

FCC Appendix RF Test Data for LTE Band 41

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000212

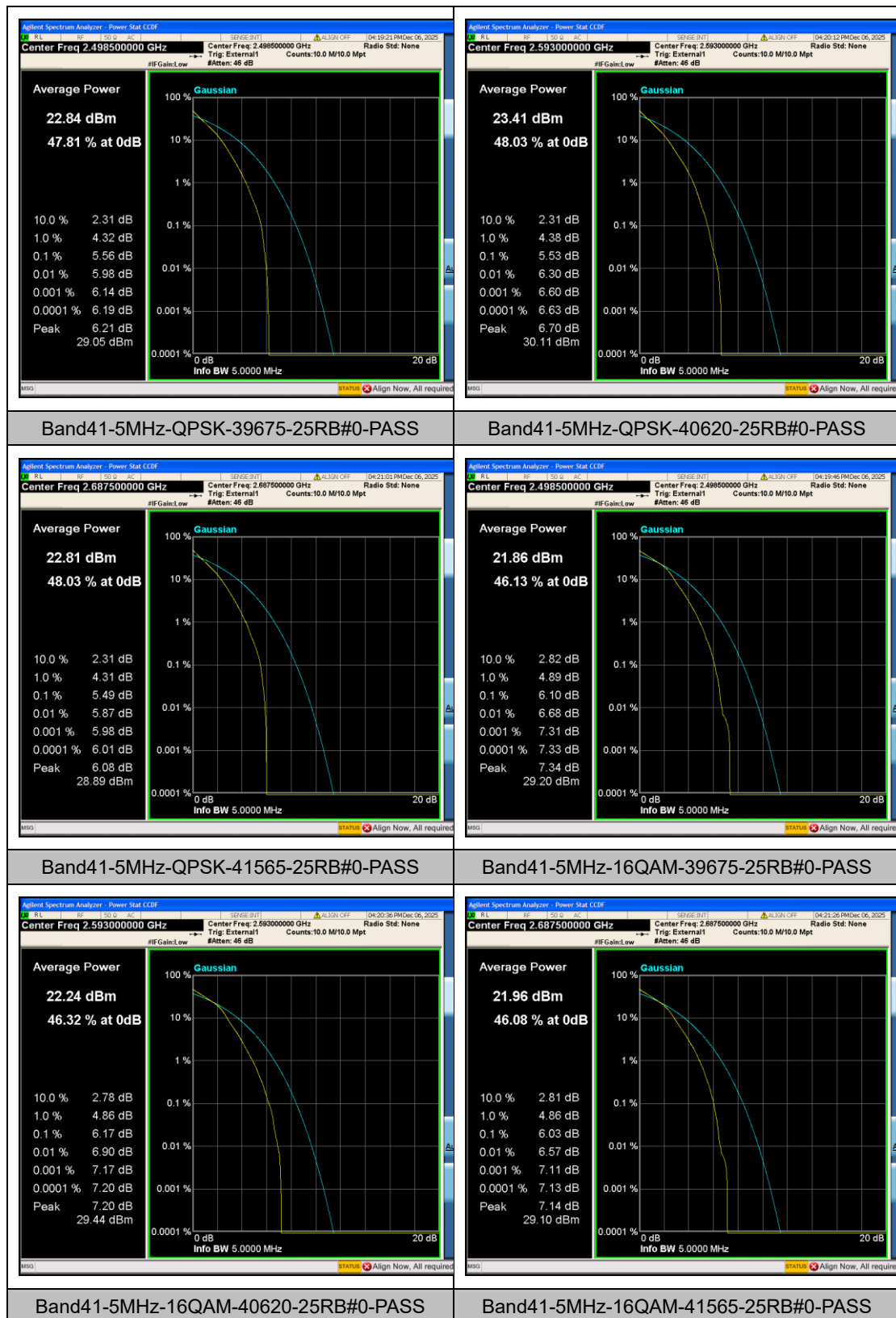
Reviewed By : Eric Wang

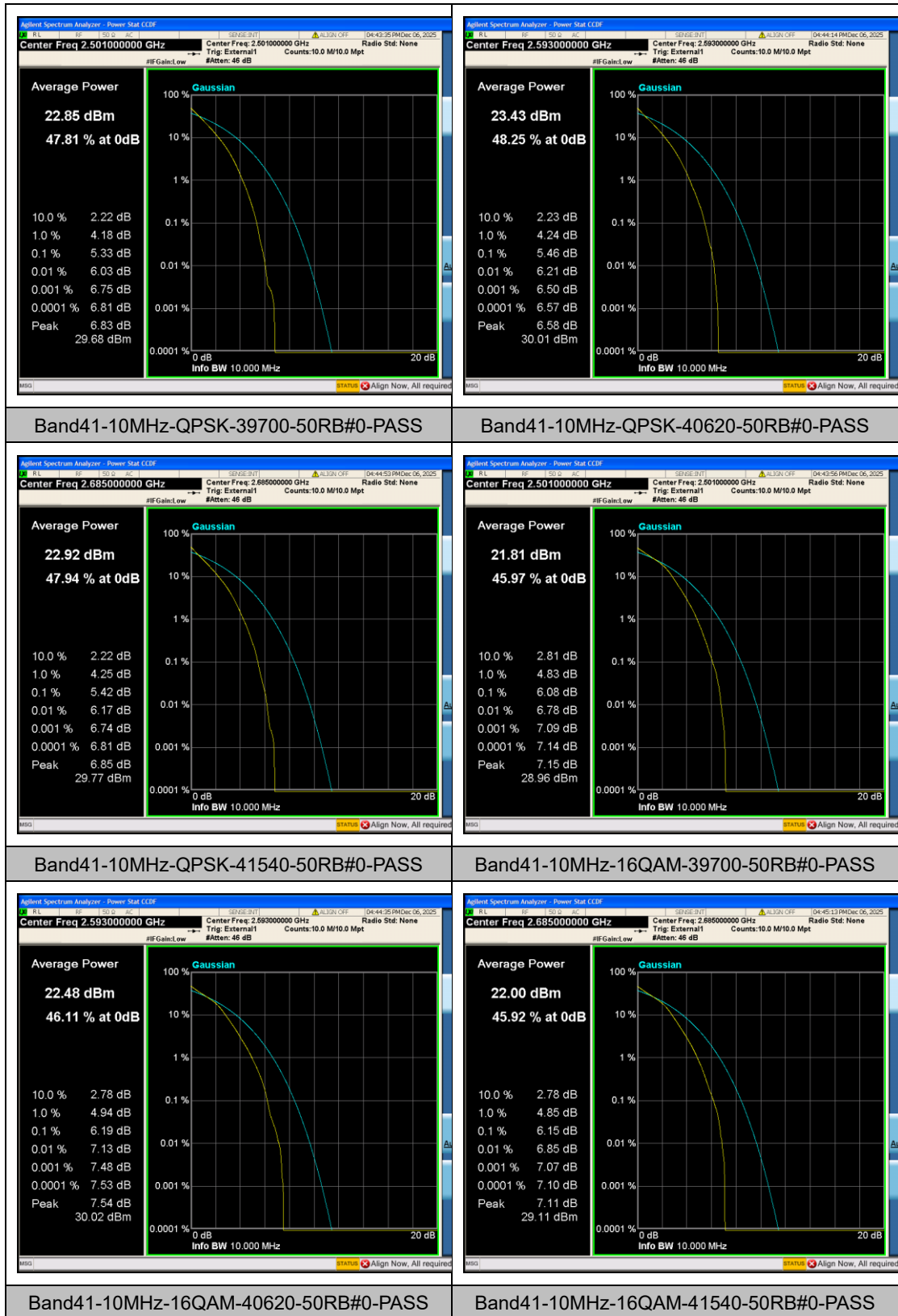
Appendix B: Peak-to-Average Ratio(CCDF)

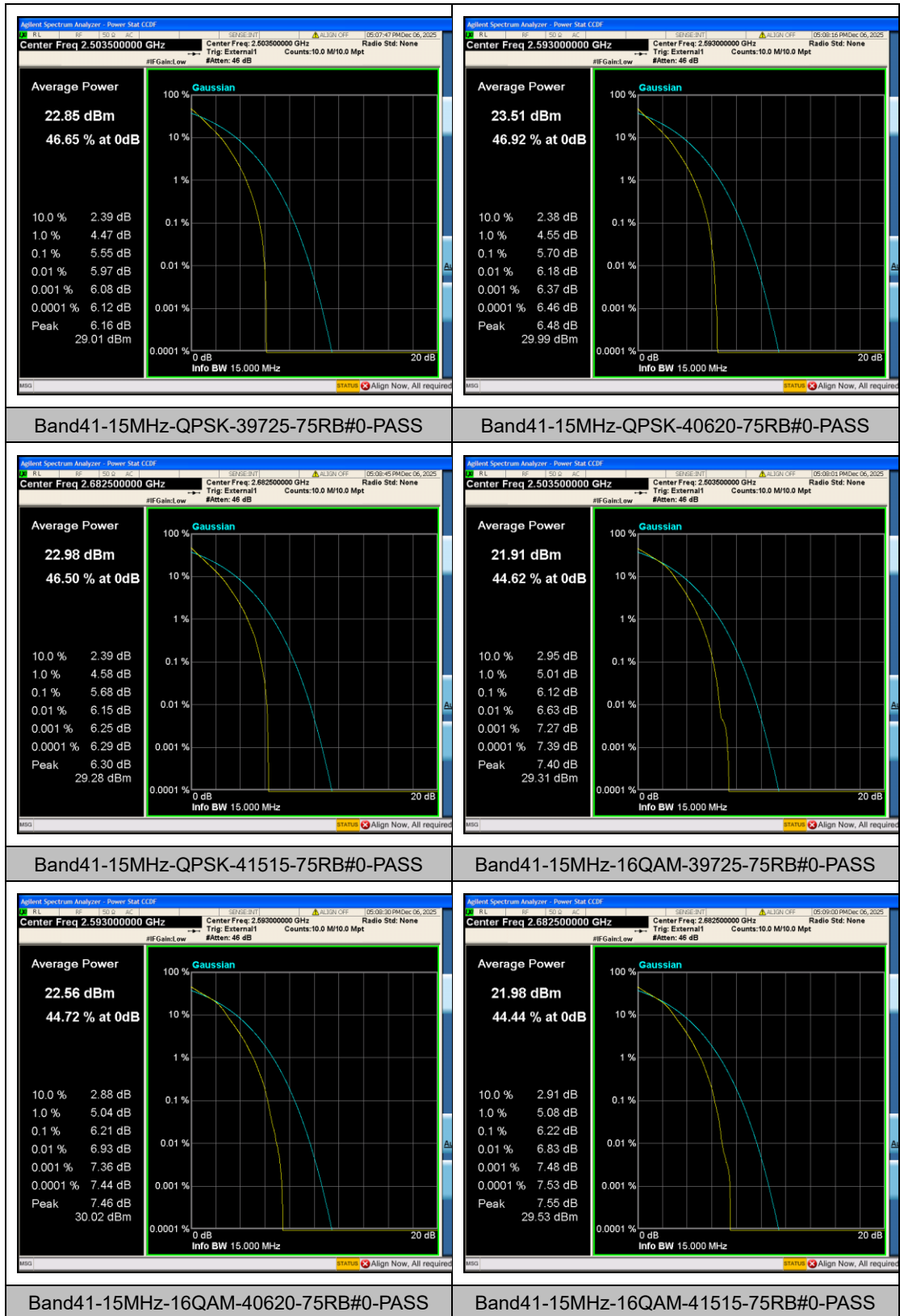
Test Result

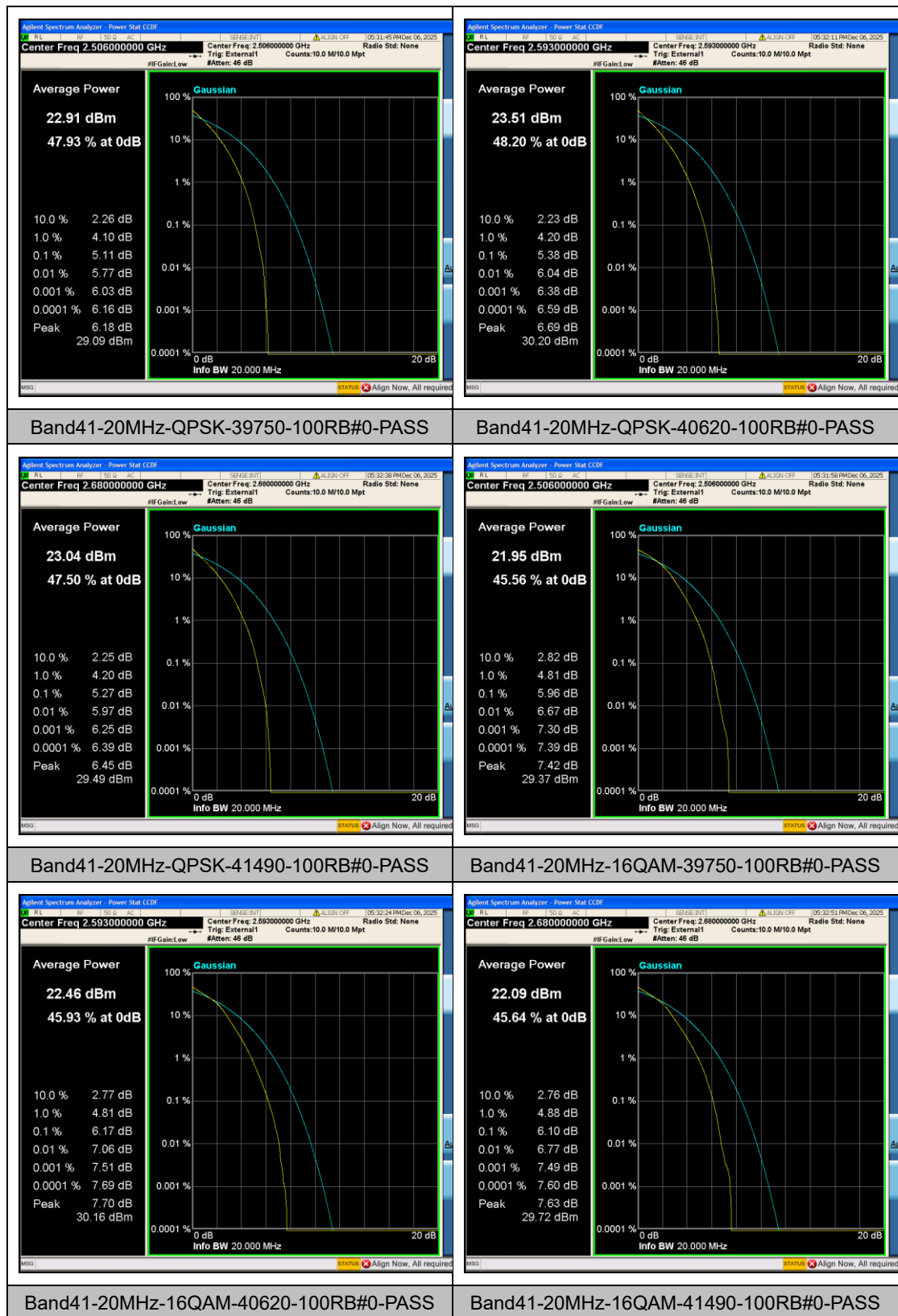
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.56	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.53	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.49	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.10	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.17	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.03	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.33	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.46	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.42	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	6.08	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.19	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.15	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.55	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.70	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.68	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.12	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.21	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.22	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.11	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.38	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.27	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.96	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.17	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.10	13	PASS

Test Graphs







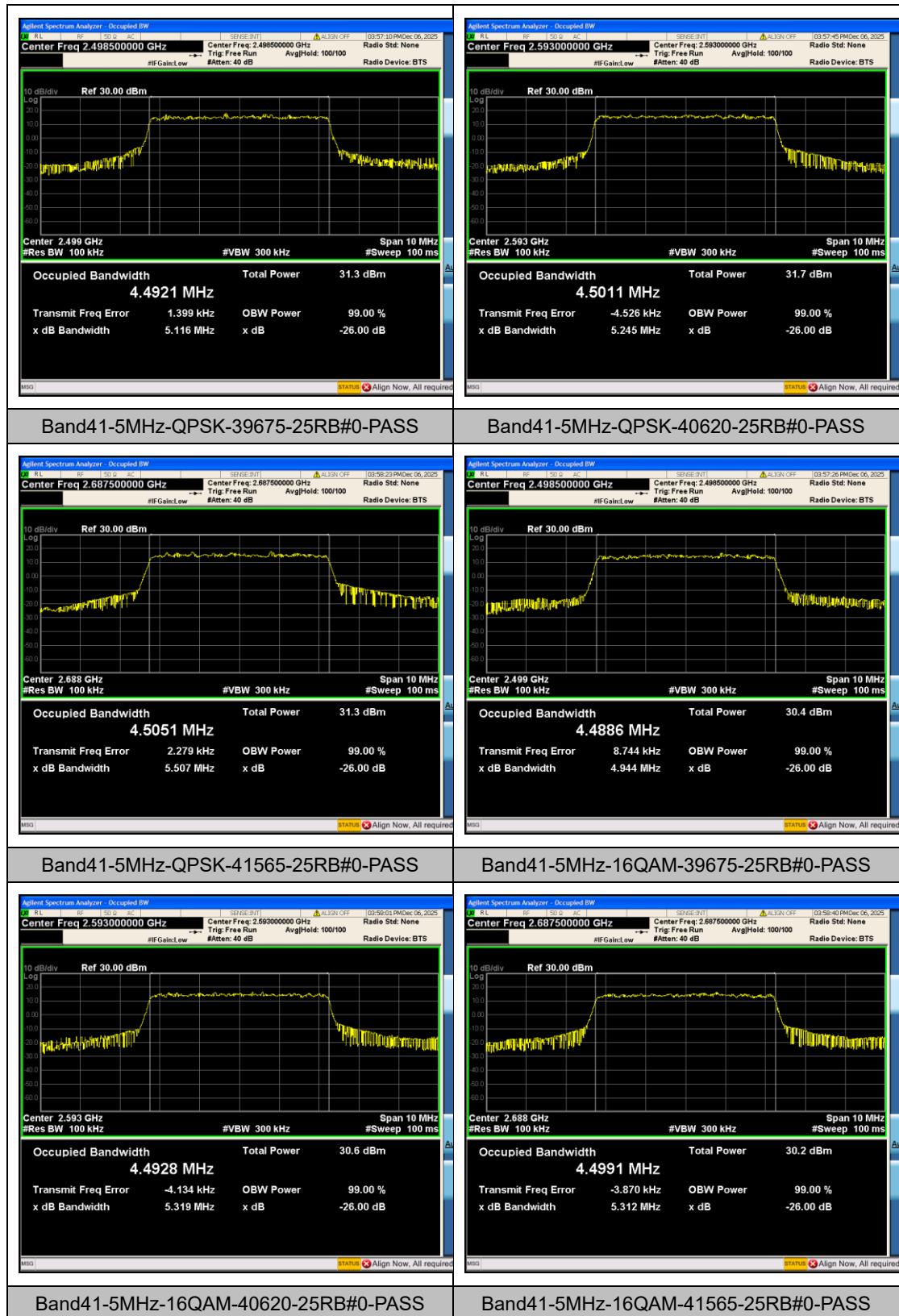


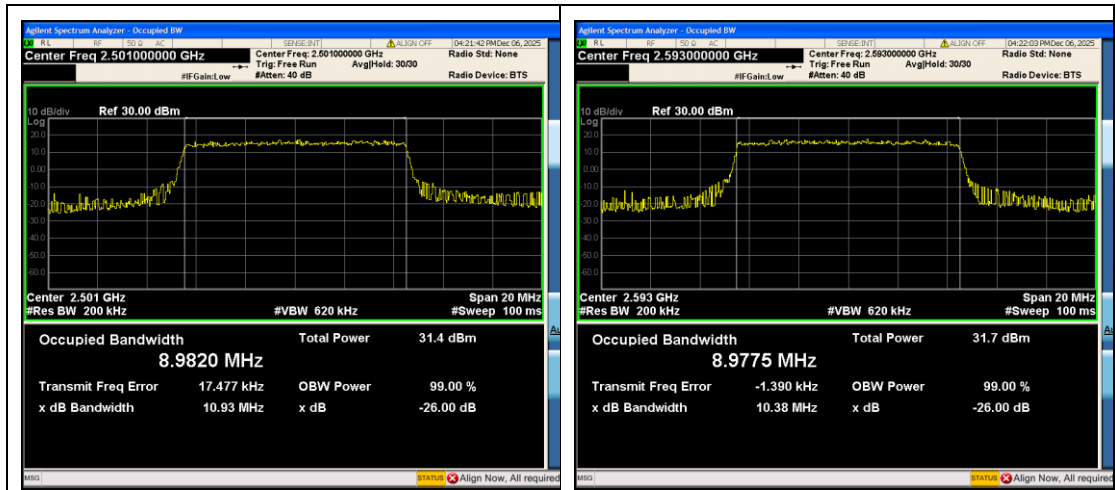
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4921	5.116	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5011	5.245	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5051	5.507	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4886	4.944	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4928	5.319	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4991	5.312	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9820	10.93	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9775	10.38	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9569	10.21	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9842	9.904	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9775	10.27	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9545	9.780	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.444	15.06	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.401	15.51	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.464	14.78	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.439	14.75	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.487	15.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.434	14.99	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.913	19.80	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.906	20.07	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.967	19.92	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.855	19.70	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.896	19.86	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.915	19.49	PASS

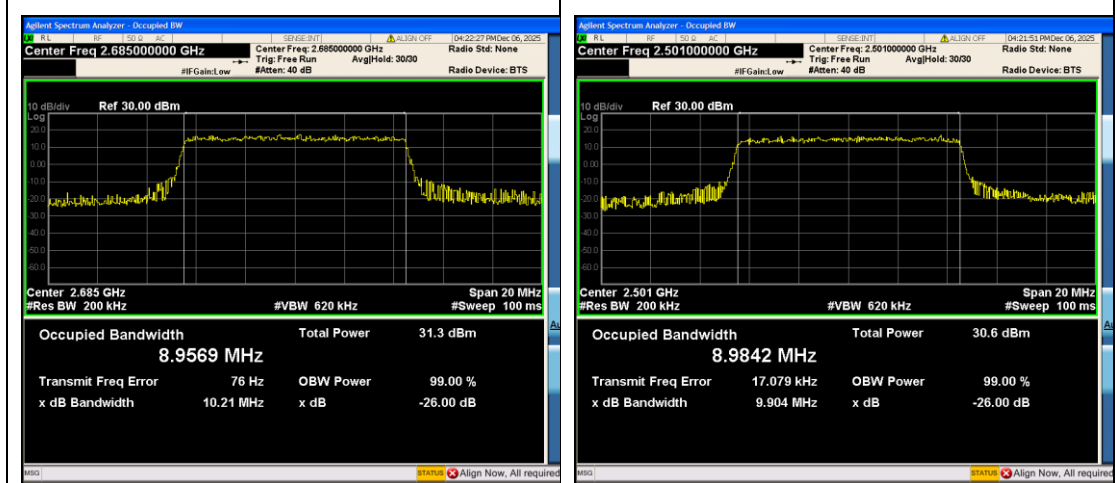
Test Graphs





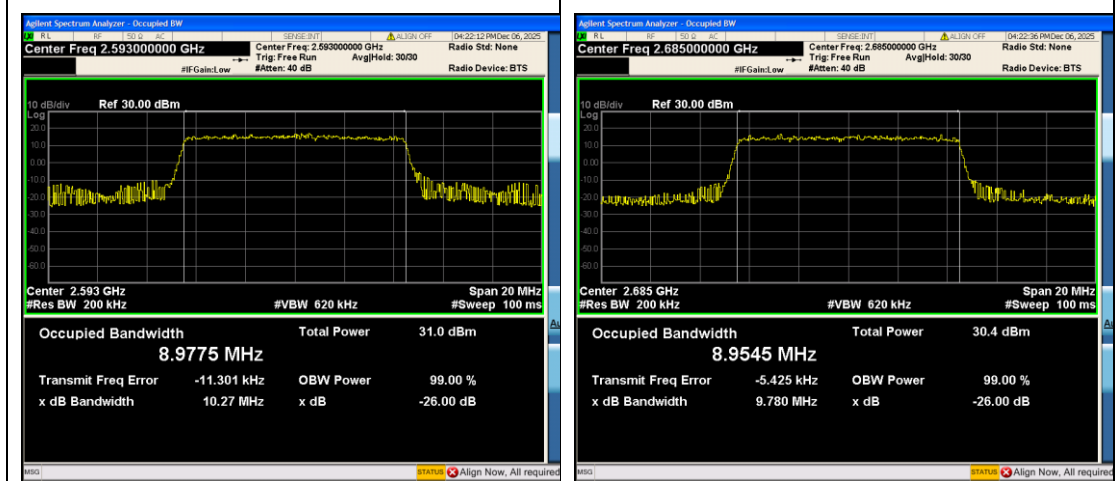
Band41-10MHz-QPSK-39700-50RB#0-PASS

Band41-10MHz-QPSK-40620-50RB#0-PASS



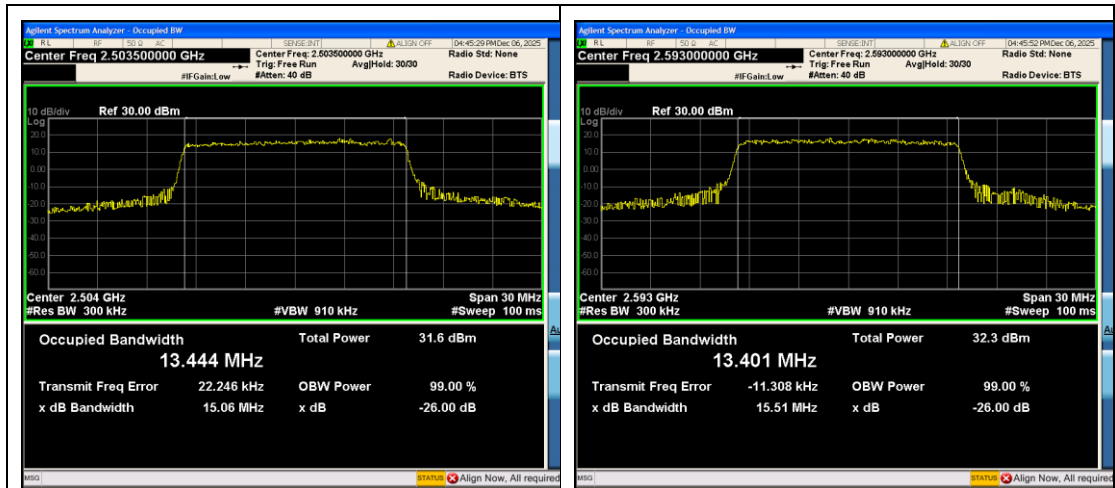
Band41-10MHz-QPSK-41540-50RB#0-PASS

Band41-10MHz-16QAM-39700-50RB#0-PASS



Band41-10MHz-16QAM-40620-50RB#0-PASS

Band41-10MHz-16QAM-41540-50RB#0-PASS



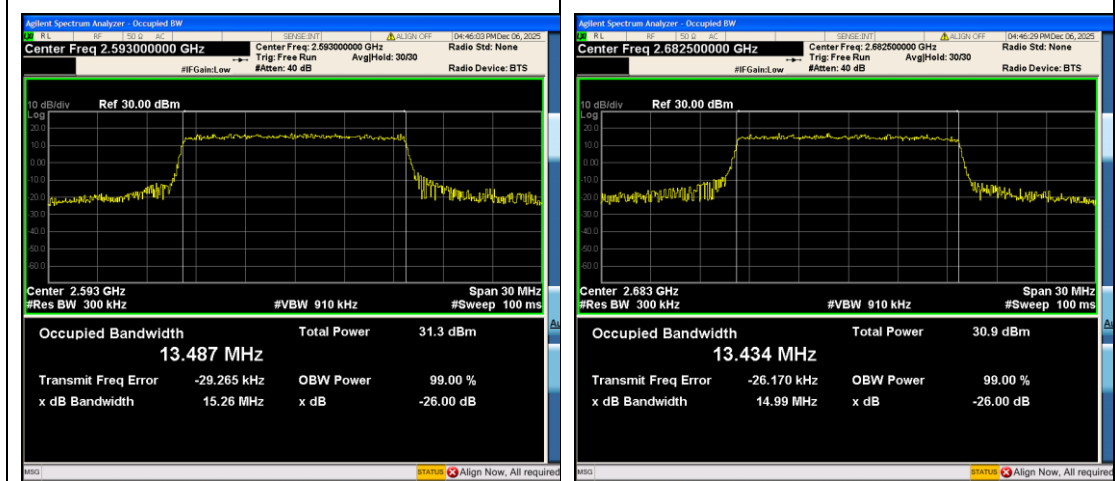
Band41-15MHz-QPSK-39725-75RB#0-PASS

Band41-15MHz-QPSK-40620-75RB#0-PASS



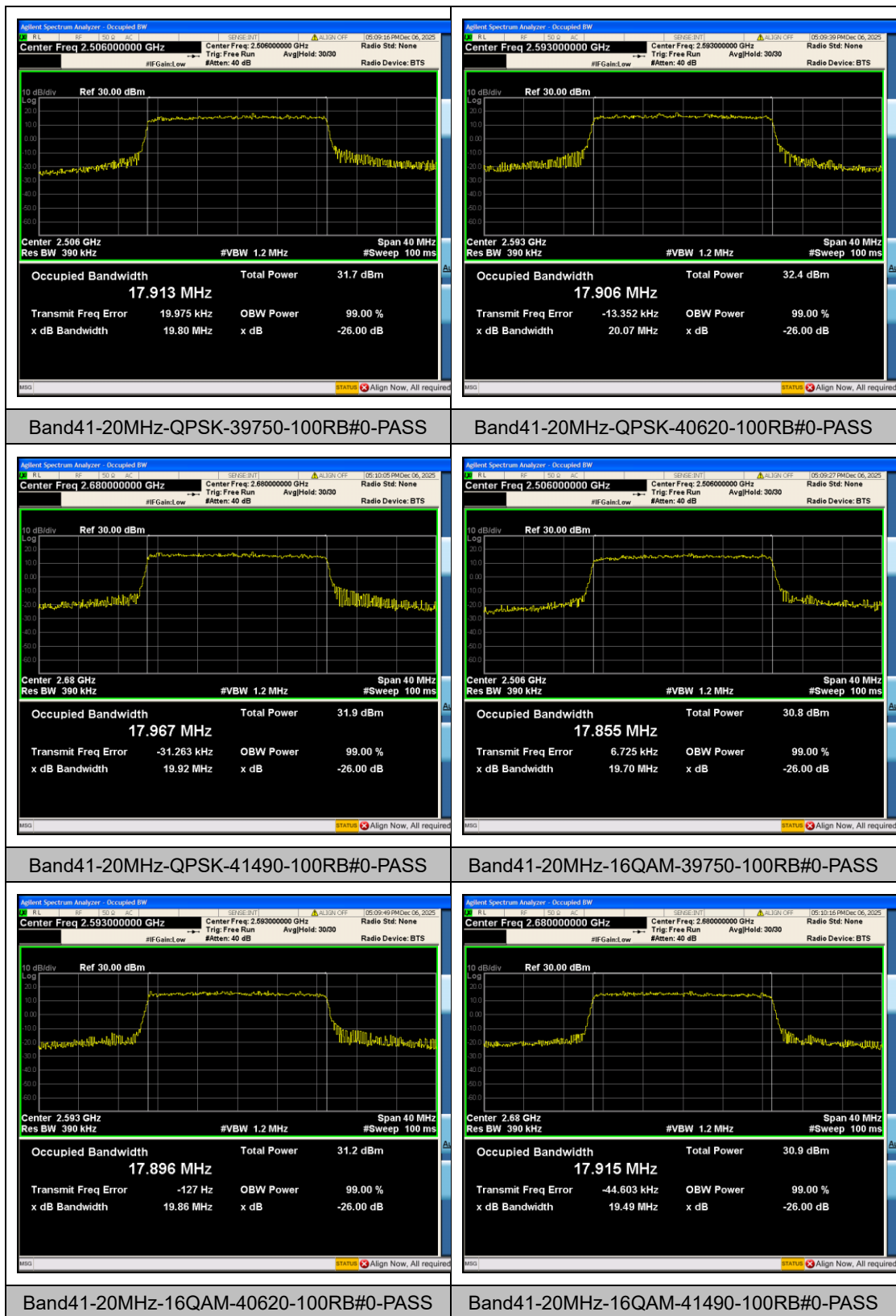
Band41-15MHz-QPSK-41515-75RB#0-PASS

Band41-15MHz-16QAM-39725-75RB#0-PASS



Band41-15MHz-16QAM-40620-75RB#0-PASS

Band41-15MHz-16QAM-41515-75RB#0-PASS

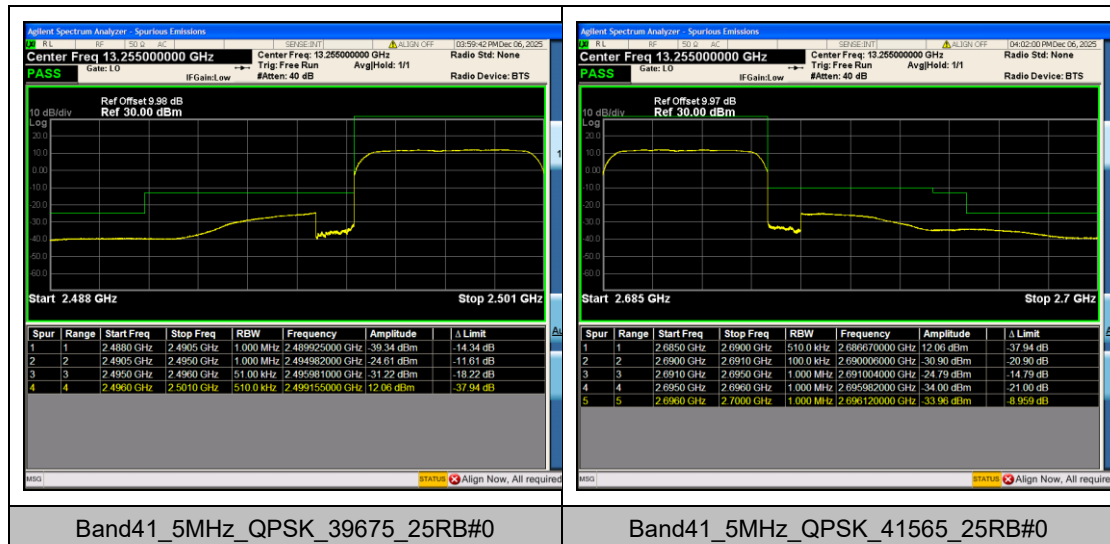


Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-24.61	PASS
Band41	5MHz	QPSK	41565	25RB#0	-33.96	PASS
Band41	5MHz	16QAM	39675	25RB#0	-26.25	PASS
Band41	5MHz	16QAM	41565	25RB#0	-35.14	PASS
Band41	10MHz	QPSK	39700	50RB#0	-30.68	PASS
Band41	10MHz	QPSK	41540	50RB#0	-36.46	PASS
Band41	10MHz	16QAM	39700	50RB#0	-33.08	PASS
Band41	10MHz	16QAM	41540	50RB#0	-36.12	PASS
Band41	15MHz	QPSK	39725	75RB#0	-29.31	PASS
Band41	15MHz	QPSK	41515	75RB#0	-37.57	PASS
Band41	15MHz	16QAM	39725	75RB#0	-30.95	PASS
Band41	15MHz	16QAM	41515	75RB#0	-37.47	PASS
Band41	20MHz	QPSK	39750	100RB#0	-31.48	PASS
Band41	20MHz	QPSK	41490	100RB#0	-39.40	PASS
Band41	20MHz	16QAM	39750	100RB#0	-32.77	PASS
Band41	20MHz	16QAM	41490	100RB#0	-39.52	PASS

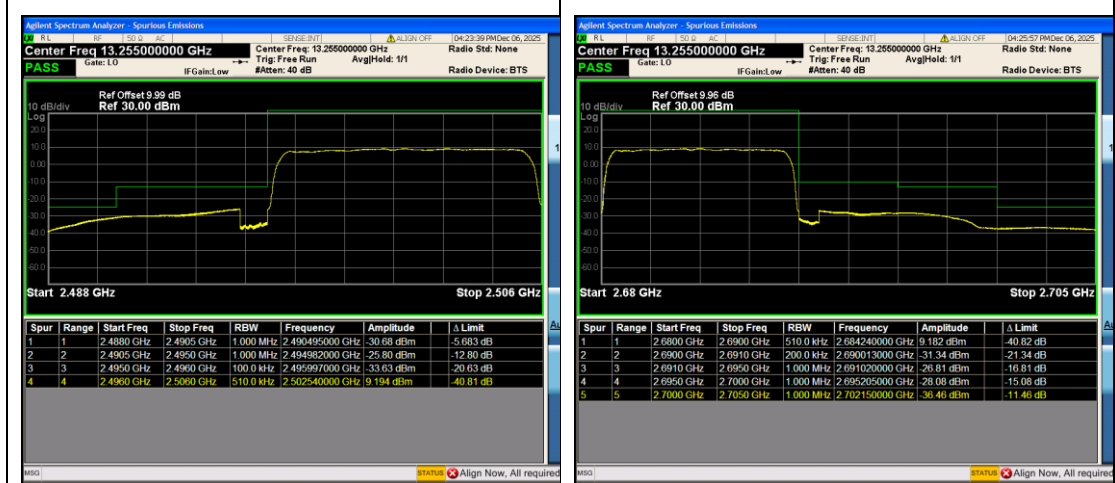
Test Graphs





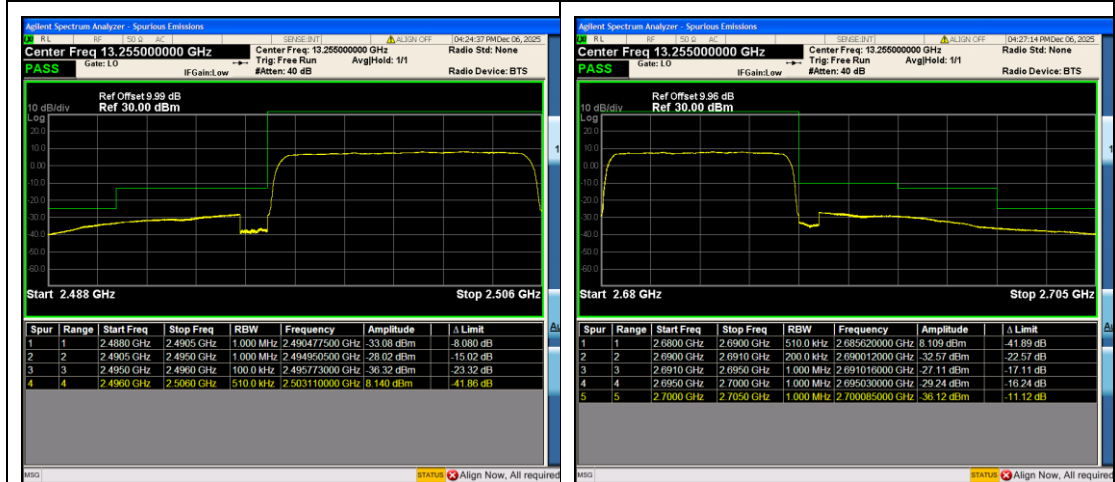
Band41_5MHz_16QAM_39675_25RB#0

Band41_5MHz_16QAM_41565_25RB#0



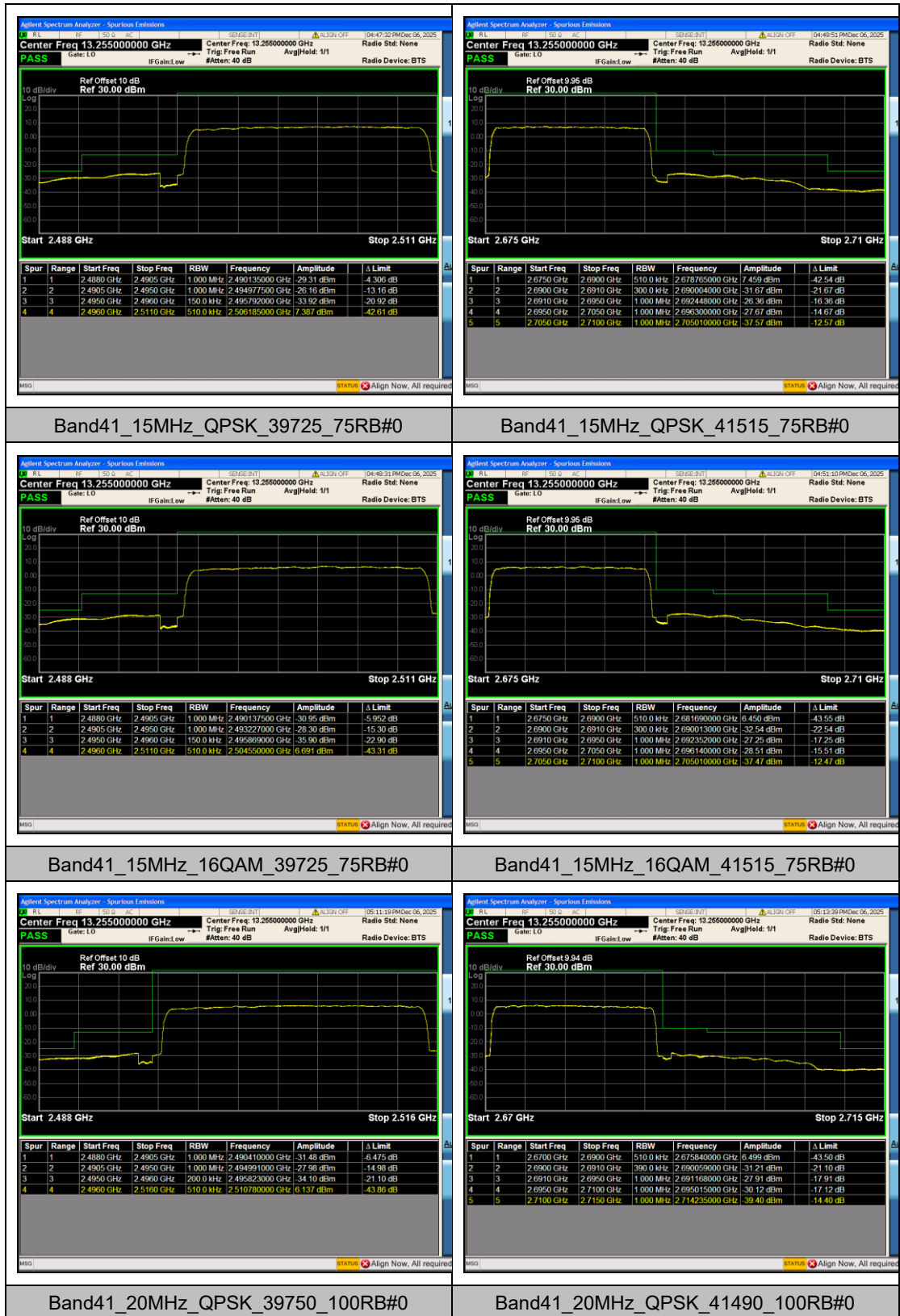
Band41_10MHz_QPSK_39700_50RB#0

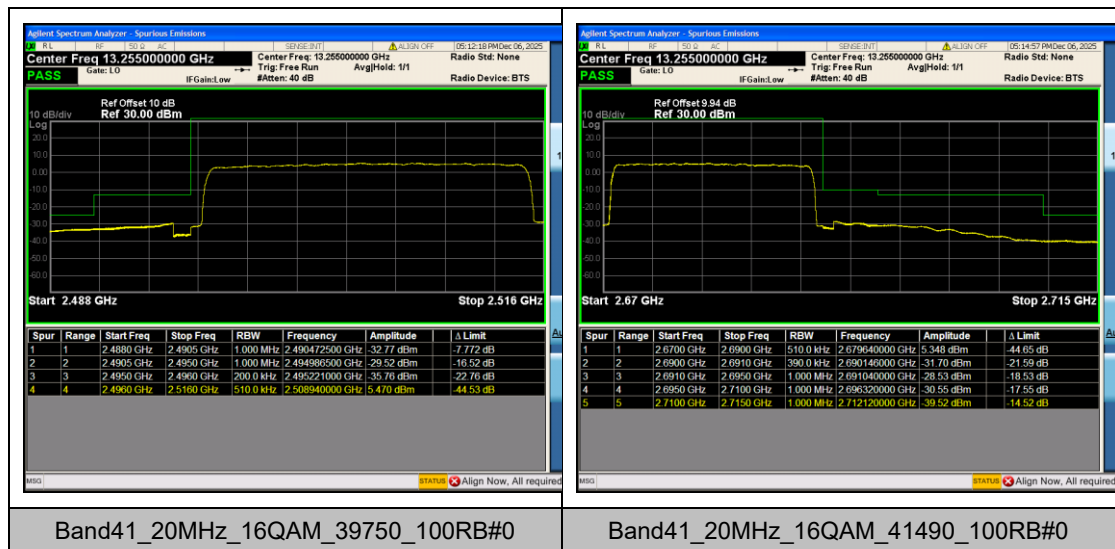
Band41_10MHz_QPSK_41540_50RB#0



Band41_10MHz_16QAM_39700_50RB#0

Band41_10MHz_16QAM_41540_50RB#0





Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	0.009~0.15	-65.01	PASS
Band41	5MHz	QPSK	39675	25RB#0	0.15~30	-62.95	PASS
Band41	5MHz	QPSK	39675	25RB#0	30~1000	-62.11	PASS
Band41	5MHz	QPSK	39675	25RB#0	1000~20000	-37.95	PASS
Band41	5MHz	QPSK	39675	25RB#0	20000~27000	-31.94	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.009~0.15	-67.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.15~30	-62.51	PASS
Band41	5MHz	QPSK	40620	25RB#0	30~1000	-62.30	PASS
Band41	5MHz	QPSK	40620	25RB#0	1000~20000	-35.43	PASS
Band41	5MHz	QPSK	40620	25RB#0	20000~27000	-31.88	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.009~0.15	-65.02	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.15~30	-62.13	PASS
Band41	5MHz	QPSK	41565	25RB#0	30~1000	-62.16	PASS
Band41	5MHz	QPSK	41565	25RB#0	1000~20000	-34.19	PASS
Band41	5MHz	QPSK	41565	25RB#0	20000~27000	-31.60	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.009~0.15	-68.63	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.15~30	-60.04	PASS
Band41	5MHz	16QAM	39675	25RB#0	30~1000	-62.18	PASS
Band41	5MHz	16QAM	39675	25RB#0	1000~20000	-38.59	PASS
Band41	5MHz	16QAM	39675	25RB#0	20000~27000	-31.81	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.009~0.15	-68.71	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.15~30	-60.03	PASS
Band41	5MHz	16QAM	40620	25RB#0	30~1000	-62.40	PASS
Band41	5MHz	16QAM	40620	25RB#0	1000~20000	-37.02	PASS
Band41	5MHz	16QAM	40620	25RB#0	20000~27000	-32.24	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.009~0.15	-67.16	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.15~30	-62.33	PASS
Band41	5MHz	16QAM	41565	25RB#0	30~1000	-62.22	PASS
Band41	5MHz	16QAM	41565	25RB#0	1000~20000	-35.79	PASS
Band41	5MHz	16QAM	41565	25RB#0	20000~27000	-31.95	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.009~0.15	-67.07	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.15~30	-61.45	PASS
Band41	10MHz	QPSK	39700	50RB#0	30~1000	-62.17	PASS
Band41	10MHz	QPSK	39700	50RB#0	1000~20000	-38.56	PASS
Band41	10MHz	QPSK	39700	50RB#0	20000~27000	-31.84	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.009~0.15	-66.21	PASS

Band41	10MHz	QPSK	40620	50RB#0	0.15~30	-61.64	PASS
Band41	10MHz	QPSK	40620	50RB#0	30~1000	-62.28	PASS
Band41	10MHz	QPSK	40620	50RB#0	1000~20000	-36.28	PASS
Band41	10MHz	QPSK	40620	50RB#0	20000~27000	-31.87	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.009~0.15	-67.52	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.15~30	-61.63	PASS
Band41	10MHz	QPSK	41540	50RB#0	30~1000	-62.24	PASS
Band41	10MHz	QPSK	41540	50RB#0	1000~20000	-35.23	PASS
Band41	10MHz	QPSK	41540	50RB#0	20000~27000	-31.73	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.009~0.15	-68.78	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.15~30	-62.75	PASS
Band41	10MHz	16QAM	39700	50RB#0	30~1000	-62.29	PASS
Band41	10MHz	16QAM	39700	50RB#0	1000~20000	-38.53	PASS
Band41	10MHz	16QAM	39700	50RB#0	20000~27000	-31.88	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.009~0.15	-68.14	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.15~30	-61.99	PASS
Band41	10MHz	16QAM	40620	50RB#0	30~1000	-62.34	PASS
Band41	10MHz	16QAM	40620	50RB#0	1000~20000	-38.34	PASS
Band41	10MHz	16QAM	40620	50RB#0	20000~27000	-31.99	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.009~0.15	-65.73	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.15~30	-61.32	PASS
Band41	10MHz	16QAM	41540	50RB#0	30~1000	-62.18	PASS
Band41	10MHz	16QAM	41540	50RB#0	1000~20000	-37.01	PASS
Band41	10MHz	16QAM	41540	50RB#0	20000~27000	-31.46	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.009~0.15	-65.81	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.15~30	-60.84	PASS
Band41	15MHz	QPSK	39725	75RB#0	30~1000	-62.25	PASS
Band41	15MHz	QPSK	39725	75RB#0	1000~20000	-38.41	PASS
Band41	15MHz	QPSK	39725	75RB#0	20000~27000	-32.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.009~0.15	-68.74	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.15~30	-63.47	PASS
Band41	15MHz	QPSK	40620	75RB#0	30~1000	-61.93	PASS
Band41	15MHz	QPSK	40620	75RB#0	1000~20000	-36.66	PASS
Band41	15MHz	QPSK	40620	75RB#0	20000~27000	-32.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.009~0.15	-66.93	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.15~30	-60.71	PASS
Band41	15MHz	QPSK	41515	75RB#0	30~1000	-62.23	PASS
Band41	15MHz	QPSK	41515	75RB#0	1000~20000	-34.80	PASS
Band41	15MHz	QPSK	41515	75RB#0	20000~27000	-31.89	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.009~0.15	-65.20	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.15~30	-61.36	PASS
Band41	15MHz	16QAM	39725	75RB#0	30~1000	-62.34	PASS
Band41	15MHz	16QAM	39725	75RB#0	1000~20000	-38.15	PASS

Band41	15MHz	16QAM	39725	75RB#0	20000~27000	-31.98	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.009~0.15	-67.86	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.15~30	-63.96	PASS
Band41	15MHz	16QAM	40620	75RB#0	30~1000	-62.27	PASS
Band41	15MHz	16QAM	40620	75RB#0	1000~20000	-37.36	PASS
Band41	15MHz	16QAM	40620	75RB#0	20000~27000	-32.15	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.009~0.15	-68.90	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.15~30	-62.95	PASS
Band41	15MHz	16QAM	41515	75RB#0	30~1000	-62.36	PASS
Band41	15MHz	16QAM	41515	75RB#0	1000~20000	-35.81	PASS
Band41	15MHz	16QAM	41515	75RB#0	20000~27000	-32.21	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.009~0.15	-66.69	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.15~30	-63.40	PASS
Band41	20MHz	QPSK	39750	100RB#0	30~1000	-61.66	PASS
Band41	20MHz	QPSK	39750	100RB#0	1000~20000	-38.64	PASS
Band41	20MHz	QPSK	39750	100RB#0	20000~27000	-31.95	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.009~0.15	-67.79	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.15~30	-60.75	PASS
Band41	20MHz	QPSK	40620	100RB#0	30~1000	-62.26	PASS
Band41	20MHz	QPSK	40620	100RB#0	1000~20000	-38.23	PASS
Band41	20MHz	QPSK	40620	100RB#0	20000~27000	-32.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.009~0.15	-69.63	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.15~30	-63.17	PASS
Band41	20MHz	QPSK	41490	100RB#0	30~1000	-61.87	PASS
Band41	20MHz	QPSK	41490	100RB#0	1000~20000	-38.45	PASS
Band41	20MHz	QPSK	41490	100RB#0	20000~27000	-31.68	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.009~0.15	-67.48	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.15~30	-64.07	PASS
Band41	20MHz	16QAM	39750	100RB#0	30~1000	-62.47	PASS
Band41	20MHz	16QAM	39750	100RB#0	1000~20000	-38.36	PASS
Band41	20MHz	16QAM	39750	100RB#0	20000~27000	-32.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.009~0.15	-63.93	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.15~30	-60.33	PASS
Band41	20MHz	16QAM	40620	100RB#0	30~1000	-62.38	PASS
Band41	20MHz	16QAM	40620	100RB#0	1000~20000	-38.76	PASS
Band41	20MHz	16QAM	40620	100RB#0	20000~27000	-32.03	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.009~0.15	-67.93	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.15~30	-61.33	PASS
Band41	20MHz	16QAM	41490	100RB#0	30~1000	-62.34	PASS
Band41	20MHz	16QAM	41490	100RB#0	1000~20000	-38.31	PASS
Band41	20MHz	16QAM	41490	100RB#0	20000~27000	-32.16	PASS