

FCC&ISED LTE Band Test Data

FCC ID : 2BE8S-A1

IC : 33120-A1

Company: : Shenzhen kehuitiong Technology Co., Ltd

EUT : mobile phone

HVIN(Model) : A1

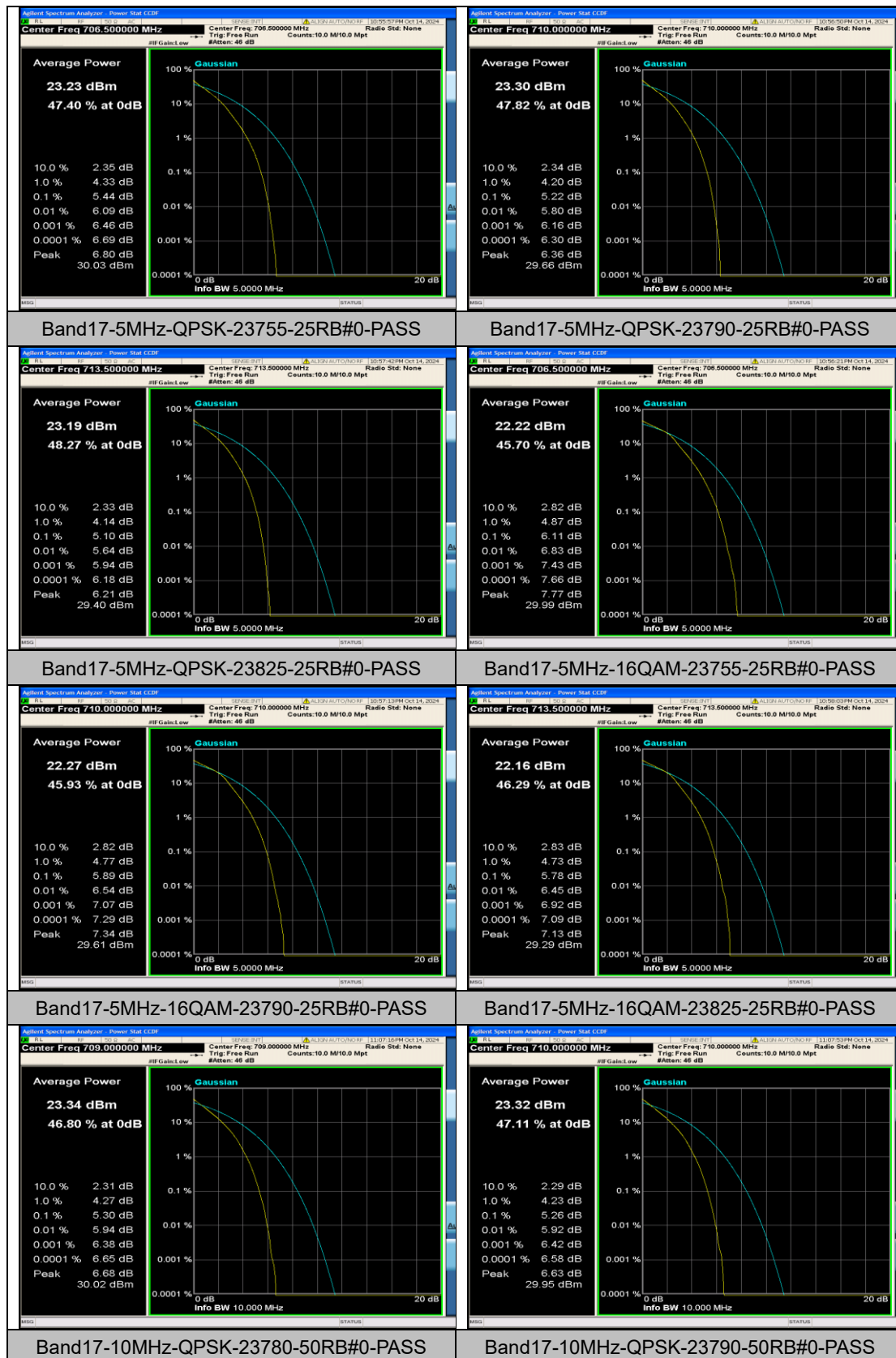
Reviewed By : Eric Wang

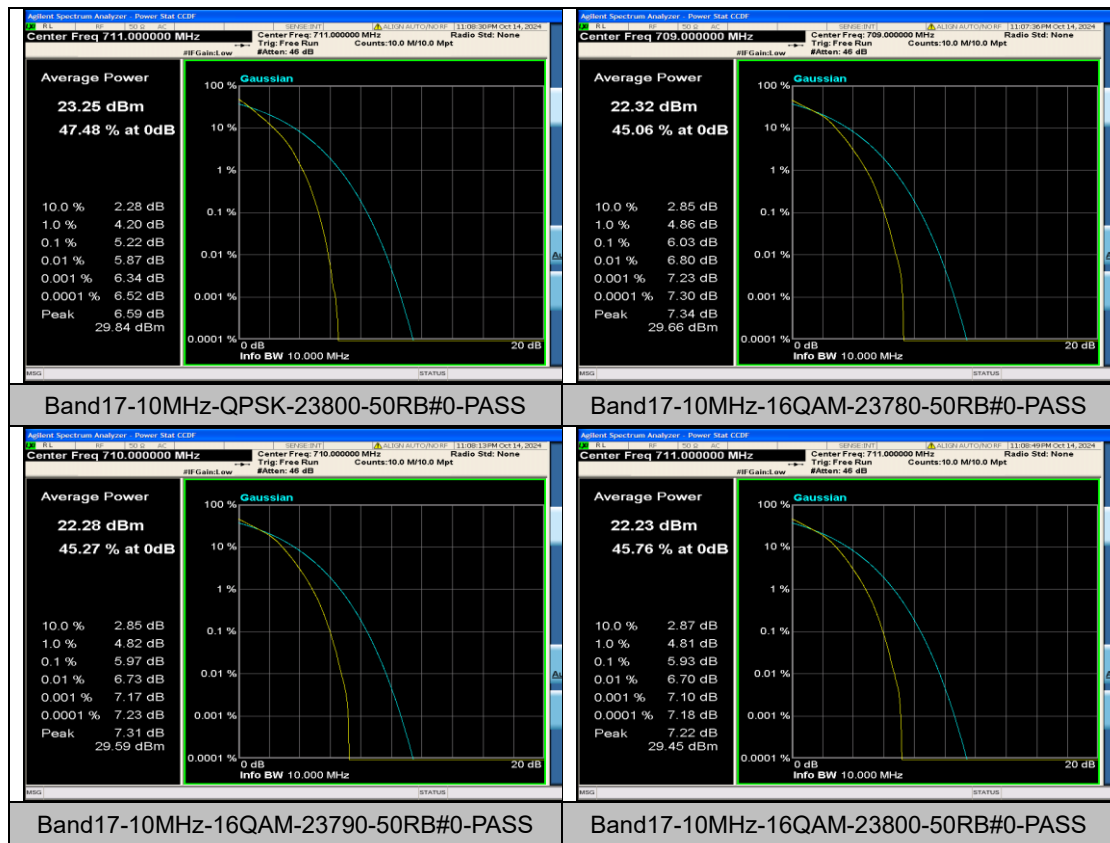
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.44	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.22	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.10	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.11	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.89	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.78	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.30	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.26	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.22	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.03	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.97	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.93	13	PASS

Test Graphs



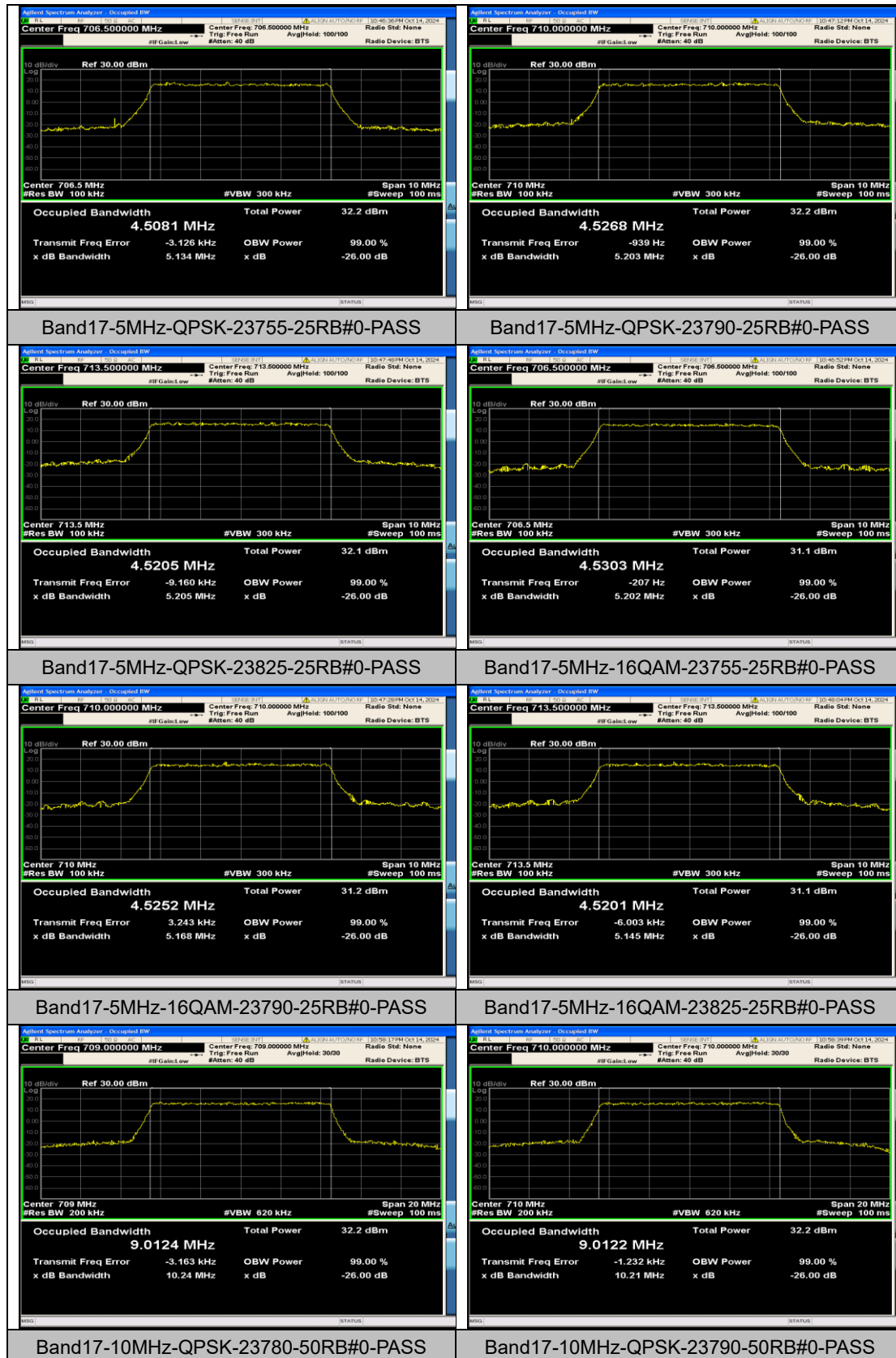


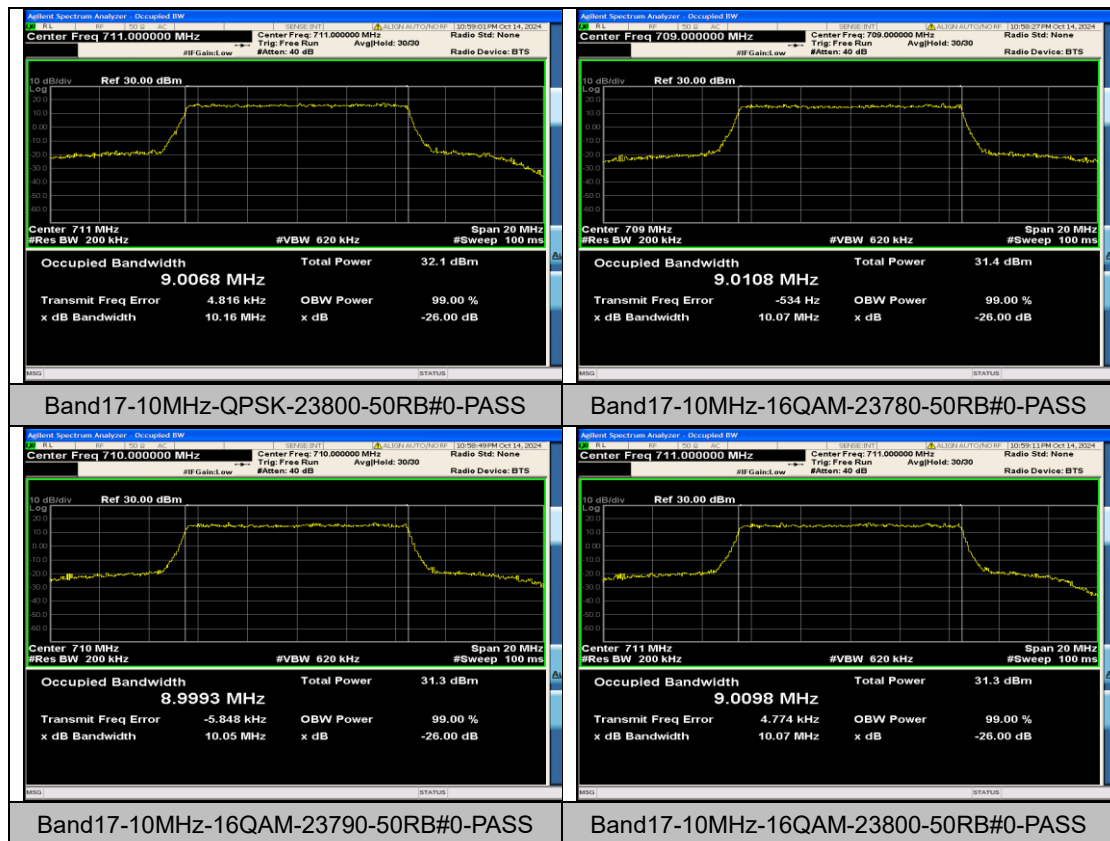
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5081	5.134	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5268	5.203	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5205	5.205	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5303	5.202	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5252	5.168	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5201	5.145	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0124	10.24	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0122	10.21	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0068	10.16	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0108	10.07	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9993	10.05	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0098	10.07	PASS

Test Graphs



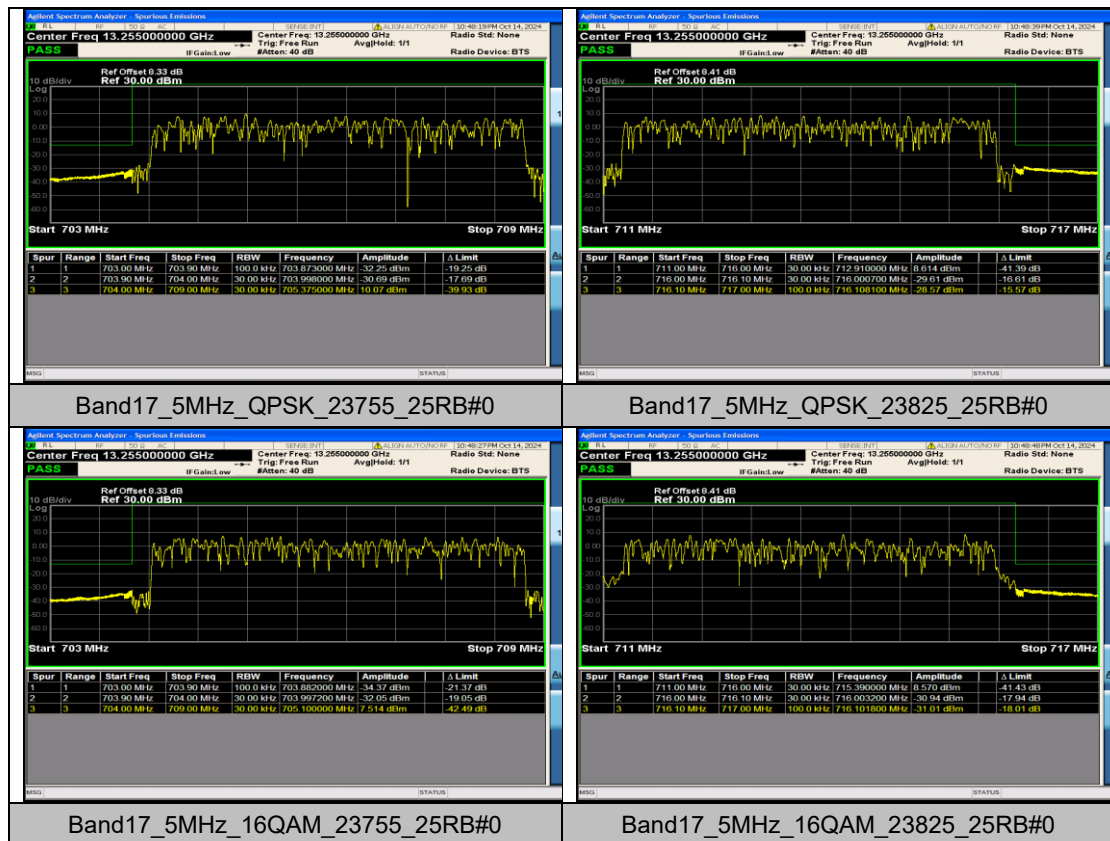


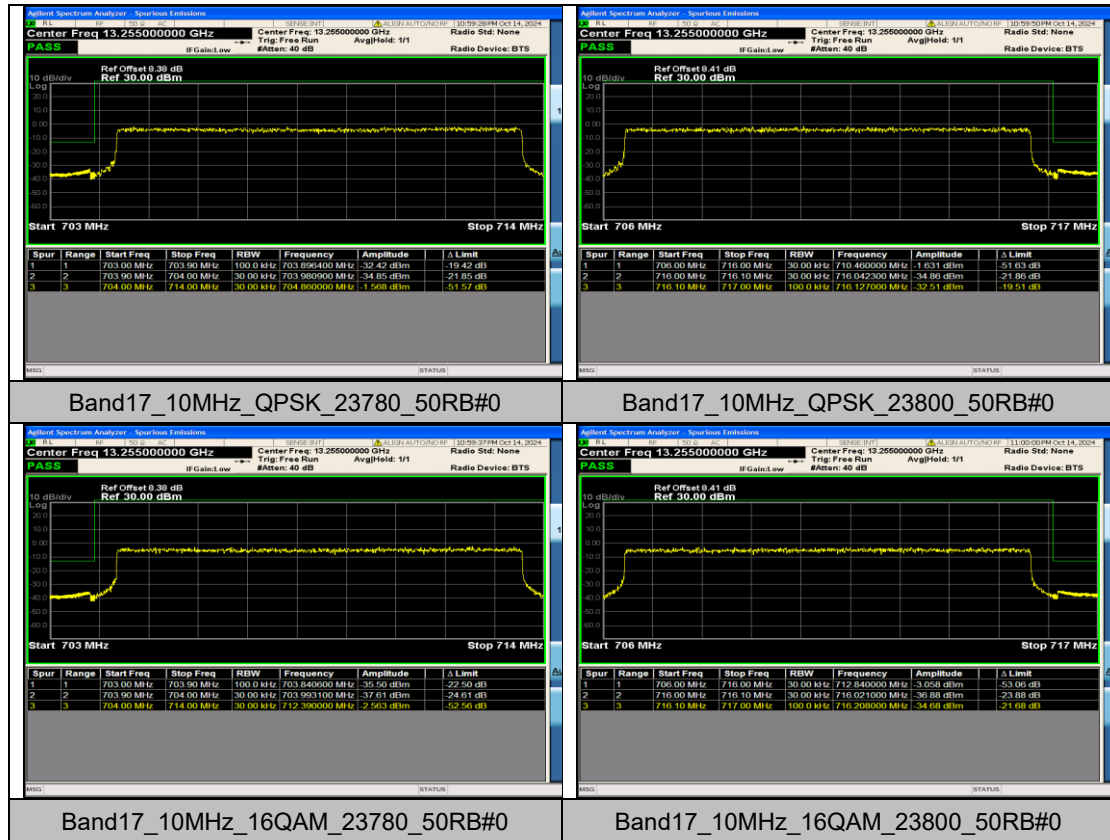
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-30.69	PASS
Band17	5MHz	QPSK	23825	25RB#0	-28.57	PASS
Band17	5MHz	16QAM	23755	25RB#0	-32.05	PASS
Band17	5MHz	16QAM	23825	25RB#0	-30.94	PASS
Band17	10MHz	QPSK	23780	50RB#0	-32.42	PASS
Band17	10MHz	QPSK	23800	50RB#0	-32.51	PASS
Band17	10MHz	16QAM	23780	50RB#0	-35.50	PASS
Band17	10MHz	16QAM	23800	50RB#0	-34.68	PASS

Test Graphs





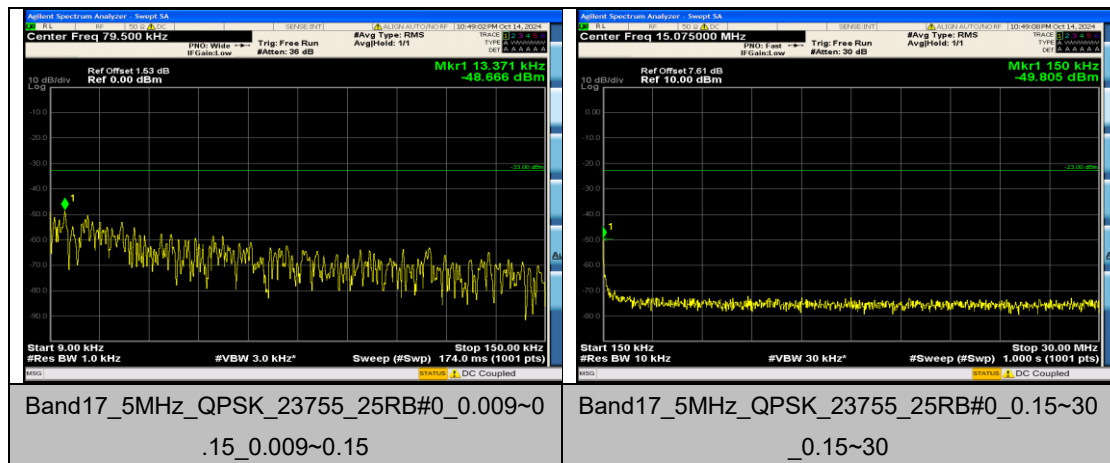
Appendix E: Conducted Spurious Emission

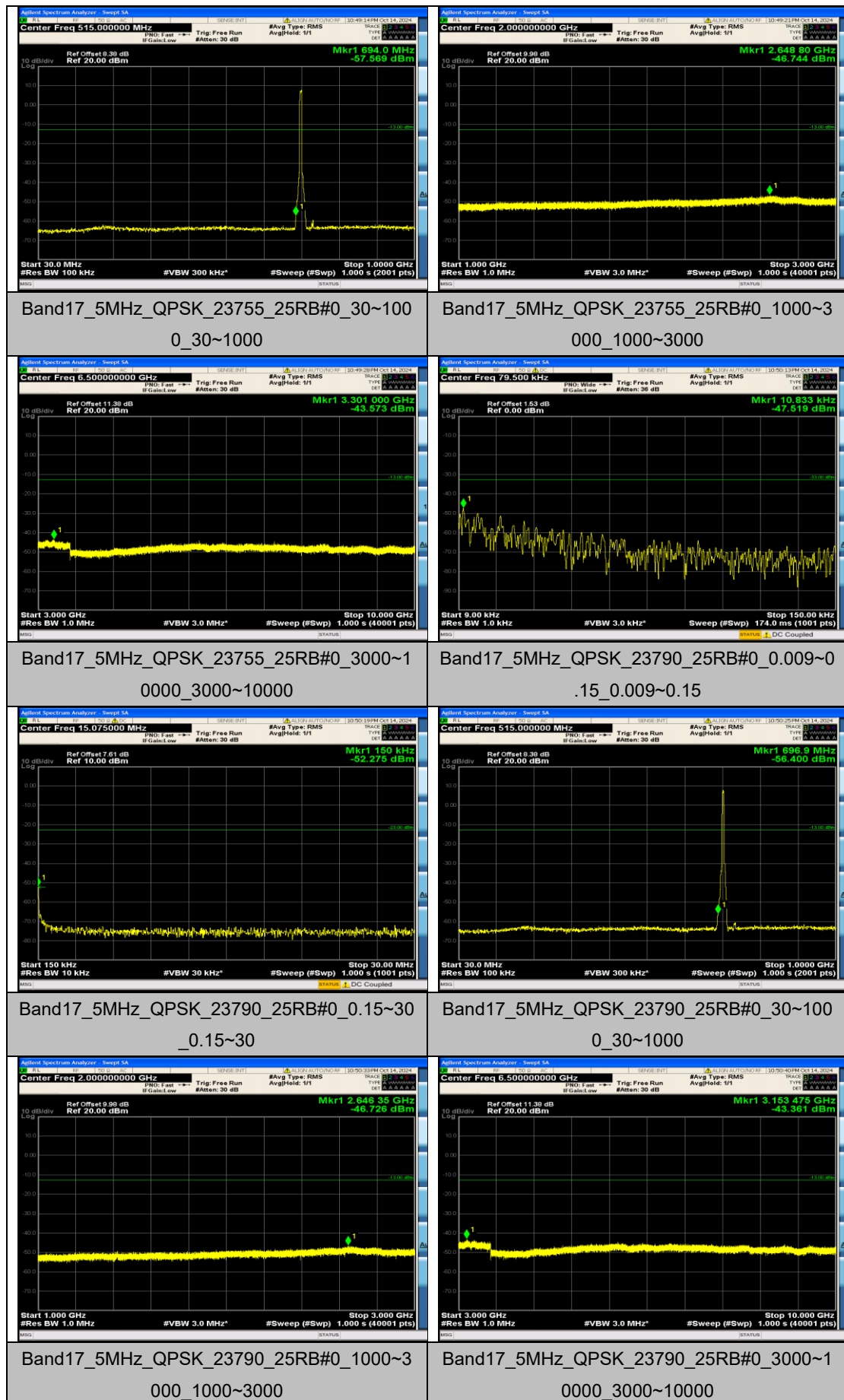
Test Result

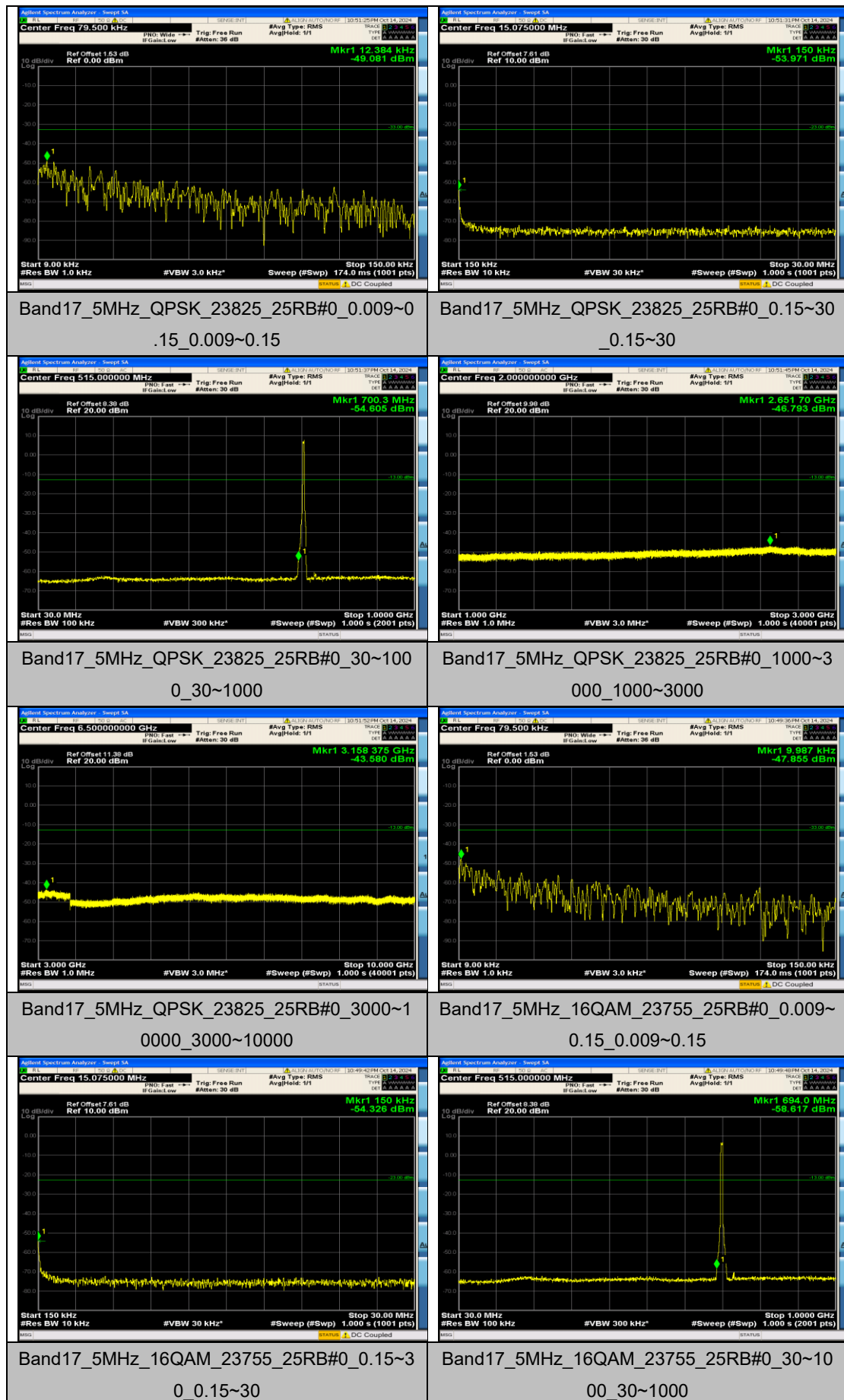
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	0.009~0.15	-48.67	PASS
Band17	5MHz	QPSK	23755	25RB#0	0.15~30	-49.81	PASS
Band17	5MHz	QPSK	23755	25RB#0	30~1000	-57.57	PASS
Band17	5MHz	QPSK	23755	25RB#0	1000~3000	-46.74	PASS
Band17	5MHz	QPSK	23755	25RB#0	3000~10000	-43.57	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.009~0.15	-47.52	PASS
Band17	5MHz	QPSK	23790	25RB#0	0.15~30	-52.28	PASS
Band17	5MHz	QPSK	23790	25RB#0	30~1000	-56.40	PASS
Band17	5MHz	QPSK	23790	25RB#0	1000~3000	-46.73	PASS
Band17	5MHz	QPSK	23790	25RB#0	3000~10000	-43.36	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.009~0.15	-49.08	PASS
Band17	5MHz	QPSK	23825	25RB#0	0.15~30	-53.97	PASS
Band17	5MHz	QPSK	23825	25RB#0	30~1000	-54.61	PASS
Band17	5MHz	QPSK	23825	25RB#0	1000~3000	-46.79	PASS
Band17	5MHz	QPSK	23825	25RB#0	3000~10000	-43.58	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.009~0.15	-47.86	PASS
Band17	5MHz	16QAM	23755	25RB#0	0.15~30	-54.33	PASS
Band17	5MHz	16QAM	23755	25RB#0	30~1000	-58.62	PASS
Band17	5MHz	16QAM	23755	25RB#0	1000~3000	-46.55	PASS
Band17	5MHz	16QAM	23755	25RB#0	3000~10000	-43.50	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.009~0.15	-48.04	PASS
Band17	5MHz	16QAM	23790	25RB#0	0.15~30	-53.87	PASS
Band17	5MHz	16QAM	23790	25RB#0	30~1000	-57.52	PASS
Band17	5MHz	16QAM	23790	25RB#0	1000~3000	-46.88	PASS
Band17	5MHz	16QAM	23790	25RB#0	3000~10000	-43.71	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.009~0.15	-47.74	PASS
Band17	5MHz	16QAM	23825	25RB#0	0.15~30	-52.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	30~1000	-57.05	PASS
Band17	5MHz	16QAM	23825	25RB#0	1000~3000	-46.55	PASS
Band17	5MHz	16QAM	23825	25RB#0	3000~10000	-43.53	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.009~0.15	-48.45	PASS
Band17	10MHz	QPSK	23780	50RB#0	0.15~30	-52.39	PASS
Band17	10MHz	QPSK	23780	50RB#0	30~1000	-61.85	PASS
Band17	10MHz	QPSK	23780	50RB#0	1000~3000	-46.58	PASS
Band17	10MHz	QPSK	23780	50RB#0	3000~10000	-43.16	PASS
Band17	10MHz	QPSK	23790	50RB#0	0.009~0.15	-47.09	PASS

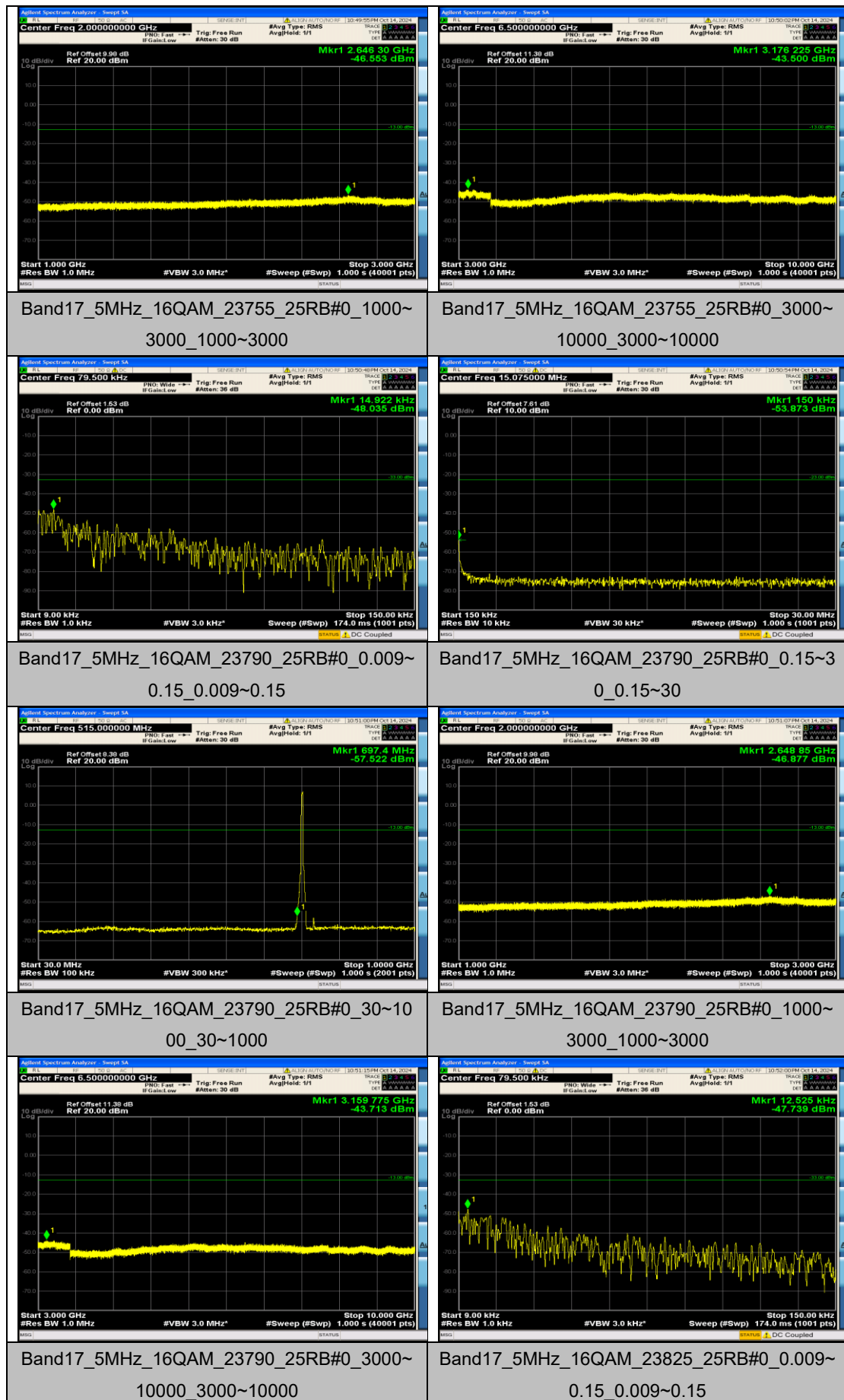
Band17	10MHz	QPSK	23790	50RB#0	0.15~30	-52.80	PASS
Band17	10MHz	QPSK	23790	50RB#0	30~1000	-61.62	PASS
Band17	10MHz	QPSK	23790	50RB#0	1000~3000	-46.16	PASS
Band17	10MHz	QPSK	23790	50RB#0	3000~10000	-43.49	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.009~0.15	-47.69	PASS
Band17	10MHz	QPSK	23800	50RB#0	0.15~30	-53.32	PASS
Band17	10MHz	QPSK	23800	50RB#0	30~1000	-61.69	PASS
Band17	10MHz	QPSK	23800	50RB#0	1000~3000	-46.53	PASS
Band17	10MHz	QPSK	23800	50RB#0	3000~10000	-43.48	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.009~0.15	-50.29	PASS
Band17	10MHz	16QAM	23780	50RB#0	0.15~30	-53.70	PASS
Band17	10MHz	16QAM	23780	50RB#0	30~1000	-61.61	PASS
Band17	10MHz	16QAM	23780	50RB#0	1000~3000	-46.76	PASS
Band17	10MHz	16QAM	23780	50RB#0	3000~10000	-43.76	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.009~0.15	-45.82	PASS
Band17	10MHz	16QAM	23790	50RB#0	0.15~30	-53.89	PASS
Band17	10MHz	16QAM	23790	50RB#0	30~1000	-61.83	PASS
Band17	10MHz	16QAM	23790	50RB#0	1000~3000	-46.82	PASS
Band17	10MHz	16QAM	23790	50RB#0	3000~10000	-43.23	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.009~0.15	-48.09	PASS
Band17	10MHz	16QAM	23800	50RB#0	0.15~30	-55.43	PASS
Band17	10MHz	16QAM	23800	50RB#0	30~1000	-61.60	PASS
Band17	10MHz	16QAM	23800	50RB#0	1000~3000	-46.49	PASS
Band17	10MHz	16QAM	23800	50RB#0	3000~10000	-43.49	PASS

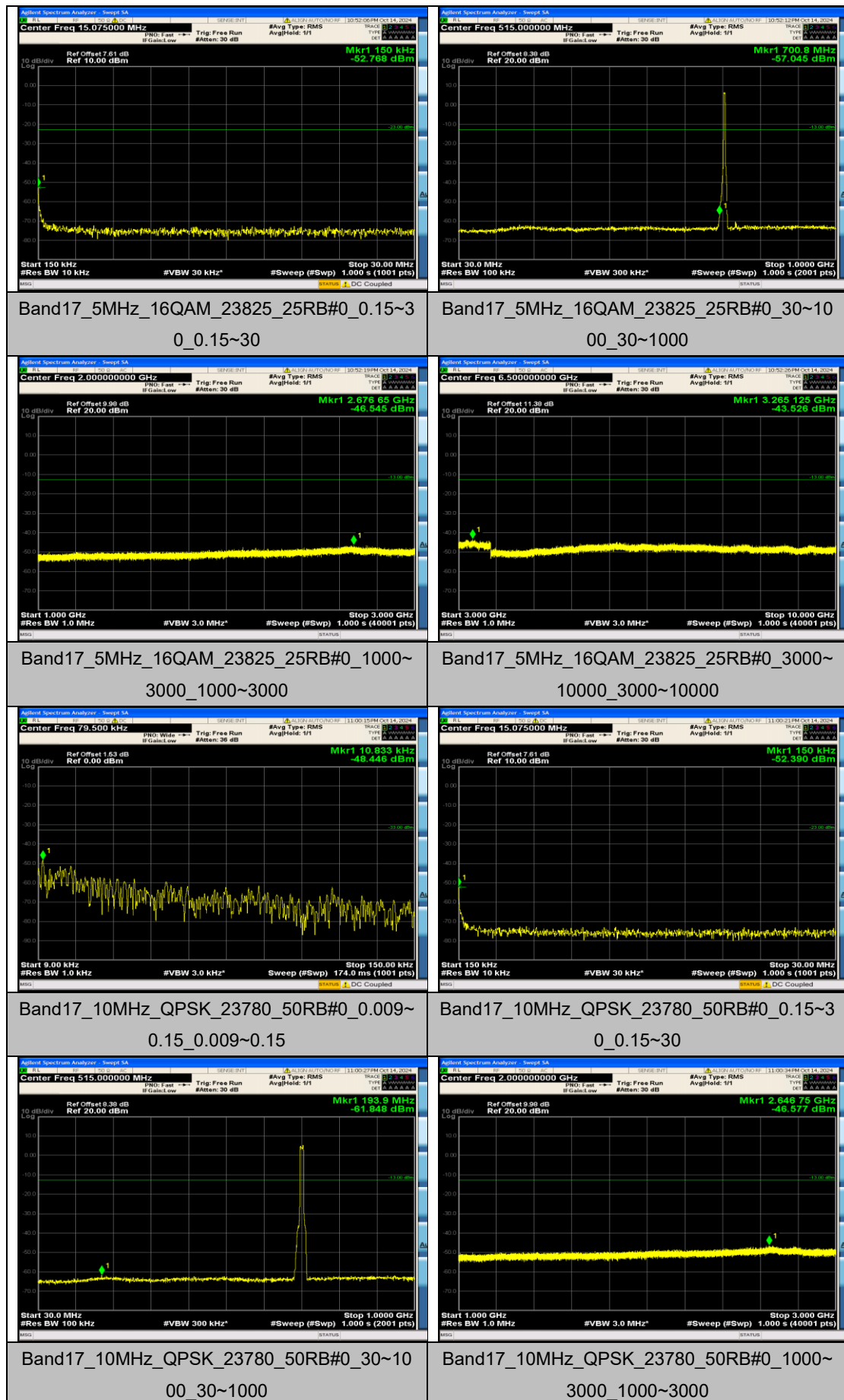
Test Graphs

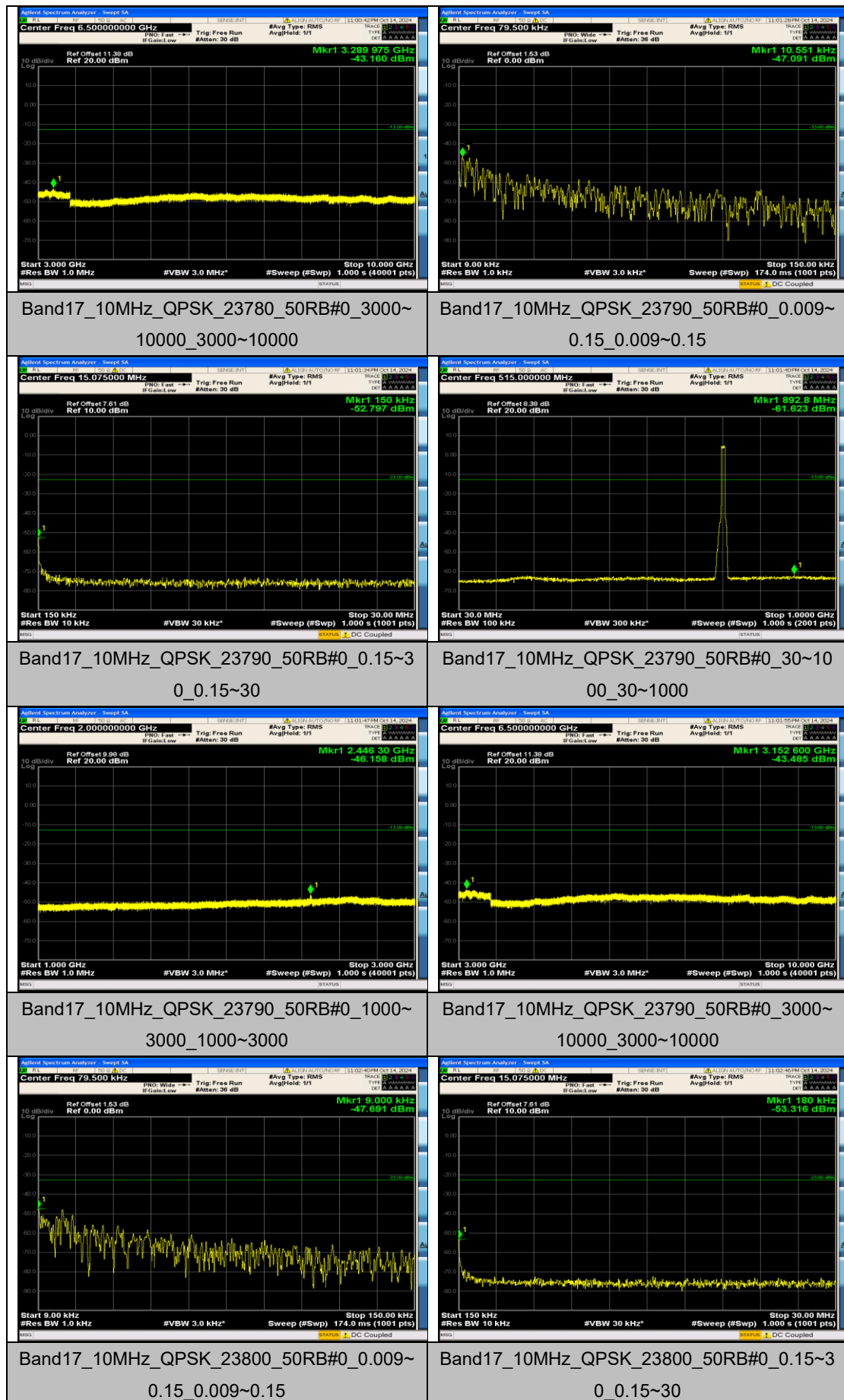


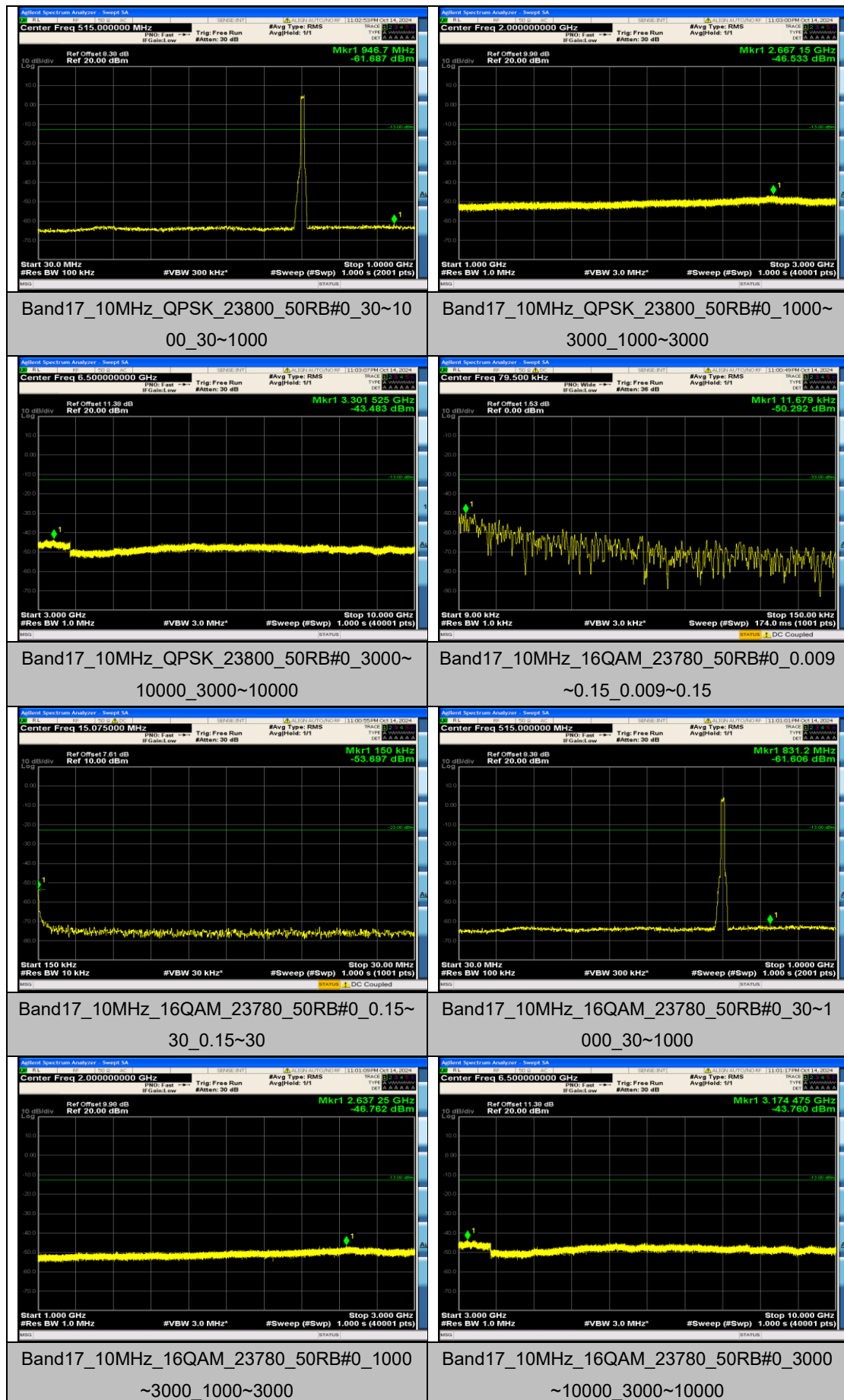


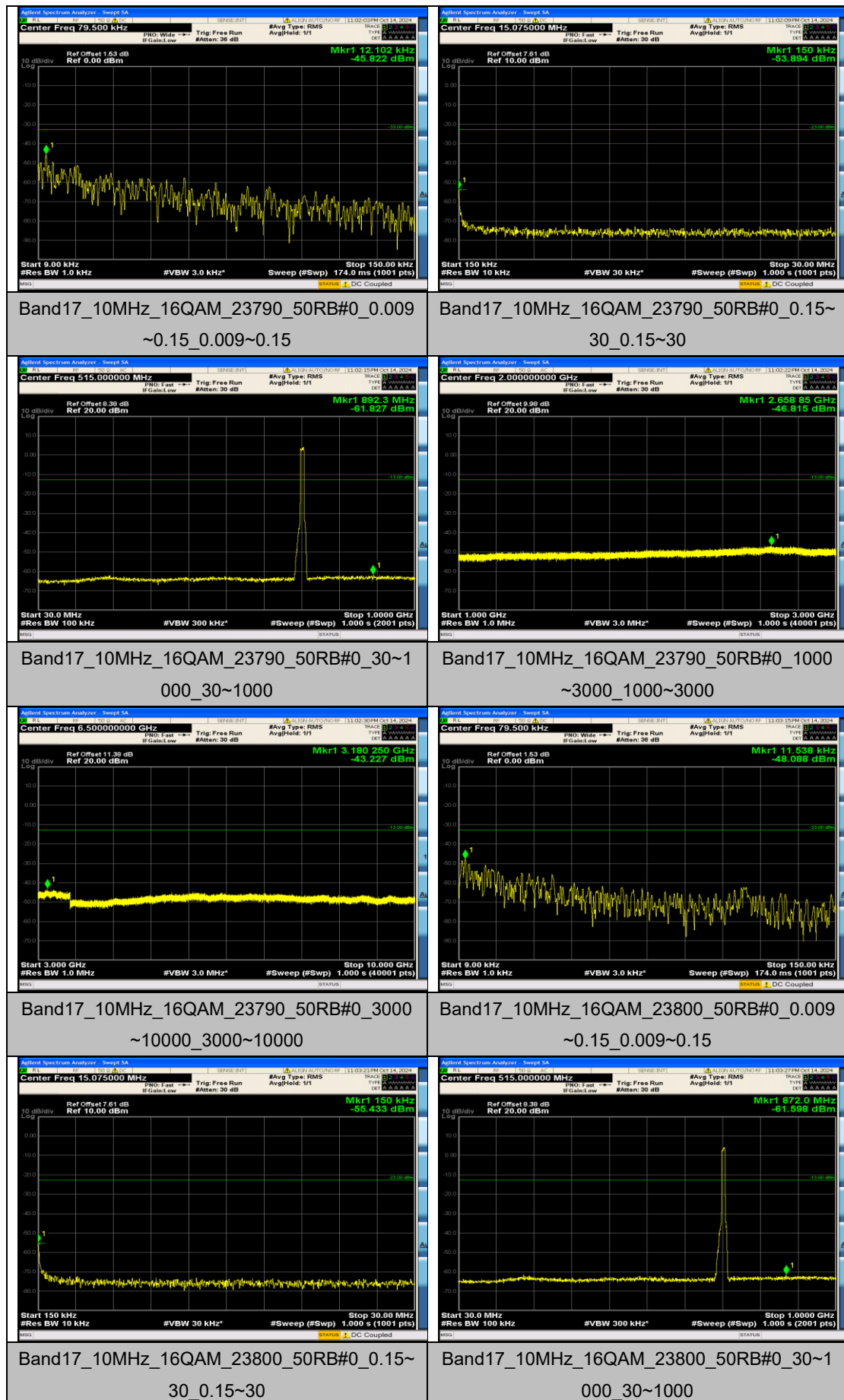


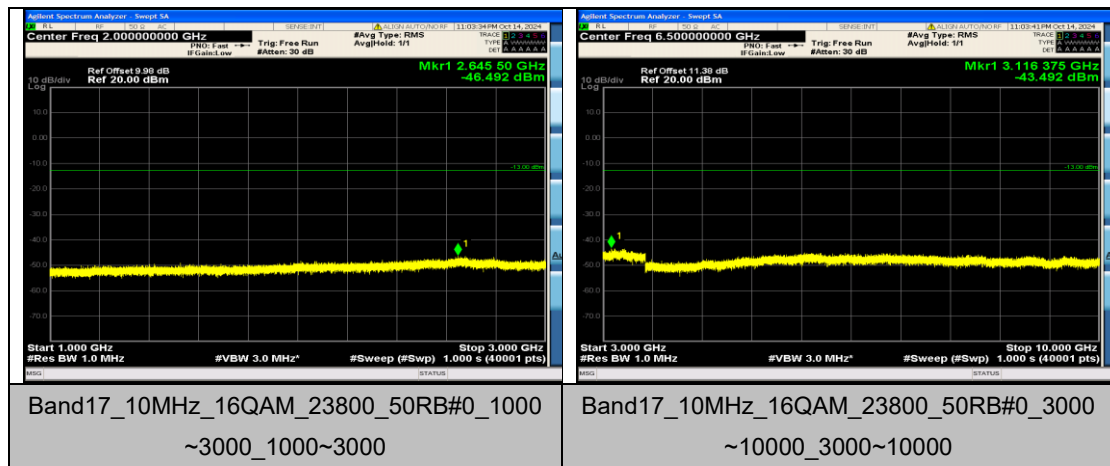












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	NV	-30	-10.74	-0.015202	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-20	-8.74	-0.012371	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	-10	-8.27	-0.011706	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	0	-4.76	-0.006737	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	10	-4.55	-0.006440	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	20	-6.55	-0.009271	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	30	-7.87	-0.011139	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	40	-10.80	-0.015287	±2.5	PASS
Band17	5MHz	QPSK	23755	25RB#0	NV	50	-10.87	-0.015386	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	-14.89	-0.020972	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	-8.01	-0.011282	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	-6.88	-0.009690	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-9.90	-0.013944	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-8.08	-0.011380	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	-5.24	-0.007380	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-7.55	-0.010634	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	-9.04	-0.012732	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	-7.54	-0.010620	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-30	-9.04	-0.012670	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-20	-5.97	-0.008367	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	-10	-9.88	-0.013847	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	0	-10.59	-0.014842	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	10	-13.63	-0.019103	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	20	-9.20	-0.012894	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	30	-9.43	-0.013217	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	40	-10.04	-0.014071	±2.5	PASS
Band17	5MHz	QPSK	23825	25RB#0	NV	50	-10.34	-0.014492	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-30	-2.80	-0.003963	±2.5	PASS

Band17	5MHz	16QAM	23755	25RB#0	NV	-20	-4.66	-0.006596	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	-10	-5.01	-0.007091	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	0	-8.43	-0.011932	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	10	-8.65	-0.012243	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	20	-7.22	-0.010219	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	30	-6.79	-0.009611	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	40	-6.42	-0.009087	±2.5	PASS
Band17	5MHz	16QAM	23755	25RB#0	NV	50	-10.37	-0.014678	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-30	-8.40	-0.011831	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-20	-7.31	-0.010296	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	-10	-7.30	-0.010282	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	0	-5.61	-0.007901	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	10	-11.04	-0.015549	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	20	-7.11	-0.010014	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	30	-5.15	-0.007254	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	40	-8.33	-0.011732	±2.5	PASS
Band17	5MHz	16QAM	23790	25RB#0	NV	50	-8.90	-0.012535	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-30	-8.25	-0.011563	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-20	-7.78	-0.010904	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	-10	-7.50	-0.010512	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	0	-9.08	-0.012726	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	10	-6.58	-0.009222	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	20	-14.59	-0.020448	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	30	-8.54	-0.011969	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	40	-10.86	-0.015221	±2.5	PASS
Band17	5MHz	16QAM	23825	25RB#0	NV	50	-8.81	-0.012348	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-9.14	-0.012891	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-10.66	-0.015035	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-10.20	-0.014386	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-12.55	-0.017701	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-9.23	-0.013018	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-9.81	-0.013836	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-10.29	-0.014513	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-12.27	-0.017306	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-11.86	-0.016728	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-7.04	-0.009915	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-12.23	-0.017225	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-12.56	-0.017690	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-9.54	-0.013437	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-3.13	-0.004408	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-9.40	-0.013239	±2.5	PASS

Band17	10MHz	QPSK	23790	50RB#0	NV	30	-9.27	-0.013056	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-11.27	-0.015873	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-6.32	-0.008901	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-9.00	-0.012658	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-12.93	-0.018186	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	-10.30	-0.014487	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-8.75	-0.012307	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-9.41	-0.013235	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	-9.84	-0.013840	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	-12.30	-0.017300	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-6.54	-0.009198	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	-10.04	-0.014121	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-9.36	-0.013202	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-8.94	-0.012609	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	-14.46	-0.020395	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-6.67	-0.009408	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-7.78	-0.010973	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-3.12	-0.004401	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-5.19	-0.007320	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-10.00	-0.014104	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-11.42	-0.016107	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-3.58	-0.005042	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-11.09	-0.015620	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	-8.80	-0.012394	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-9.51	-0.013394	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.89	-0.005479	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-12.92	-0.018197	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-10.13	-0.014268	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-10.24	-0.014423	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	-9.13	-0.012859	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-8.50	-0.011955	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-7.71	-0.010844	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-4.32	-0.006076	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-5.36	-0.007539	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-7.30	-0.010267	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-4.58	-0.006442	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-9.78	-0.013755	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-7.61	-0.010703	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-8.75	-0.012307	±2.5	PASS