

FCC LTE Band Test Data

FCC ID : **2BG6D-SDM660**

Company: : **Dongguan Yigaoxin Electronic Technology Co., Ltd.**

EUT : **Wireless Carplay Box**

Model Number : **SDM660**

Reviewed By : **Eric Wang**

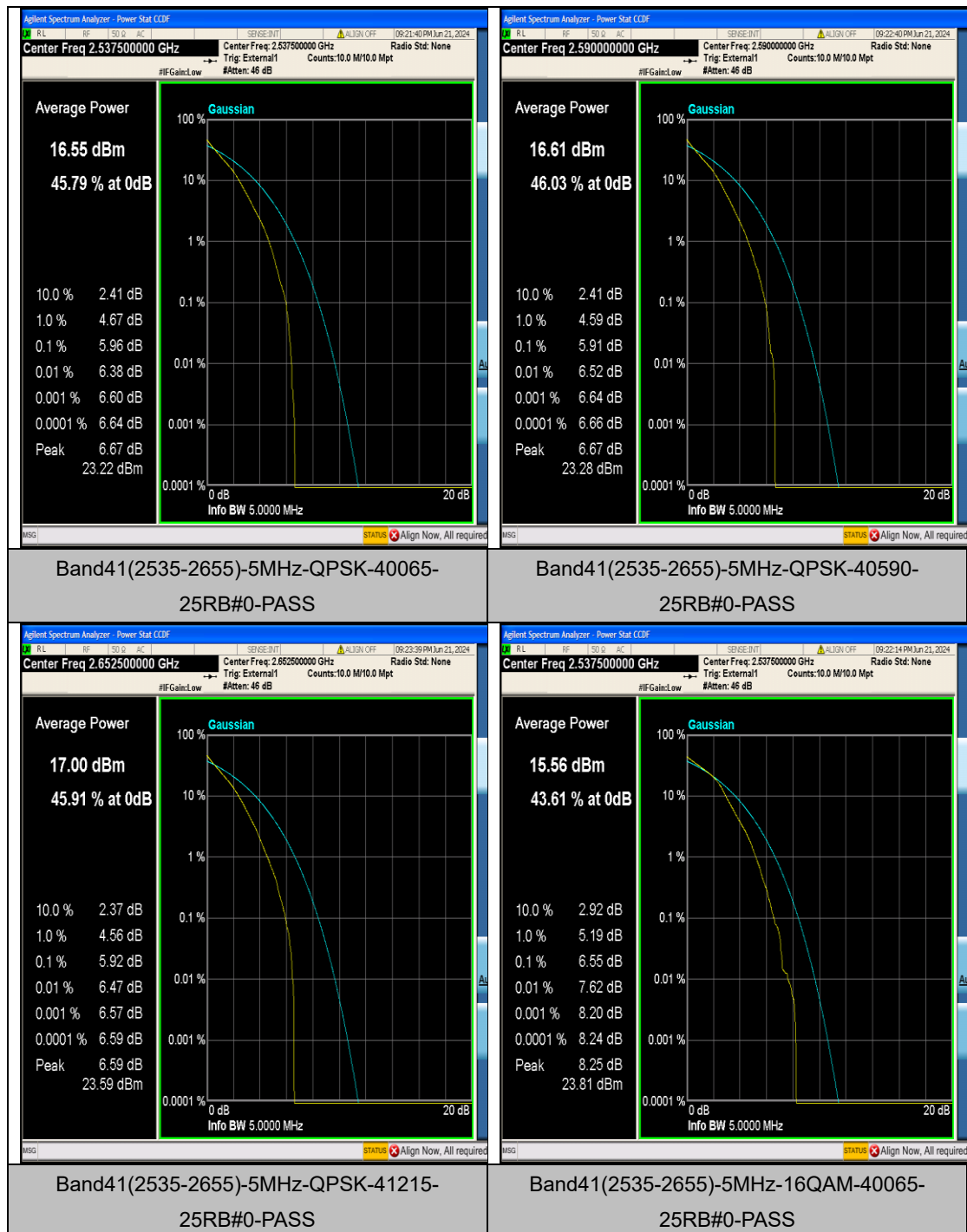
Appendix B: Peak-to-Average Ratio(CCDF)

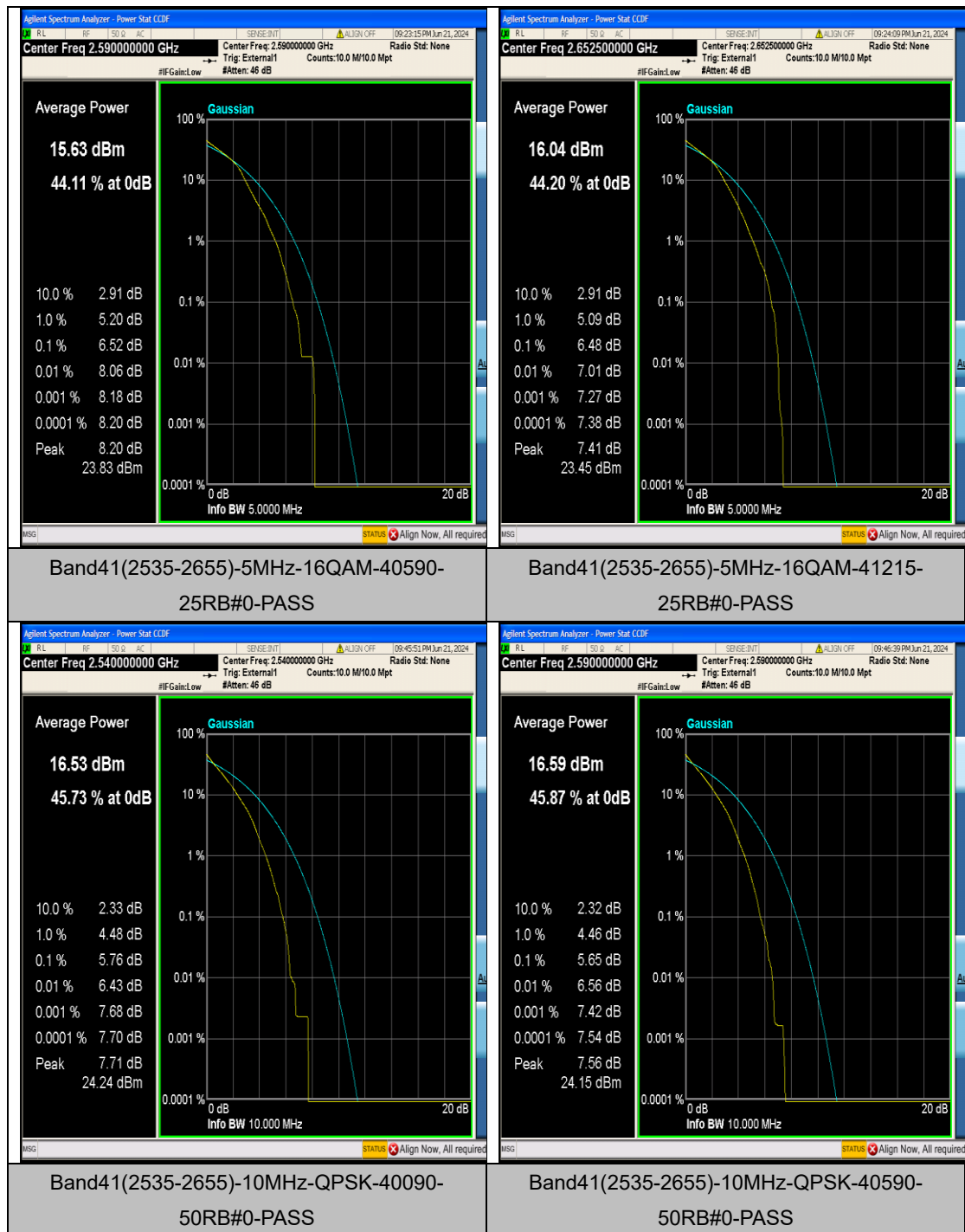
Test Result

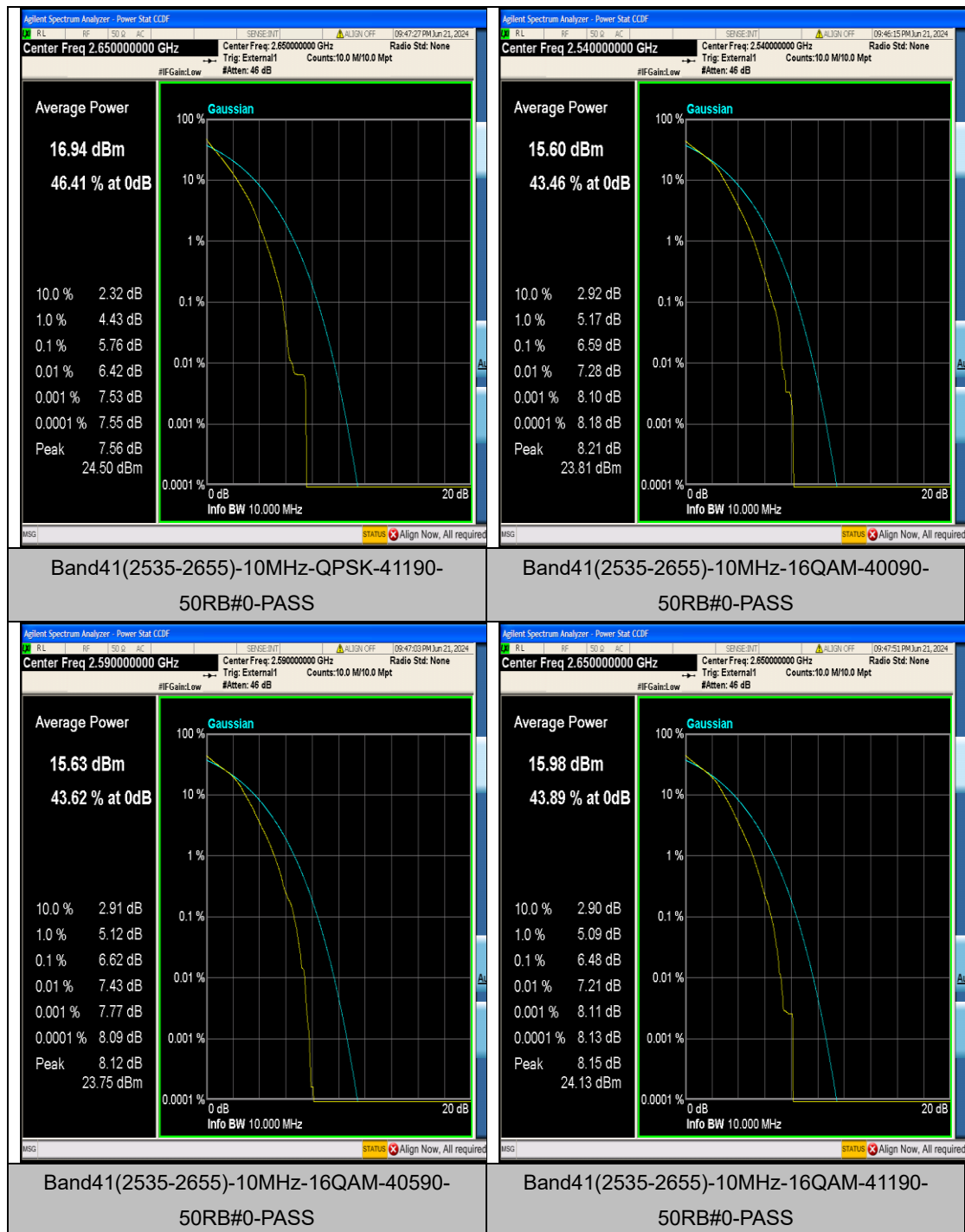
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	5.96	13	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	5.91	13	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	5.92	13	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	6.55	13	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	6.52	13	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	6.48	13	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	5.76	13	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	5.65	13	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	5.76	13	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	6.59	13	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	6.62	13	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	6.48	13	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	6.14	13	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	6.06	13	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	6.01	13	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	6.58	13	PASS
Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	6.63	13	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	6.56	13	PASS

Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	5.78	13	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	5.52	13	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	5.59	13	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	6.66	13	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	6.45	13	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	6.37	13	PASS

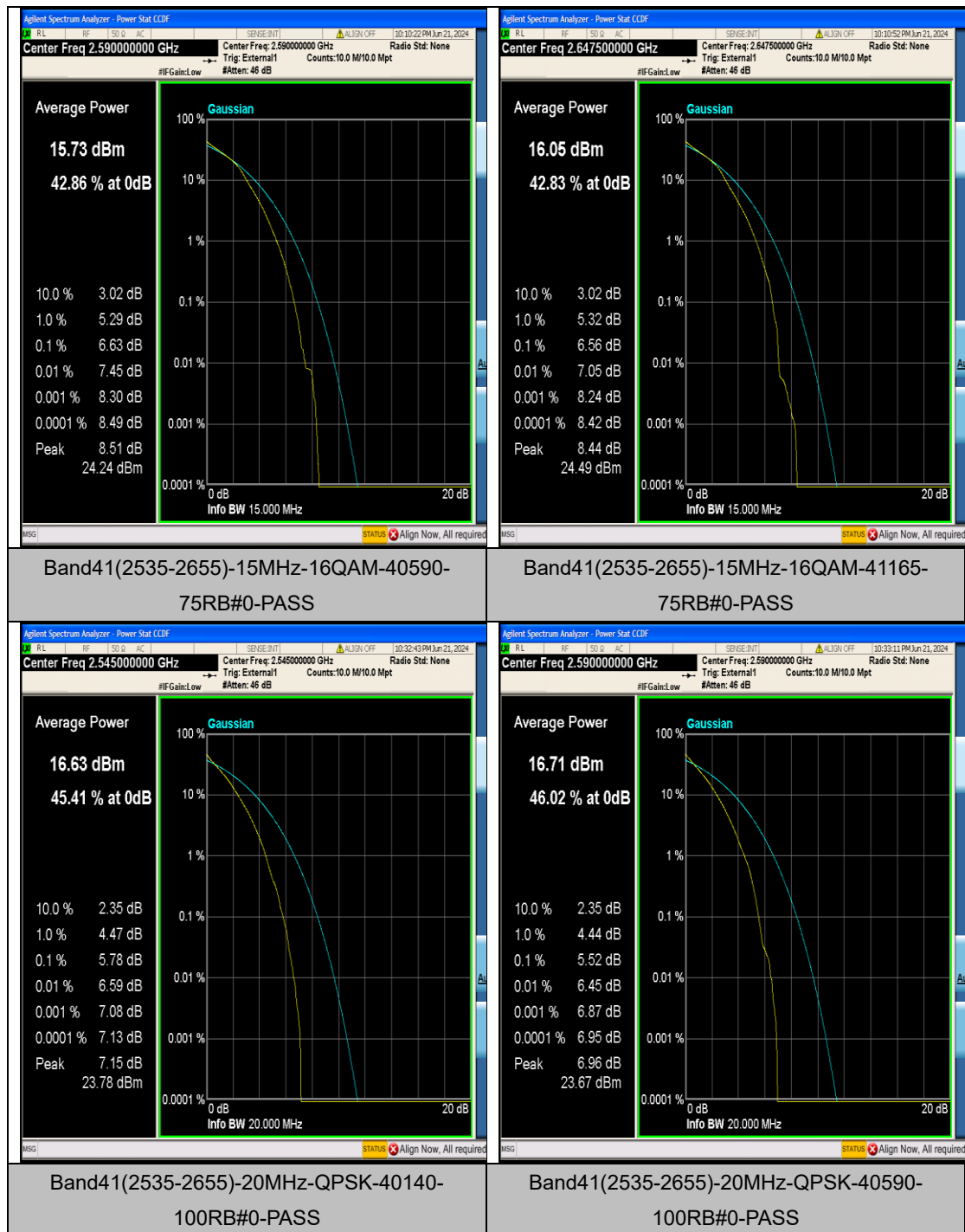
Test Graphs

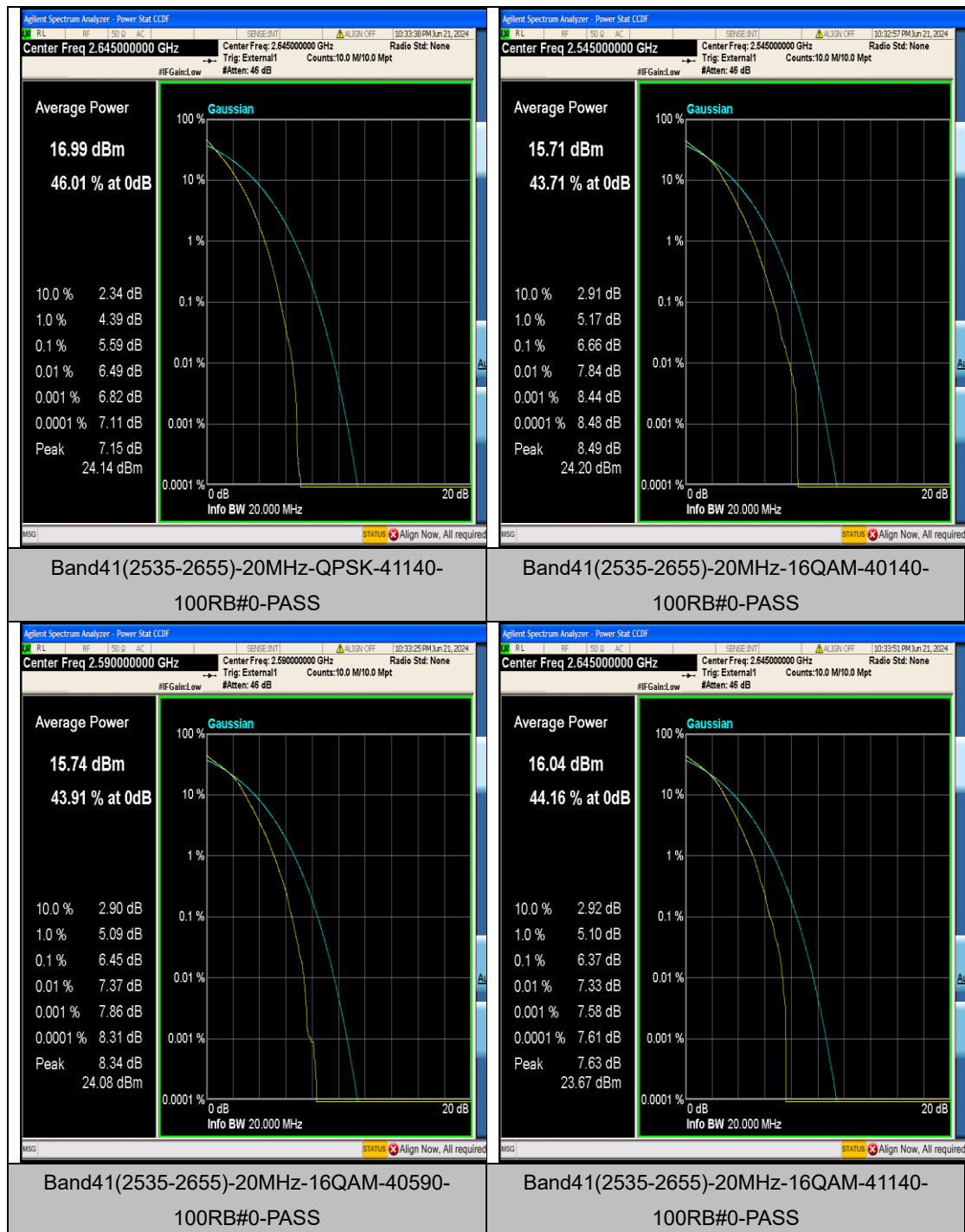












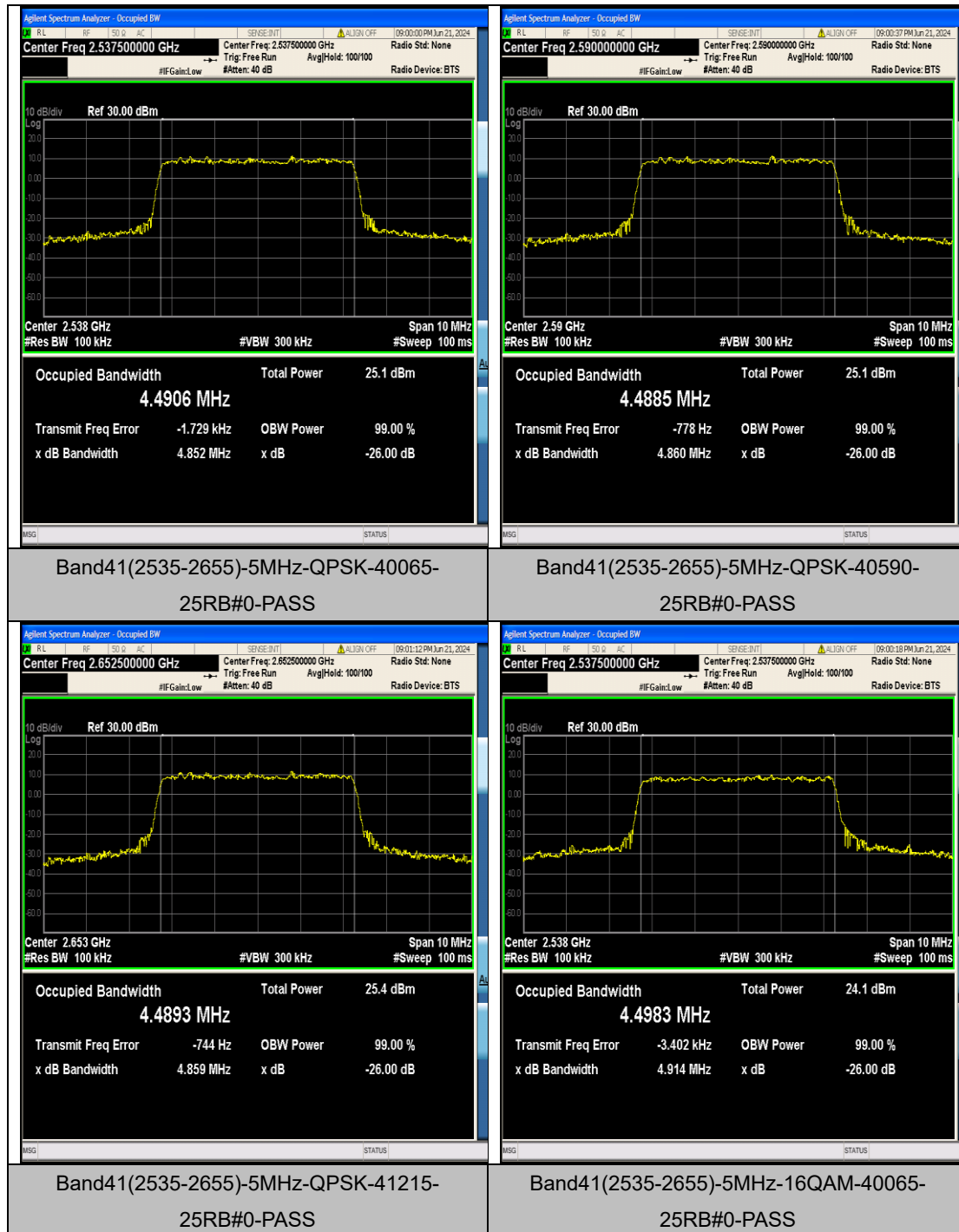
Appendix C: 26dB Bandwidth and Occupied Bandwidth

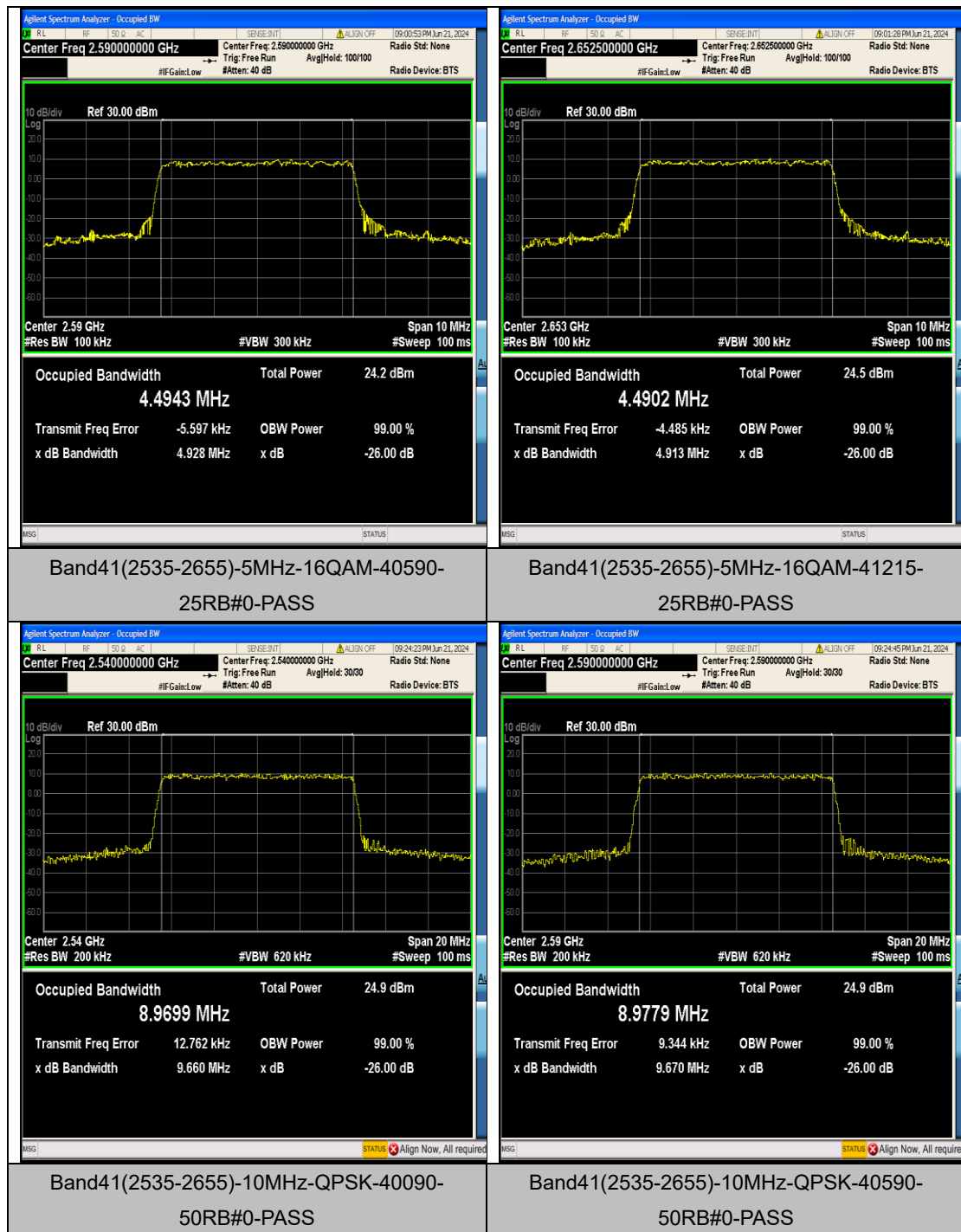
Test Result

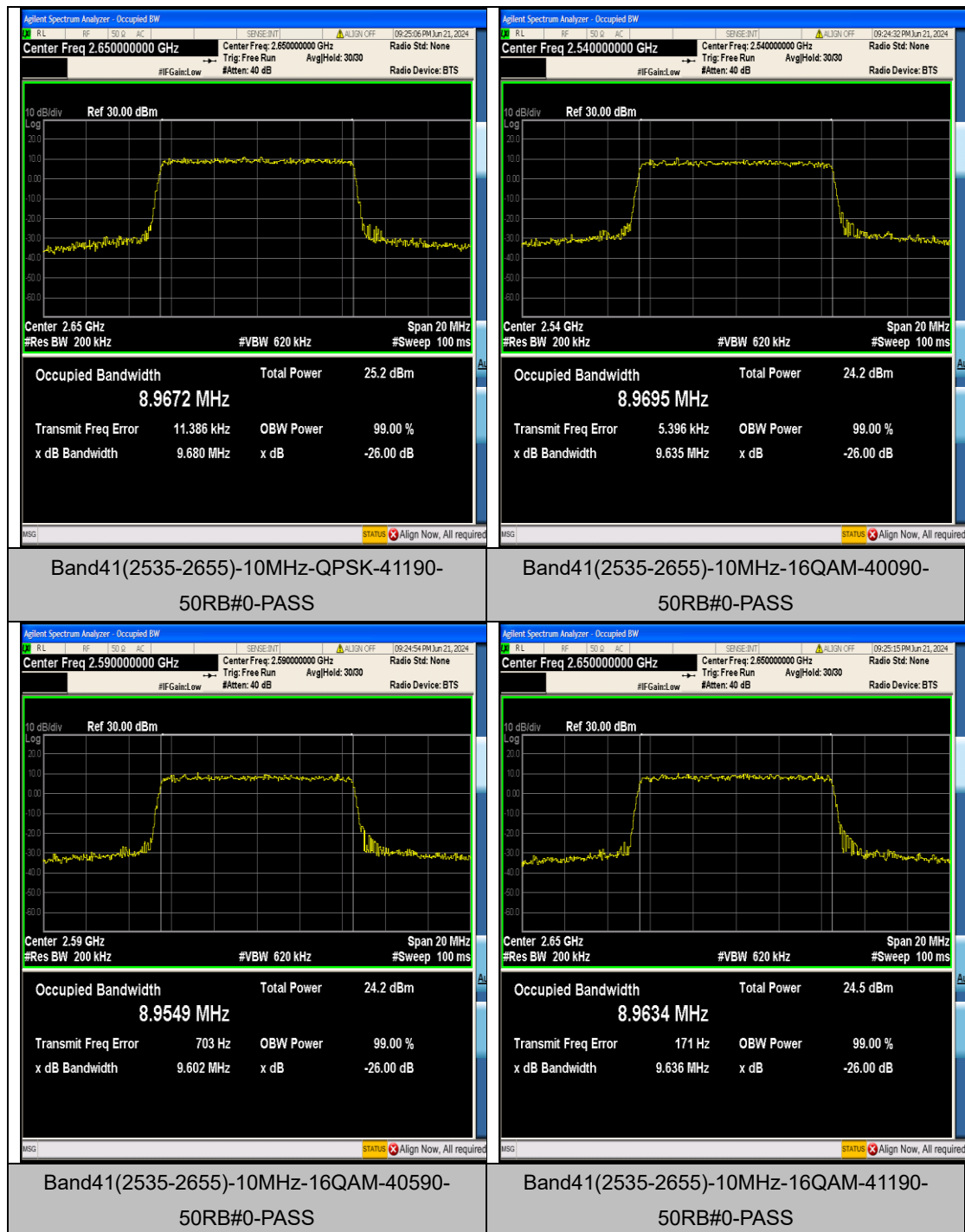
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	4.4906	4.852	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	4.4885	4.860	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	4.4893	4.859	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	4.4983	4.914	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	4.4943	4.928	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	4.4902	4.913	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	8.9699	9.660	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	8.9779	9.670	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	8.9672	9.680	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	8.9695	9.635	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	8.9549	9.602	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	8.9634	9.636	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	13.443	14.52	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	13.453	14.44	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	13.477	14.50	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	13.449	14.54	PASS
Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	13.463	14.59	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	13.460	14.48	PASS

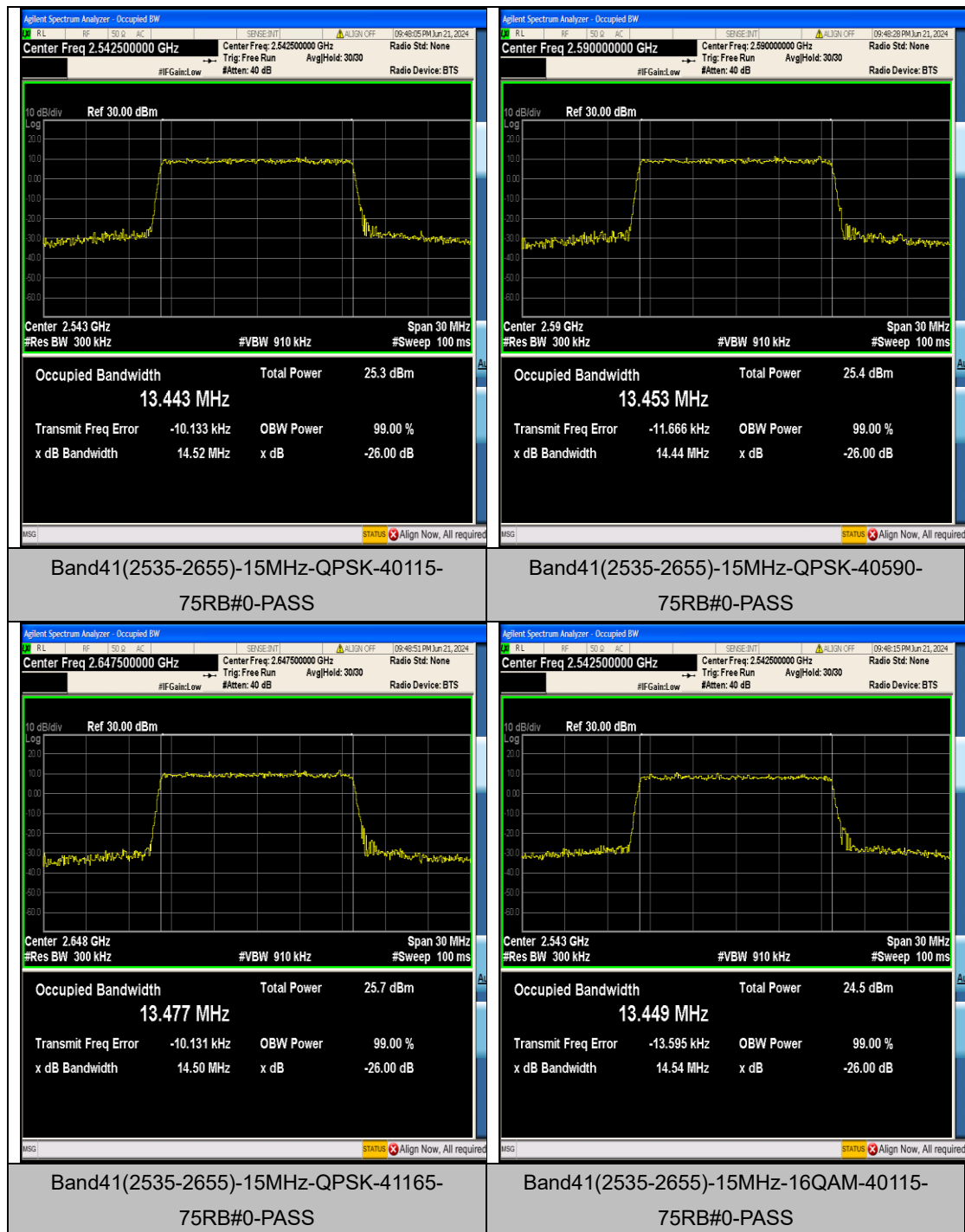
2655)							
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	17.935	19.41	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	17.945	19.41	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	17.957	19.44	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	17.915	19.52	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	17.916	19.53	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	17.880	19.45	PASS

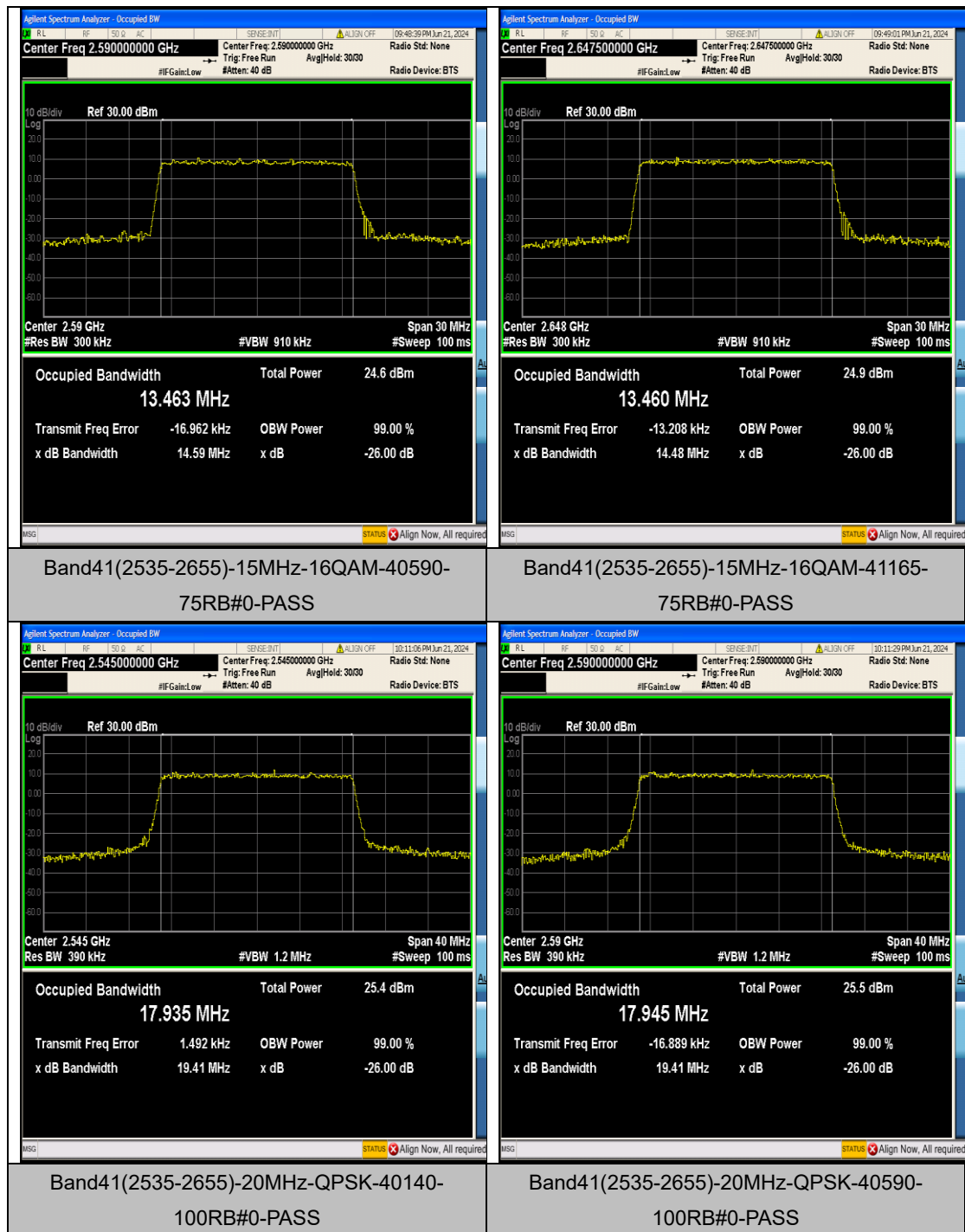
Test Graphs

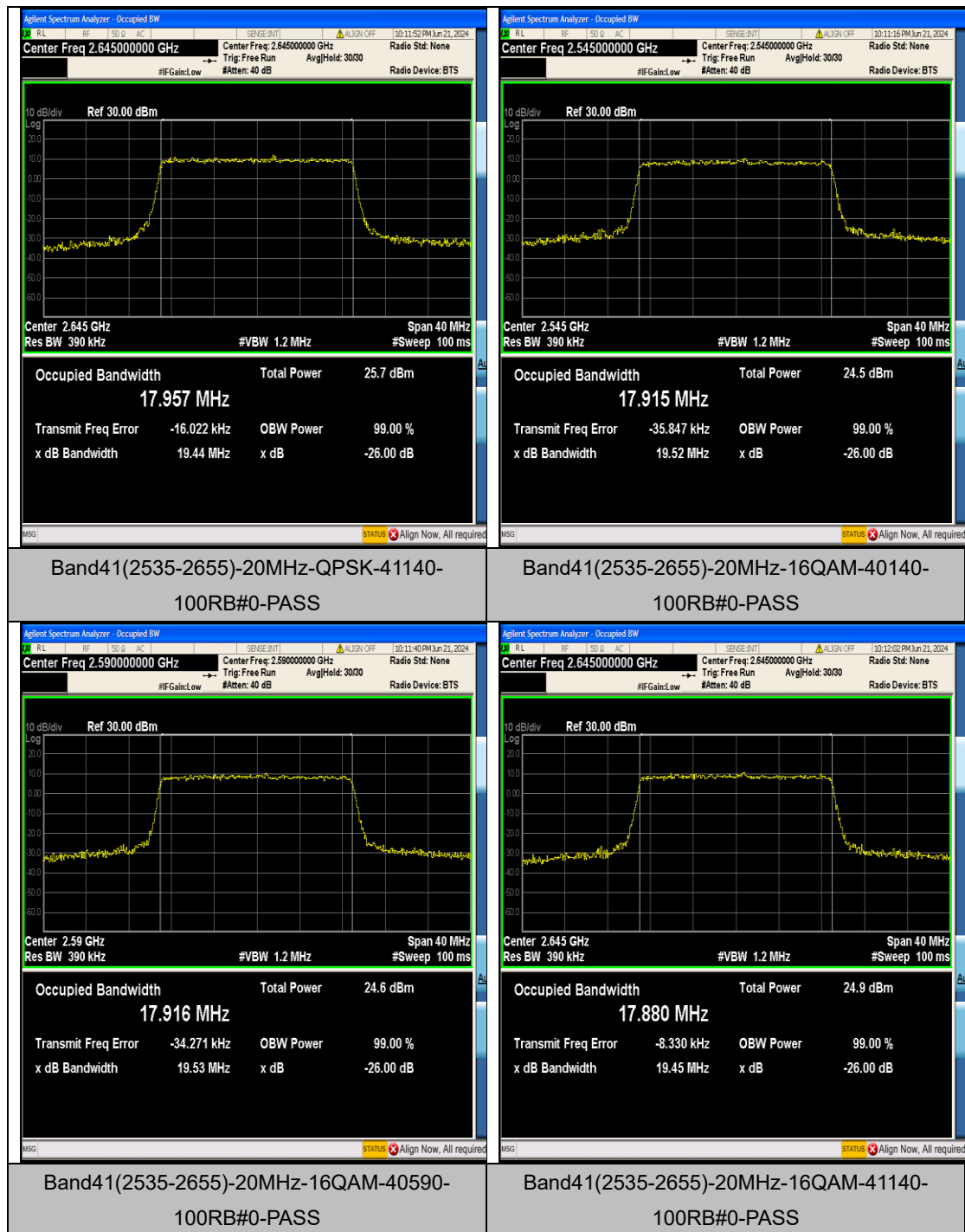










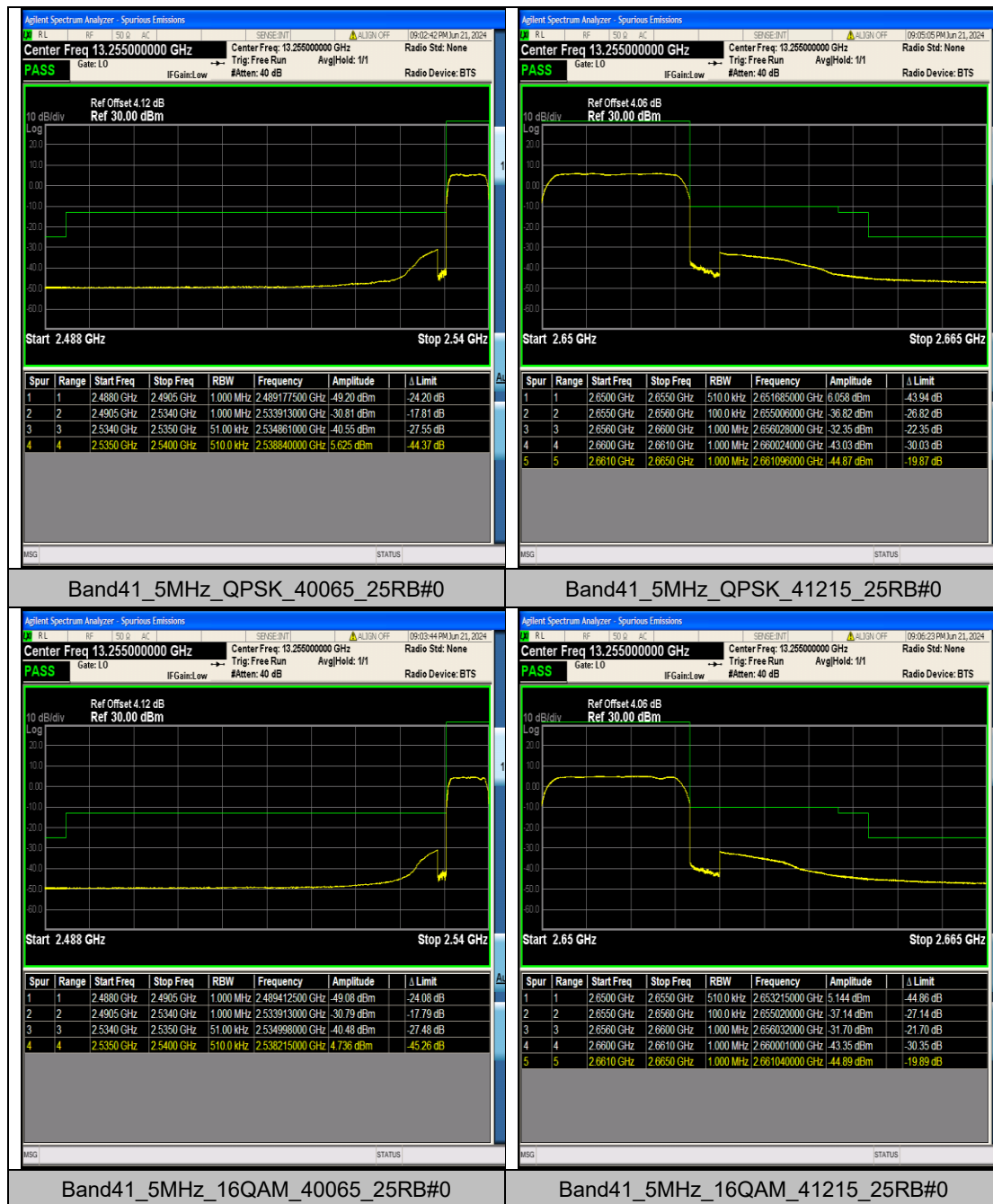


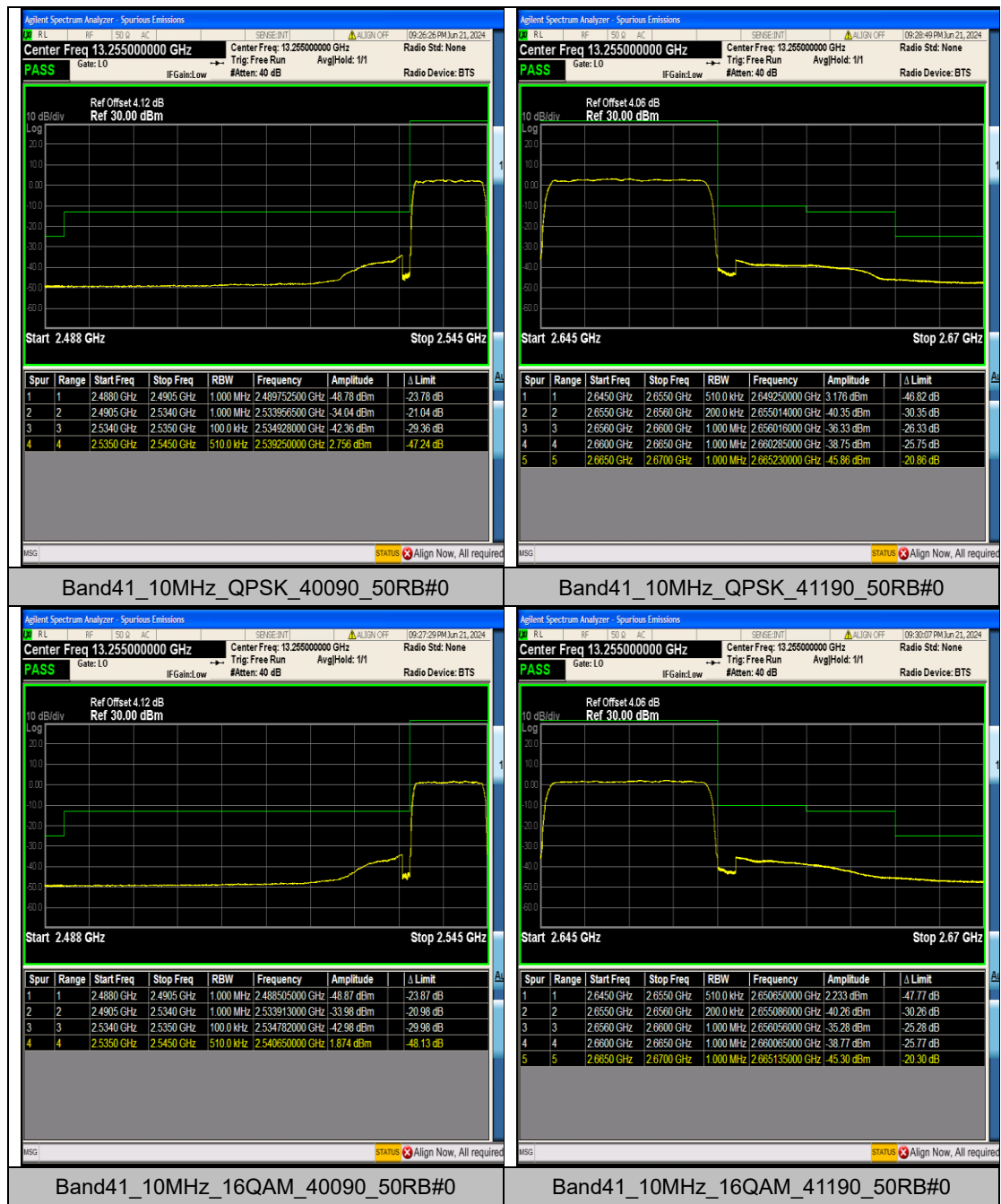
Appendix D: Band Edge

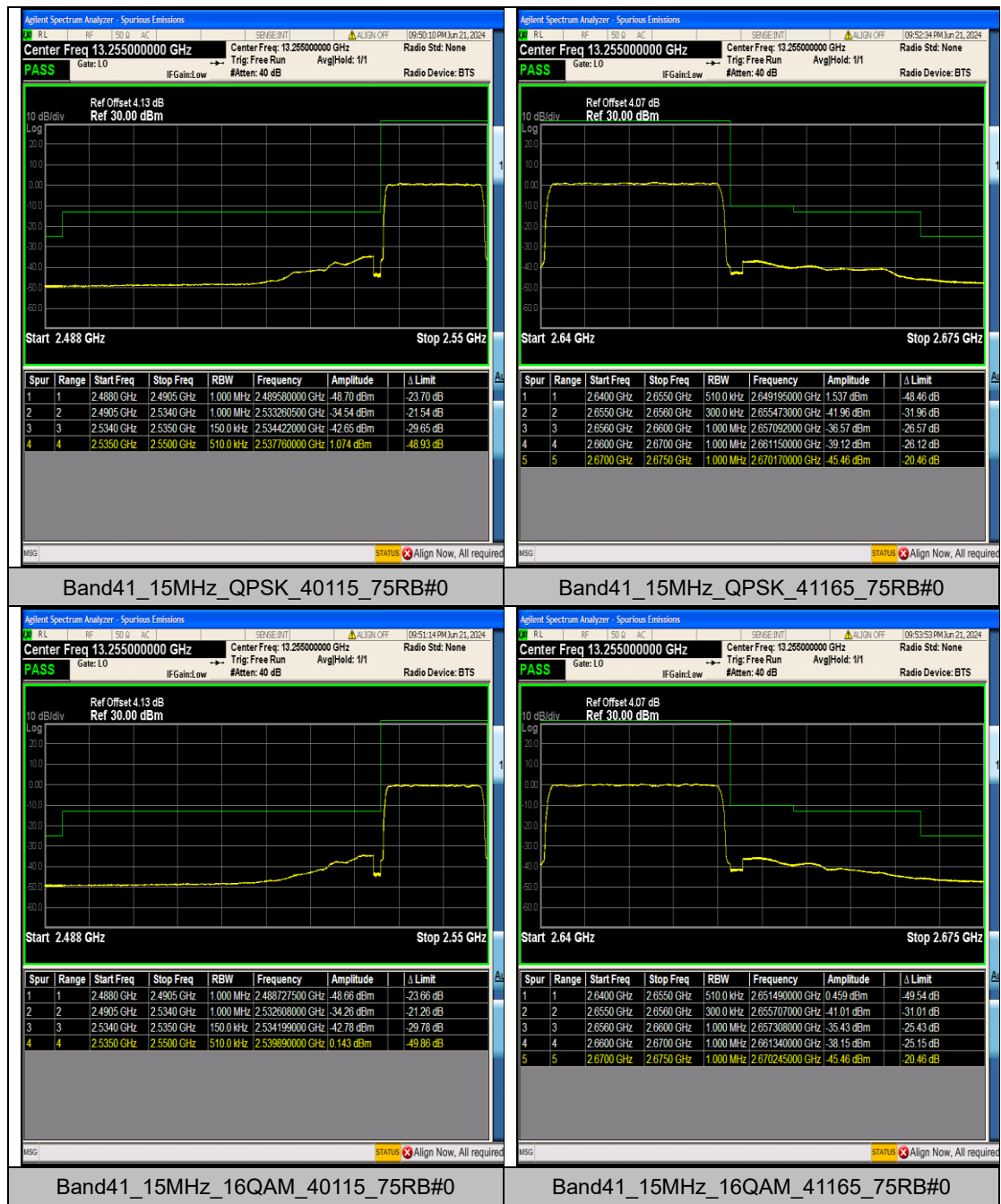
Test Result

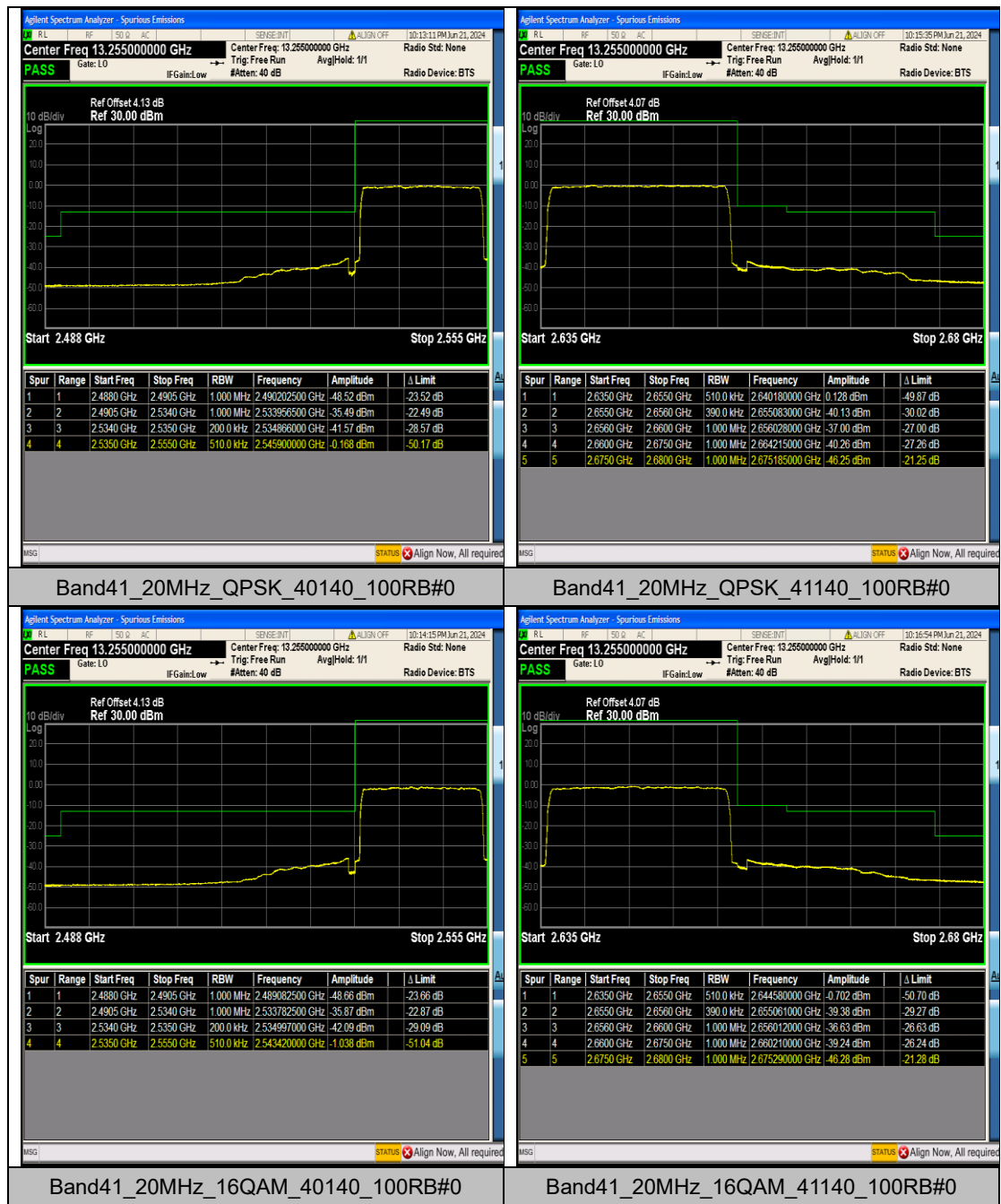
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	-30.81	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	-44.87	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	-30.79	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	-44.89	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	-34.04	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	-45.86	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	-33.98	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	-45.30	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	-34.54	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	-45.46	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	-34.26	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	-45.46	PASS
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	-35.49	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	-46.25	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	-35.87	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	-46.28	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	0.009~0.15	-73.39	PASS
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	0.15~30	-65.43	PASS
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	30~1000	-66.48	PASS
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	1000~20000	-46.38	PASS
Band41(2535-2655)	5MHz	QPSK	40065	25RB#0	20000~27000	-39.82	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	0.009~0.15	-73.65	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	0.15~30	-68.40	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	30~1000	-67.17	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	1000~20000	-45.66	PASS
Band41(2535-2655)	5MHz	QPSK	40590	25RB#0	20000~27000	-39.89	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	0.009~0.15	-73.82	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	0.15~30	-69.18	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	30~1000	-66.87	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	1000~20000	-45.95	PASS
Band41(2535-2655)	5MHz	QPSK	41215	25RB#0	20000~27000	-39.82	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	0.009~0.15	-73.10	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	0.15~30	-66.95	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	30~1000	-66.72	PASS

Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	1000~20000	- 46.31	PASS
Band41(2535-2655)	5MHz	16QAM	40065	25RB#0	20000~27000	- 39.93	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	0.009~0.15	- 72.97	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	0.15~30	- 68.51	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	30~1000	- 66.68	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	1000~20000	- 45.95	PASS
Band41(2535-2655)	5MHz	16QAM	40590	25RB#0	20000~27000	- 39.71	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	0.009~0.15	- 74.17	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	0.15~30	- 64.53	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	30~1000	- 66.72	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	1000~20000	- 46.32	PASS
Band41(2535-2655)	5MHz	16QAM	41215	25RB#0	20000~27000	- 39.97	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	0.009~0.15	- 73.46	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	0.15~30	- 64.25	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	30~1000	- 66.81	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	1000~20000	- 46.07	PASS
Band41(2535-2655)	10MHz	QPSK	40090	50RB#0	20000~27000	- 39.51	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	0.009~0.15	- 72.69	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	0.15~30	- 67.06	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	30~1000	- 66.69	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	1000~20000	- 46.14	PASS
Band41(2535-2655)	10MHz	QPSK	40590	50RB#0	20000~27000	- 39.57	PASS

Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	0.009~0.15	- 74.78	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	0.15~30	- 68.78	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	30~1000	- 66.81	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	1000~20000	- 45.98	PASS
Band41(2535-2655)	10MHz	QPSK	41190	50RB#0	20000~27000	- 39.74	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	0.009~0.15	- 75.16	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	0.15~30	- 66.64	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	30~1000	- 66.83	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	1000~20000	- 46.16	PASS
Band41(2535-2655)	10MHz	16QAM	40090	50RB#0	20000~27000	- 40.08	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	0.009~0.15	- 75.65	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	0.15~30	- 64.53	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	30~1000	- 67.02	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	1000~20000	- 46.01	PASS
Band41(2535-2655)	10MHz	16QAM	40590	50RB#0	20000~27000	- 39.35	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	0.009~0.15	- 74.65	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	0.15~30	- 65.08	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	30~1000	- 66.97	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	1000~20000	- 46.25	PASS
Band41(2535-2655)	10MHz	16QAM	41190	50RB#0	20000~27000	- 39.74	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	0.009~0.15	- 75.20	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	0.15~30	- 63.91	PASS

Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	30~1000	- 66.84	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	1000~20000	- 46.01	PASS
Band41(2535-2655)	15MHz	QPSK	40115	75RB#0	20000~27000	- 39.59	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	0.009~0.15	- 75.28	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	0.15~30	- 66.96	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	30~1000	- 66.33	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	1000~20000	- 45.99	PASS
Band41(2535-2655)	15MHz	QPSK	40590	75RB#0	20000~27000	- 39.56	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	0.009~0.15	- 73.47	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	0.15~30	- 67.02	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	30~1000	- 66.78	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	1000~20000	- 46.40	PASS
Band41(2535-2655)	15MHz	QPSK	41165	75RB#0	20000~27000	- 39.59	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	0.009~0.15	- 73.27	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	0.15~30	- 65.93	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	30~1000	- 66.65	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	1000~20000	- 46.13	PASS
Band41(2535-2655)	15MHz	16QAM	40115	75RB#0	20000~27000	- 39.71	PASS
Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	0.009~0.15	- 73.27	PASS
Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	0.15~30	- 68.24	PASS
Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	30~1000	- 66.71	PASS
Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	1000~20000	- 46.03	PASS

Band41(2535-2655)	15MHz	16QAM	40590	75RB#0	20000~27000	- 39.78	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	0.009~0.15	- 75.44	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	0.15~30	- 68.20	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	30~1000	- 66.59	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	1000~20000	- 46.41	PASS
Band41(2535-2655)	15MHz	16QAM	41165	75RB#0	20000~27000	- 39.80	PASS
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	0.009~0.15	- 73.95	PASS
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	0.15~30	- 65.85	PASS
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	30~1000	- 66.75	PASS
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	1000~20000	- 45.97	PASS
Band41(2535-2655)	20MHz	QPSK	40140	100RB#0	20000~27000	- 39.65	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	0.009~0.15	- 75.26	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	0.15~30	- 65.12	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	30~1000	- 66.67	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	1000~20000	- 45.97	PASS
Band41(2535-2655)	20MHz	QPSK	40590	100RB#0	20000~27000	- 39.43	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	0.009~0.15	- 72.80	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	0.15~30	- 66.53	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	30~1000	- 66.16	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	1000~20000	- 45.39	PASS
Band41(2535-2655)	20MHz	QPSK	41140	100RB#0	20000~27000	- 39.51	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	0.009~0.15	- 72.11	PASS

Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	0.15~30	- 66.95	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	30~1000	- 66.62	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	1000~20000	- 46.16	PASS
Band41(2535-2655)	20MHz	16QAM	40140	100RB#0	20000~27000	- 39.36	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	0.009~0.15	- 74.94	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	0.15~30	- 66.94	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	30~1000	- 66.85	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	1000~20000	- 45.93	PASS
Band41(2535-2655)	20MHz	16QAM	40590	100RB#0	20000~27000	- 39.77	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	0.009~0.15	- 75.63	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	0.15~30	- 67.30	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	30~1000	- 66.71	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	1000~20000	- 46.15	PASS
Band41(2535-2655)	20MHz	16QAM	41140	100RB#0	20000~27000	- 39.61	PASS

Test Graphs

