

FCC Appendix RF Test Data for LTE Band 7

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000204

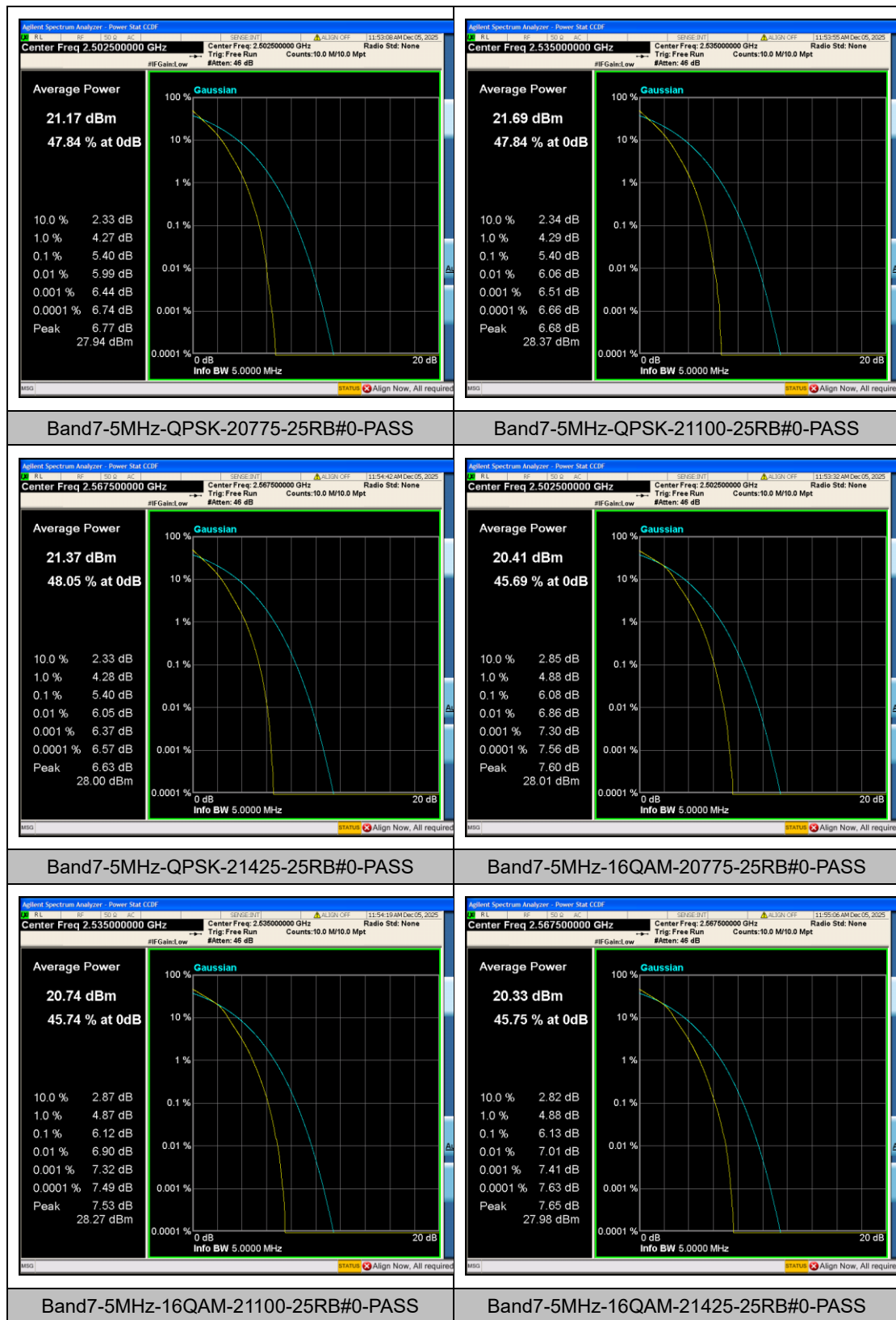
Reviewed By : Eric Wang

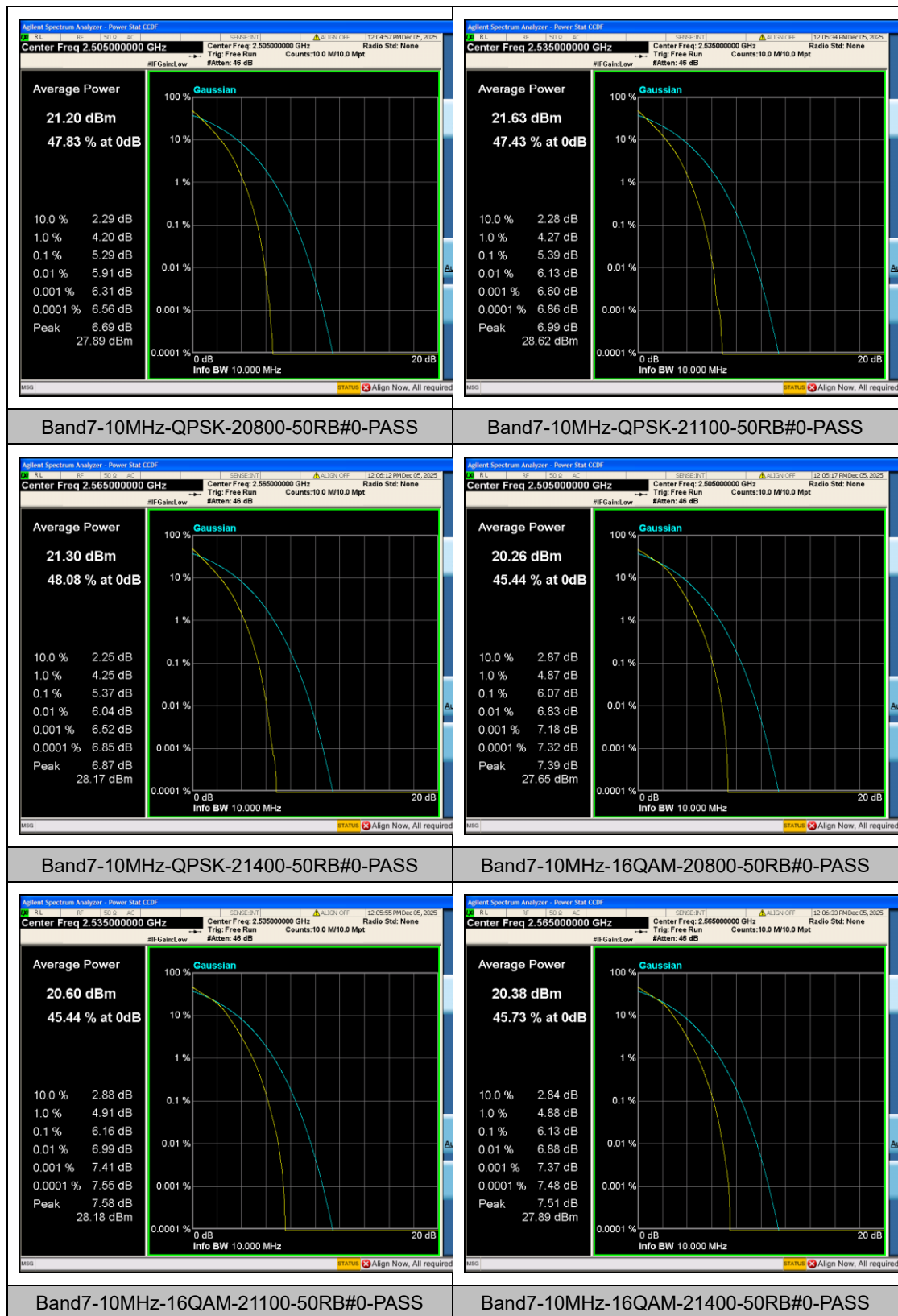
Appendix B: Peak-to-Average Ratio(CCDF)

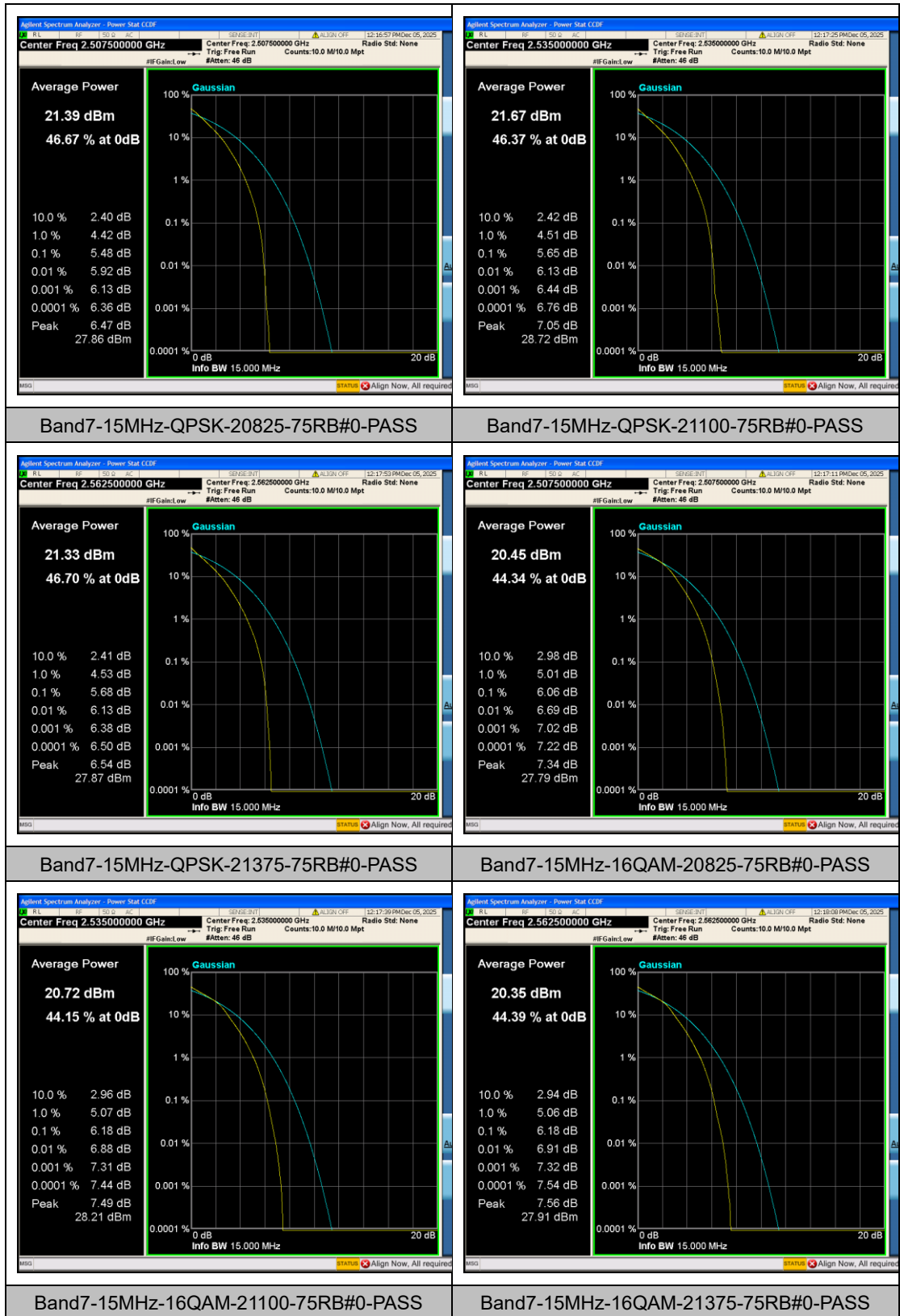
Test Result

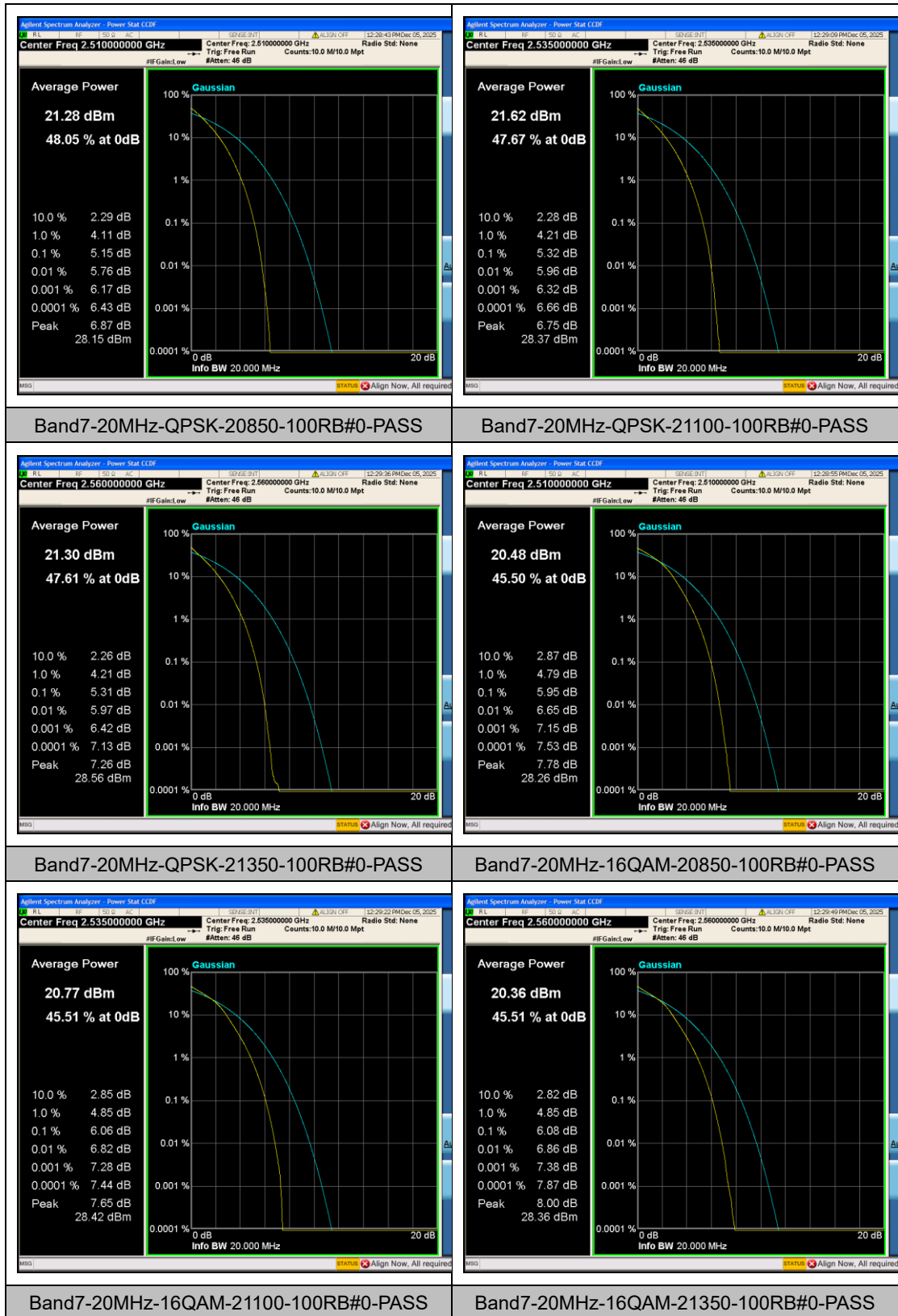
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.40	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.40	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.40	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.08	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.12	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.13	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.29	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.39	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.37	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.07	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.16	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.13	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.48	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.65	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.68	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.06	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.18	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.18	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.15	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.32	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.31	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.95	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.08	13	PASS

Test Graphs







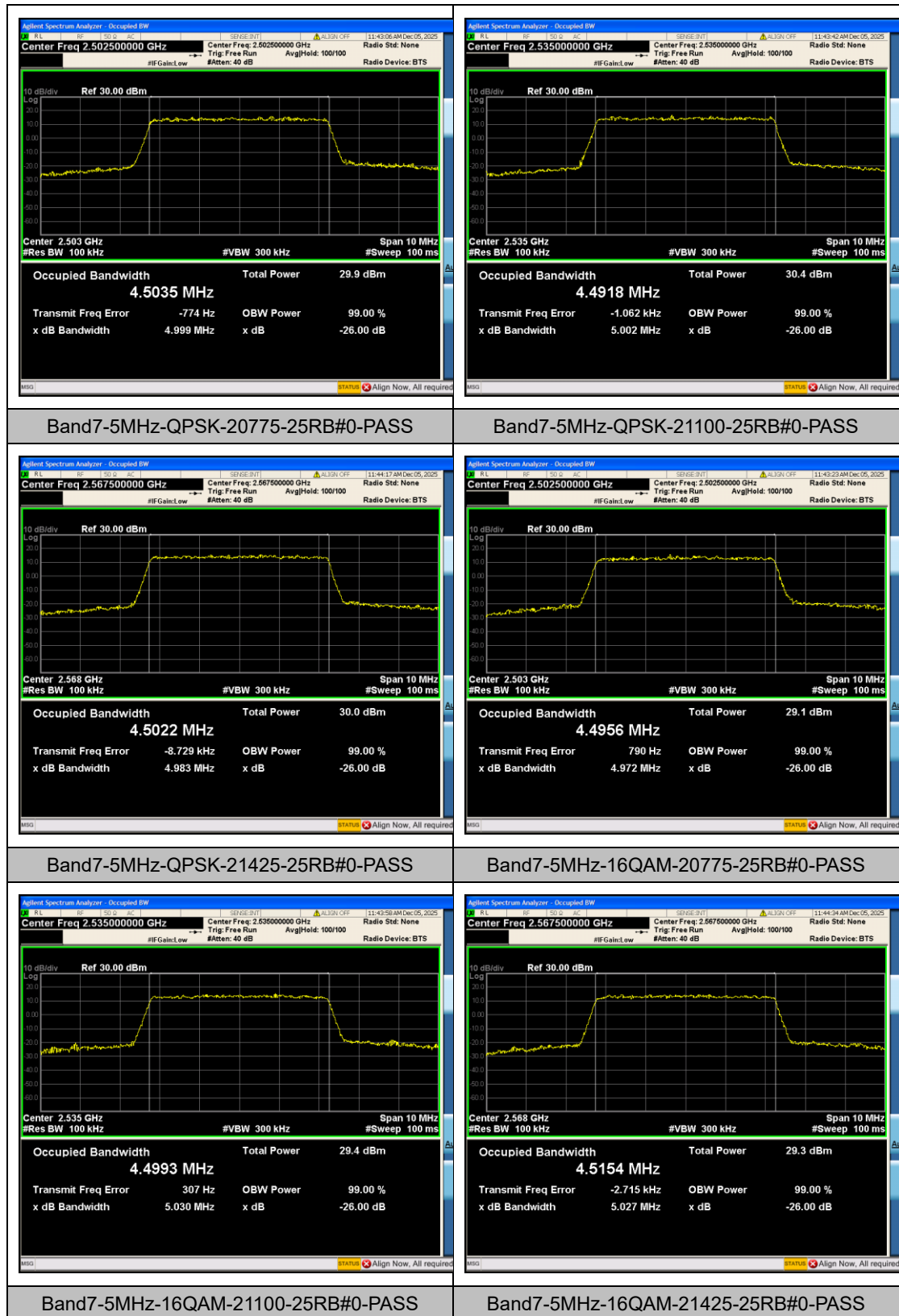


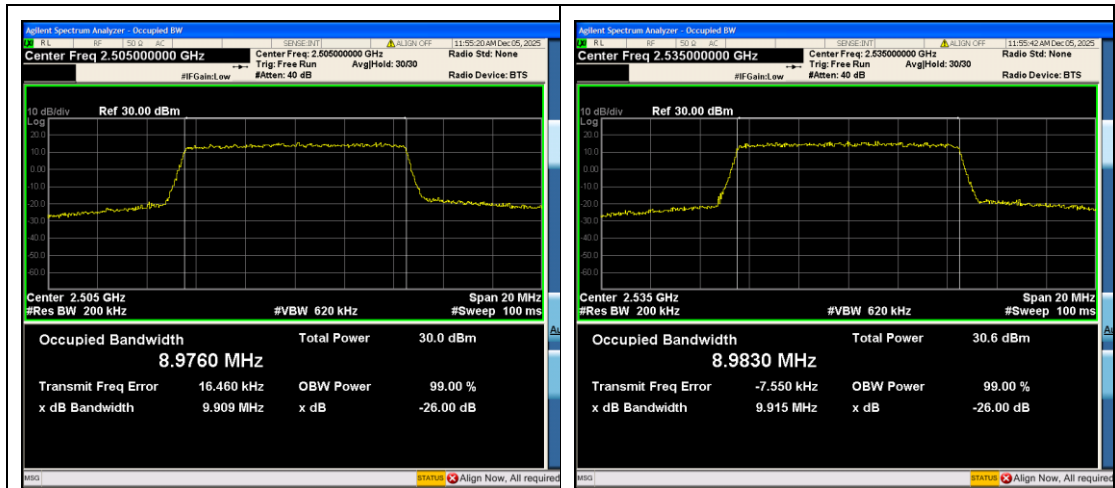
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5035	4.999	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4918	5.002	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5022	4.983	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4956	4.972	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4993	5.030	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5154	5.027	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9760	9.909	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9830	9.915	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9641	9.907	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9660	9.853	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9599	9.873	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9764	9.857	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.456	14.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.410	14.82	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.416	14.71	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.447	14.69	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.446	14.73	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.456	14.79	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.885	19.30	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.940	19.66	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.912	19.49	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.953	19.45	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.901	19.37	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.968	19.49	PASS

Test Graphs





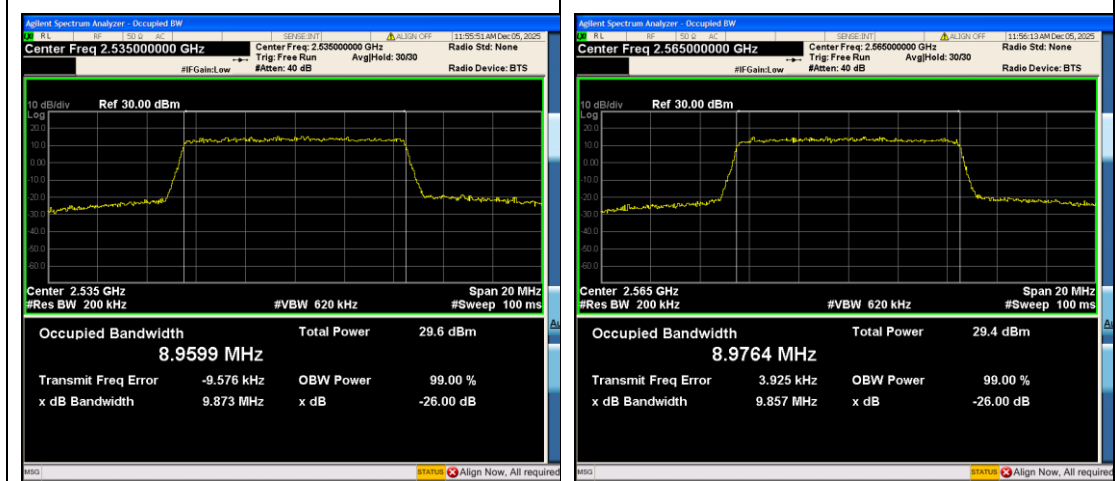
Band7-10MHz-QPSK-20800-50RB#0-PASS

Band7-10MHz-QPSK-21100-50RB#0-PASS



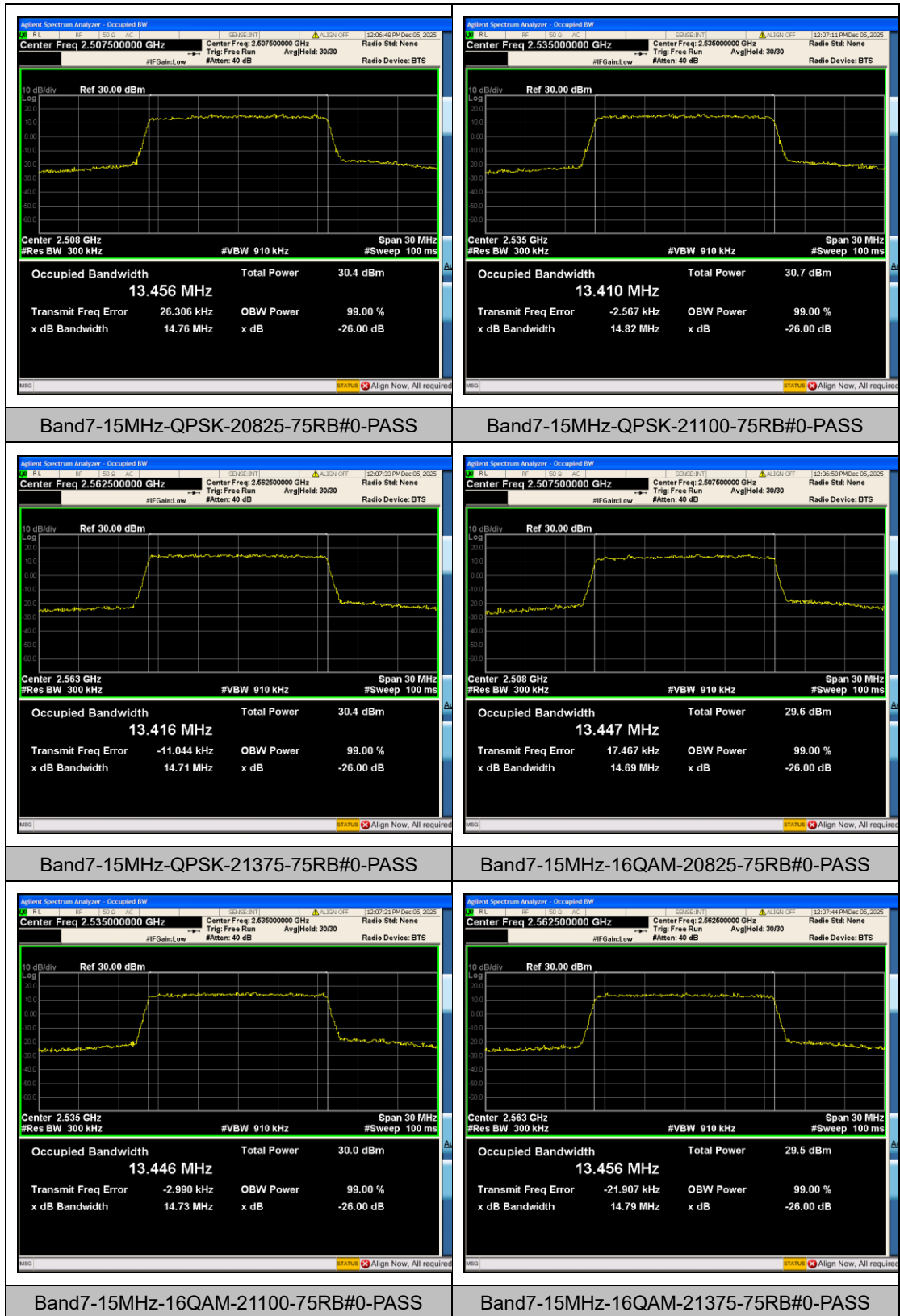
Band7-10MHz-QPSK-21400-50RB#0-PASS

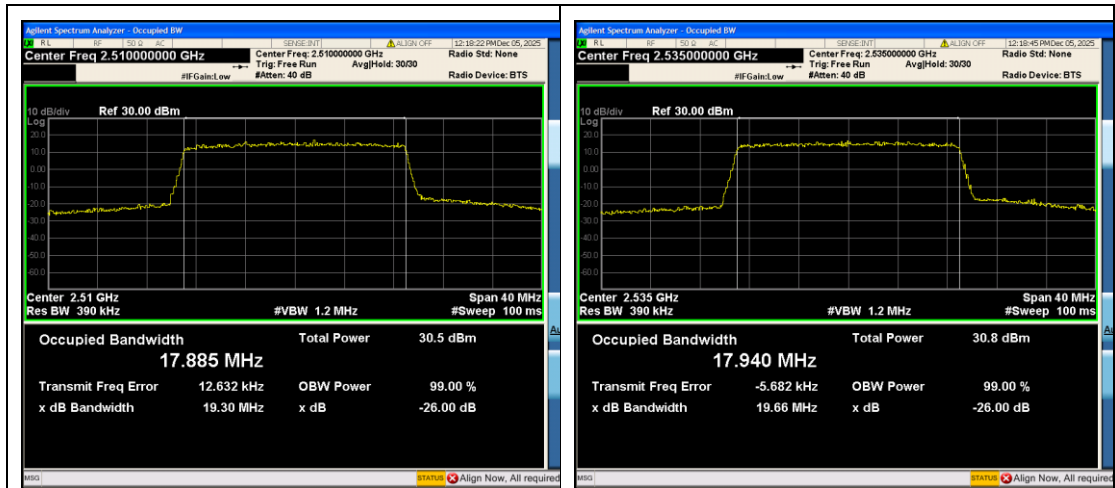
Band7-10MHz-16QAM-20800-50RB#0-PASS



Band7-10MHz-16QAM-21100-50RB#0-PASS

Band7-10MHz-16QAM-21400-50RB#0-PASS





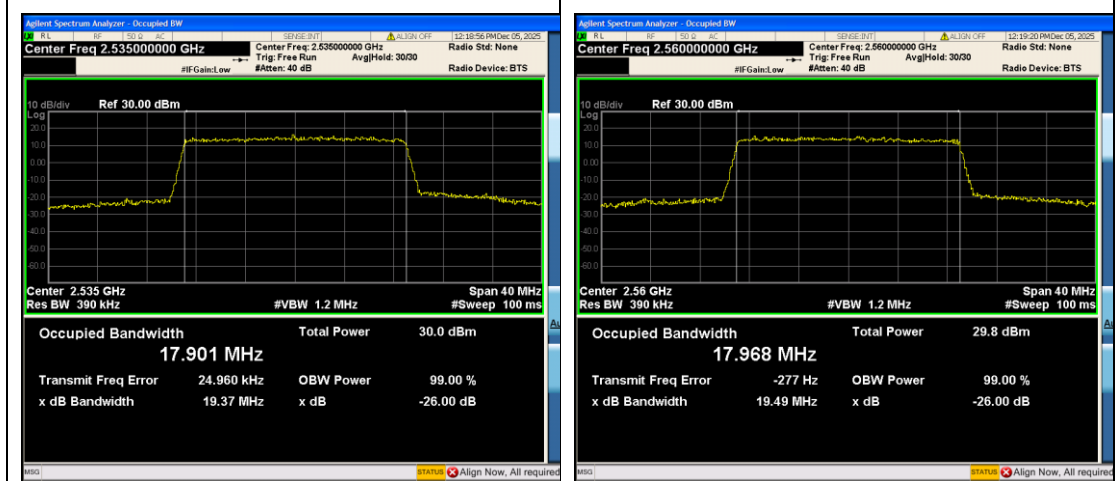
Band7-20MHz-QPSK-20850-100RB#0-PASS

Band7-20MHz-QPSK-21100-100RB#0-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS

Band7-20MHz-16QAM-20850-100RB#0-PASS



Band7-20MHz-16QAM-21100-100RB#0-PASS

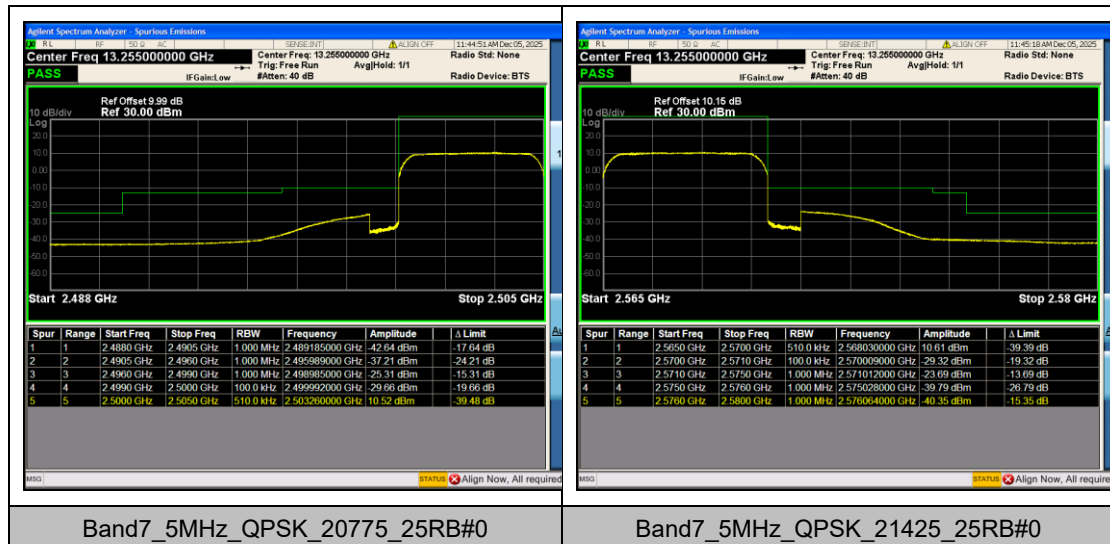
Band7-20MHz-16QAM-21350-100RB#0-PASS

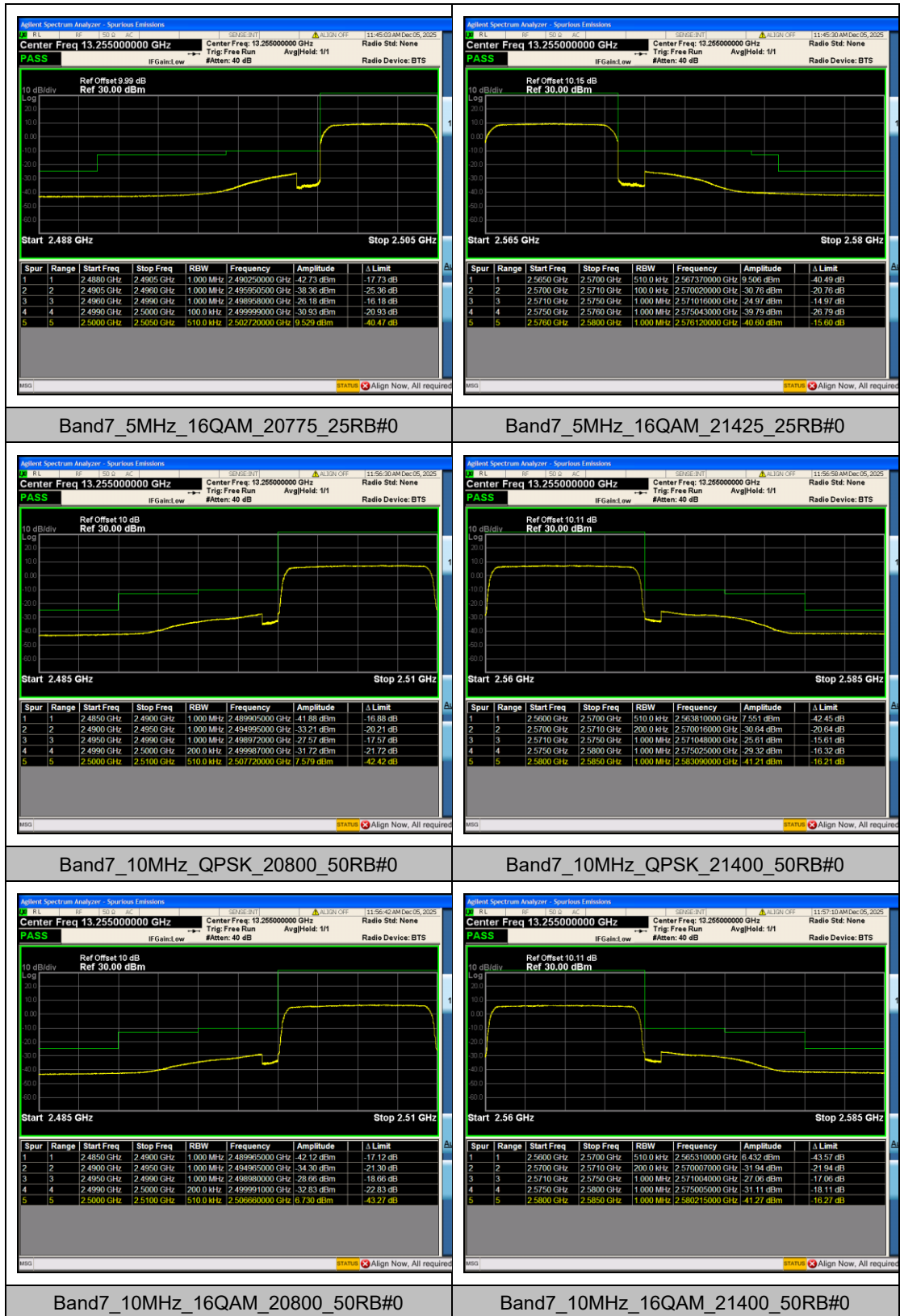
Appendix D: Band Edge

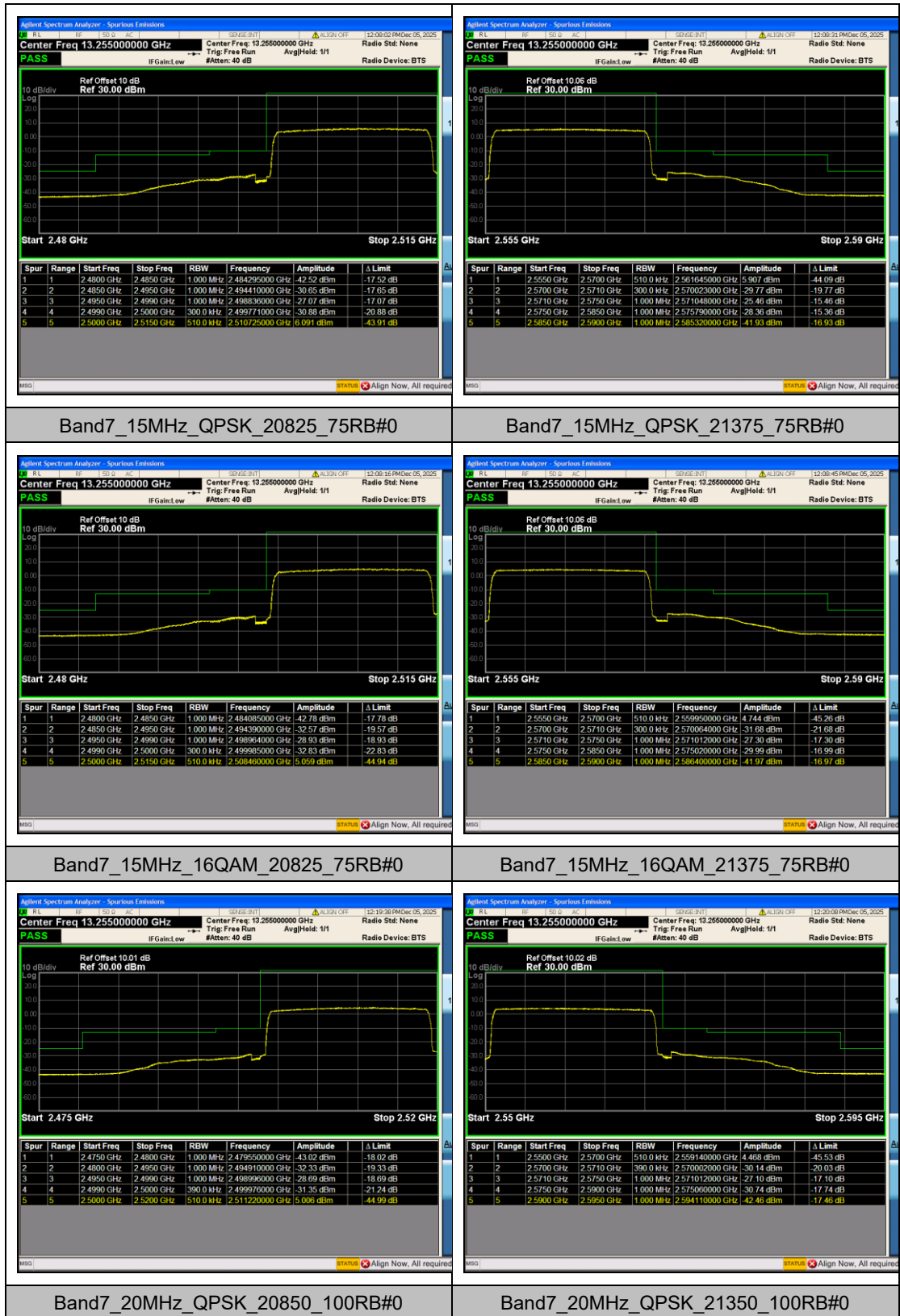
Test Result

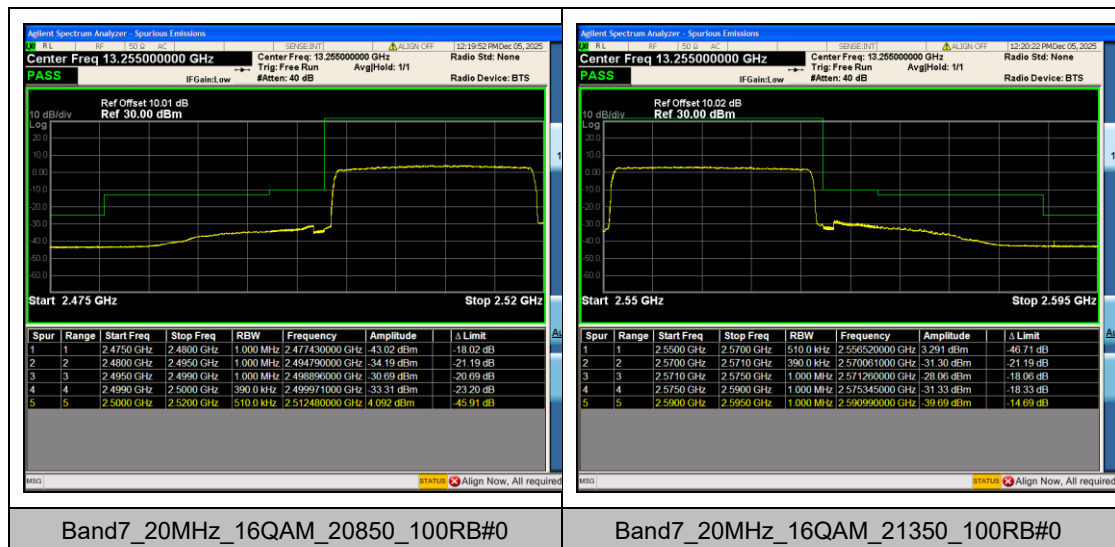
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-25.31	PASS
Band7	5MHz	QPSK	21425	25RB#0	-23.69	PASS
Band7	5MHz	16QAM	20775	25RB#0	-26.18	PASS
Band7	5MHz	16QAM	21425	25RB#0	-24.97	PASS
Band7	10MHz	QPSK	20800	50RB#0	-41.88	PASS
Band7	10MHz	QPSK	21400	50RB#0	-25.61	PASS
Band7	10MHz	16QAM	20800	50RB#0	-42.12	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.27	PASS
Band7	15MHz	QPSK	20825	75RB#0	-27.07	PASS
Band7	15MHz	QPSK	21375	75RB#0	-28.36	PASS
Band7	15MHz	16QAM	20825	75RB#0	-42.78	PASS
Band7	15MHz	16QAM	21375	75RB#0	-41.97	PASS
Band7	20MHz	QPSK	20850	100RB#0	-43.02	PASS
Band7	20MHz	QPSK	21350	100RB#0	-27.10	PASS
Band7	20MHz	16QAM	20850	100RB#0	-43.02	PASS
Band7	20MHz	16QAM	21350	100RB#0	-39.69	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	-67.56	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-52.89	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-61.02	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-38.70	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-31.67	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-66.58	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-53.44	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-59.17	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-38.73	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-31.74	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-69.83	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-51.08	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-61.85	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-38.76	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-31.89	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-68.44	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-53.99	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-62.18	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-38.64	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-32.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-70.79	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-53.42	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-62.07	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-38.38	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-32.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-68.50	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-52.50	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-62.19	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-38.18	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-31.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-67.31	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-52.24	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-62.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-38.55	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-31.94	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-71.05	PASS

Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-53.10	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-62.14	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-38.75	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-32.08	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-65.53	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-53.37	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-61.02	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-38.37	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-32.03	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-64.39	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-54.18	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-61.98	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-38.24	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-32.16	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-67.55	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-54.21	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-62.18	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-38.77	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-32.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-65.31	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-52.67	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-61.94	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-38.22	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-31.91	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-67.94	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-53.12	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-62.09	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-38.65	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-32.14	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-69.24	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-53.47	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-60.59	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-38.80	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-32.08	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-63.65	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-53.27	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-61.54	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-38.62	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-32.02	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-69.45	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-53.64	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-61.91	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-38.64	PASS

Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-31.98	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-62.84	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-53.45	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-62.06	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-38.65	PASS
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-31.80	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-67.72	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-53.60	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-61.70	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-38.17	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-31.74	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-67.53	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-53.60	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-62.02	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-38.26	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-32.12	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-66.58	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-54.99	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-61.80	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-38.70	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-31.87	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-66.55	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-54.39	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-62.02	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-38.51	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-31.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-67.43	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-54.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-62.28	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-38.42	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-31.76	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-67.79	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-52.83	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-61.25	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-38.56	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-31.95	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-66.87	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-53.24	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-61.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-38.62	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-32.14	PASS