

Test Data for E-UTRA Band 40_2

EUT: <u>Tablet PC</u> Test Model: <u>ST11</u>
Ambient Condition: <u>25 °C</u> , <u>45 %RH</u> , <u>101.325 kPa</u>
Test Engineer: <u>Jack Zhou</u>

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Appendix A: Maximum Power Spectral Density Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Verdict
40(2350-2360)	5MHz	QPSK	39175	1RB#0	20.76	20.96	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	20.35	20.55	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#24	21.45	21.65	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#24	20.61	20.81	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#49	21.16	21.36	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#49	20.14	20.34	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	19.80	20.00	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	18.45	18.65	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#12	18.78	18.98	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#12	18.67	18.87	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#25	18.91	19.11	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#25	18.56	18.76	PASS
40(2350-2360)	5MHz	QPSK	39175	50RB#0	19.35	19.55	PASS
40(2350-2360)	5MHz	16QAM	39175	50RB#0	19.77	19.97	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#0	21.23	21.43	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#0	20.73	20.93	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#24	21.07	21.27	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#24	21.57	21.77	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#49	20.74	20.94	PASS

2360)							
40(2350-2360)	5MHz	16QAM	39200	1RB#49	20.81	21.01	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	19.63	19.83	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	18.77	18.97	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#12	19.43	19.63	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#12	18.46	18.66	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#25	20.23	20.43	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#25	18.59	18.79	PASS
40(2350-2360)	5MHz	QPSK	39200	50RB#0	19.21	19.41	PASS
40(2350-2360)	5MHz	16QAM	39200	50RB#0	19.76	19.96	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	20.60	20.80	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	20.50	20.70	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#24	21.62	21.82	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#24	21.51	21.71	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#49	21.65	21.85	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#49	21.54	21.74	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	19.48	19.68	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	19.20	19.40	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#12	19.35	19.55	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#12	19.00	19.20	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#25	19.69	19.89	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#25	19.25	19.45	PASS

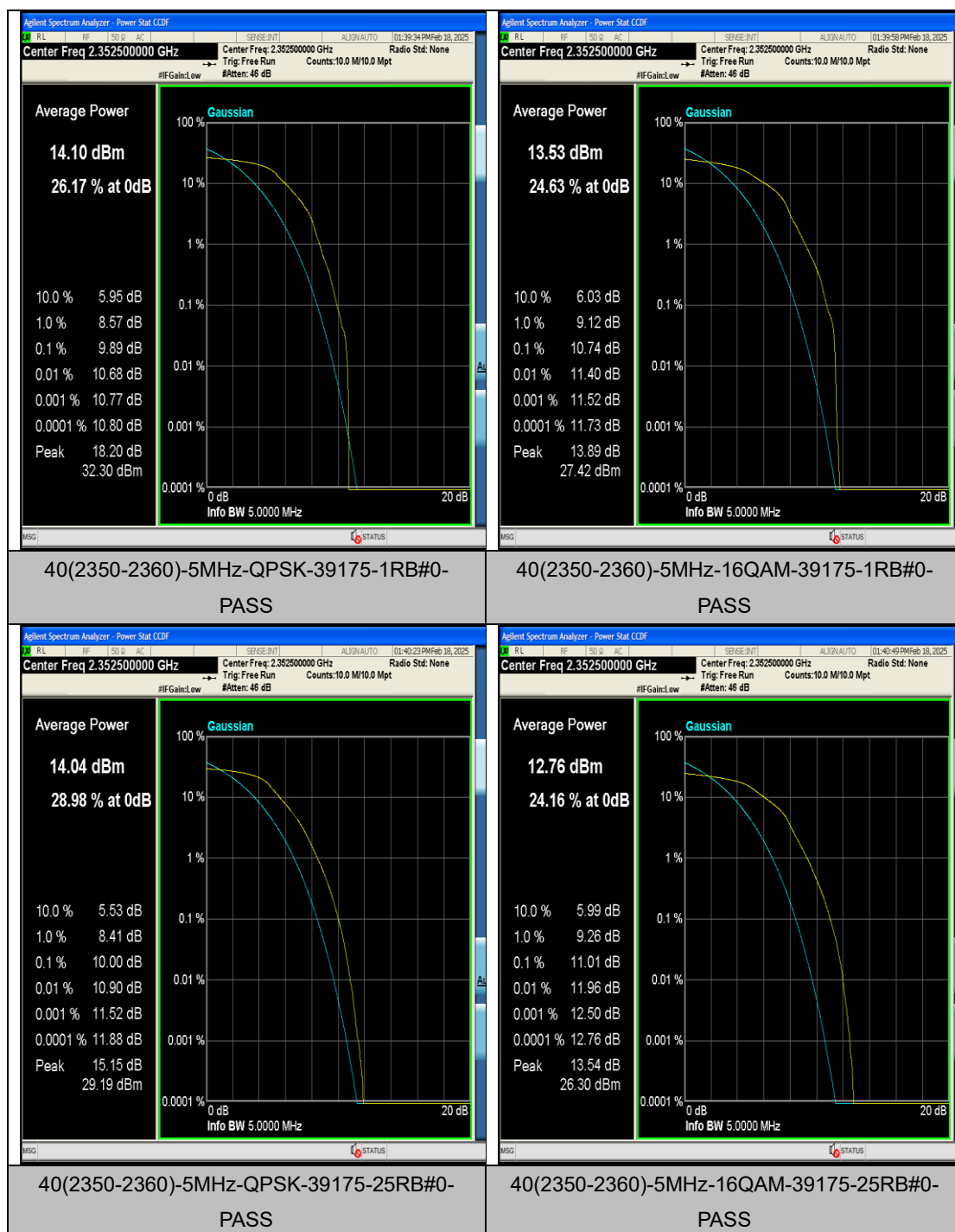
40(2350-2360)	5MHz	QPSK	39225	50RB#0	19.42	19.62	PASS
40(2350-2360)	5MHz	16QAM	39225	50RB#0	20.06	20.26	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	20.13	20.33	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	19.65	19.85	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#24	20.36	20.56	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#24	20.11	20.31	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#49	21.09	21.29	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#49	21.22	21.42	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#0	18.08	18.28	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#0	18.21	18.41	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#12	18.98	19.18	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#12	17.55	17.75	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#25	19.31	19.51	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#25	18.32	18.52	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	17.21	17.41	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	16.20	16.40	PASS

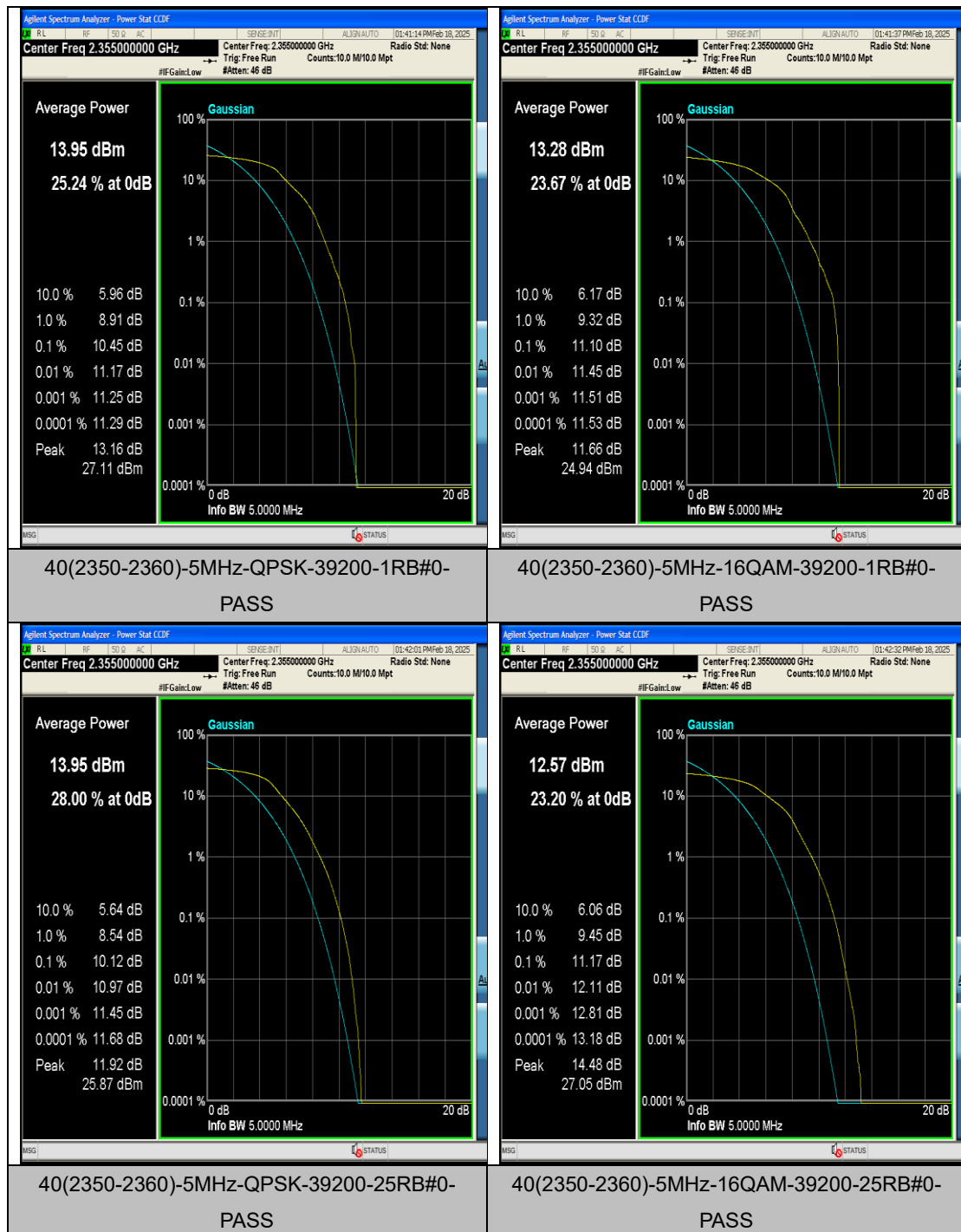
Appendix B: Peak-to-Average Ratio(CCDF)

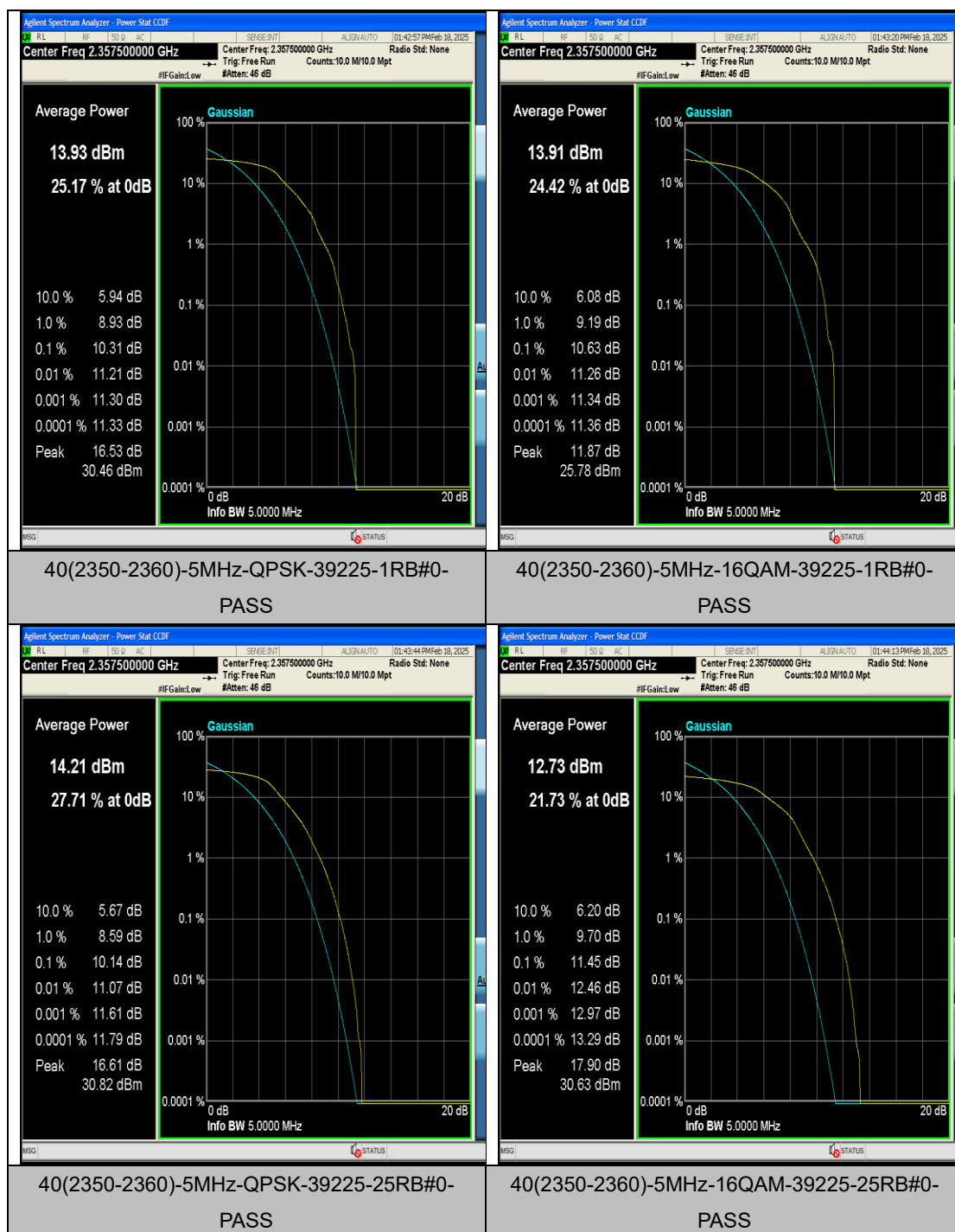
Test Result

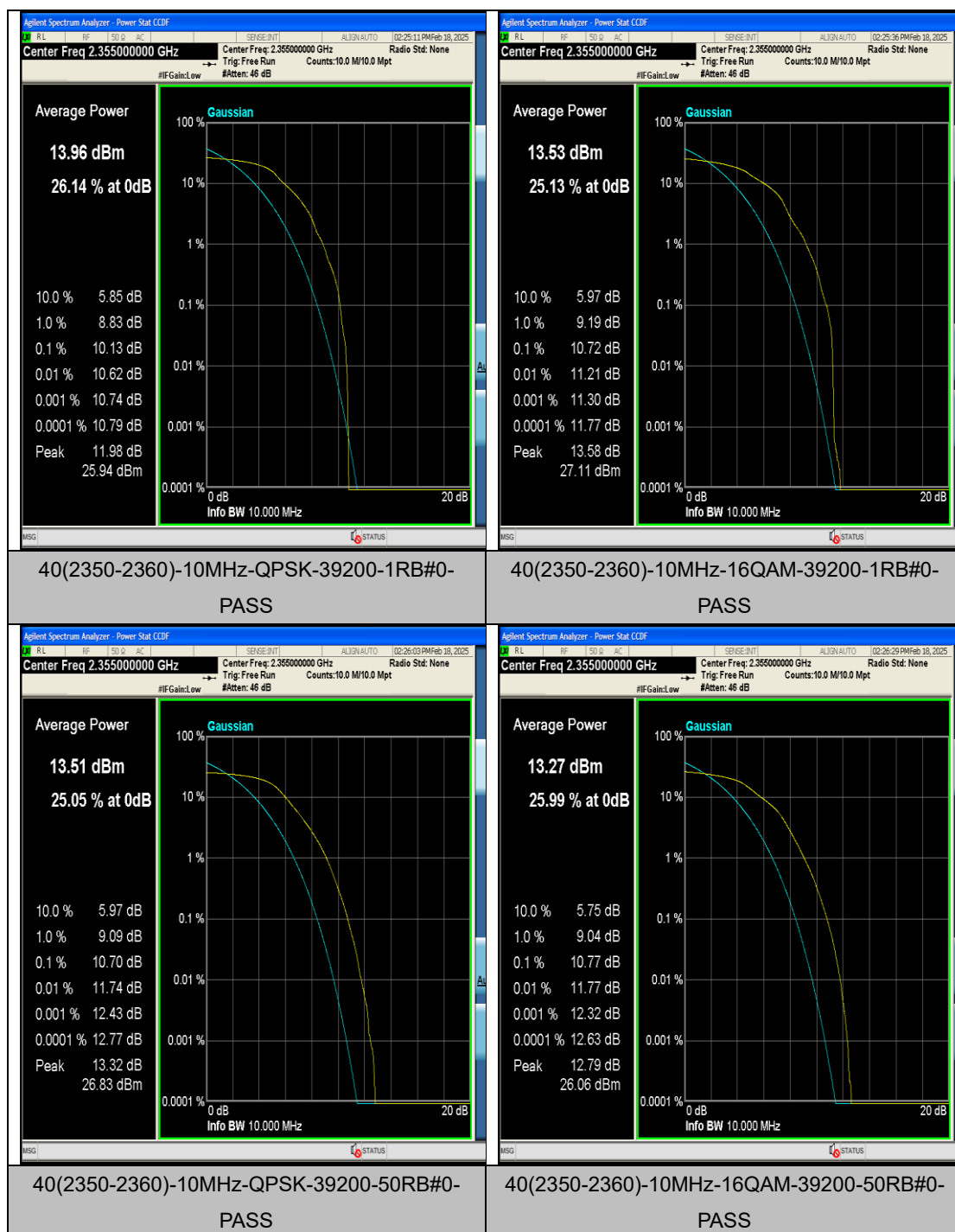
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
40(2350-2360)	5MHz	QPSK	39175	1RB#0	9.89	13	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	10.74	13	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	10.00	13	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	11.01	13	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#0	10.45	13	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#0	11.10	13	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	10.12	13	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	11.17	13	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	10.31	13	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	10.63	13	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	10.14	13	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	11.45	13	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	10.13	13	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	10.72	13	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	10.70	13	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	10.77	13	PASS

Test Graphs







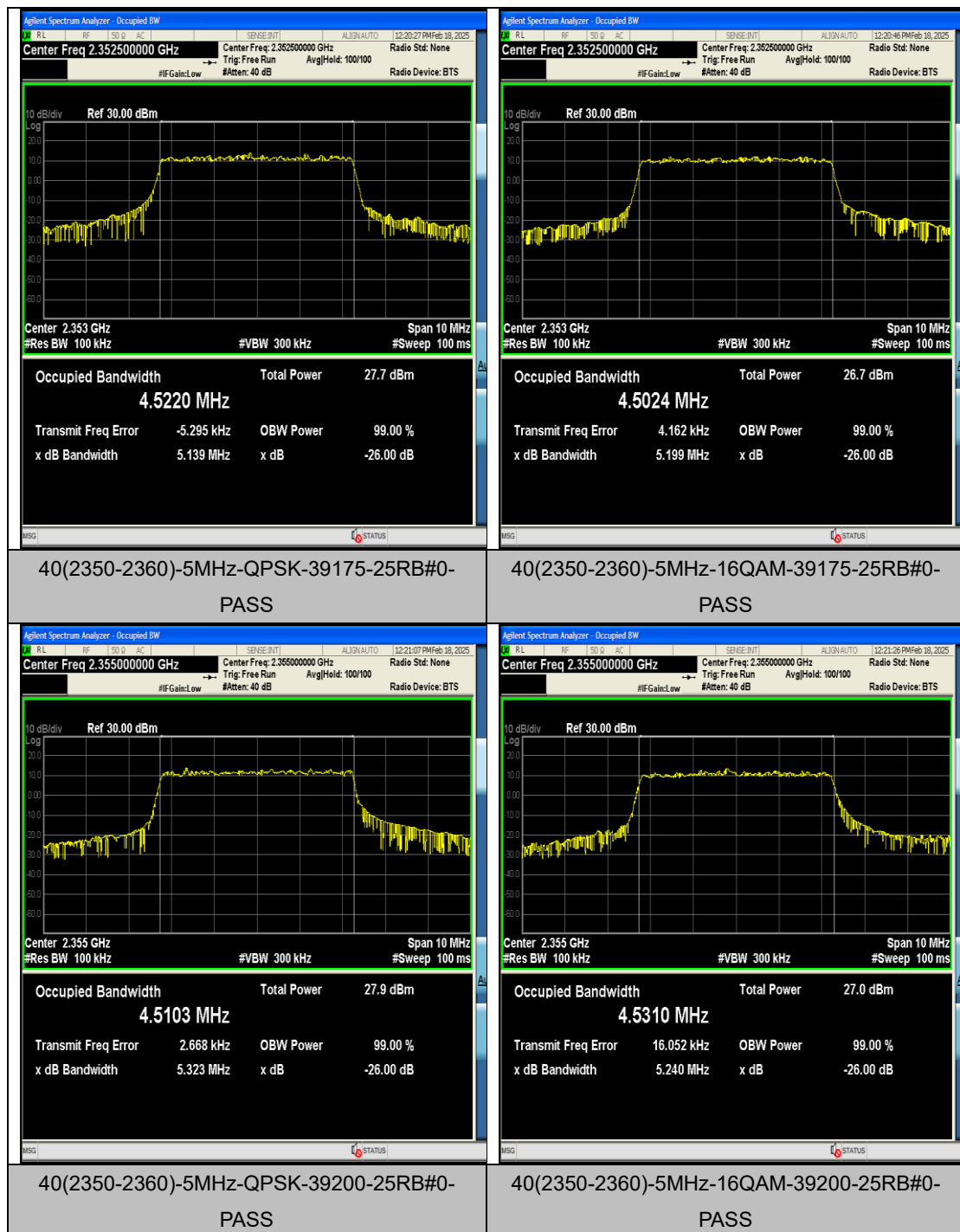


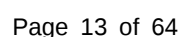
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
40(2350-2360)	5MHz	QPSK	39175	25RB#0	4.5220	5.139	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	4.5024	5.199	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	4.5103	5.323	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	4.5310	5.240	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	4.5078	4.992	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	4.5292	5.058	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	9.0263	10.16	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	9.0117	10.26	PASS

Test Graphs



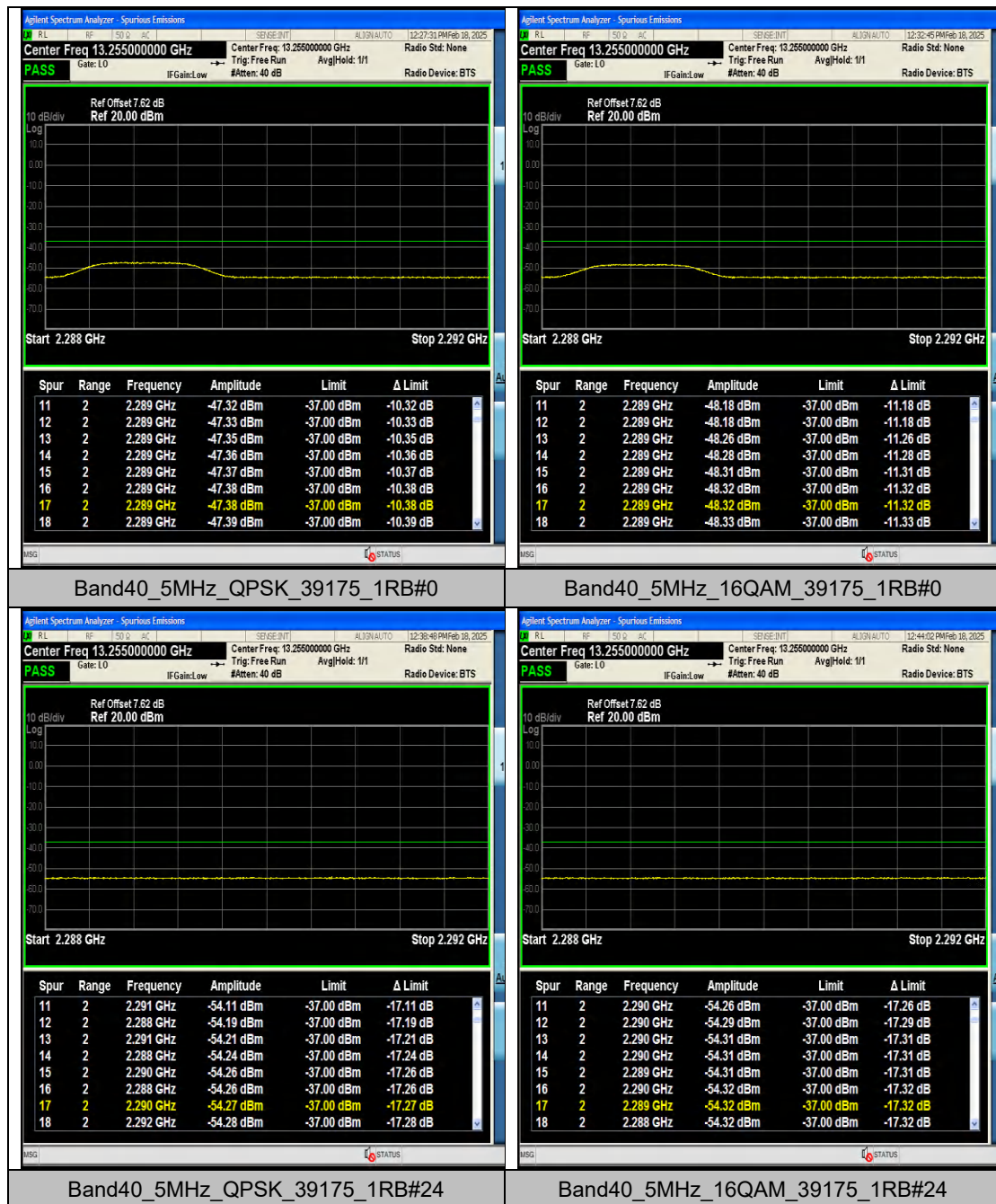


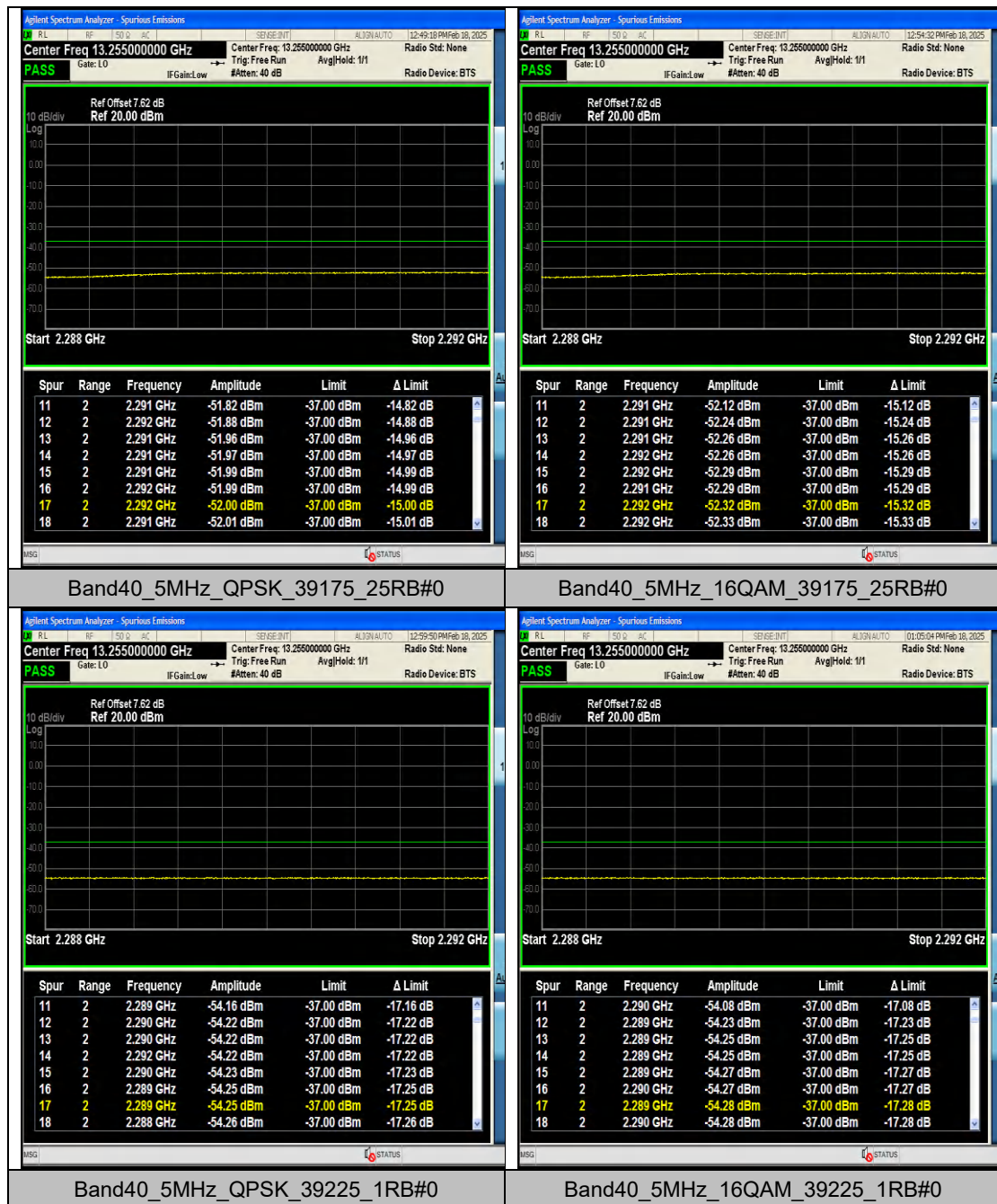
Appendix D: Band Edge

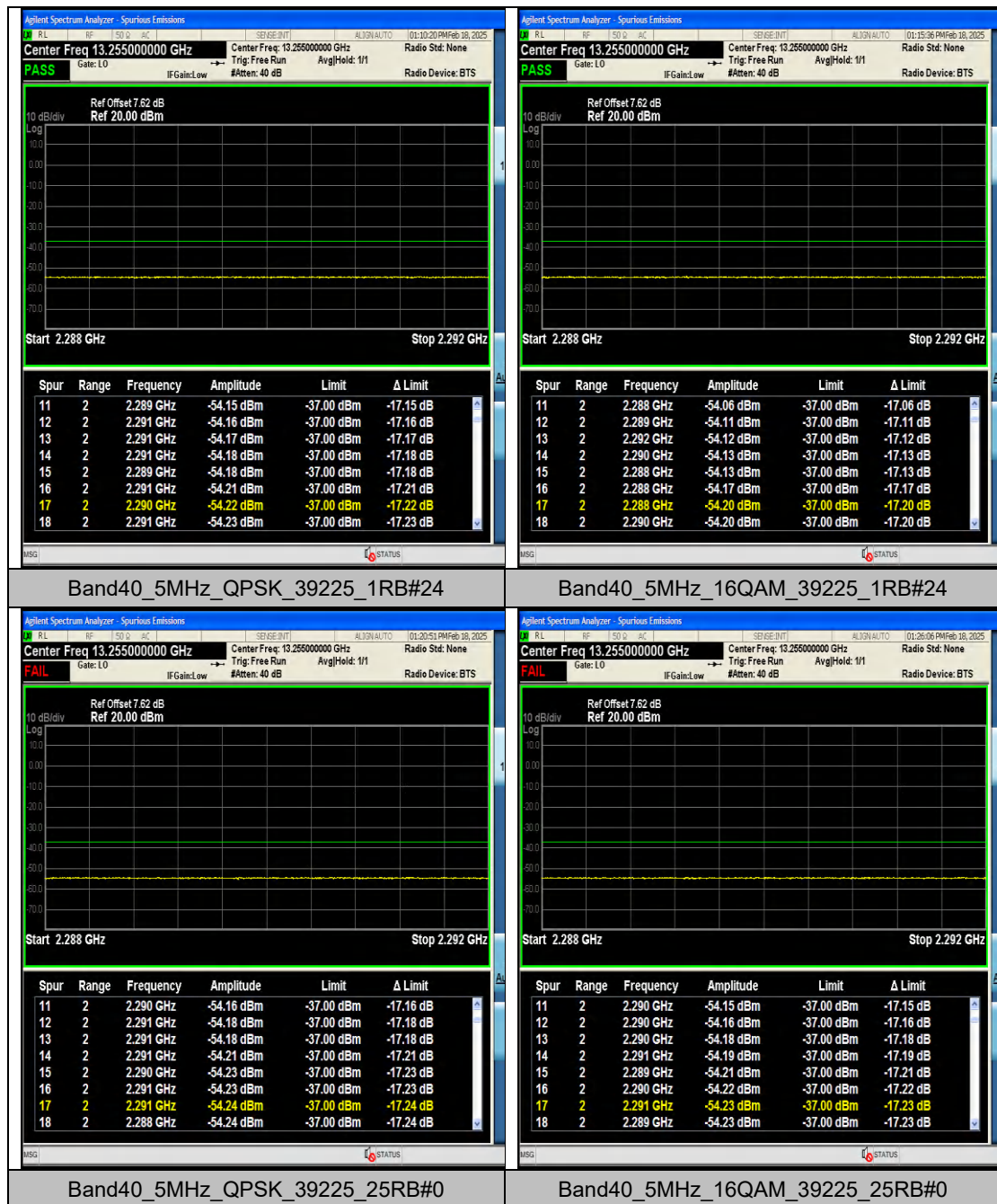
Test Result

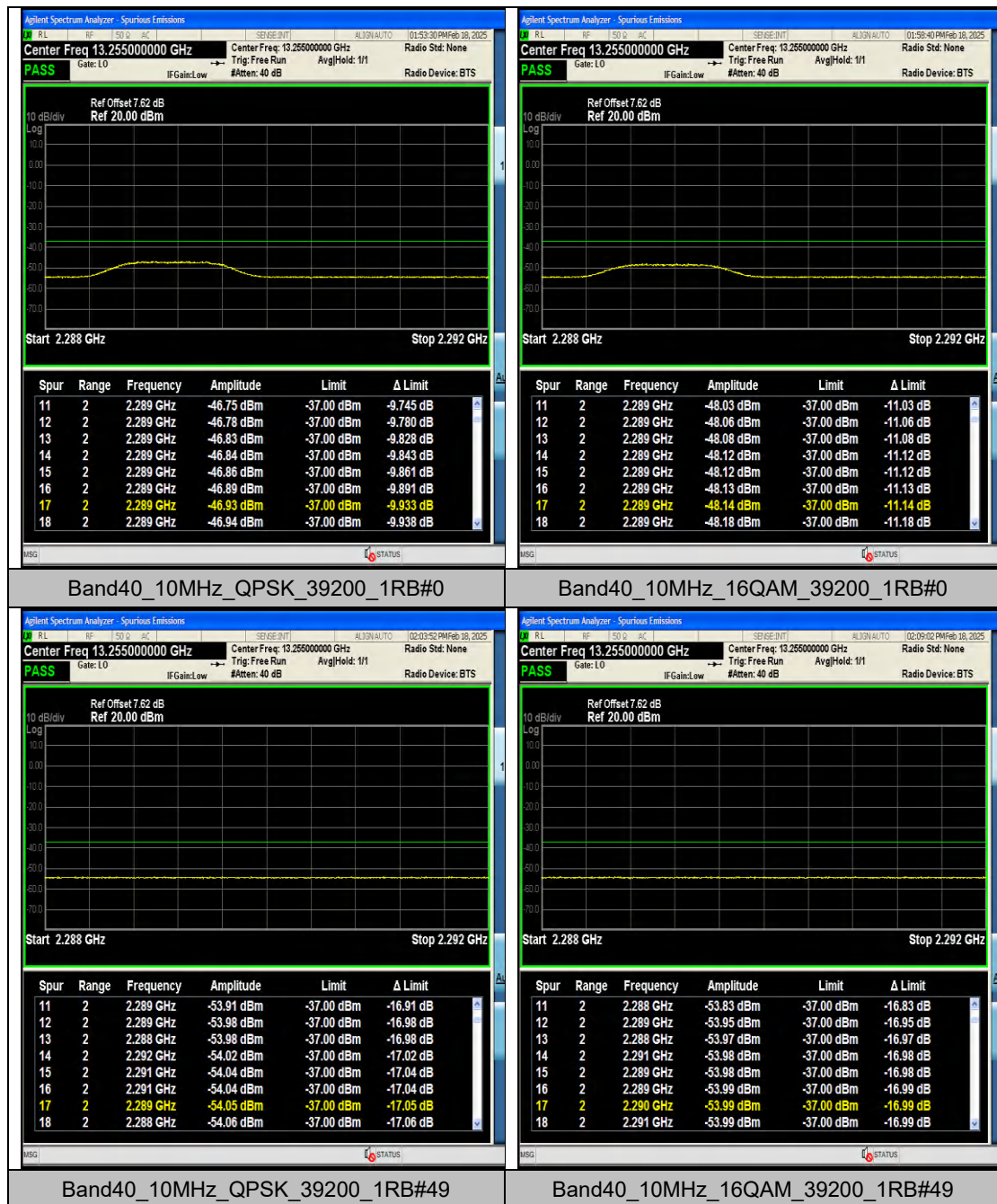
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2350-2360)	5MHz	QPSK	39175	1RB#0	-47.32	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	-48.18	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#24	-54.19	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#24	-54.15	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	-54.19	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	-54.16	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	-54.11	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	-54.10	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#24	-54.14	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#24	-54.10	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	-54.07	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	-54.14	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	-46.75	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	-48.03	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#49	-53.99	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#49	-53.90	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	-53.85	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	-53.94	PASS

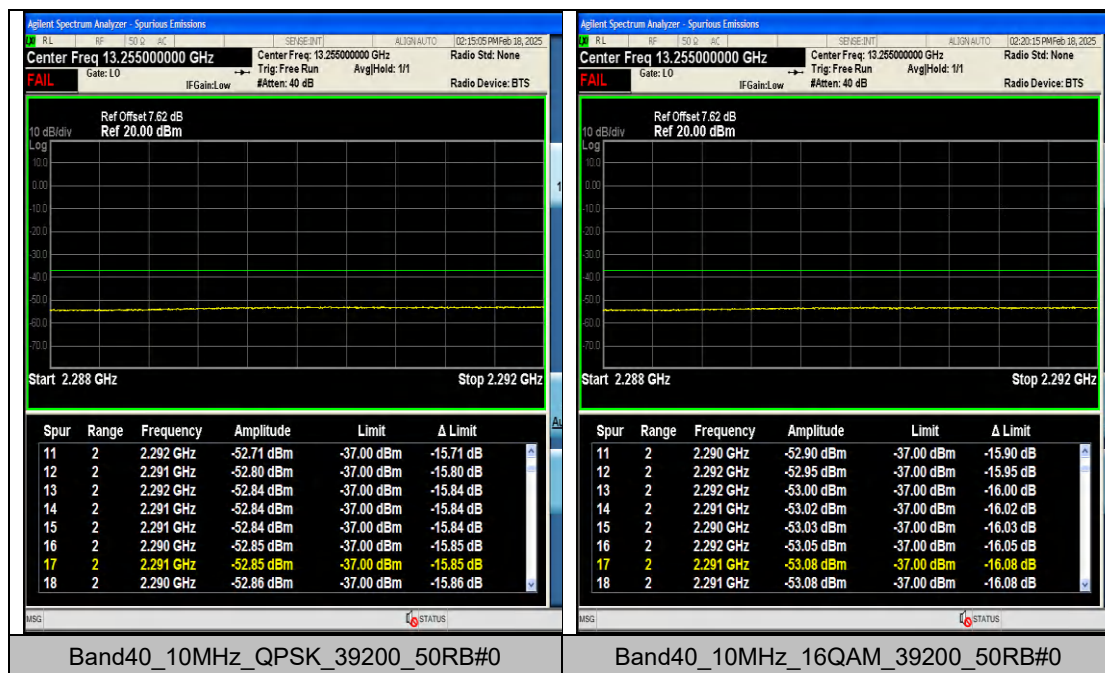
Test Graphs











Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band40	5MHz	QPSK	39175	1RB#0	Range1:30~1000MHz	-60.58	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range2:1000~2288MHz	-56.92	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range3:2288~2292MHz	-55.11	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range4:2292~2296MHz	-55.42	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range5:2296~2300MHz	-55.49	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range6:2300~2305MHz	-56.51	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range7:2320~2324MHz	-55.94	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range8:2324~2328MHz	-55.94	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range9:2328~2337MHz	-55.6	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range10:2337~2341MHz	-55.46	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range11:2341~2345MHz	-55.64	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range12:2360~2365MHz	-55.58	PASS
Band40	5MHz	QPSK	39175	1RB#0	Range13:2365~26500MHz	-41.22	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range1:30~1000MHz	-59.54	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range2:1000~2288MHz	-56.23	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range3:2288~2292MHz	-56.9	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range4:2292~2296MHz	-56.25	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range5:2296~2300MHz	-54.05	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range6:2300~2305MHz	-56.16	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range7:2320~2324MHz	-56.74	PASS

Band40	5MHz	QPSK	39200	1RB#0	Range8:2324~2328MHz	- 55.64	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range9:2328~2337MHz	- 55.57	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range10:2337~2341MHz	- 55.47	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range11:2341~2345MHz	- 55.55	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range12:2360~2365MHz	- 55.39	PASS
Band40	5MHz	QPSK	39200	1RB#0	Range13:2365~26500MHz	- 40.16	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range1:30~1000MHz	- 60.13	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range2:1000~2288MHz	- 56.94	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range3:2288~2292MHz	- 56.23	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range4:2292~2296MHz	- 56.69	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range5:2296~2300MHz	- 55.71	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range6:2300~2305MHz	- 55.28	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range7:2320~2324MHz	- 56.37	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range8:2324~2328MHz	- 57.08	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range9:2328~2337MHz	- 56.21	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range10:2337~2341MHz	- 56.75	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range11:2341~2345MHz	- 55.55	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range12:2360~2365MHz	- 55.45	PASS
Band40	5MHz	QPSK	39225	1RB#0	Range13:2365~26500MHz	- 40.63	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range1:30~1000MHz	- 60.98	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range2:1000~2288MHz	- 56.26	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range3:2288~2292MHz	- 54.84	PASS

Band40	5MHz	16QAM	39175	1RB#0	Range4:2292~2296MHz	- 56.44	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range5:2296~2300MHz	- 56.14	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range6:2300~2305MHz	- 55.81	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range7:2320~2324MHz	- 55.59	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range8:2324~2328MHz	- 55.14	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range9:2328~2337MHz	-55.5	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range10:2337~2341MHz	- 55.11	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range11:2341~2345MHz	- 55.16	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range12:2360~2365MHz	- 54.87	PASS
Band40	5MHz	16QAM	39175	1RB#0	Range13:2365~26500MHz	- 40.35	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range1:30~1000MHz	- 60.41	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range2:1000~2288MHz	- 55.66	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range3:2288~2292MHz	- 56.72	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range4:2292~2296MHz	- 55.26	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range5:2296~2300MHz	- 55.12	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range6:2300~2305MHz	- 56.16	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range7:2320~2324MHz	- 55.83	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range8:2324~2328MHz	- 56.49	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range9:2328~2337MHz	-55.6	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range10:2337~2341MHz	- 56.63	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range11:2341~2345MHz	- 55.03	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range12:2360~2365MHz	-55.9	PASS
Band40	5MHz	16QAM	39200	1RB#0	Range13:2365~26500MHz	- 40.93	PASS

Band40	5MHz	16QAM	39225	1RB#0	Range1:30~1000MHz	- 59.43	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range2:1000~2288MHz	- 55.99	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range3:2288~2292MHz	- 55.95	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range4:2292~2296MHz	- 56.15	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range5:2296~2300MHz	- 56.25	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range6:2300~2305MHz	- 56.47	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range7:2320~2324MHz	- 55.59	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range8:2324~2328MHz	- 56.79	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range9:2328~2337MHz	- 54.85	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range10:2337~2341MHz	- 54.87	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range11:2341~2345MHz	- 56.07	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range12:2360~2365MHz	- 55.75	PASS
Band40	5MHz	16QAM	39225	1RB#0	Range13:2365~26500MHz	- 41.59	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range1:30~1000MHz	- 60.75	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range2:1000~2288MHz	- 56.09	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range3:2288~2292MHz	- 55.69	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range4:2292~2296MHz	- 55.47	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range5:2296~2300MHz	-56.4	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range6:2300~2305MHz	- 55.69	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range7:2320~2324MHz	-56	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range8:2324~2328MHz	- 56.59	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range9:2328~2337MHz	-55.2	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range10:2337~2341MHz	-56.1	PASS
Band40	10MHz	QPSK	39200	1RB#0	Range11:2341~2345MHz	-	PASS

						54.43	
Band40	10MHz	QPSK	39200	1RB#0	Range12:2360~2365MHz	- 55.71	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range1:30~1000MHz	- 60.79	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range2:1000~2288MHz	- 56.79	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range3:2288~2292MHz	- 56.47	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range4:2292~2296MHz	- 55.54	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range5:2296~2300MHz	- 56.49	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range6:2300~2305MHz	- 55.62	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range7:2320~2324MHz	-55.3	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range8:2324~2328MHz	-56.7	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range9:2328~2337MHz	- 56.01	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range10:2337~2341MHz	- 55.77	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range11:2341~2345MHz	- 56.21	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range12:2360~2365MHz	- 55.04	PASS
Band40	10MHz	16QAM	39200	1RB#0	Range13:2365~26500MHz	- 41.01	PASS

Test Graphs

