

LTE Band Test Data

FCC ID : 2A9LB-T30

IC : 29740-T30

Company: : Eugeria

EUT : Idem Smart Display

Model Number : T30

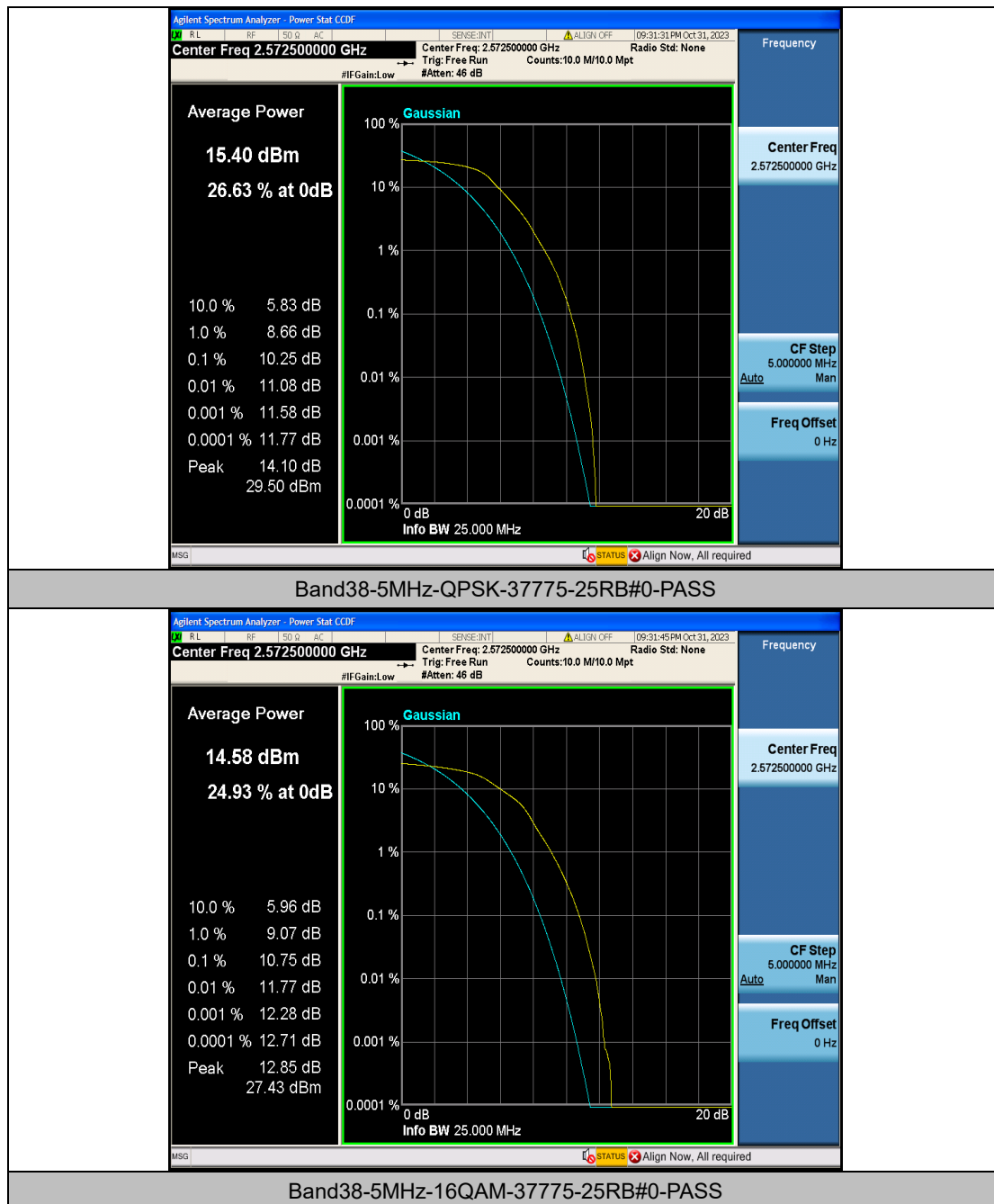
Reviewed By : Eric Wang

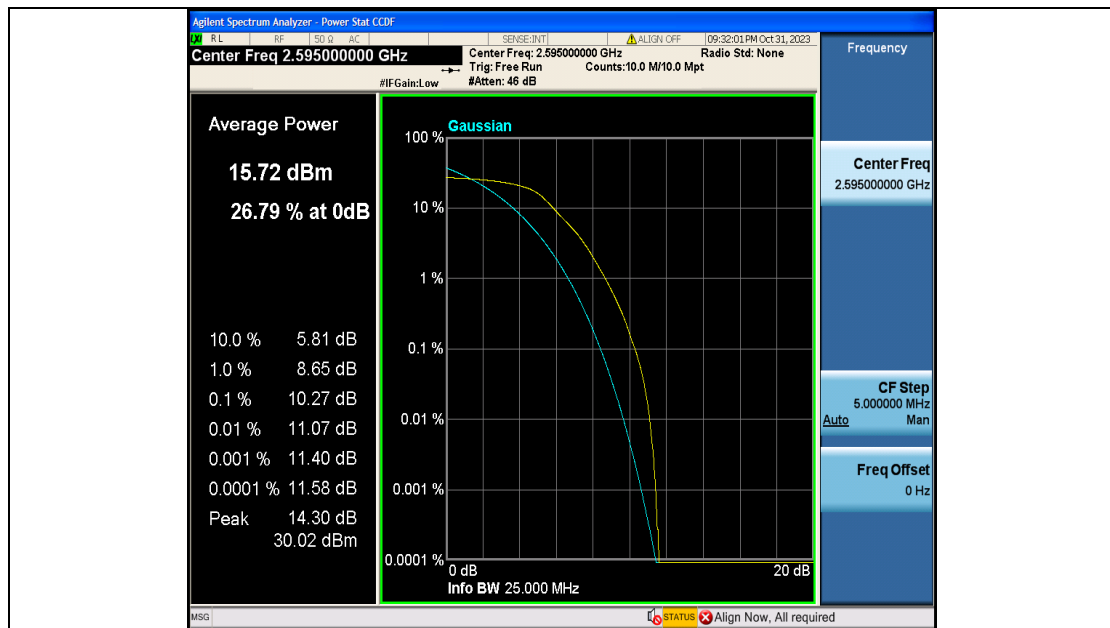
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

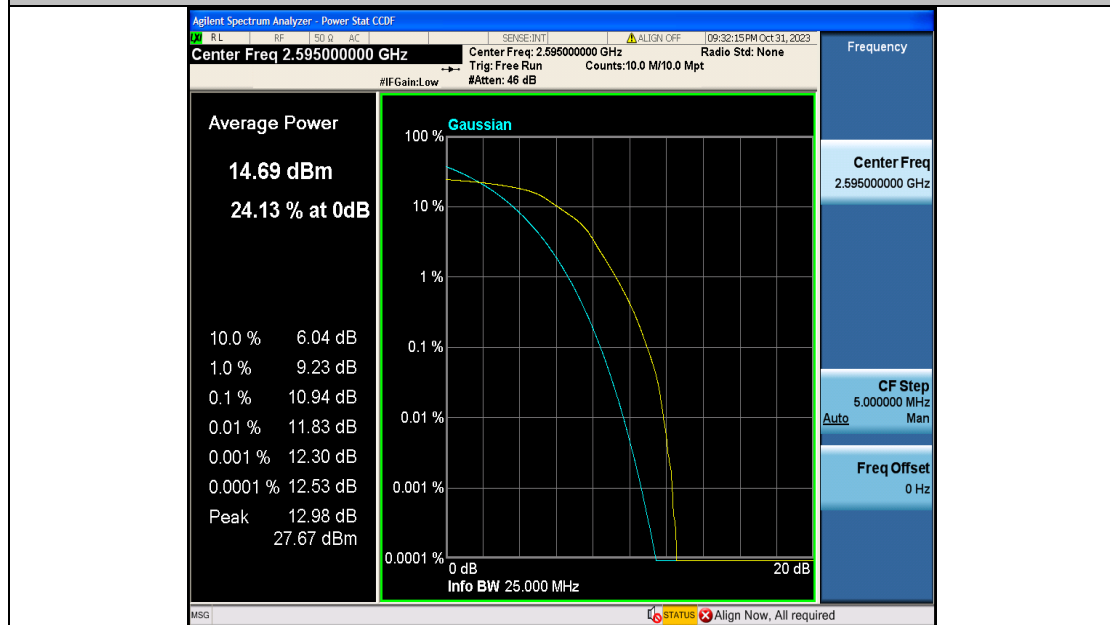
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	10.25	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	10.75	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	10.27	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	10.94	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.85	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	11.05	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	10.90	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	11.36	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	10.02	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	11.15	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.75	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	10.98	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	10.64	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	11.21	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	10.26	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	11.06	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	10.61	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	10.85	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.86	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	10.85	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	10.05	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	10.81	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	10.10	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	10.75	13	PASS

Test Graphs

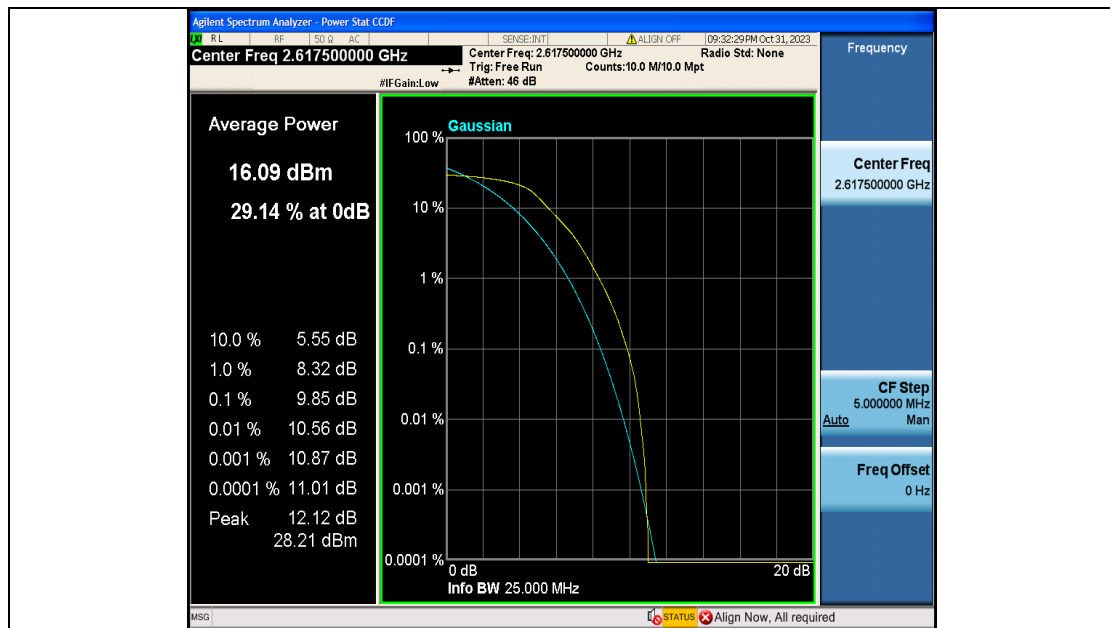




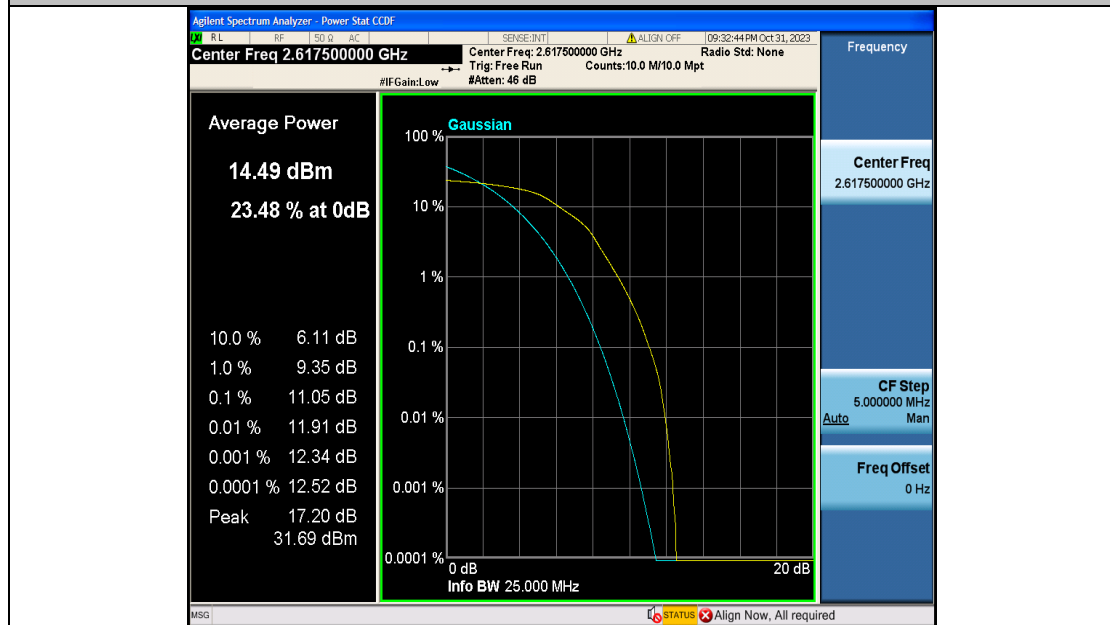
Band38-5MHz-QPSK-38000-25RB#0-PASS



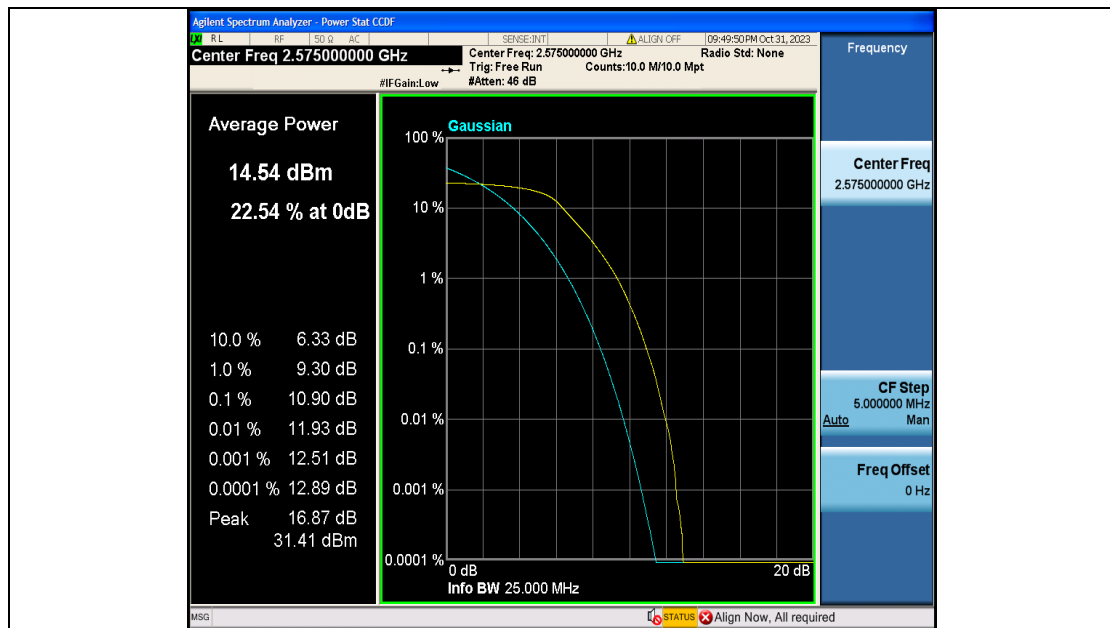
Band38-5MHz-16QAM-38000-25RB#0-PASS



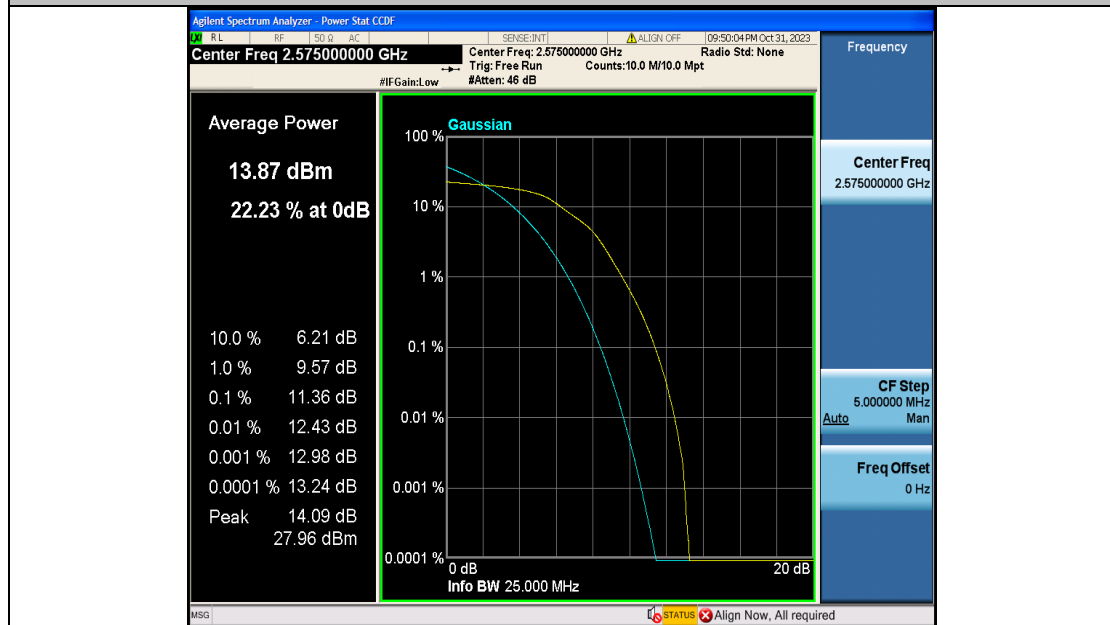
Band38-5MHz-QPSK-38225-25RB#0-PASS



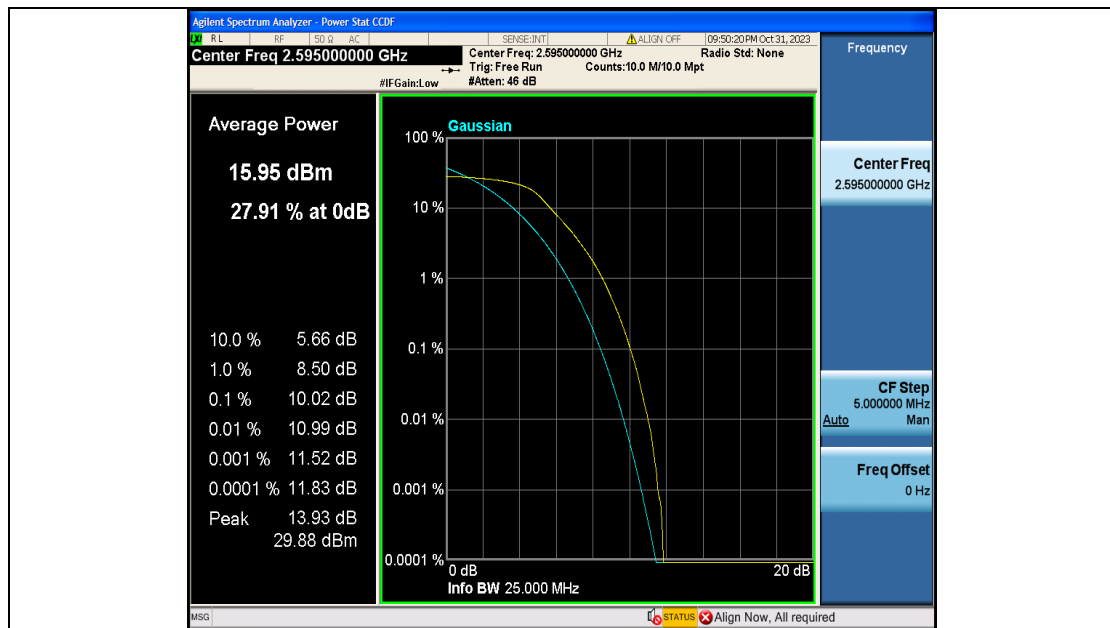
Band38-5MHz-16QAM-38225-25RB#0-PASS



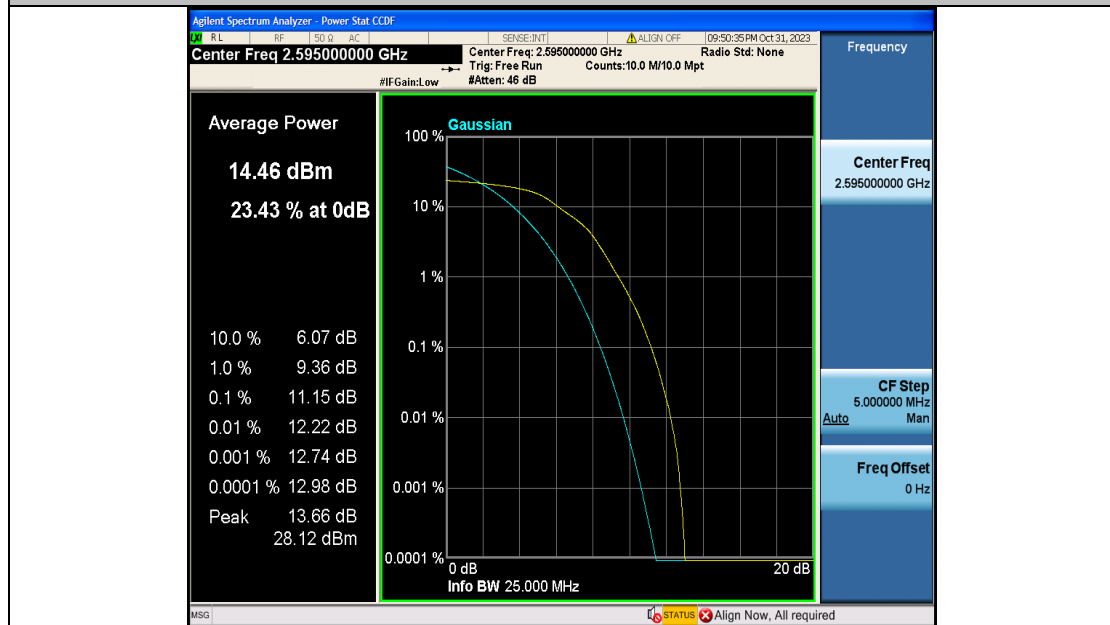
Band38-10MHz-QPSK-37800-50RB#0-PASS



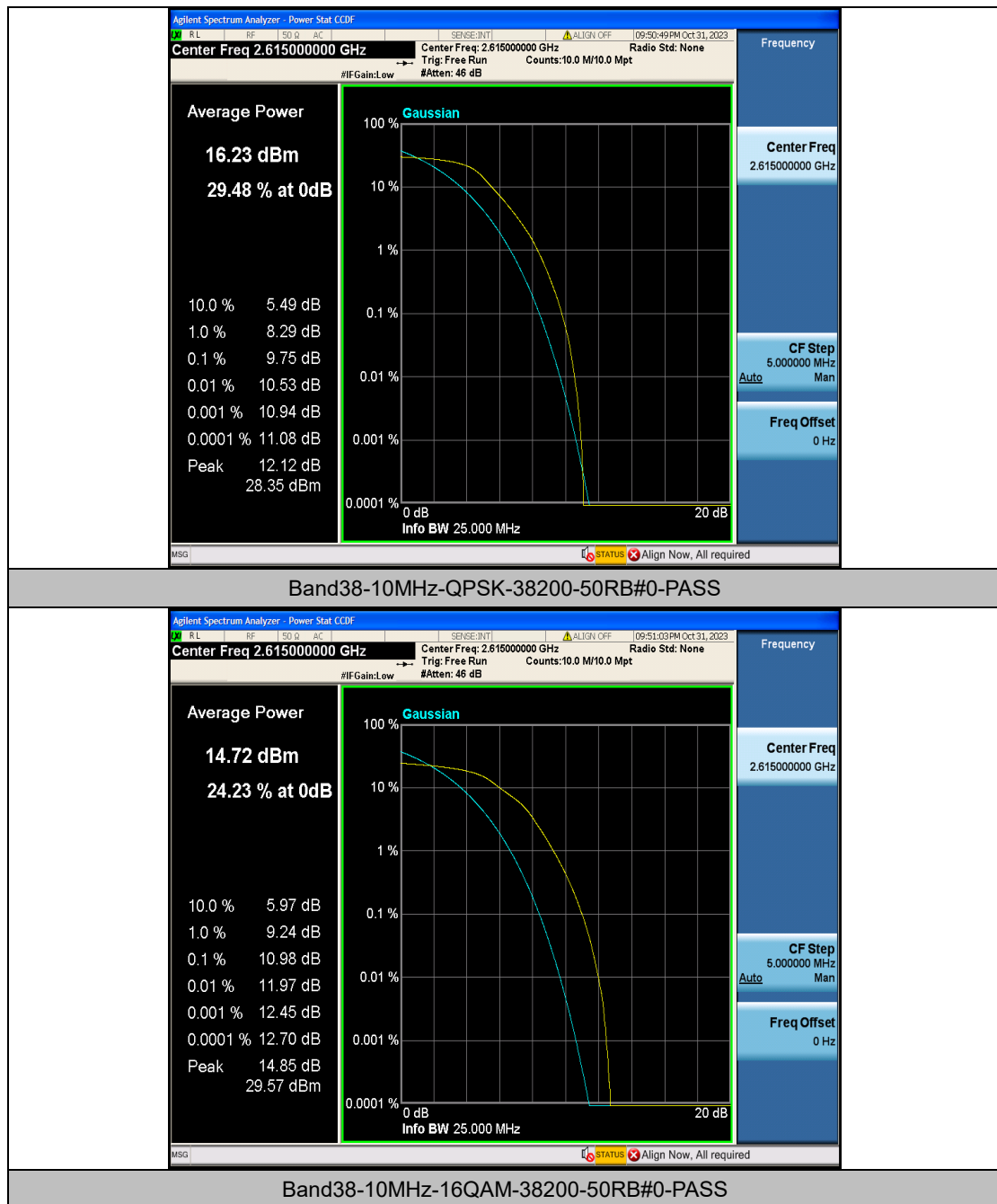
Band38-10MHz-16QAM-37800-50RB#0-PASS

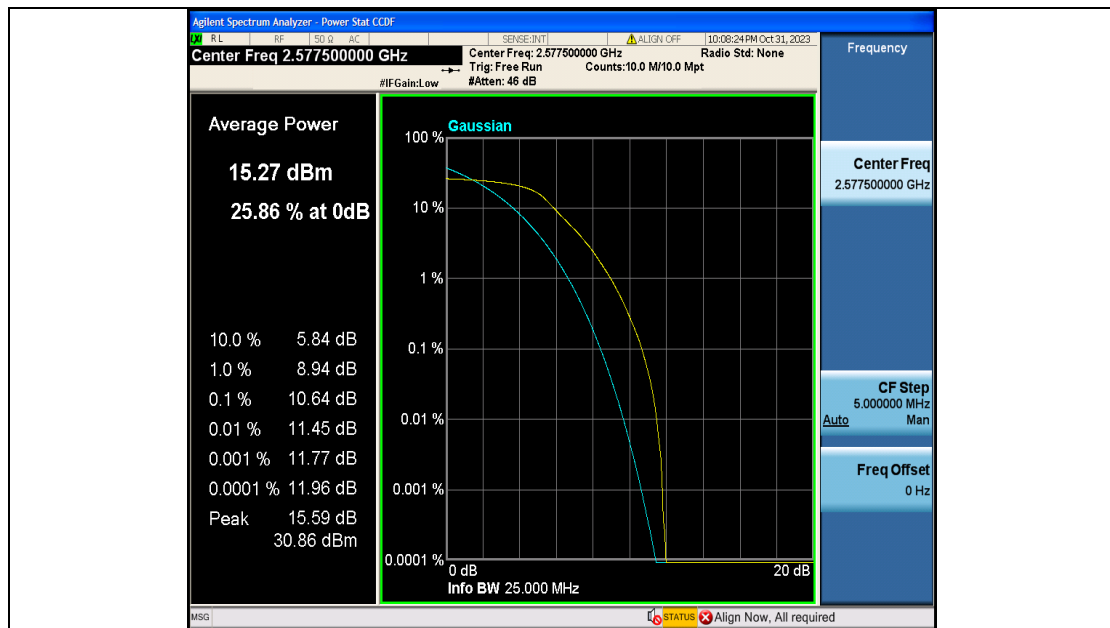


Band38-10MHz-QPSK-38000-50RB#0-PASS

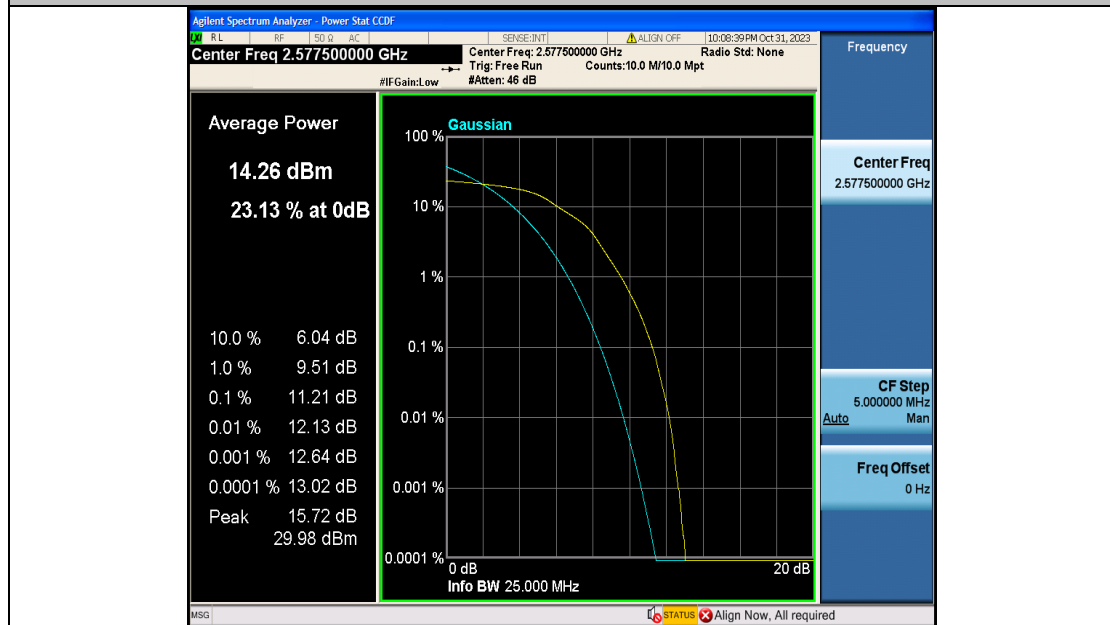


Band38-10MHz-16QAM-38000-50RB#0-PASS

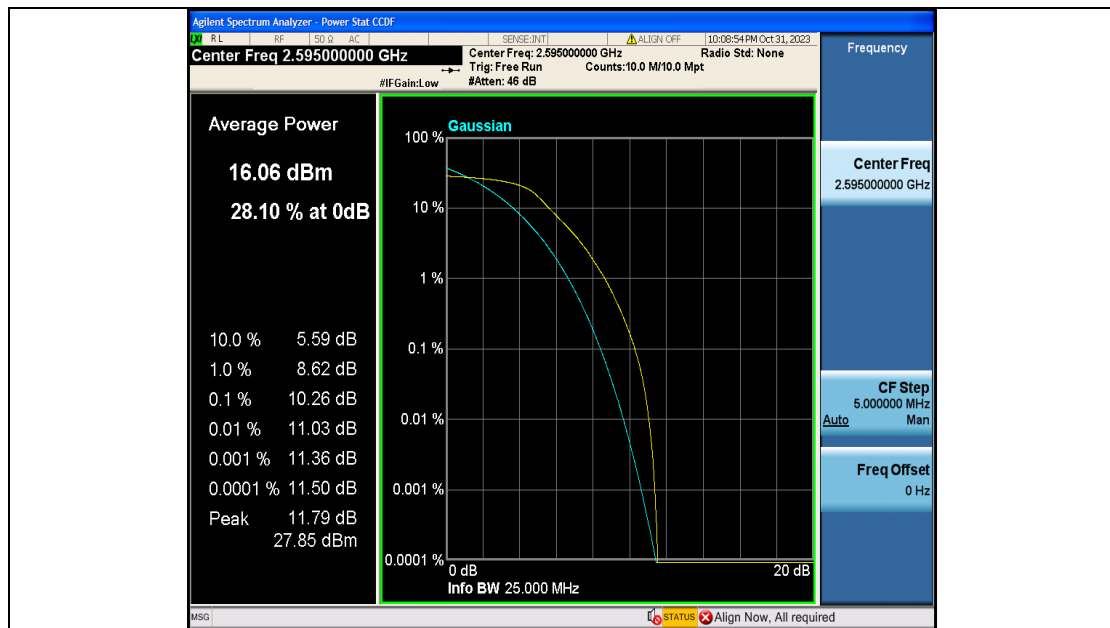




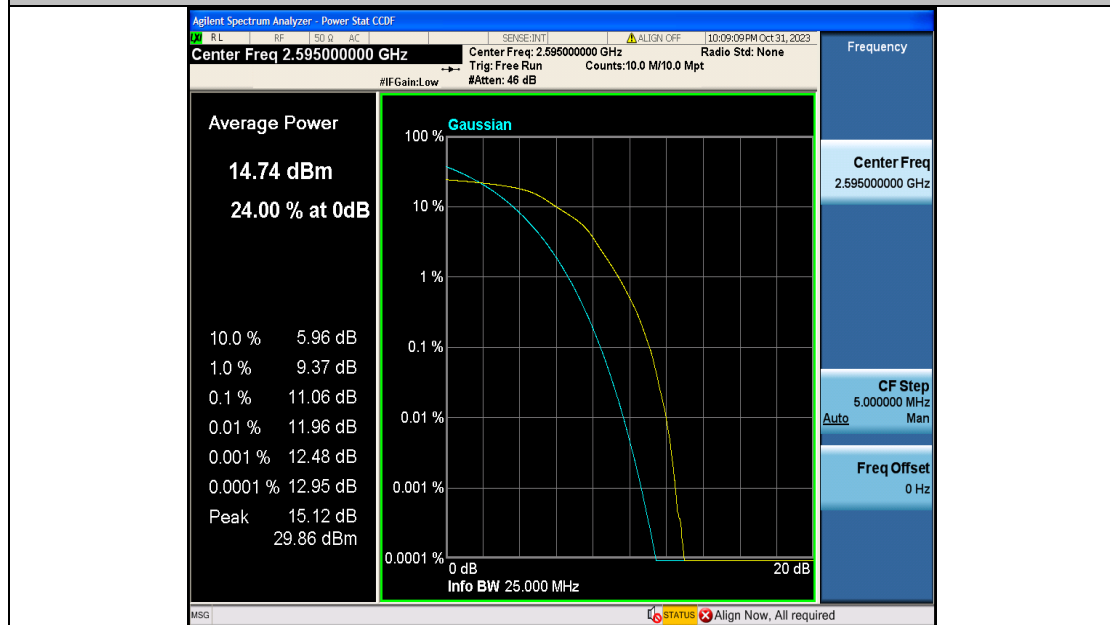
Band38-15MHz-QPSK-37825-75RB#0-PASS



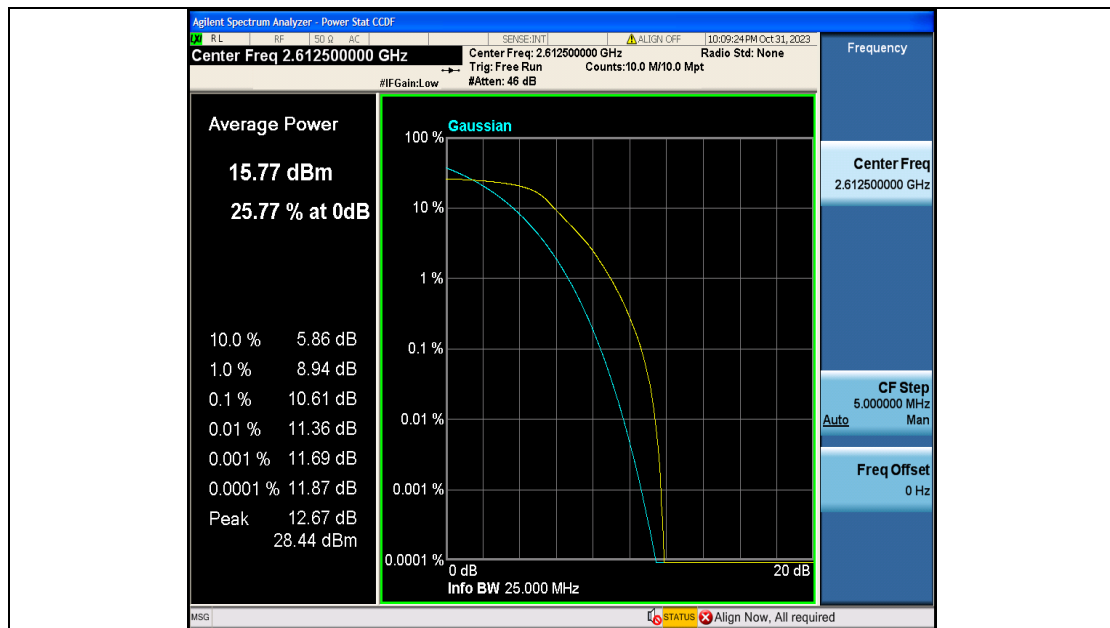
Band38-15MHz-16QAM-37825-75RB#0-PASS



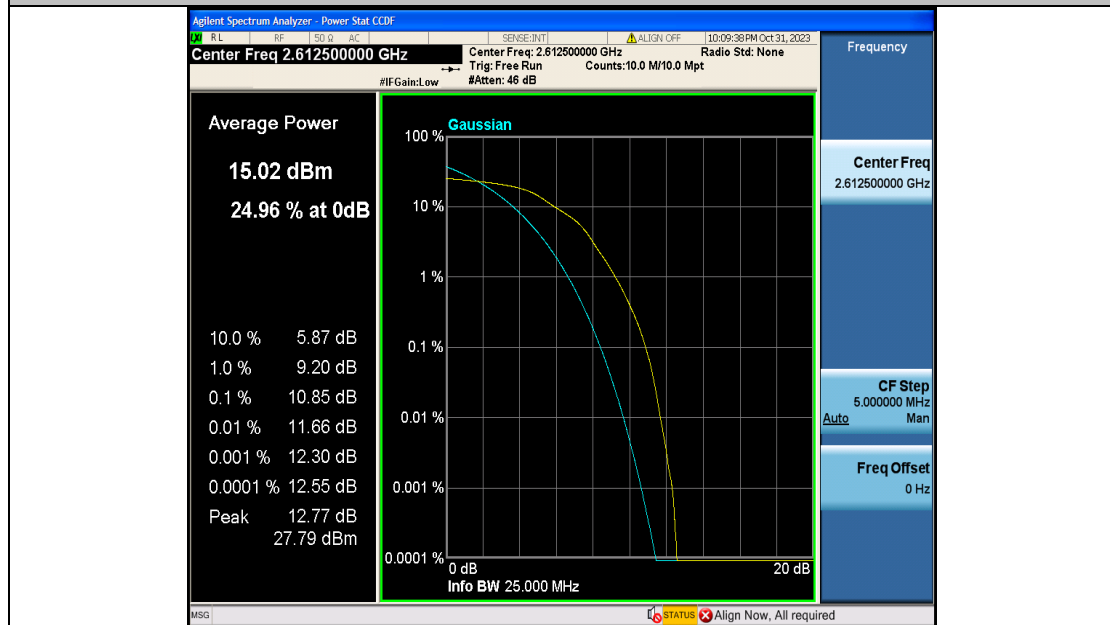
Band38-15MHz-QPSK-38000-75RB#0-PASS



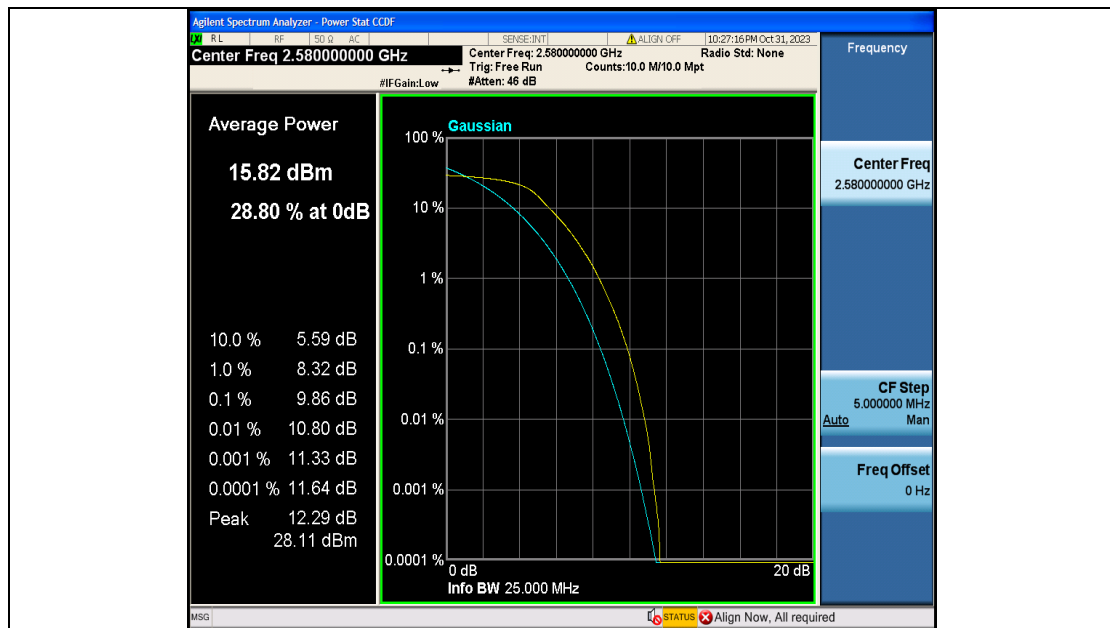
Band38-15MHz-16QAM-38000-75RB#0-PASS



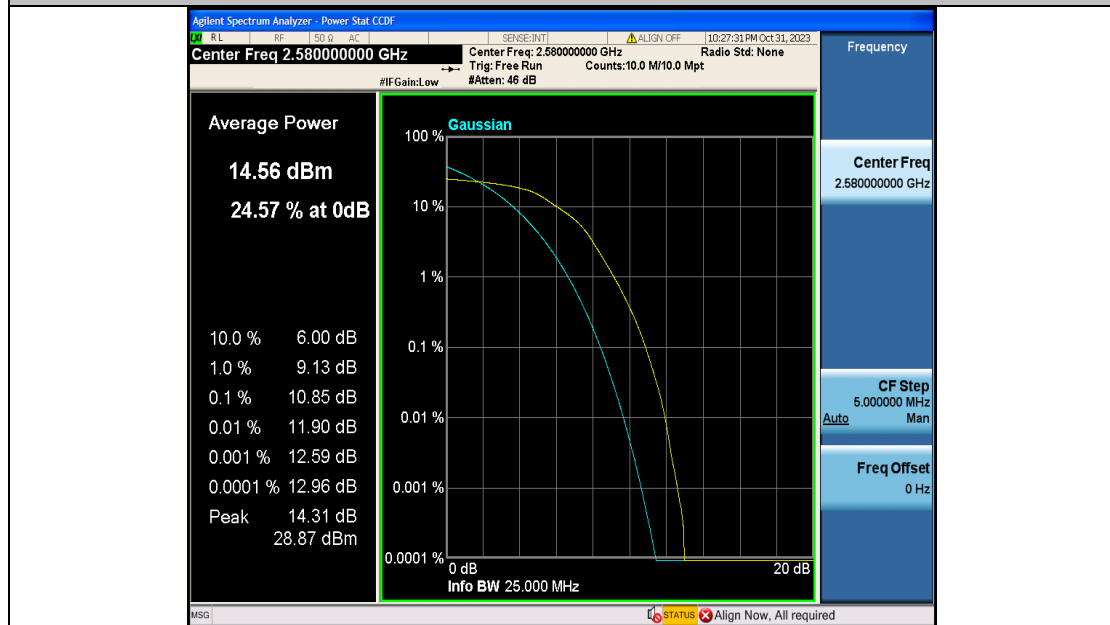
Band38-15MHz-QPSK-38175-75RB#0-PASS



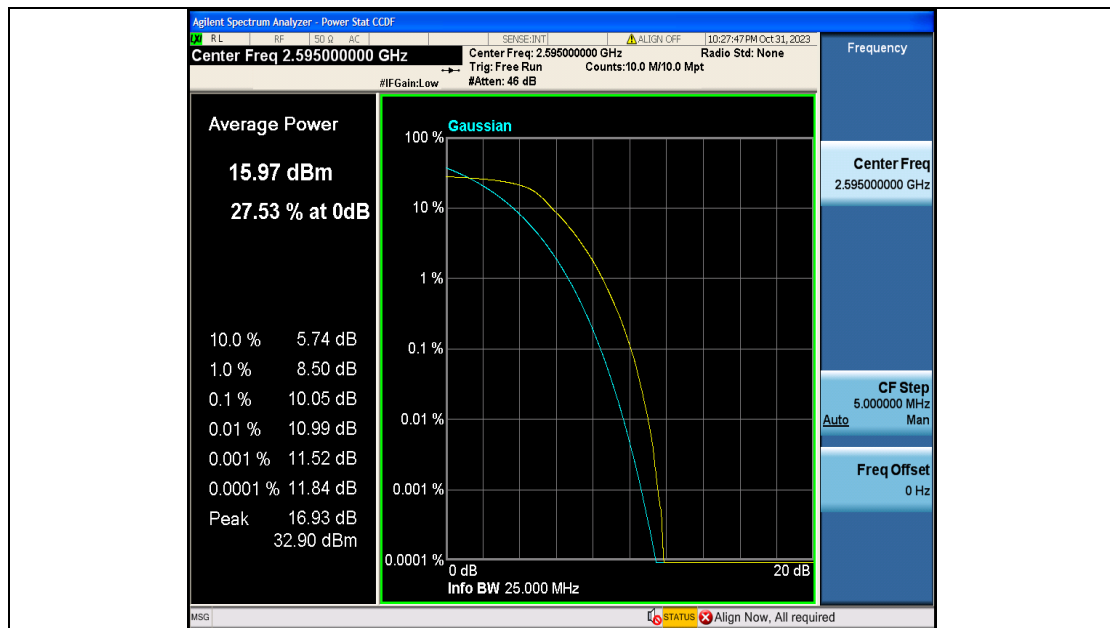
Band38-15MHz-16QAM-38175-75RB#0-PASS



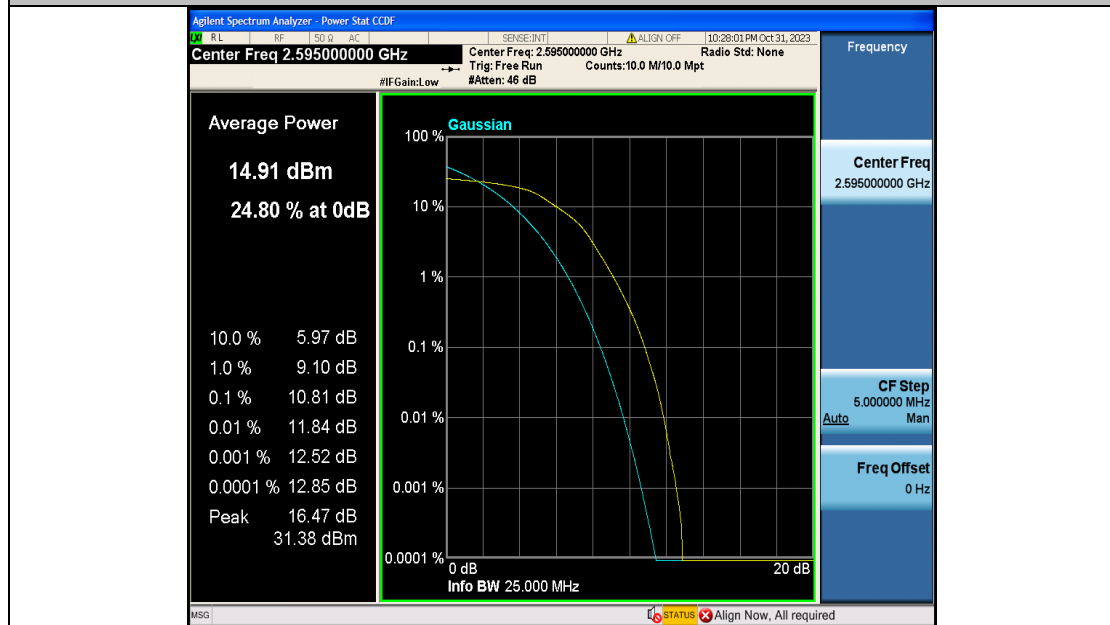
Band38-20MHz-QPSK-37850-100RB#0-PASS



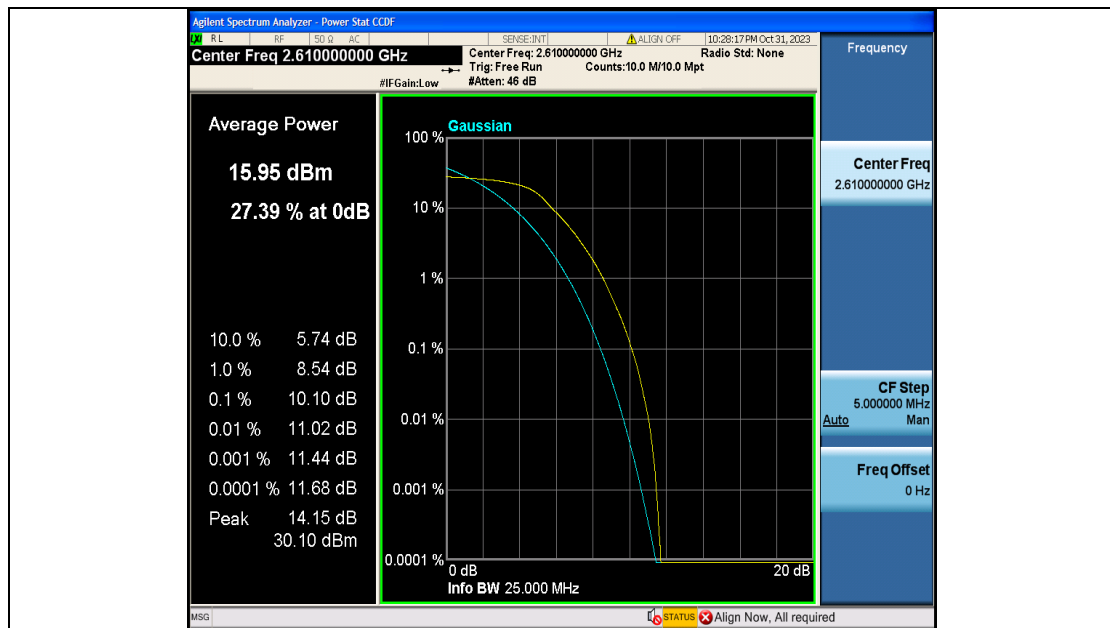
Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS



Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



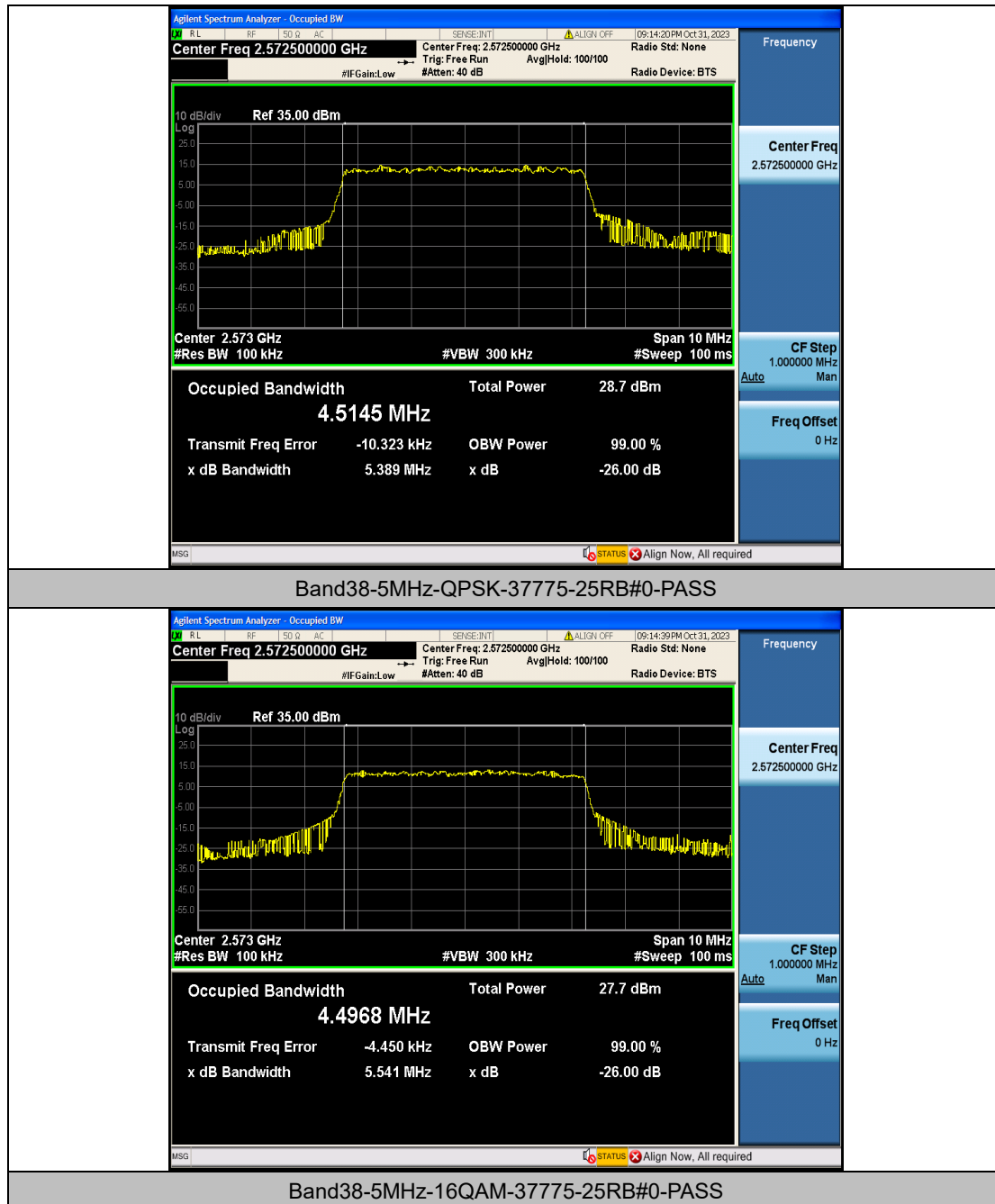
Band38-20MHz-16QAM-38150-100RB#0-PASS

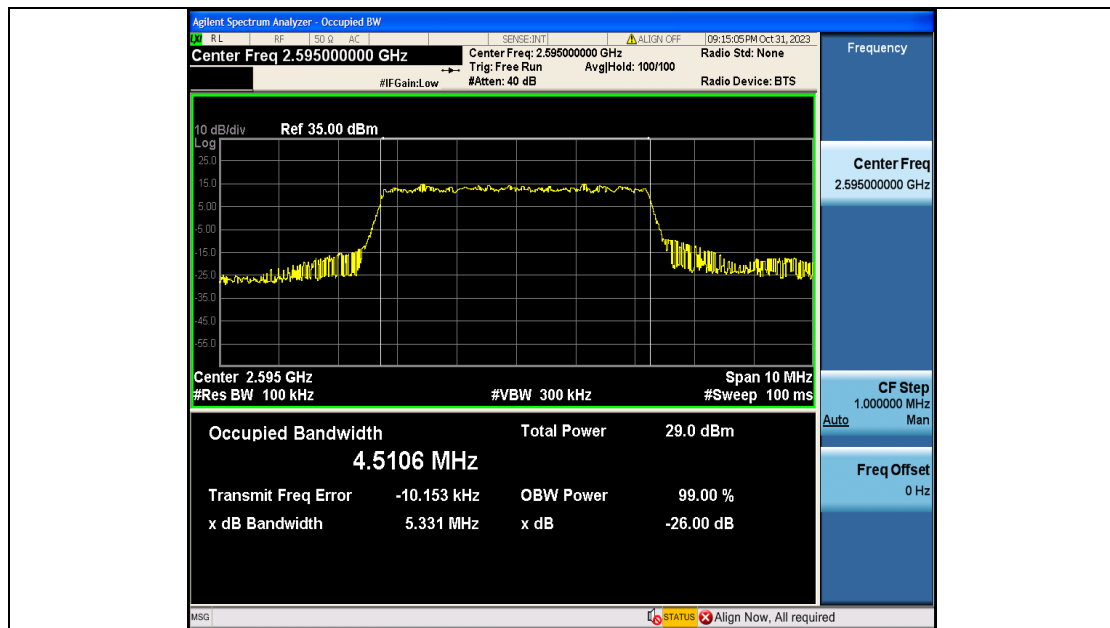
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

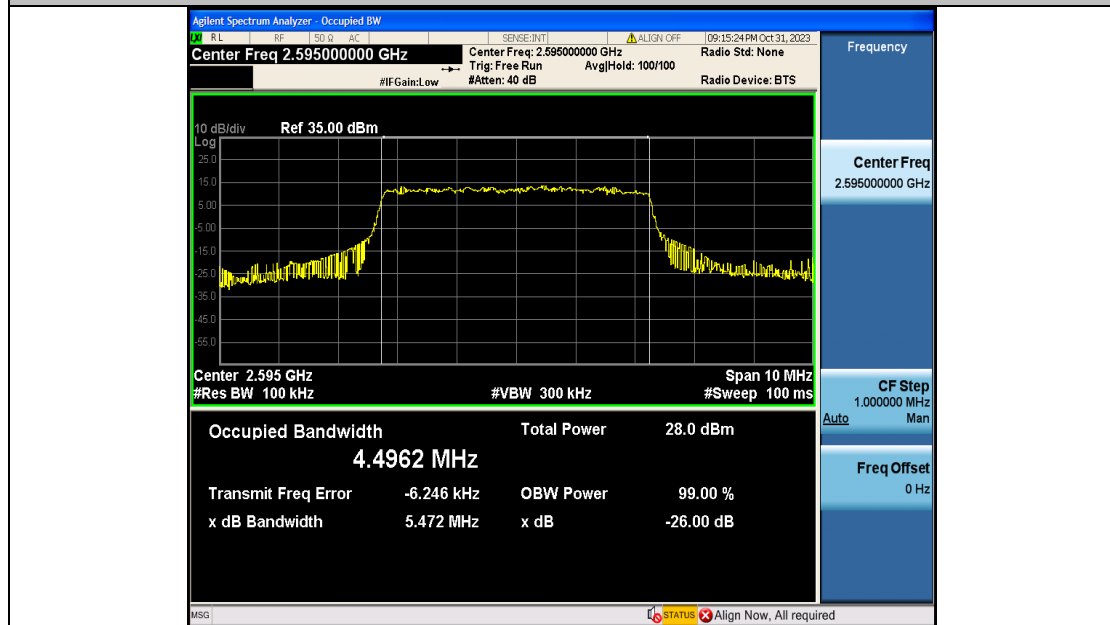
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5145	5.389	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4968	5.541	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5106	5.331	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4962	5.472	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5052	5.354	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4964	5.504	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9781	11.78	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9607	10.11	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9644	11.53	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9613	10.01	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9675	9.962	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9713	10.26	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.460	14.66	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.455	14.78	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.474	14.61	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.433	14.71	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.419	15.06	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.429	15.22	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.901	19.30	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.878	19.49	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.879	19.39	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.911	19.43	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.923	19.76	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.925	19.72	PASS

Test Graphs

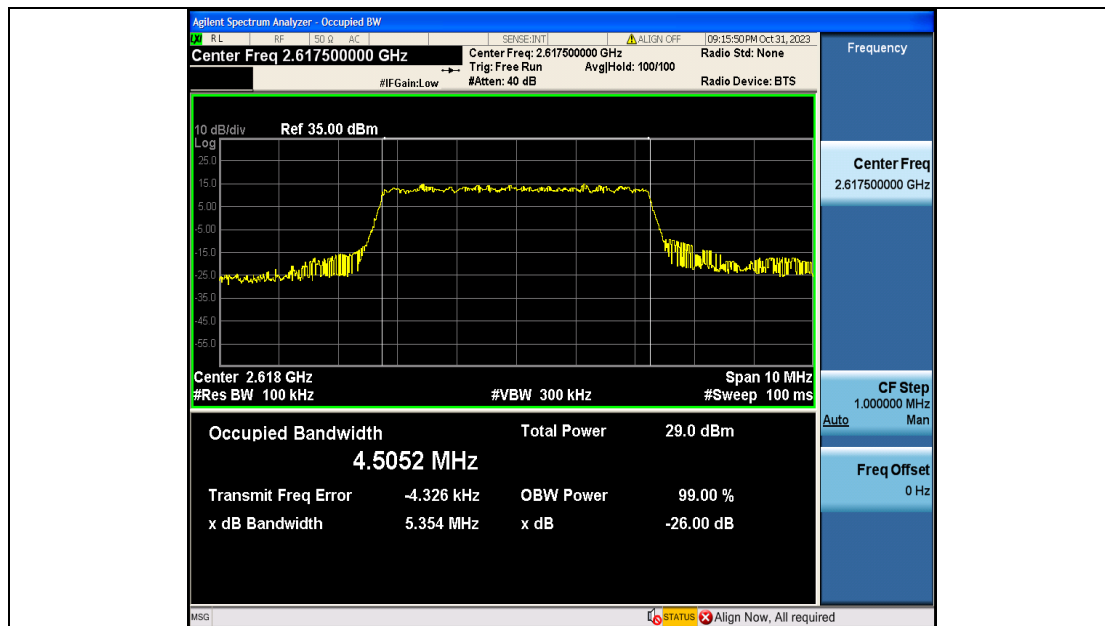




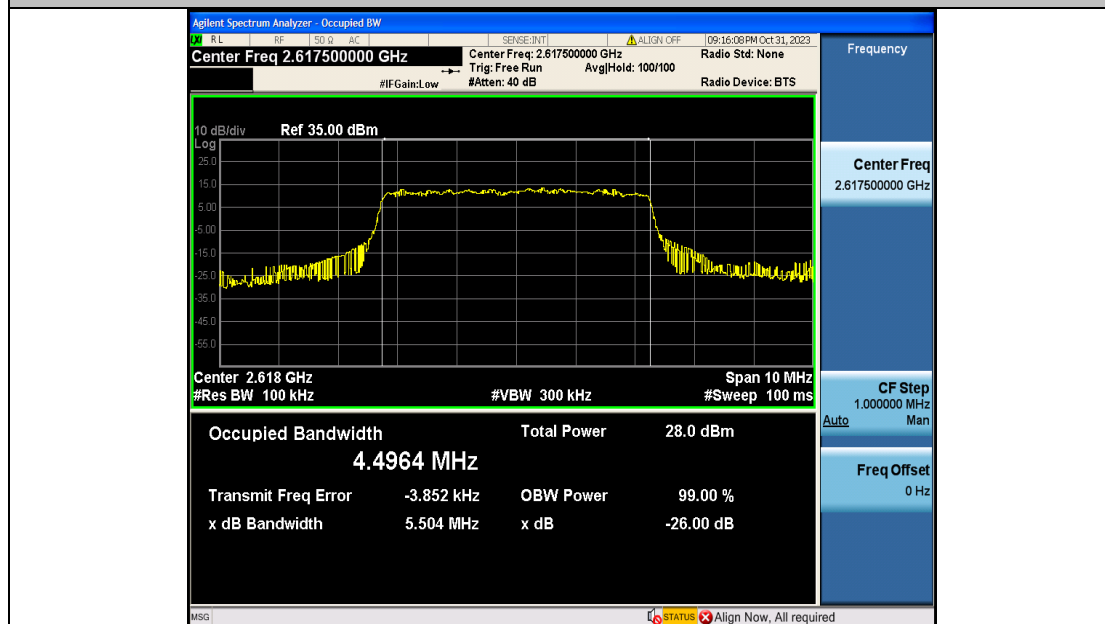
Band38-5MHz-QPSK-38000-25RB#0-PASS



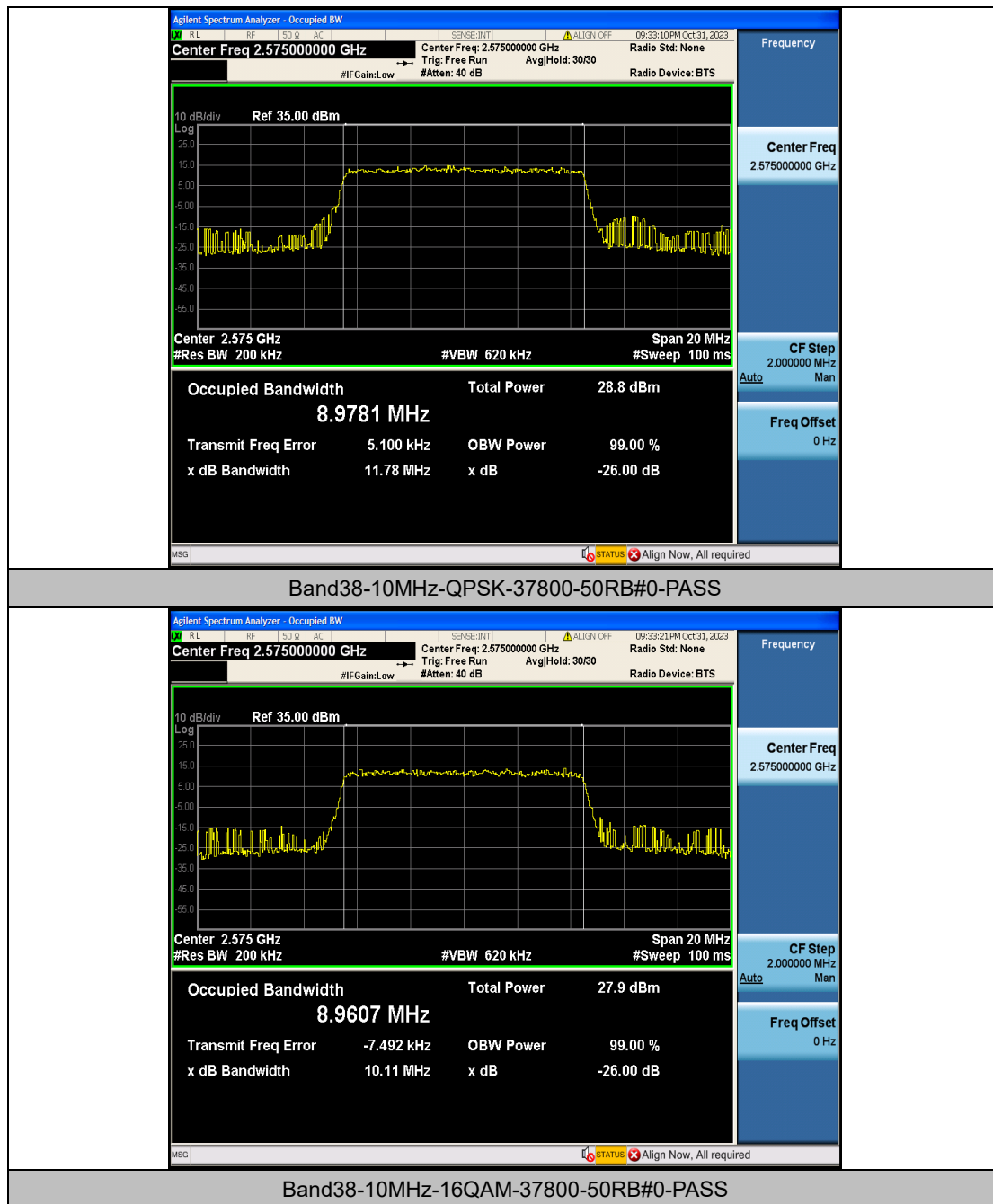
Band38-5MHz-16QAM-38000-25RB#0-PASS

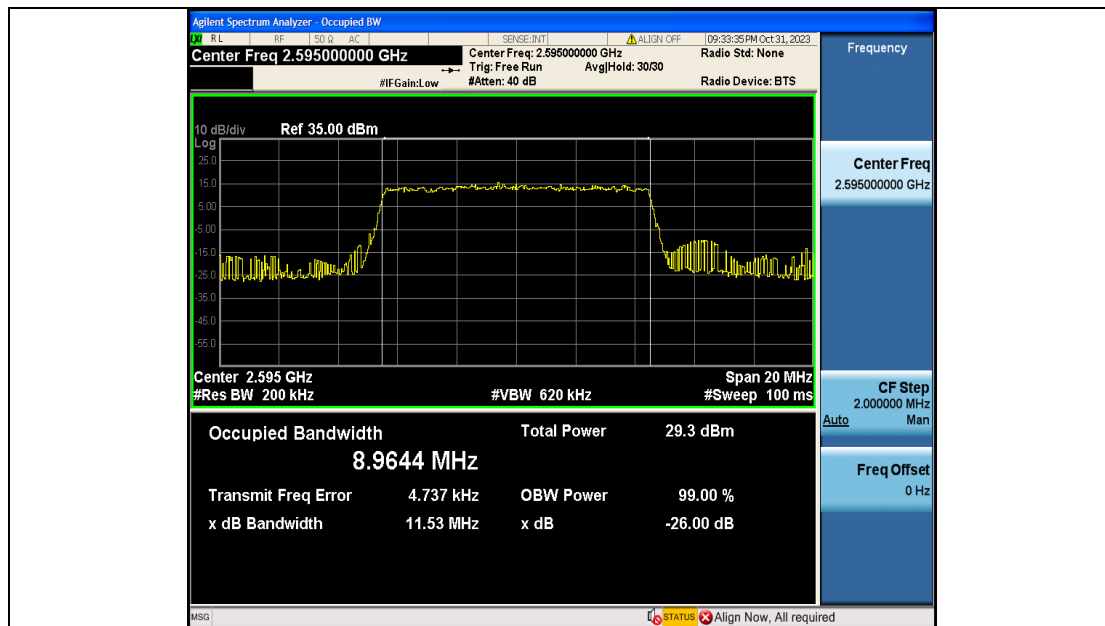


Band38-5MHz-QPSK-38225-25RB#0-PASS

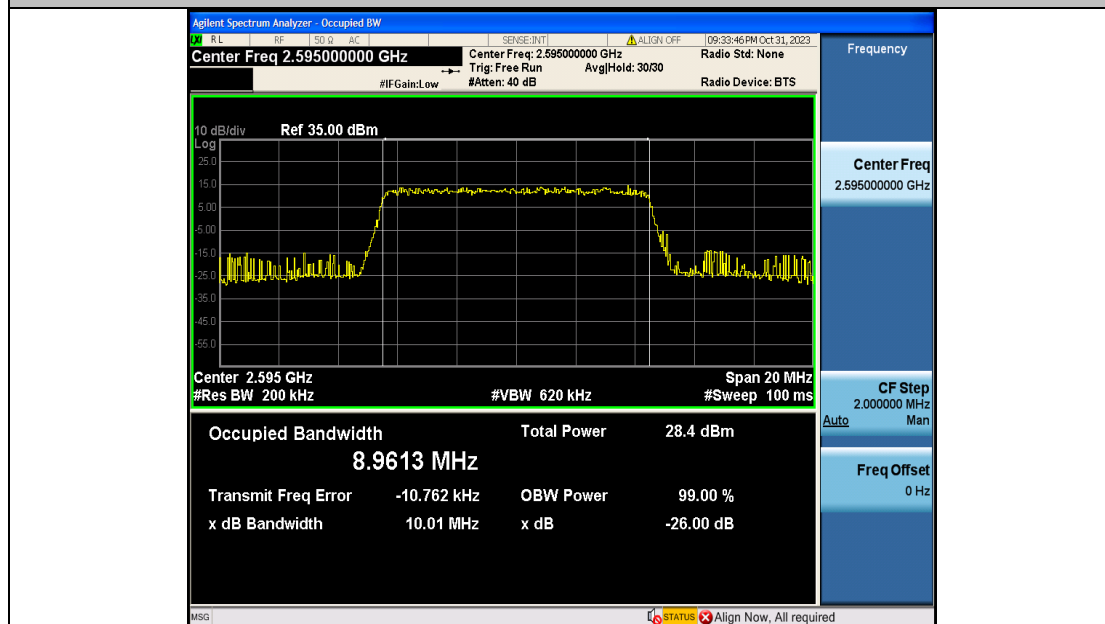


Band38-5MHz-16QAM-38225-25RB#0-PASS

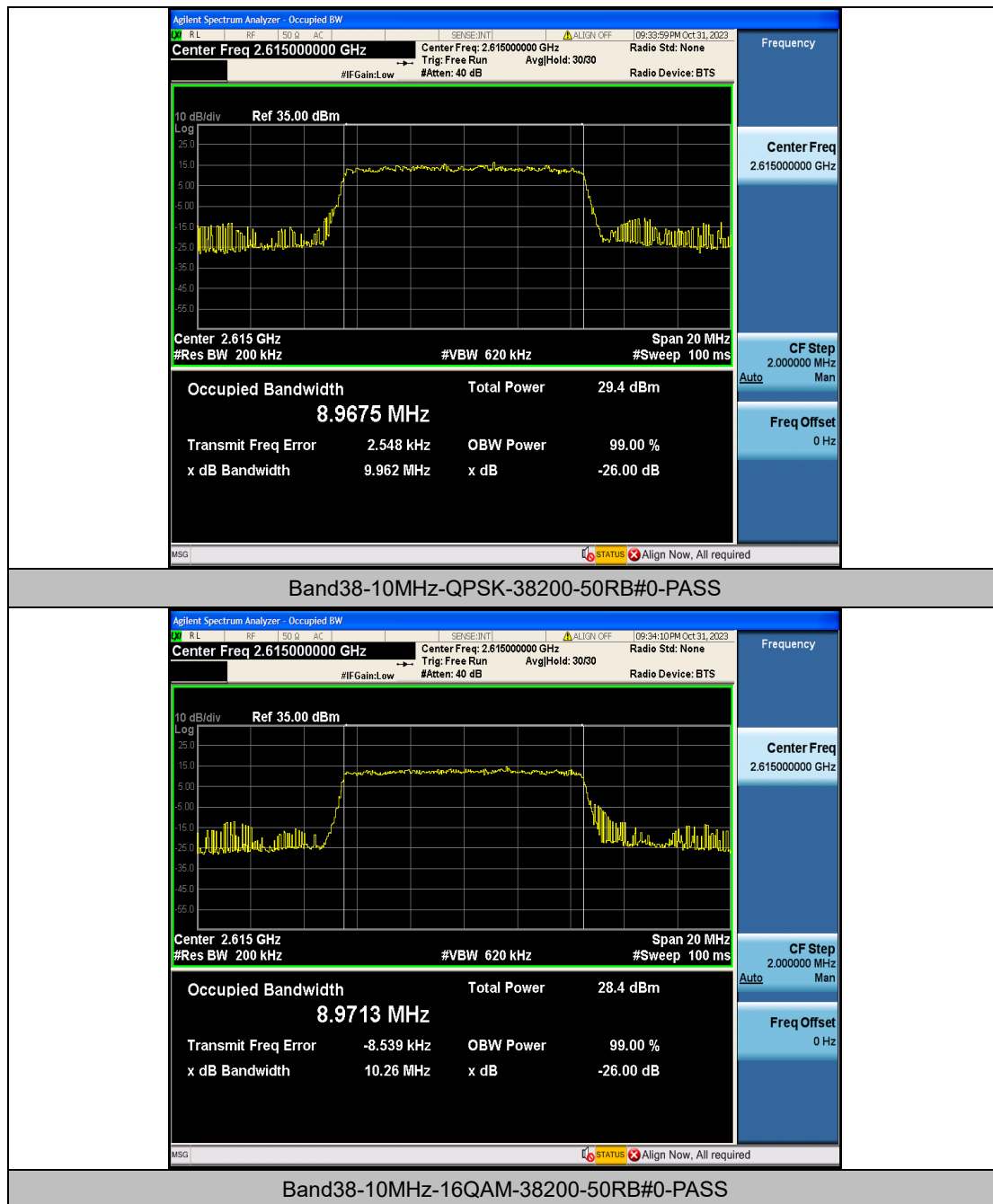


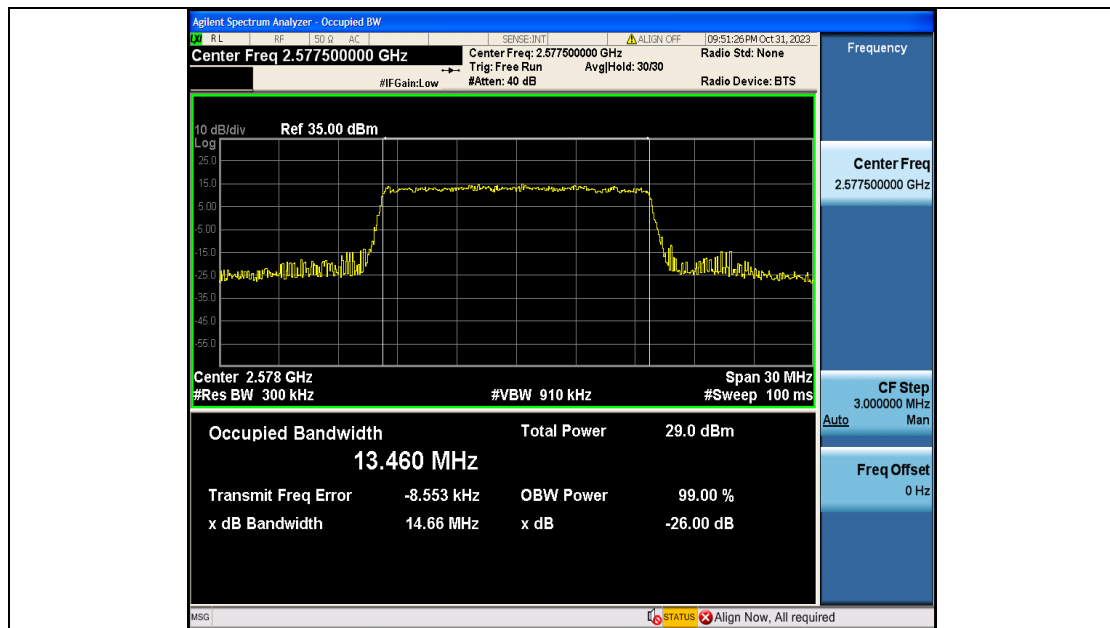


Band38-10MHz-QPSK-38000-50RB#0-PASS

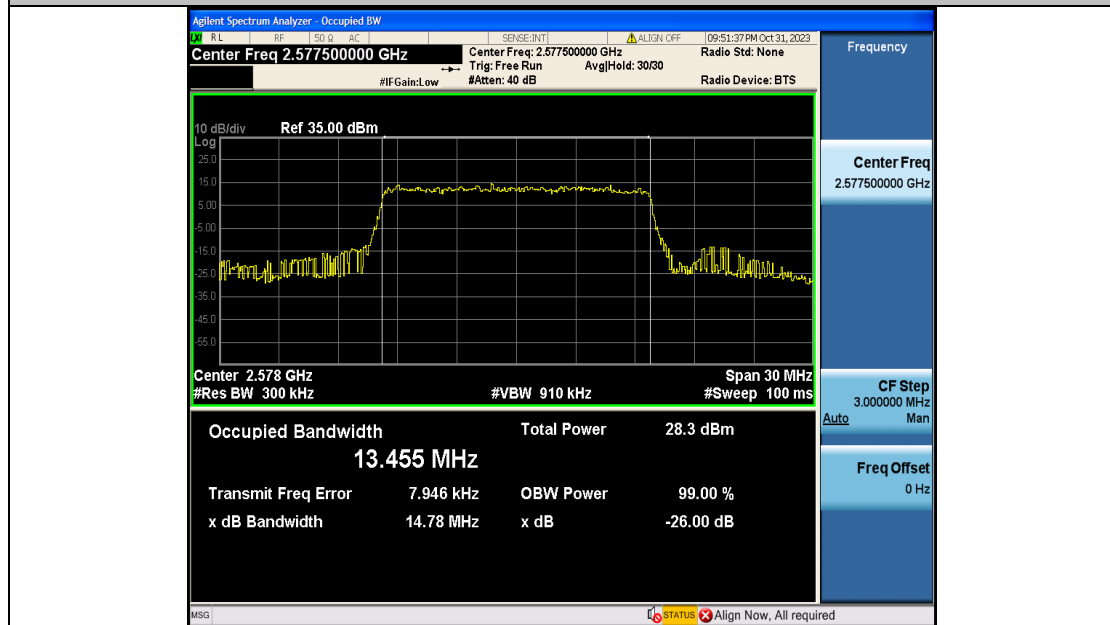


Band38-10MHz-16QAM-38000-50RB#0-PASS

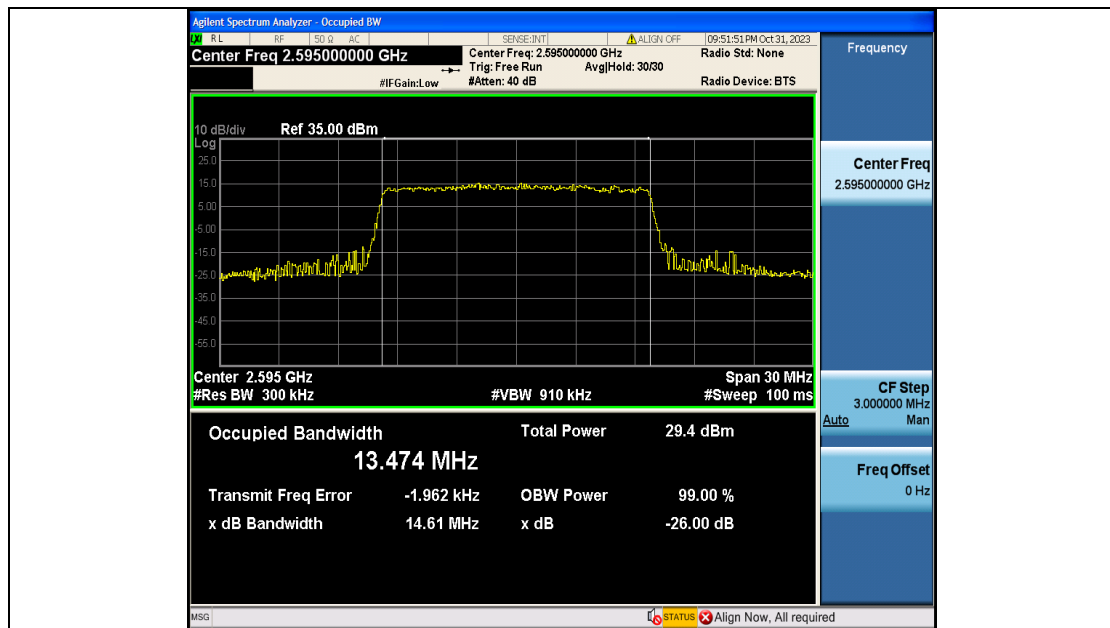




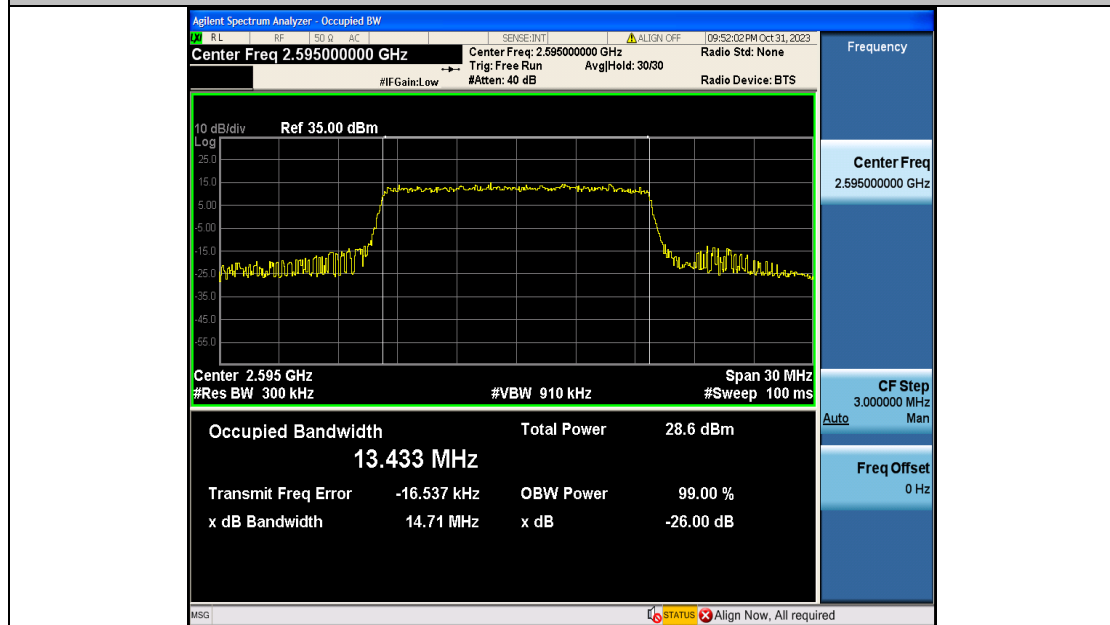
Band38-15MHz-QPSK-37825-75RB#0-PASS



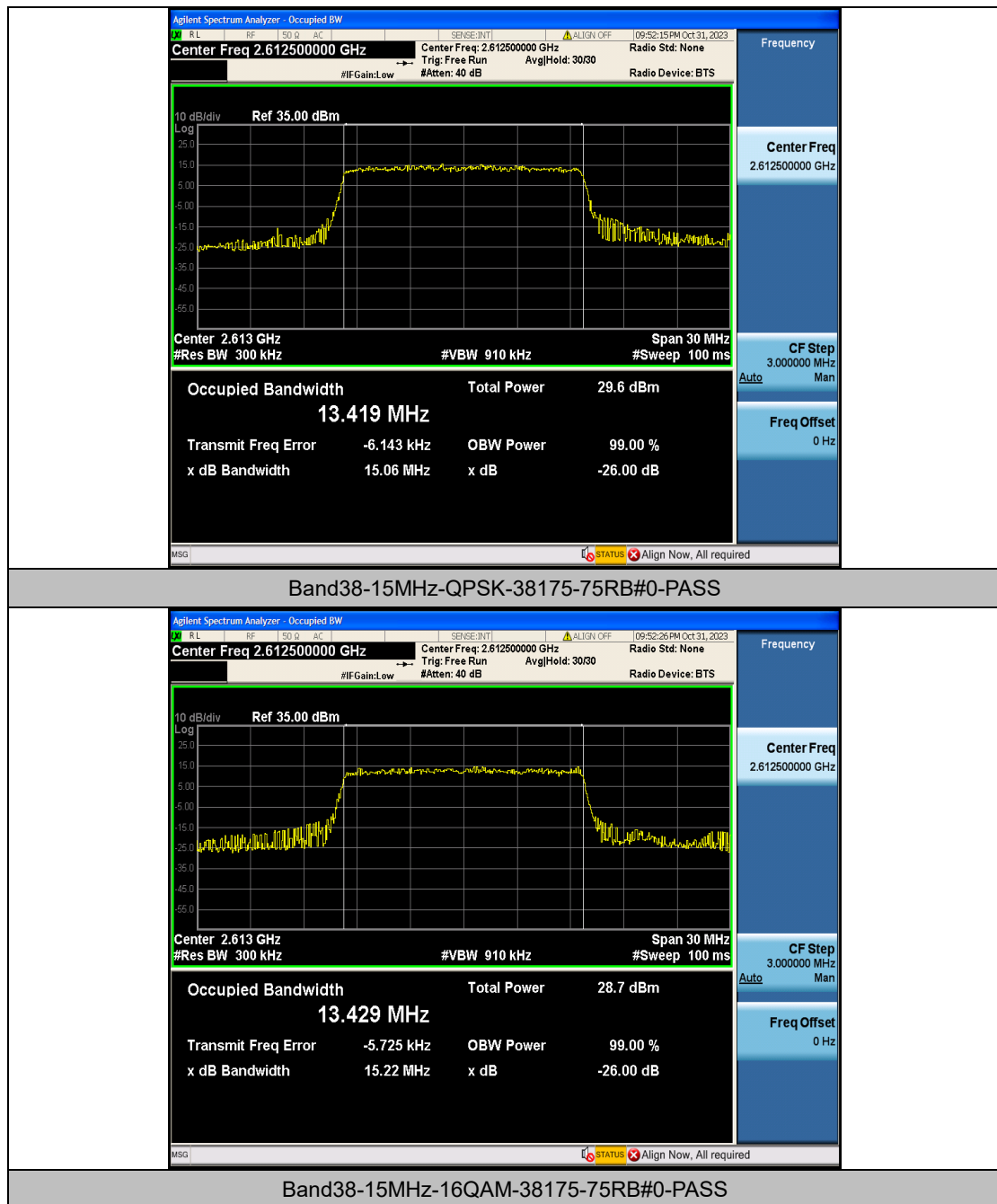
Band38-15MHz-16QAM-37825-75RB#0-PASS

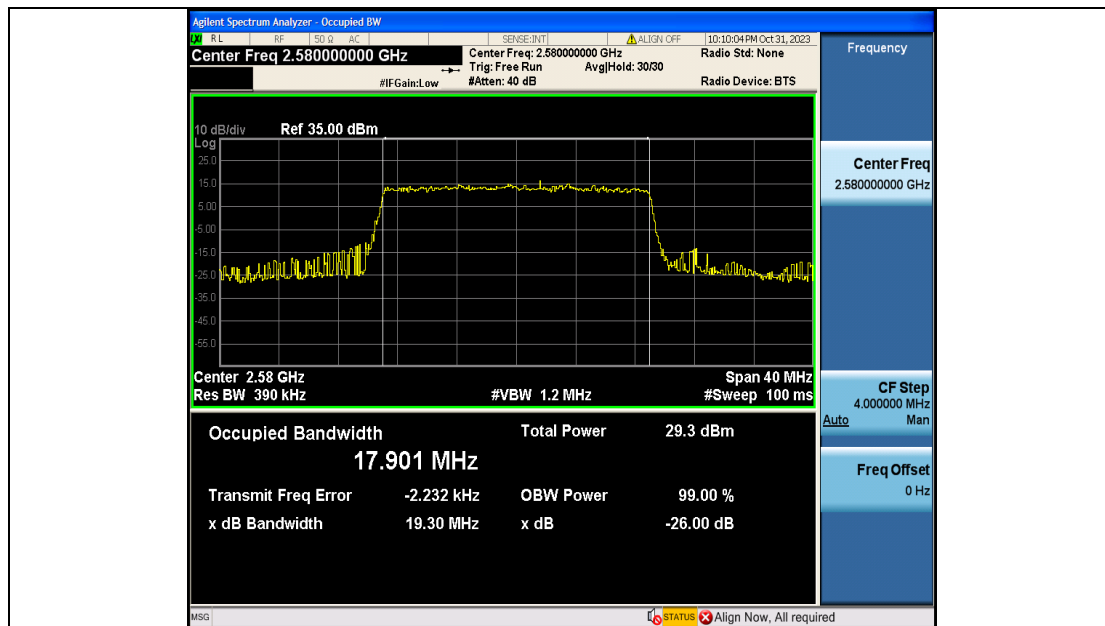


Band38-15MHz-QPSK-38000-75RB#0-PASS



Band38-15MHz-16QAM-38000-75RB#0-PASS

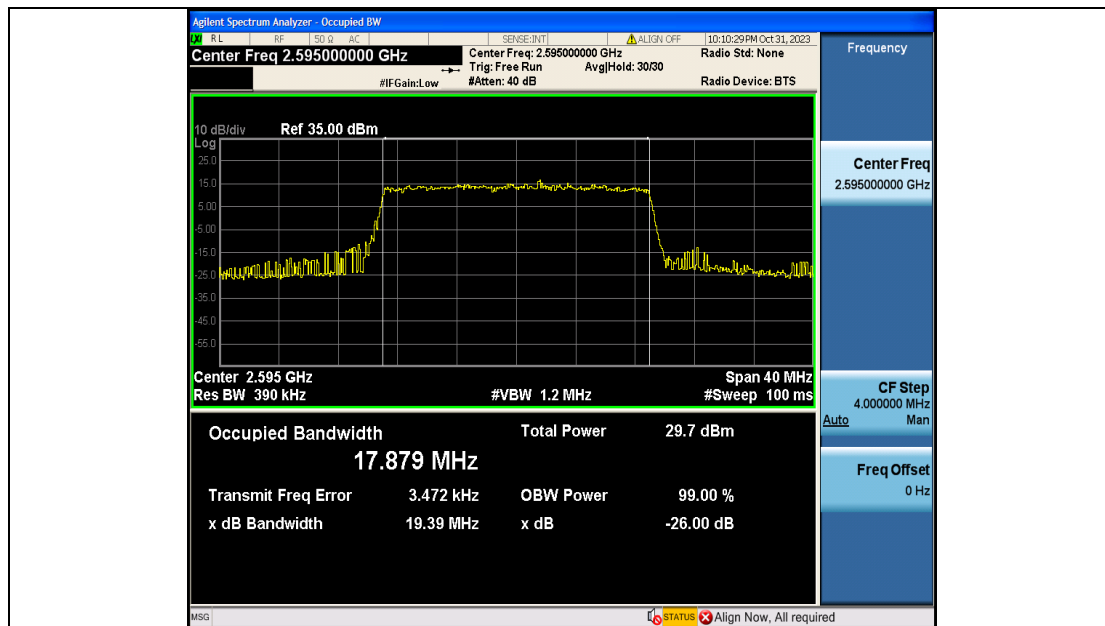




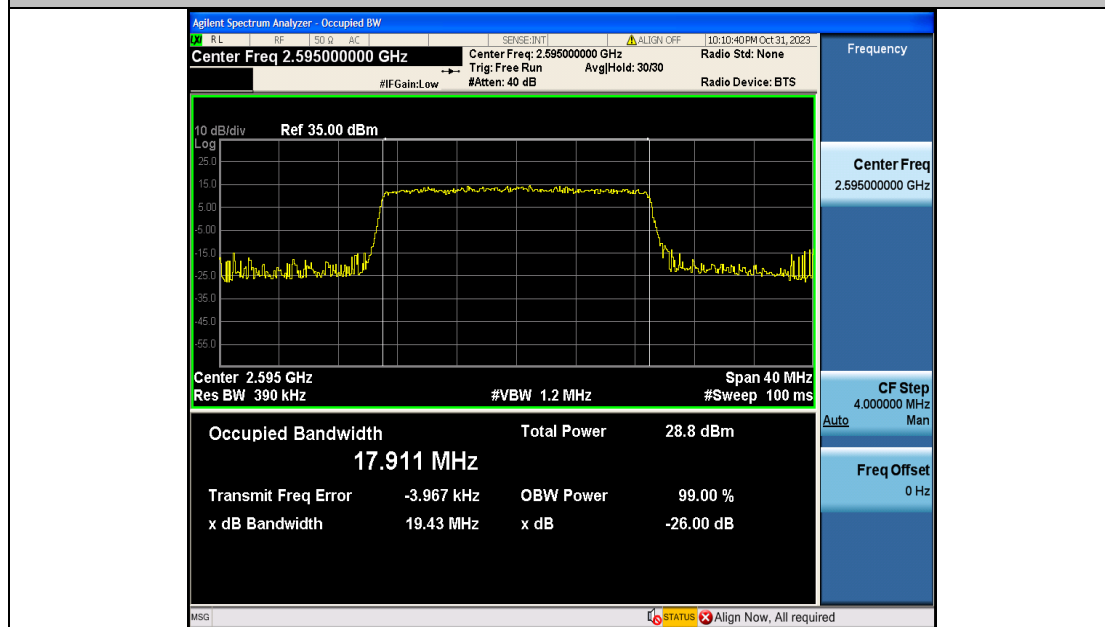
Band38-20MHz-QPSK-37850-100RB#0-PASS



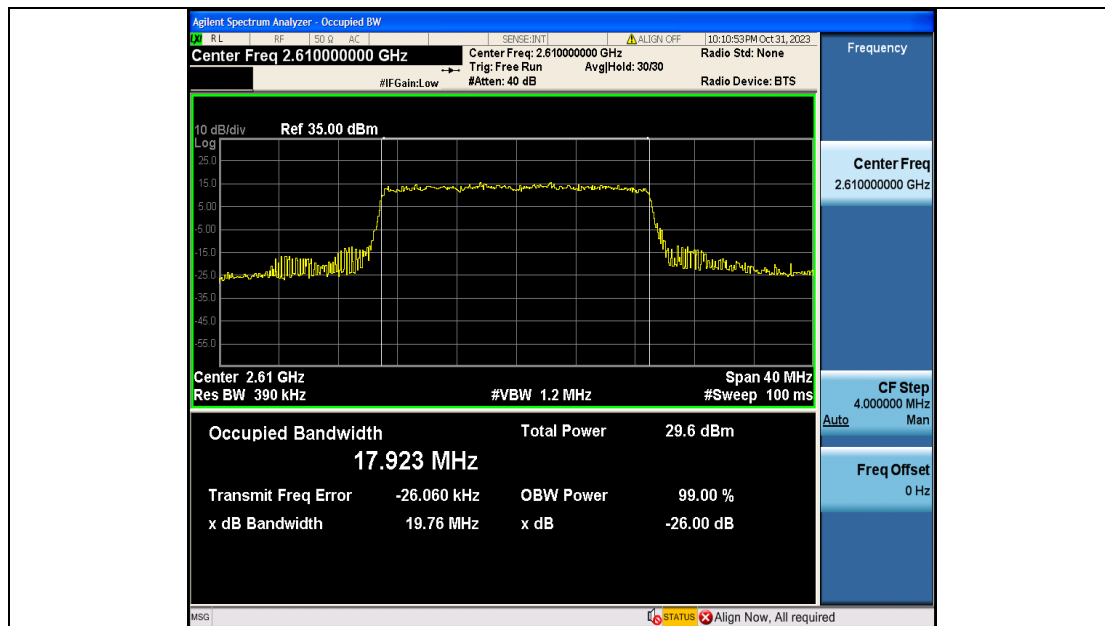
Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS



Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



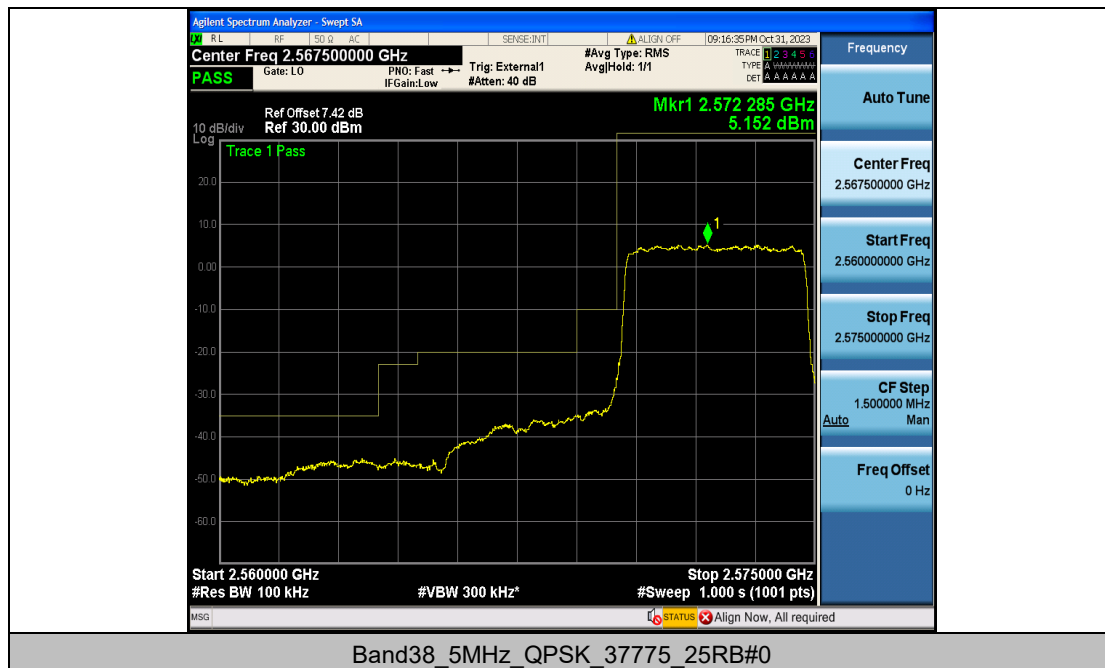
Band38-20MHz-16QAM-38150-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band38	5MHz	QPSK	37775	25RB#0	PASS
Band38	5MHz	16QAM	37775	25RB#0	PASS
Band38	5MHz	QPSK	38225	25RB#0	PASS
Band38	5MHz	16QAM	38225	25RB#0	PASS
Band38	10MHz	QPSK	37800	50RB#0	PASS
Band38	10MHz	16QAM	37800	50RB#0	PASS
Band38	10MHz	QPSK	38200	50RB#0	PASS
Band38	10MHz	16QAM	38200	50RB#0	PASS
Band38	15MHz	QPSK	37825	75RB#0	PASS
Band38	15MHz	16QAM	37825	75RB#0	PASS
Band38	15MHz	QPSK	38175	75RB#0	PASS
Band38	15MHz	16QAM	38175	75RB#0	PASS
Band38	20MHz	QPSK	37850	100RB#0	PASS
Band38	20MHz	16QAM	37850	100RB#0	PASS
Band38	20MHz	QPSK	38150	100RB#0	PASS
Band38	20MHz	16QAM	38150	100RB#0	PASS

Test Graphs





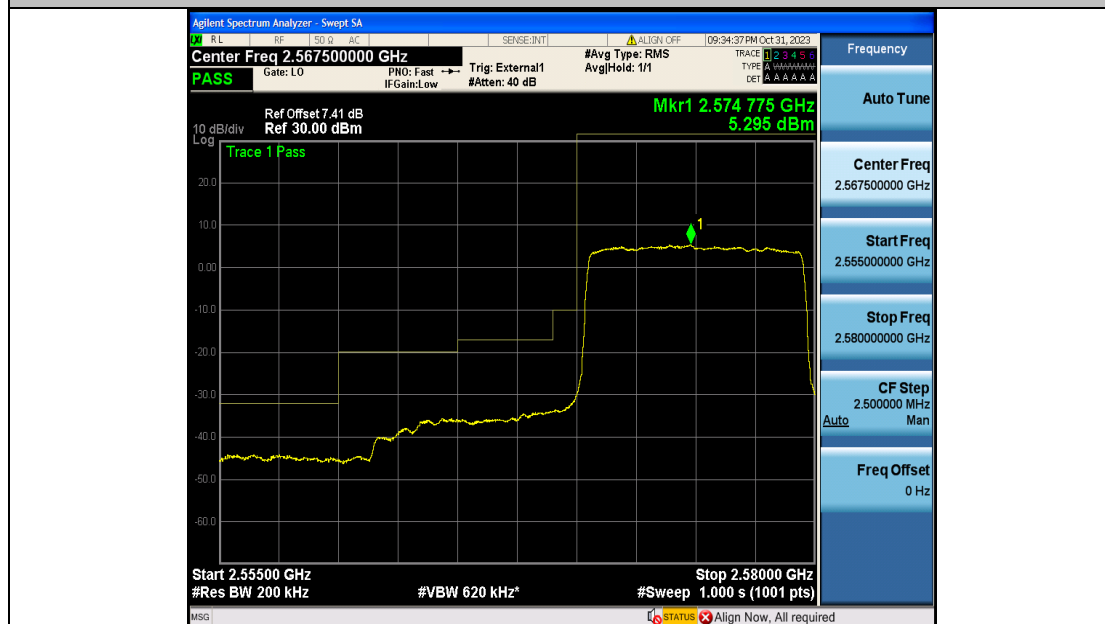
Band38_5MHz_16QAM_37775_25RB#0



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



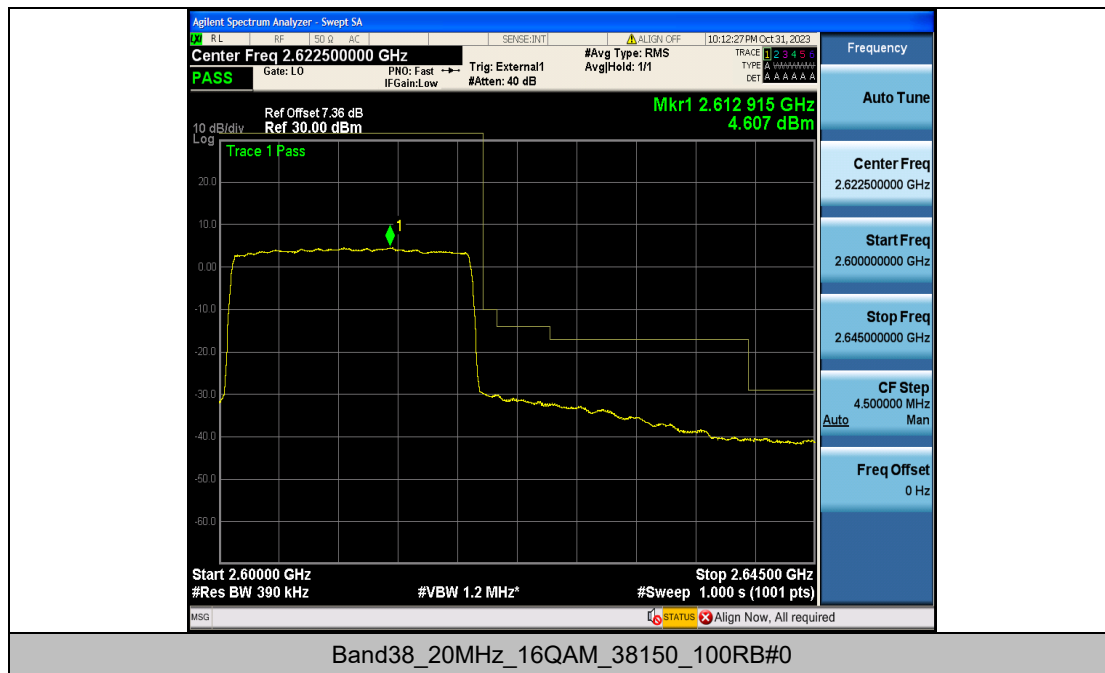
Band38_20MHz_QPSK_37850_100RB#0



Band38_20MHz_16QAM_37850_100RB#0



Band38_20MHz_QPSK_38150_100RB#0



Appendix E: Conducted Spurious Emission

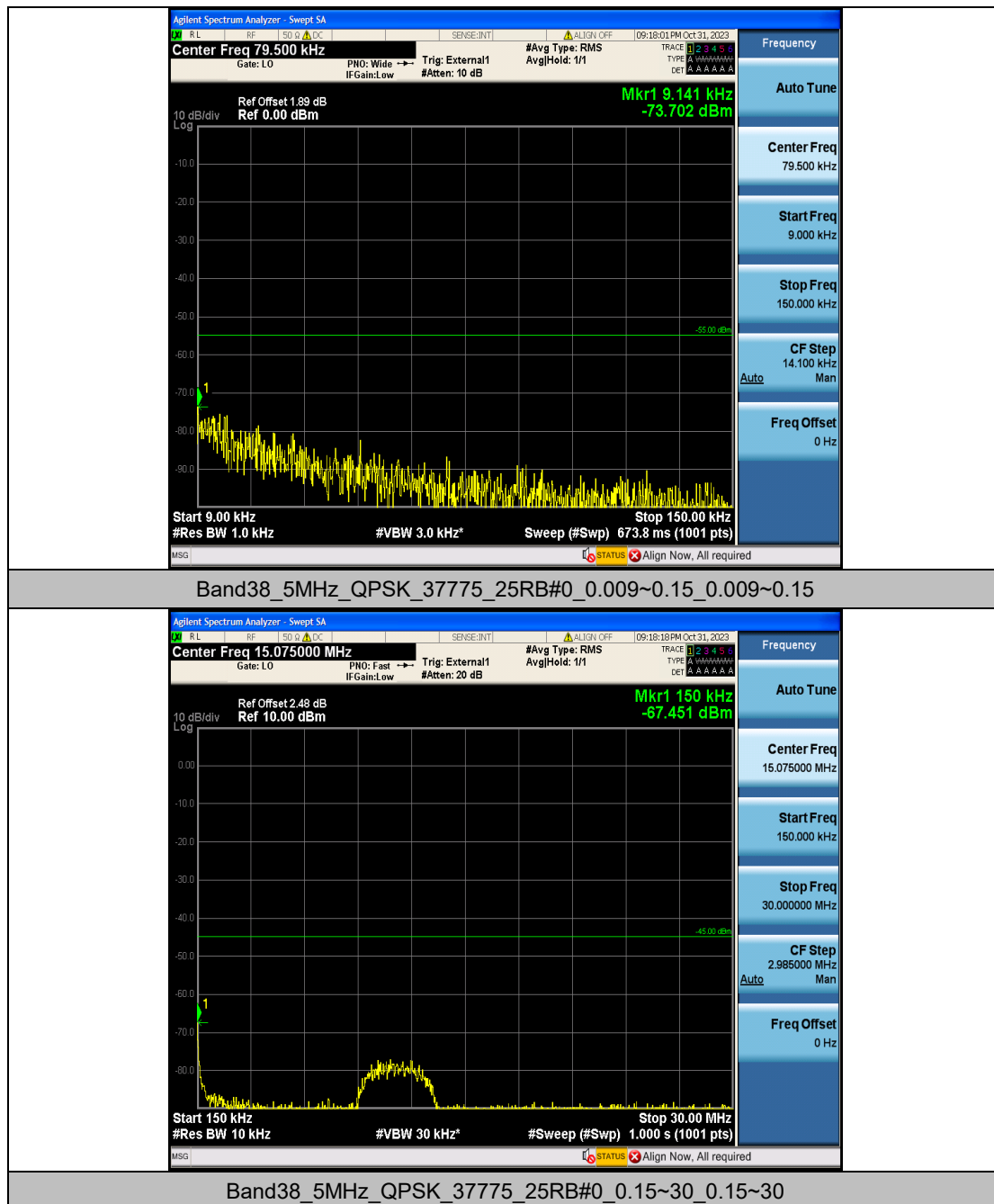
Test Result

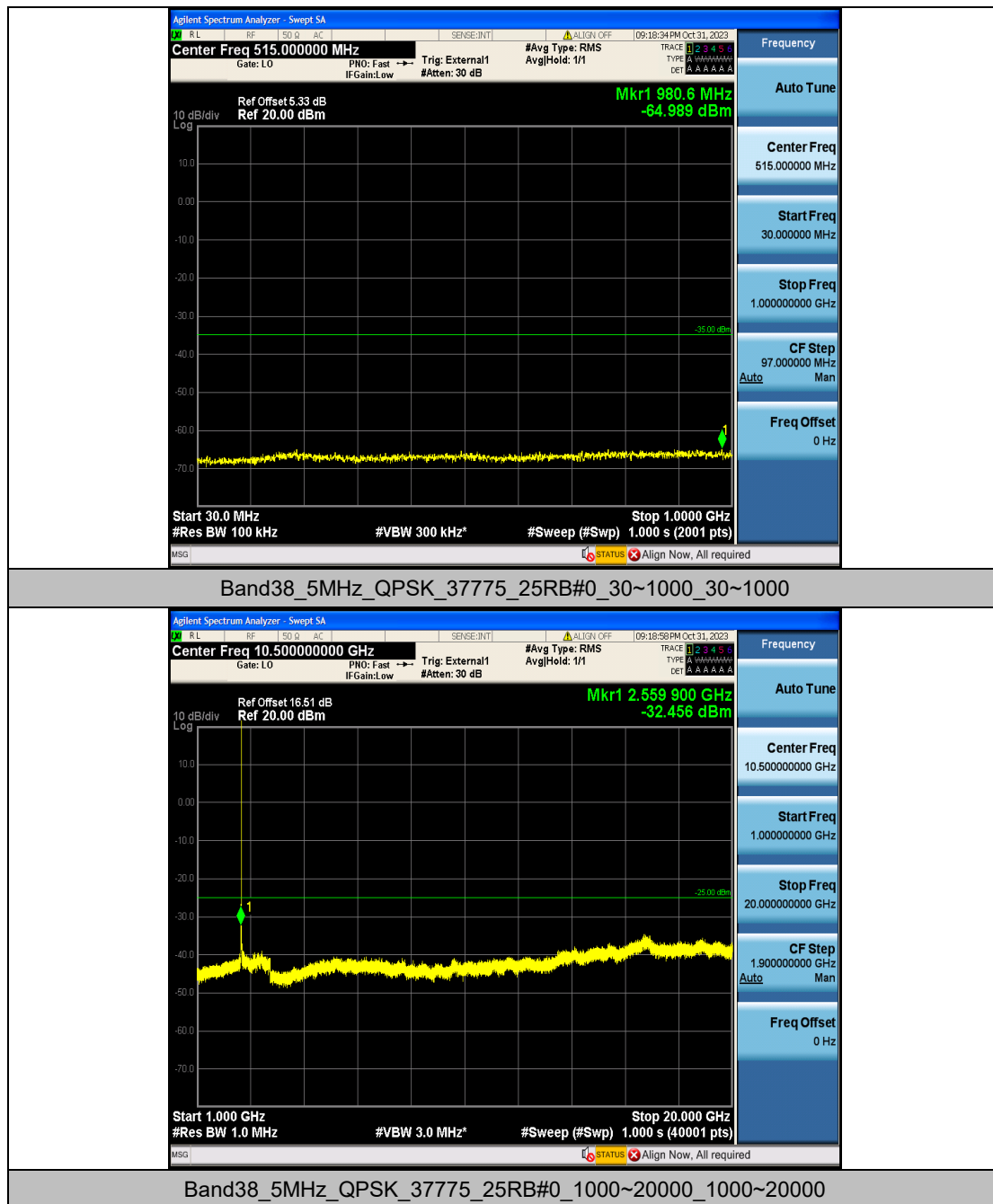
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-73.70	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-67.45	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-64.99	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-32.46	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-28.30	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-73.72	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-65.61	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-65.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-33.16	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-28.05	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-76.18	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-70.76	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-65.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-29.74	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-28.26	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-73.45	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-68.94	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-64.56	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-32.38	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-28.17	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-73.35	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-67.31	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-64.42	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-28.18	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-28.23	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-74.35	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-67.68	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-65.06	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-31.31	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-28.25	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-74.09	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-68.49	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-64.73	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-33.68	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-28.18	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-72.30	PASS

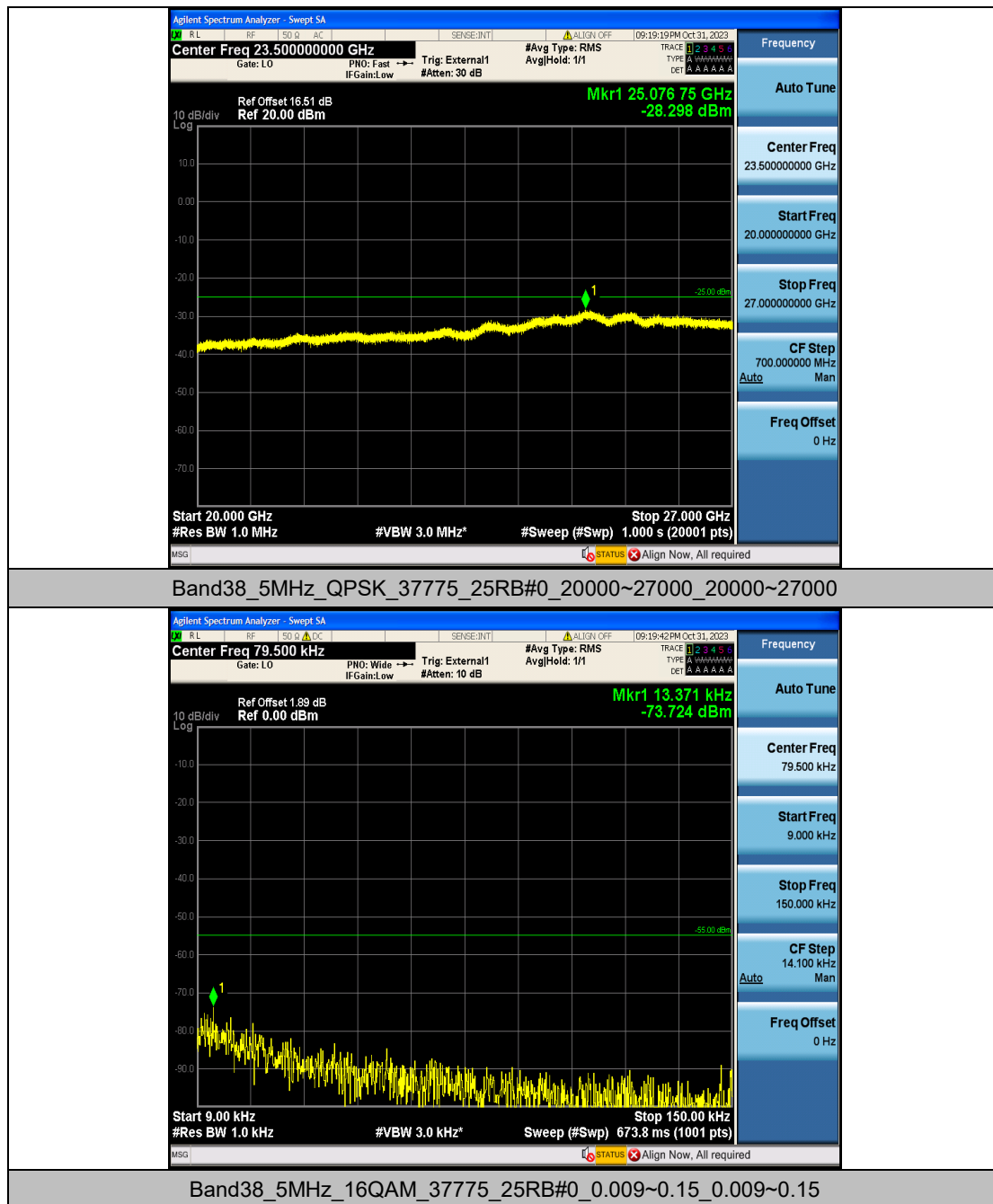
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-70.15	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-64.62	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-34.20	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-28.35	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-74.03	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-67.92	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-64.81	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-32.39	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-28.26	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-74.04	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-68.28	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-64.84	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-34.63	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-28.20	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-72.43	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-67.91	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-64.77	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-31.82	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-28.54	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-72.04	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-68.08	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-64.52	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-33.34	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-28.11	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-75.12	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-69.51	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-64.84	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-33.03	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-28.35	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-74.78	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-67.05	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-64.55	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-34.27	PASS
Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-28.32	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-72.28	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-66.96	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-64.86	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-32.93	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-28.47	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-74.35	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-65.96	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-64.63	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-34.71	PASS

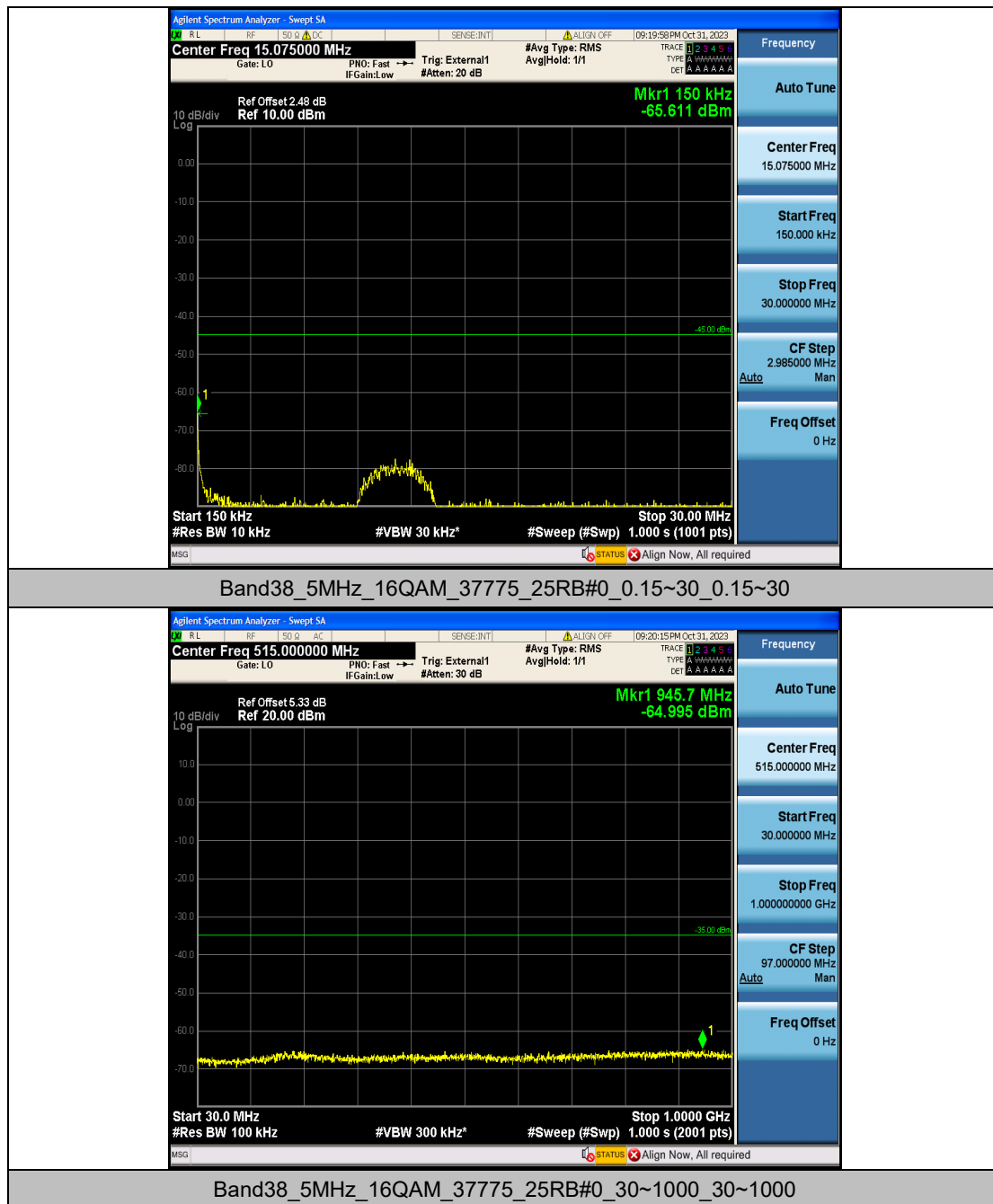
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-28.41	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-71.55	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-66.94	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-64.43	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-28.33	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-28.20	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-73.66	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-69.62	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-64.83	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-30.42	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-28.38	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-74.74	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-67.33	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-64.70	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-34.22	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-28.20	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-73.74	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-69.05	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-64.74	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-34.35	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-28.41	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-73.90	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-67.16	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-64.76	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-33.19	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-28.33	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-73.30	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-67.73	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-64.65	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-34.92	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-28.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-73.10	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-65.20	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-64.78	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-32.57	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-28.36	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-73.97	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-65.40	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-64.92	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-34.53	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-28.38	PASS

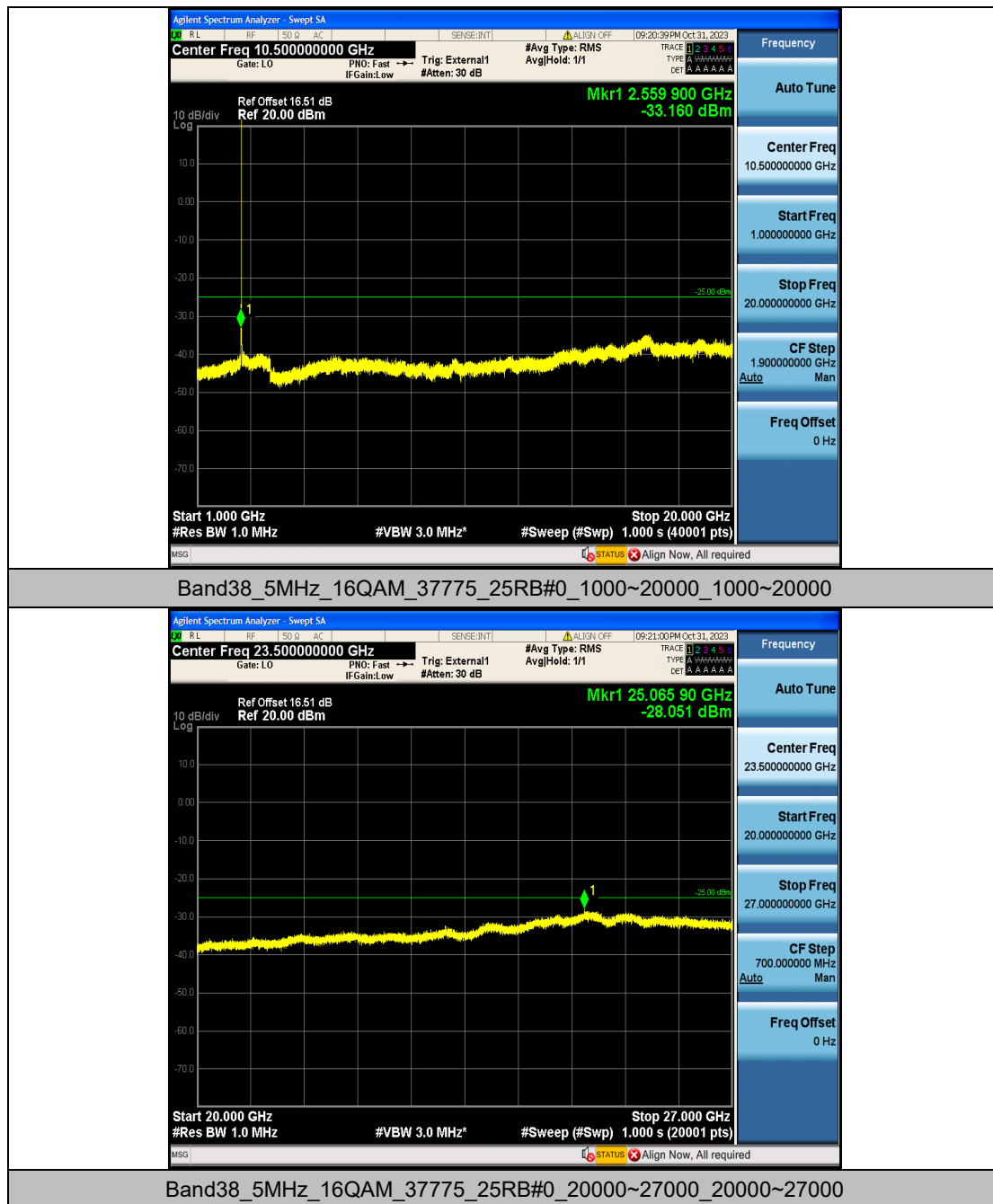
Test Graphs

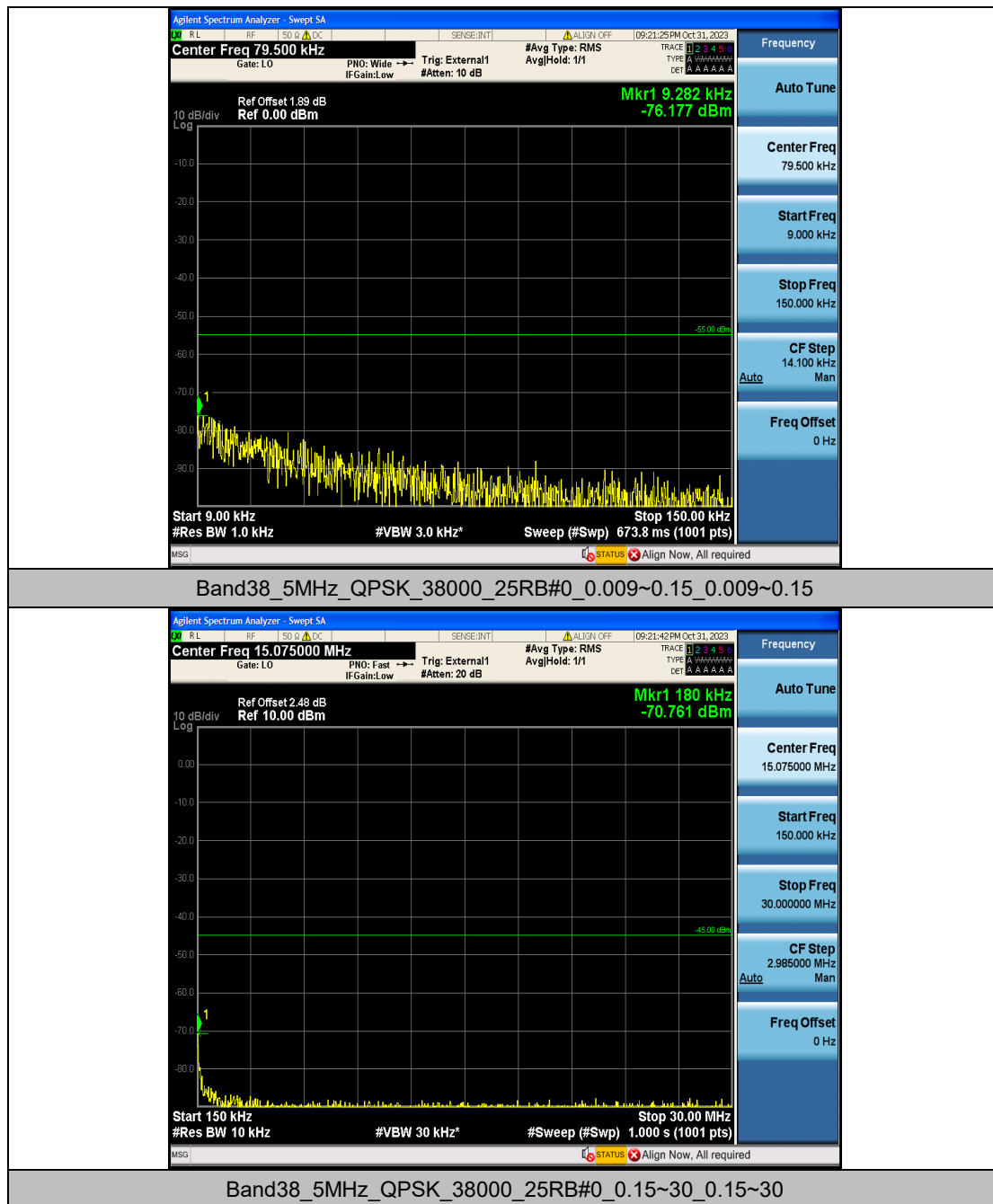


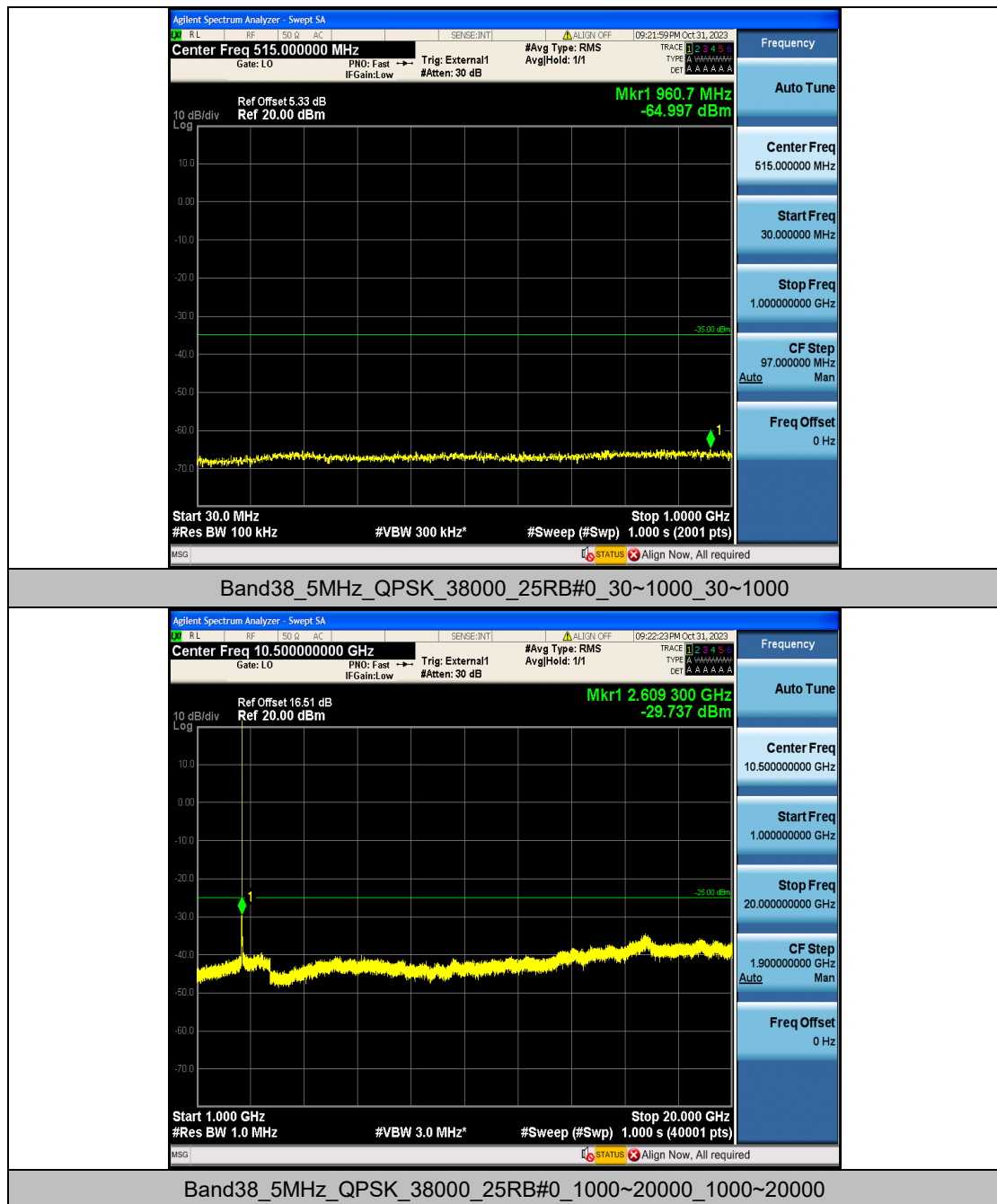






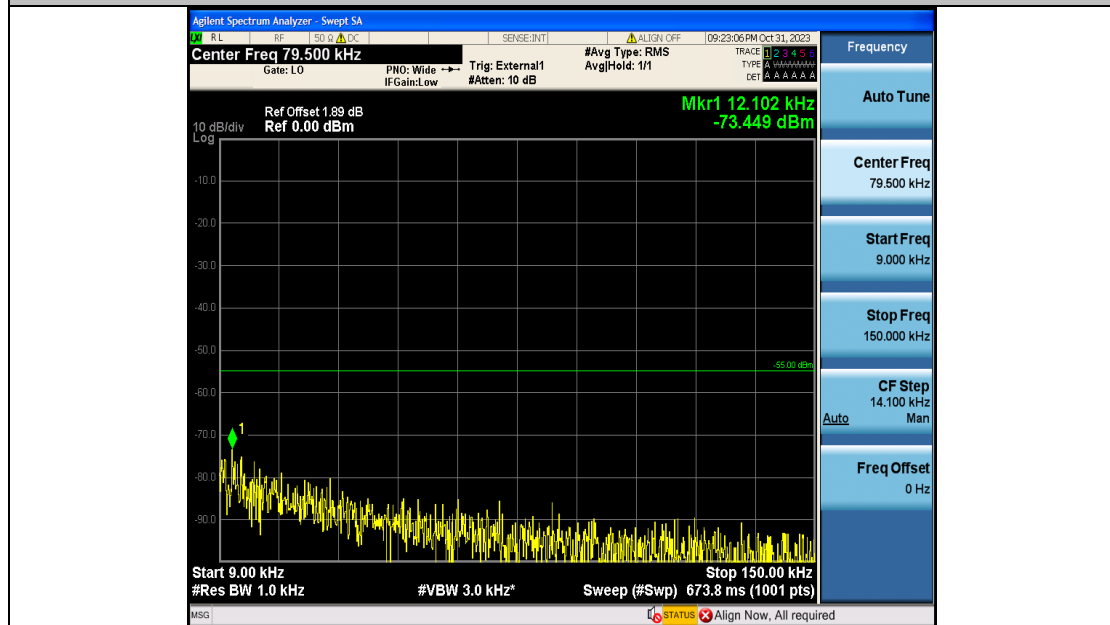




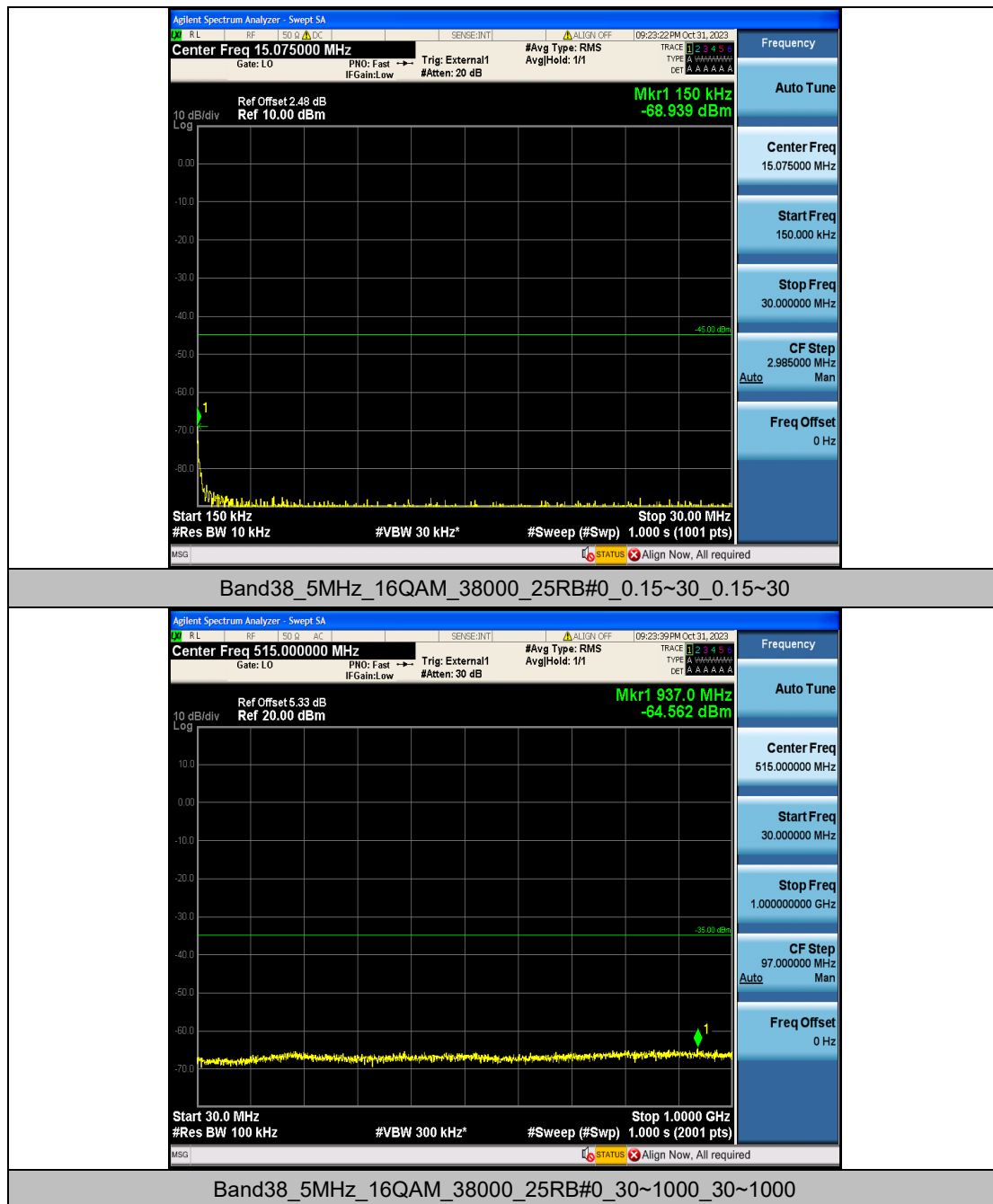


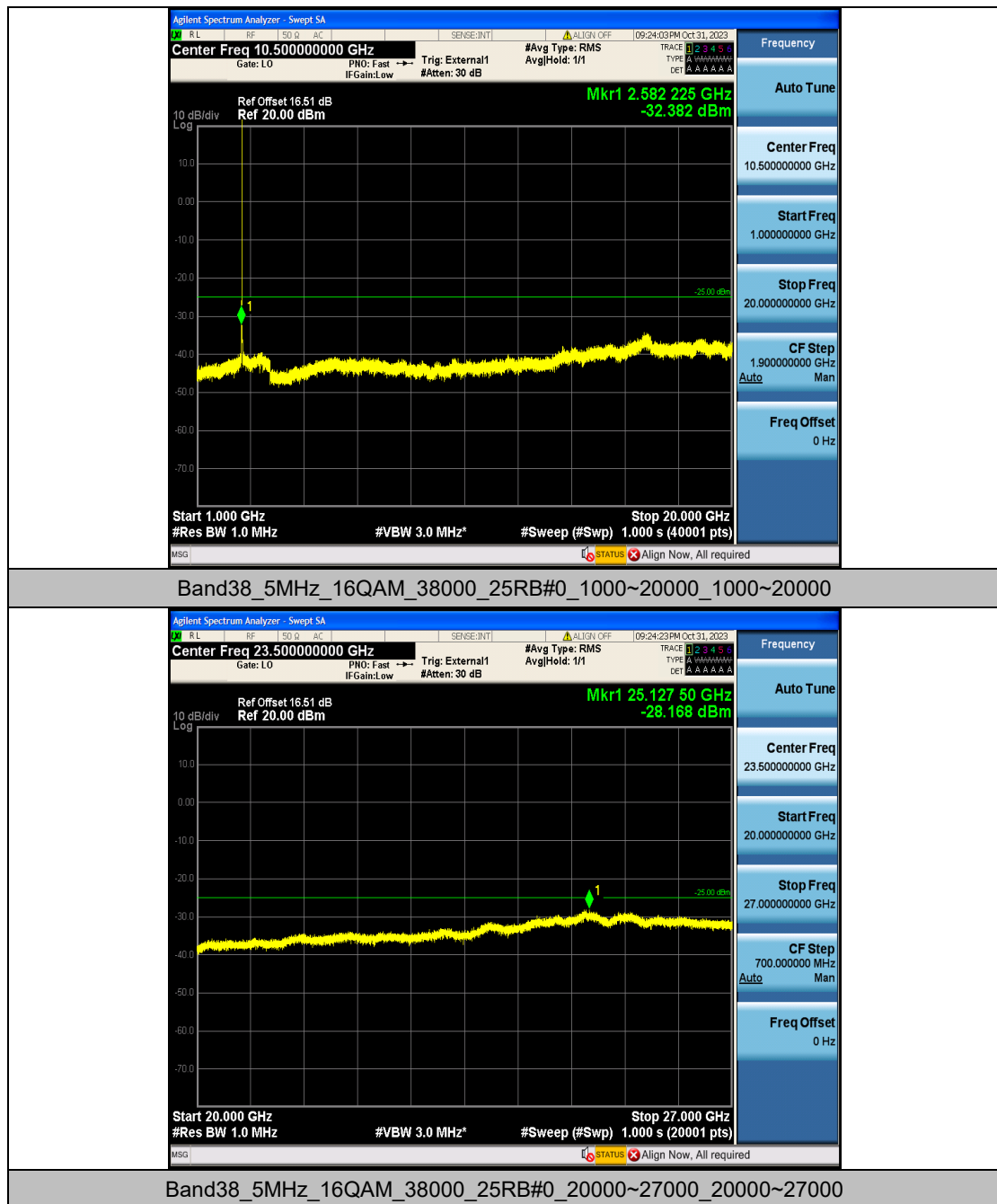


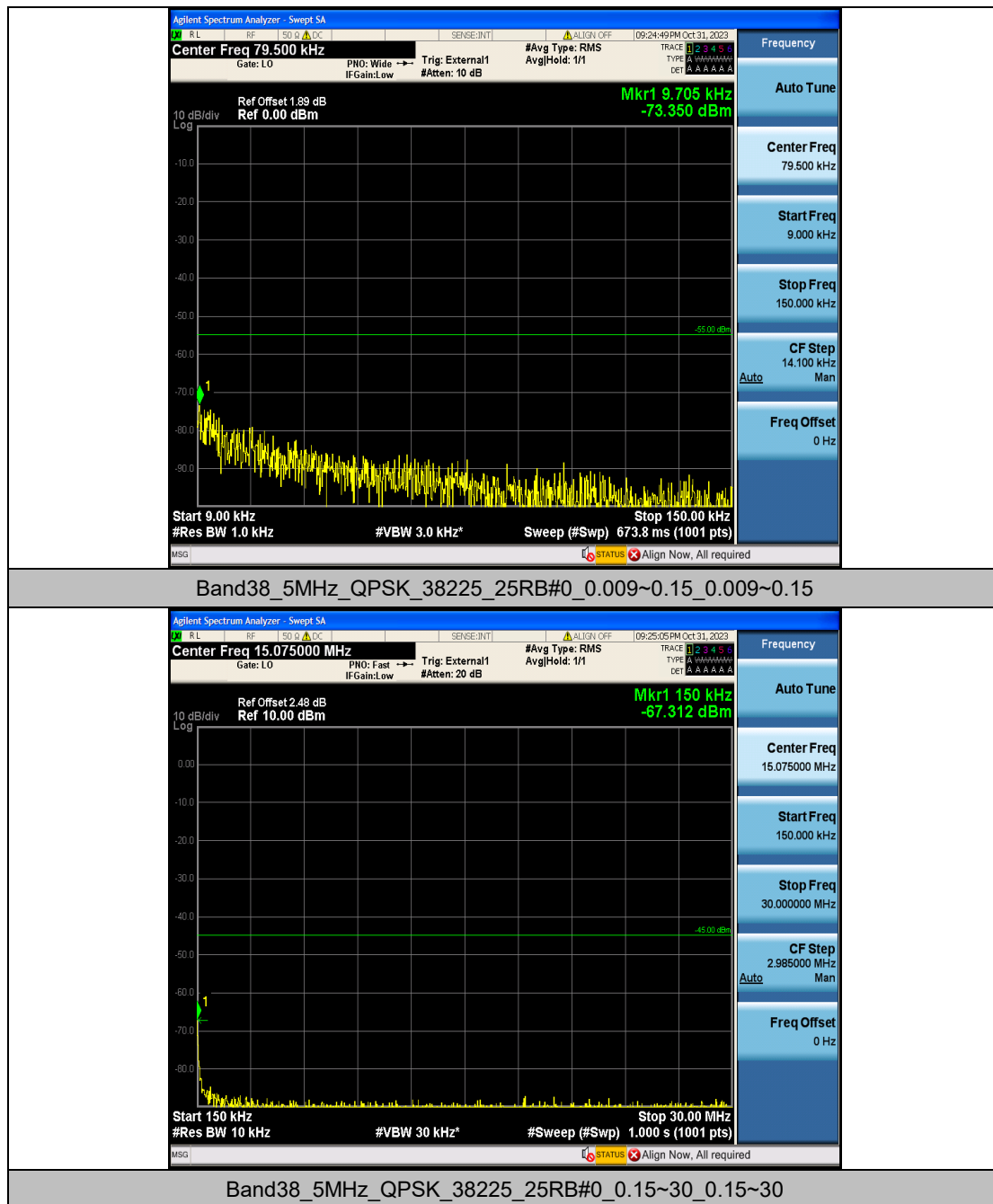
Band38_5MHz_QPSK_38000_25RB#0_20000~27000_20000~27000

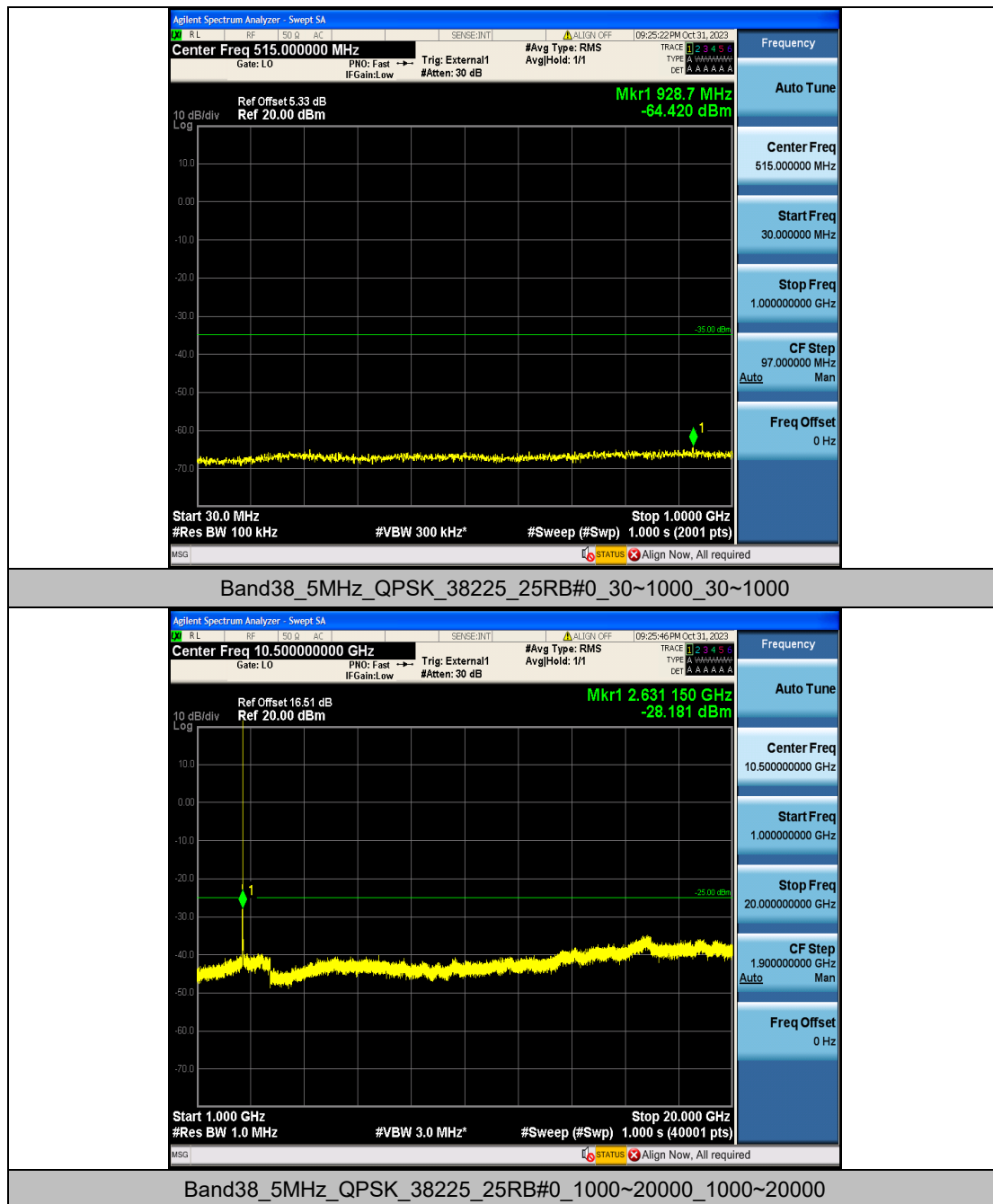


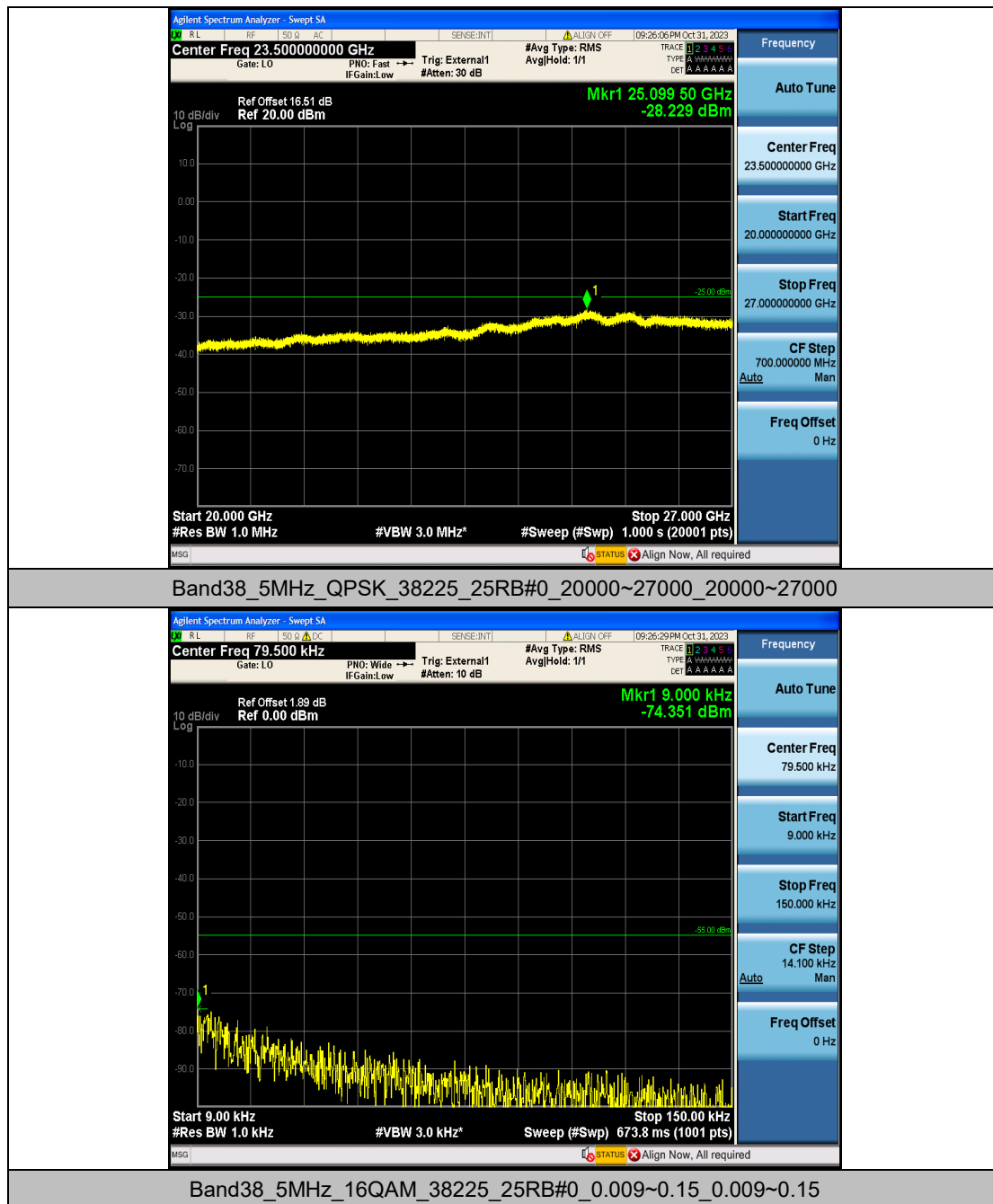
Band38_5MHz_16QAM_38000_25RB#0_0.009~0.15_0.009~0.15

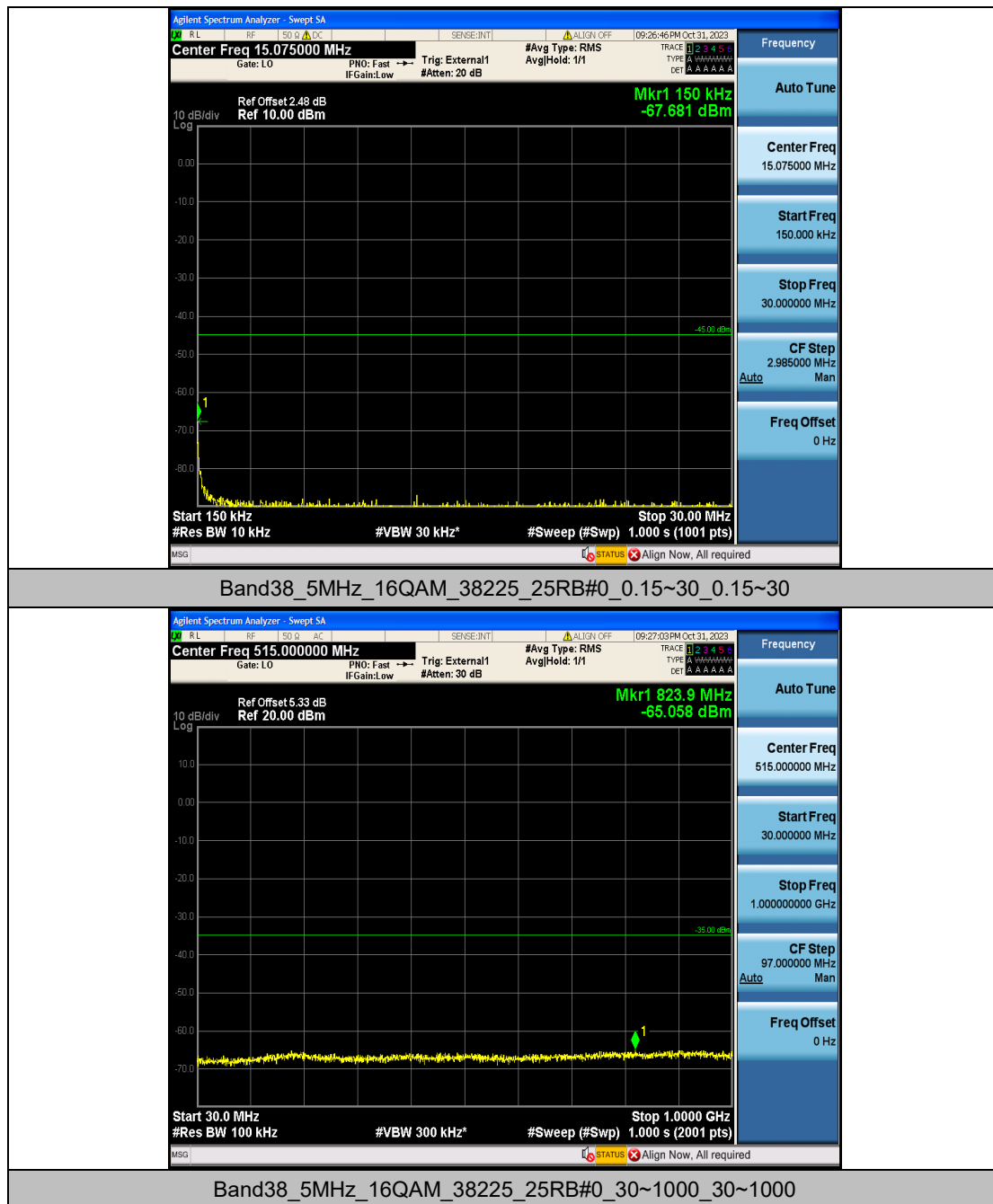


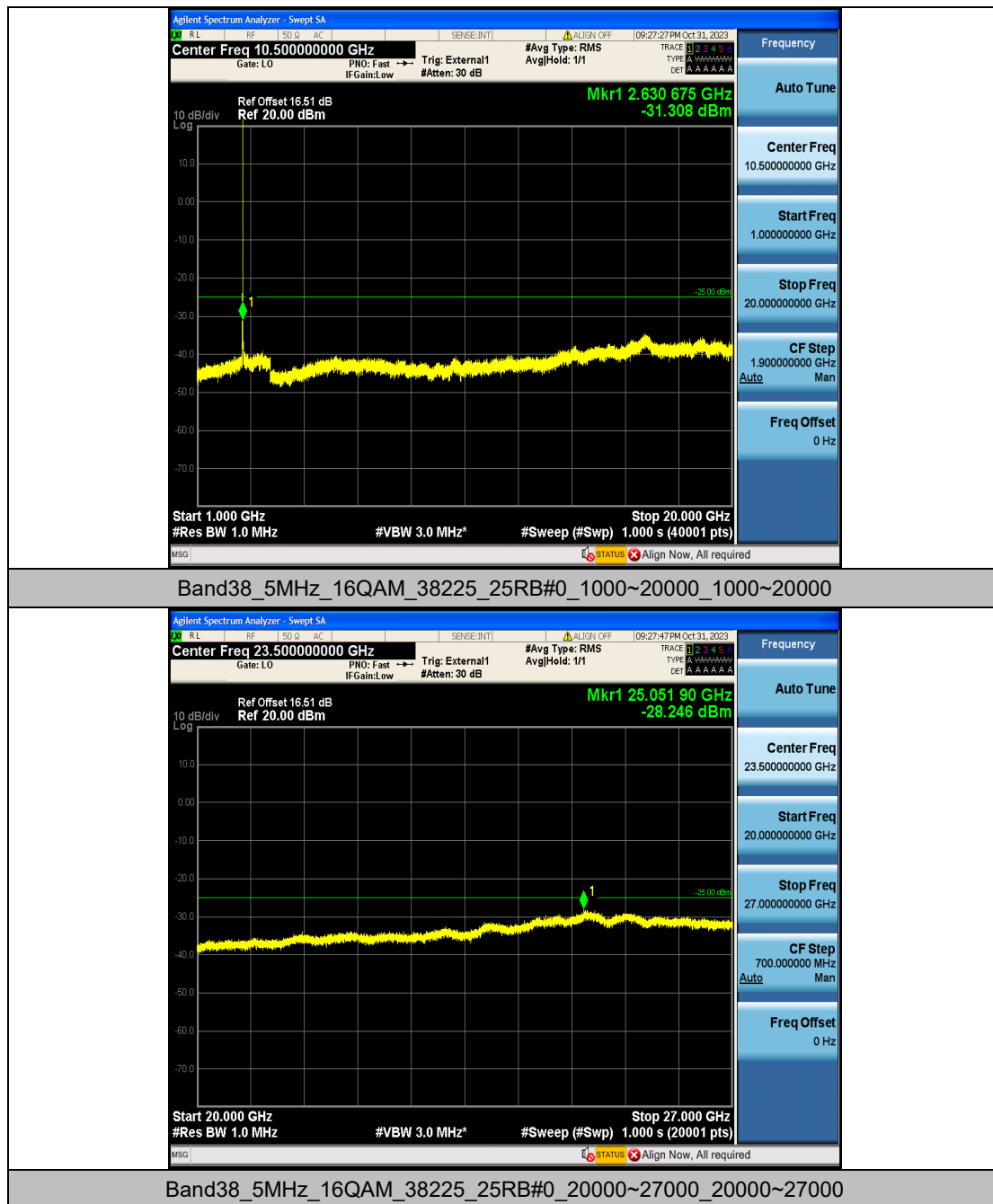


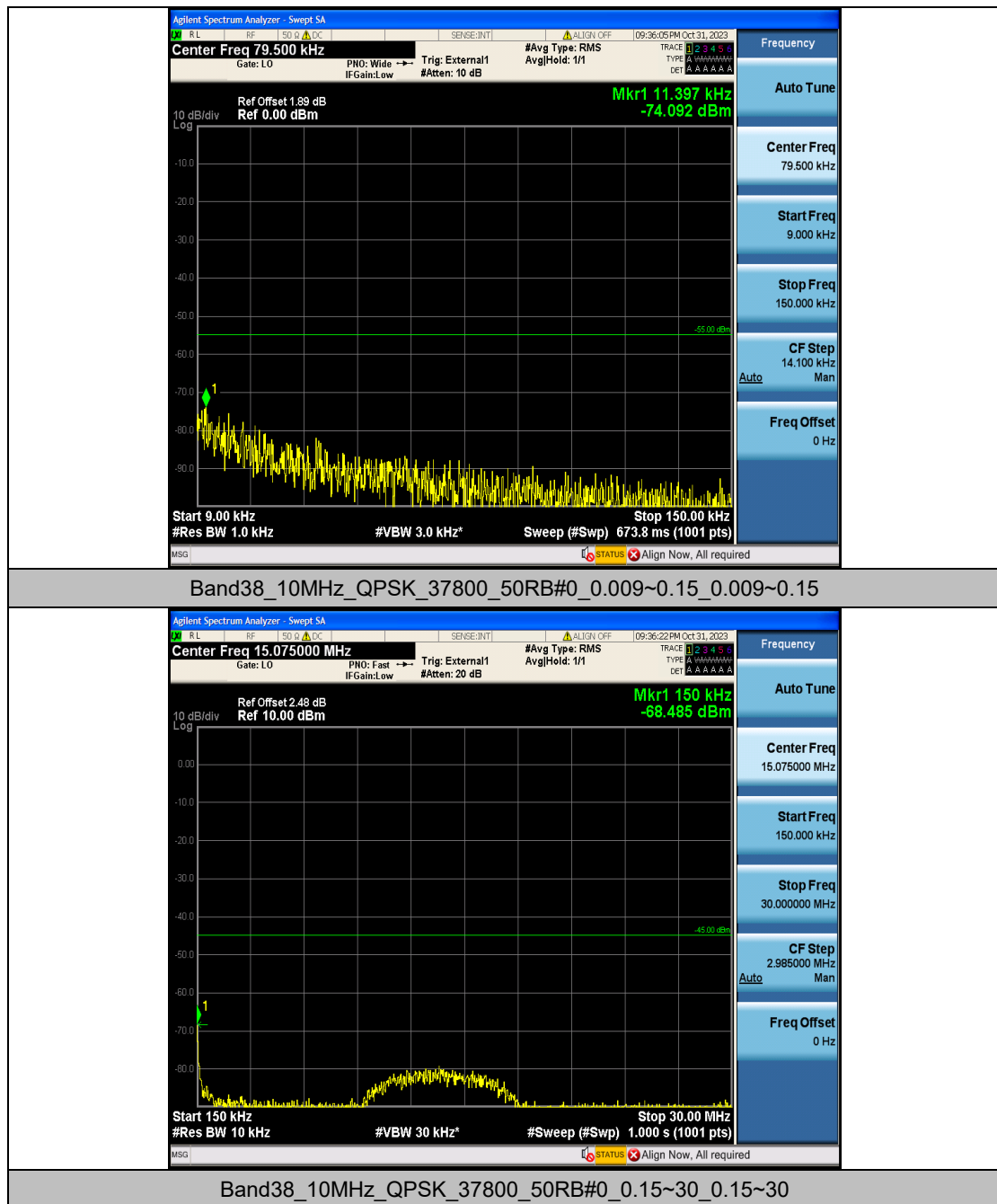


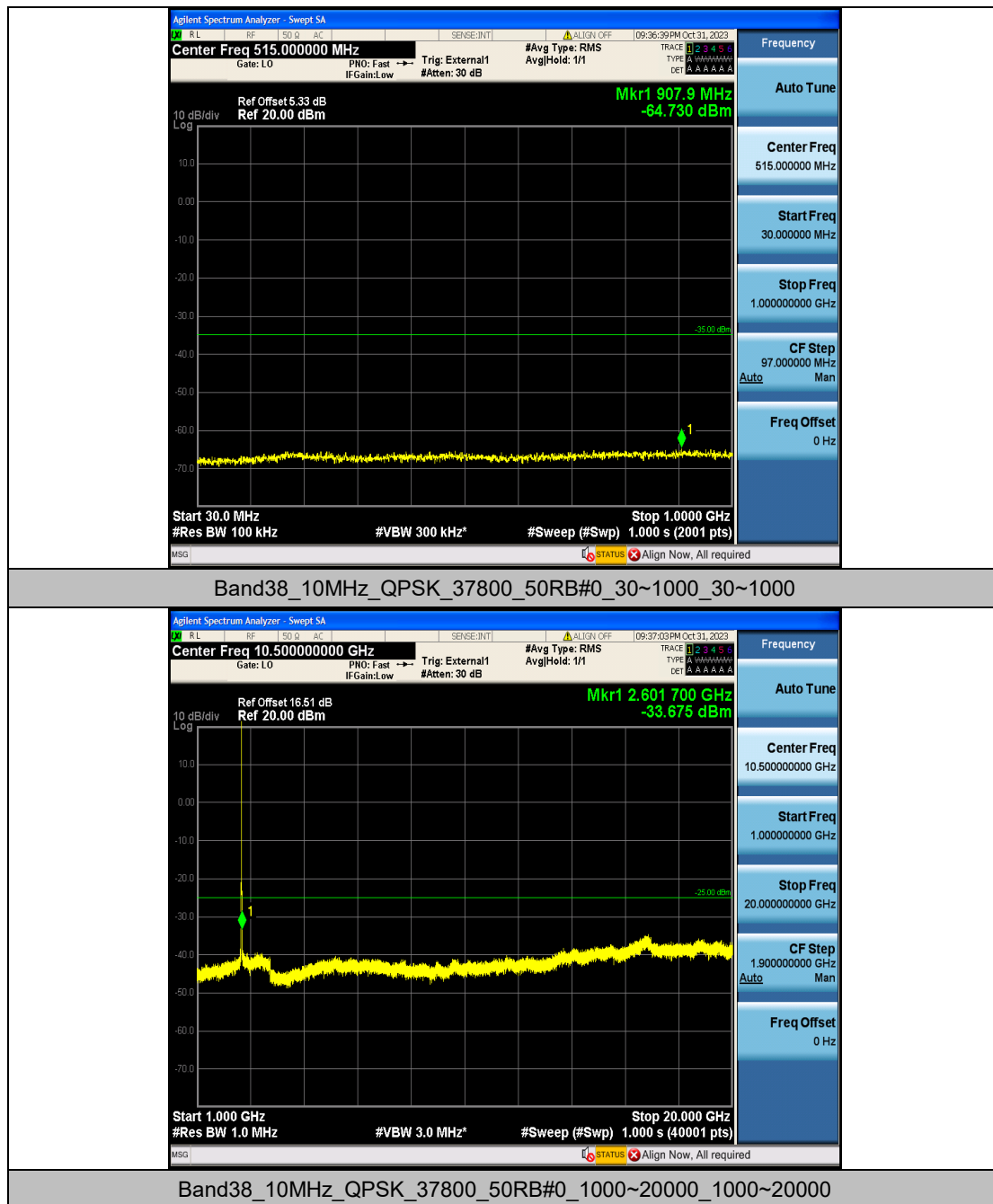


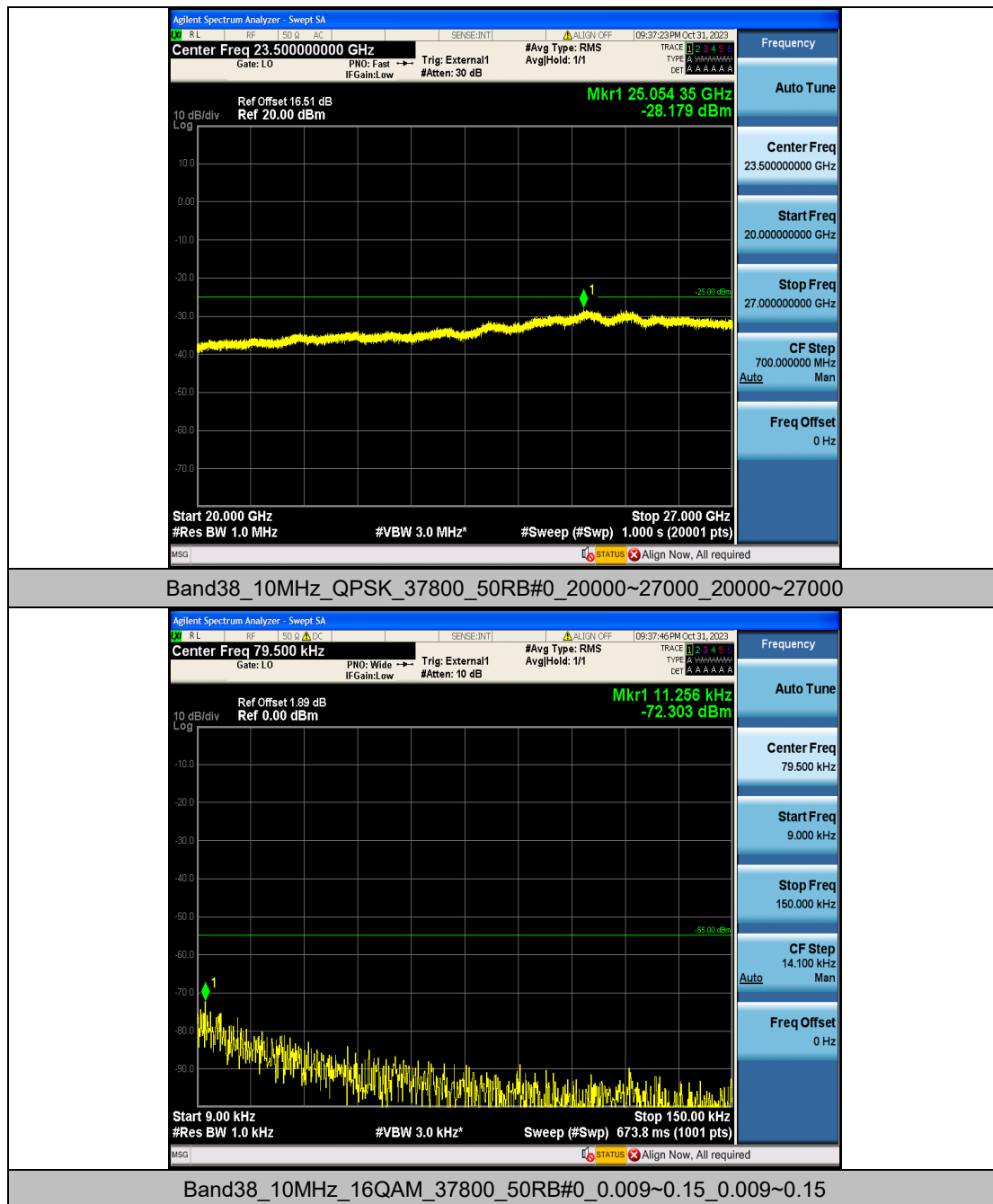


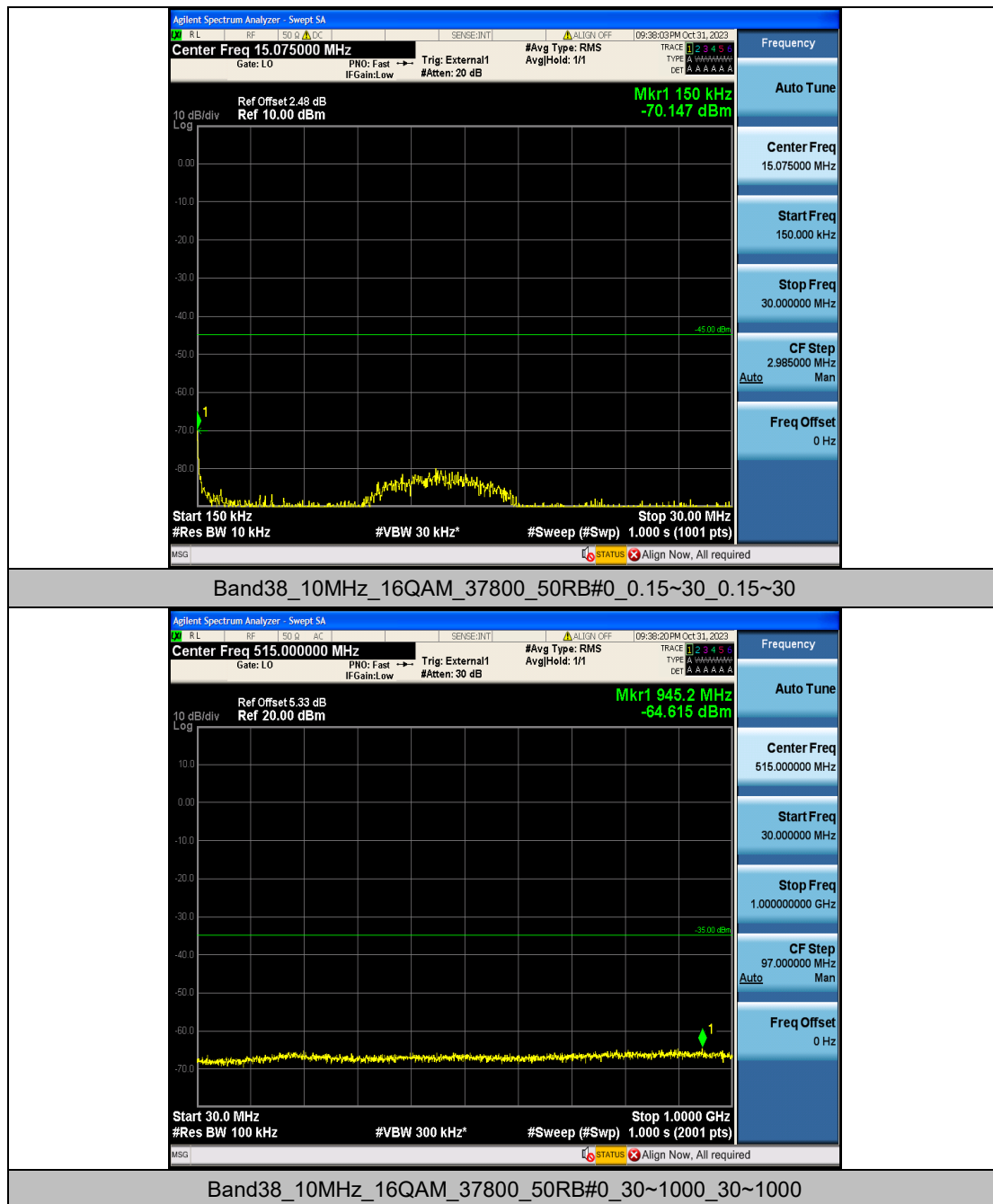


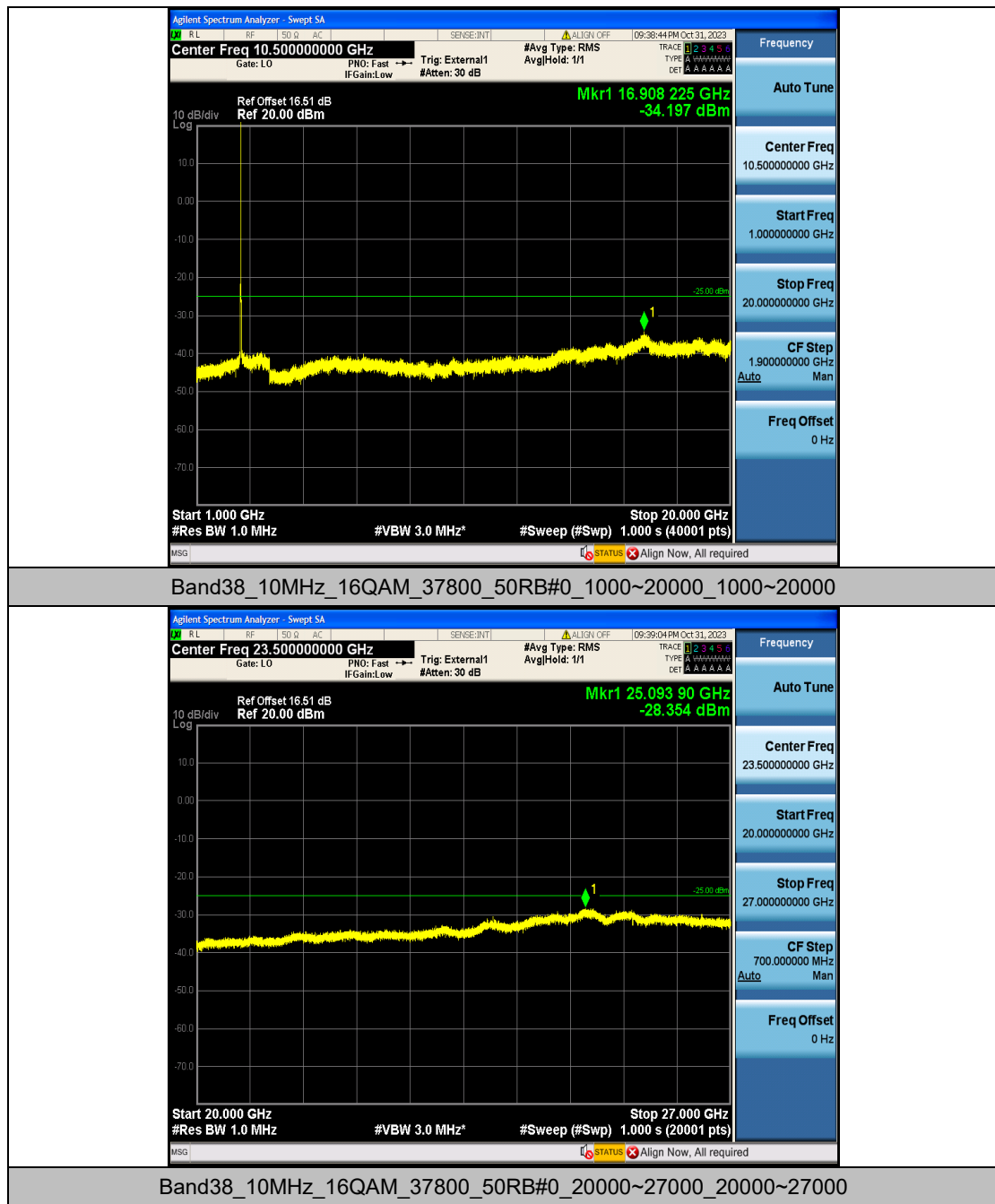


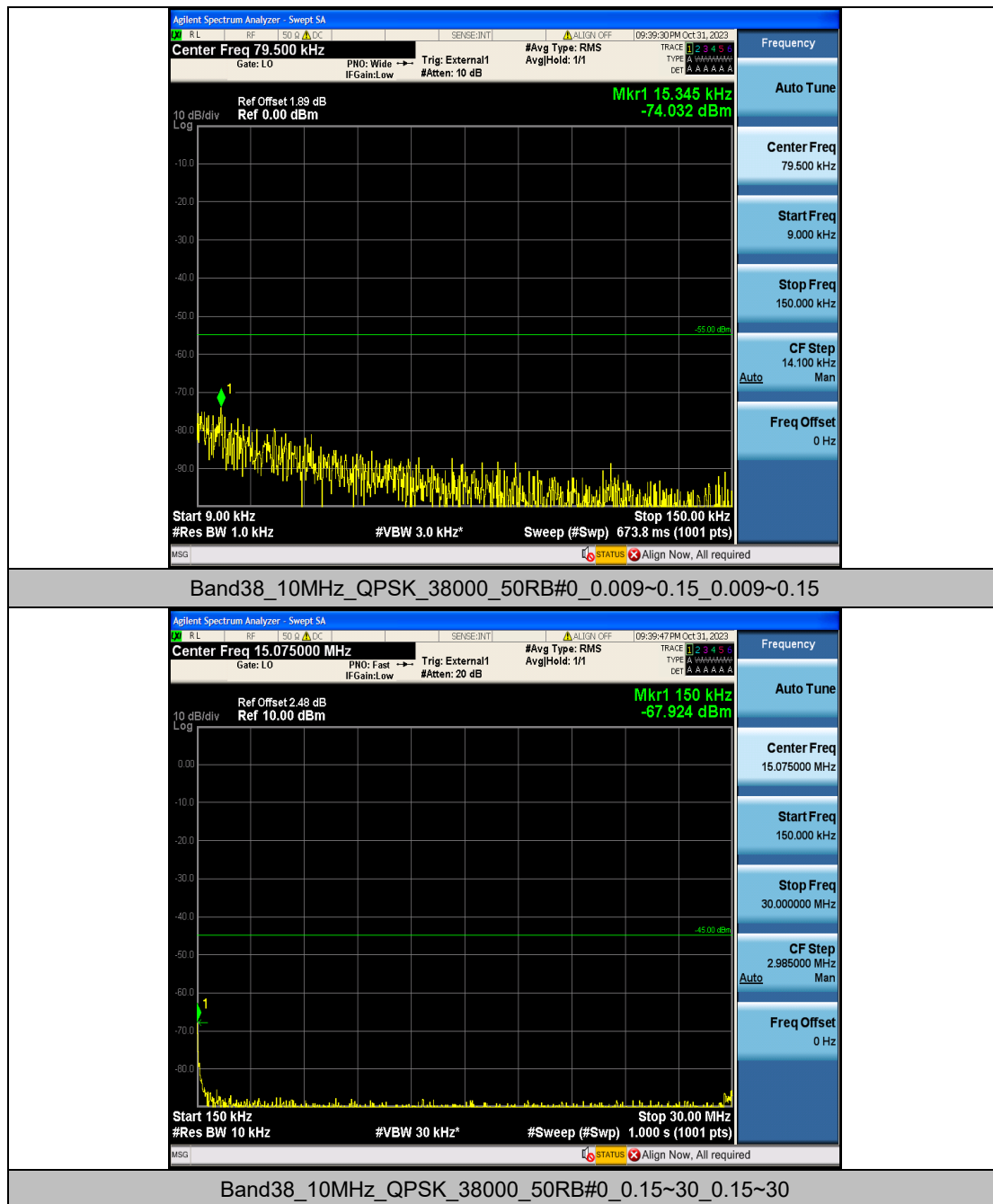


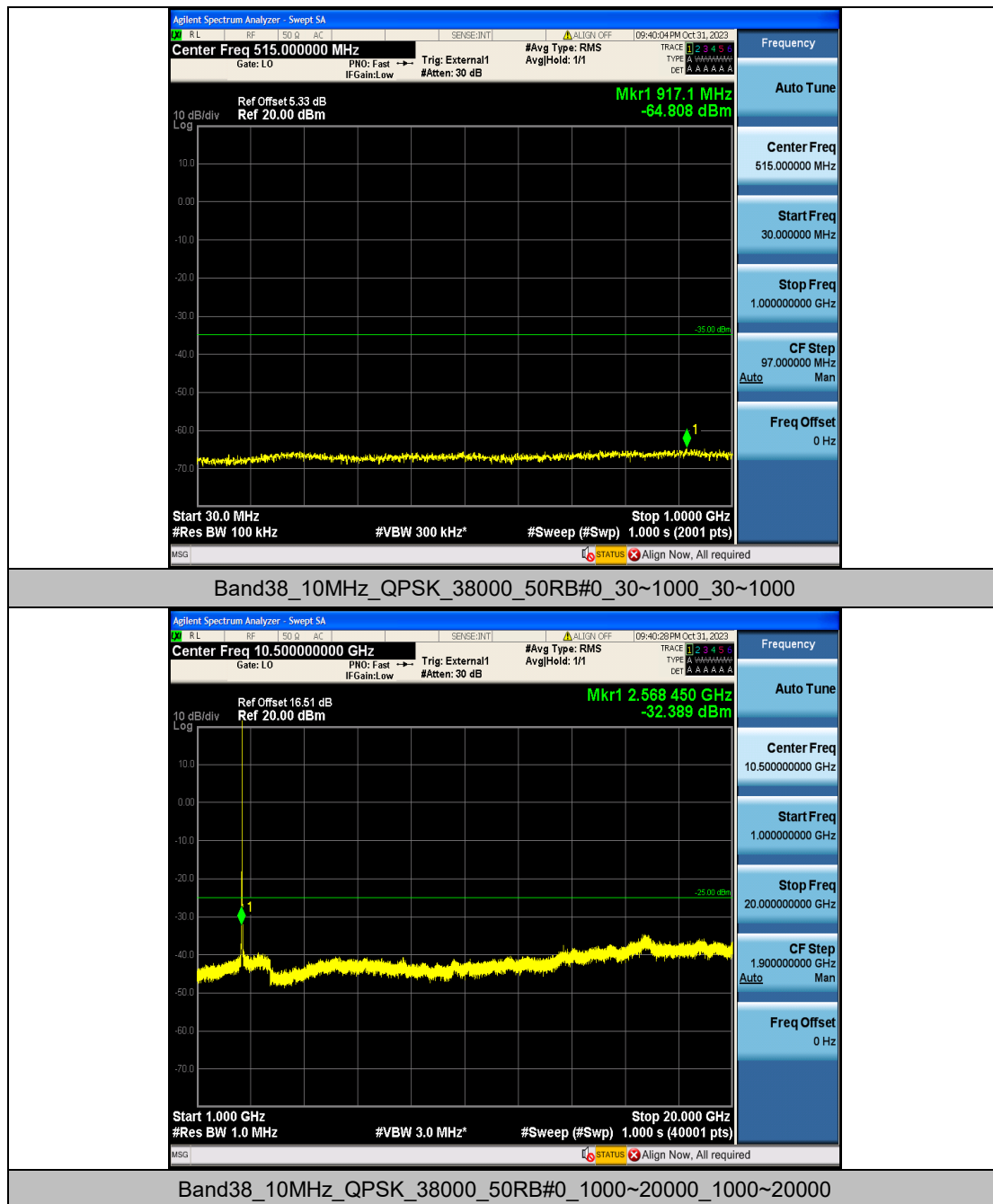






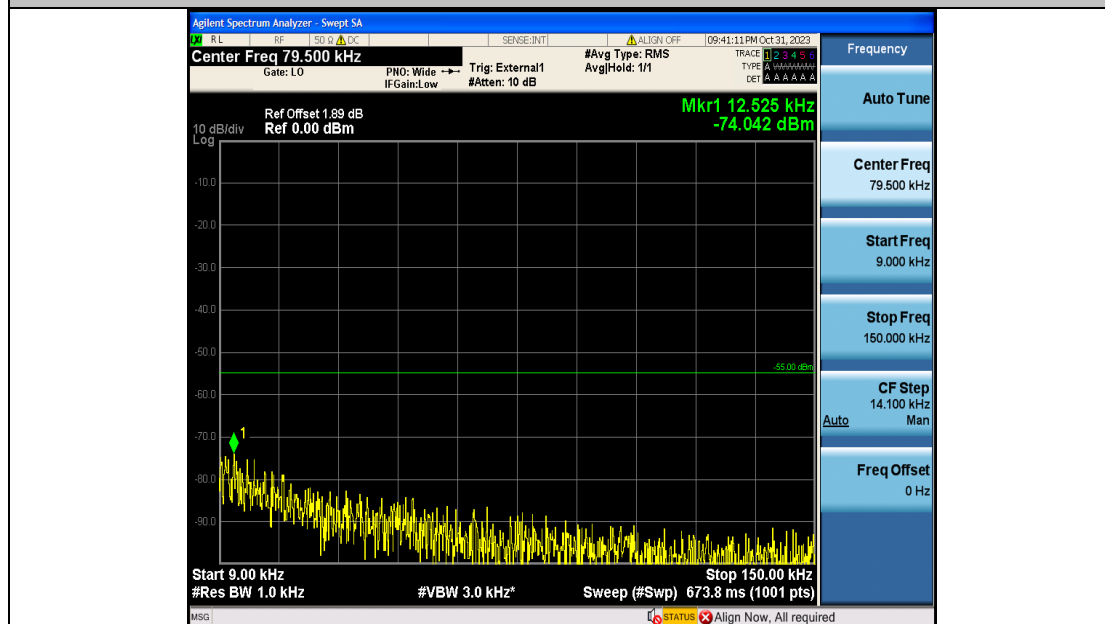








Band38_10MHz_QPSK_38000_50RB#0_20000~27000_20000~27000



Band38_10MHz_16QAM_38000_50RB#0_0.009~0.15_0.009~0.15

