

FCC LTE Band Test Data

FCC ID : **2BM3M-NB55**

Company: : **Shenzhen Tongliang Intelligent Technology Co.,Ltd**

EUT : **Handheld POS**

Model Number : **NB55**

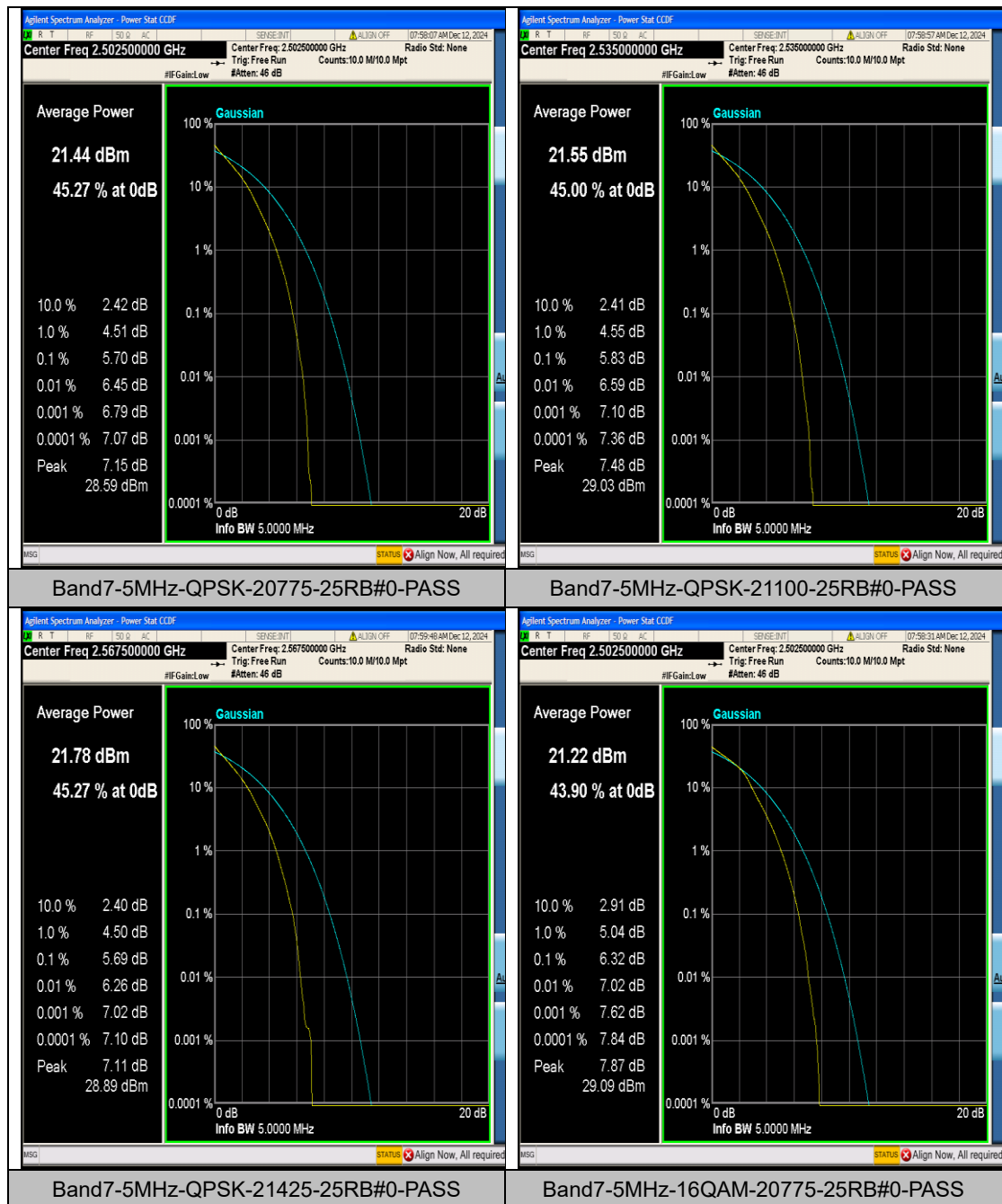
Reviewed By : **Eric Wang**

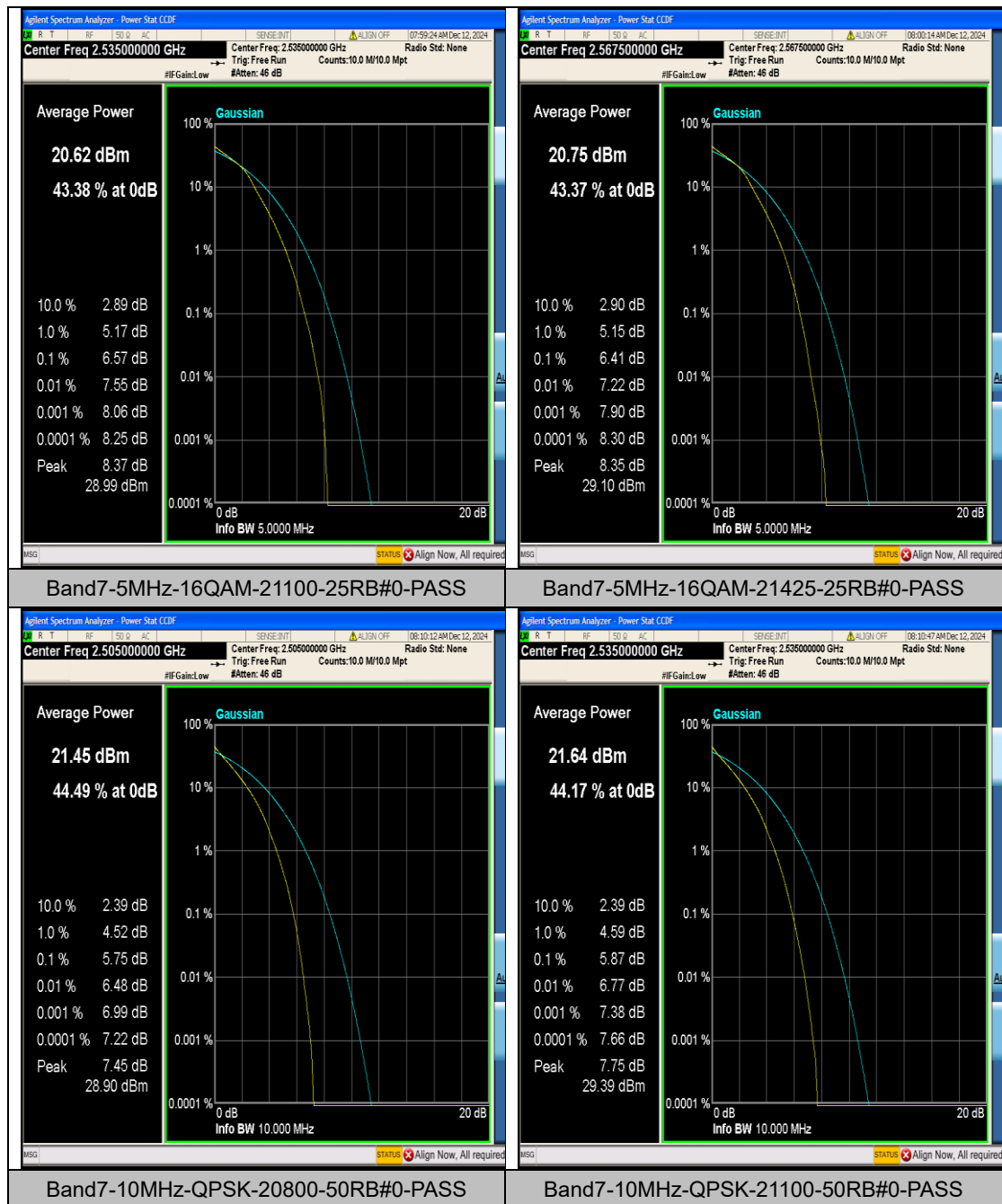
Appendix B: Peak-to-Average Ratio(CCDF)

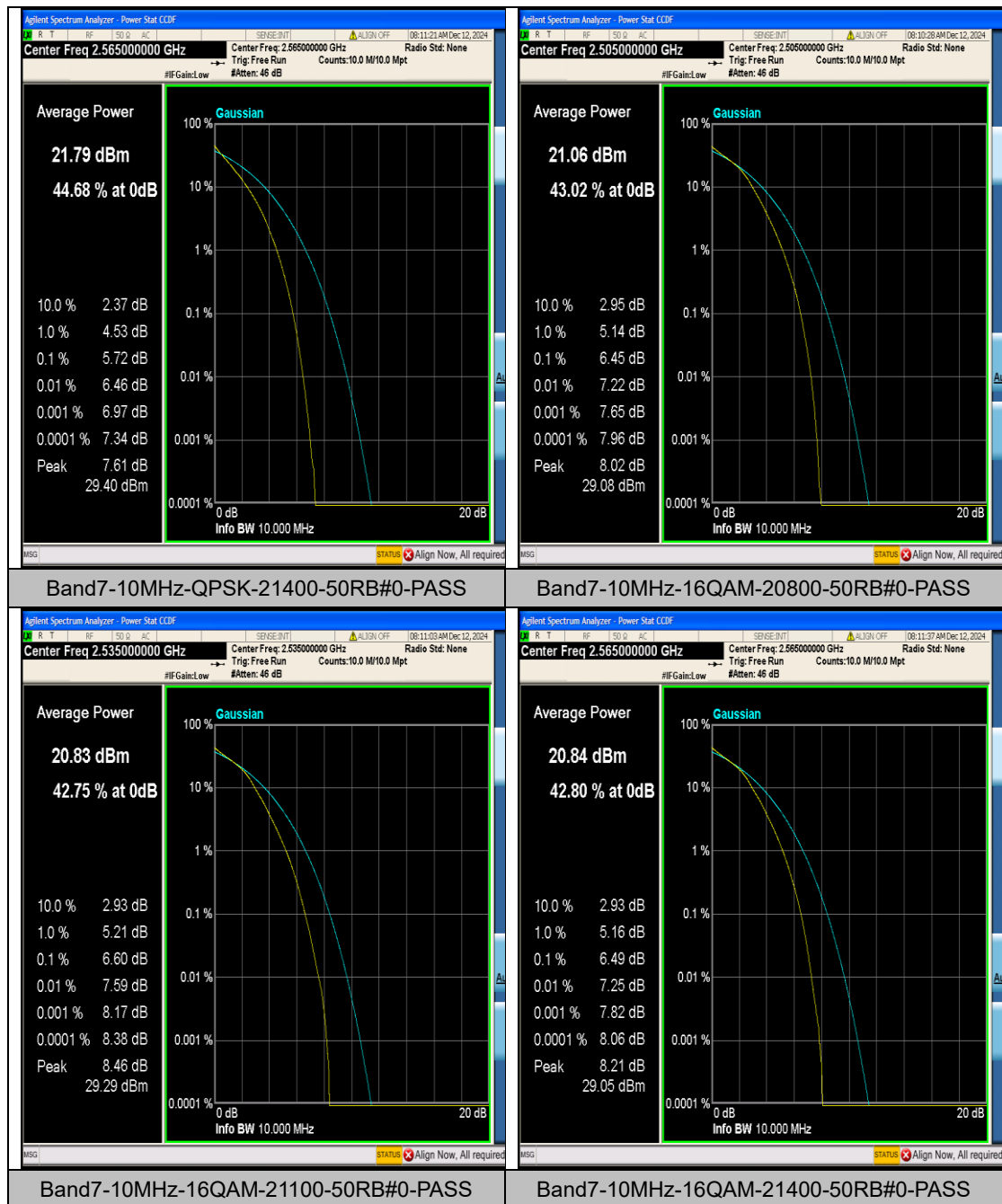
Test Result

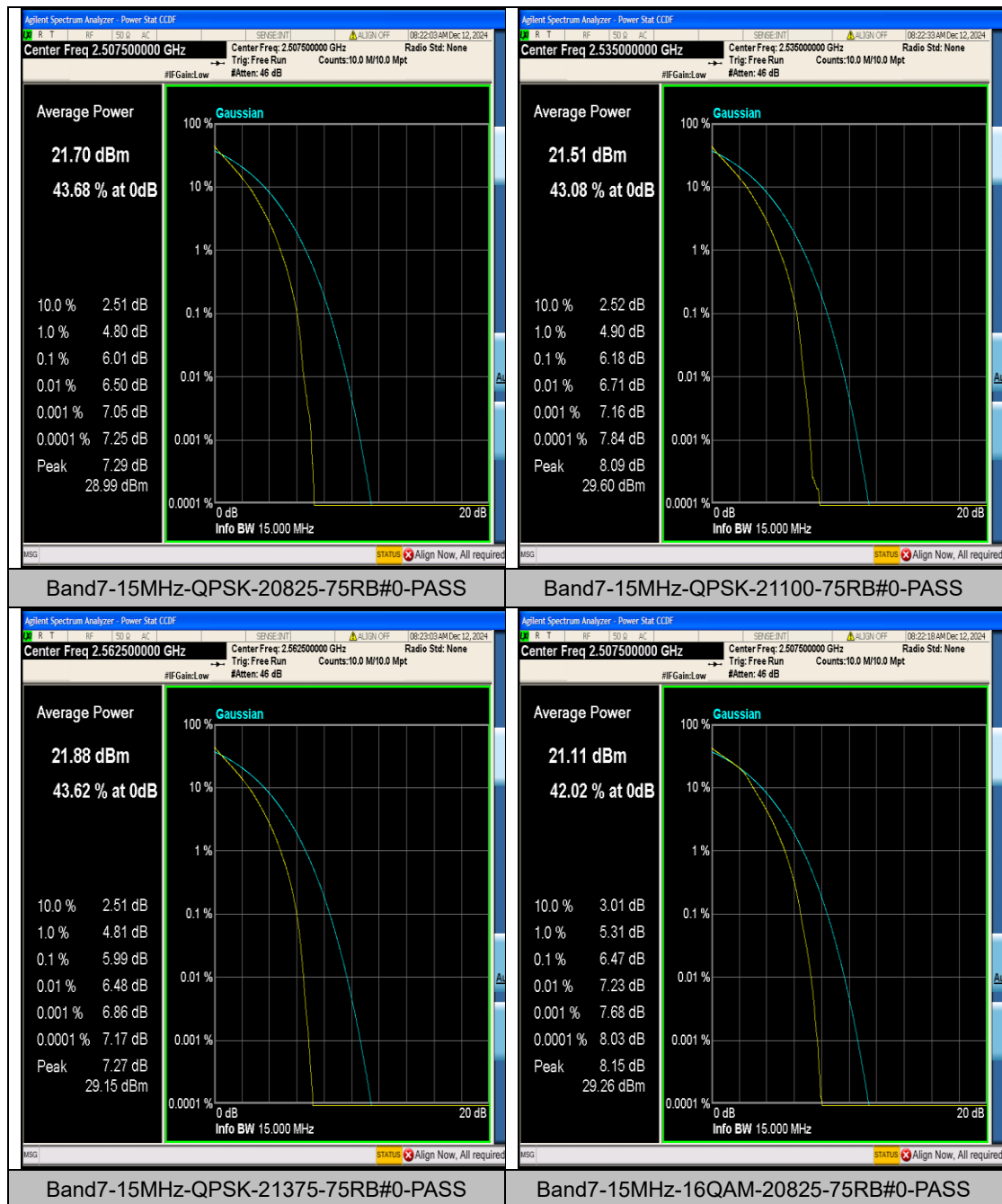
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.70	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.83	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.69	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.32	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.57	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.41	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.75	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.87	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.72	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.45	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.60	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.49	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	6.01	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	6.18	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.99	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.47	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.65	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.50	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.82	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.95	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.75	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	6.50	13	PASS

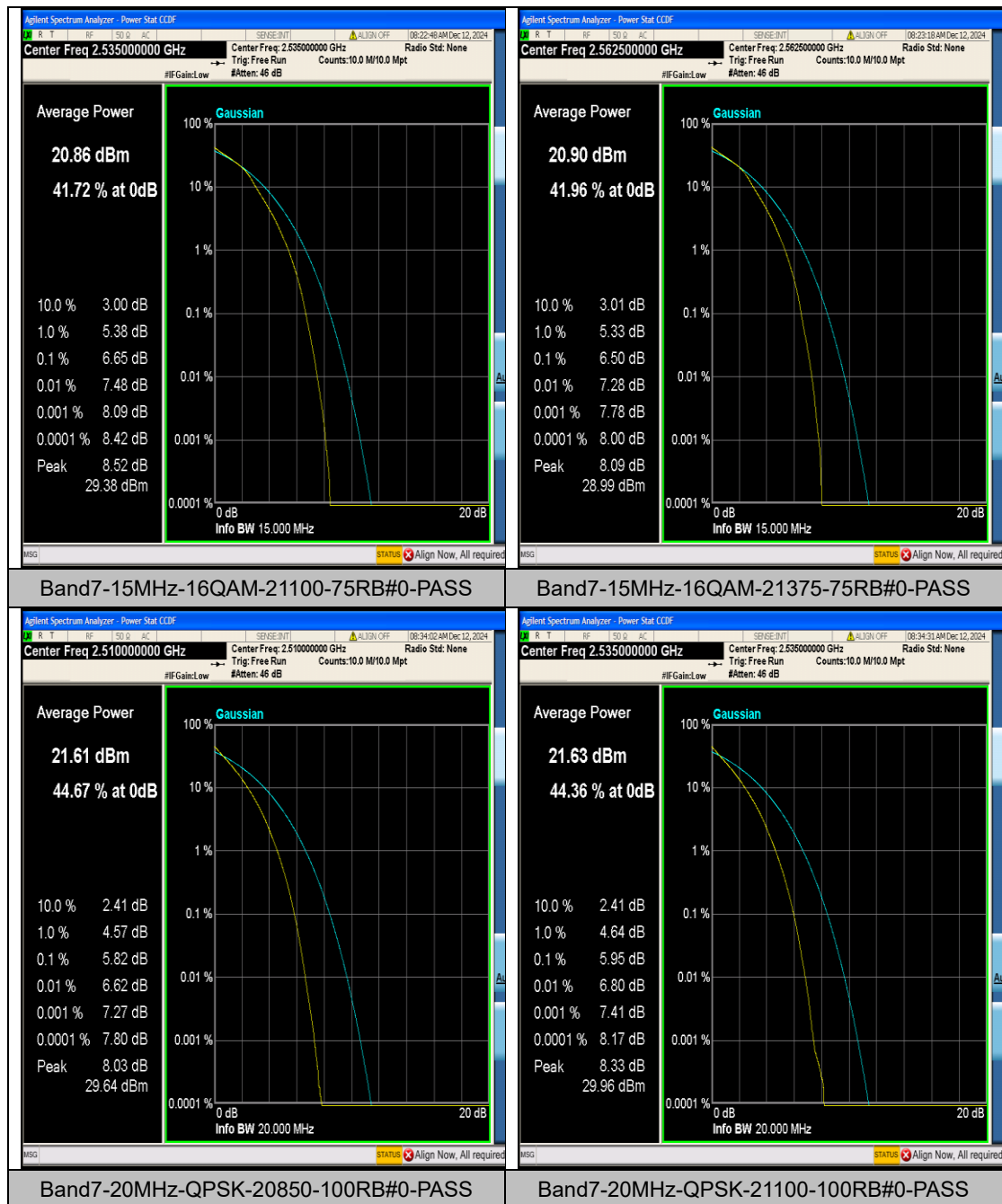
Test Graphs

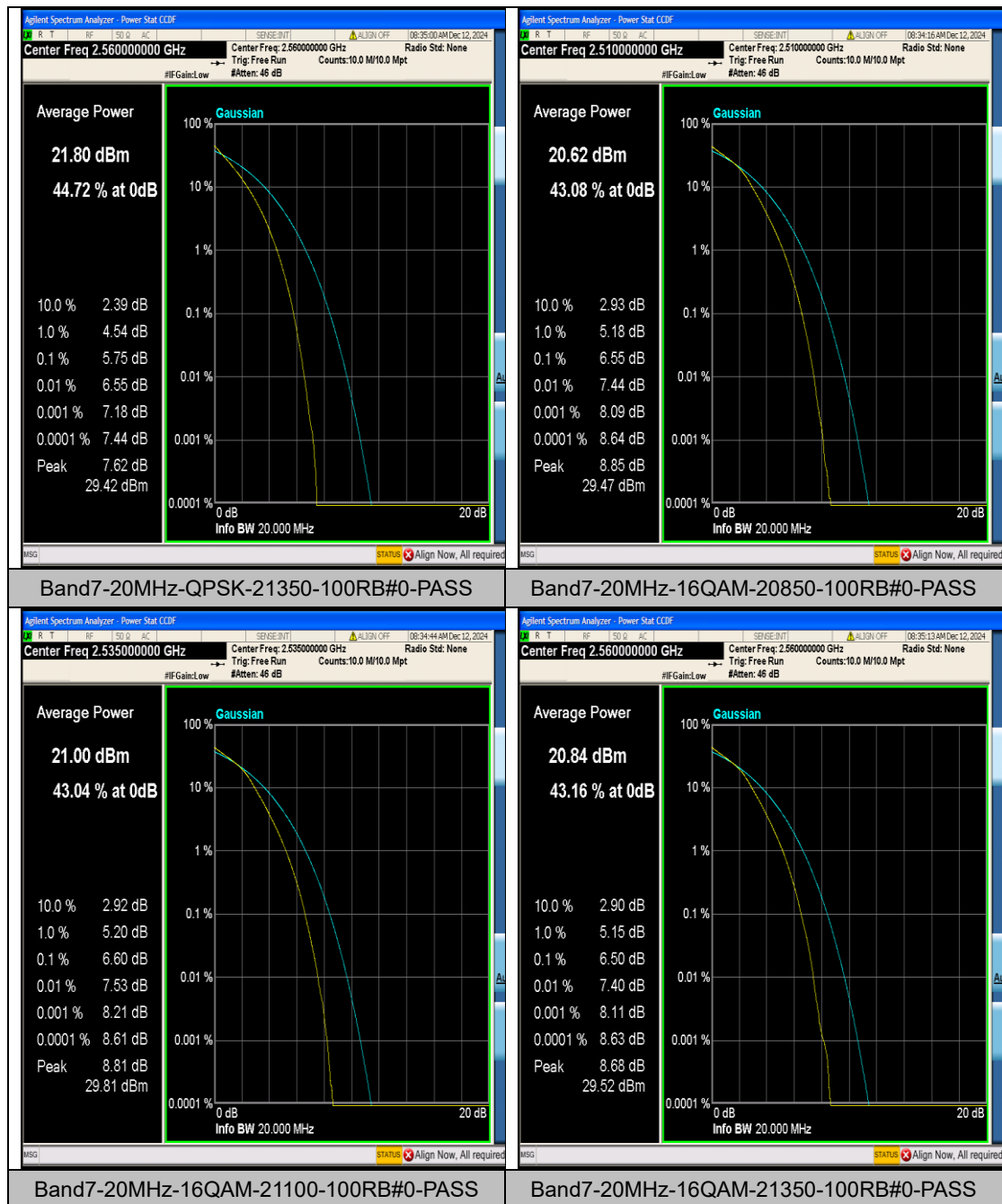










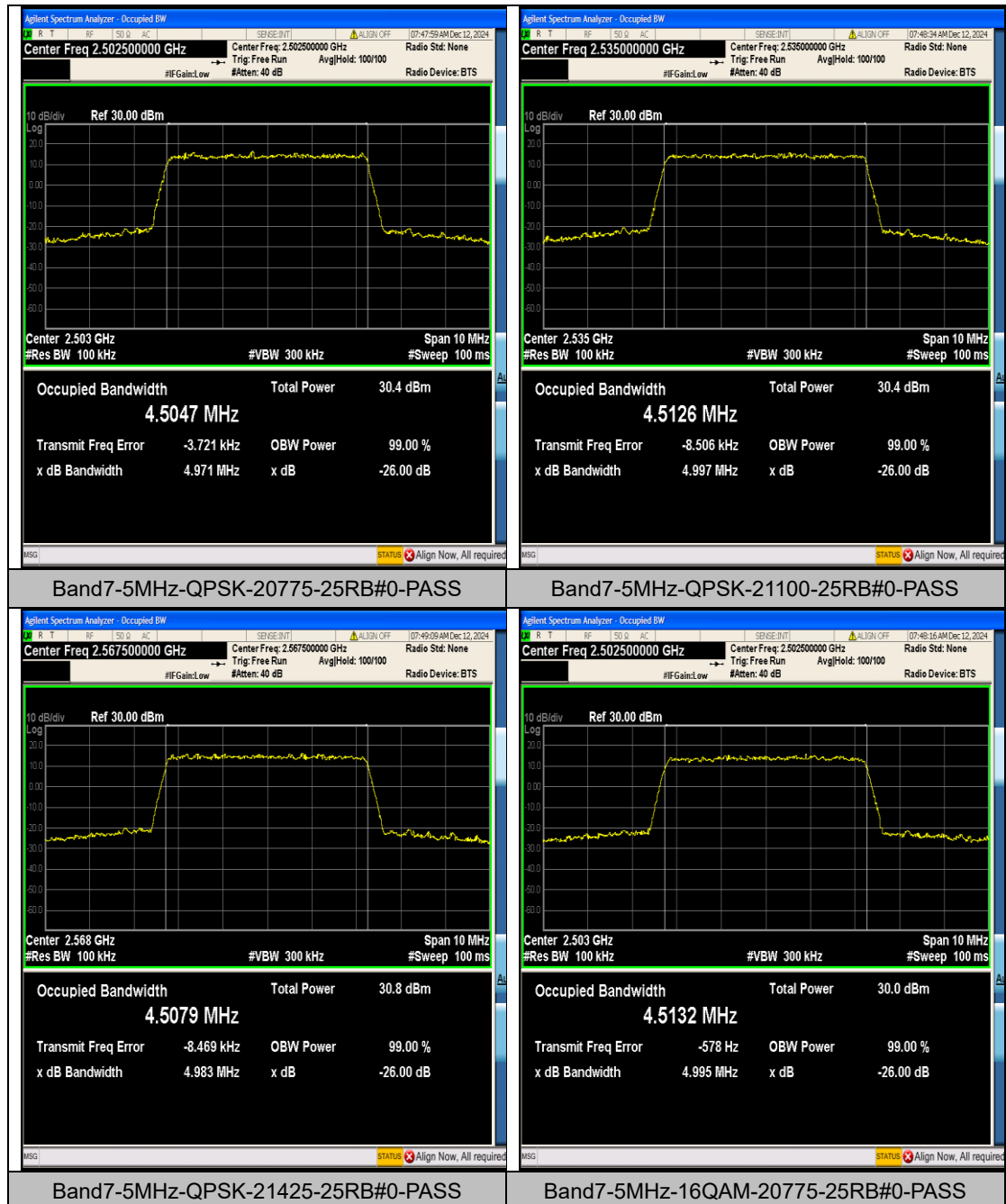


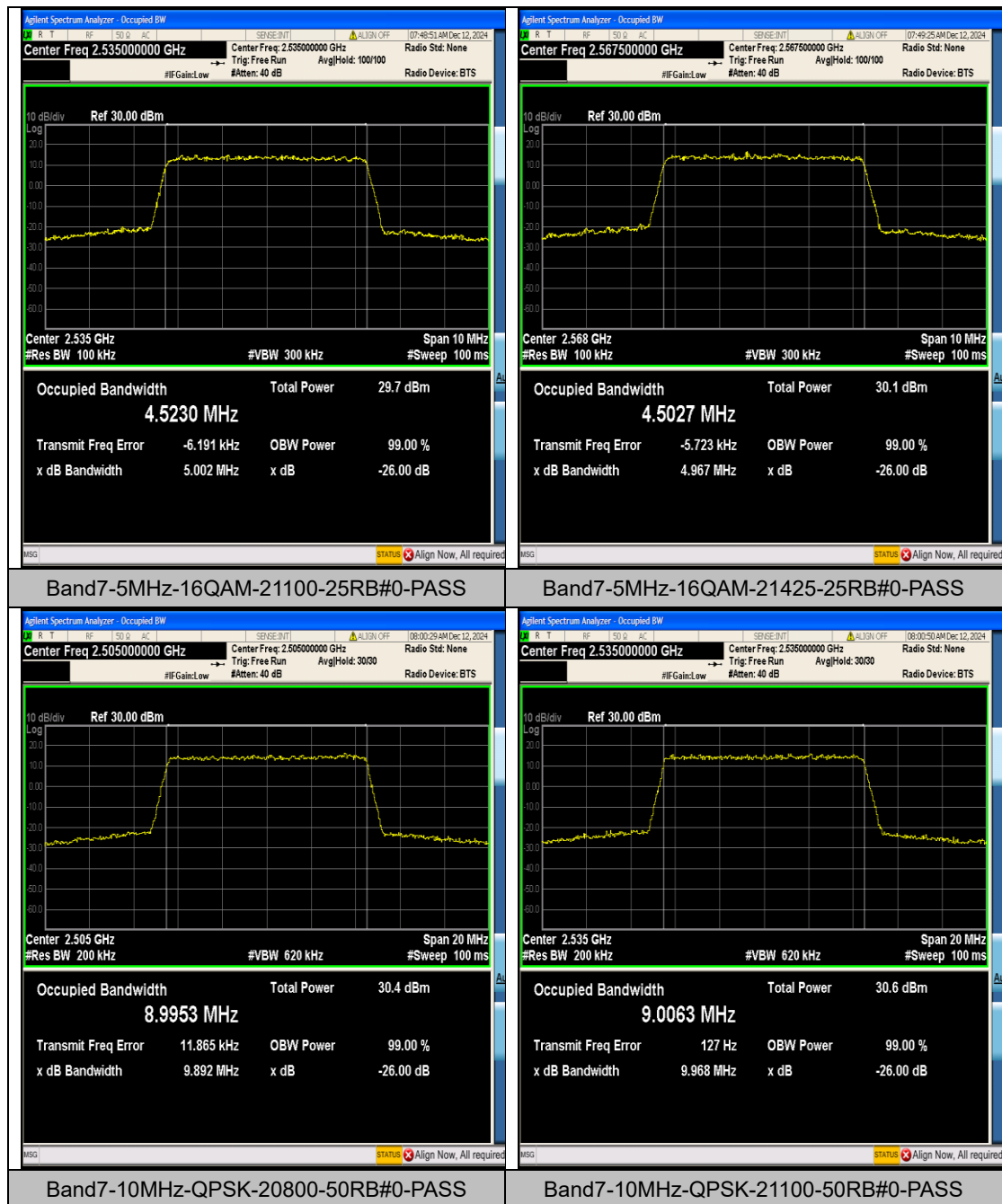
Appendix C: 26dB Bandwidth and Occupied Bandwidth

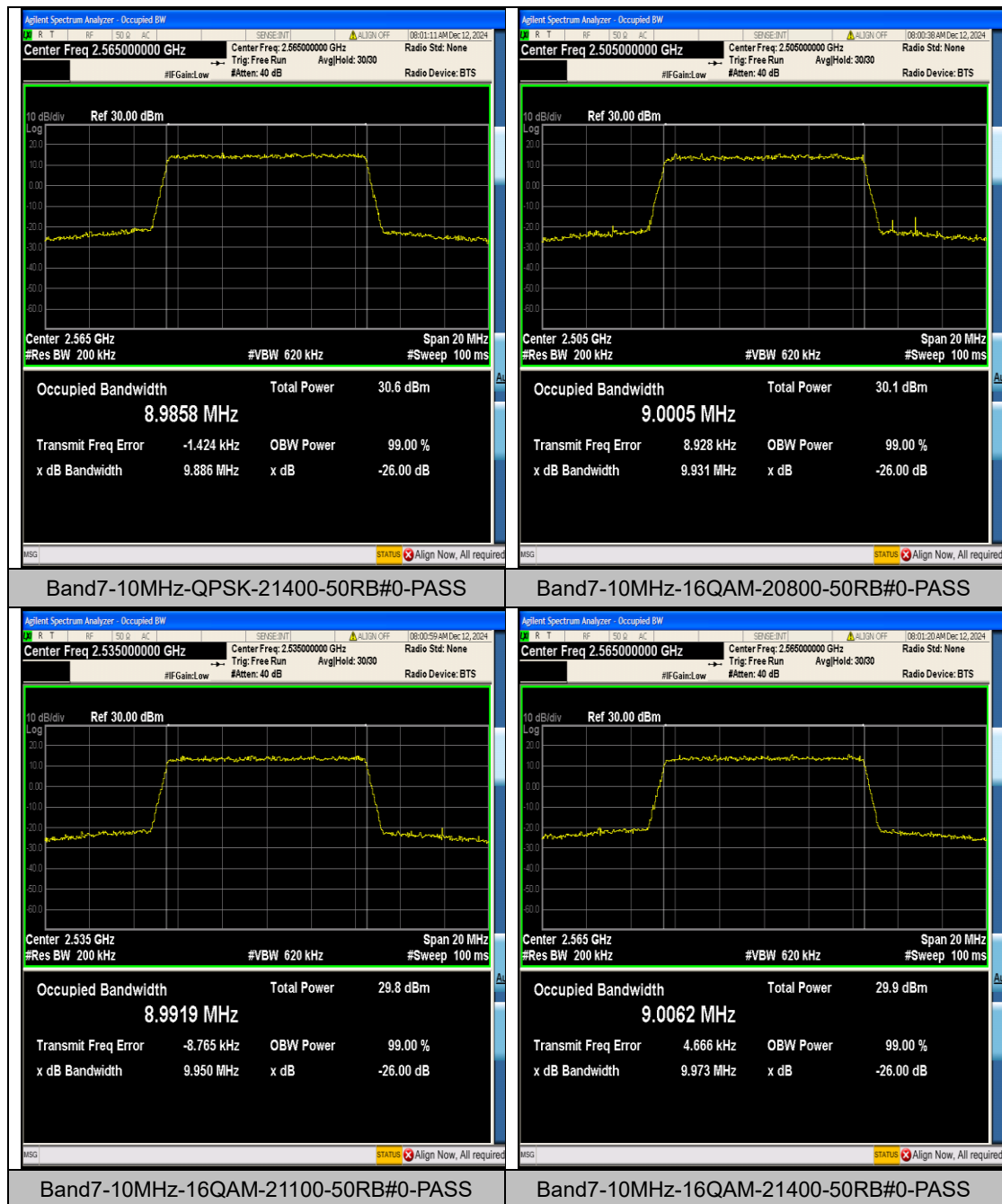
Test Result

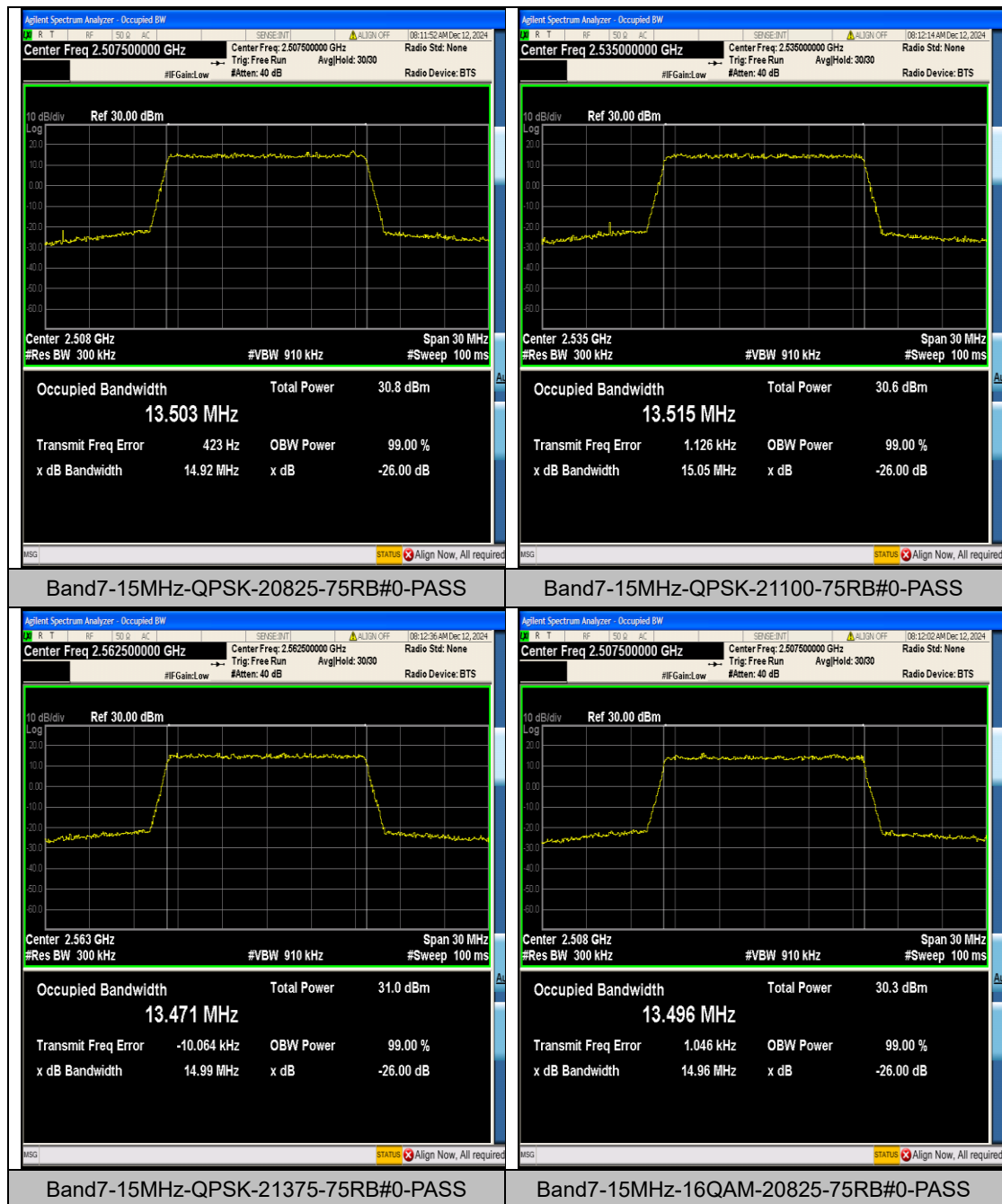
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5047	4.971	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5126	4.997	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5079	4.983	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5132	4.995	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5230	5.002	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5027	4.967	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9953	9.892	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0063	9.968	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9858	9.886	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0005	9.931	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9919	9.950	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0062	9.973	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.503	14.92	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.515	15.05	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.471	14.99	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.496	14.96	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.507	15.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.492	14.98	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.012	19.68	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.014	19.77	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.020	19.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.997	19.75	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.002	19.79	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.047	19.70	PASS

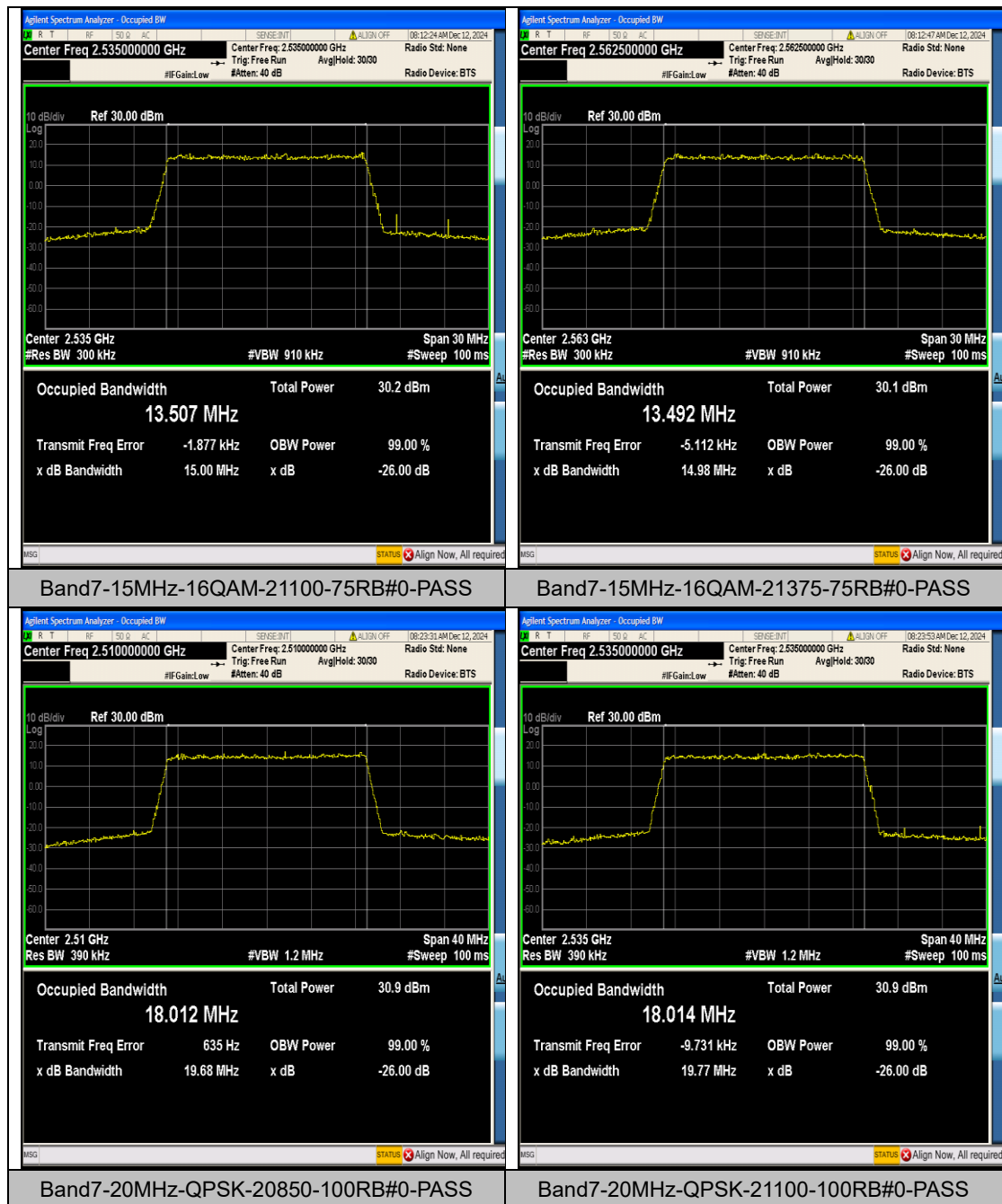
Test Graphs

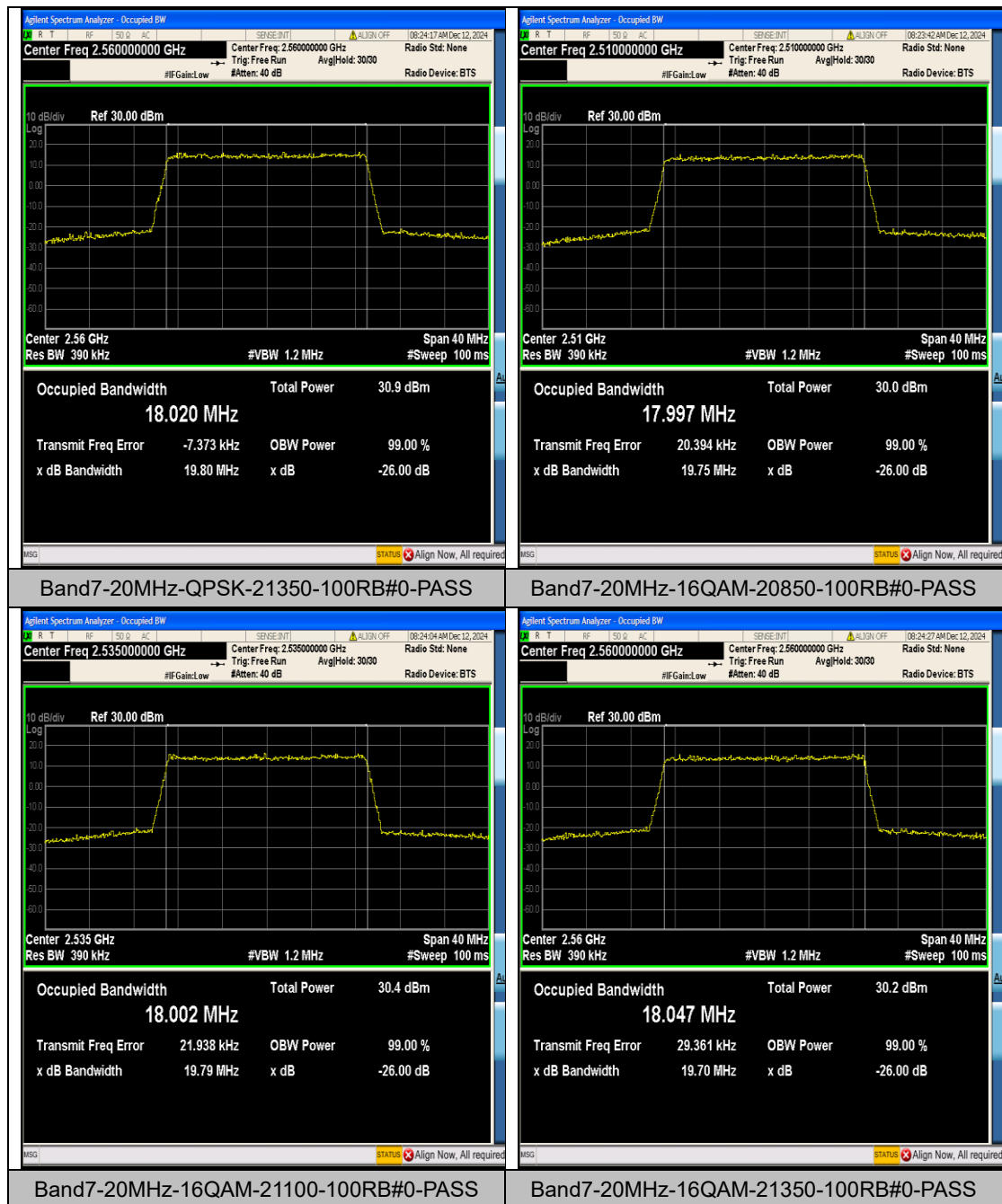










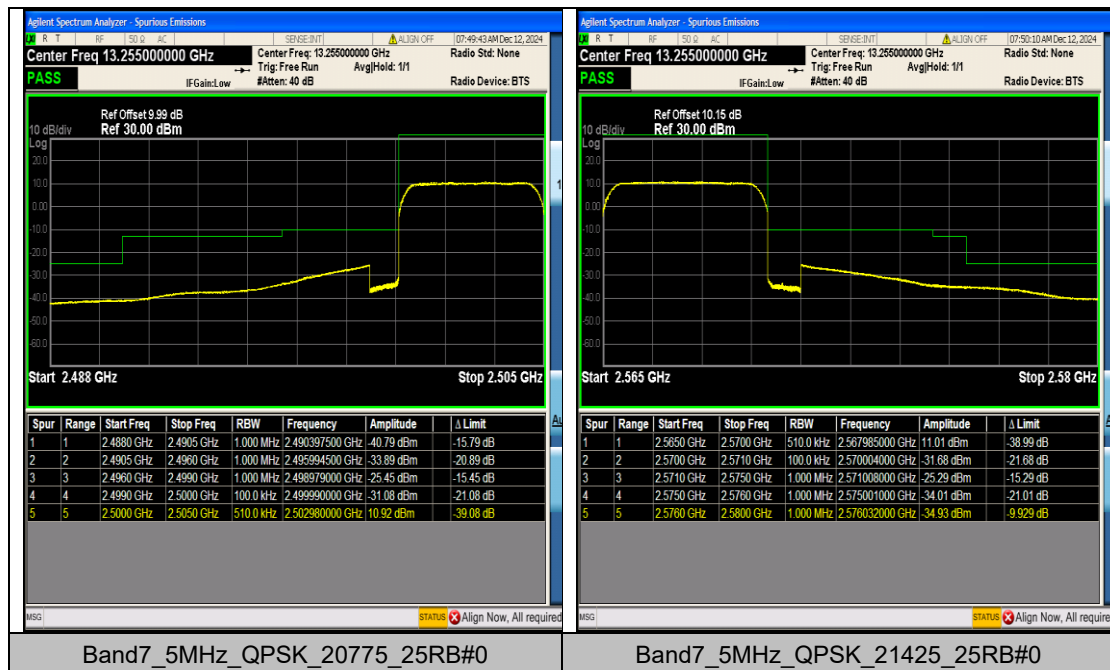


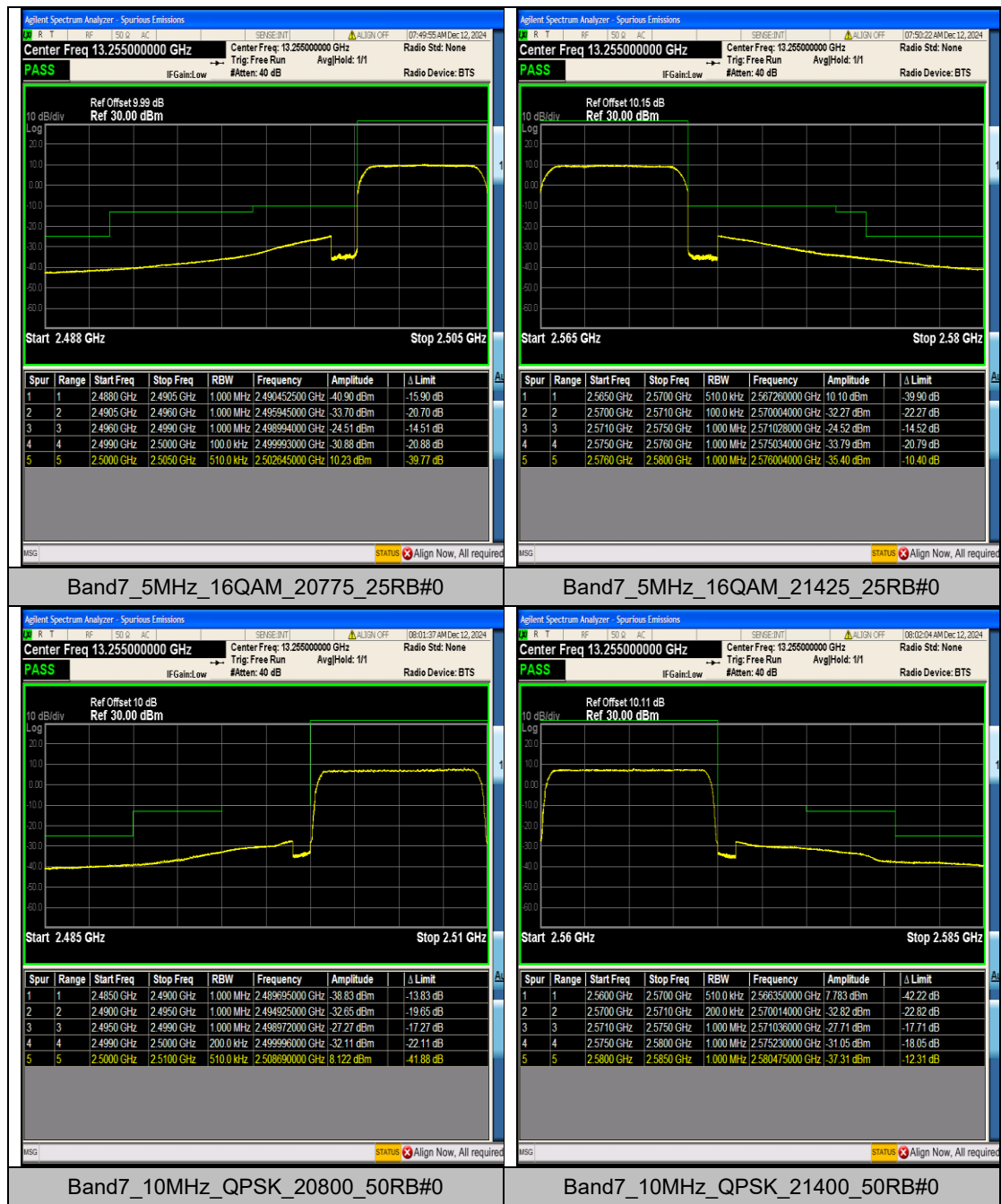
Appendix D: Band Edge

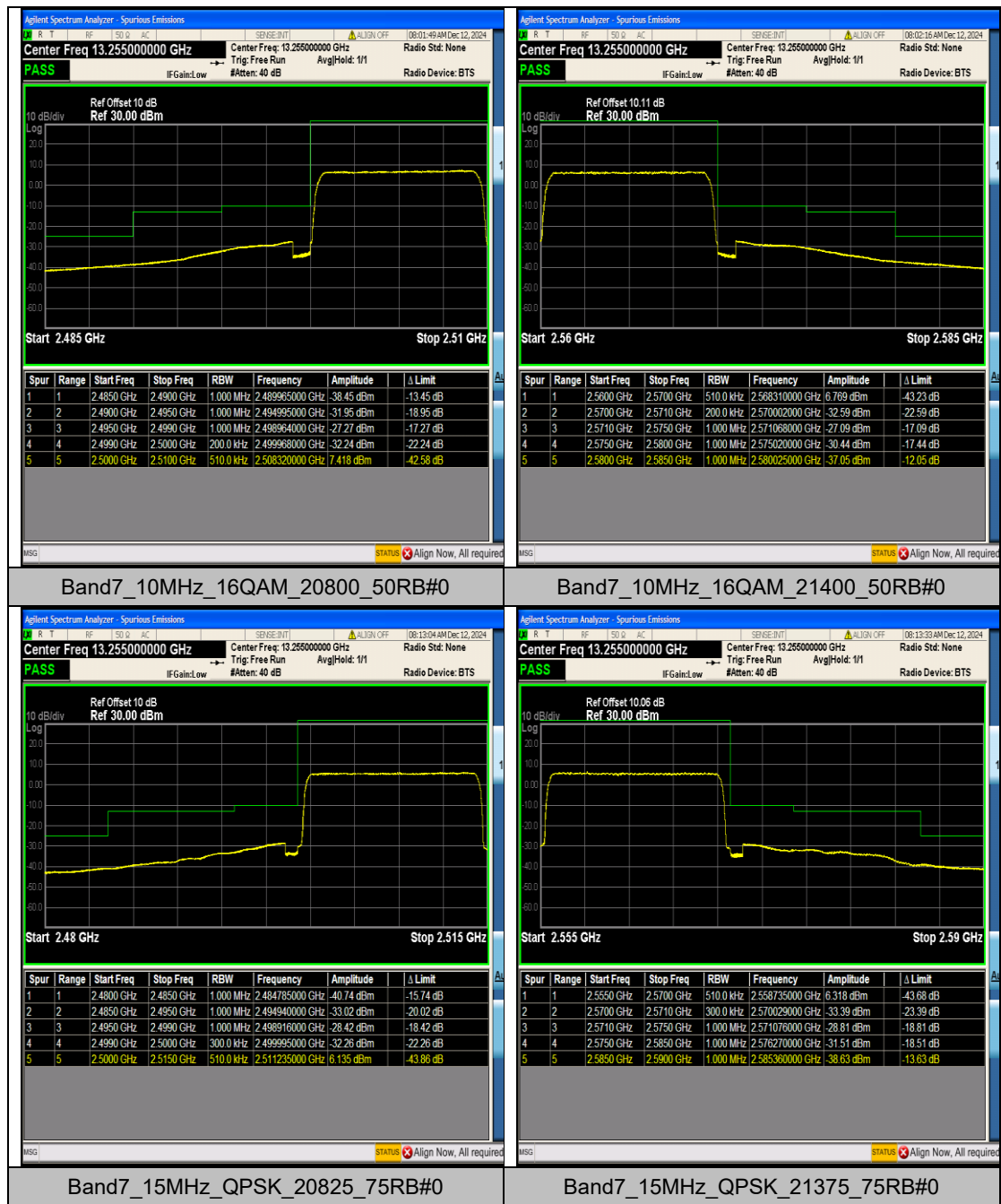
Test Result

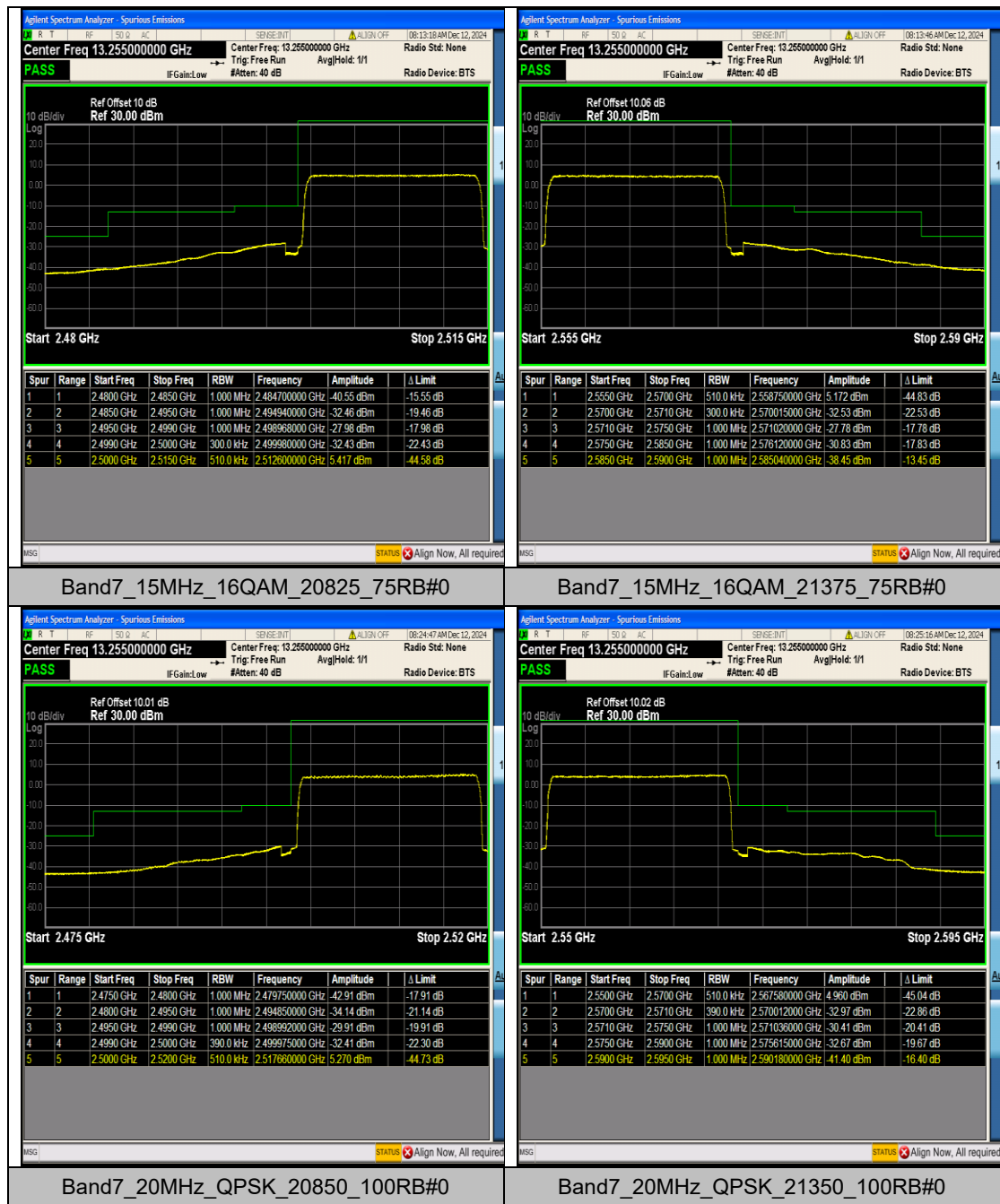
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-25.45	PASS
Band7	5MHz	QPSK	21425	25RB#0	-34.93	PASS
Band7	5MHz	16QAM	20775	25RB#0	-24.51	PASS
Band7	5MHz	16QAM	21425	25RB#0	-35.40	PASS
Band7	10MHz	QPSK	20800	50RB#0	-38.83	PASS
Band7	10MHz	QPSK	21400	50RB#0	-37.31	PASS
Band7	10MHz	16QAM	20800	50RB#0	-38.45	PASS
Band7	10MHz	16QAM	21400	50RB#0	-37.05	PASS
Band7	15MHz	QPSK	20825	75RB#0	-40.74	PASS
Band7	15MHz	QPSK	21375	75RB#0	-38.63	PASS
Band7	15MHz	16QAM	20825	75RB#0	-40.55	PASS
Band7	15MHz	16QAM	21375	75RB#0	-38.45	PASS
Band7	20MHz	QPSK	20850	100RB#0	-42.91	PASS
Band7	20MHz	QPSK	21350	100RB#0	-41.40	PASS
Band7	20MHz	16QAM	20850	100RB#0	-42.84	PASS
Band7	20MHz	16QAM	21350	100RB#0	-41.17	PASS

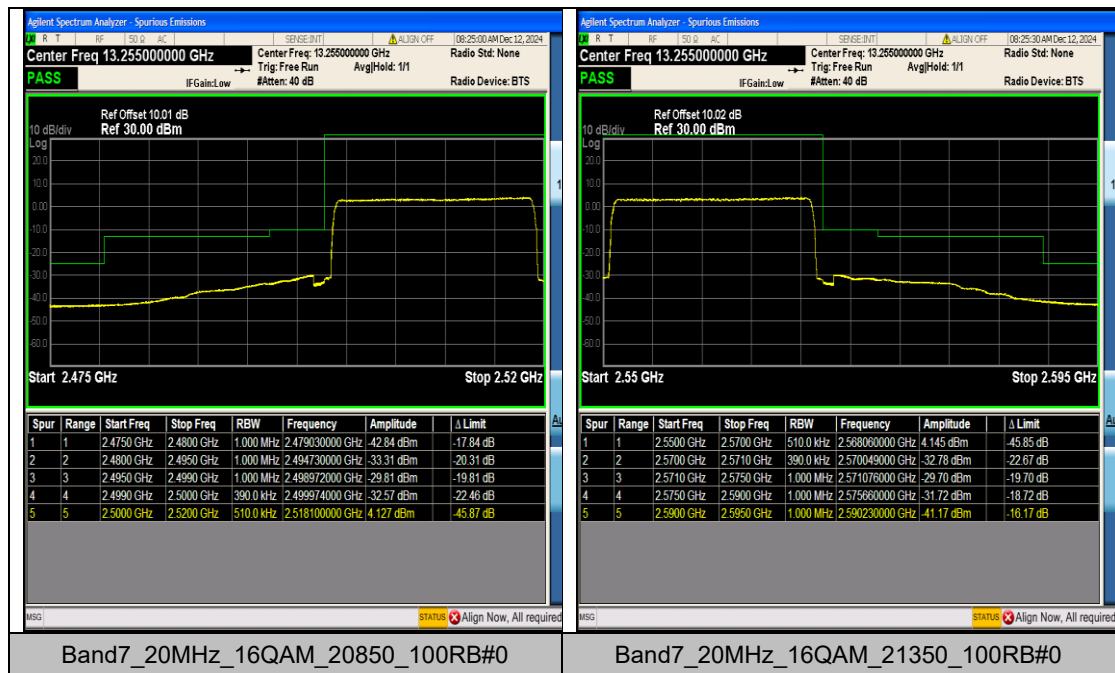
Test Graphs











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	-65.19	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-60.44	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-61.72	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-36.81	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-31.48	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-65.46	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-57.31	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-61.53	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-34.89	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-31.31	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-63.45	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-57.83	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-61.54	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-33.67	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-31.78	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-66.26	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-59.05	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-61.64	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-37.83	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-31.67	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-62.11	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-57.80	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-61.64	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-34.85	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-31.51	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-65.67	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-58.16	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-61.44	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-36.91	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-31.74	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-63.42	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-60.57	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-61.55	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-37.15	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-31.60	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-63.59	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-60.53	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-61.51	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-38.15	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-31.65	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-66.90	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-58.80	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-61.60	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-38.20	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-31.65	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-67.06	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-60.95	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-61.83	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-37.72	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-31.53	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-66.11	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-58.45	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-61.54	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-38.24	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-31.65	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-65.68	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-60.02	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-61.77	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-37.90	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-31.66	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-64.39	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-59.10	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-61.65	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-37.74	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-31.32	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-67.95	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-59.88	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-61.85	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-37.71	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-31.49	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-64.72	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-58.06	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-61.66	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-36.54	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-31.89	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-66.74	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-58.11	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-61.35	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-38.34	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-31.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-68.12	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-58.88	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-61.79	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-38.12	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-31.88	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-64.69	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-58.33	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-61.52	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-38.26	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-31.27	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-67.01	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-59.42	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-61.46	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-38.15	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-31.89	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-67.34	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-59.31	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-61.78	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-37.86	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-31.58	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-65.61	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-58.69	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-61.60	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-38.15	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-31.66	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-65.53	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-60.42	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-61.62	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-38.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-31.64	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-65.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-60.09	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-61.57	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-38.47	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-31.68	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-67.58	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-59.22	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-61.63	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-38.28	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-31.65	PASS

Test Graphs

