

FCC LTE Band Test Data

FCC ID : 2BHCY-X100
Company: : Shenzhen ThreeTigers Trading co..Ltd.
EUT : Mobile Phone
Model Number : X100
Reviewed By : Eric Wang

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

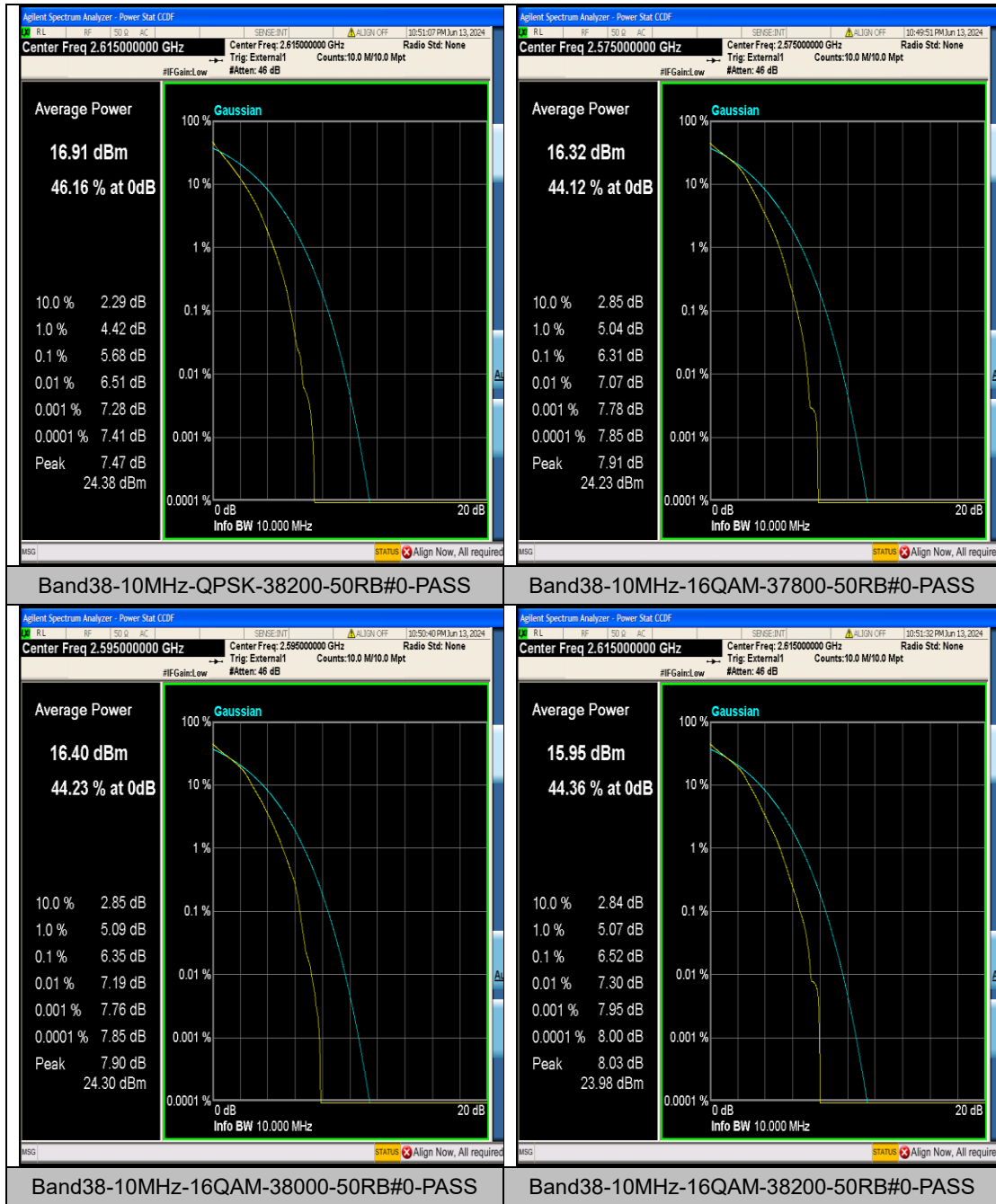
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.67	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.78	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.88	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.38	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.26	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.43	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.65	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.64	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.68	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.31	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.35	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.52	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.88	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.90	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.95	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.42	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.42	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.49	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.51	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.56	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.57	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.27	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.43	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.31	13	PASS

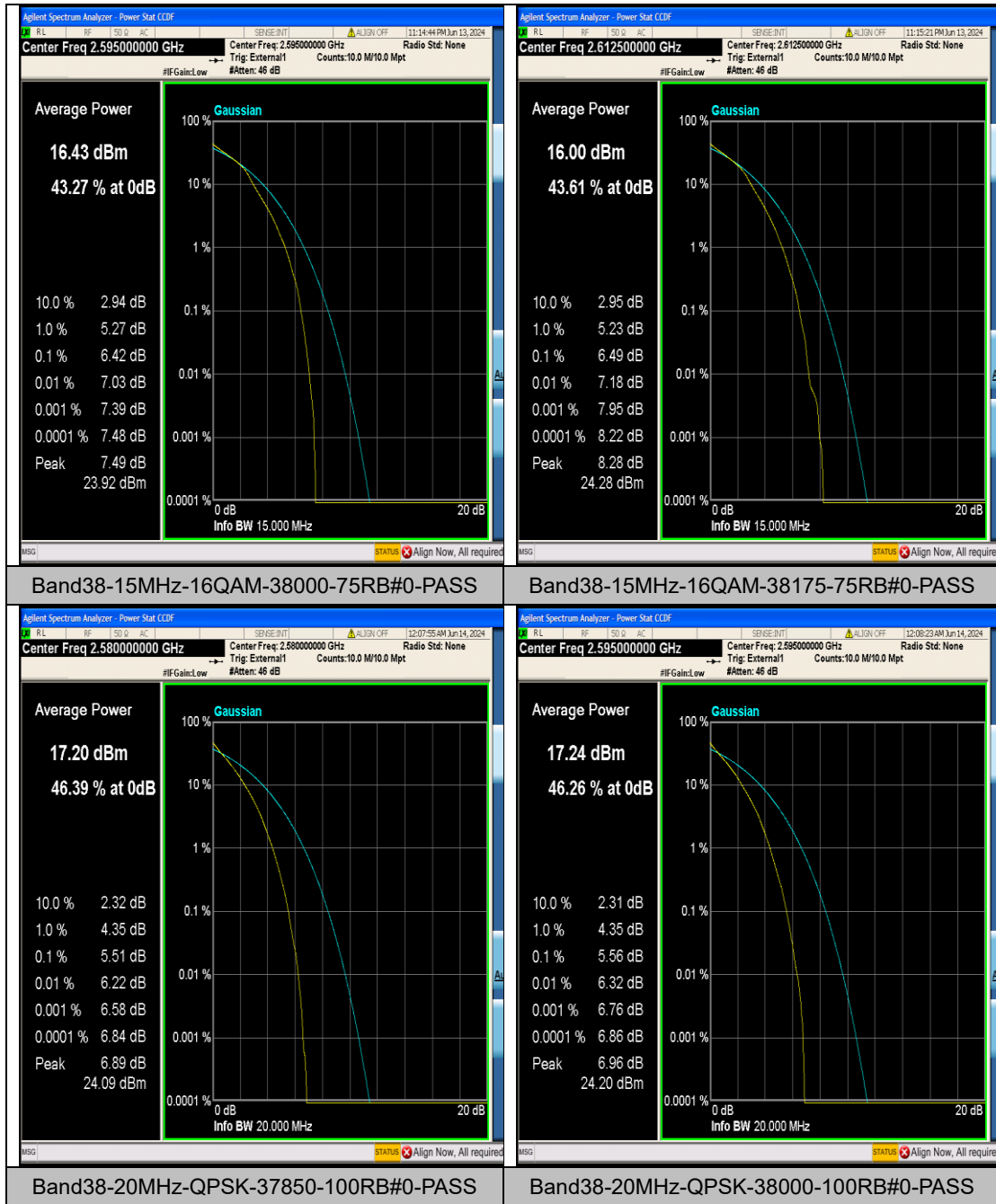
Test Graphs











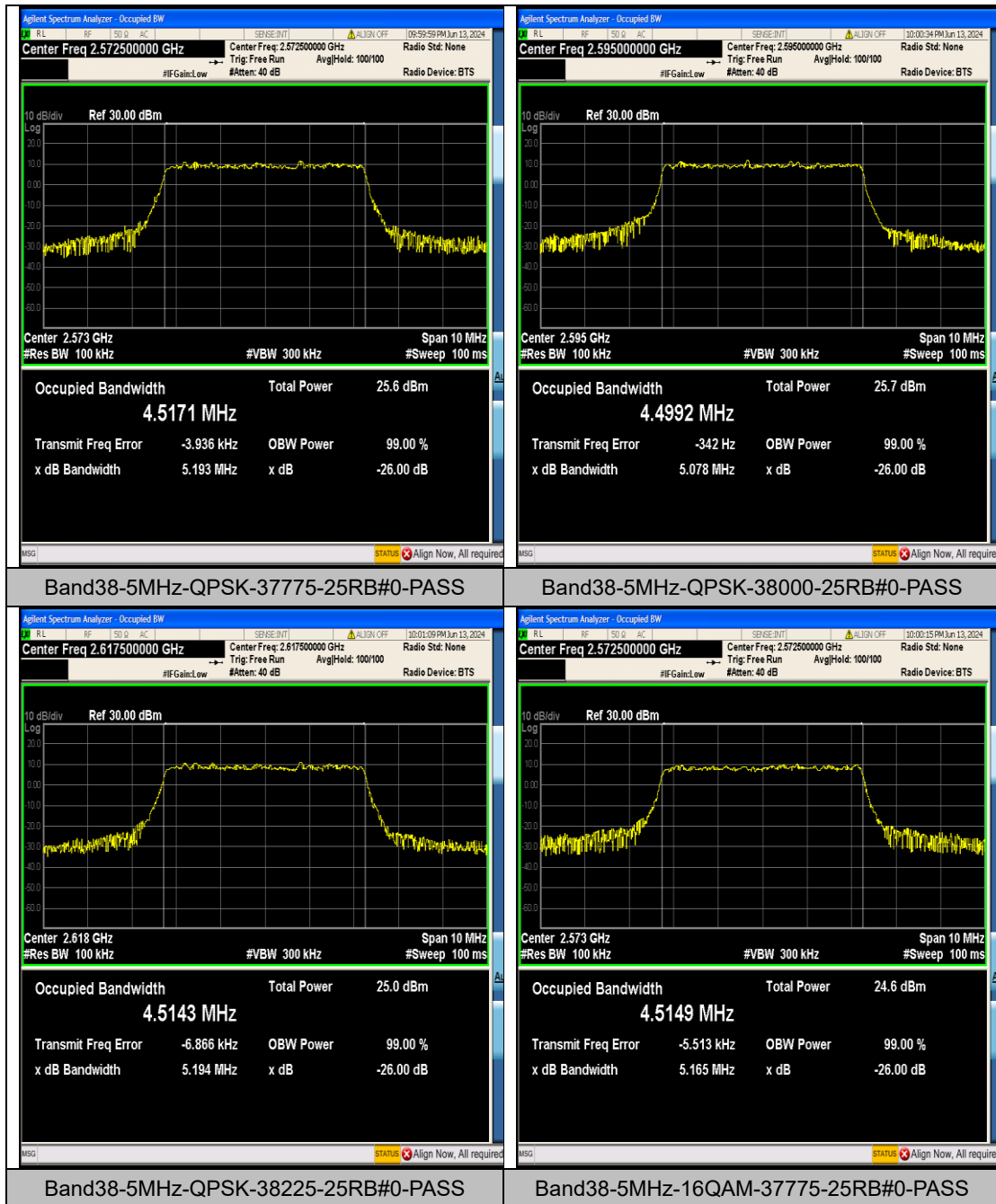


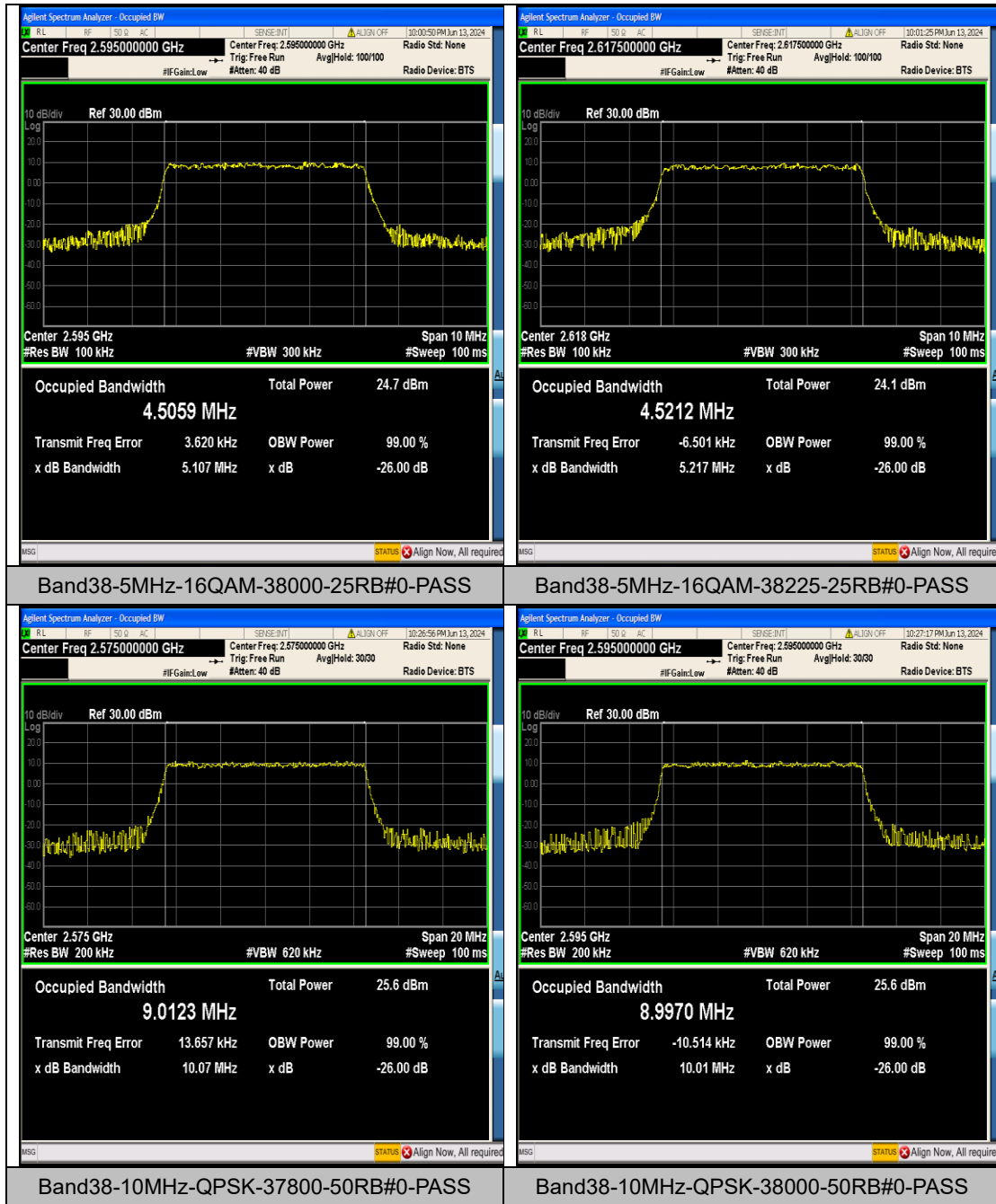
Appendix C: 26dB Bandwidth and Occupied Bandwidth

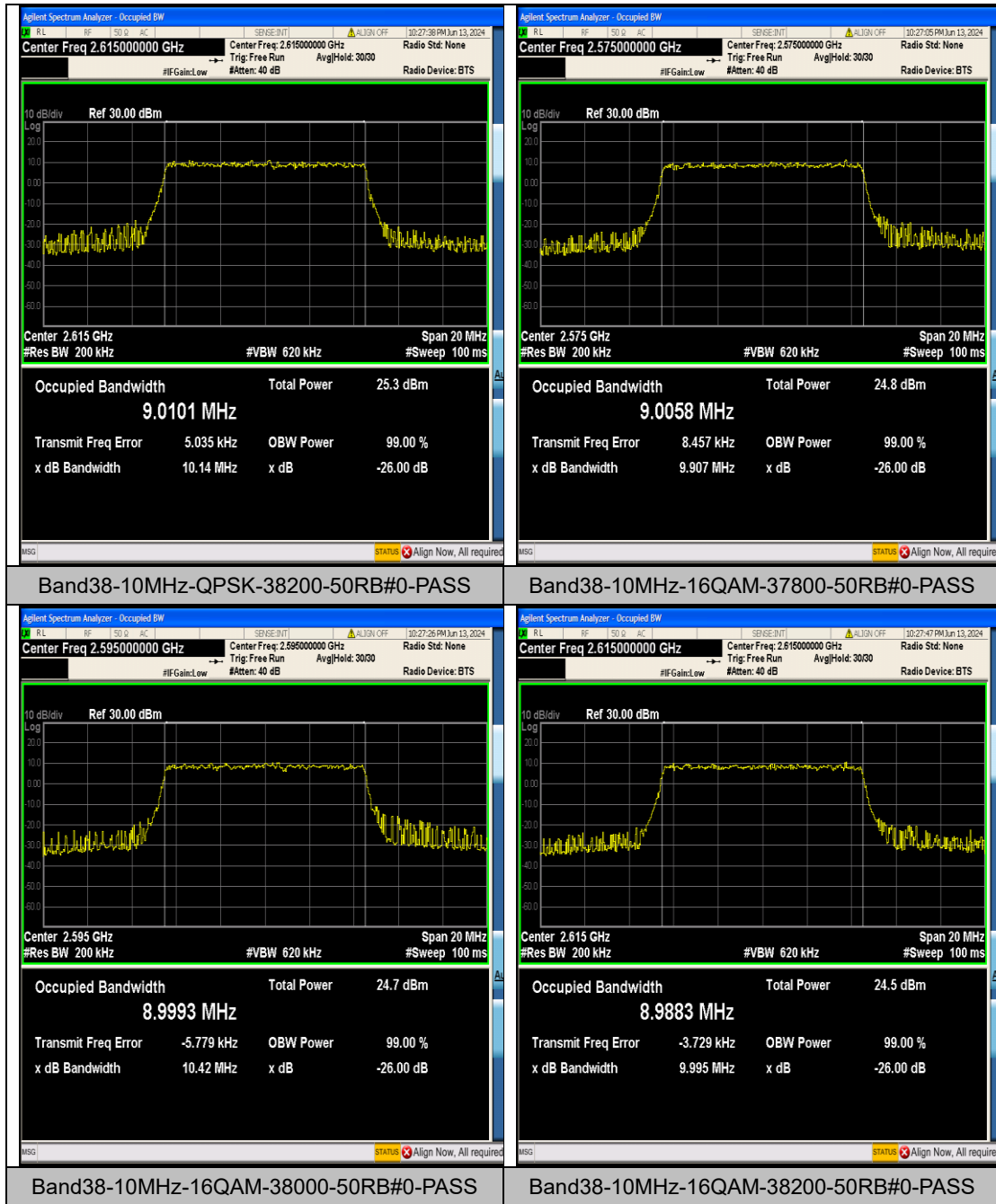
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5171	5.193	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4992	5.078	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5143	5.194	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5149	5.165	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5059	5.107	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5212	5.217	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0123	10.07	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9970	10.01	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0101	10.14	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0058	9.907	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9993	10.42	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9883	9.995	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.502	14.88	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.465	15.19	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.485	15.34	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.488	15.47	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.555	15.54	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.507	15.50	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.973	19.57	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.965	19.80	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.995	19.75	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.960	19.81	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.924	19.73	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.938	19.80	PASS

Test Graphs









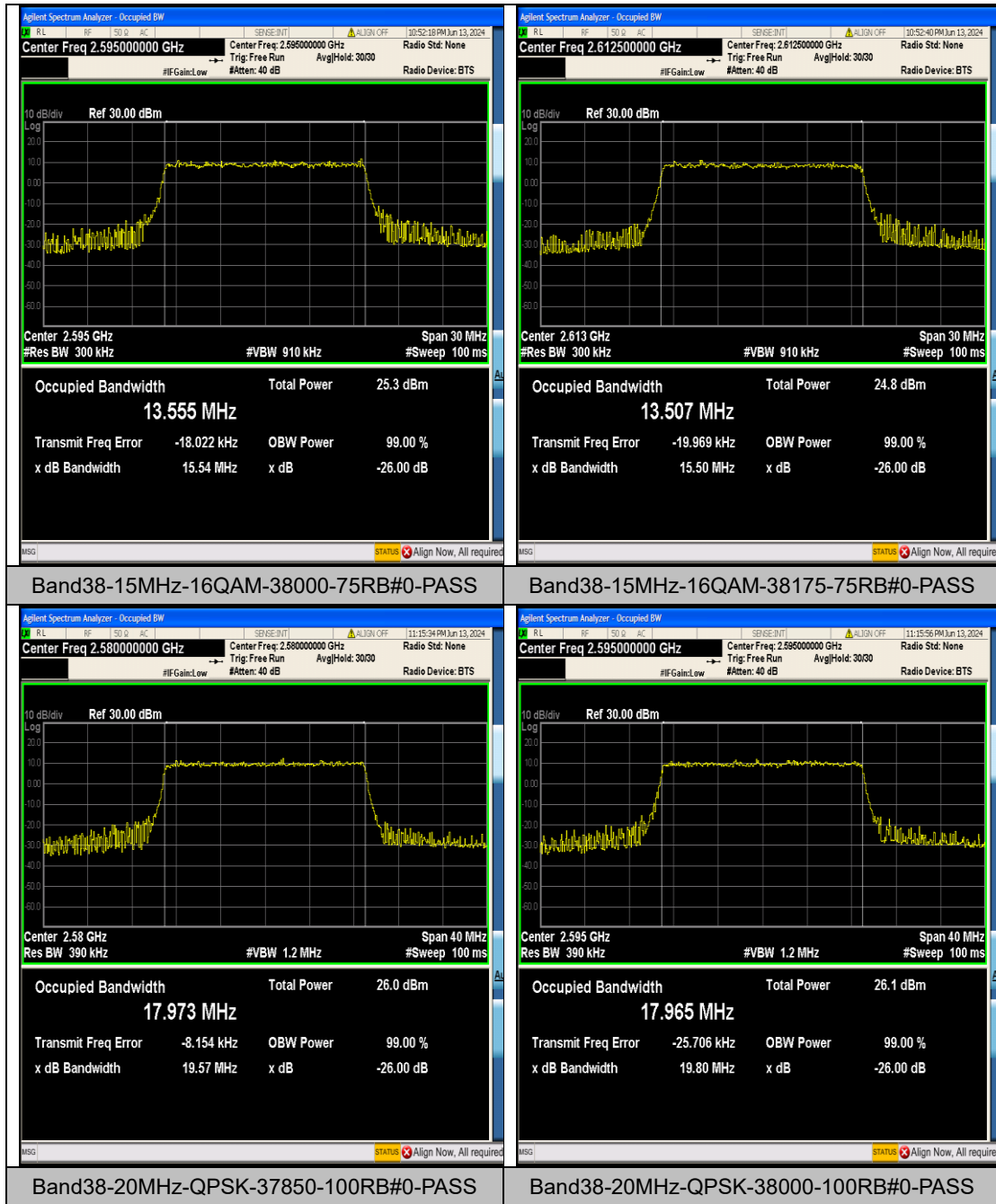
Band38-15MHz-QPSK-37825-75RB#0-PASS

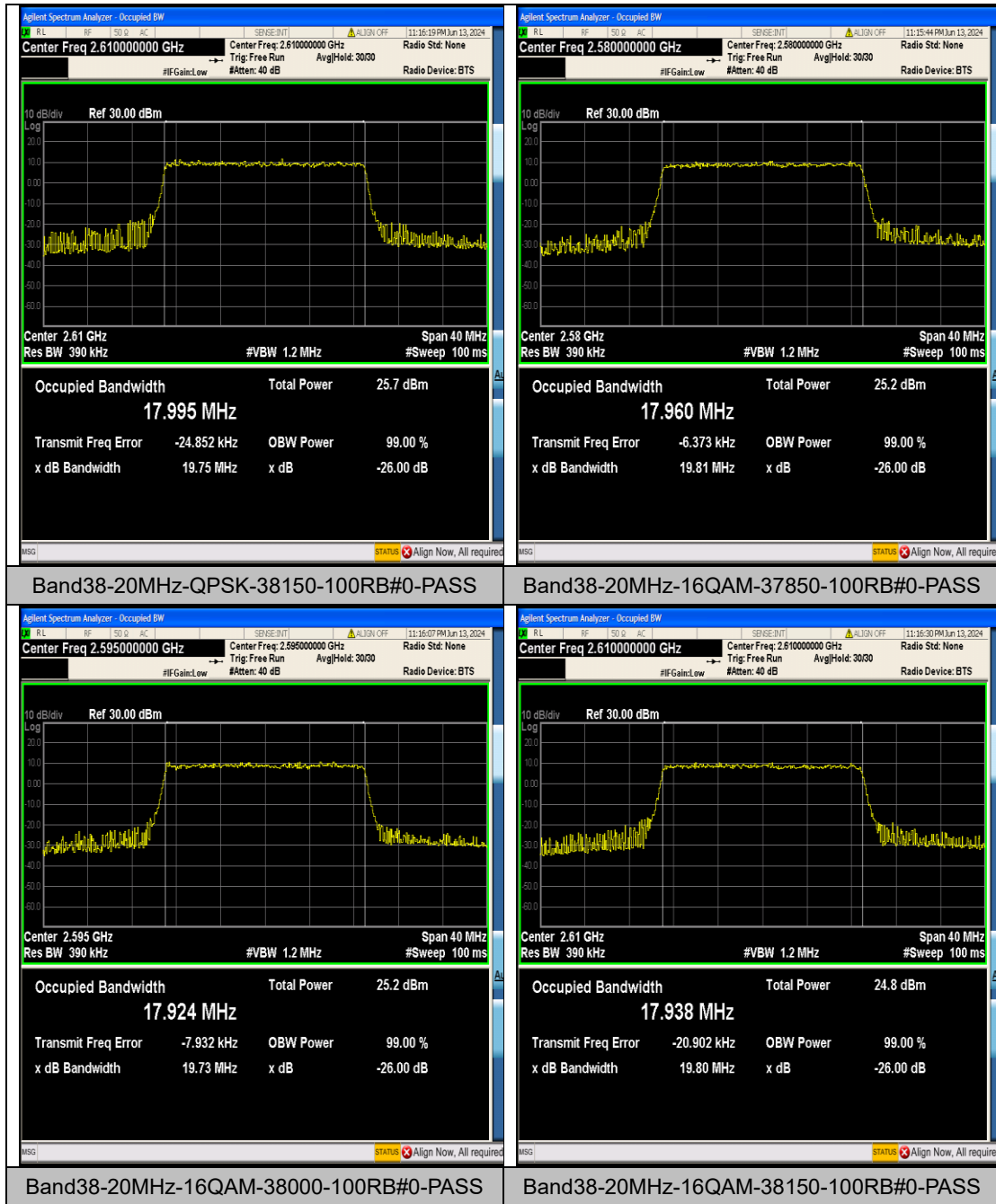
Band38-15MHz-QPSK-38000-75RB#0-PASS



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

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



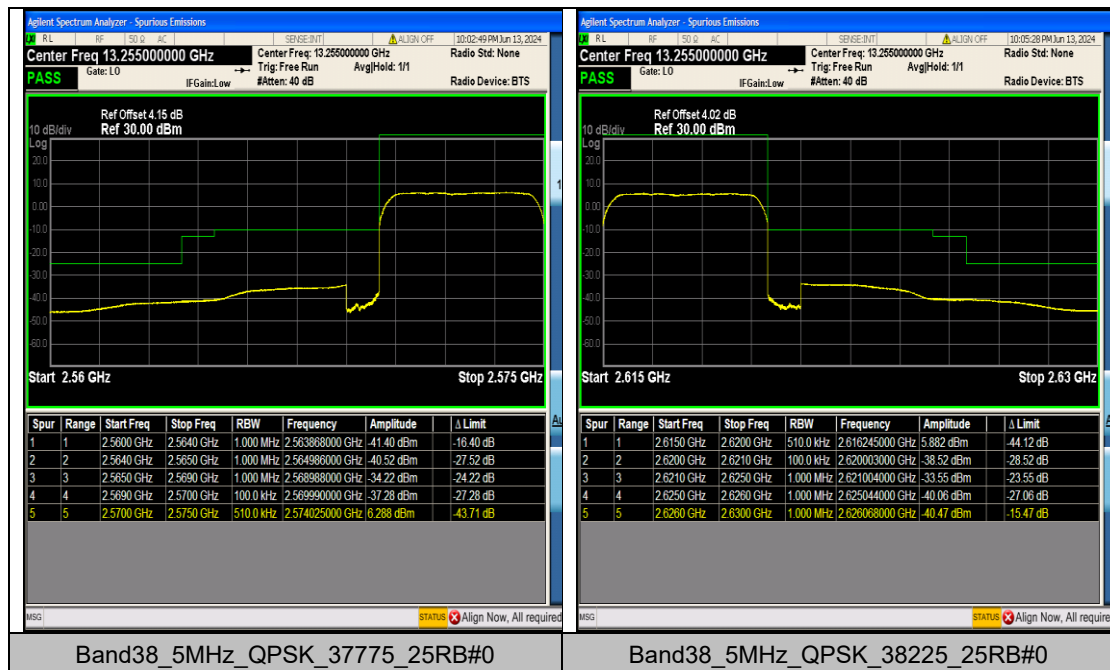


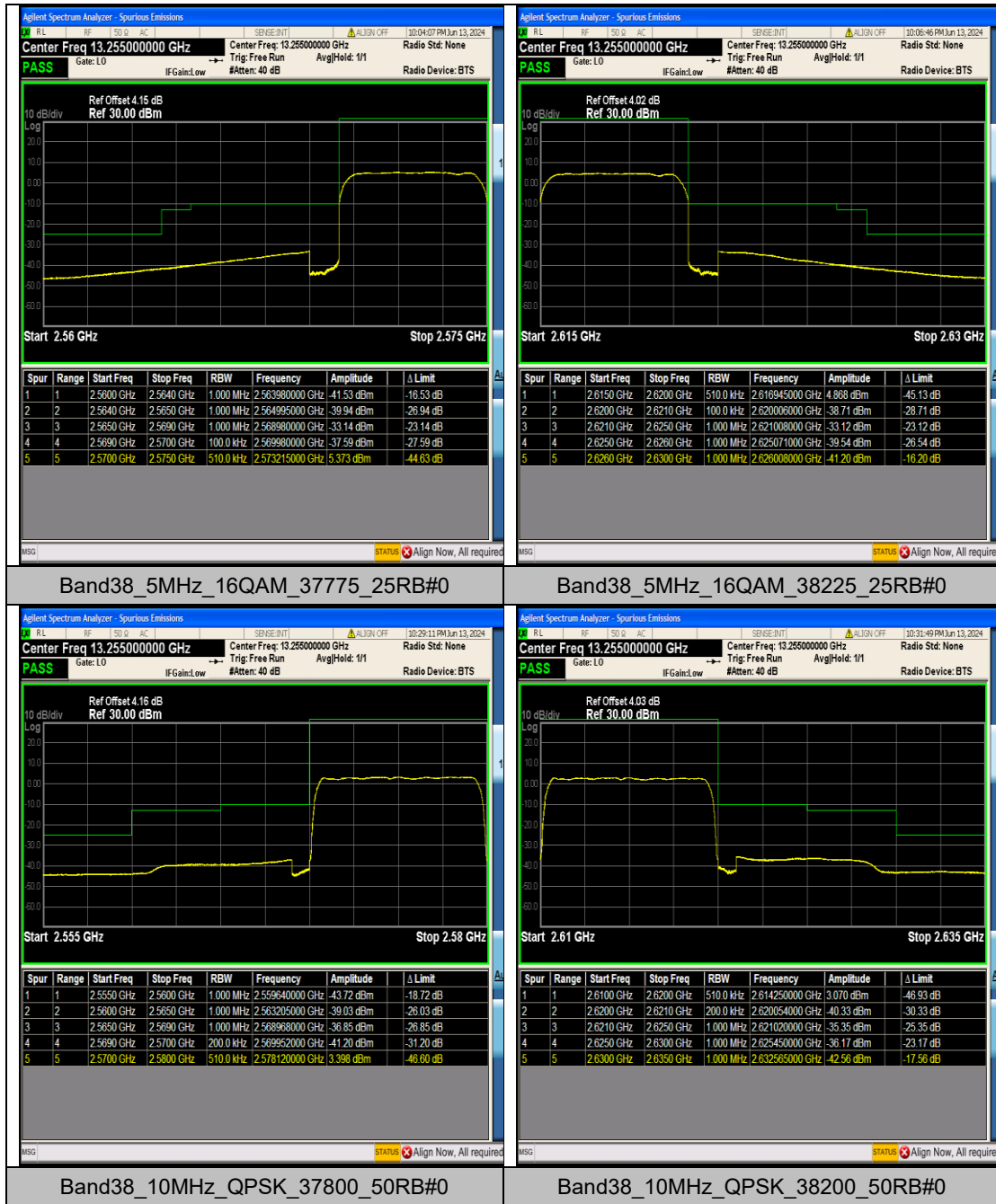
Appendix D: Band Edge

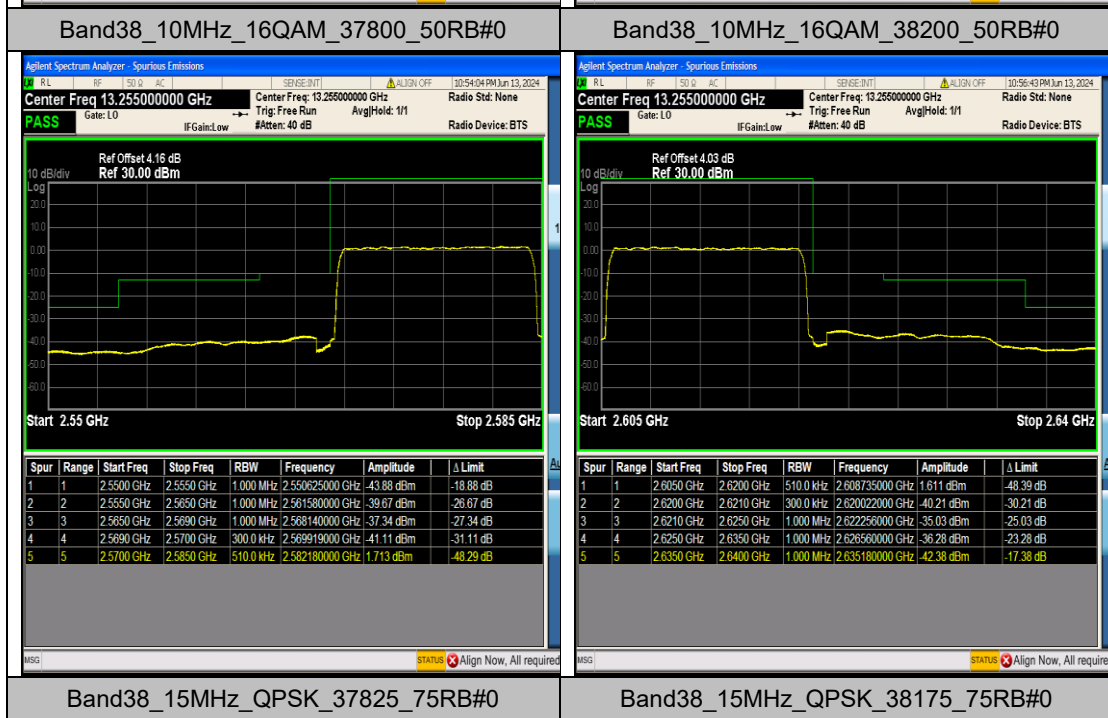
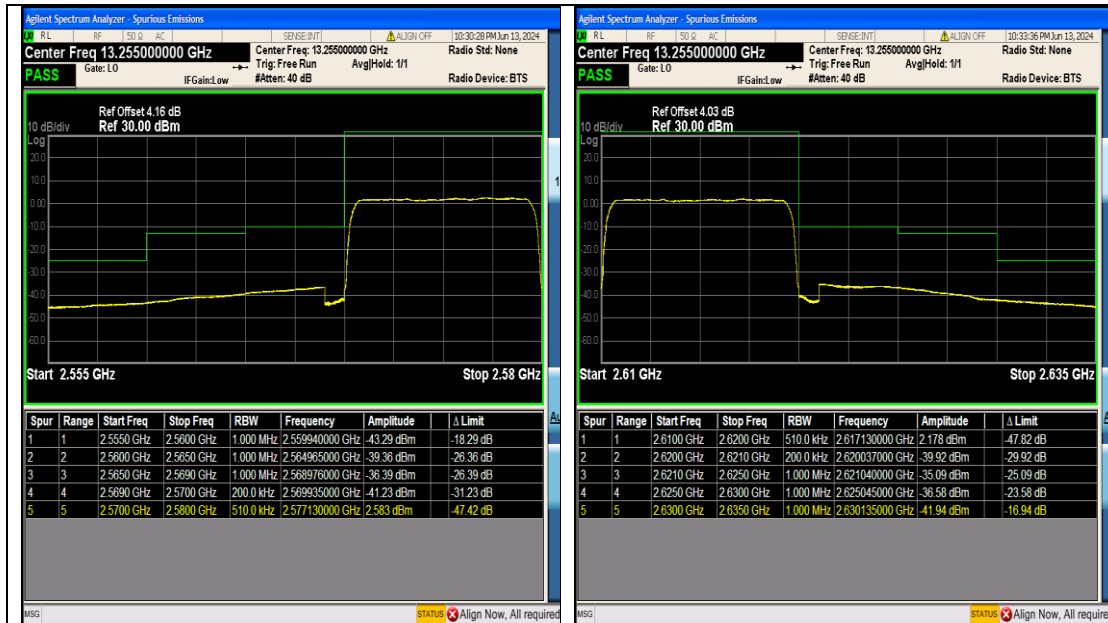
Test Result

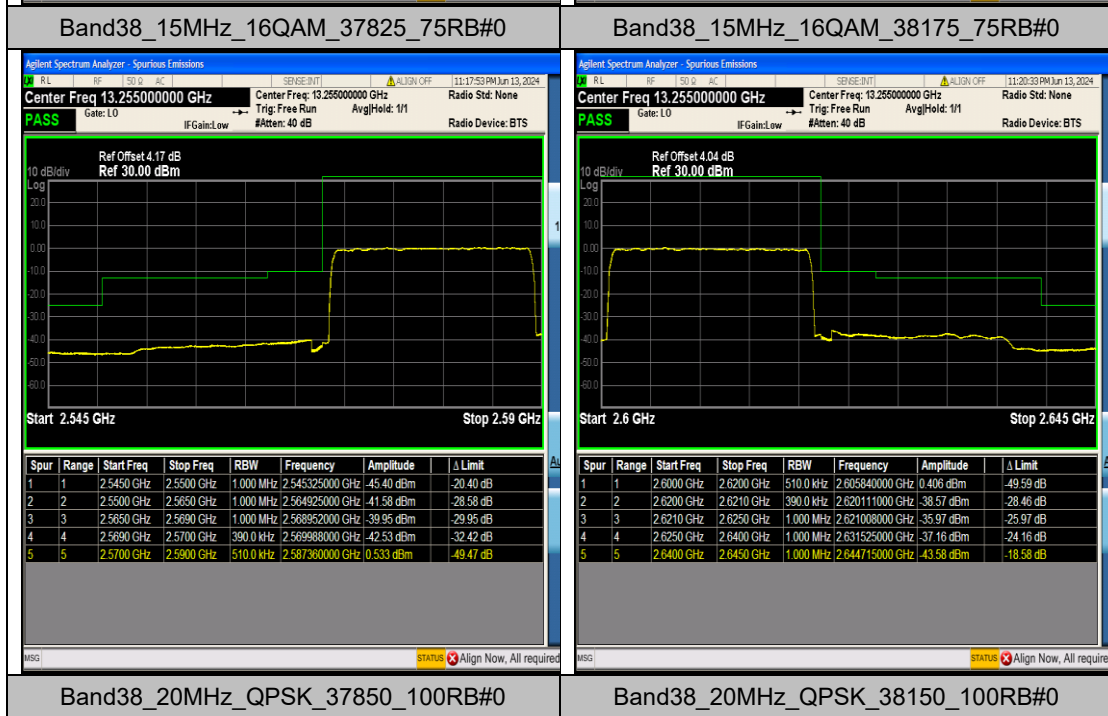
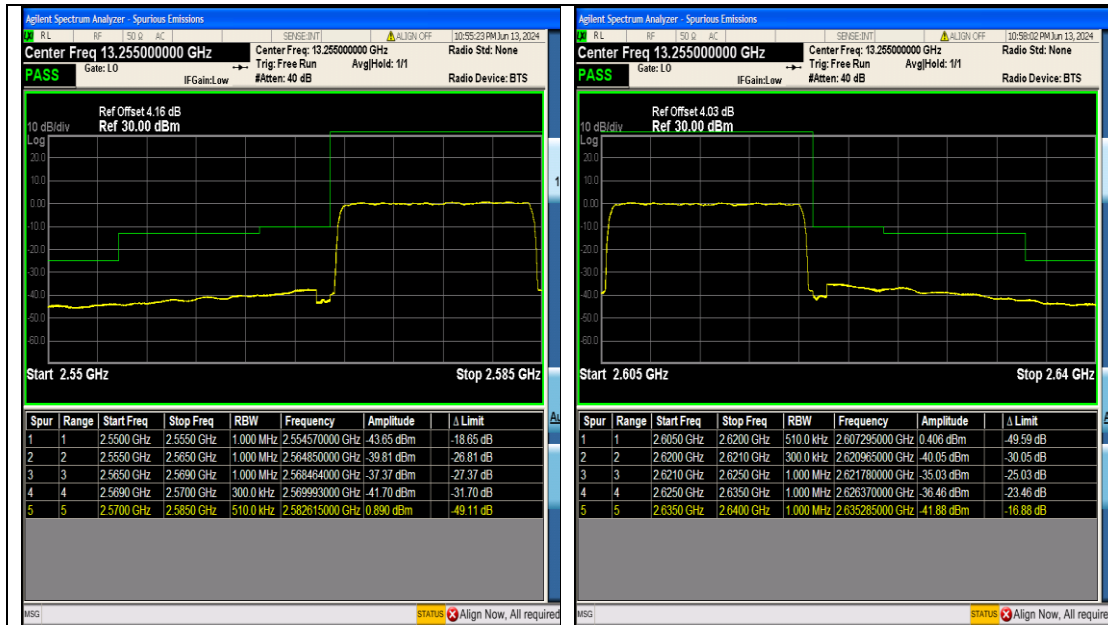
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-41.40	PASS
Band38	5MHz	QPSK	38225	25RB#0	-40.47	PASS
Band38	5MHz	16QAM	37775	25RB#0	-41.53	PASS
Band38	5MHz	16QAM	38225	25RB#0	-41.20	PASS
Band38	10MHz	QPSK	37800	50RB#0	-43.72	PASS
Band38	10MHz	QPSK	38200	50RB#0	-42.56	PASS
Band38	10MHz	16QAM	37800	50RB#0	-43.29	PASS
Band38	10MHz	16QAM	38200	50RB#0	-41.94	PASS
Band38	15MHz	QPSK	37825	75RB#0	-43.88	PASS
Band38	15MHz	QPSK	38175	75RB#0	-42.38	PASS
Band38	15MHz	16QAM	37825	75RB#0	-43.65	PASS
Band38	15MHz	16QAM	38175	75RB#0	-41.88	PASS
Band38	20MHz	QPSK	37850	100RB#0	-45.40	PASS
Band38	20MHz	QPSK	38150	100RB#0	-43.58	PASS
Band38	20MHz	16QAM	37850	100RB#0	-45.26	PASS
Band38	20MHz	16QAM	38150	100RB#0	-43.74	PASS

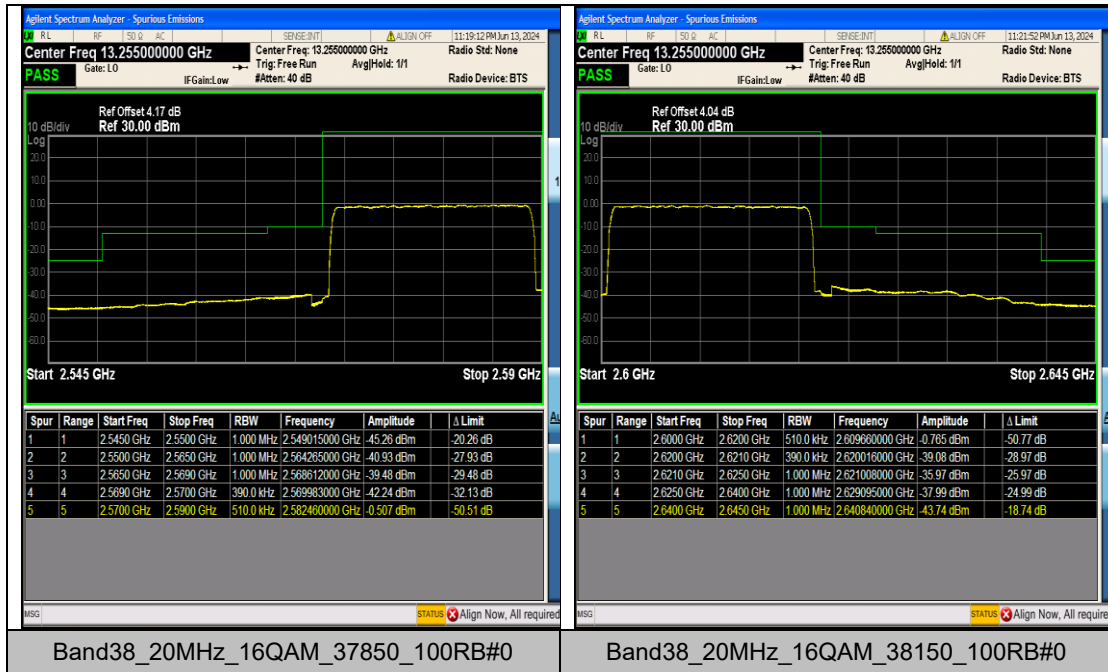
Test Graphs











Appendix E: Conducted Spurious Emission

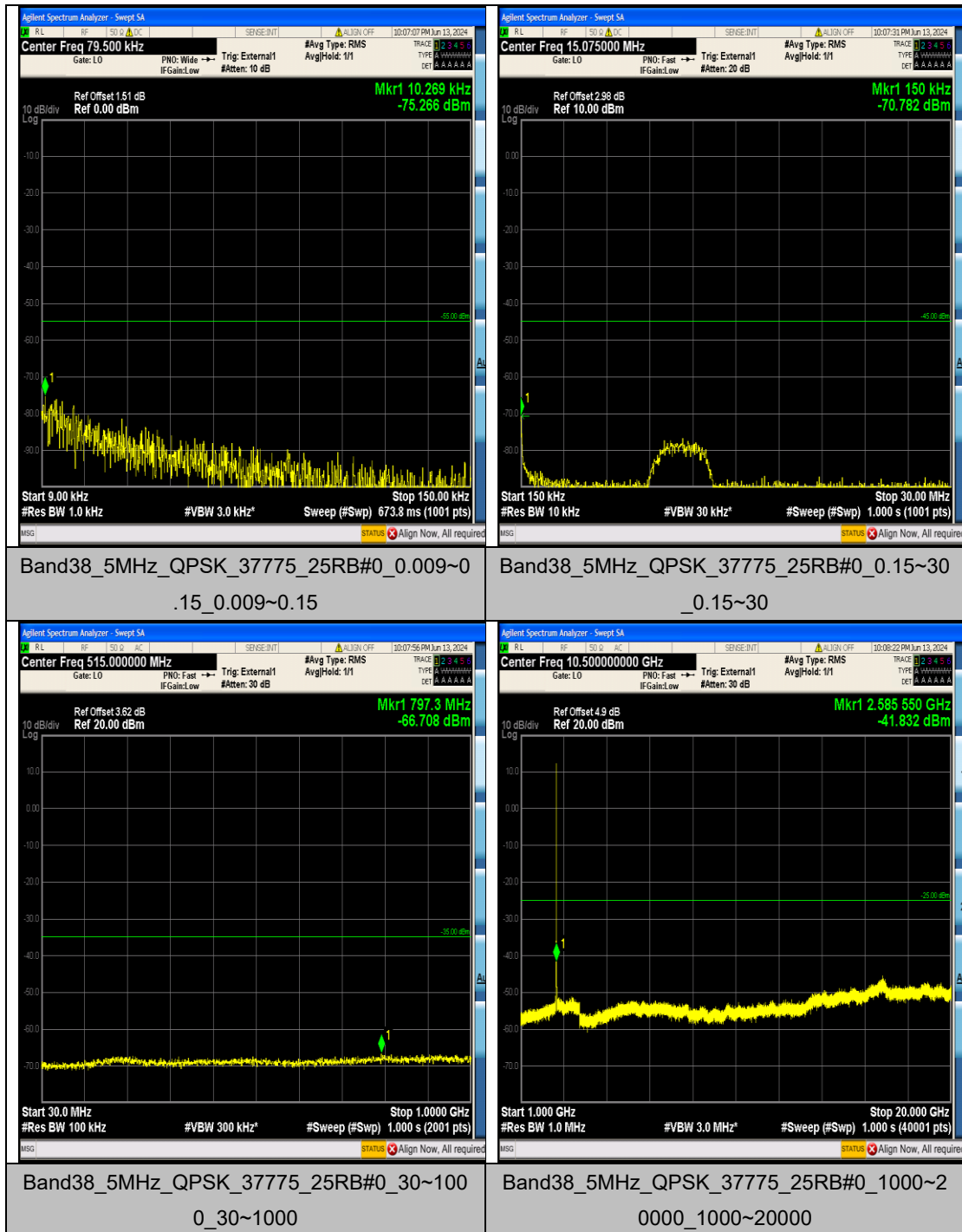
Test Result

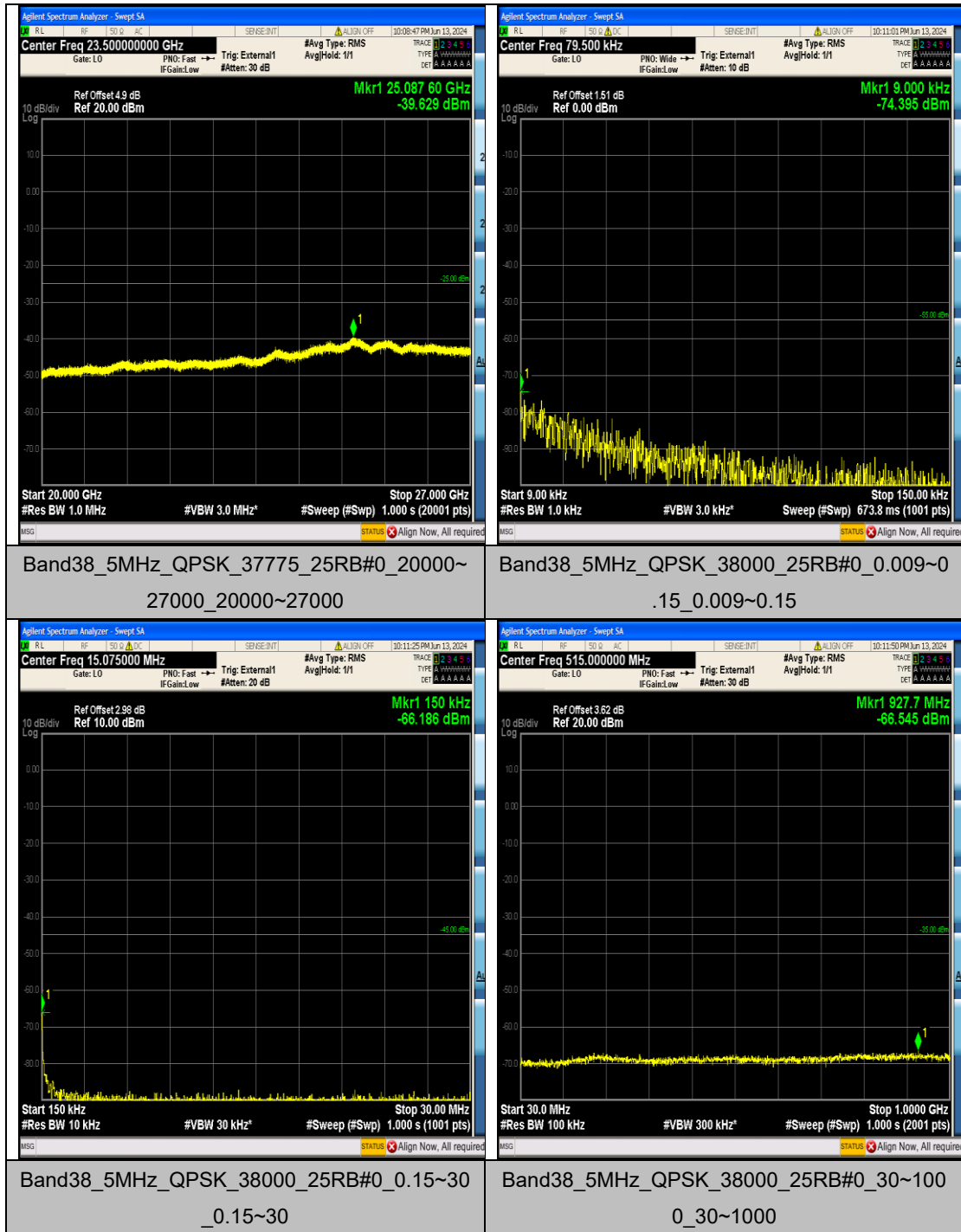
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-75.27	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-70.78	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-66.71	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-41.83	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-39.63	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-74.40	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-66.19	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-66.55	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-42.41	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-39.61	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-75.70	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-67.64	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-66.86	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-41.02	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-39.12	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-73.75	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-66.03	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-66.71	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-44.28	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-39.81	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-75.32	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-67.94	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-66.99	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-46.28	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-39.59	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-72.74	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-67.69	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-66.64	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-43.89	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-39.60	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-73.31	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-65.36	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-66.62	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-45.48	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-39.61	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-73.84	PASS

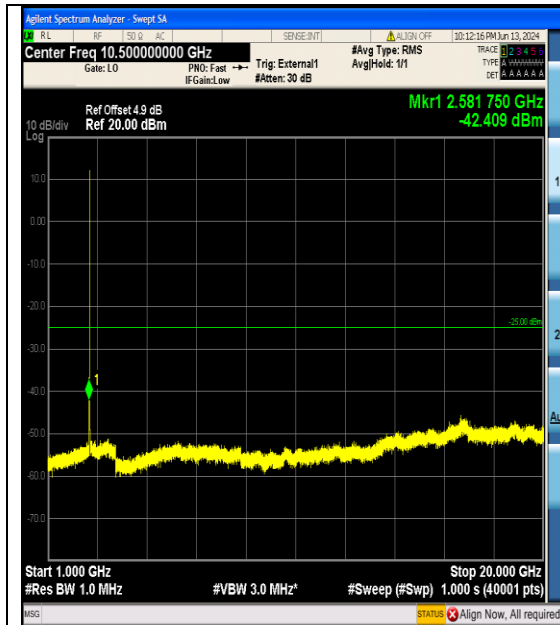
Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-67.80	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-66.53	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-45.60	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-39.61	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-72.36	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-66.06	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-66.16	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-44.98	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-39.76	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-71.59	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-66.57	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-66.82	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-46.15	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-39.79	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-73.97	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-65.35	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-66.79	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-46.40	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-39.72	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-73.56	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-66.26	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-66.44	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-46.10	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-39.84	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-72.51	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-66.24	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-66.69	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-45.26	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-39.41	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-74.44	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-67.86	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-66.47	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-46.04	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-39.75	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-73.29	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-69.07	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-66.72	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-43.79	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-39.72	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-73.10	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-67.12	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-66.16	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-46.15	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-39.68	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-73.37	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-66.86	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-66.92	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-46.22	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-39.84	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-74.37	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-66.16	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-66.58	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-44.06	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-39.81	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-72.52	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-66.29	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-67.01	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-46.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-39.83	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-73.13	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-66.08	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-66.40	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-46.36	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-39.36	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-71.25	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-65.24	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-66.75	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-46.36	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-39.72	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-74.54	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-66.48	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-66.64	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-46.20	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-39.50	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-73.83	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-66.61	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-66.78	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-46.29	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-39.51	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-75.07	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-66.57	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-66.62	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-45.78	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-39.72	PASS

Test Graphs



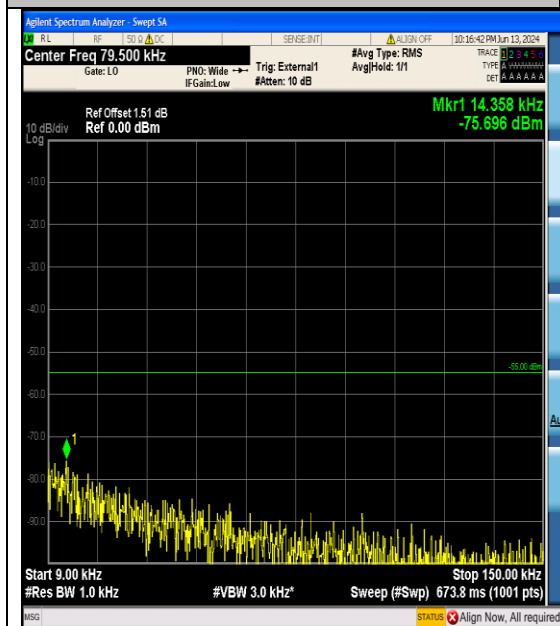




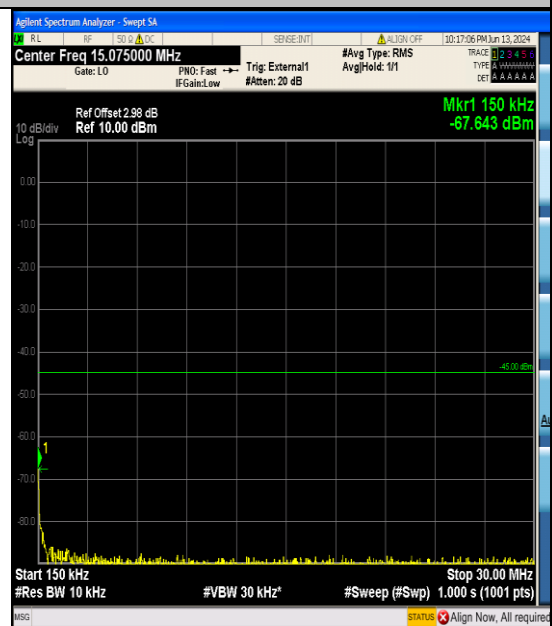
Band38_5MHz_QPSK_38000_25RB#0_1000~20000_1000~20000



Band38_5MHz_QPSK_38000_25RB#0_20000~27000_20000~27000



Band38_5MHz_QPSK_38225_25RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_QPSK_38225_25RB#0_0.15~30_0.15~30