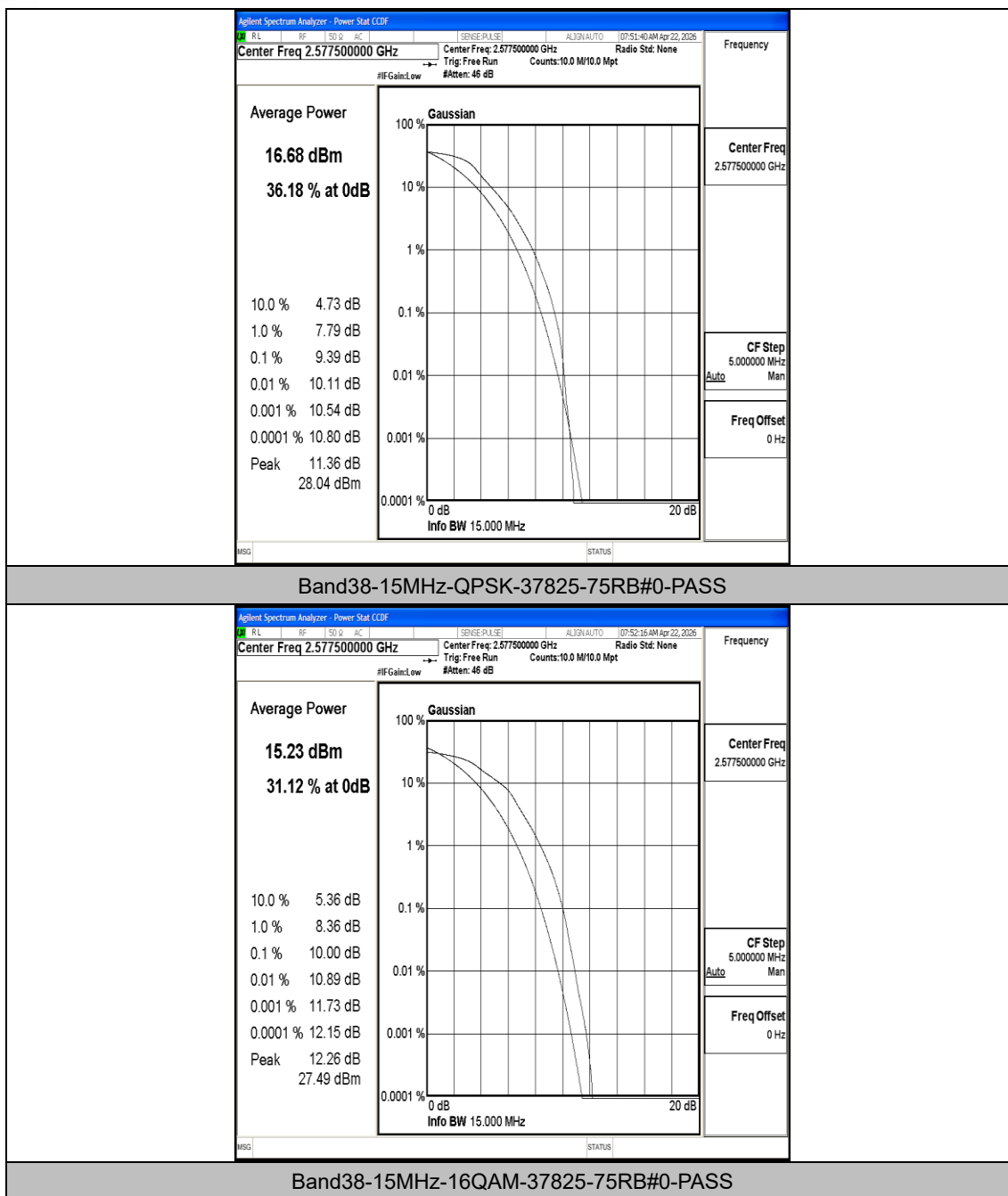


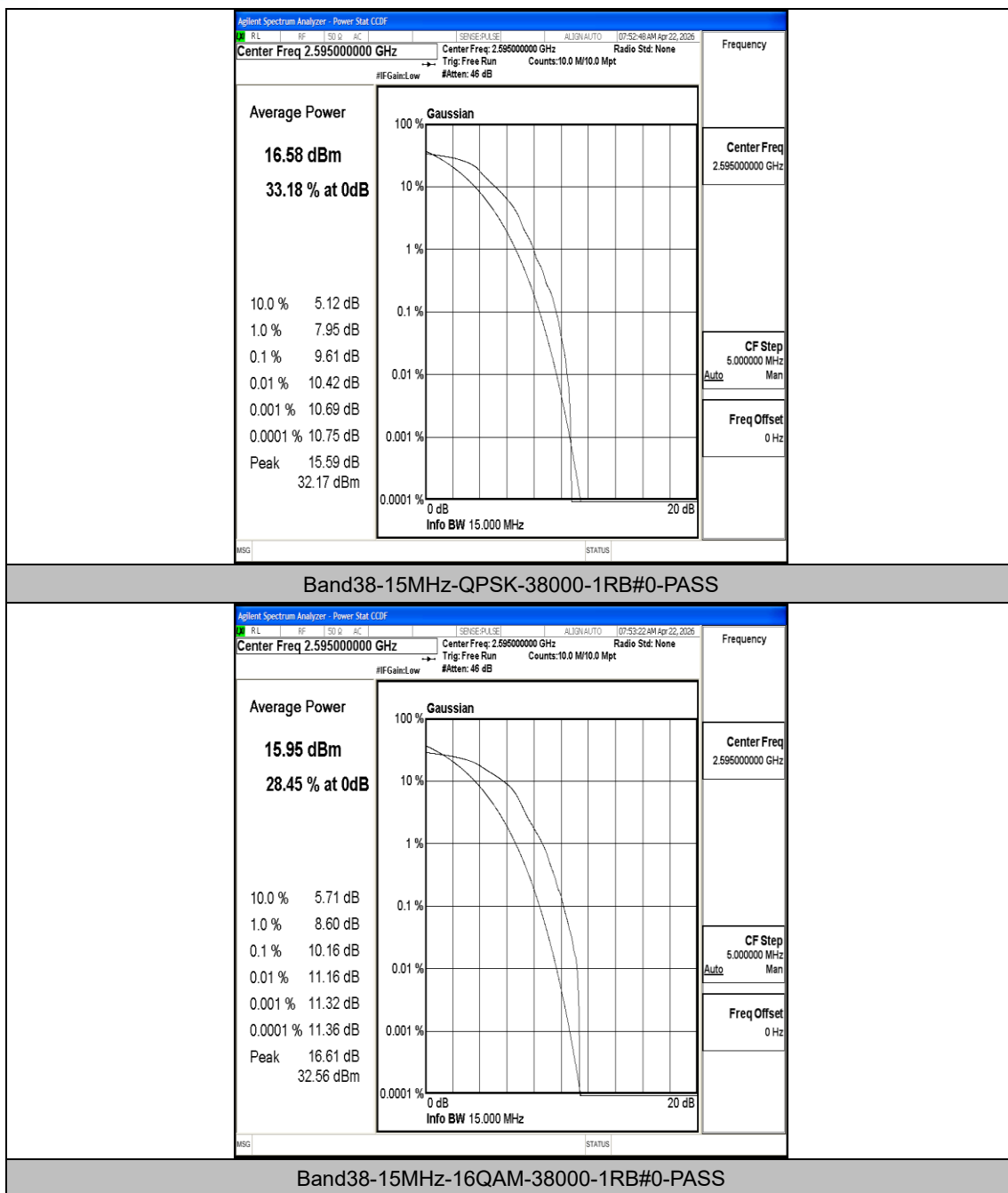


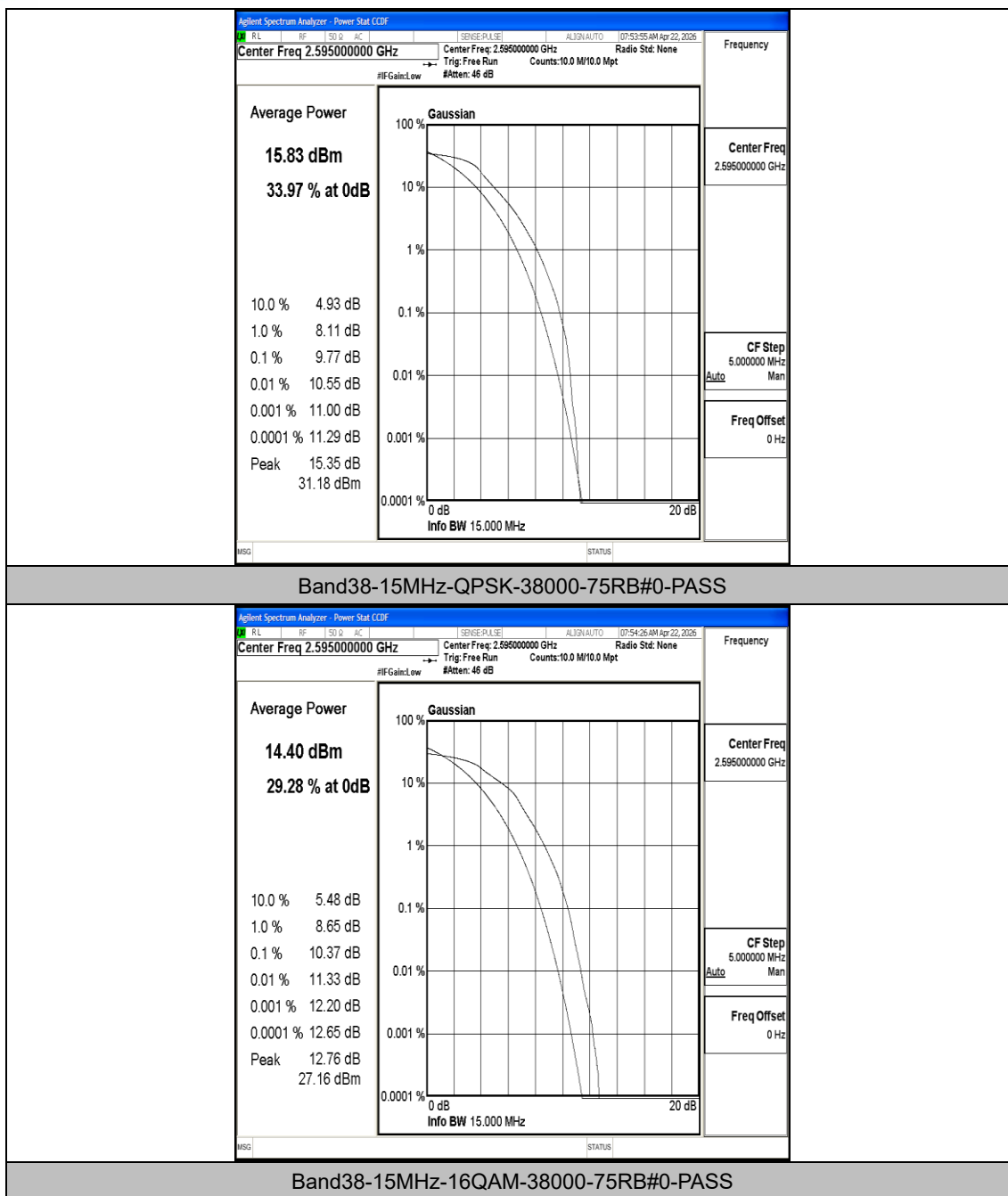


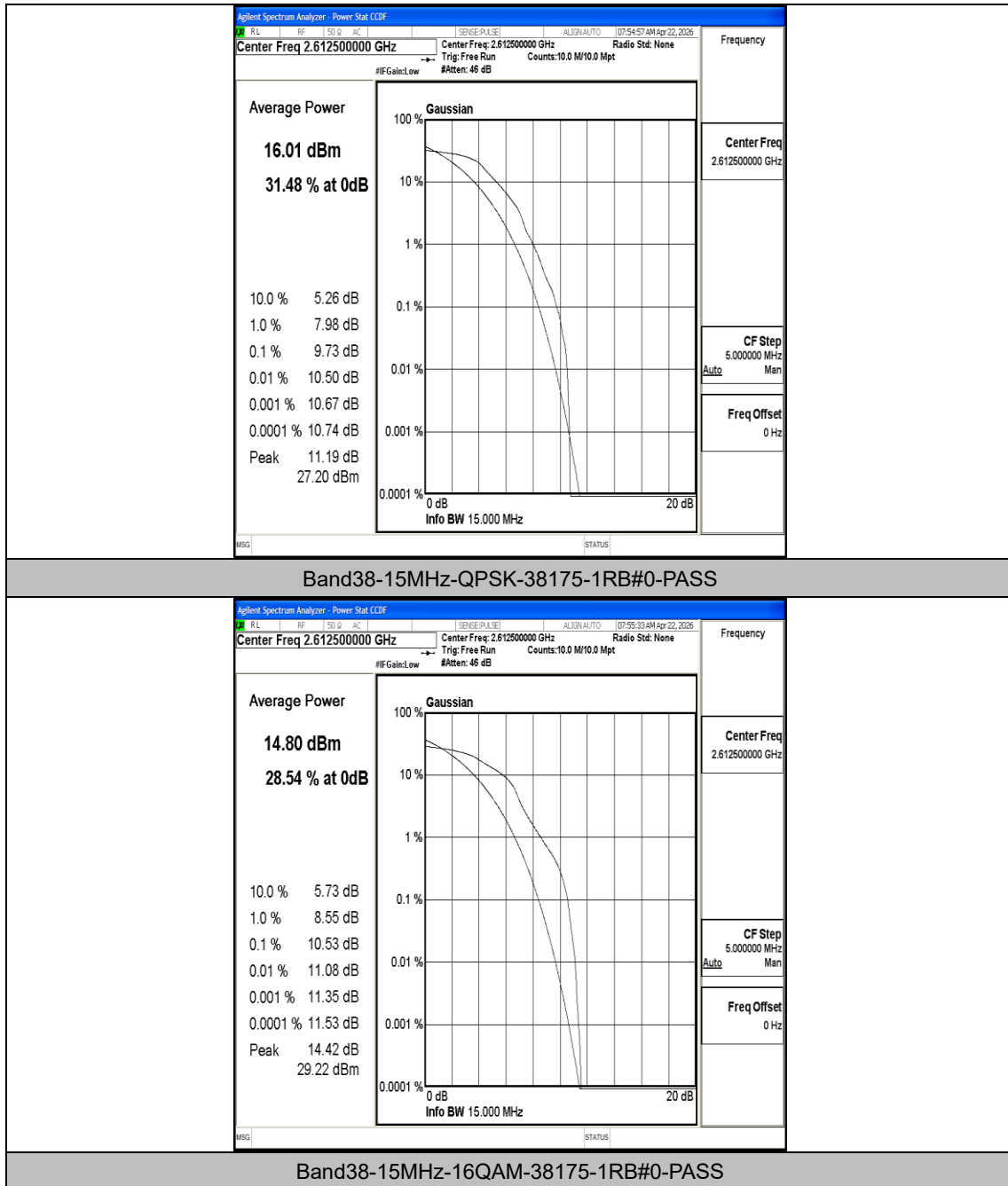


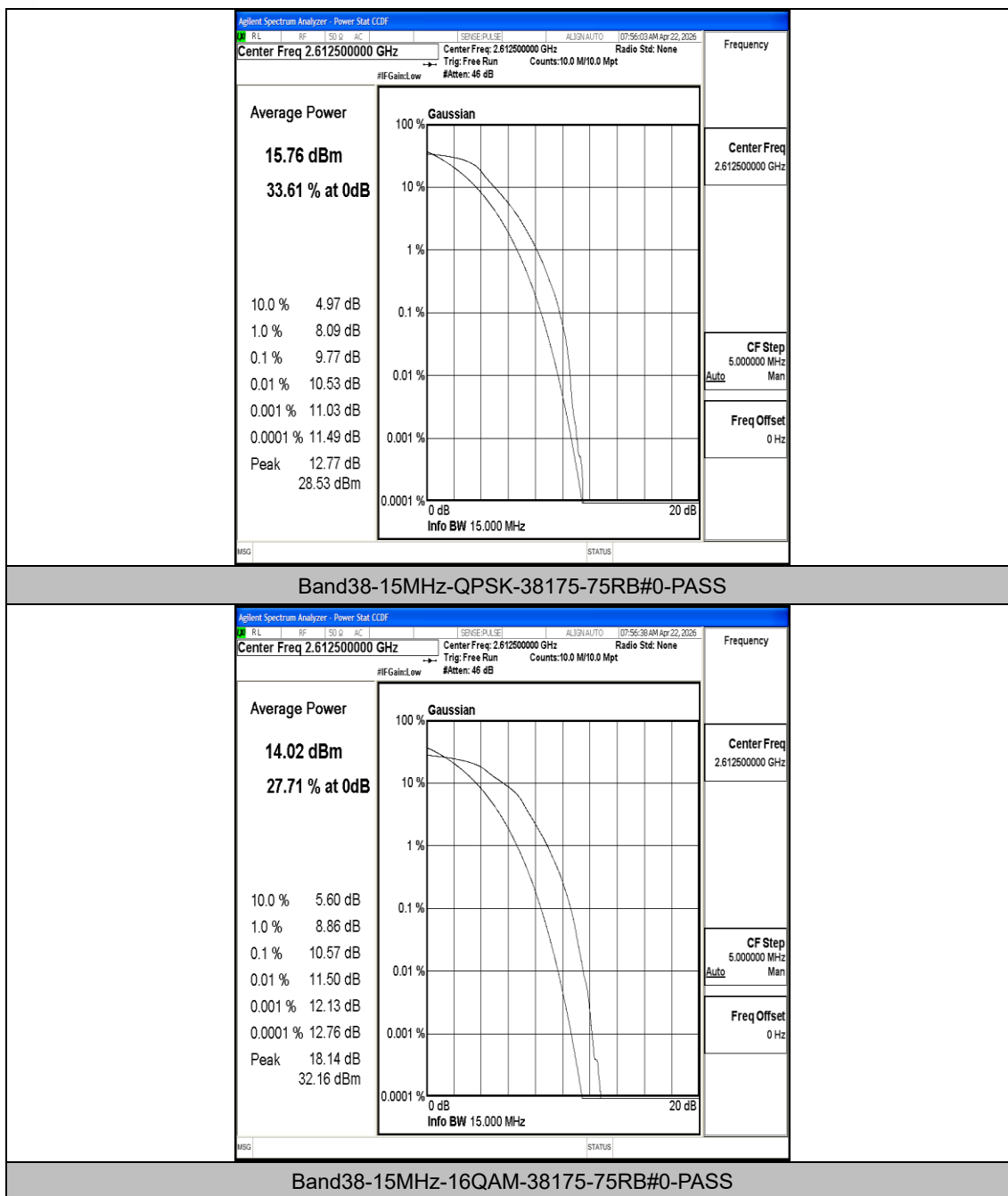


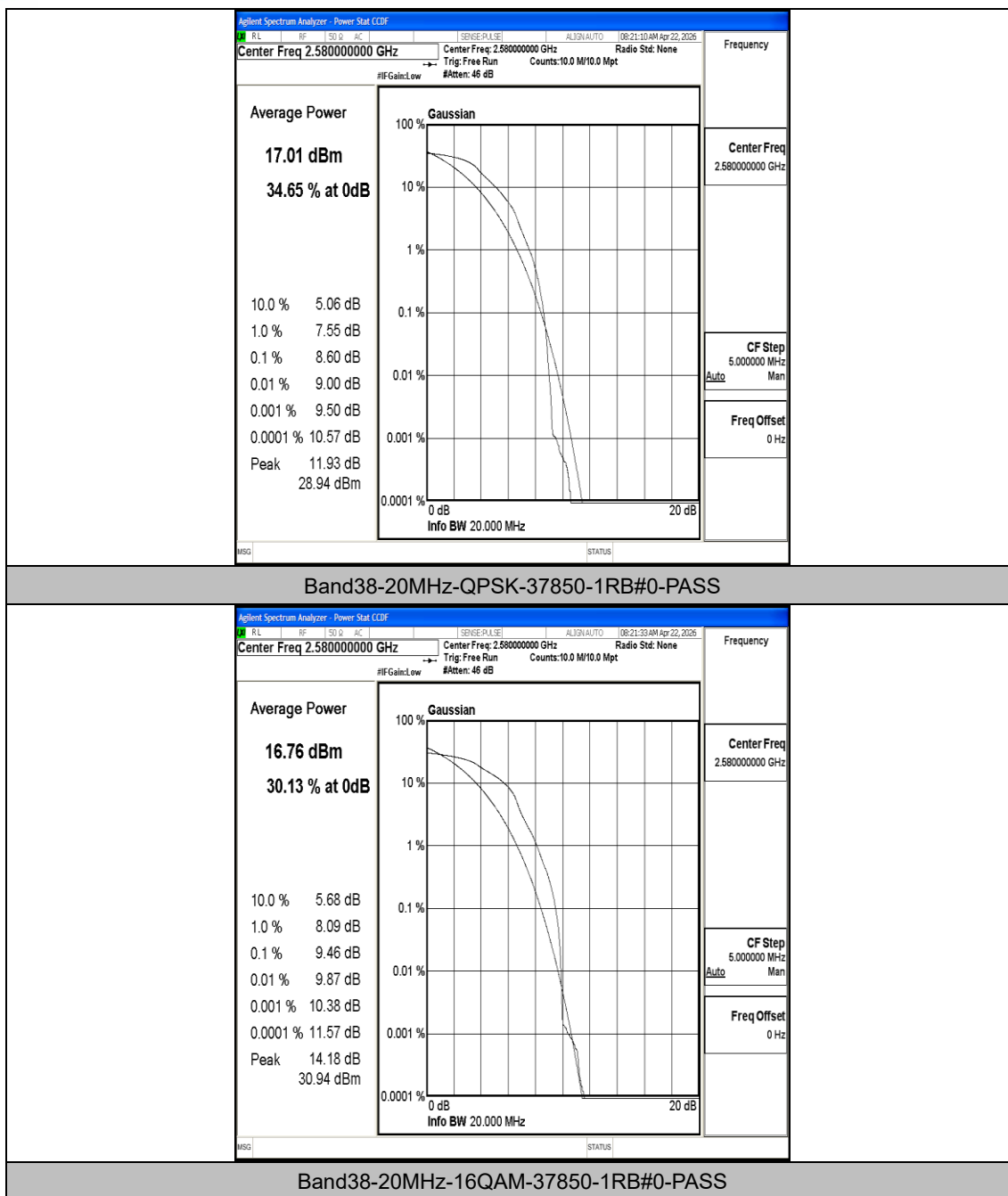


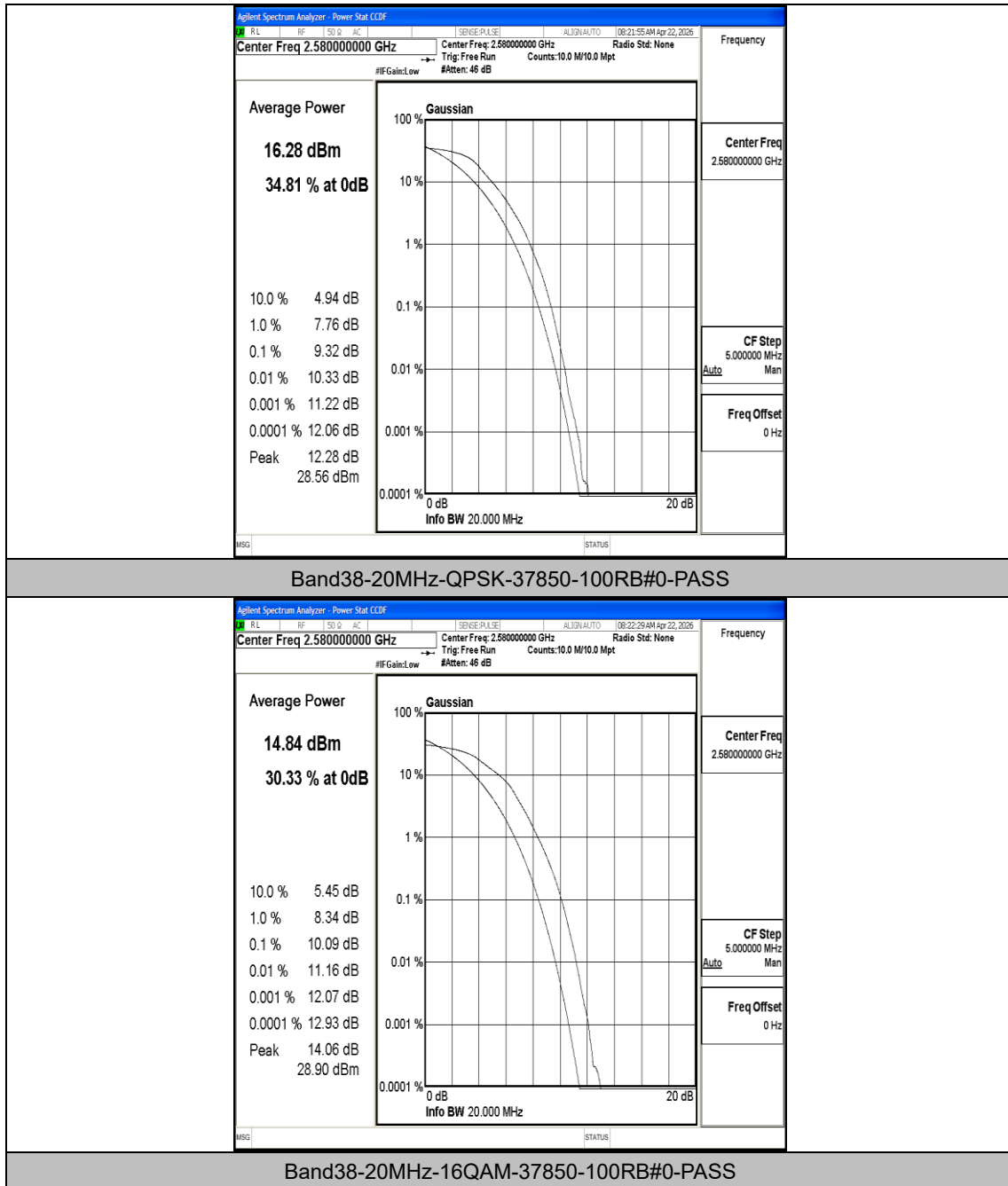


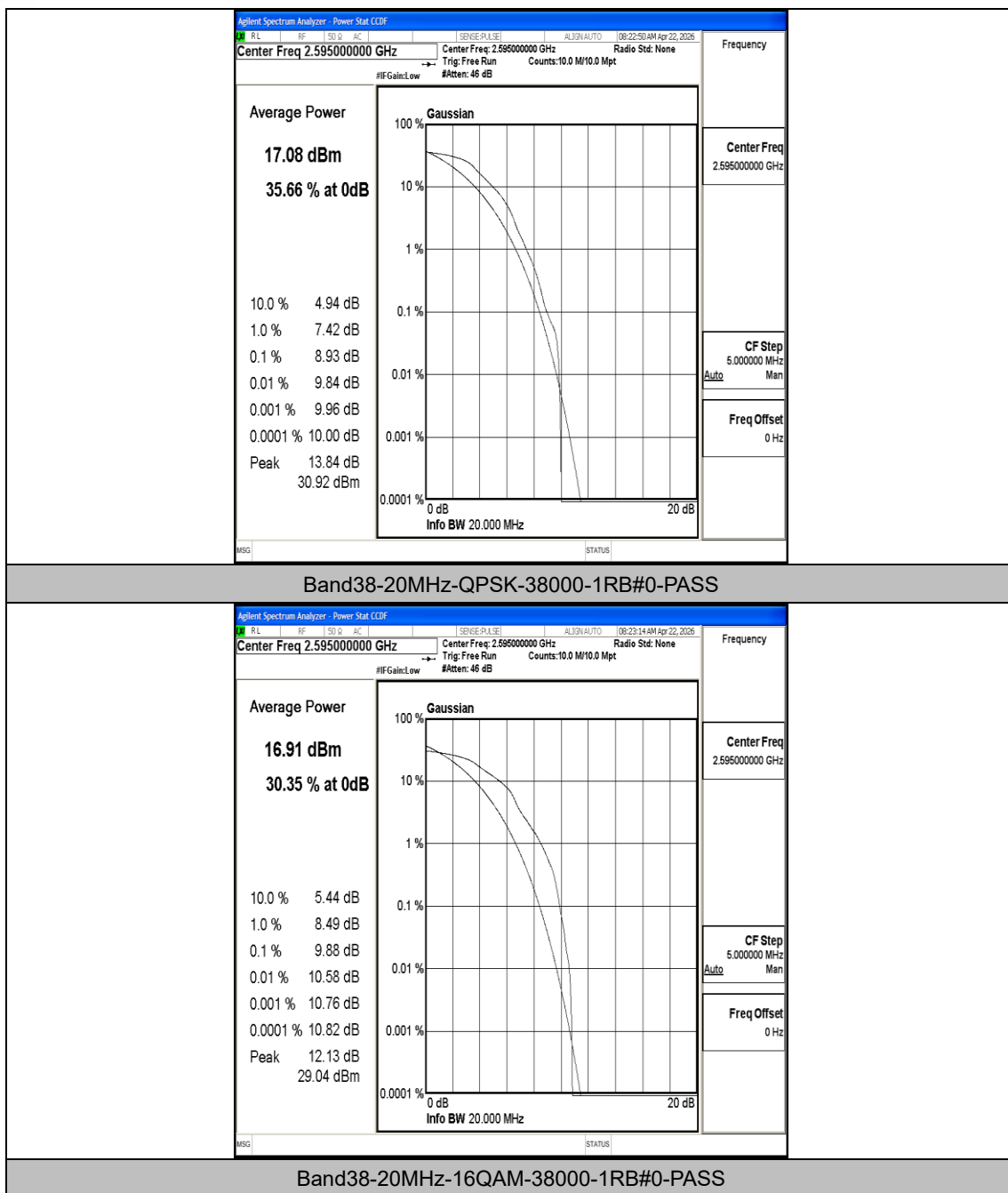


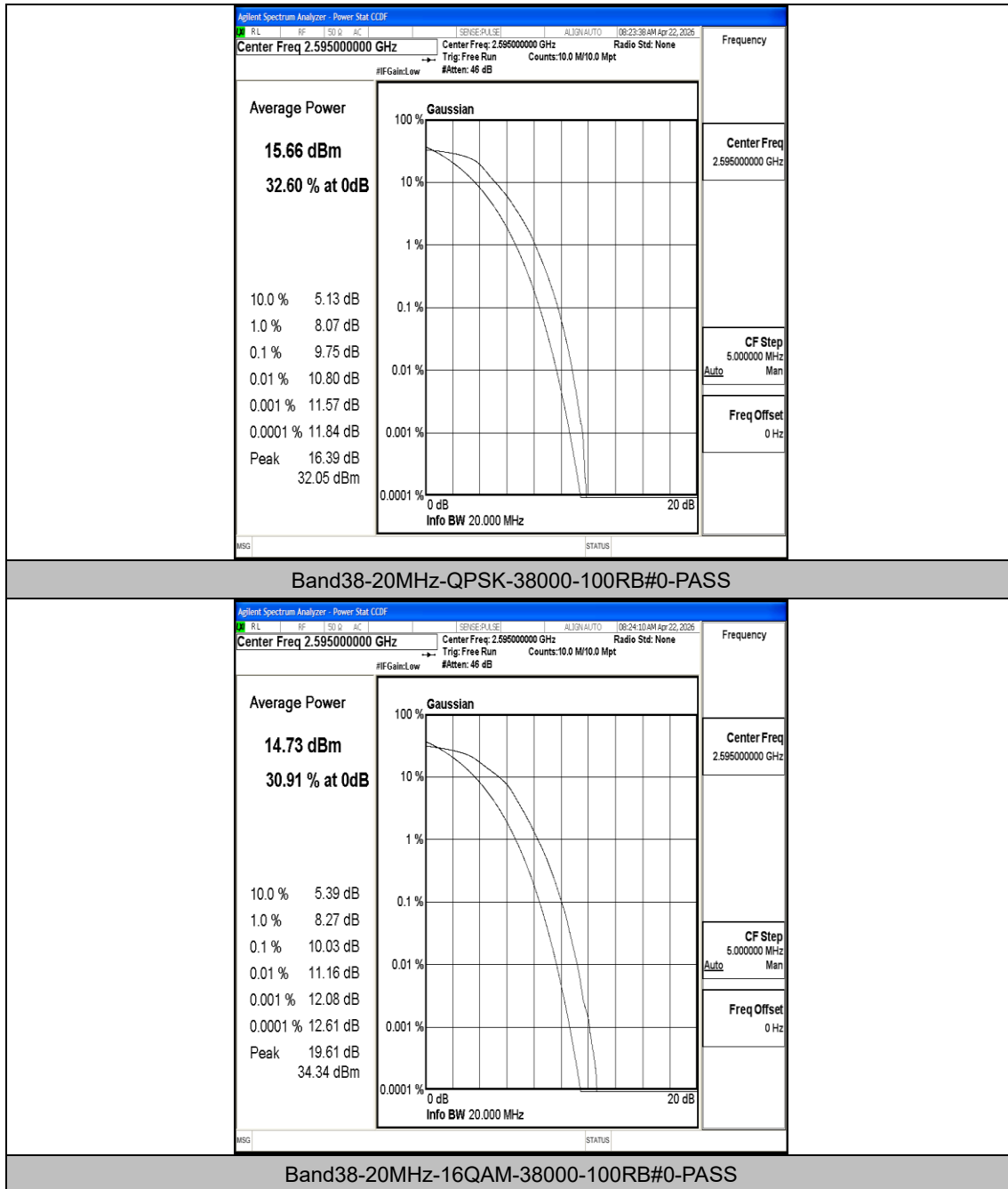


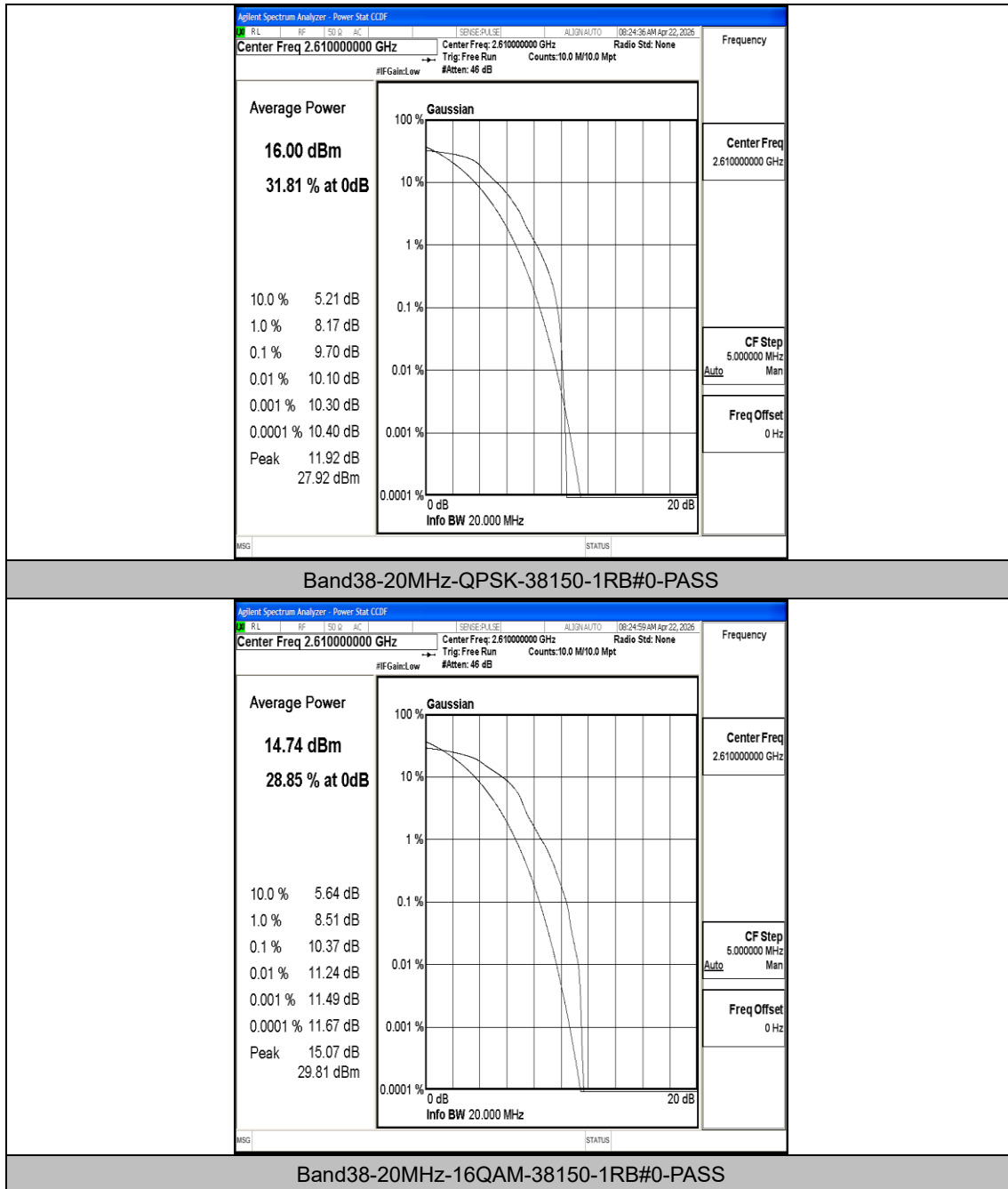


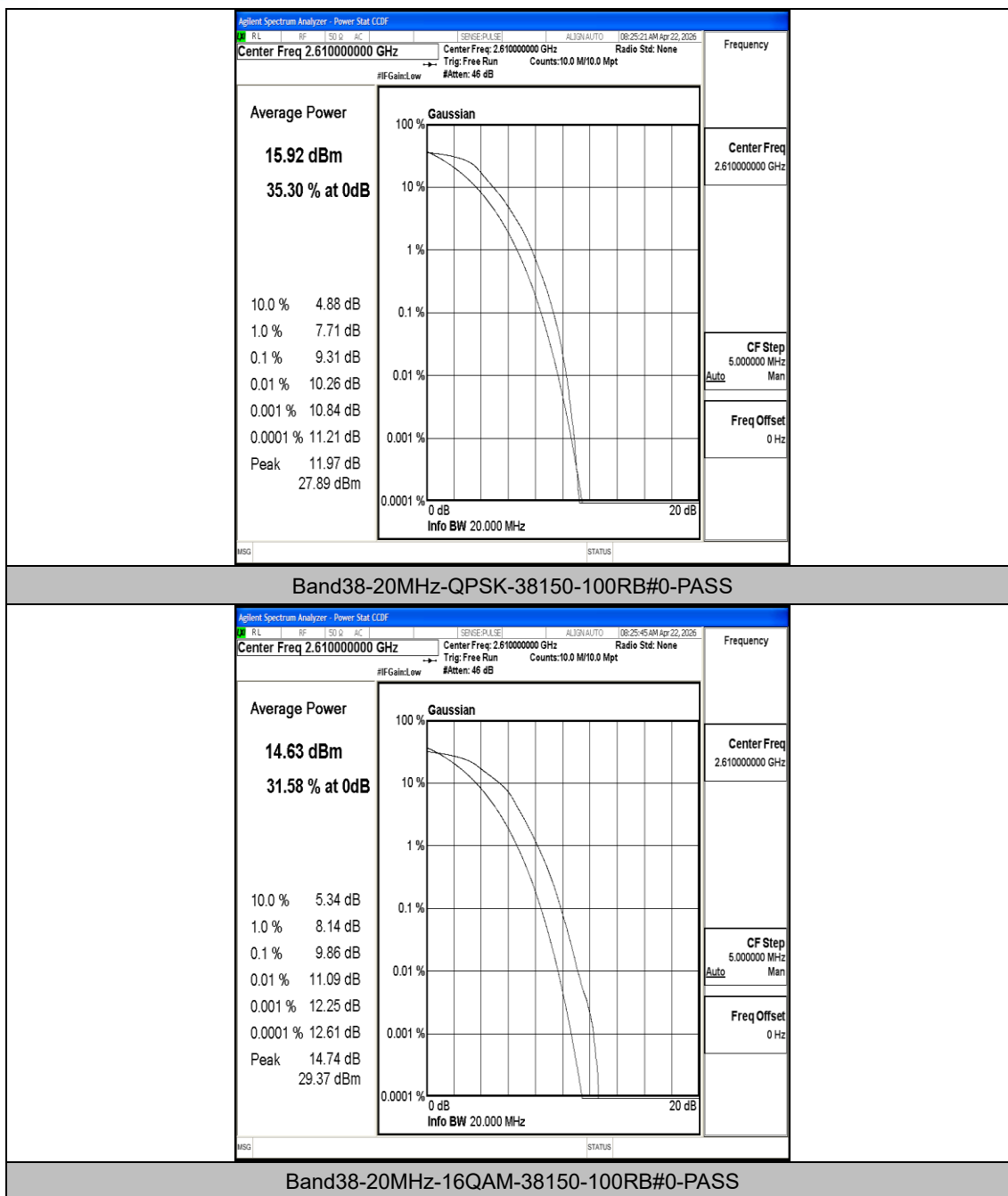










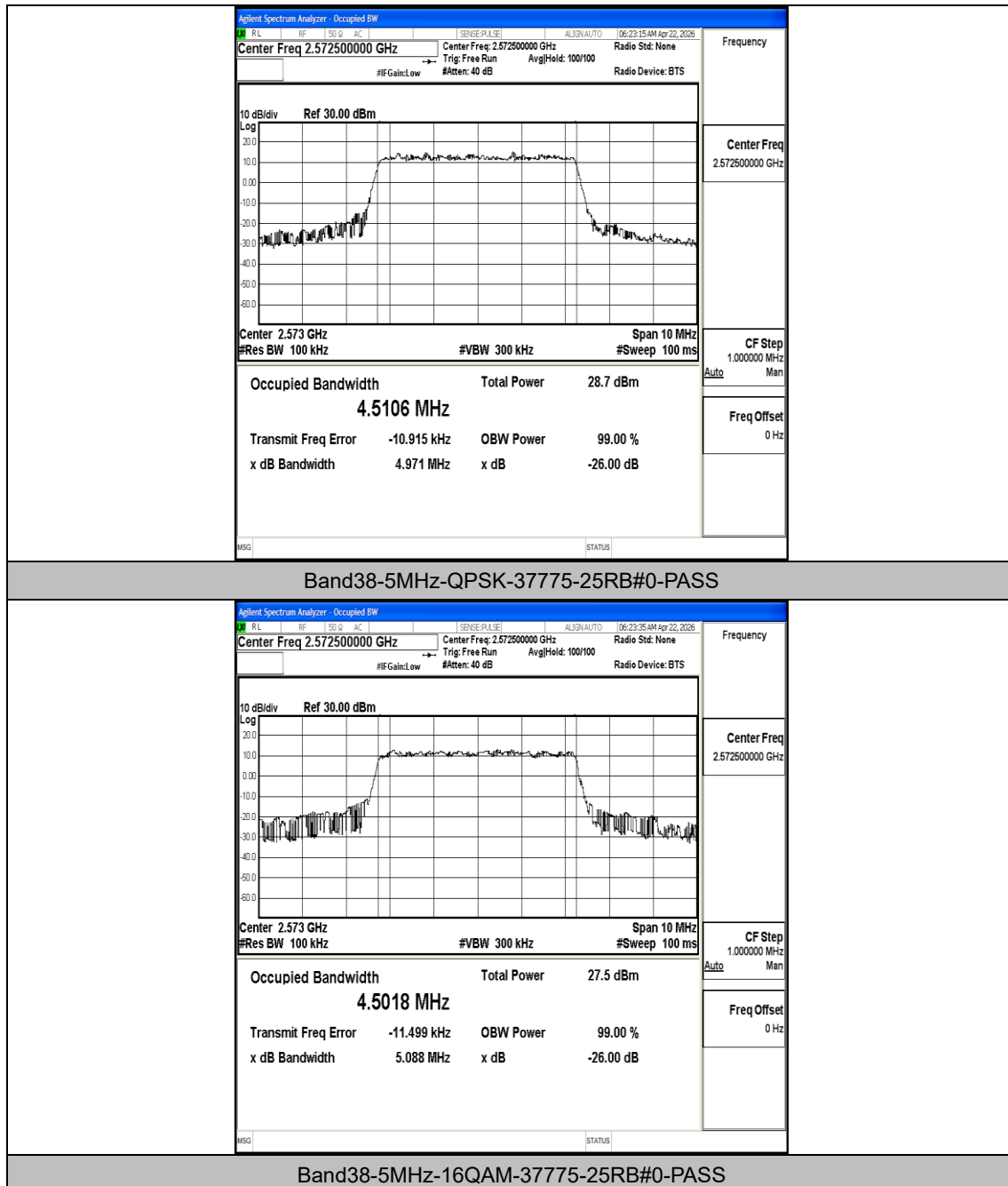


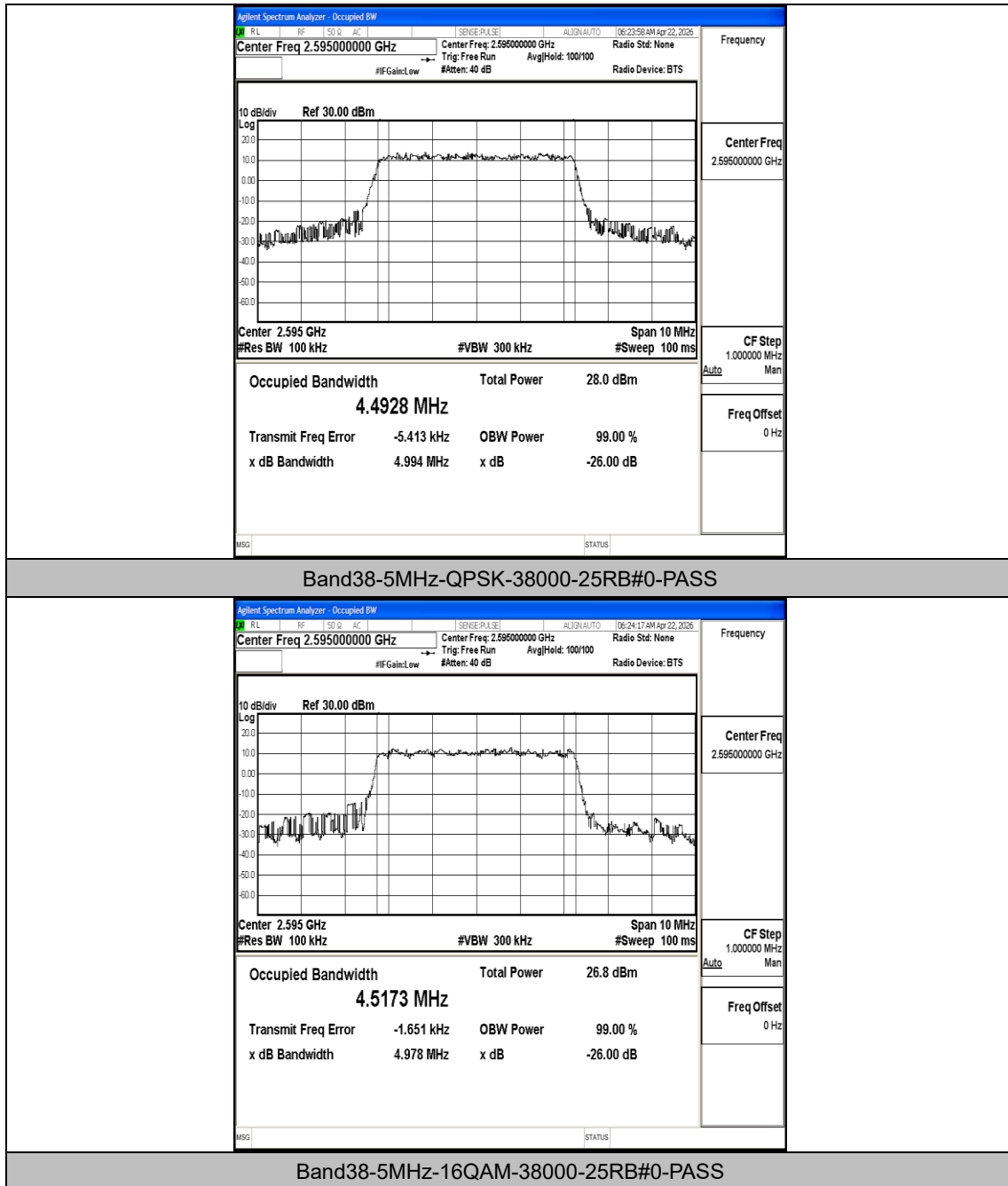
2 26dB Bandwidth and Occupied Bandwidth

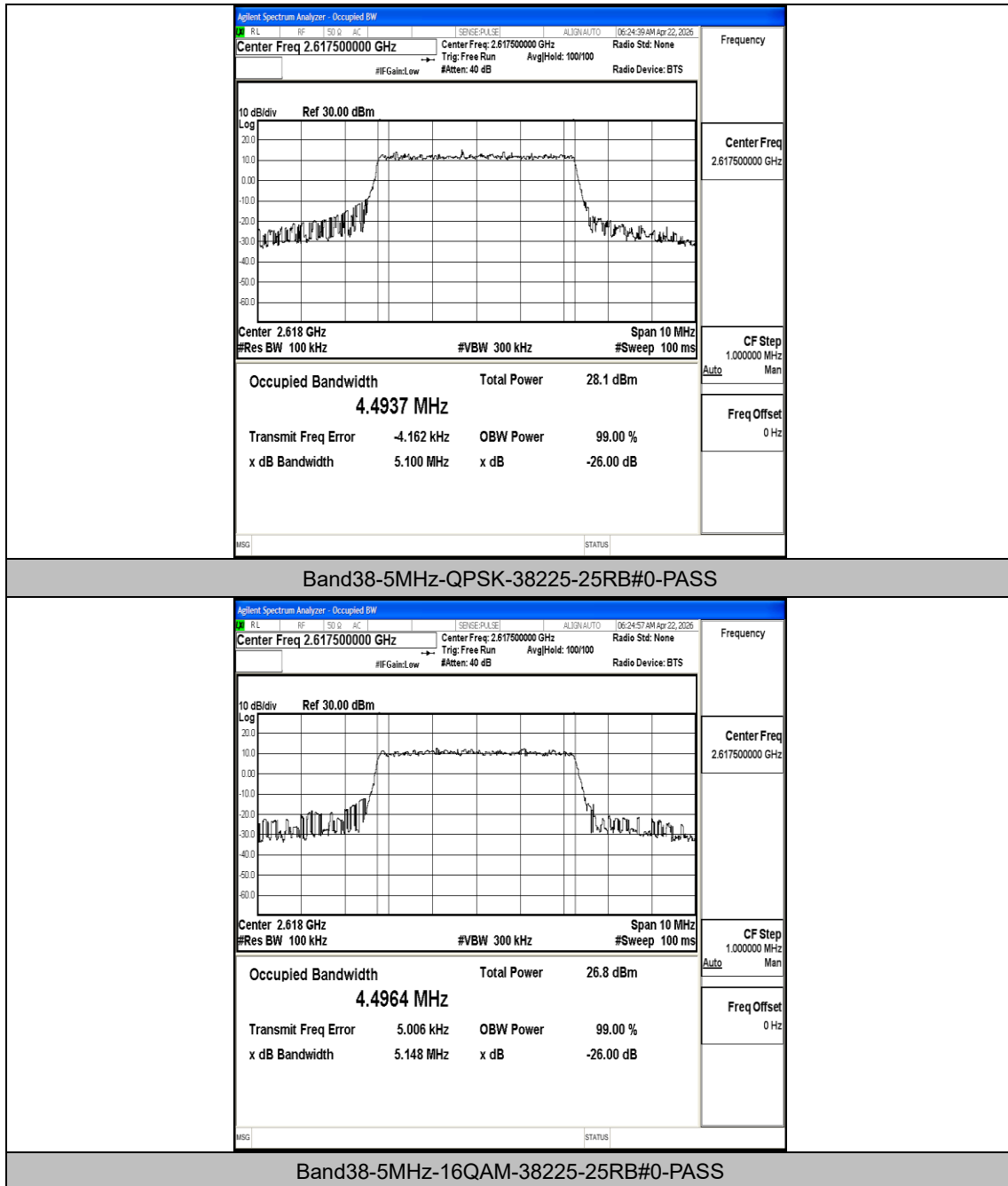
Test Result

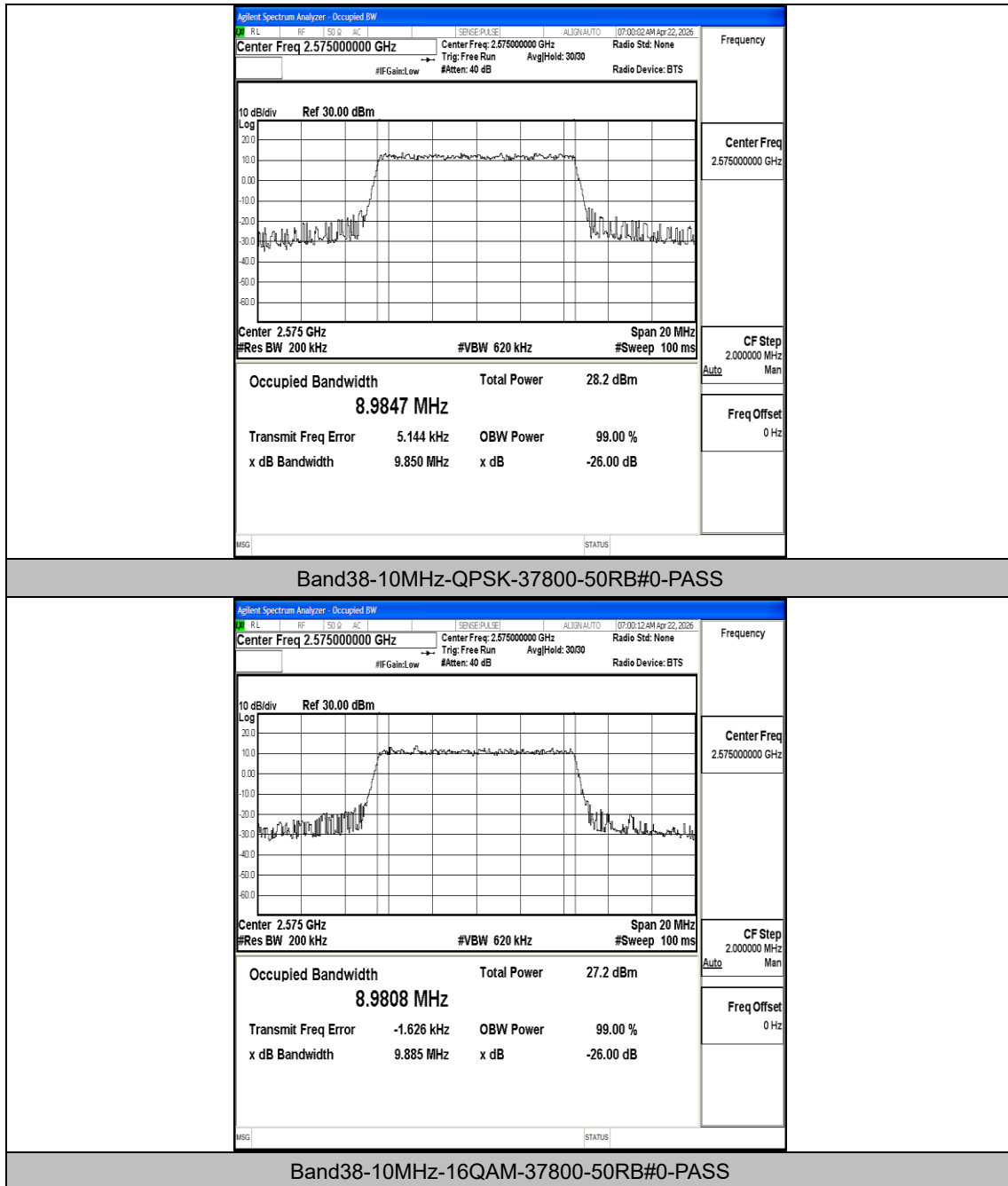
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5106	4.971	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5018	5.088	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4928	4.994	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5173	4.978	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4937	5.100	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4964	5.148	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9847	9.850	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9808	9.885	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9734	9.878	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9944	9.837	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0148	9.830	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9829	10.27	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	15.38	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.511	14.98	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.499	15.95	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.546	15.81	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.465	15.60	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.552	15.42	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.995	21.75	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.997	20.12	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.041	20.81	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.990	21.03	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.973	19.49	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.007	20.43	PASS

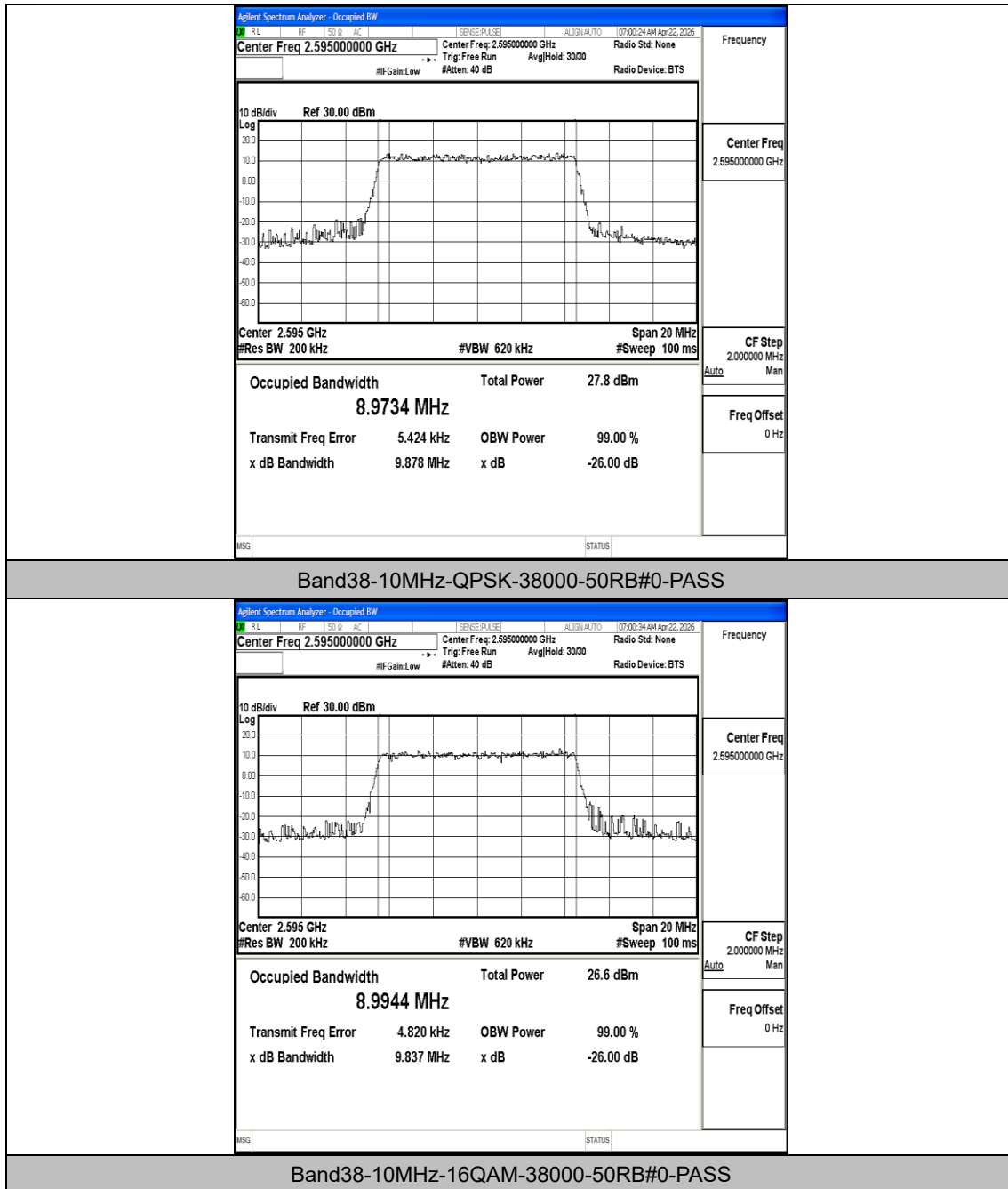
Test Graphs

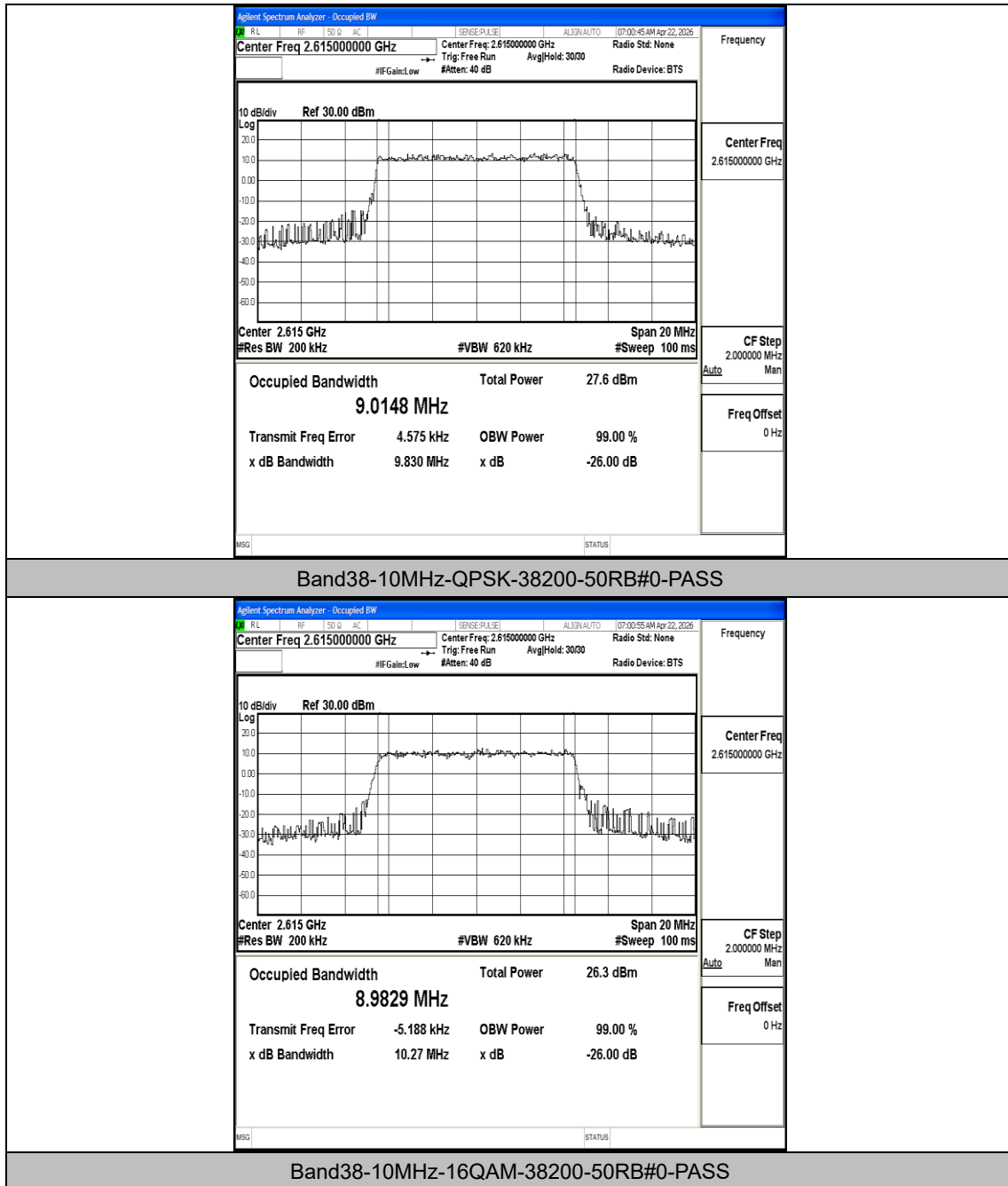


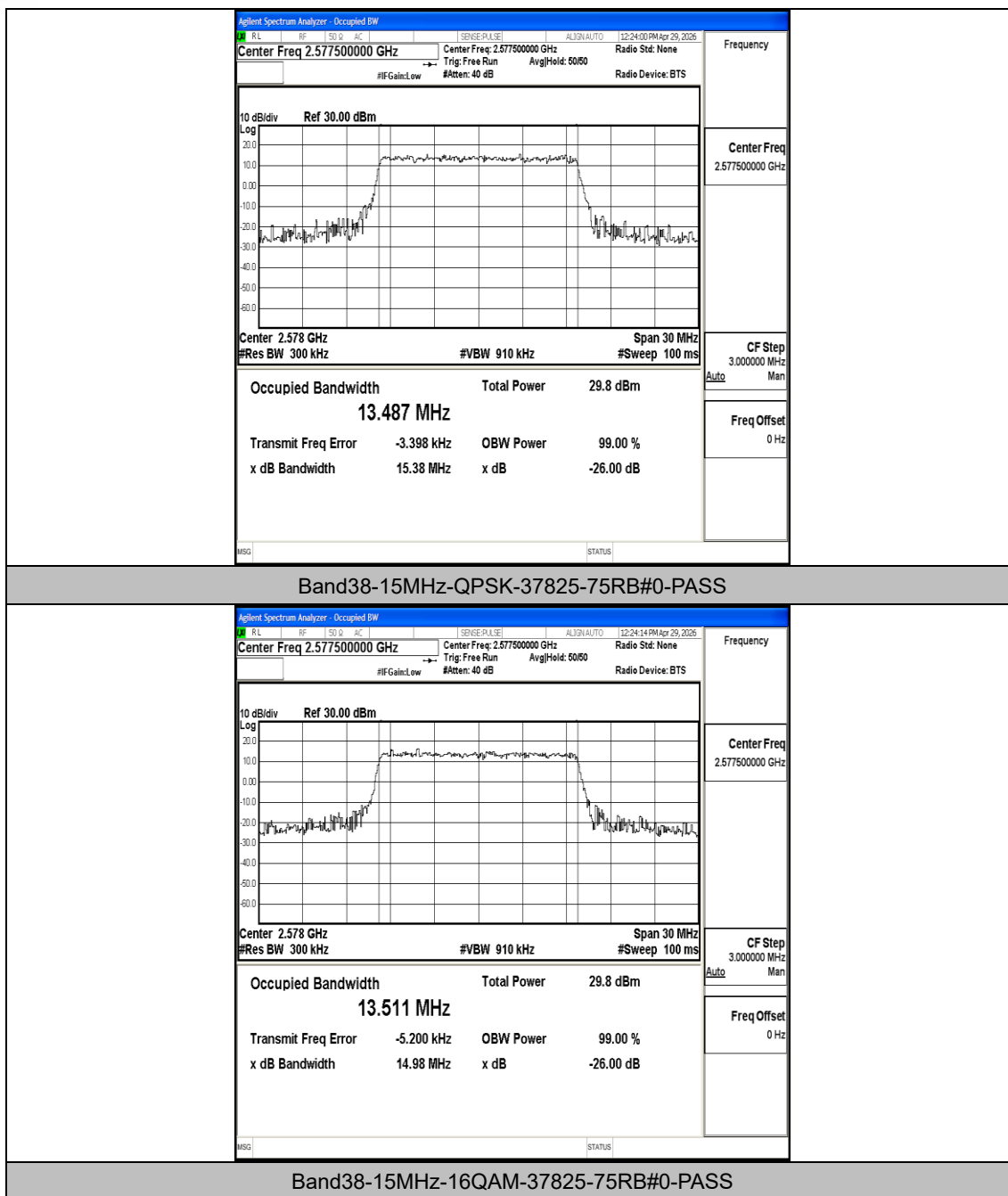


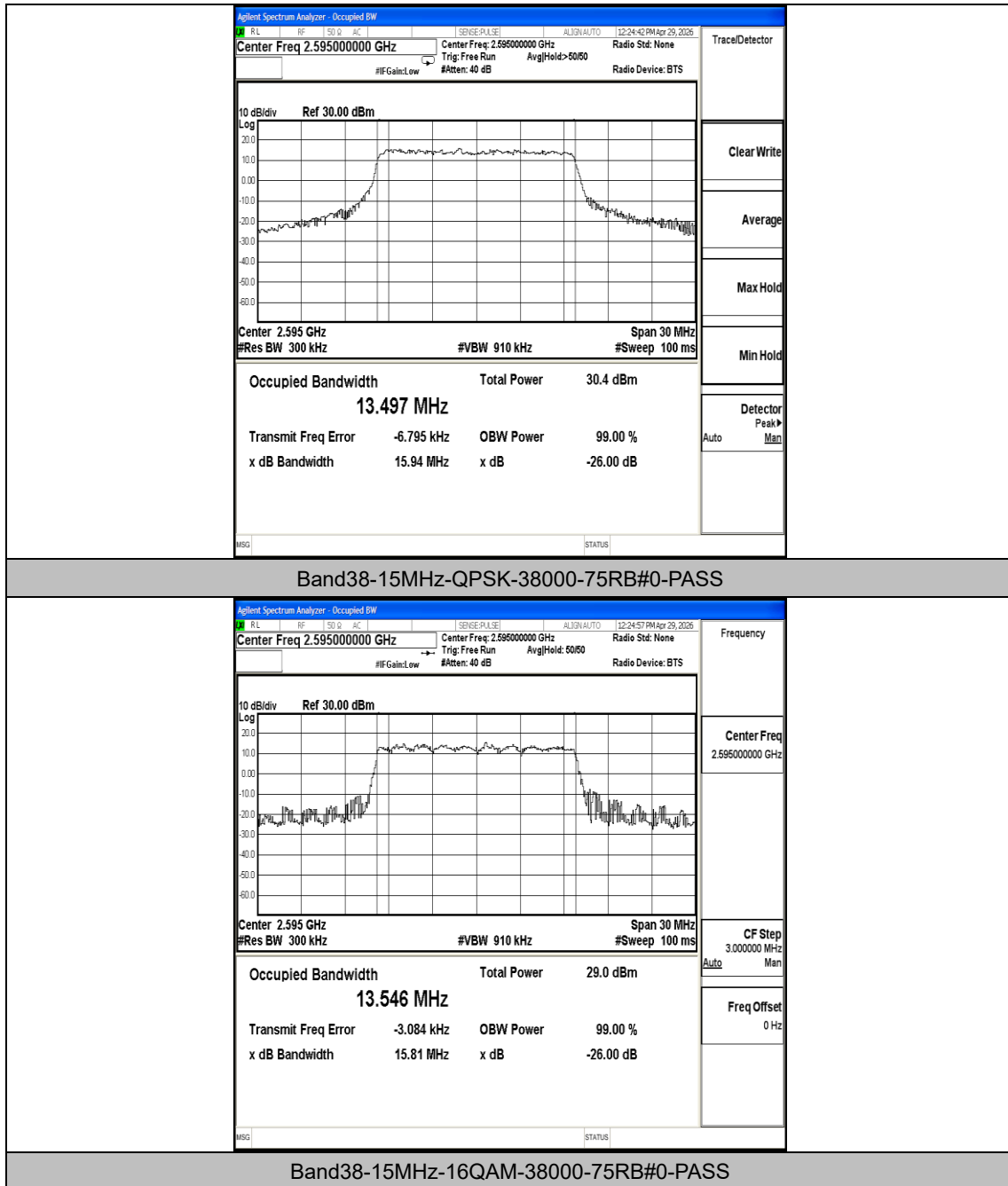


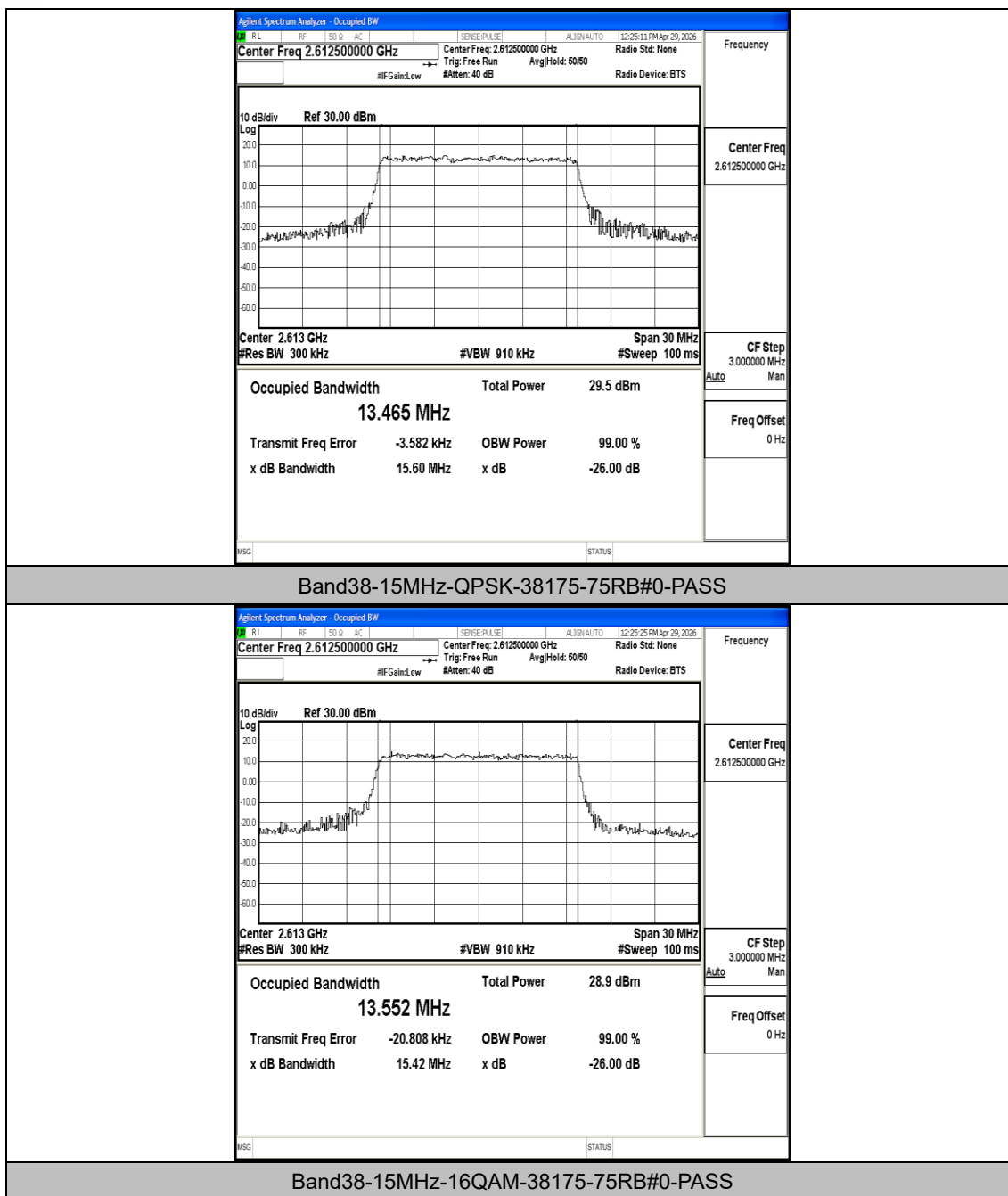


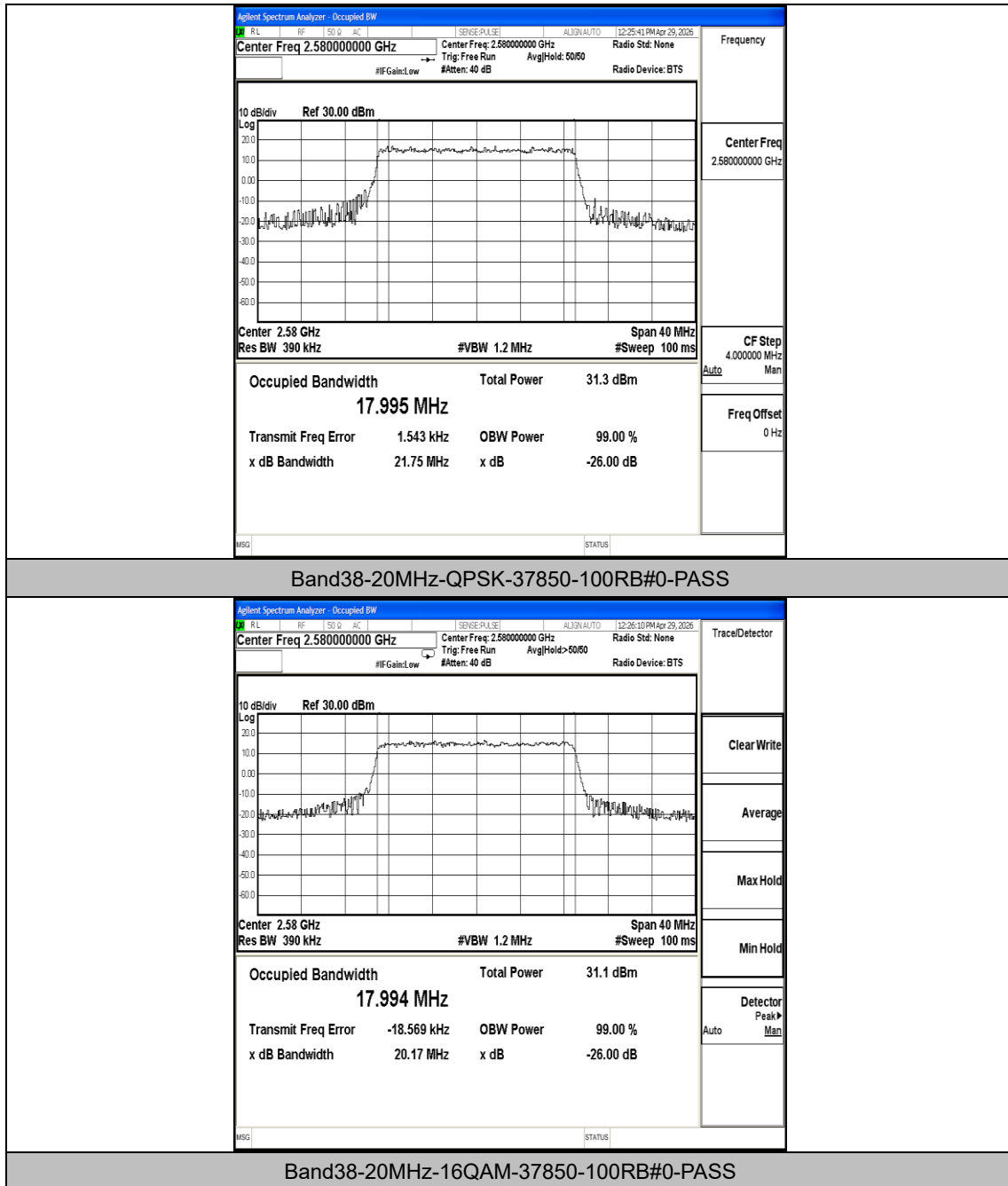


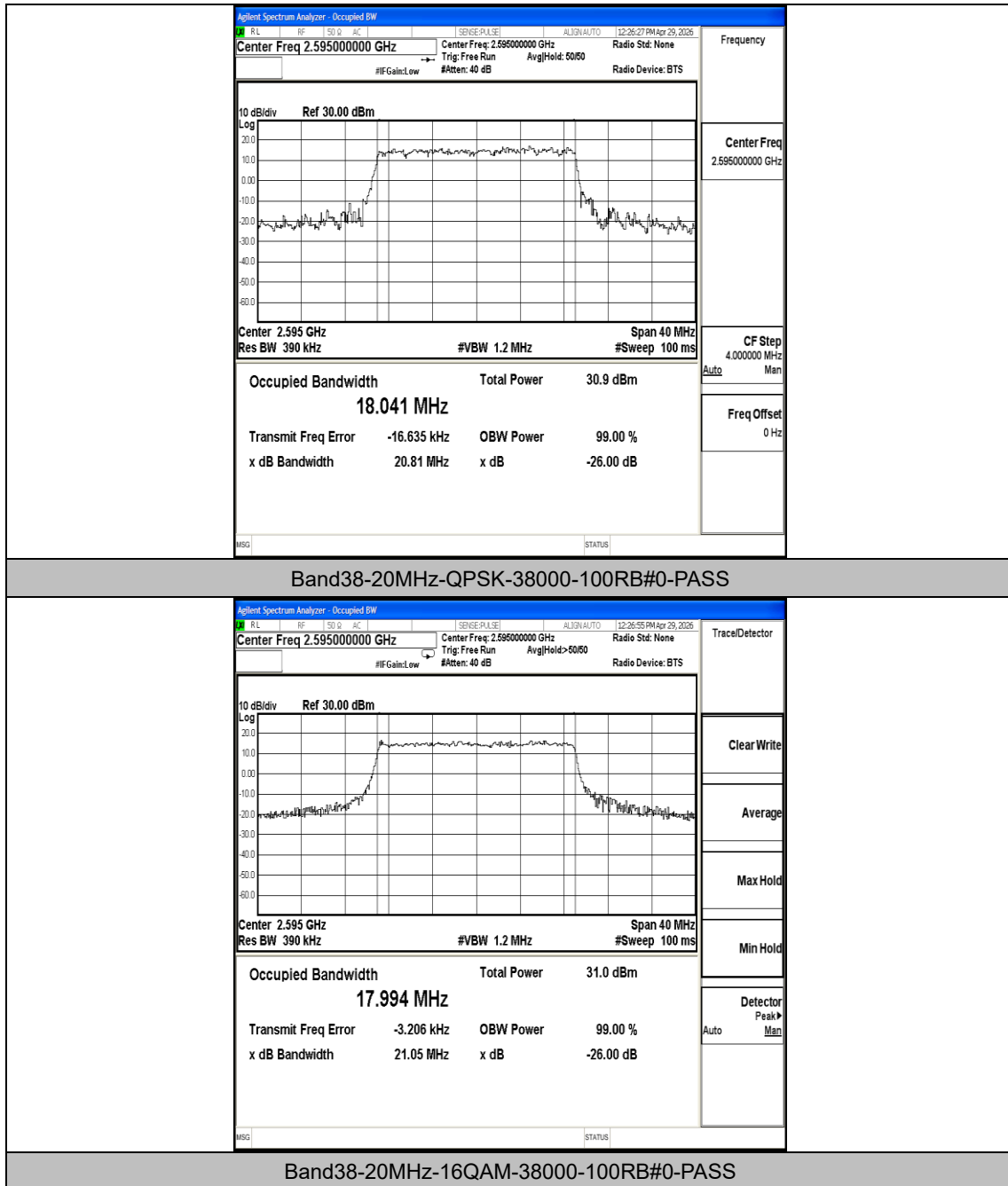


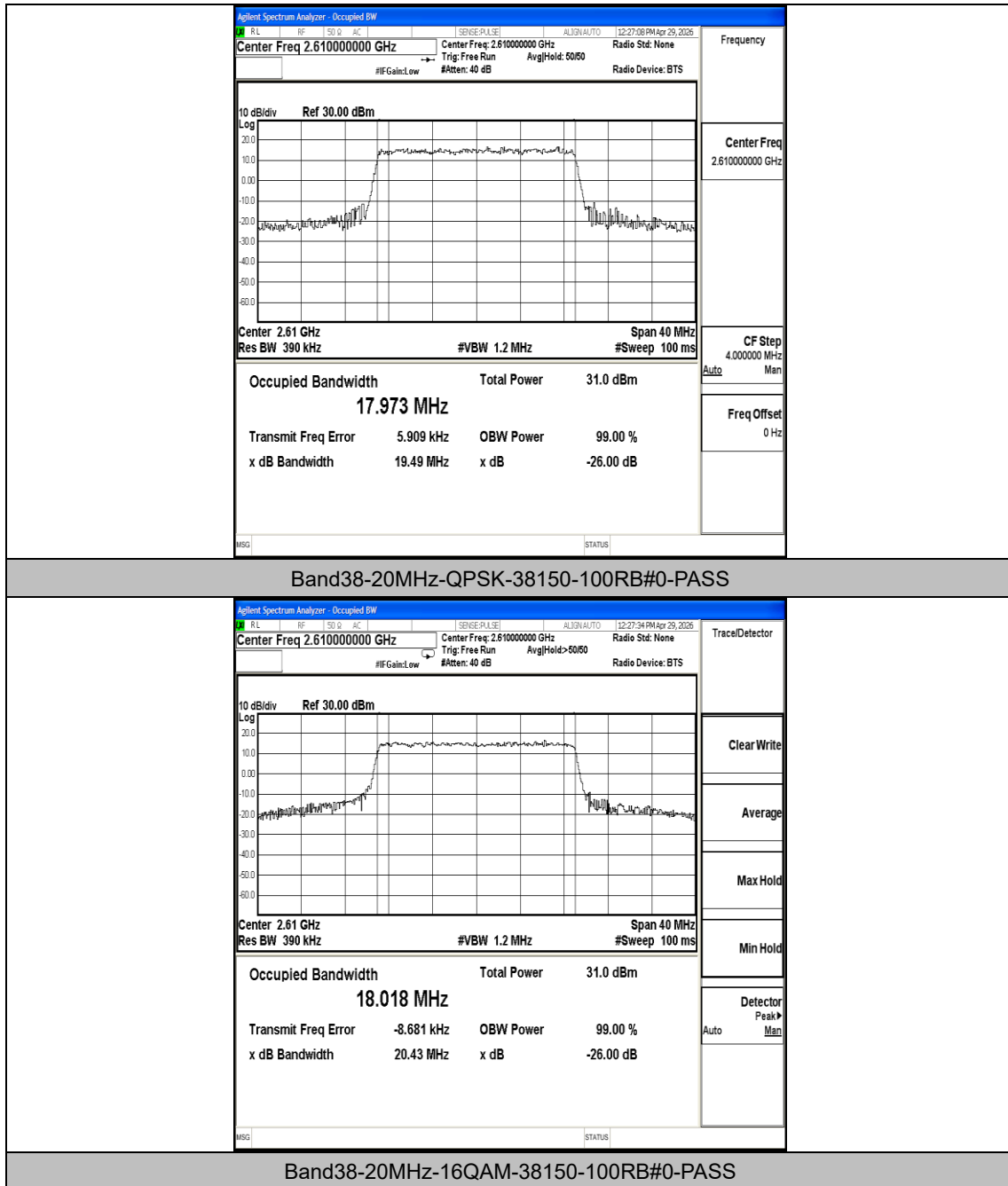










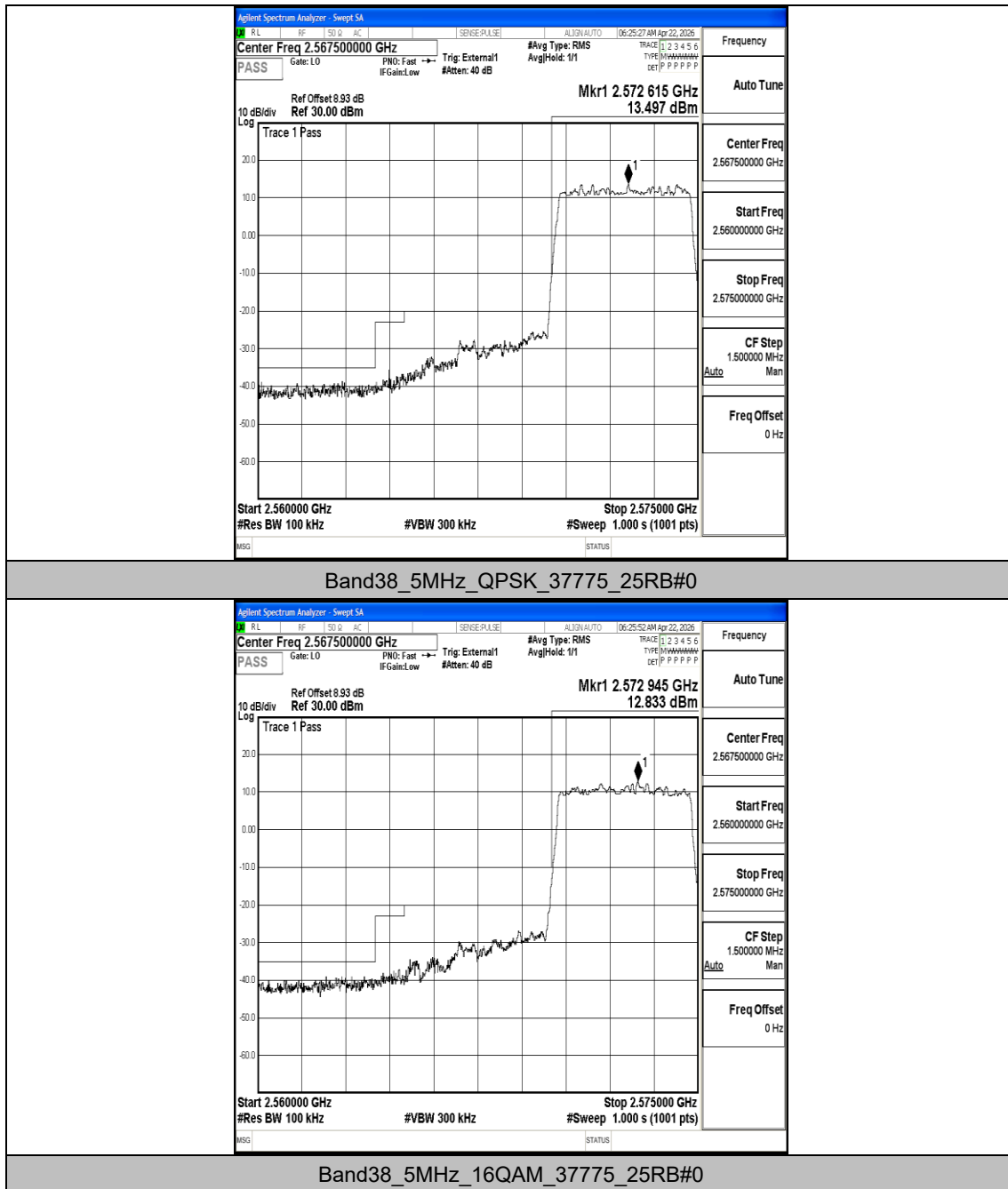


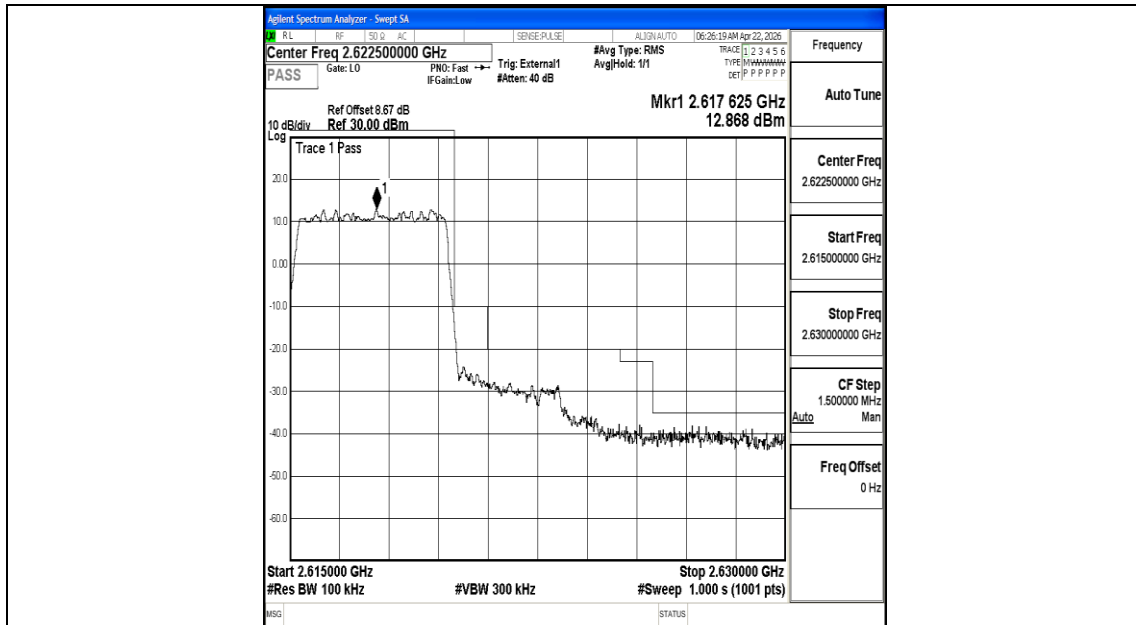
3 Band Edge

Test Result

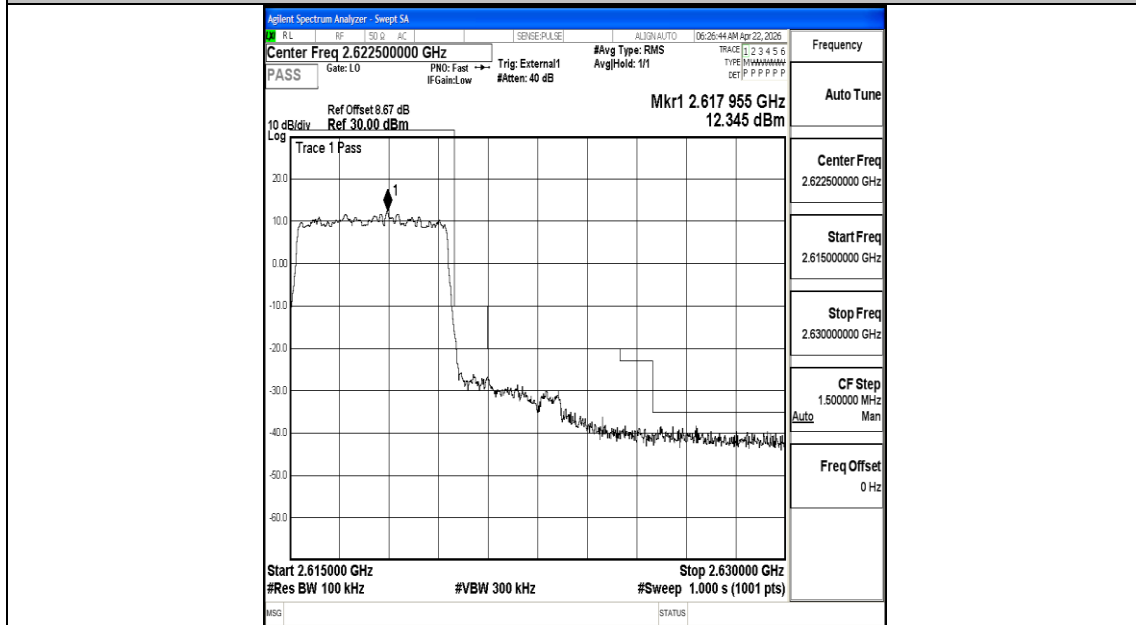
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2569.99	-12.45	PASS
Band38	5MHz	16QAM	37775	25RB#0	2562.34	-39.02	PASS
Band38	5MHz	QPSK	38225	25RB#0	2627.18	-38.14	PASS
Band38	5MHz	16QAM	38225	25RB#0	2627.30	-38.34	PASS
Band38	10MHz	QPSK	37800	50RB#0	2559.70	-33.39	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.23	-35.28	PASS
Band38	10MHz	QPSK	38200	50RB#0	2631.10	-36.64	PASS
Band38	10MHz	16QAM	38200	50RB#0	2633.63	-36.17	PASS
Band38	15MHz	QPSK	37825	75RB#0	2552.56	-33.01	PASS
Band38	15MHz	16QAM	37825	75RB#0	2553.78	-33.46	PASS
Band38	15MHz	QPSK	38175	75RB#0	2620.02	-13.76	PASS
Band38	15MHz	16QAM	38175	75RB#0	2639.23	-34.38	PASS
Band38	20MHz	QPSK	37850	100RB#0	2548.78	-32.53	PASS
Band38	20MHz	16QAM	37850	100RB#0	2547.12	-33.24	PASS
Band38	20MHz	QPSK	38150	100RB#0	2620.03	-13.74	PASS
Band38	20MHz	16QAM	38150	100RB#0	2640.86	-34.04	PASS

Test Graphs

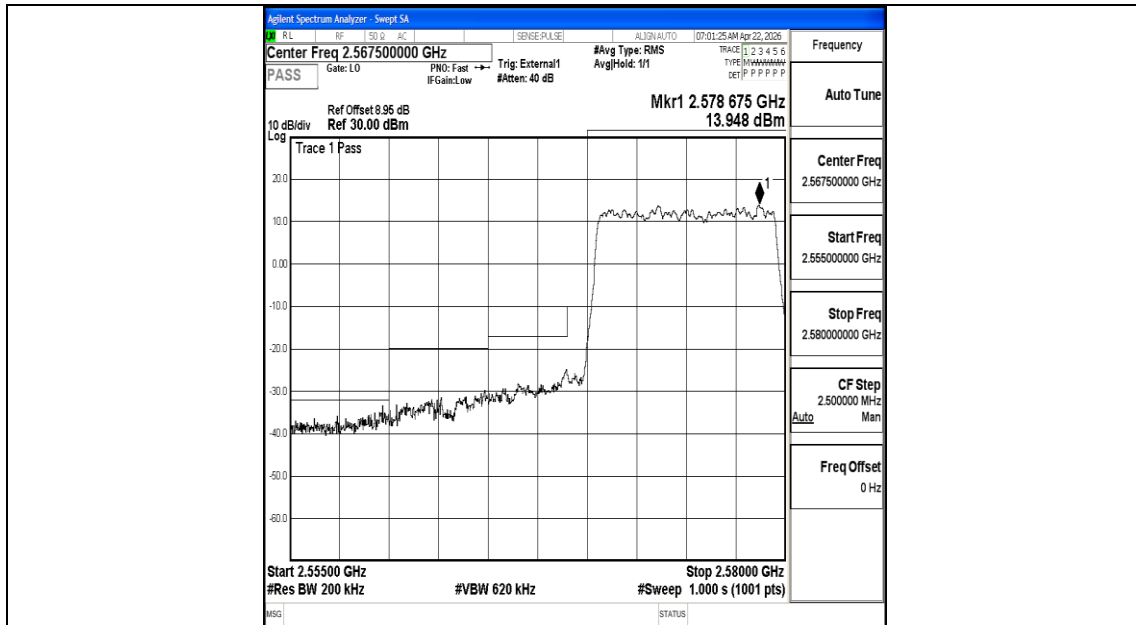




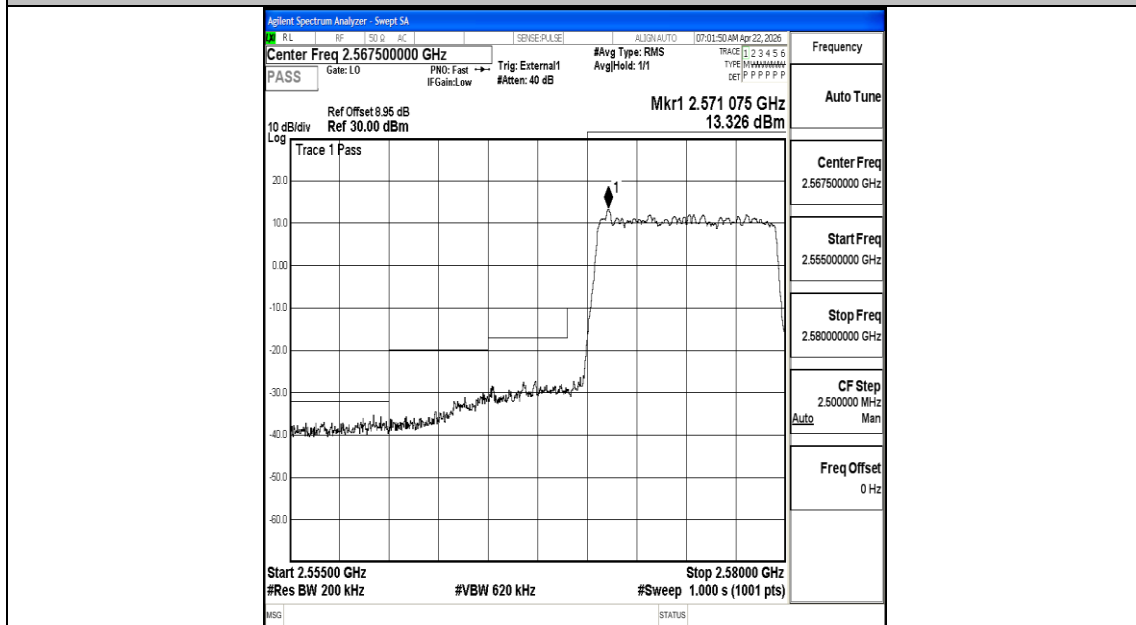
Band38_5MHz_QPSK_38225_25RB#0



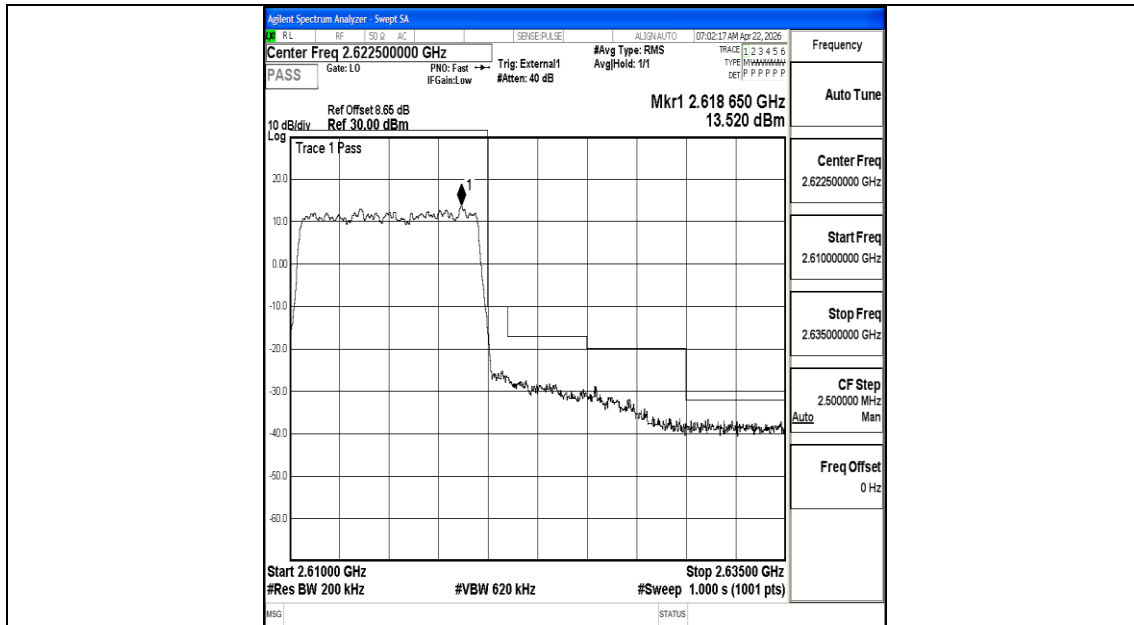
Band38_5MHz_16QAM_38225_25RB#0



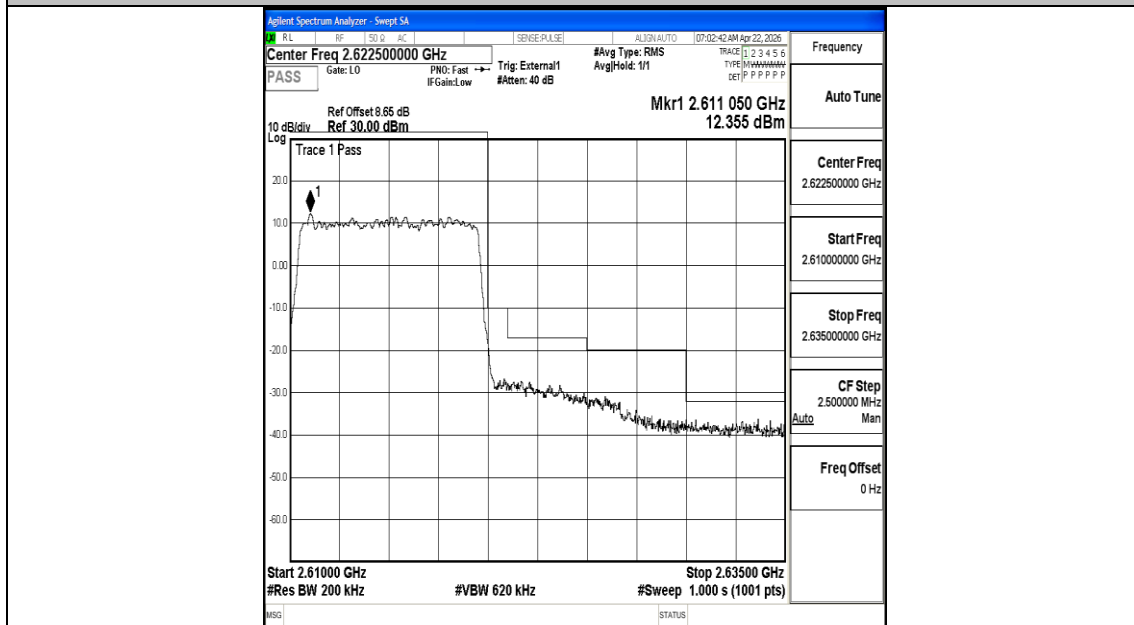
Band38_10MHz_QPSK_37800_50RB#0



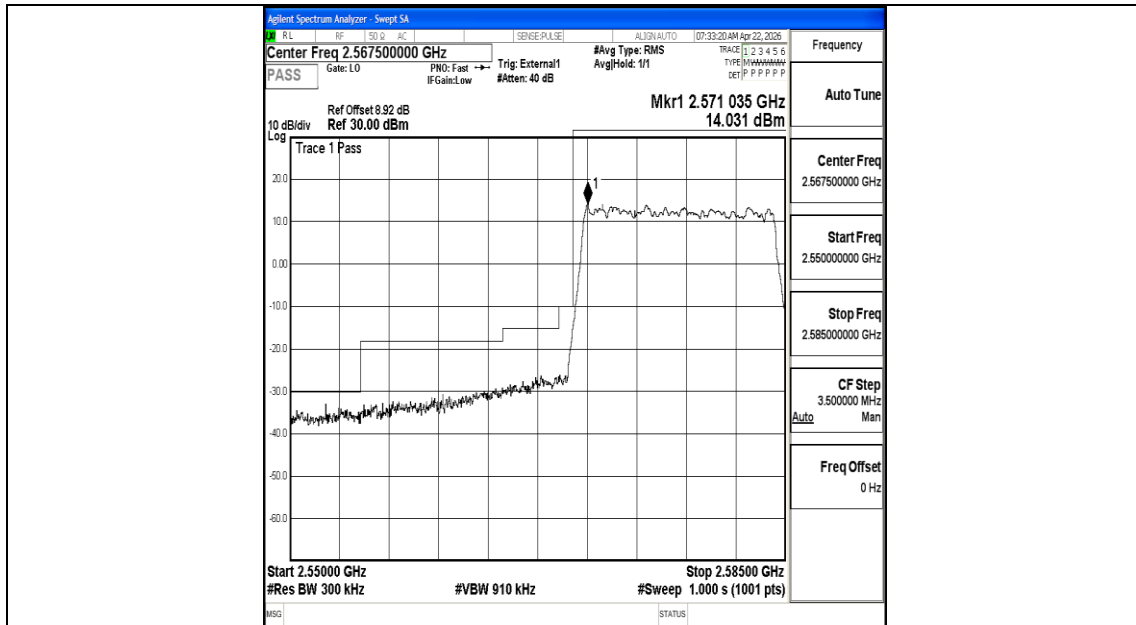
Band38_10MHz_16QAM_37800_50RB#0



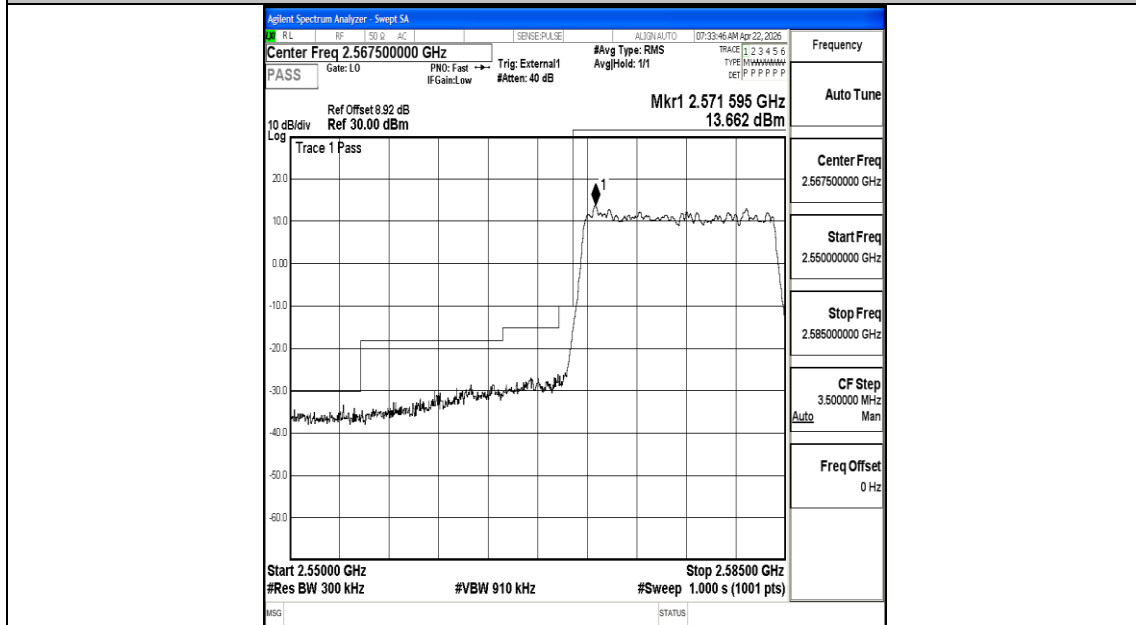
Band38_10MHz_QPSK_38200_50RB#0



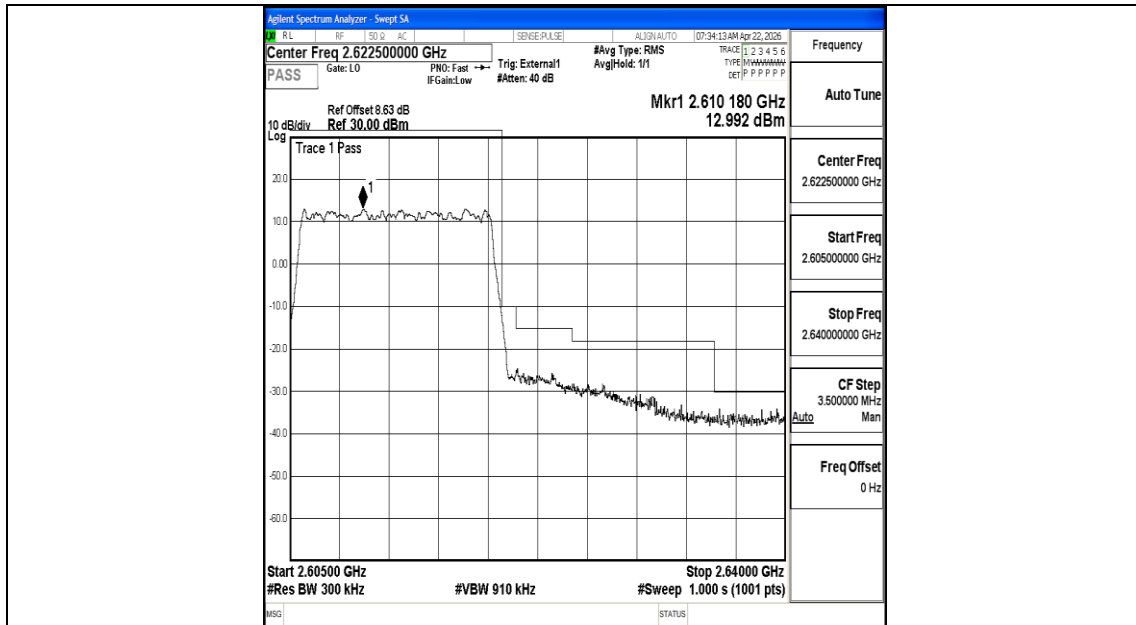
Band38_10MHz_16QAM_38200_50RB#0



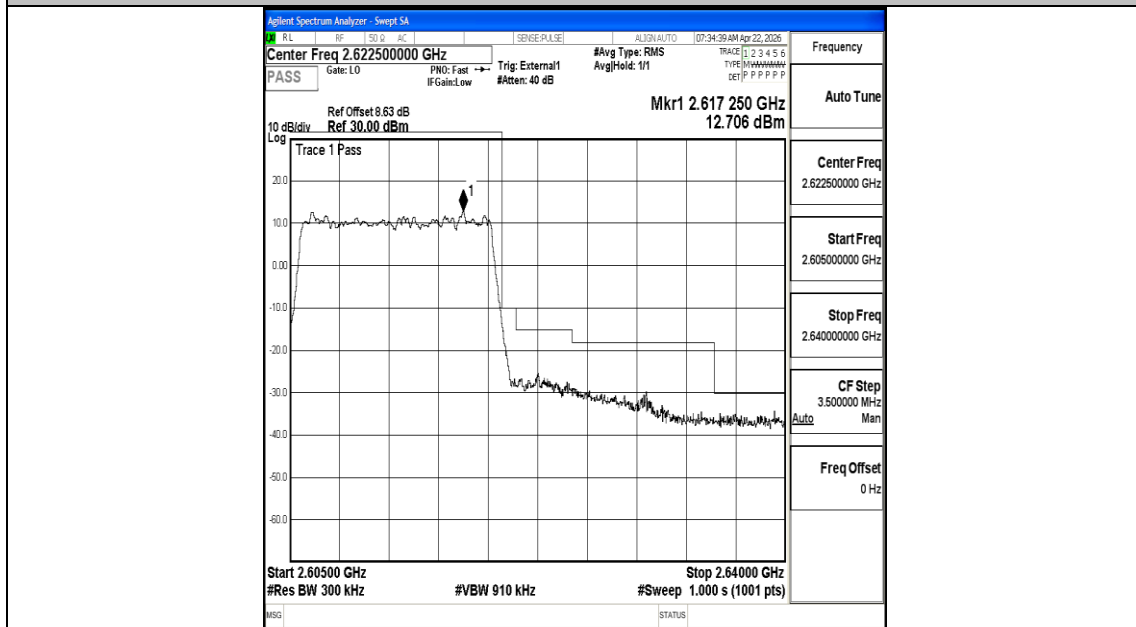
Band38_15MHz_QPSK_37825_75RB#0



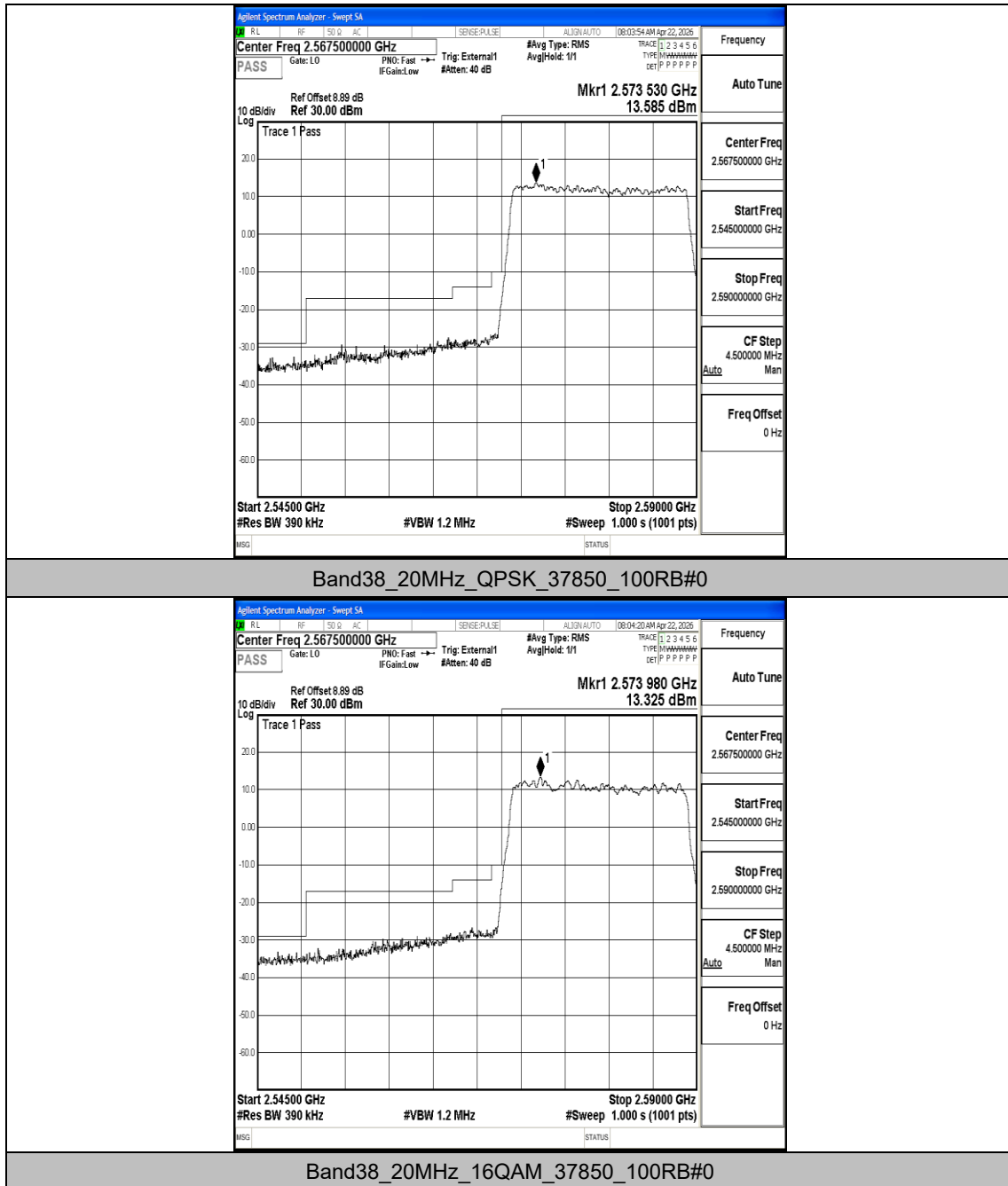
Band38_15MHz_16QAM_37825_75RB#0

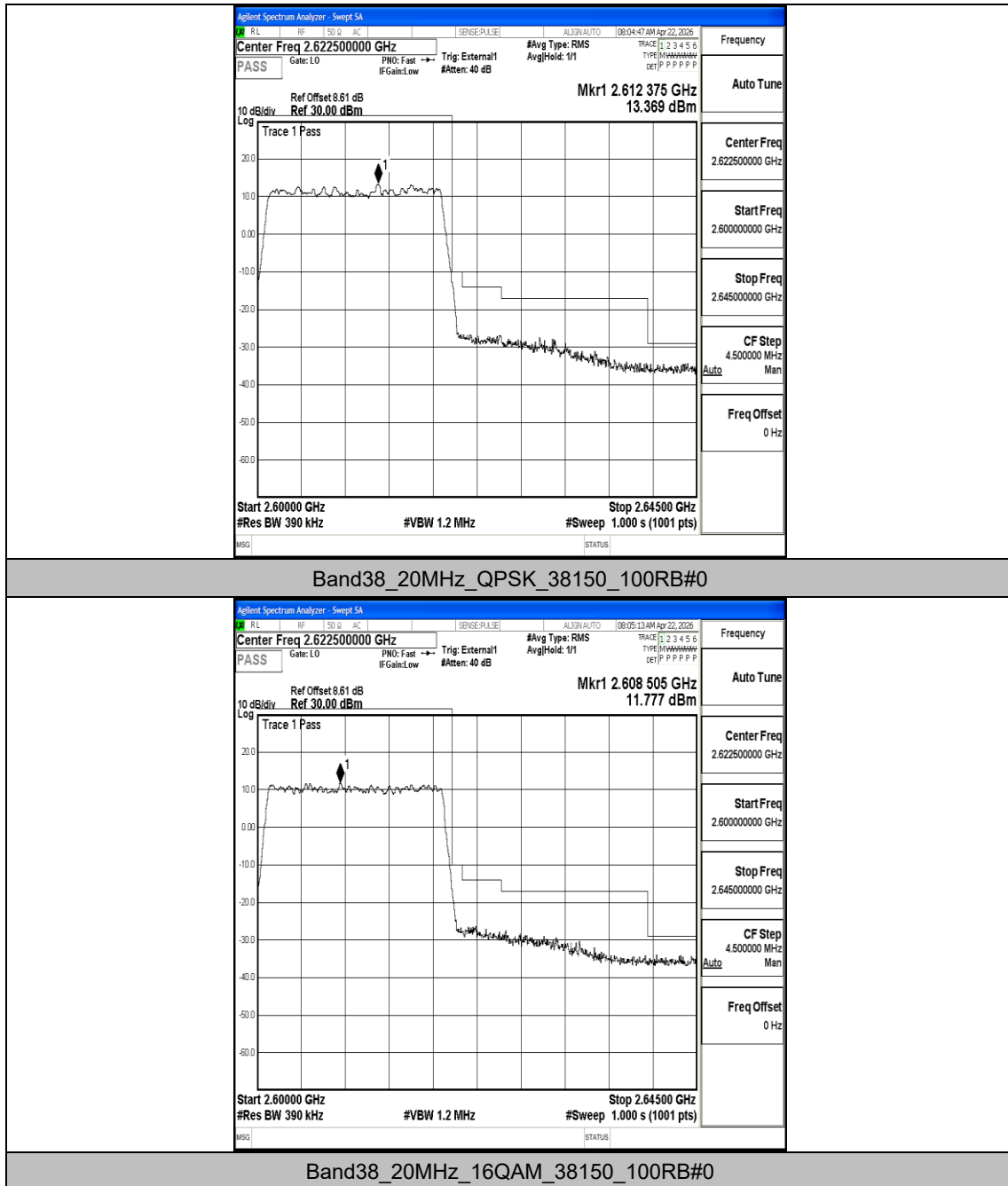


Band38_15MHz_QPSK_38175_75RB#0



Band38_15MHz_16QAM_38175_75RB#0





4 Conducted Spurious Emission

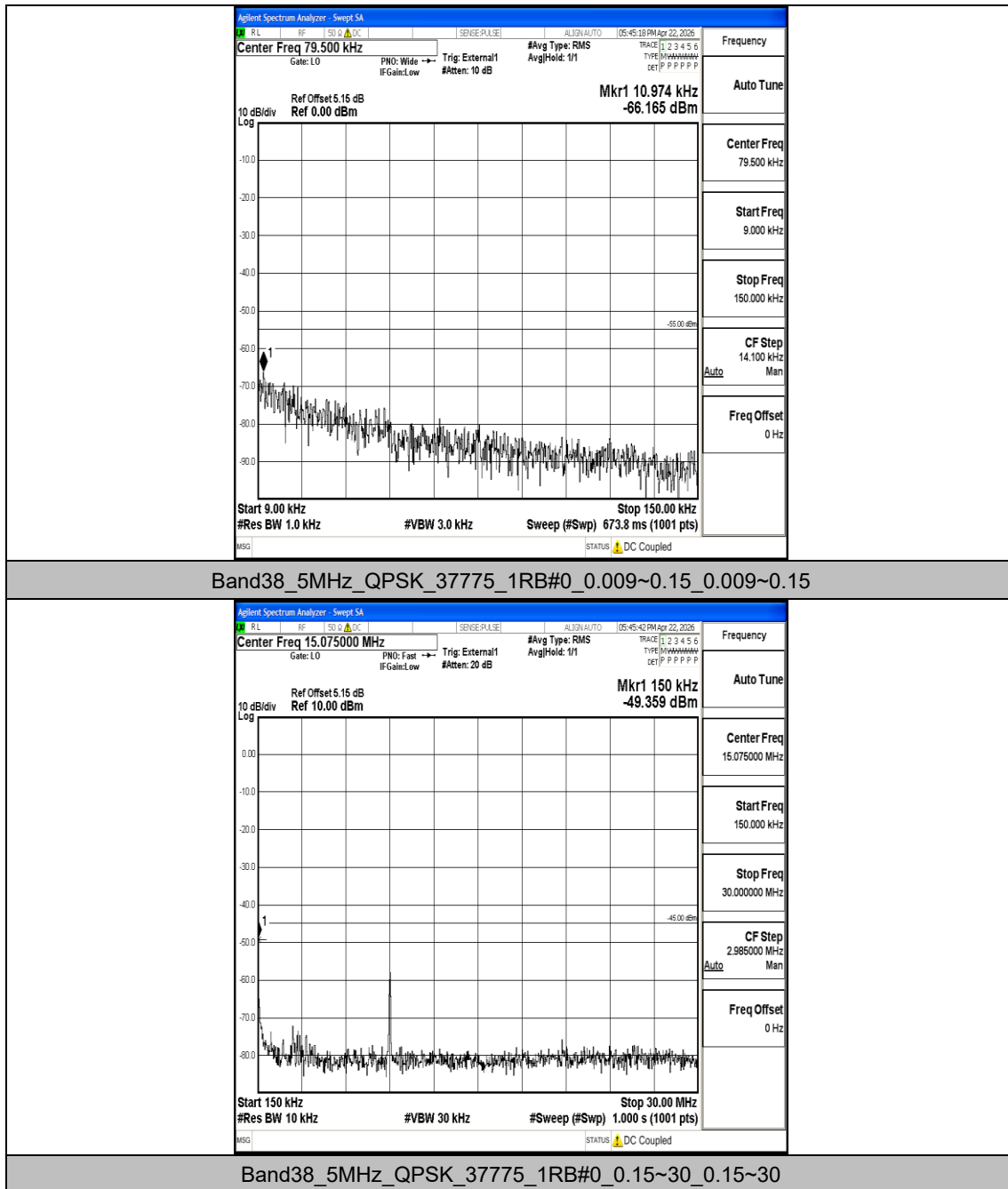
Test Result

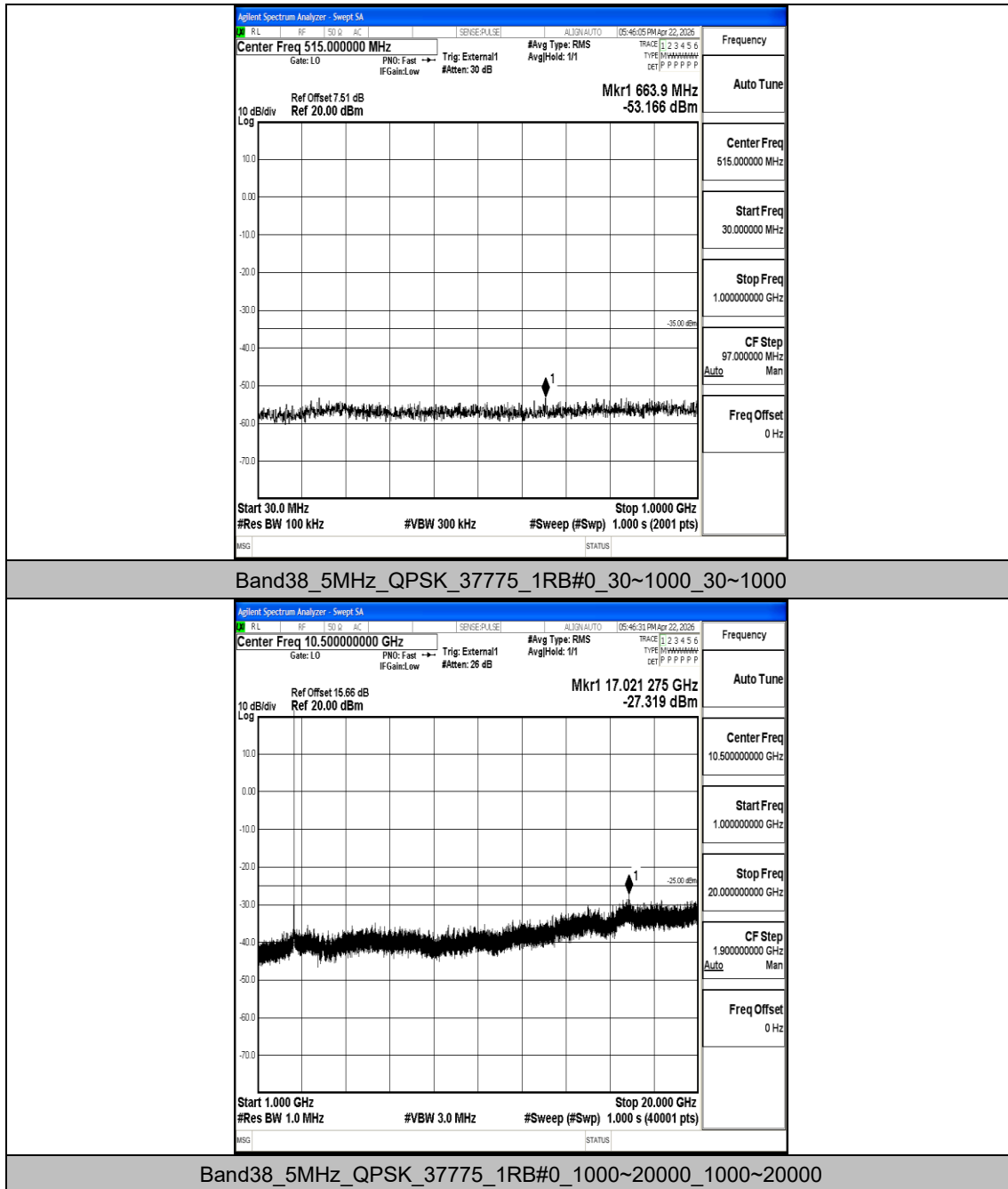
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-66.17	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-49.36	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-53.17	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-27.32	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-36.12	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-65.76	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-55.58	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-52.59	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-28.15	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-35.47	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-66.60	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-52.62	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-52.11	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-28.13	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-36.30	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-64.94	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-52.76	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-52.56	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-28.26	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-36.22	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-65.41	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-55.61	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-52.95	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-28.17	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-35.65	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-65.15	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-56.36	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-52.23	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-28.38	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-35.74	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-65.05	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-56.08	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-52.68	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-27.94	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-35.91	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-64.87	PASS

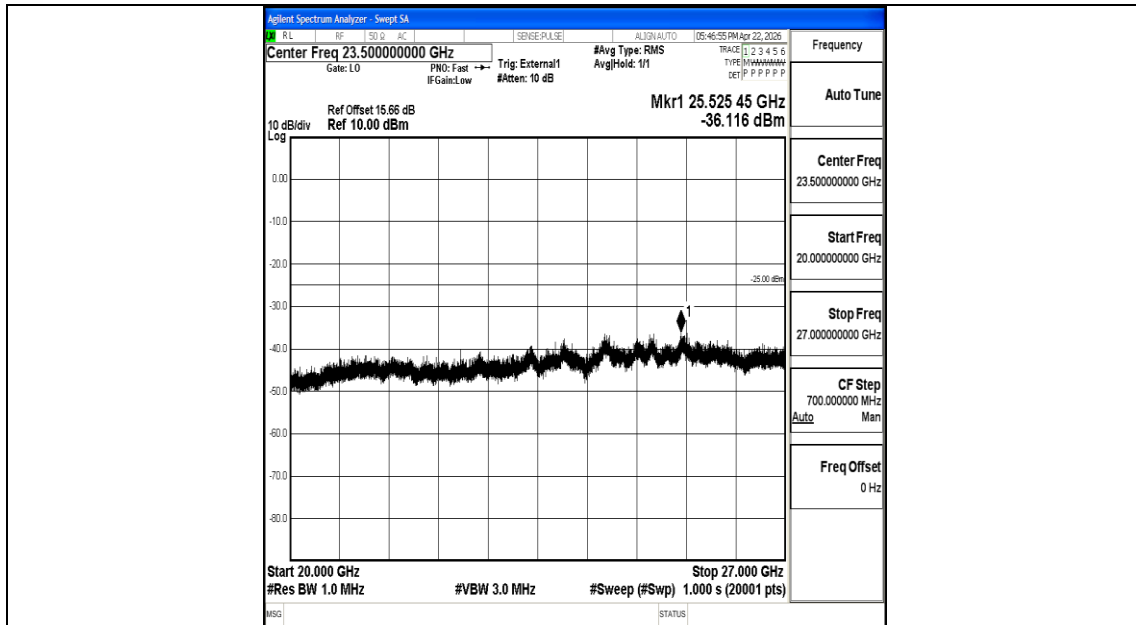
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-54.02	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-52.71	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-27.78	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-35.68	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-65.54	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-52.88	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-52.84	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-26.67	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-35.75	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-66.07	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-50.34	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-52.94	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-27.83	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-36.16	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-66.56	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-55.12	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-53.25	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-28.11	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-36.36	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-65.68	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-55.24	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-52.77	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-27.88	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-36.03	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-65.18	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-52.57	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-52.93	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-28.55	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-36.06	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-64.31	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-55.30	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-53.01	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-28.45	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-34.88	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-66.52	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-56.10	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-52.73	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-28.24	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-35.40	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-65.65	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-55.68	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	-52.11	PASS
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-28.06	PASS

Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-35.67	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-63.98	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-53.56	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-53.18	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-28.27	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-36.45	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-66.17	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-54.42	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-51.79	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-27.75	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-36.62	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-65.13	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-55.12	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-53.37	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-28.04	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-35.37	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-64.02	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-54.29	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-52.76	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-28.17	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-36.36	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-64.76	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-55.06	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-52.58	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-28.59	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-35.32	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-64.64	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-54.21	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-53.12	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-27.40	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-35.83	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-64.78	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-57.37	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-52.60	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-28.16	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-36.34	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	-66.20	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.15~30	-52.29	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	-53.18	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-28.69	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-35.51	PASS

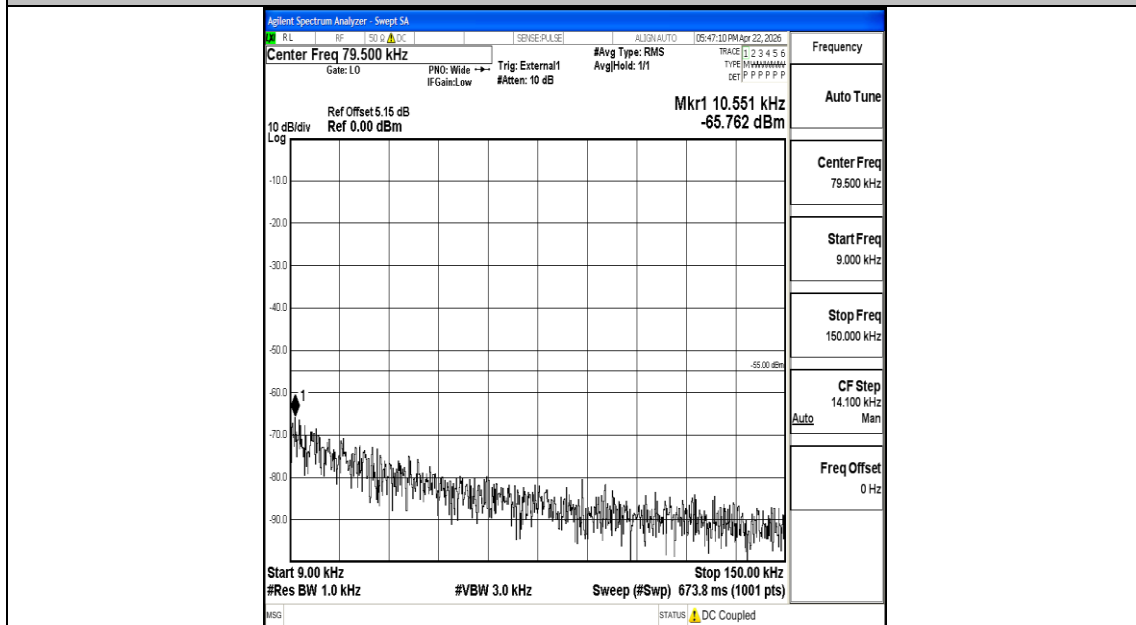
Test Graphs



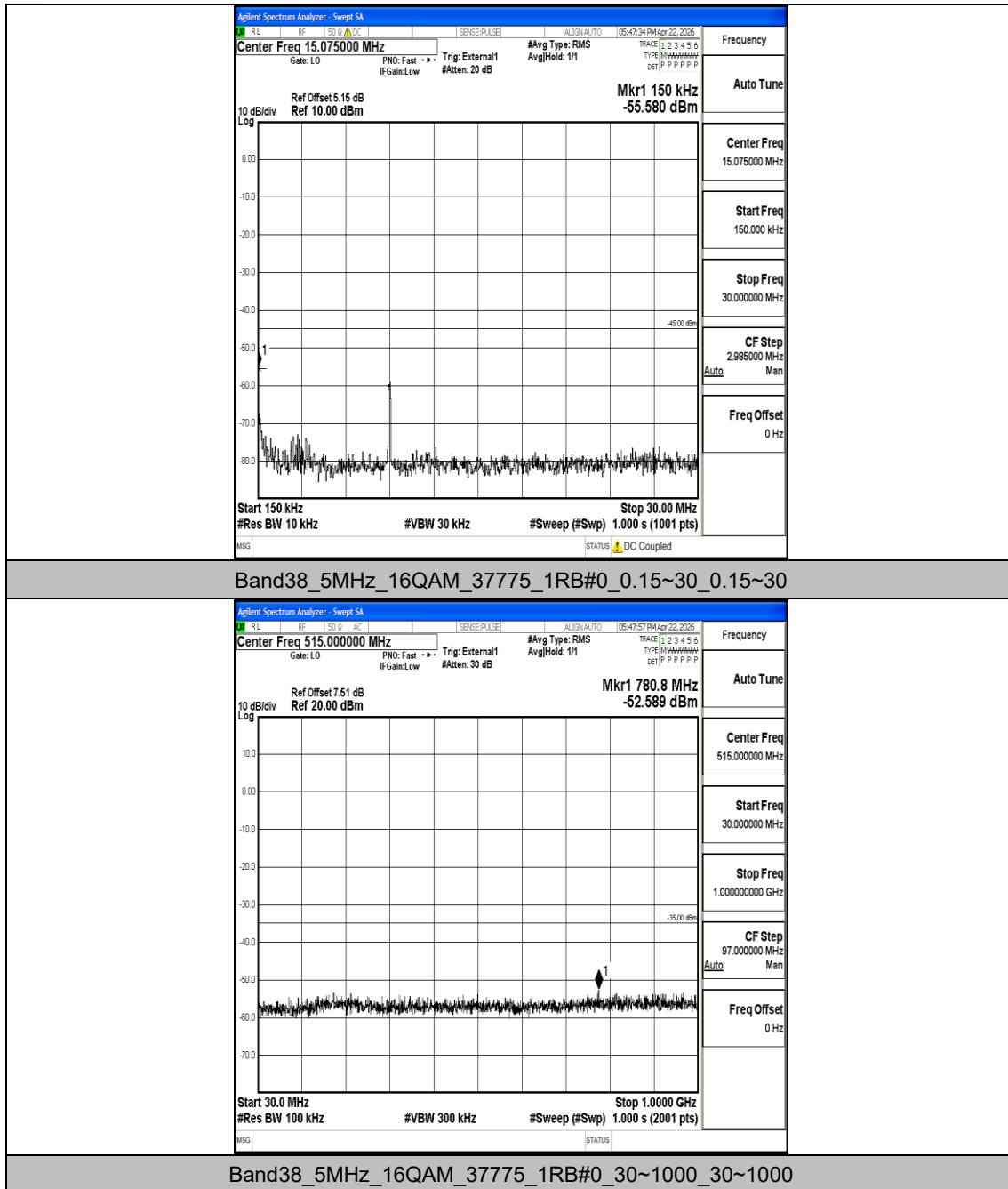


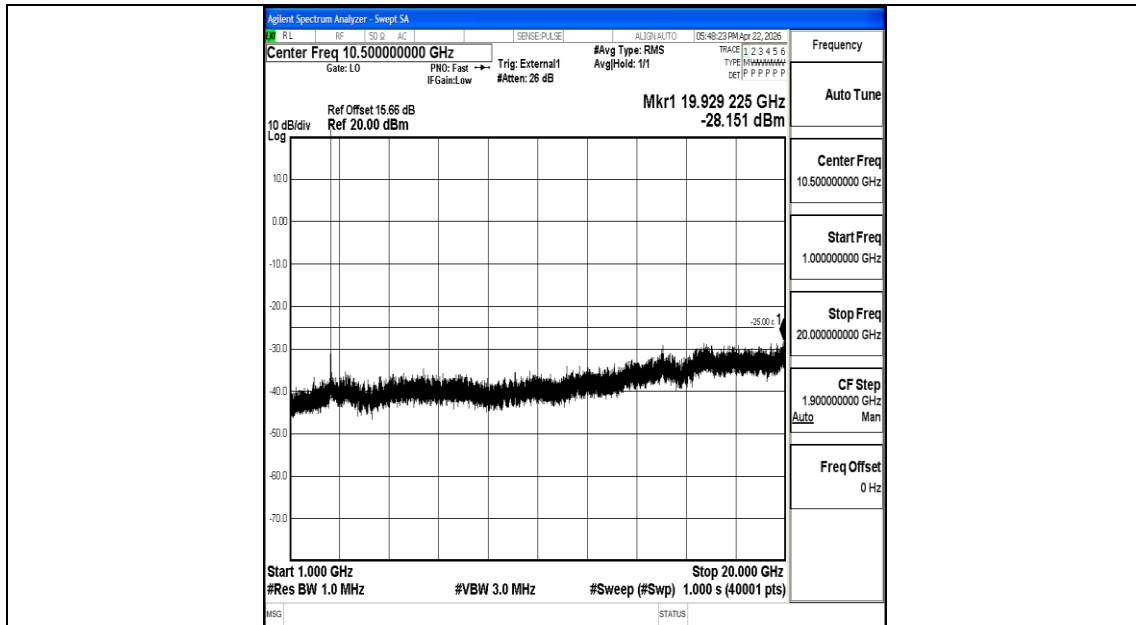


Band38_5MHz_QPSK_37775_1RB#0_20000~27000_20000~27000

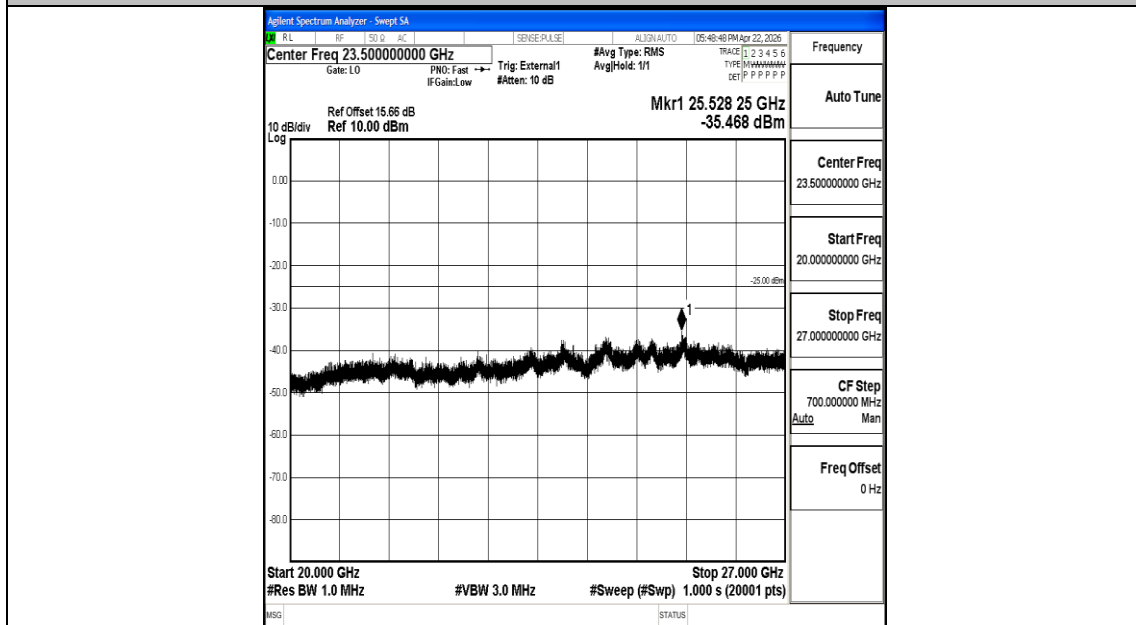


Band38_5MHz_16QAM_37775_1RB#0_0.009~0.15_0.009~0.15

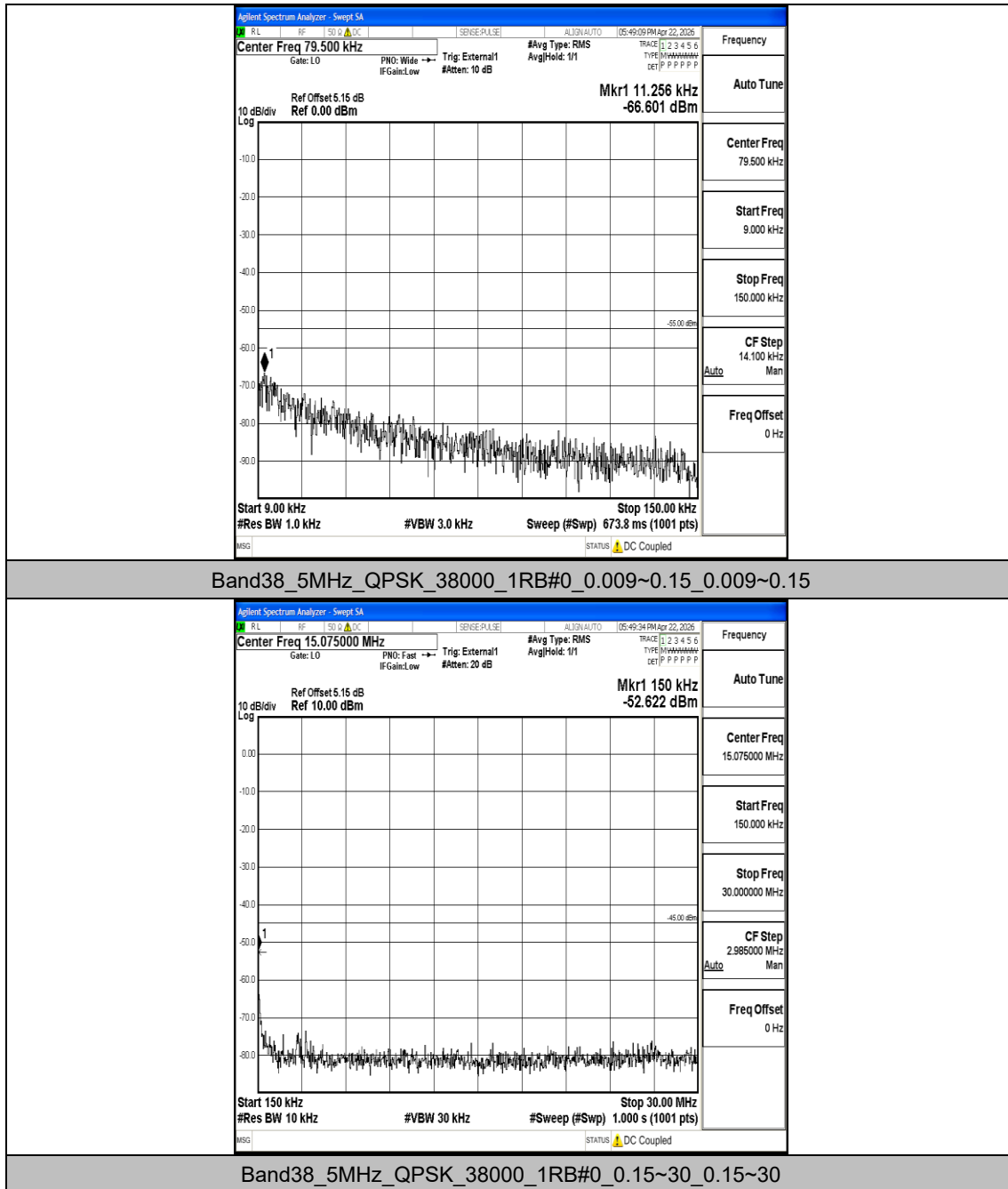


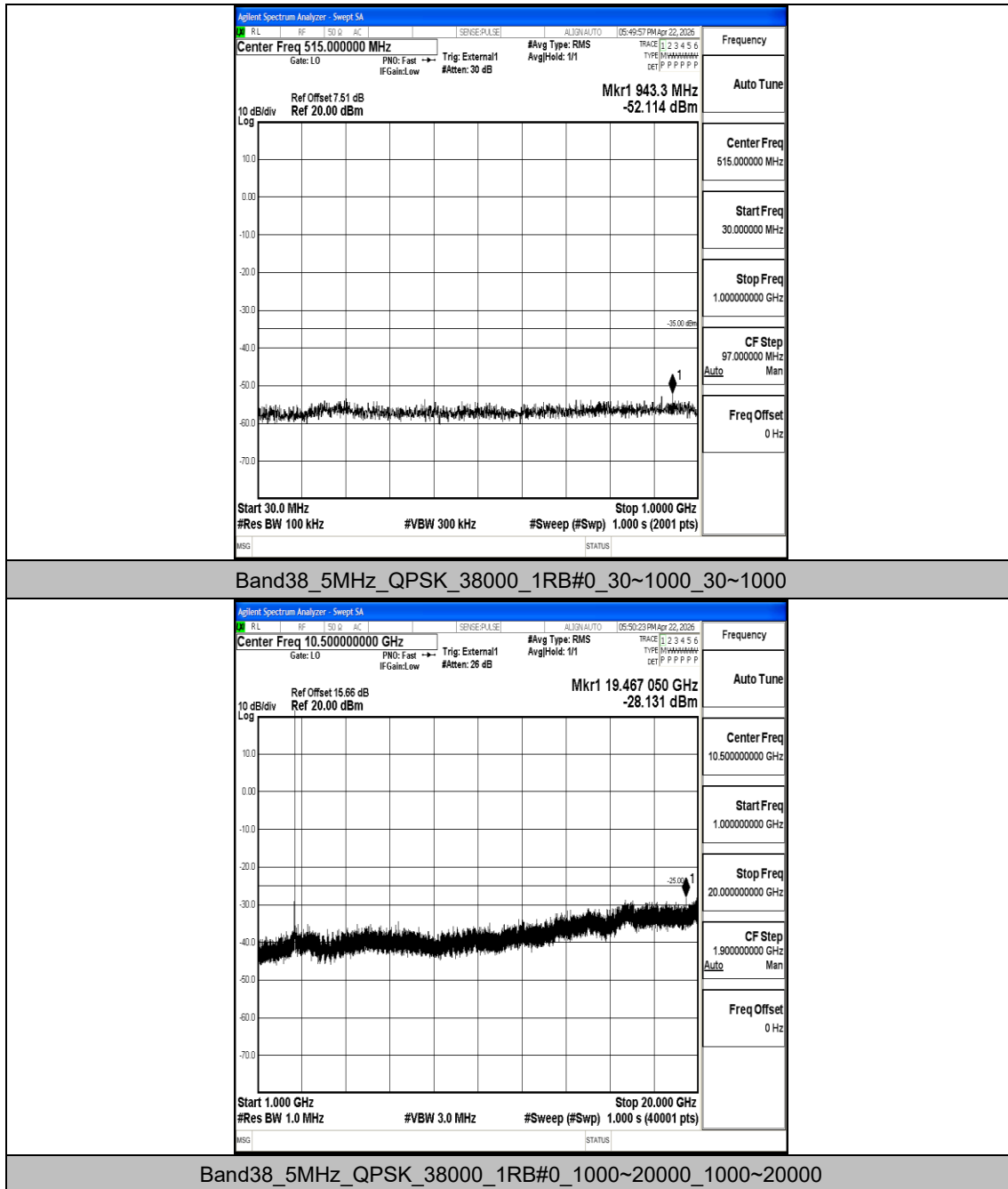


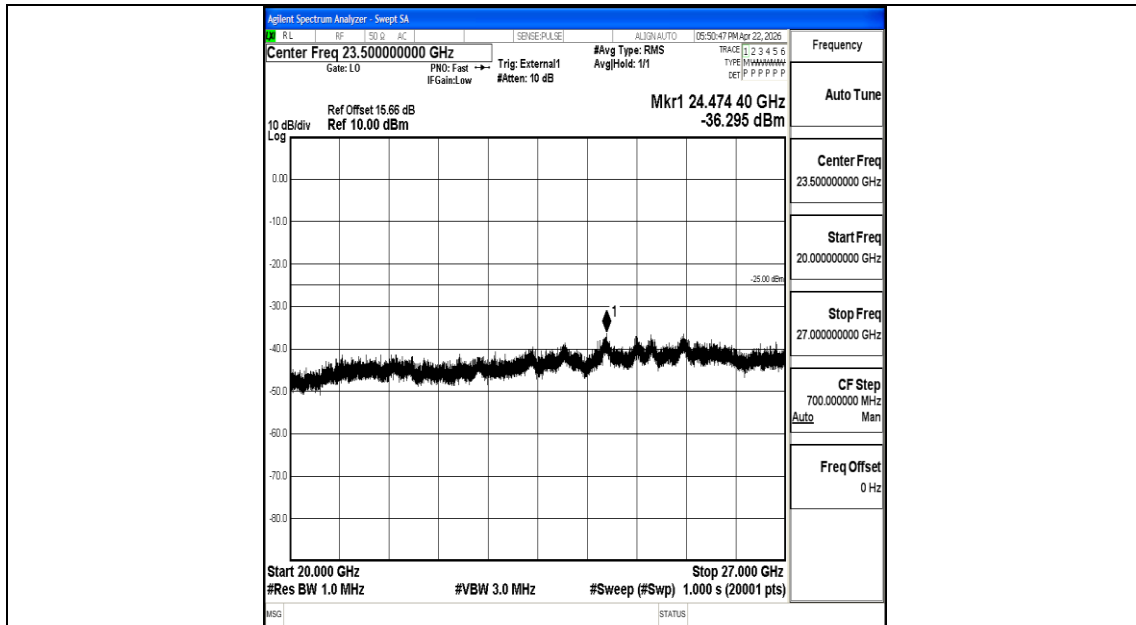
Band38_5MHz_16QAM_37775_1RB#0_1000~20000_1000~20000



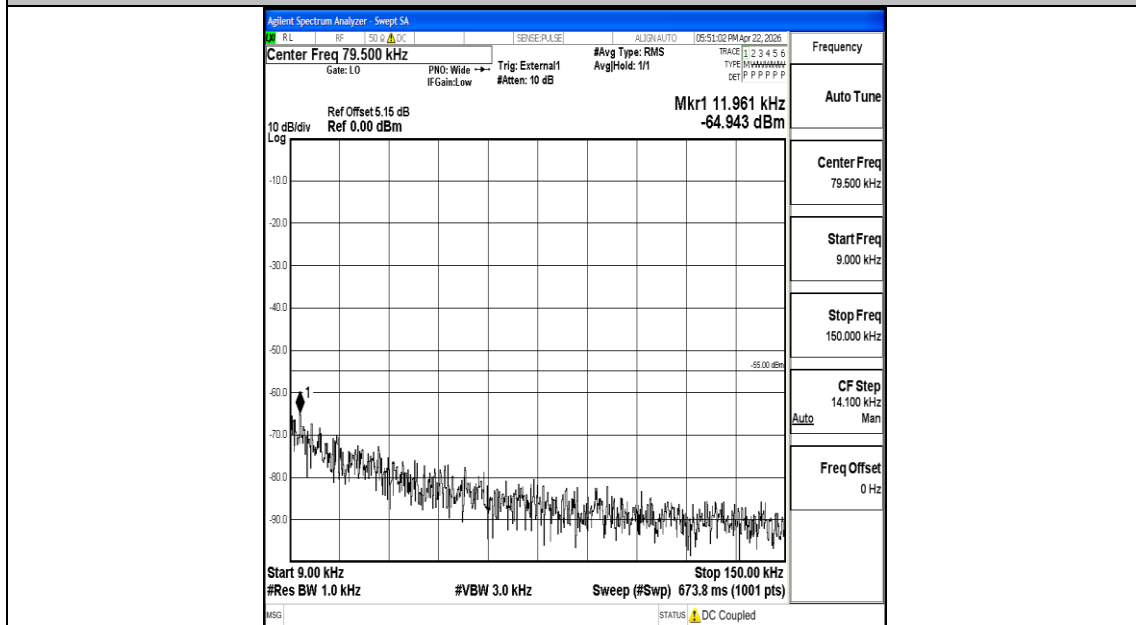
Band38_5MHz_16QAM_37775_1RB#0_20000~27000_20000~27000



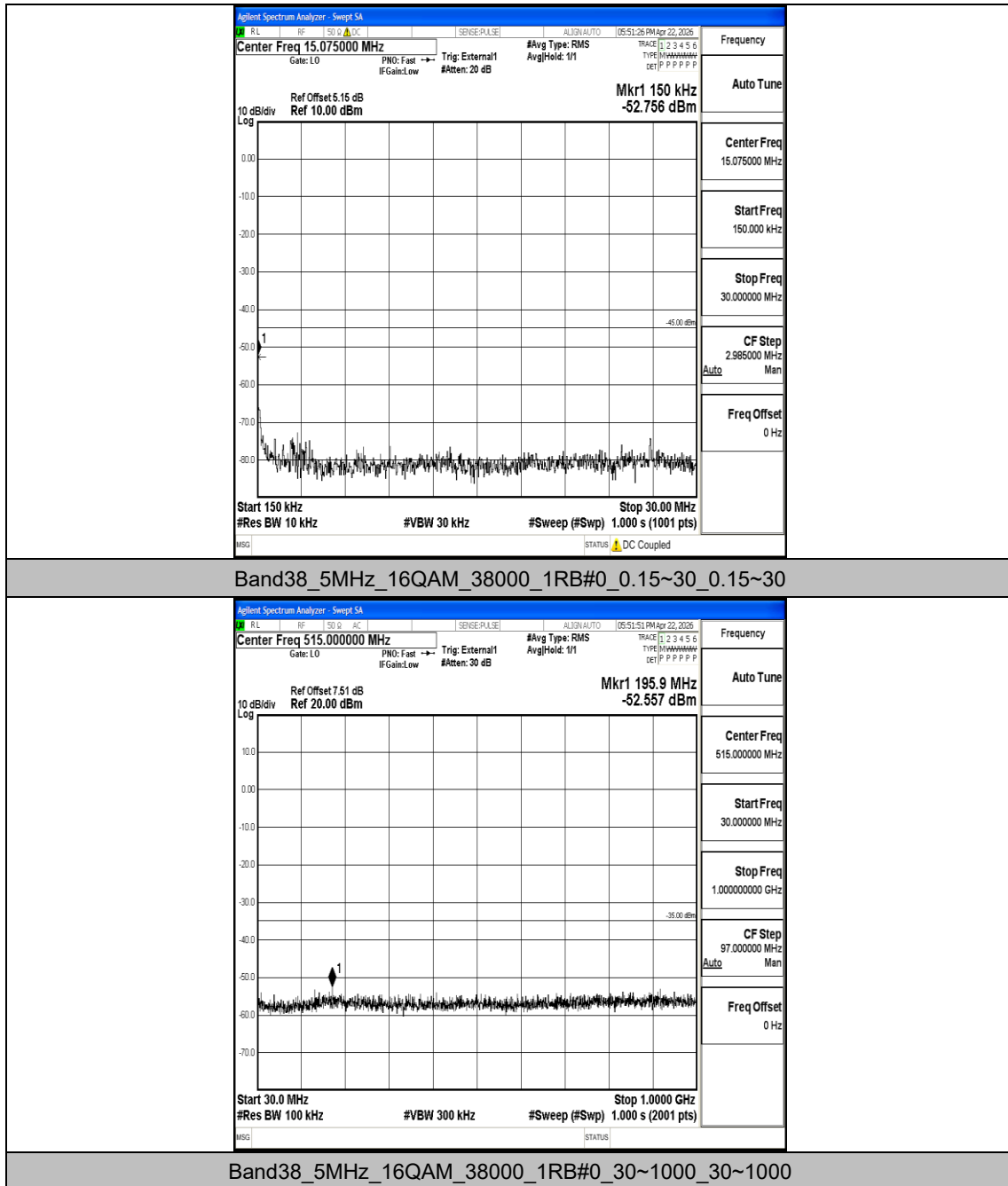


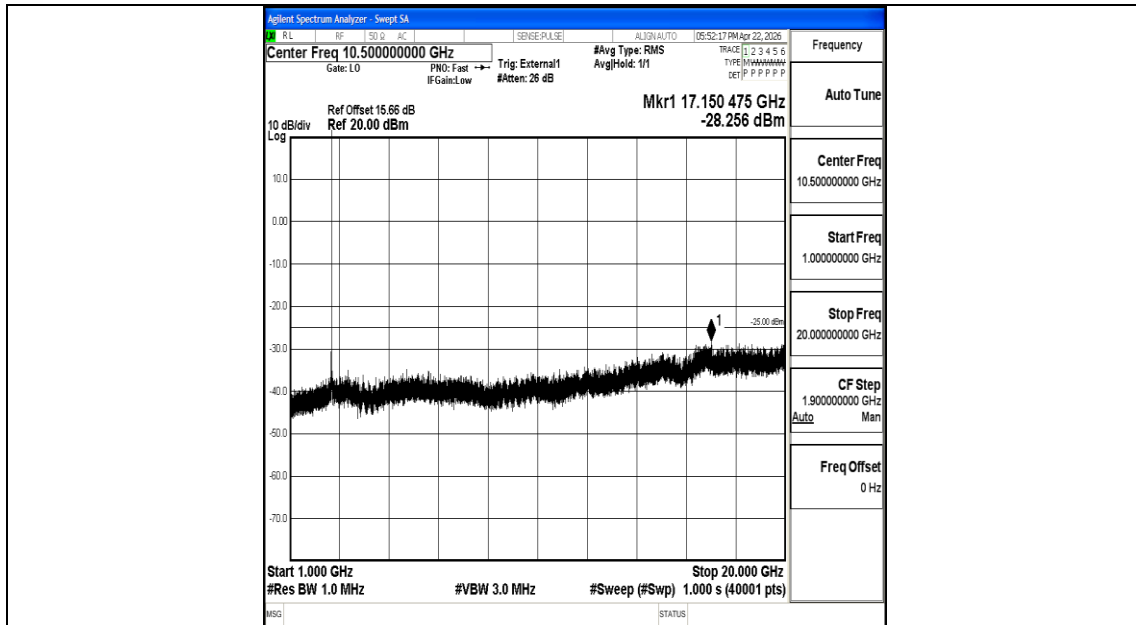


Band38_5MHz_QPSK_38000_1RB#0_20000~27000_20000~27000

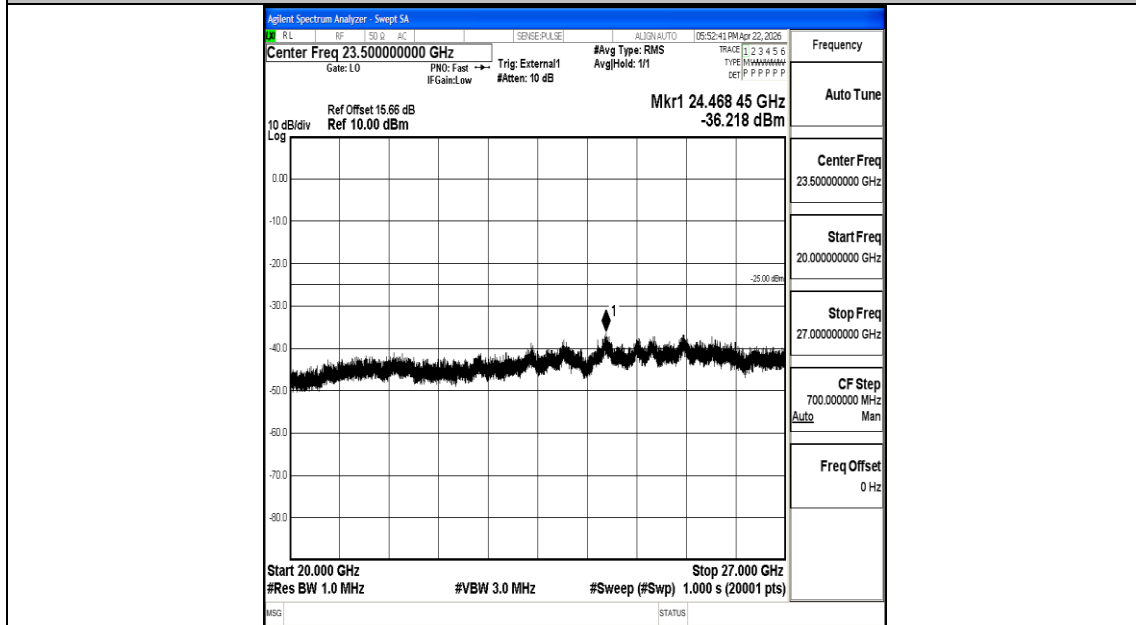


Band38_5MHz_16QAM_38000_1RB#0_0.009~0.15_0.009~0.15





Band38_5MHz_16QAM_38000_1RB#0_1000~20000_1000~20000



Band38_5MHz_16QAM_38000_1RB#0_20000~27000_20000~27000

