

FCC LTE Band Test Data

FCC ID : 2BL85-LEM

Company: : SHENZHEN WAYFOR WARD ELECTRONIC CO.,LTD

EUT : smart watch

Model Number : LEM10

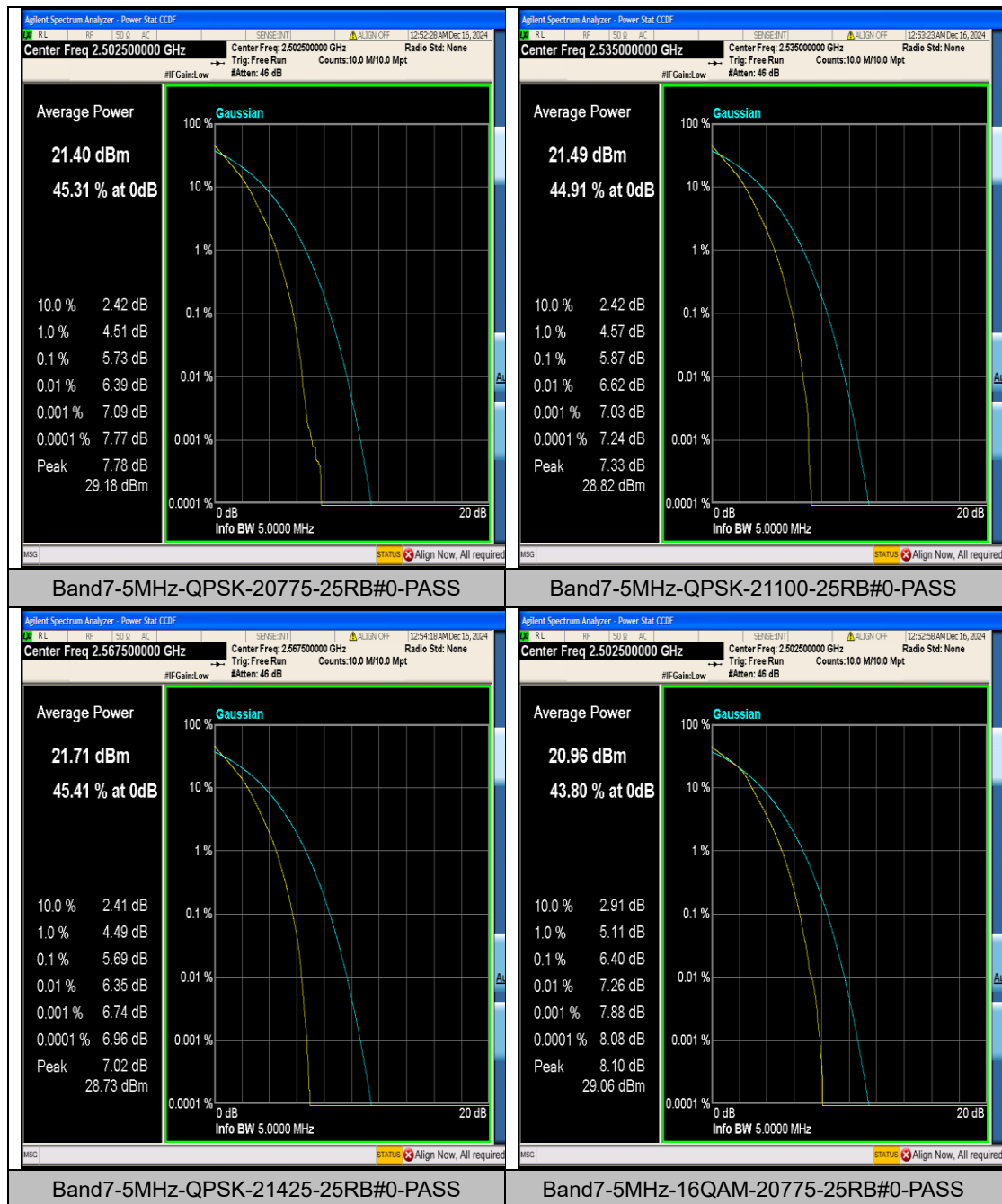
Reviewed By : Eric Wang

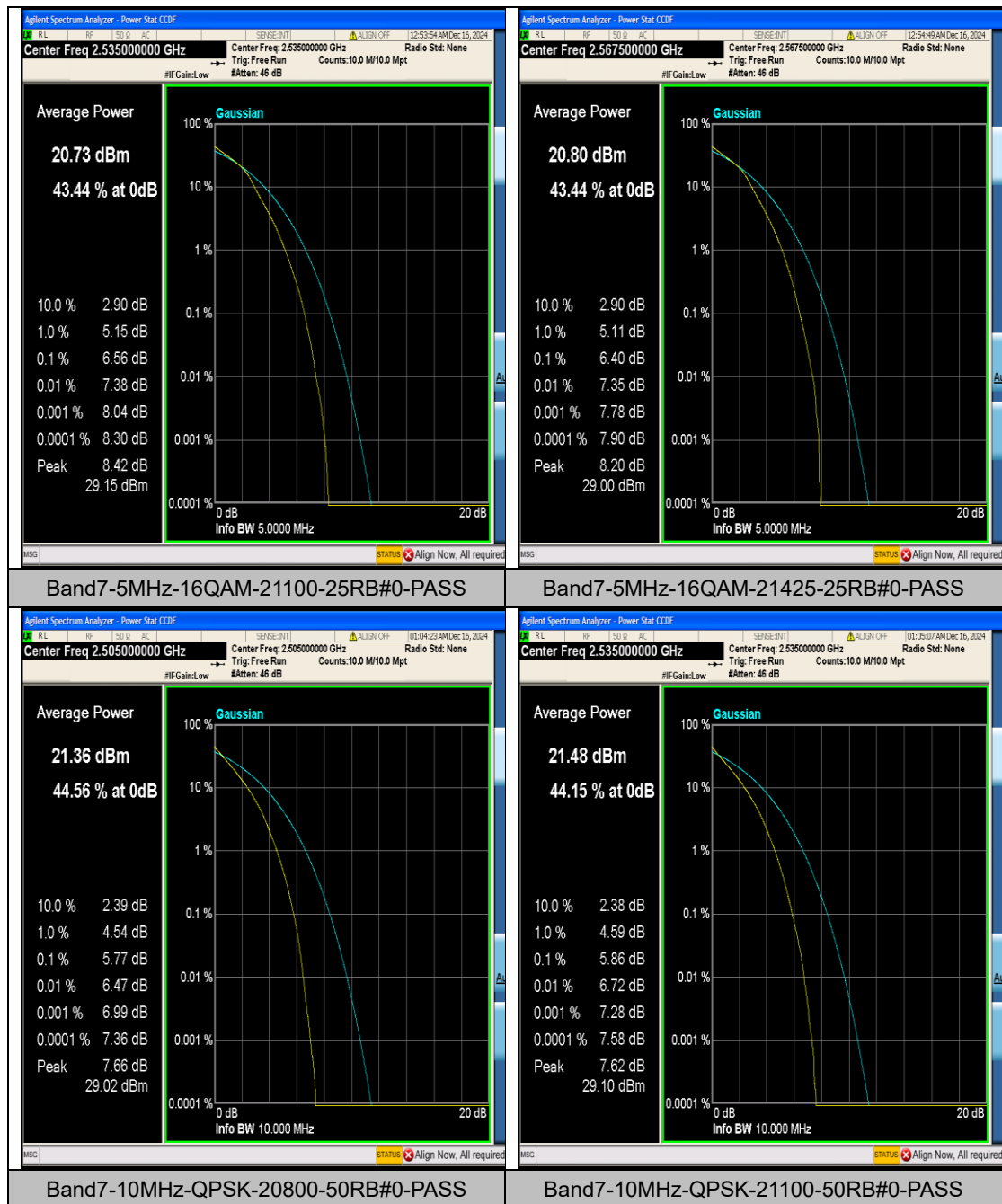
Appendix B: Peak-to-Average Ratio(CCDF)

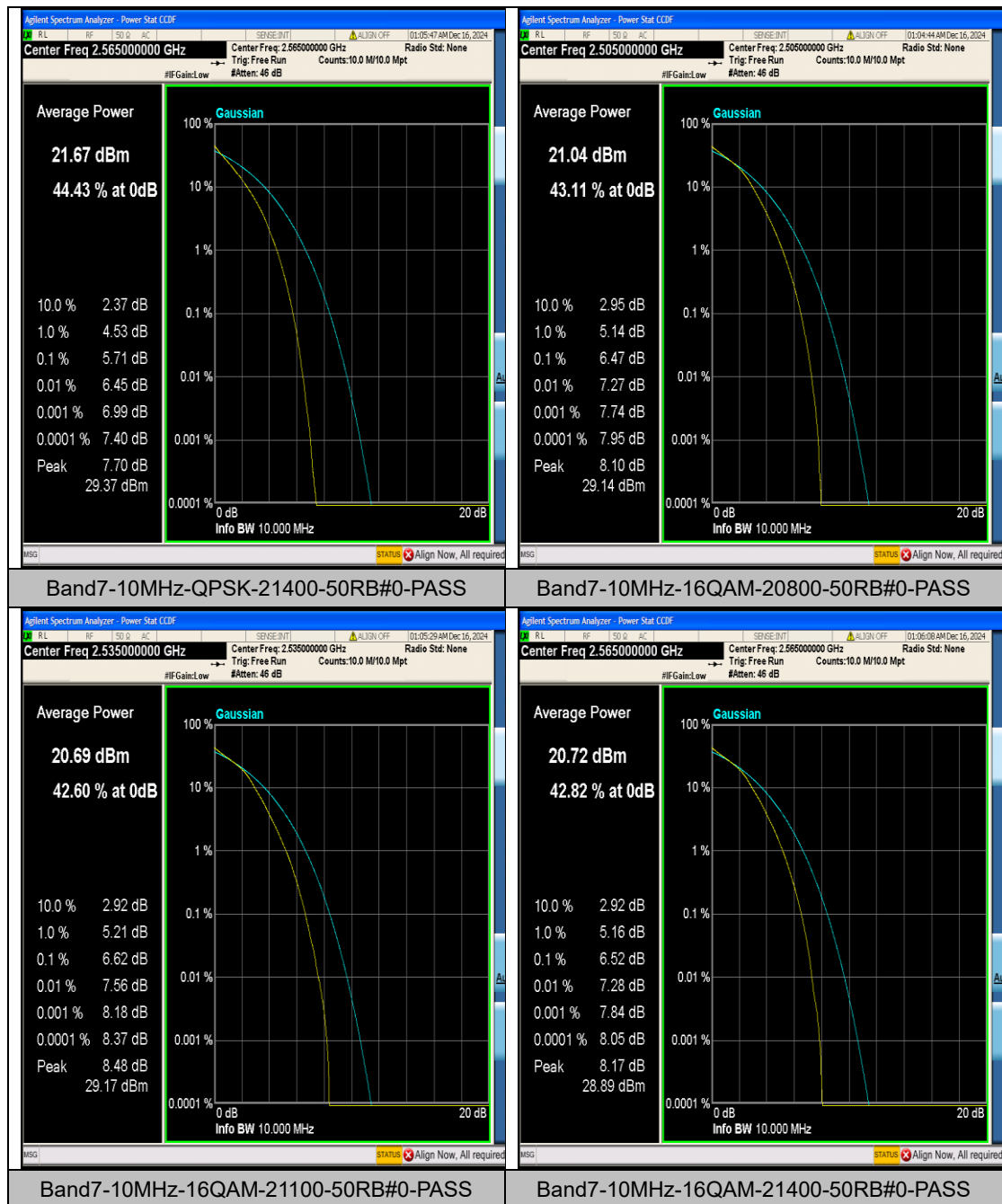
Test Result

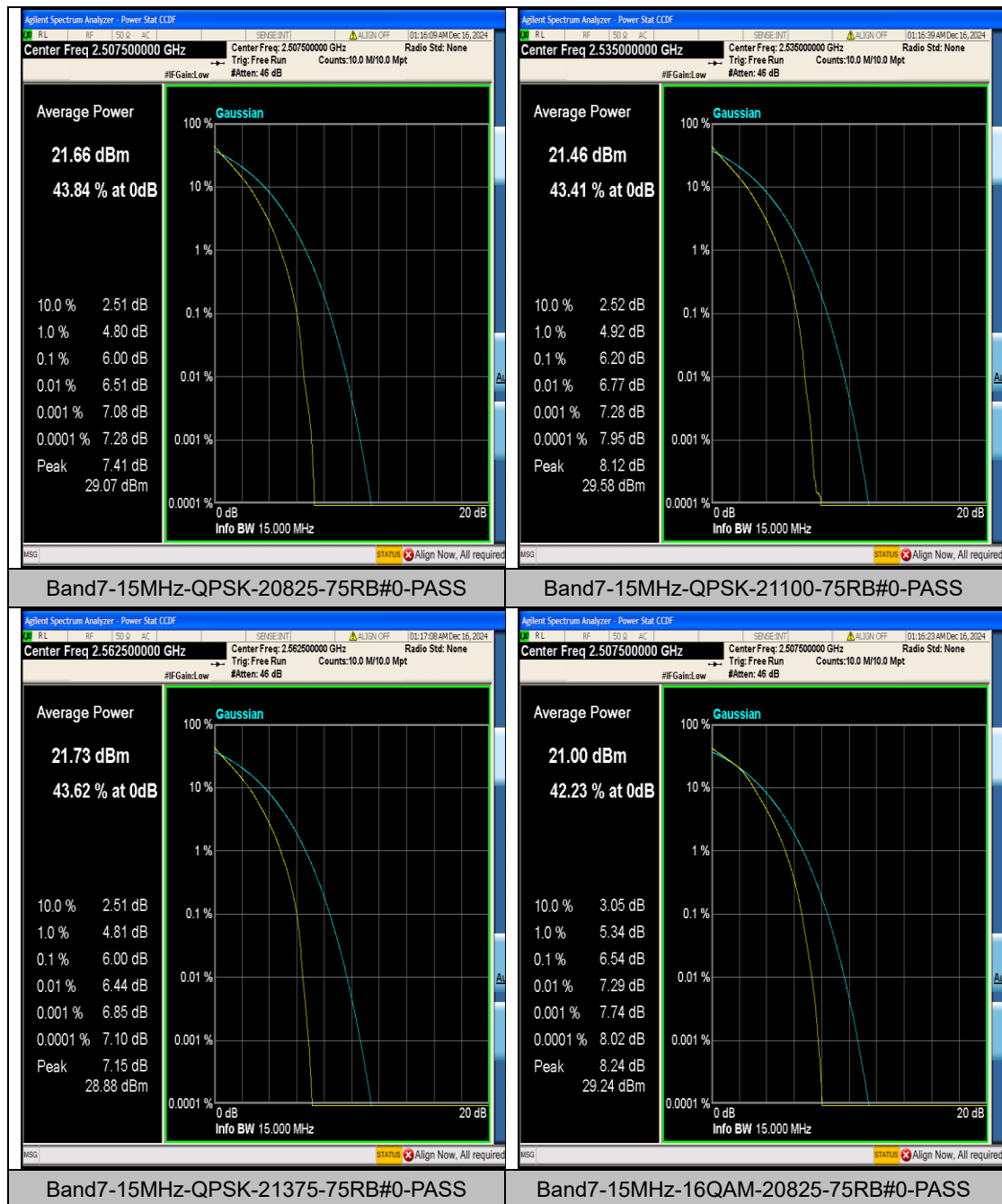
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.73	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.87	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.69	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.40	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.56	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.40	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.77	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.86	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.71	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.47	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.62	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.52	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	6.00	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	6.20	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	6.00	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.54	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.65	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.52	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.79	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	6.01	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.78	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.55	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.60	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.49	13	PASS

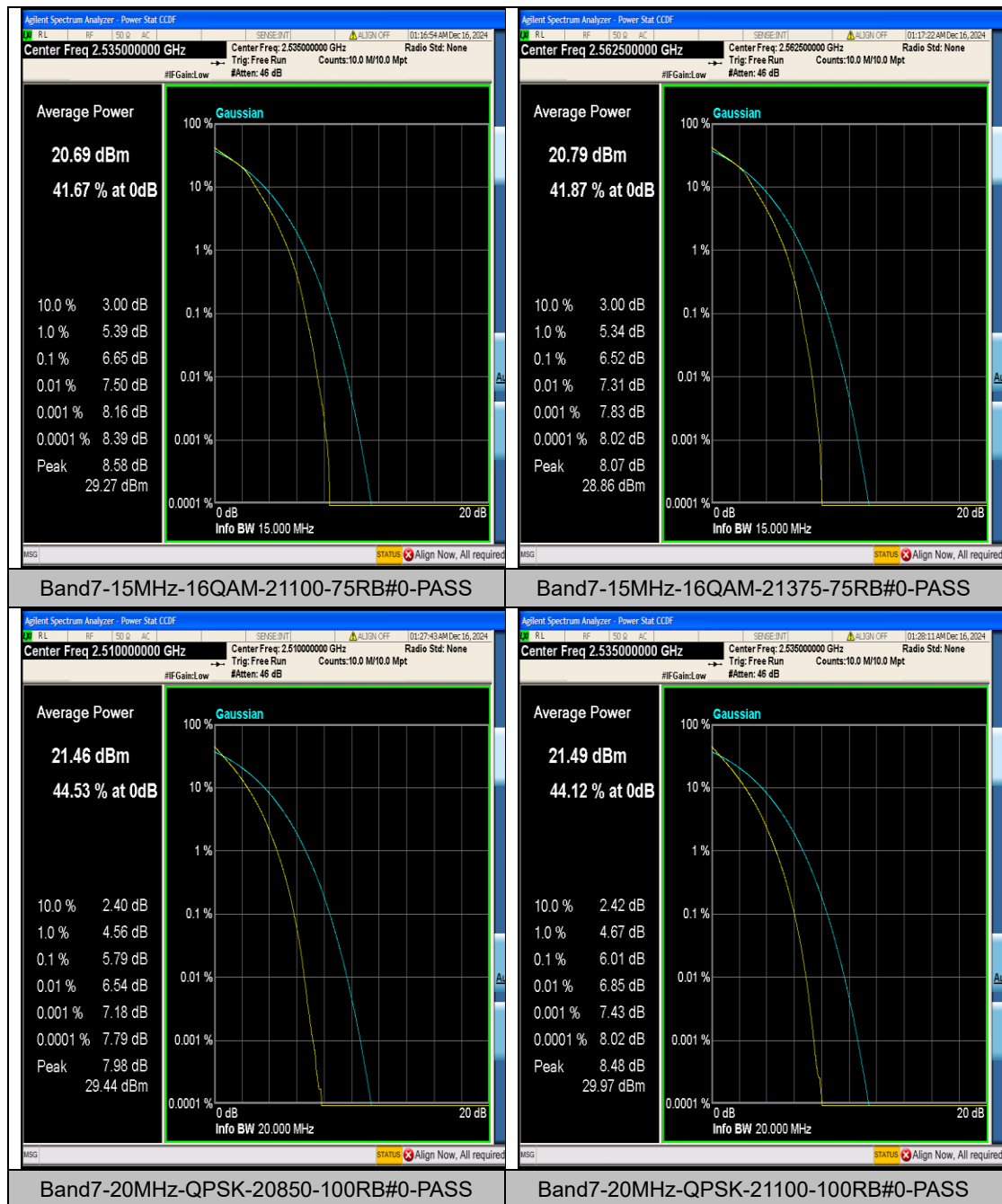
Test Graphs

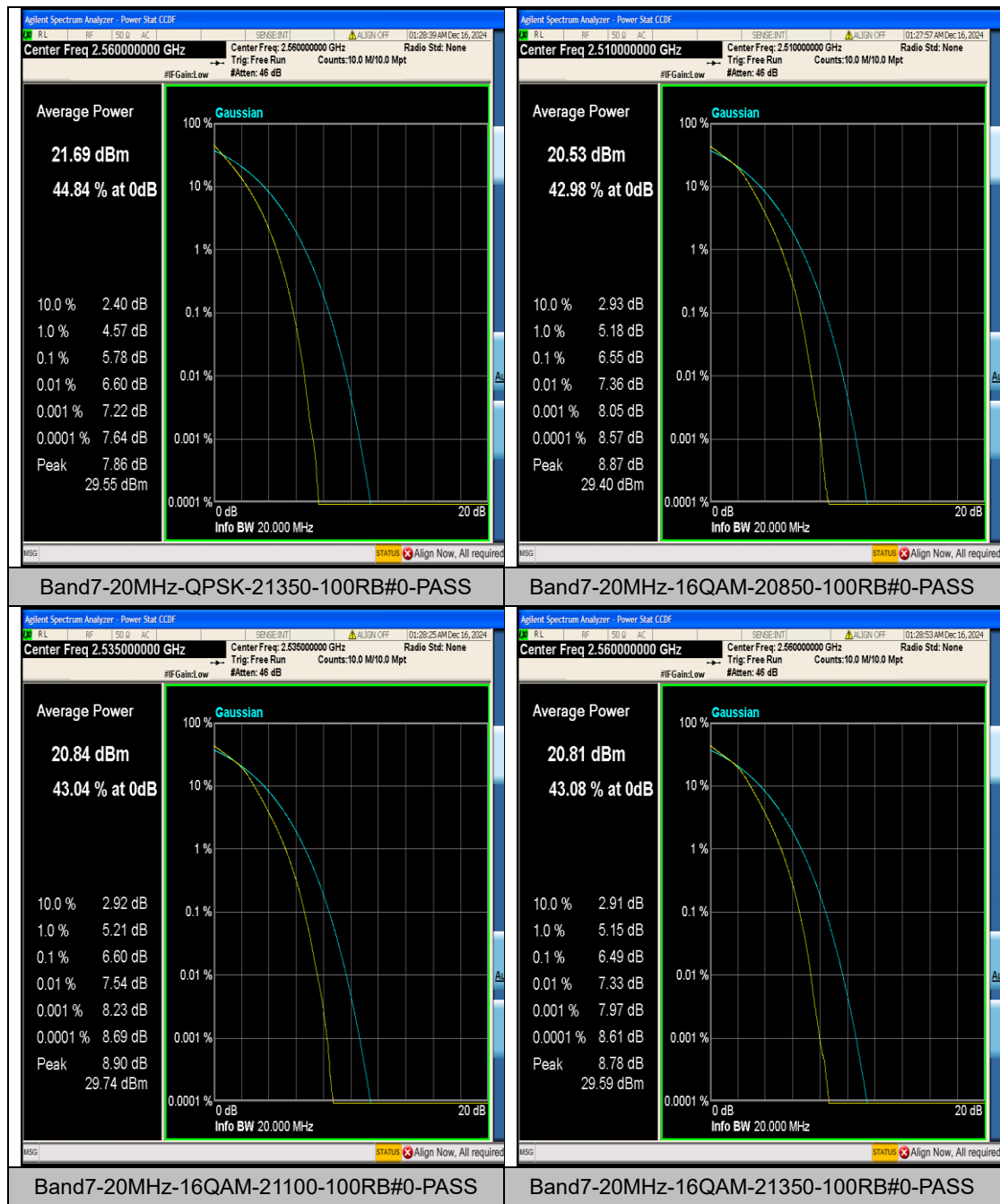










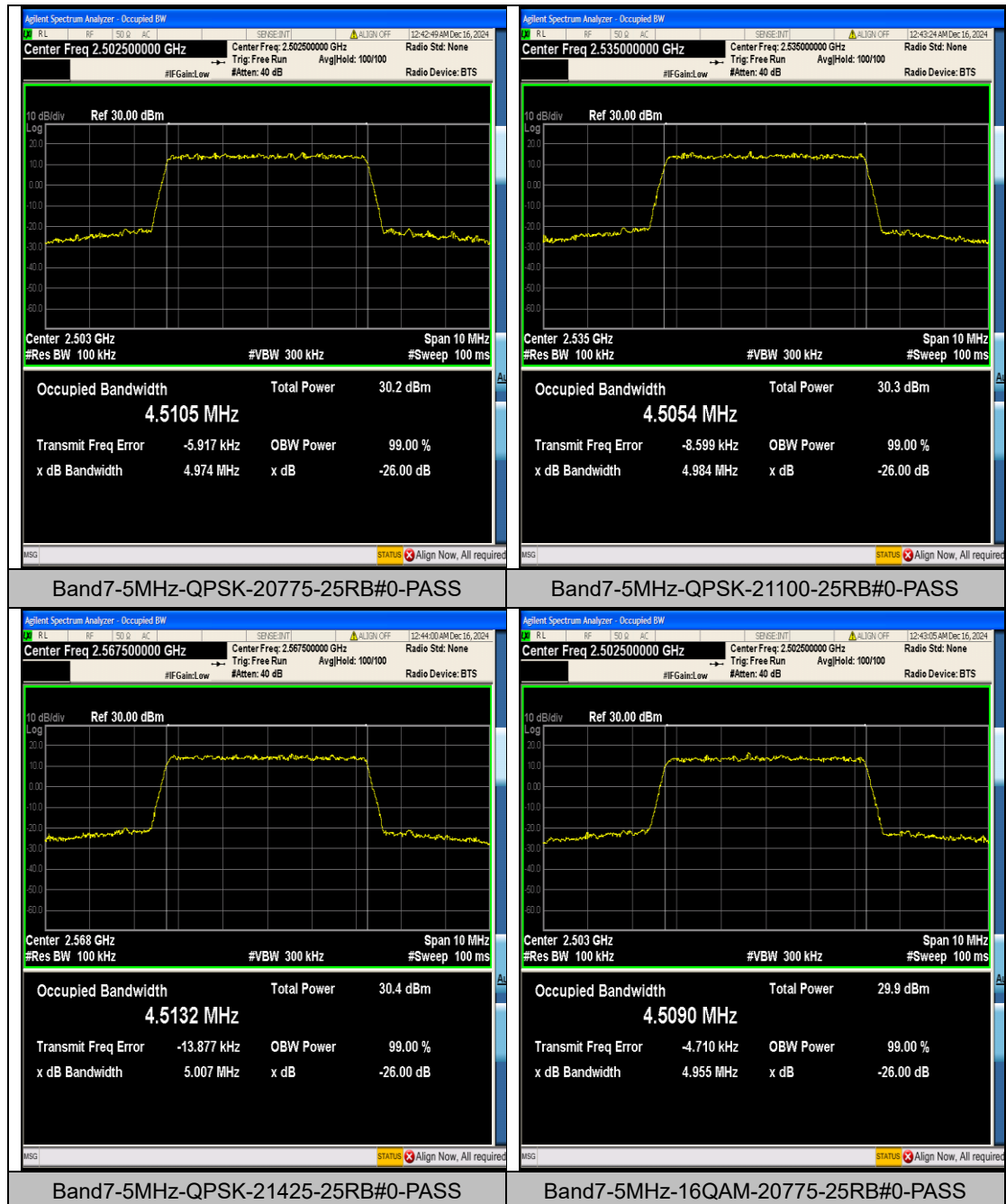


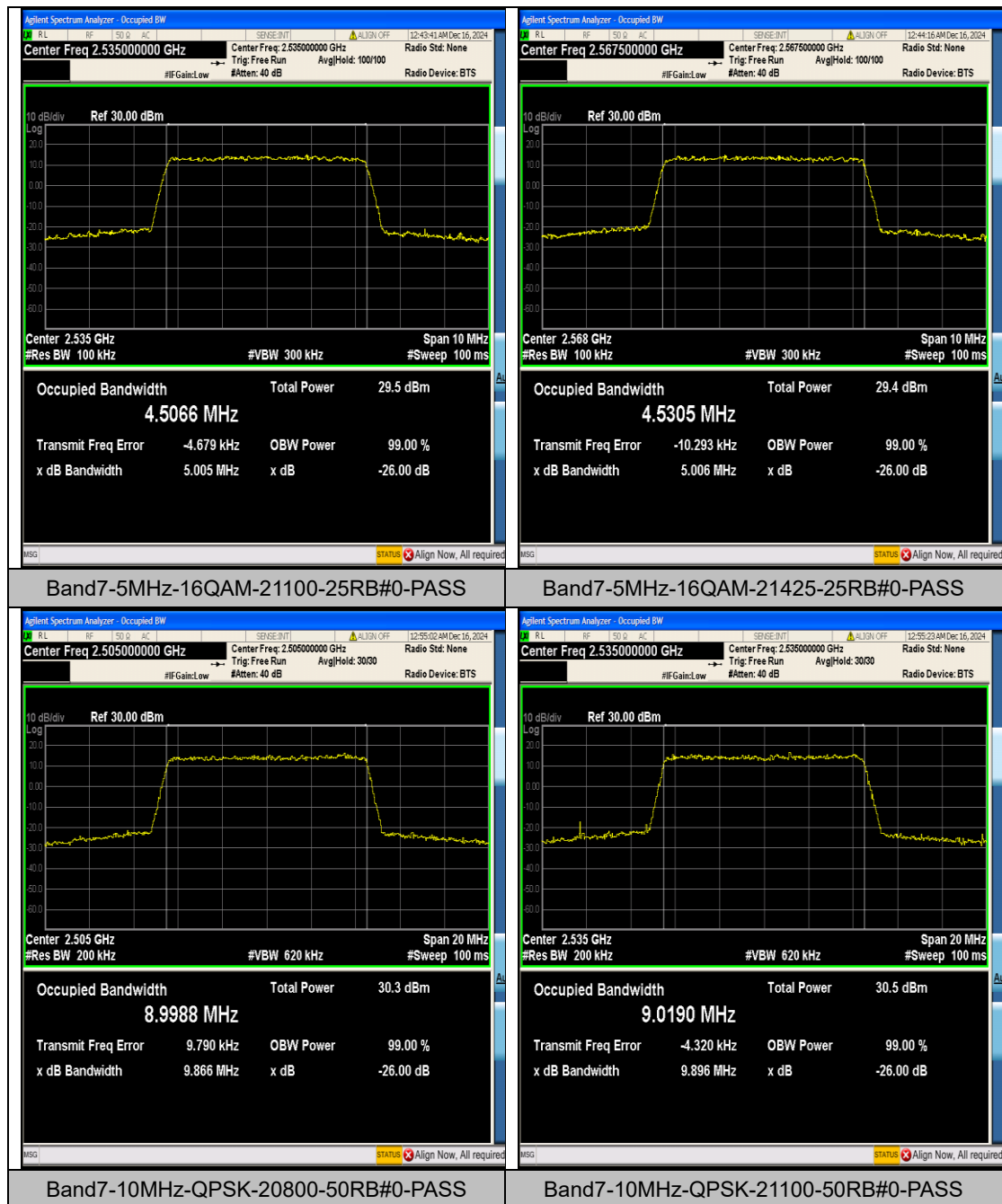
Appendix C: 26dB Bandwidth and Occupied Bandwidth

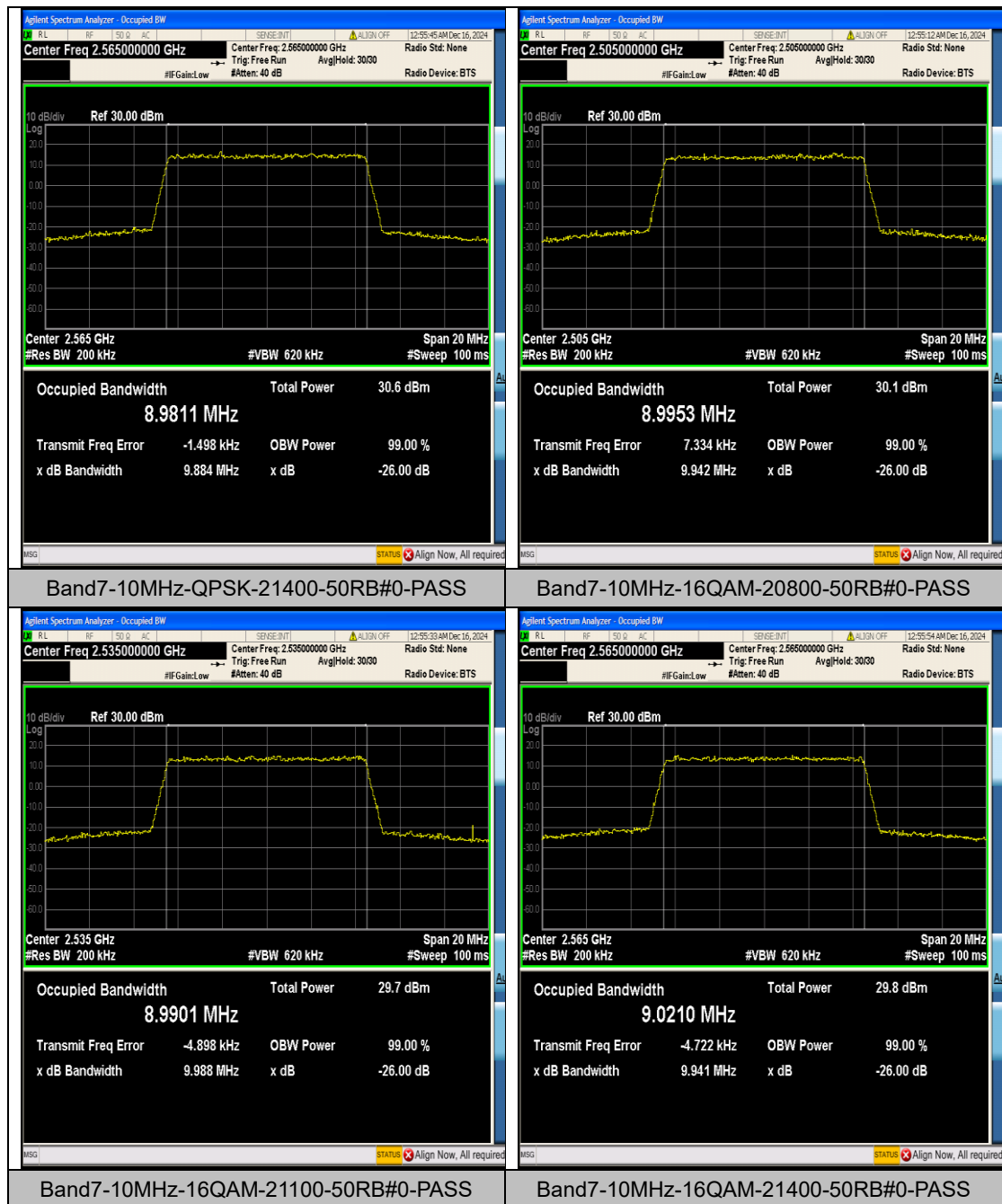
Test Result

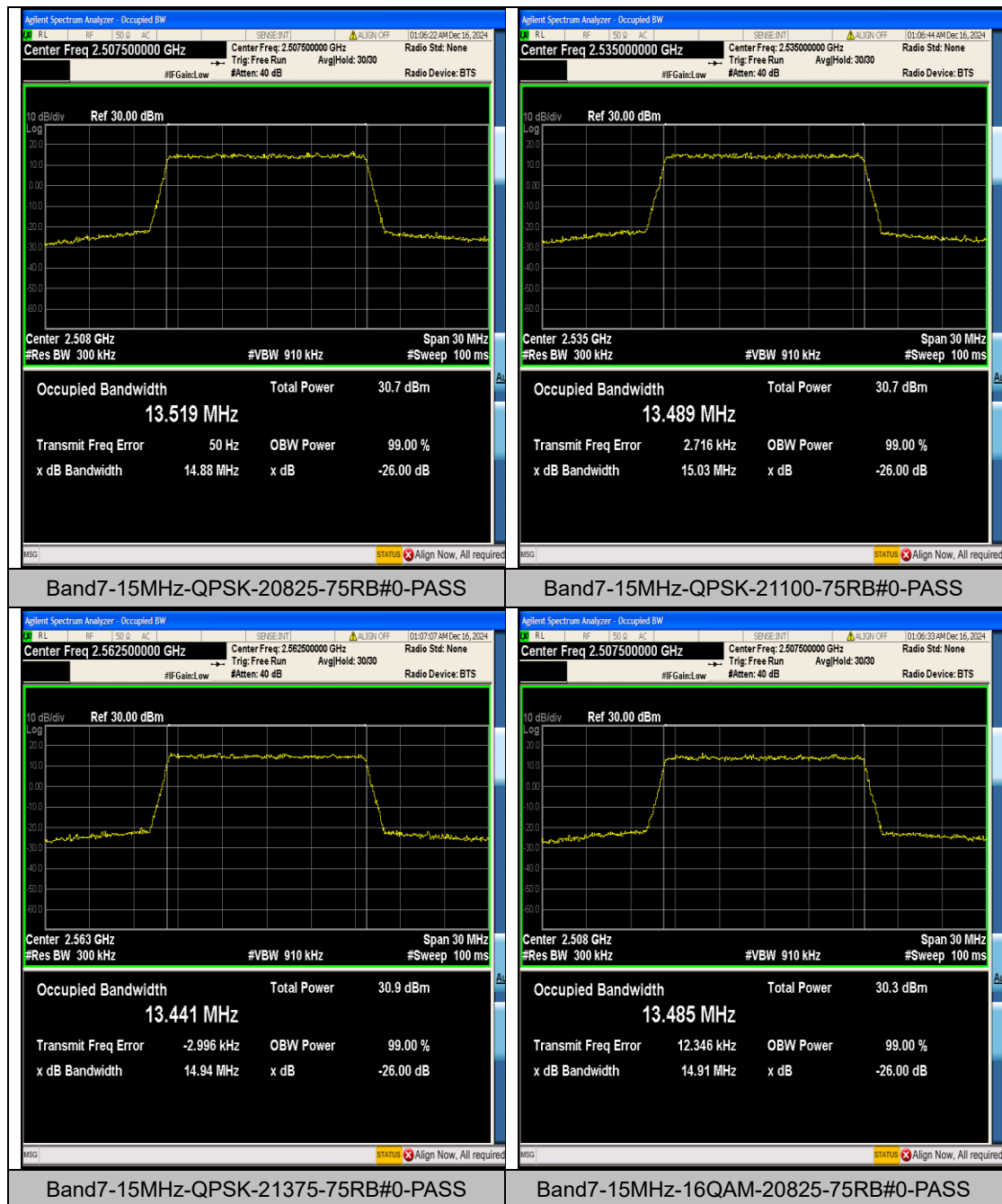
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5105	4.974	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5054	4.984	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5132	5.007	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5090	4.955	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5066	5.005	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5305	5.006	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9988	9.866	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0190	9.896	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9811	9.884	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9953	9.942	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9901	9.988	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0210	9.941	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.519	14.88	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.489	15.03	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.441	14.94	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.485	14.91	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.509	15.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.517	15.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.013	19.76	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.053	19.83	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.997	19.78	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.017	19.72	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.005	19.81	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.021	19.73	PASS

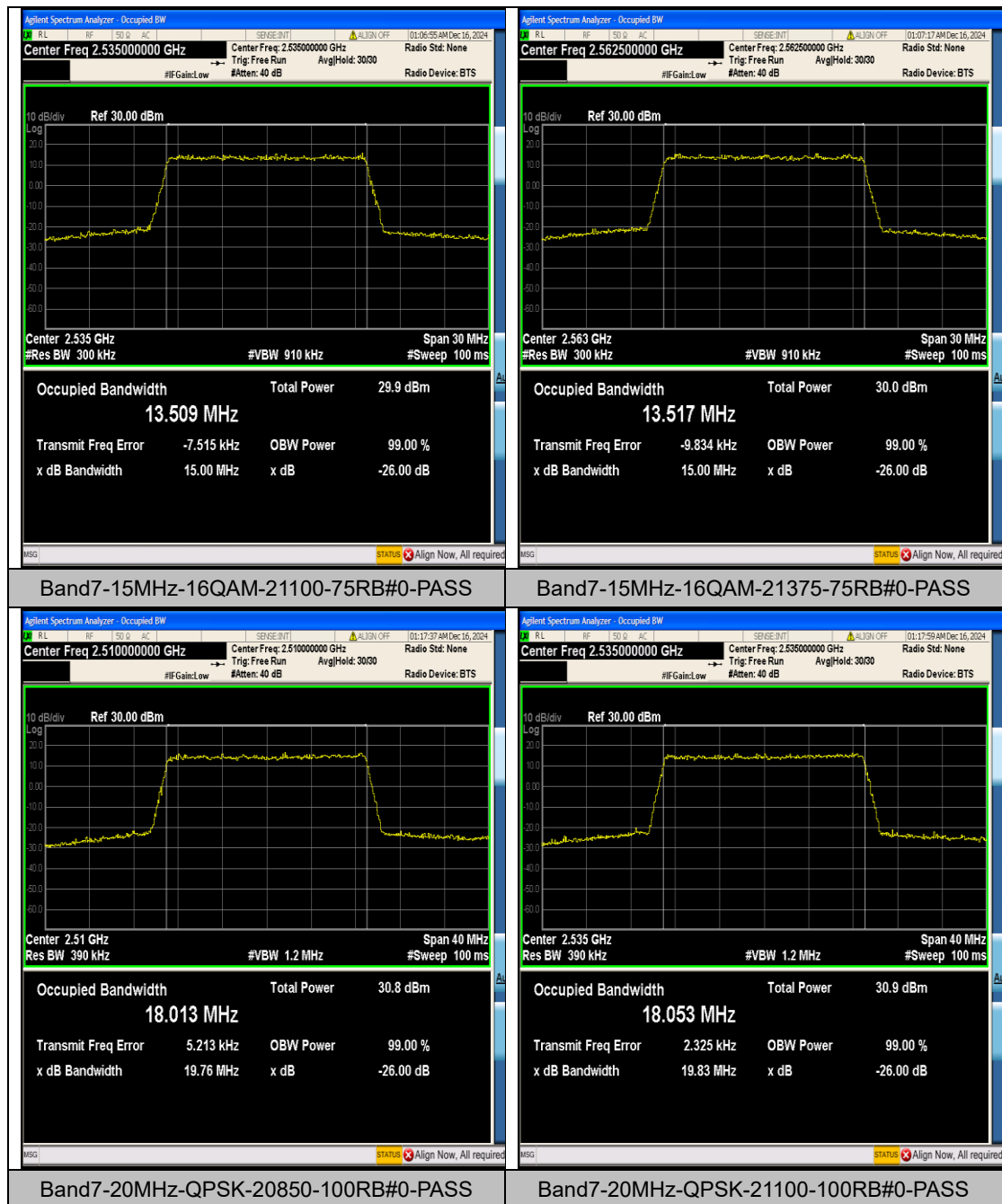
Test Graphs

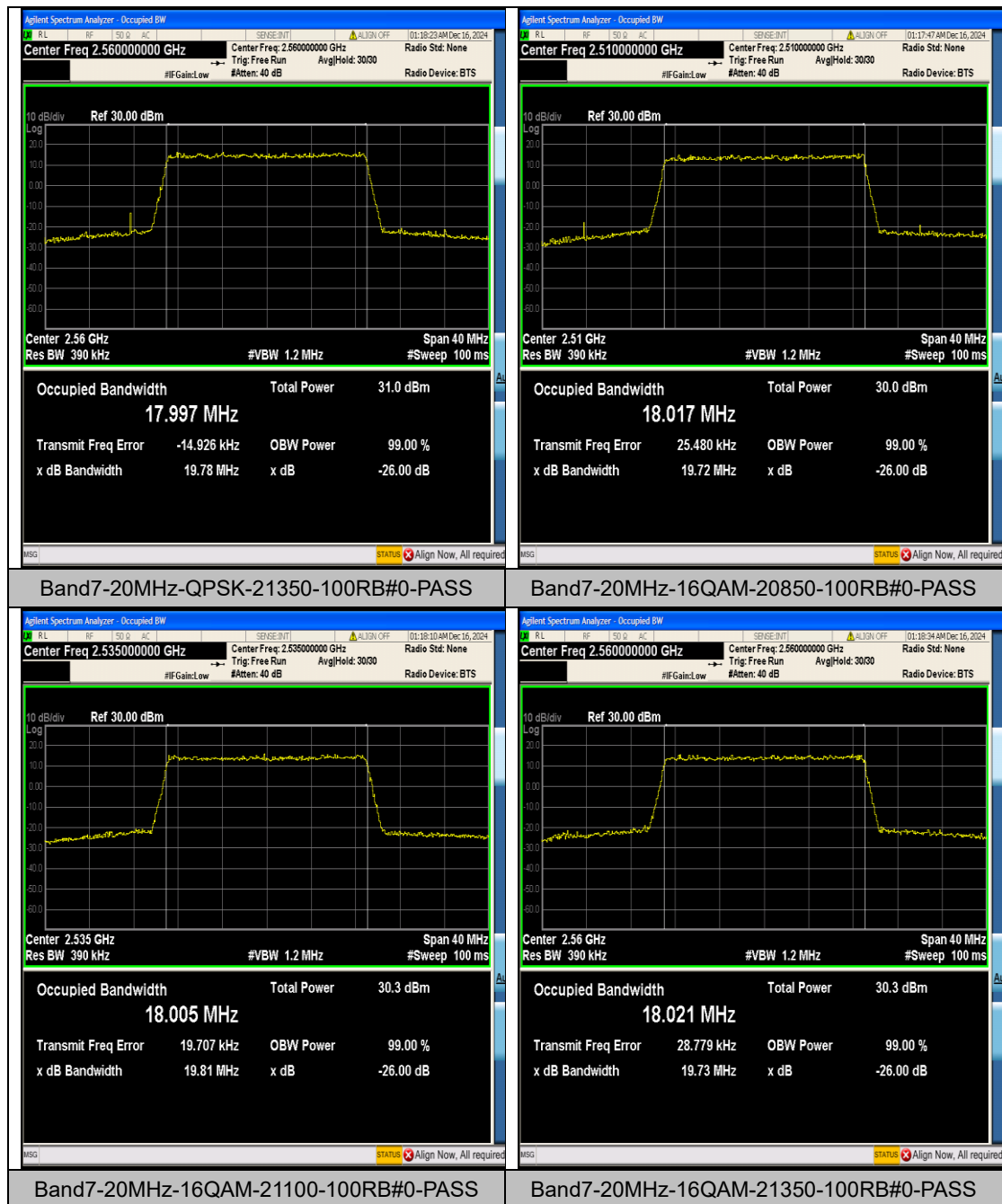










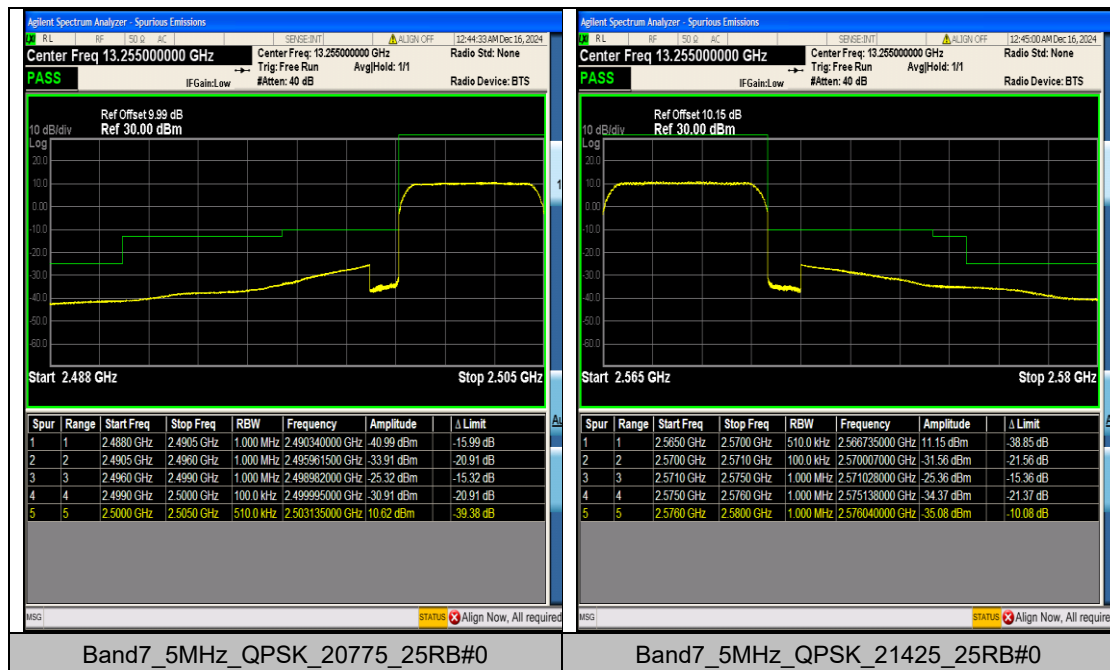


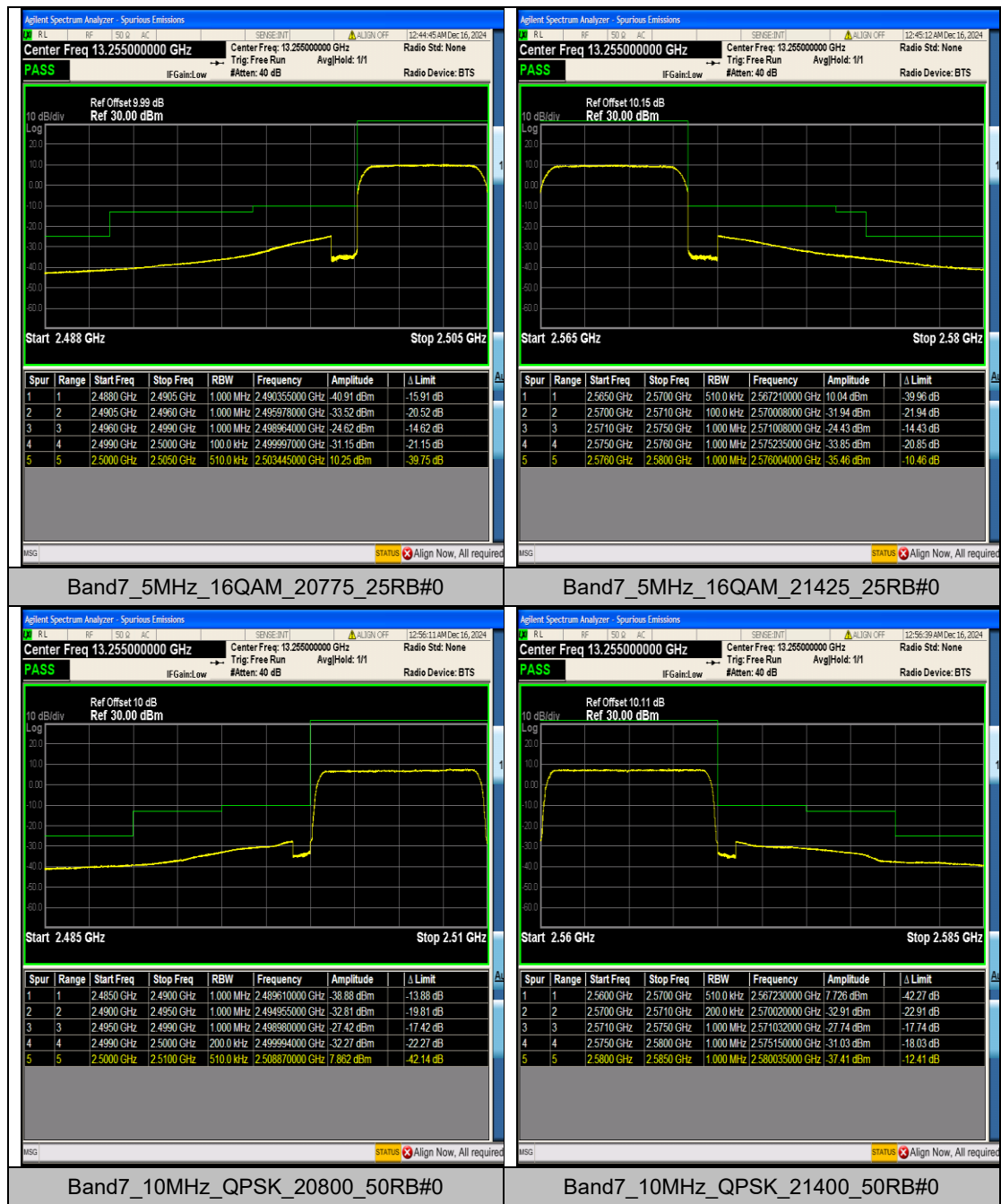
Appendix D: Band Edge

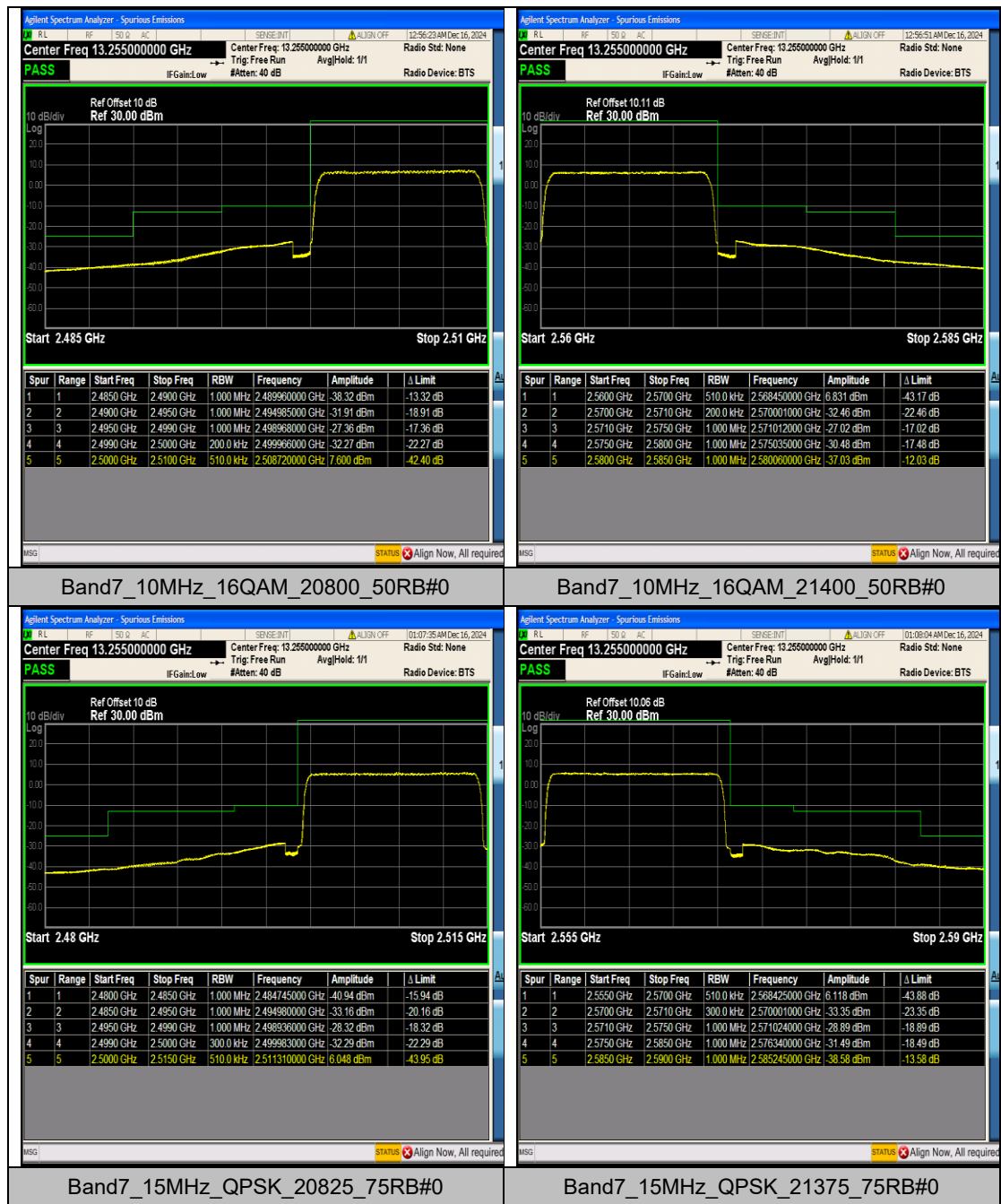
Test Result

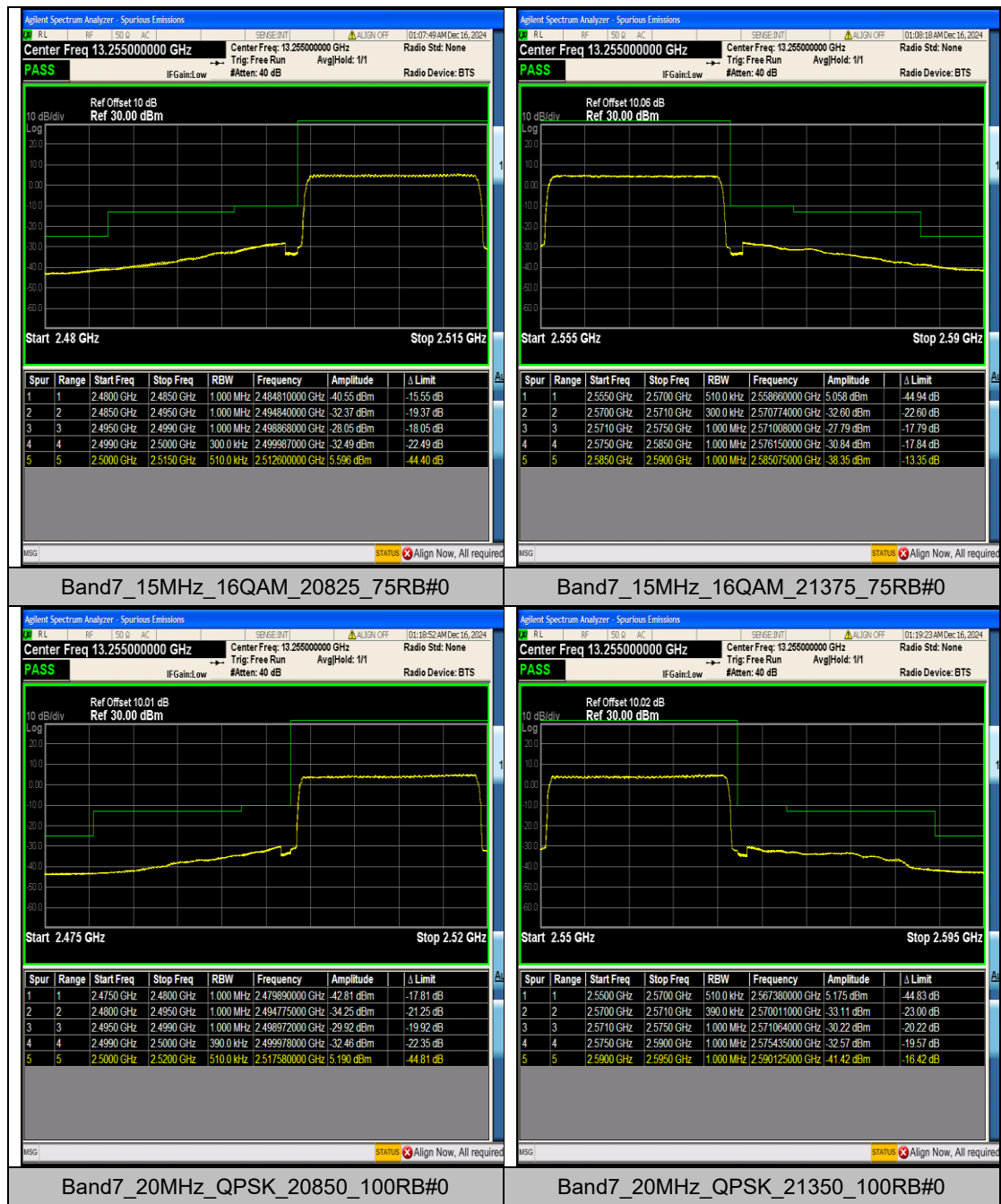
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-25.32	PASS
Band7	5MHz	QPSK	21425	25RB#0	-35.08	PASS
Band7	5MHz	16QAM	20775	25RB#0	-24.62	PASS
Band7	5MHz	16QAM	21425	25RB#0	-35.46	PASS
Band7	10MHz	QPSK	20800	50RB#0	-38.88	PASS
Band7	10MHz	QPSK	21400	50RB#0	-37.41	PASS
Band7	10MHz	16QAM	20800	50RB#0	-38.32	PASS
Band7	10MHz	16QAM	21400	50RB#0	-37.03	PASS
Band7	15MHz	QPSK	20825	75RB#0	-40.94	PASS
Band7	15MHz	QPSK	21375	75RB#0	-38.58	PASS
Band7	15MHz	16QAM	20825	75RB#0	-40.55	PASS
Band7	15MHz	16QAM	21375	75RB#0	-38.35	PASS
Band7	20MHz	QPSK	20850	100RB#0	-42.81	PASS
Band7	20MHz	QPSK	21350	100RB#0	-41.42	PASS
Band7	20MHz	16QAM	20850	100RB#0	-43.01	PASS
Band7	20MHz	16QAM	21350	100RB#0	-41.15	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	0.009~0.15	-64.42	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-62.99	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-61.75	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-35.79	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-31.73	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-65.87	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-62.22	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-62.15	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-35.09	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-32.09	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-64.79	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-61.83	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-61.85	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-36.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-32.16	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-66.13	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-62.25	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-61.99	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-38.37	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-31.72	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-70.03	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-61.99	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-61.94	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-35.28	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-31.86	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-66.76	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-64.42	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-61.67	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-37.56	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-32.18	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-67.80	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-63.34	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-61.90	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-38.13	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-32.22	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-68.30	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-61.75	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-62.15	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-37.76	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-32.17	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-67.68	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-64.11	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-61.95	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-37.99	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-32.10	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-66.45	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-64.32	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-61.87	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-38.41	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-31.99	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-65.25	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-62.93	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-61.65	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-38.74	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-31.95	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-66.01	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-63.87	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-61.92	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-38.63	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-32.16	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-64.19	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-63.52	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-61.63	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-36.62	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-32.26	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-67.79	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-60.55	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-61.75	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-38.54	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-32.17	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-65.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-64.35	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-61.82	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-38.77	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-32.19	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-63.18	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-65.09	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-61.55	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-38.08	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-31.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-66.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-64.40	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-61.48	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-38.69	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-32.01	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-65.43	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-61.57	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-61.67	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-38.10	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-32.15	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-64.39	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-63.31	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-61.88	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-38.76	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-32.26	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-66.48	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-64.05	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-61.94	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-38.69	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-31.93	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-65.47	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-63.79	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-61.98	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-38.79	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-32.21	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-63.48	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-63.86	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-61.85	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-38.88	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-32.07	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-63.95	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-64.51	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-61.93	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-38.67	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-31.96	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-65.67	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-63.90	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-61.84	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-38.69	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-31.89	PASS

Test Graphs

