

FCC Appendix RF Test Data for LTE Band 17

Company: : **Gastor Pty Ltd**

EUT : **GPS tracker**

Model Number : **AG45**

FCC ID : **2BU7Q-AG45**

Report No. : **CTA26031300108**

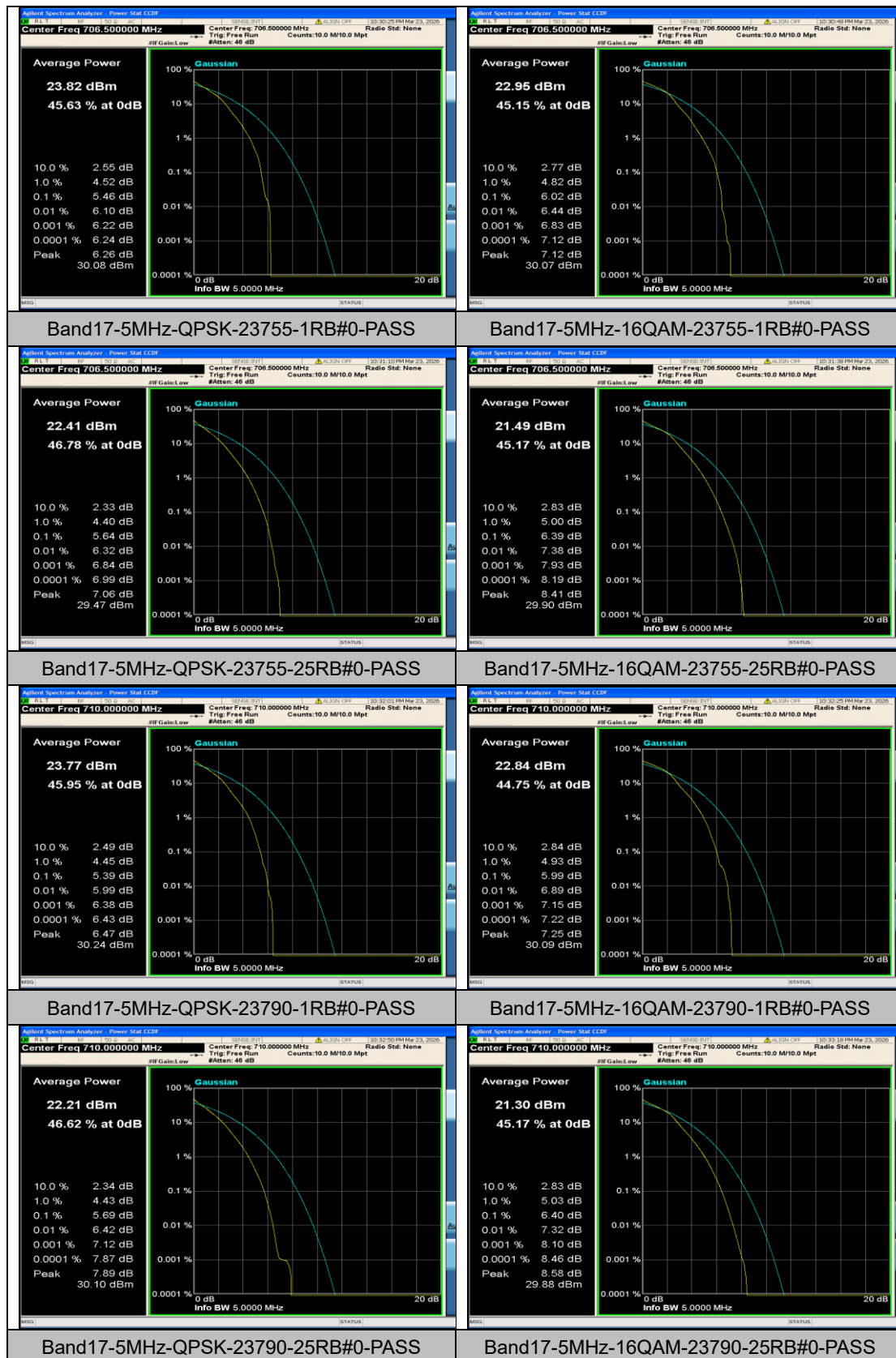
Reviewed By : **Eric Wang**

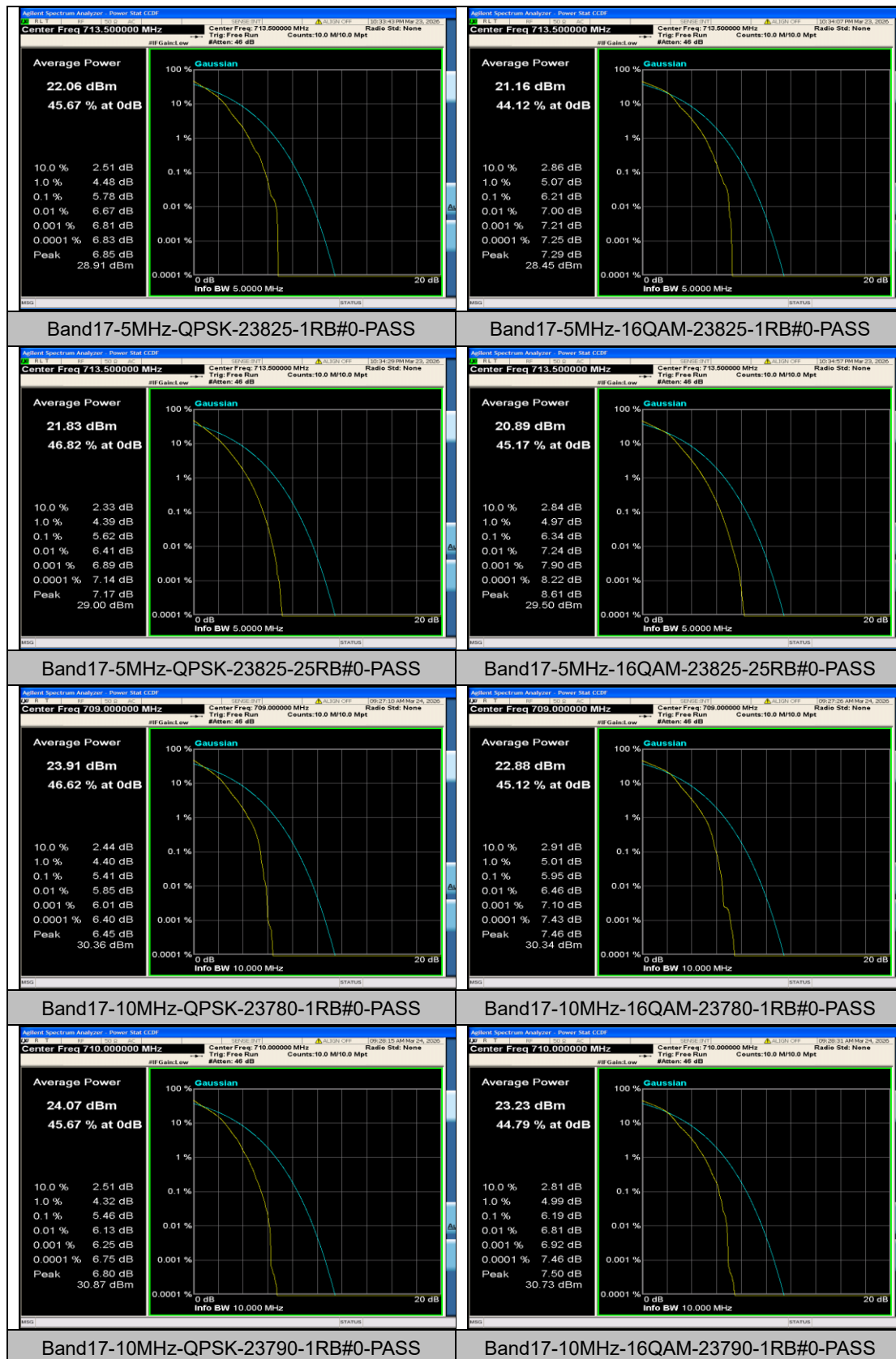
Appendix B: Peak-to-Average Ratio(CCDF)

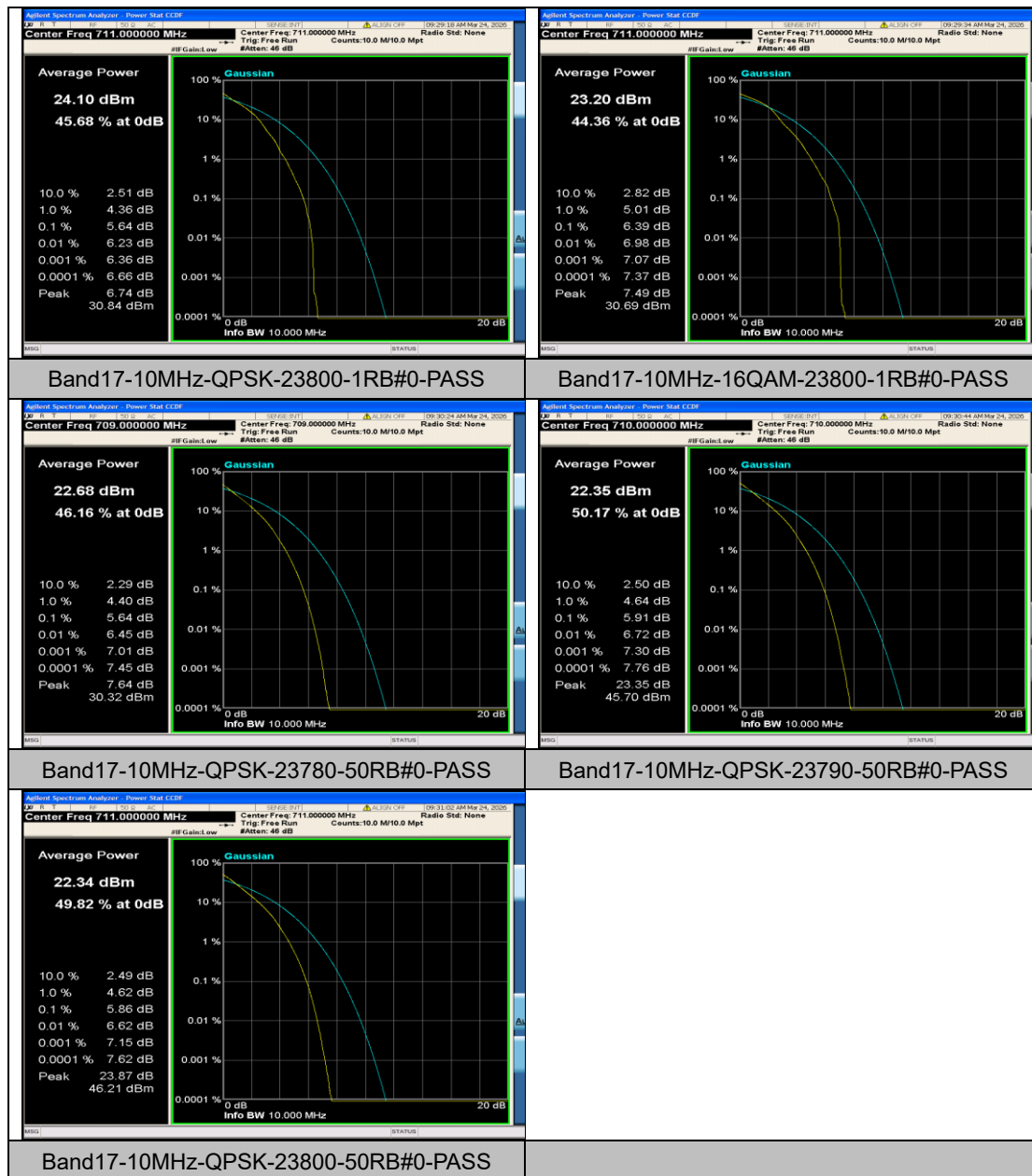
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.46	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	6.02	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.64	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.39	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.39	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.99	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.69	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.40	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.78	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	6.21	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.62	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.34	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.41	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.95	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.46	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	6.19	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.64	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	6.39	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.64	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.91	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.86	13	PASS

Test Graphs





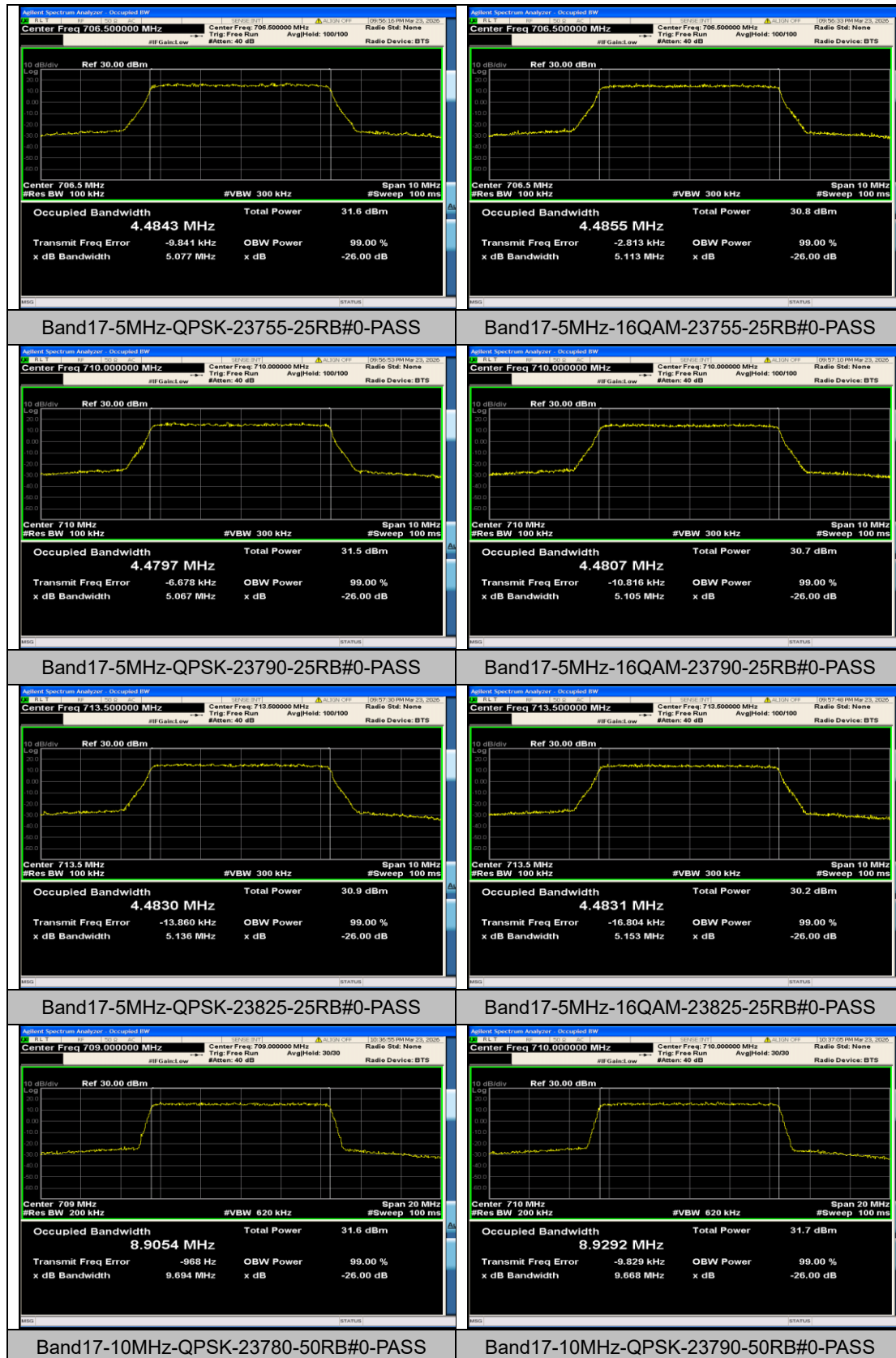


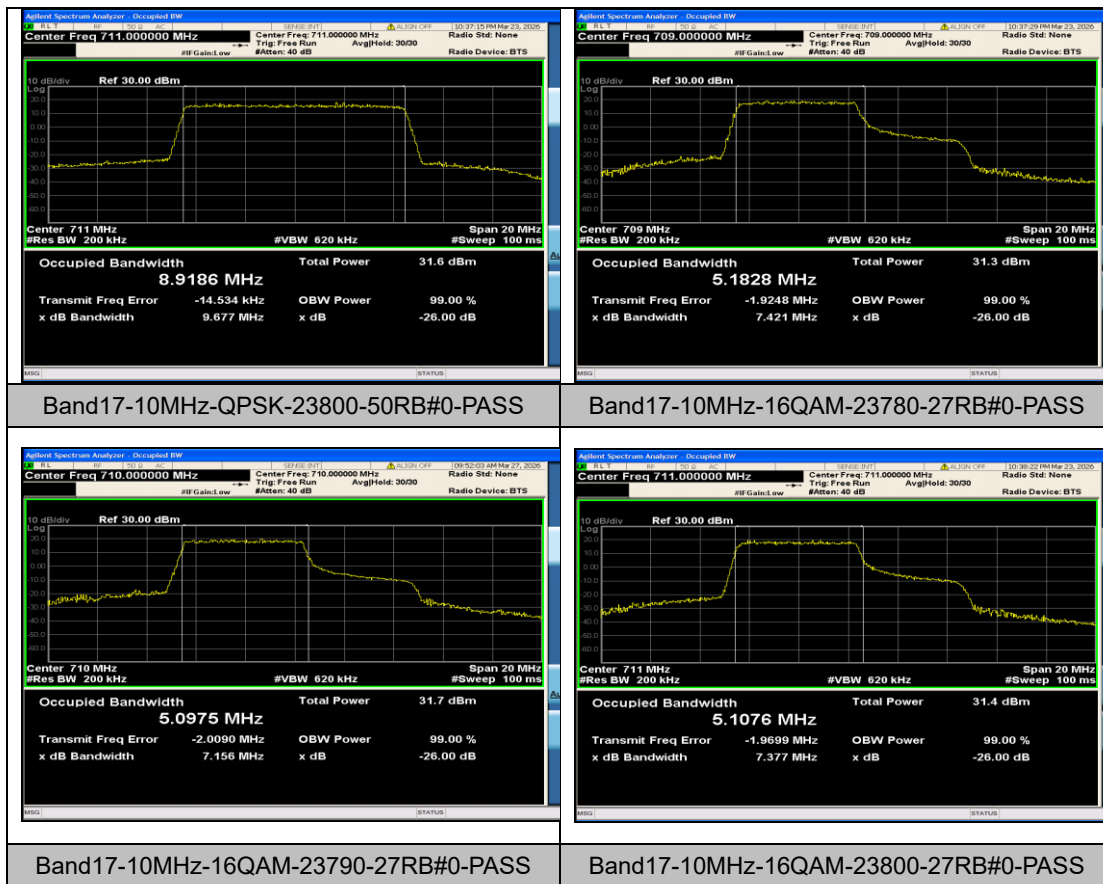
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4843	5.077	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4855	5.113	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4797	5.067	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4807	5.105	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4830	5.136	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4831	5.153	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9054	9.694	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9292	9.668	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9186	9.677	PASS
Band17	10MHz	16QAM	23780	27RB#0	5.1828	7.421	PASS
Band17	10MHz	16QAM	23790	27RB#0	5.0975	7.156	PASS
Band17	10MHz	16QAM	23800	27RB#0	5.1076	7.377	PASS

Test Graphs



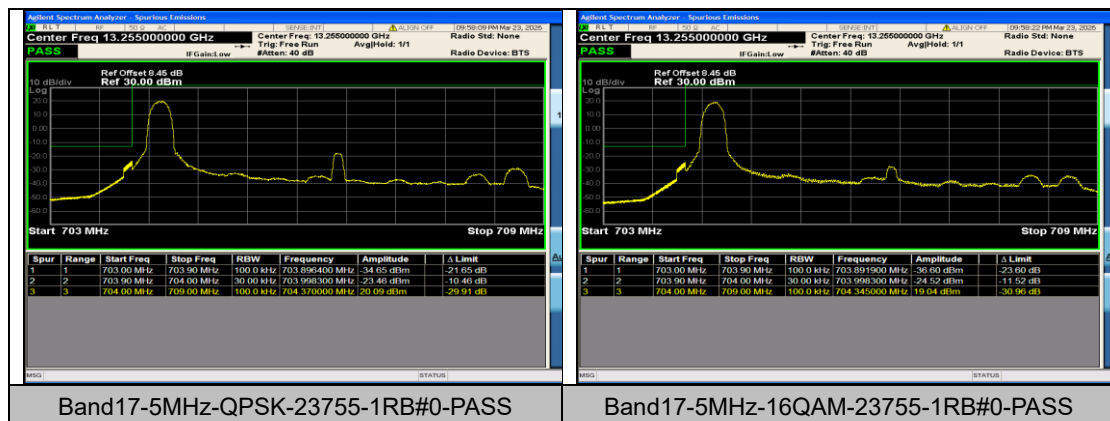


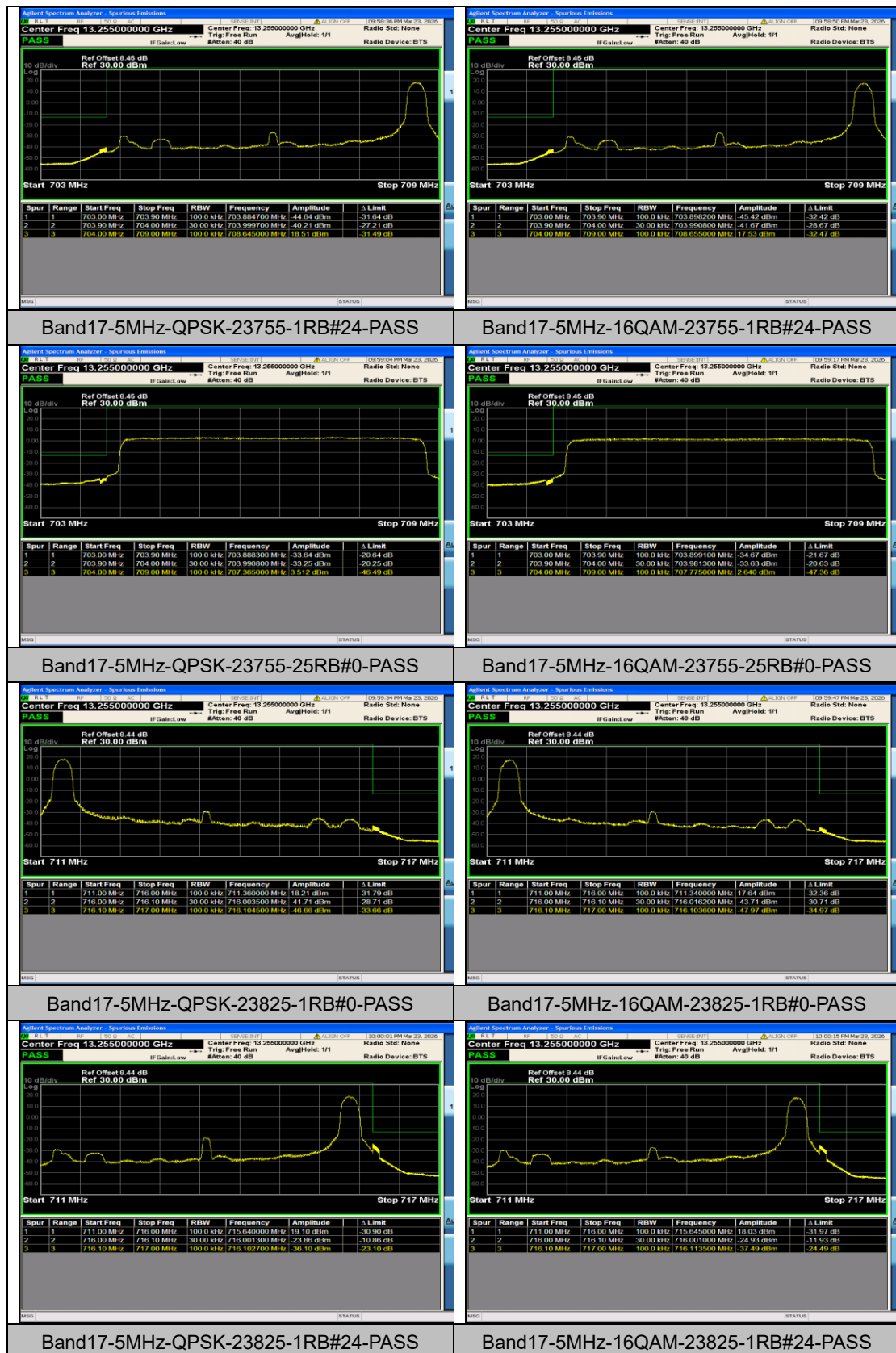
Appendix D: Band Edge

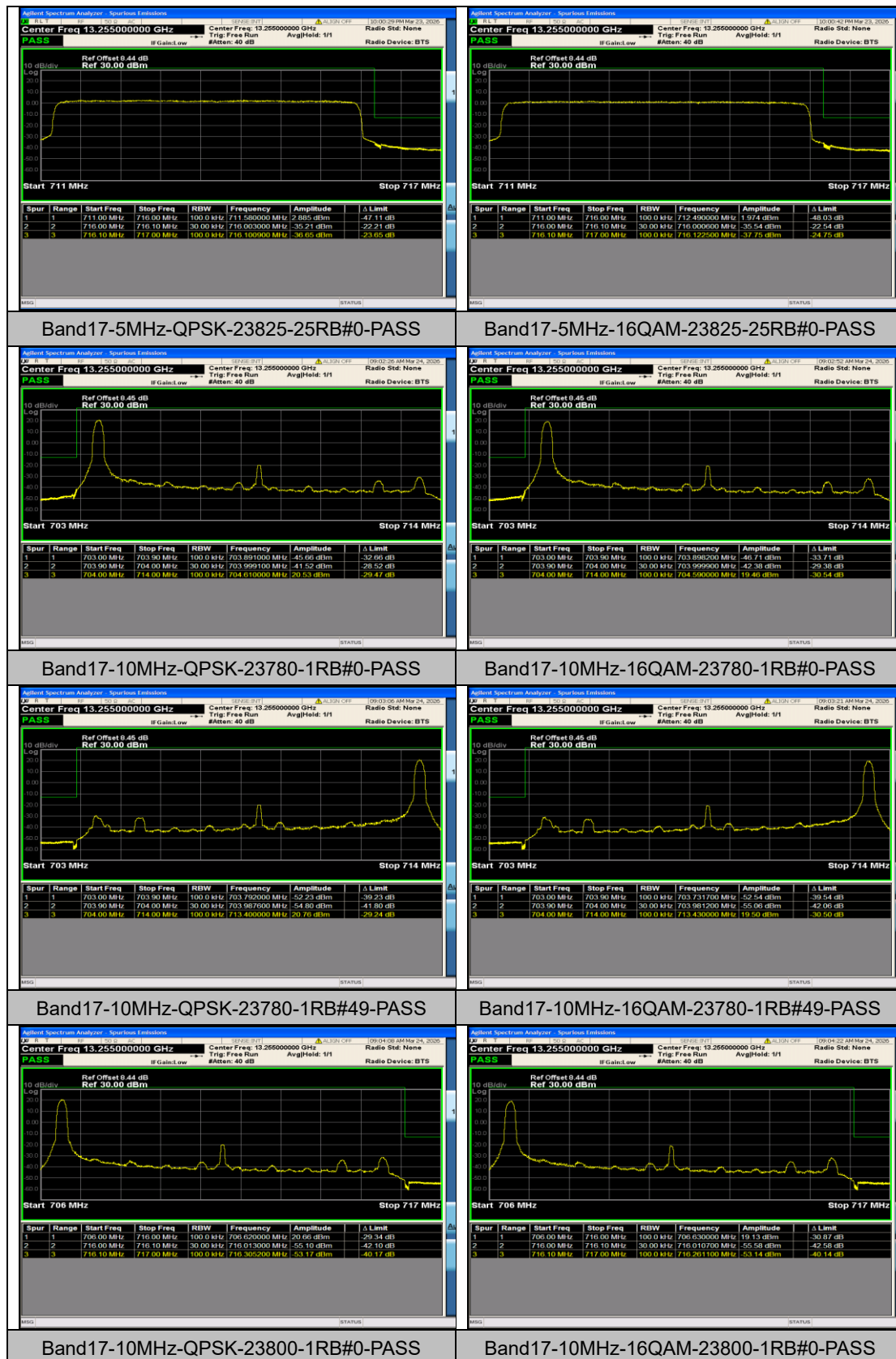
Test Result

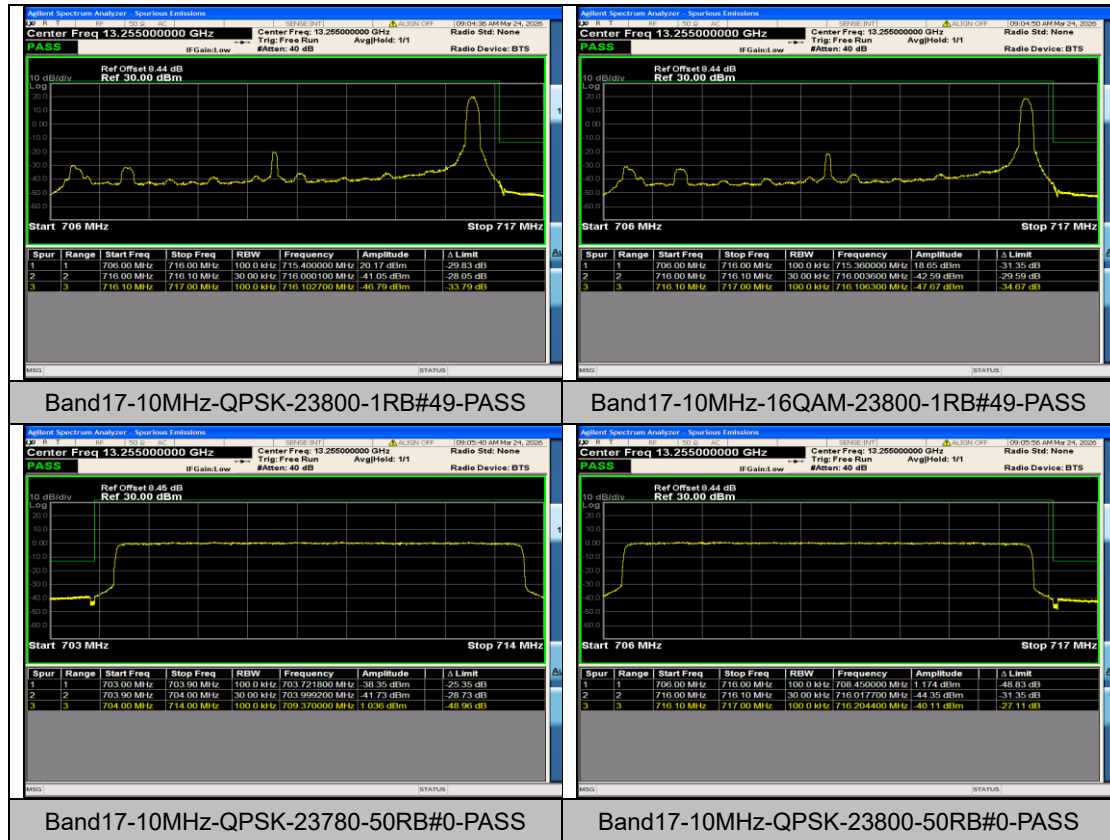
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-23.46	PASS
Band17	5MHz	16QAM	23755	1RB#0	-24.52	PASS
Band17	5MHz	QPSK	23755	1RB#24	-40.21	PASS
Band17	5MHz	16QAM	23755	1RB#24	-41.67	PASS
Band17	5MHz	QPSK	23755	25RB#0	-33.25	PASS
Band17	5MHz	16QAM	23755	25RB#0	-33.63	PASS
Band17	5MHz	QPSK	23825	1RB#0	-41.71	PASS
Band17	5MHz	16QAM	23825	1RB#0	-43.71	PASS
Band17	5MHz	QPSK	23825	1RB#24	-23.86	PASS
Band17	5MHz	16QAM	23825	1RB#24	-24.93	PASS
Band17	5MHz	QPSK	23825	25RB#0	-35.21	PASS
Band17	5MHz	16QAM	23825	25RB#0	-35.54	PASS
Band17	10MHz	QPSK	23780	1RB#0	-41.52	PASS
Band17	10MHz	16QAM	23780	1RB#0	-42.38	PASS
Band17	10MHz	QPSK	23780	1RB#49	-52.23	PASS
Band17	10MHz	16QAM	23780	1RB#49	-52.54	PASS
Band17	10MHz	QPSK	23800	1RB#0	-53.17	PASS
Band17	10MHz	16QAM	23800	1RB#0	-53.14	PASS
Band17	10MHz	QPSK	23800	1RB#49	-41.05	PASS
Band17	10MHz	16QAM	23800	1RB#49	-42.59	PASS
Band17	10MHz	QPSK	23780	50RB#0	-38.35	PASS
Band17	10MHz	QPSK	23800	50RB#0	-40.11	PASS

Test Graphs









Appendix E: 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	-41.56	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-53.18	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-37.56	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-43.73	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-43.88	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-43.70	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-54.25	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-38.24	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-46.18	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-43.97	PASS
Band17	5MHz	QPSK	23755	1RB#24	0.009~0.15	-43.90	PASS
Band17	5MHz	QPSK	23755	1RB#24	0.15~30	-51.84	PASS
Band17	5MHz	QPSK	23755	1RB#24	30~1000	-41.56	PASS
Band17	5MHz	QPSK	23755	1RB#24	1000~3000	-47.61	PASS
Band17	5MHz	QPSK	23755	1RB#24	3000~10000	-43.51	PASS
Band17	5MHz	16QAM	23755	1RB#24	0.009~0.15	-45.13	PASS
Band17	5MHz	16QAM	23755	1RB#24	0.15~30	-52.71	PASS
Band17	5MHz	16QAM	23755	1RB#24	30~1000	-41.55	PASS
Band17	5MHz	16QAM	23755	1RB#24	1000~3000	-42.97	PASS
Band17	5MHz	16QAM	23755	1RB#24	3000~10000	-44.10	PASS
Band17	5MHz	QPSK	23755	25RB#0	0.009~0.15	-43.53	PASS
Band17	5MHz	QPSK	23755	25RB#0	0.15~30	-53.26	PASS
Band17	5MHz	QPSK	23755	25RB#0	30~1000	-34.57	PASS
Band17	5MHz	QPSK	23755	25RB#0	1000~3000	-45.43	PASS
Band17	5MHz	QPSK	23755	25RB#0	3000~10000	-43.97	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.009~0.15	-44.49	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.15~30	-51.02	PASS
Band17	5MHz	16QAM	23755	25RB#0	30~1000	-34.10	PASS
Band17	5MHz	16QAM	23755	25RB#0	1000~3000	-47.85	PASS
Band17	5MHz	16QAM	23755	25RB#0	3000~10000	-43.67	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-45.06	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-51.79	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-40.21	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-44.61	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-43.93	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-44.43	PASS

Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-52.47	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-41.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-47.16	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-43.90	PASS
Band17	5MHz	QPSK	23790	1RB#24	0.009~0.15	-44.71	PASS
Band17	5MHz	QPSK	23790	1RB#24	0.15~30	-53.50	PASS
Band17	5MHz	QPSK	23790	1RB#24	30~1000	-50.21	PASS
Band17	5MHz	QPSK	23790	1RB#24	1000~3000	-47.65	PASS
Band17	5MHz	QPSK	23790	1RB#24	3000~10000	-43.94	PASS
Band17	5MHz	16QAM	23790	1RB#24	0.009~0.15	-43.83	PASS
Band17	5MHz	16QAM	23790	1RB#24	0.15~30	-52.54	PASS
Band17	5MHz	16QAM	23790	1RB#24	30~1000	-52.12	PASS
Band17	5MHz	16QAM	23790	1RB#24	1000~3000	-48.12	PASS
Band17	5MHz	16QAM	23790	1RB#24	3000~10000	-43.92	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.009~0.15	-44.70	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.15~30	-52.19	PASS
Band17	5MHz	QPSK	23790	25RB#0	30~1000	-48.40	PASS
Band17	5MHz	QPSK	23790	25RB#0	1000~3000	-48.06	PASS
Band17	5MHz	QPSK	23790	25RB#0	3000~10000	-43.74	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.009~0.15	-42.98	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.15~30	-53.98	PASS
Band17	5MHz	16QAM	23790	25RB#0	30~1000	-48.99	PASS
Band17	5MHz	16QAM	23790	25RB#0	1000~3000	-38.02	PASS
Band17	5MHz	16QAM	23790	25RB#0	3000~10000	-43.54	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-42.52	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-52.99	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-41.45	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-47.98	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-44.05	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-42.61	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-53.89	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-41.58	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-47.12	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-44.11	PASS
Band17	5MHz	QPSK	23825	1RB#24	0.009~0.15	-42.45	PASS
Band17	5MHz	QPSK	23825	1RB#24	0.15~30	-52.55	PASS
Band17	5MHz	QPSK	23825	1RB#24	30~1000	-48.87	PASS
Band17	5MHz	QPSK	23825	1RB#24	1000~3000	-47.12	PASS
Band17	5MHz	QPSK	23825	1RB#24	3000~10000	-44.03	PASS
Band17	5MHz	16QAM	23825	1RB#24	0.009~0.15	-43.49	PASS
Band17	5MHz	16QAM	23825	1RB#24	0.15~30	-51.64	PASS
Band17	5MHz	16QAM	23825	1RB#24	30~1000	-39.40	PASS
Band17	5MHz	16QAM	23825	1RB#24	1000~3000	-47.99	PASS

Band17	5MHz	16QAM	23825	1RB#24	3000~10000	-43.69	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.009~0.15	-43.41	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.15~30	-52.99	PASS
Band17	5MHz	QPSK	23825	25RB#0	30~1000	-36.91	PASS
Band17	5MHz	QPSK	23825	25RB#0	1000~3000	-41.89	PASS
Band17	5MHz	QPSK	23825	25RB#0	3000~10000	-44.09	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.009~0.15	-44.36	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.15~30	-51.76	PASS
Band17	5MHz	16QAM	23825	25RB#0	30~1000	-38.07	PASS
Band17	5MHz	16QAM	23825	25RB#0	1000~3000	-48.22	PASS
Band17	5MHz	16QAM	23825	25RB#0	3000~10000	-44.17	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-43.67	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-50.85	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-35.78	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-45.70	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-43.58	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-44.52	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-51.57	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-38.80	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-46.83	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-43.88	PASS
Band17	10MHz	QPSK	23780	1RB#49	0.009~0.15	-44.19	PASS
Band17	10MHz	QPSK	23780	1RB#49	0.15~30	-52.59	PASS
Band17	10MHz	QPSK	23780	1RB#49	30~1000	-36.33	PASS
Band17	10MHz	QPSK	23780	1RB#49	1000~3000	-45.40	PASS
Band17	10MHz	QPSK	23780	1RB#49	3000~10000	-43.83	PASS
Band17	10MHz	16QAM	23780	1RB#49	0.009~0.15	-44.34	PASS
Band17	10MHz	16QAM	23780	1RB#49	0.15~30	-51.17	PASS
Band17	10MHz	16QAM	23780	1RB#49	30~1000	-39.17	PASS
Band17	10MHz	16QAM	23780	1RB#49	1000~3000	-45.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	3000~10000	-43.73	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-43.83	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-53.39	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-36.69	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-46.10	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-43.42	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-43.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-52.05	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-37.51	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-46.97	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-43.75	PASS
Band17	10MHz	QPSK	23790	1RB#49	0.009~0.15	-43.96	PASS
Band17	10MHz	QPSK	23790	1RB#49	0.15~30	-53.75	PASS

Band17	10MHz	QPSK	23790	1RB#49	30~1000	-36.23	PASS
Band17	10MHz	QPSK	23790	1RB#49	1000~3000	-45.59	PASS
Band17	10MHz	QPSK	23790	1RB#49	3000~10000	-43.64	PASS
Band17	10MHz	16QAM	23790	1RB#49	0.009~0.15	-44.83	PASS
Band17	10MHz	16QAM	23790	1RB#49	0.15~30	-52.12	PASS
Band17	10MHz	16QAM	23790	1RB#49	30~1000	-37.69	PASS
Band17	10MHz	16QAM	23790	1RB#49	1000~3000	-45.38	PASS
Band17	10MHz	16QAM	23790	1RB#49	3000~10000	-43.75	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-44.10	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-51.23	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-34.84	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-46.11	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-43.26	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-42.79	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-51.55	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-36.14	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-46.81	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-43.67	PASS
Band17	10MHz	QPSK	23800	1RB#49	0.009~0.15	-44.00	PASS
Band17	10MHz	QPSK	23800	1RB#49	0.15~30	-50.30	PASS
Band17	10MHz	QPSK	23800	1RB#49	30~1000	-38.41	PASS
Band17	10MHz	QPSK	23800	1RB#49	1000~3000	-42.49	PASS
Band17	10MHz	QPSK	23800	1RB#49	3000~10000	-43.79	PASS
Band17	10MHz	16QAM	23800	1RB#49	0.009~0.15	-44.25	PASS
Band17	10MHz	16QAM	23800	1RB#49	0.15~30	-51.33	PASS
Band17	10MHz	16QAM	23800	1RB#49	30~1000	-39.27	PASS
Band17	10MHz	16QAM	23800	1RB#49	1000~3000	-47.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	3000~10000	-43.54	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.009~0.15	-44.32	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.15~30	-51.71	PASS
Band17	10MHz	QPSK	23780	50RB#0	30~1000	-34.97	PASS
Band17	10MHz	QPSK	23780	50RB#0	1000~3000	-48.23	PASS
Band17	10MHz	QPSK	23780	50RB#0	3000~10000	-43.24	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.009~0.15	-44.16	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.15~30	-51.99	PASS
Band17	10MHz	QPSK	23790	50RB#0	30~1000	-36.04	PASS
Band17	10MHz	QPSK	23790	50RB#0	1000~3000	-47.75	PASS
Band17	10MHz	QPSK	23790	50RB#0	3000~10000	-43.12	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.009~0.15	-44.93	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.15~30	-52.64	PASS
Band17	10MHz	QPSK	23800	50RB#0	30~1000	-36.30	PASS
Band17	10MHz	QPSK	23800	50RB#0	1000~3000	-48.38	PASS
Band17	10MHz	QPSK	23800	50RB#0	3000~10000	-43.60	PASS

Test Graphs

