

FCC Appendix RF Test Data for LTE Band 41

FCC ID : 2A3DR-AGMN2

Company : AGM MOBILE LIMITED

EUT : 4G smart Phone

Model Number : AGM_NOTE_N2

Report No. : CTA26041102311

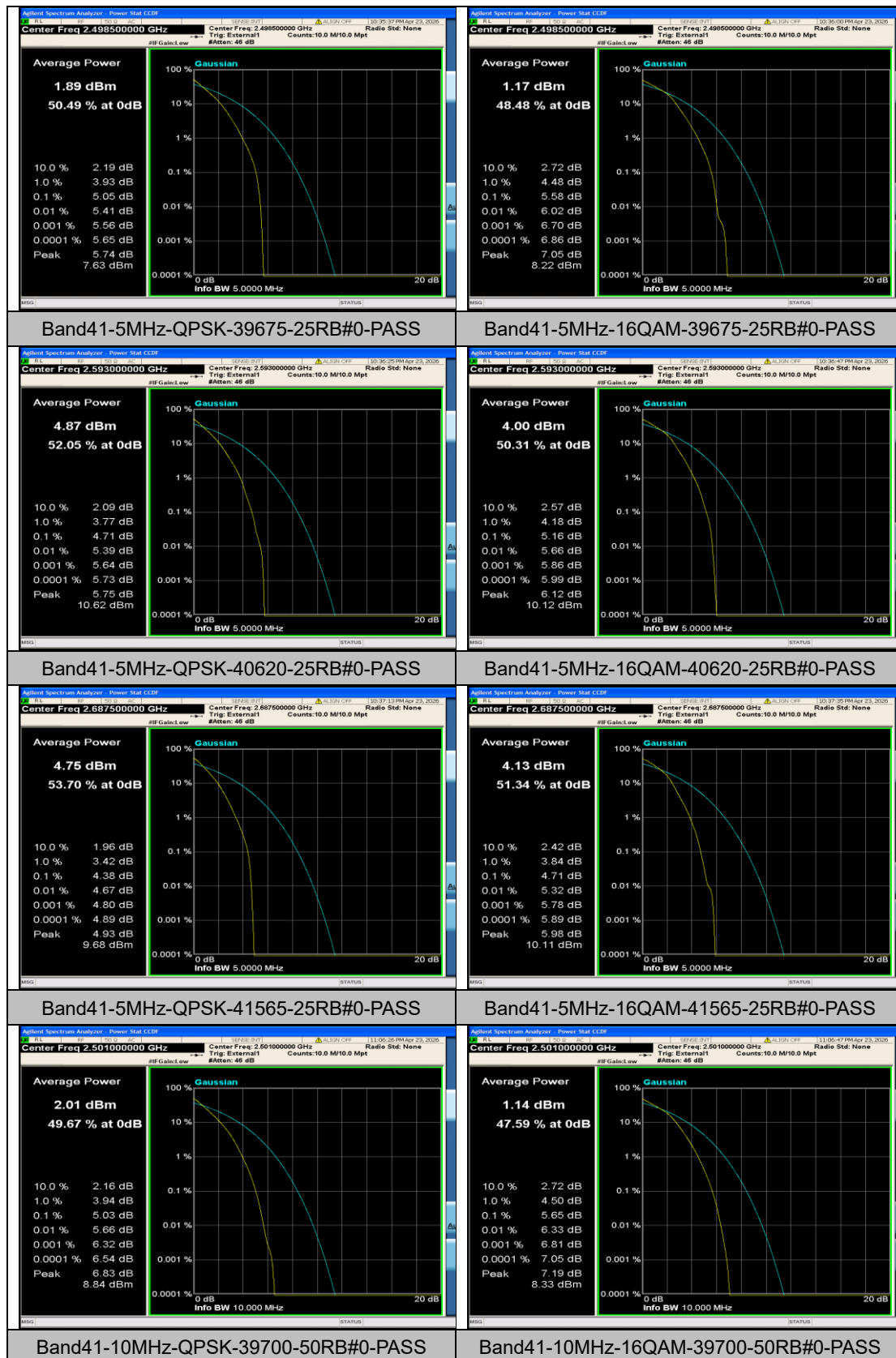
Reviewed By : Eric Wang

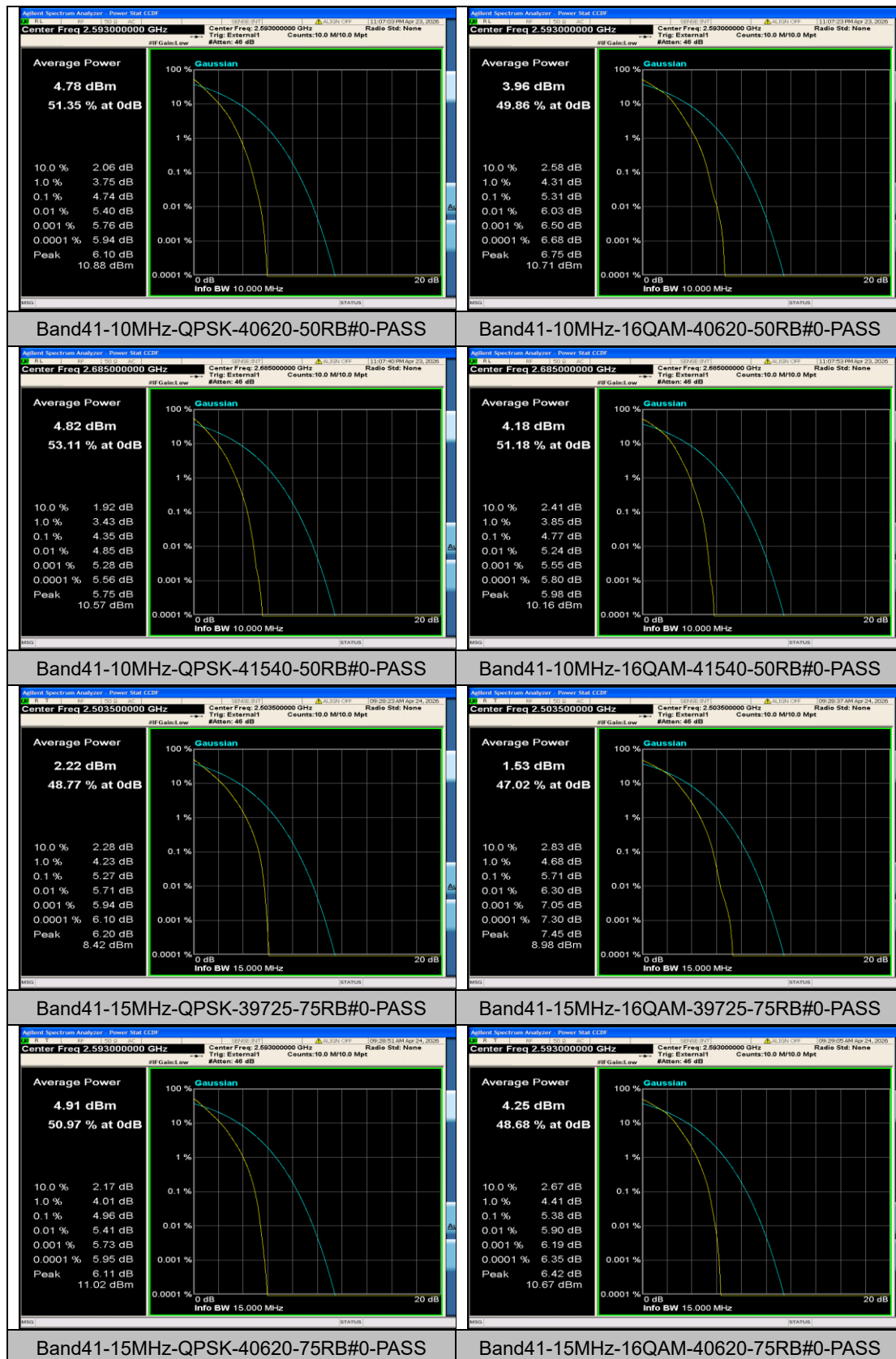
Appendix A: Peak-to-Average Ratio(CCDF)

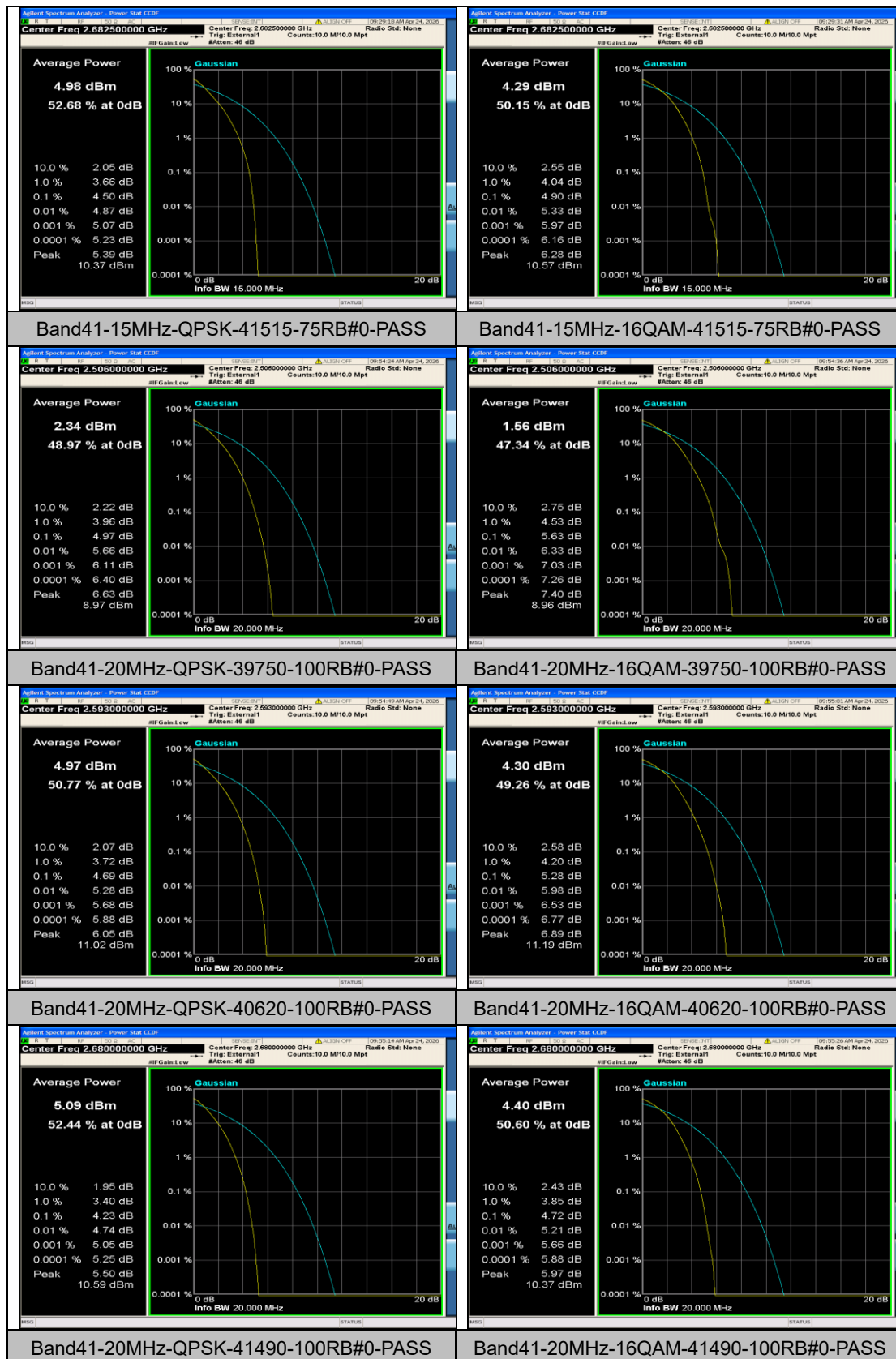
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.05	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	5.58	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.71	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	5.16	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.38	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.71	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.03	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	5.65	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	4.74	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	5.31	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	4.35	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	4.77	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.27	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	5.71	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	4.96	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	5.38	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	4.50	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	4.90	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	4.97	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.63	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	4.69	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	5.28	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	4.23	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	4.72	13	PASS

Test Graphs





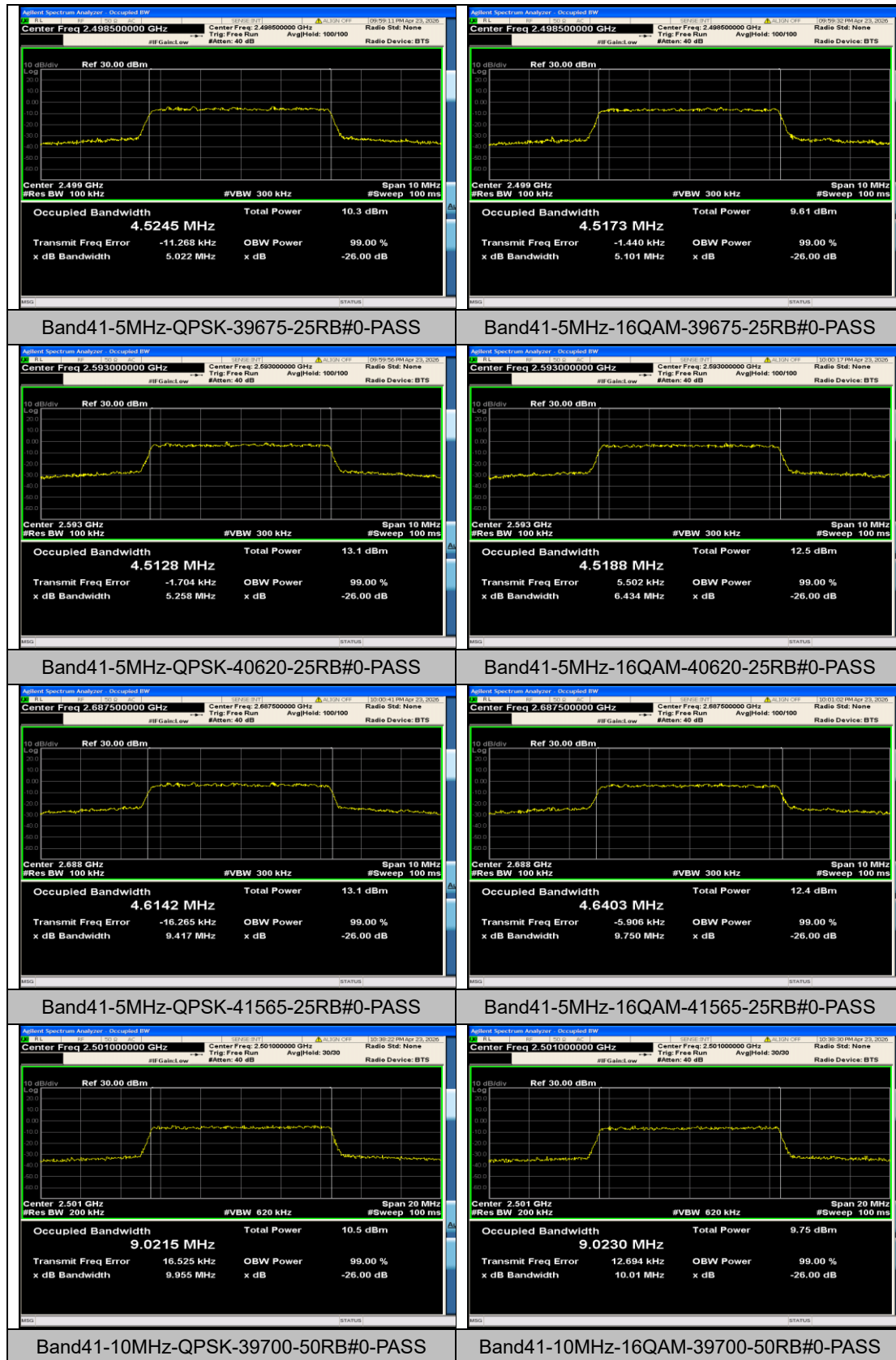


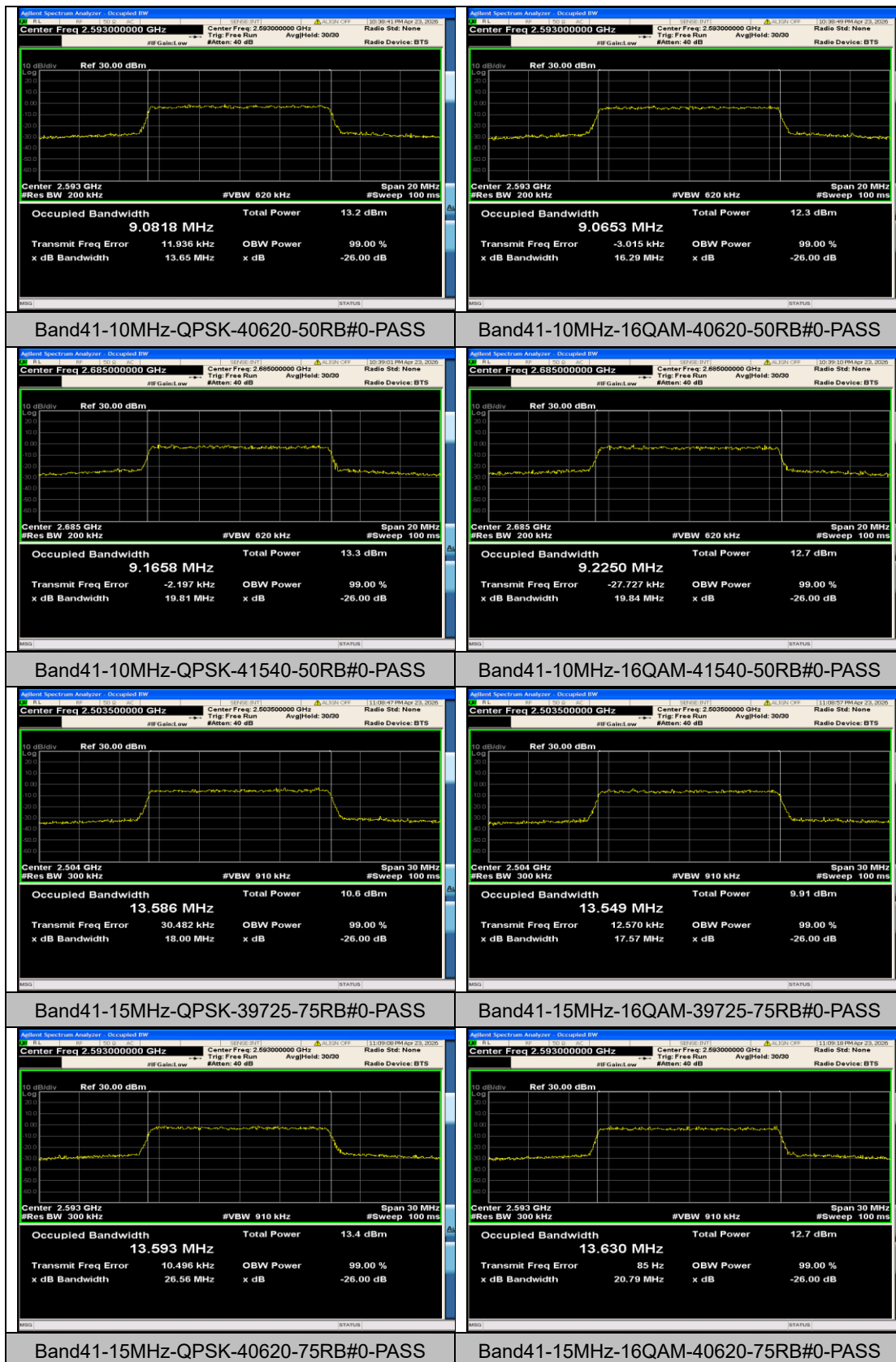
Appendix B: 26dB Bandwidth and Occupied Bandwidth

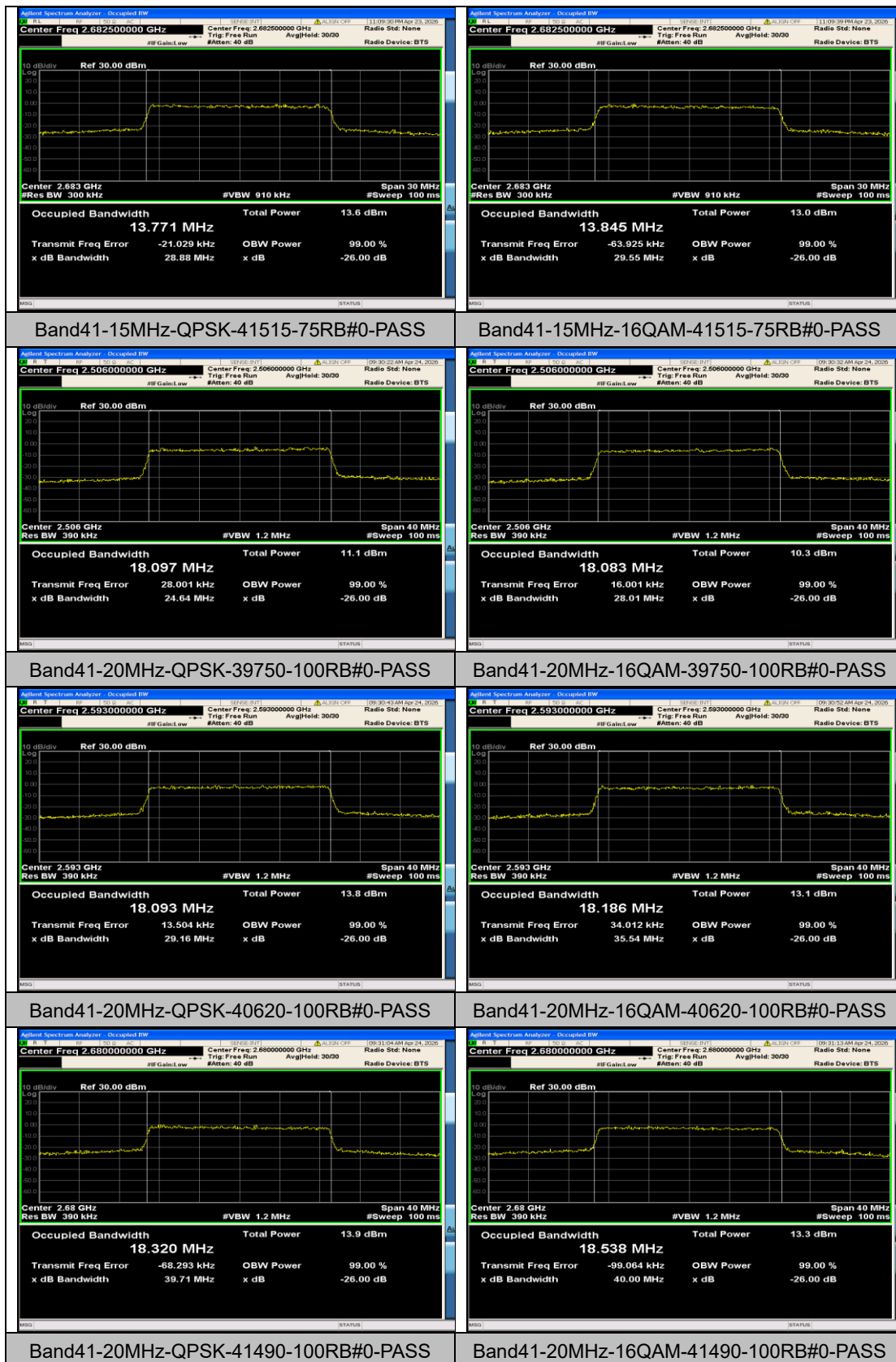
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5245	5.022	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5173	5.101	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5128	5.258	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5188	6.434	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.6142	9.417	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.6403	9.750	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.0215	9.955	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.0230	10.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.0818	13.65	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0653	16.29	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.1658	19.81	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.2250	19.84	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.586	18.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.549	17.57	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.593	26.56	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.630	20.79	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.771	28.88	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.845	29.55	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.097	24.64	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.083	28.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.093	29.16	PASS
Band41	20MHz	16QAM	40620	100RB#0	18.186	35.54	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.320	39.71	PASS
Band41	20MHz	16QAM	41490	100RB#0	18.538	40.00	PASS

Test Graphs





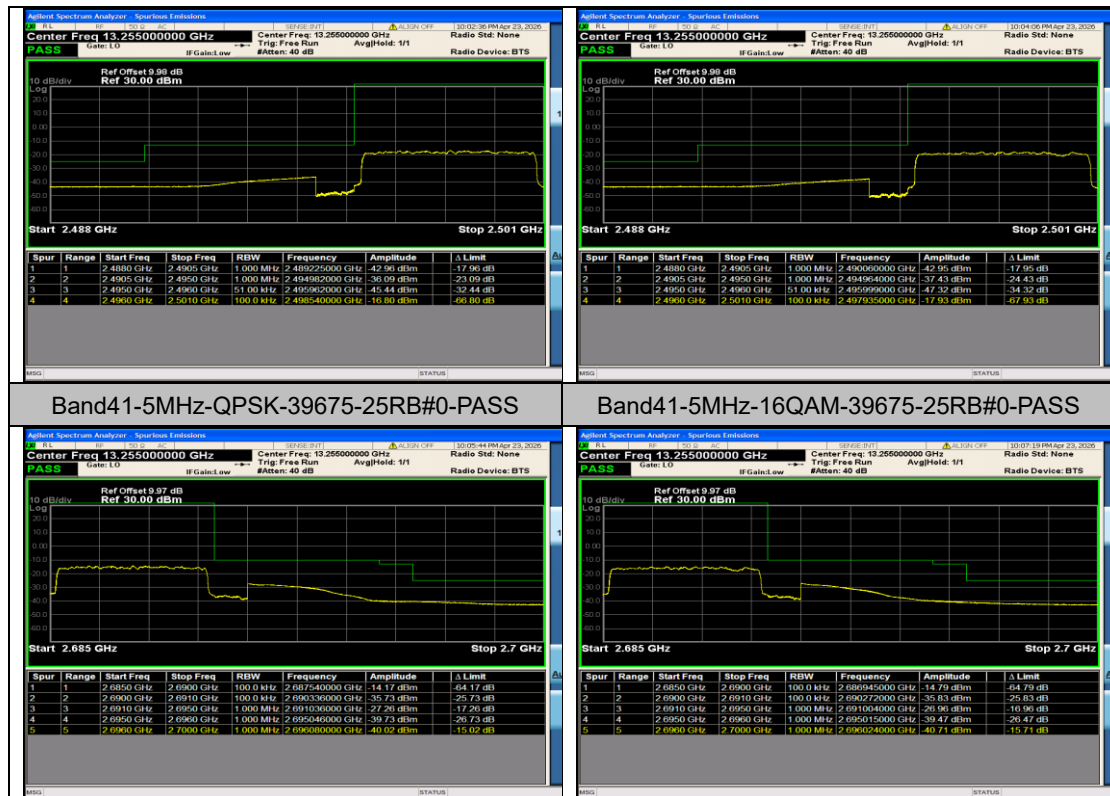


Appendix C: Band Edge

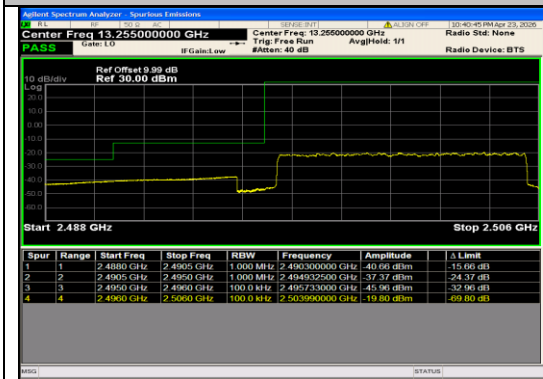
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	-42.96	PASS
Band41	5MHz	16QAM	39675	25RB#0	-42.95	PASS
Band41	5MHz	QPSK	41565	25RB#0	-40.02	PASS
Band41	5MHz	16QAM	41565	25RB#0	-40.71	PASS
Band41	10MHz	QPSK	39700	50RB#0	-40.66	PASS
Band41	10MHz	16QAM	39700	50RB#0	-41.34	PASS
Band41	10MHz	QPSK	41540	50RB#0	-41.17	PASS
Band41	10MHz	16QAM	41540	50RB#0	-40.61	PASS
Band41	15MHz	QPSK	39725	75RB#0	-39.48	PASS
Band41	15MHz	16QAM	39725	75RB#0	-40.36	PASS
Band41	15MHz	QPSK	41515	75RB#0	-41.48	PASS
Band41	15MHz	16QAM	41515	75RB#0	-41.64	PASS
Band41	20MHz	QPSK	39750	100RB#0	-40.45	PASS
Band41	20MHz	16QAM	39750	100RB#0	-40.87	PASS
Band41	20MHz	QPSK	41490	100RB#0	-41.97	PASS
Band41	20MHz	16QAM	41490	100RB#0	-41.85	PASS

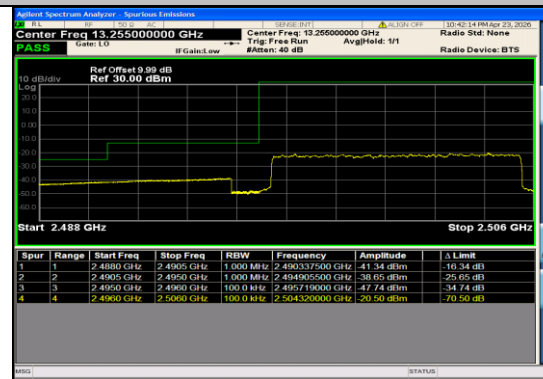
Test Graphs



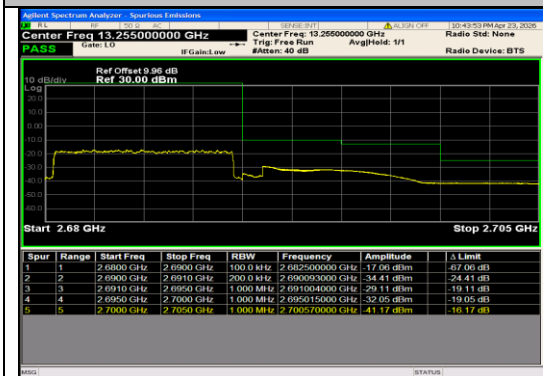
Band41-5MHz-QPSK-41565-25RB#0-PASS



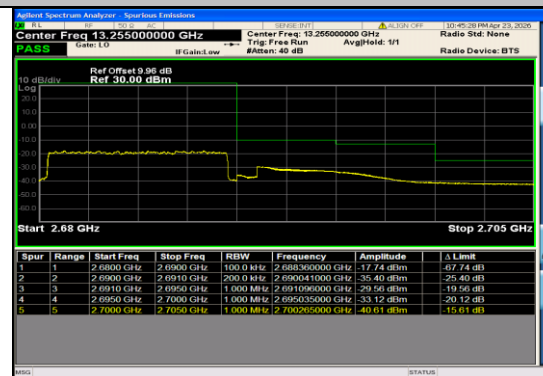
Band41-5MHz-16QAM-41565-25RB#0-PASS



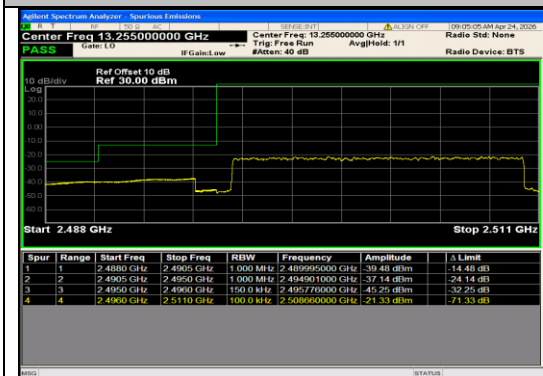
Band41-10MHz-QPSK-39700-50RB#0-PASS



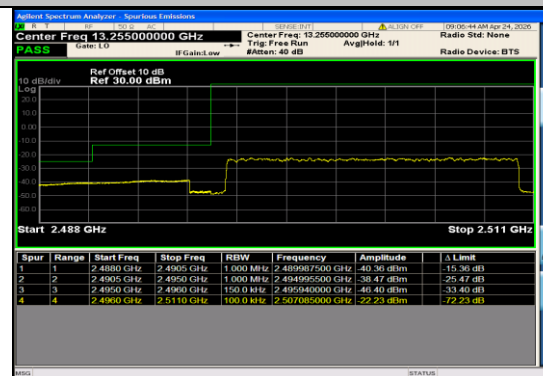
Band41-10MHz-16QAM-39700-50RB#0-PASS



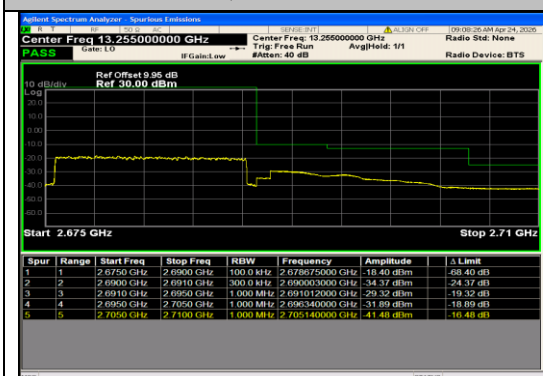
Band41-10MHz-QPSK-41540-50RB#0-PASS



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



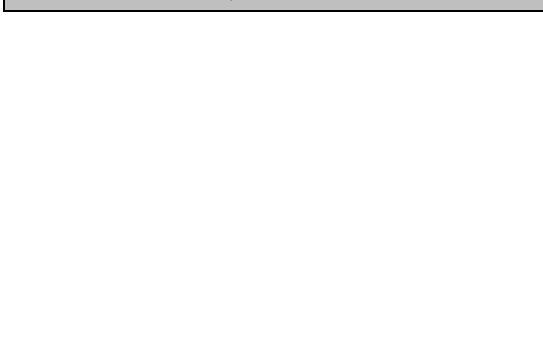
Band41-15MHz-QPSK-39725-75RB#0-PASS



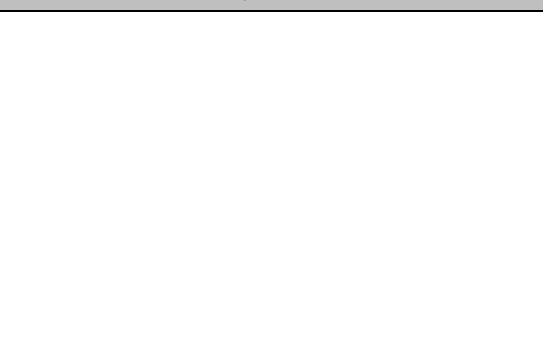
Band41-15MHz-16QAM-39725-75RB#0-PASS

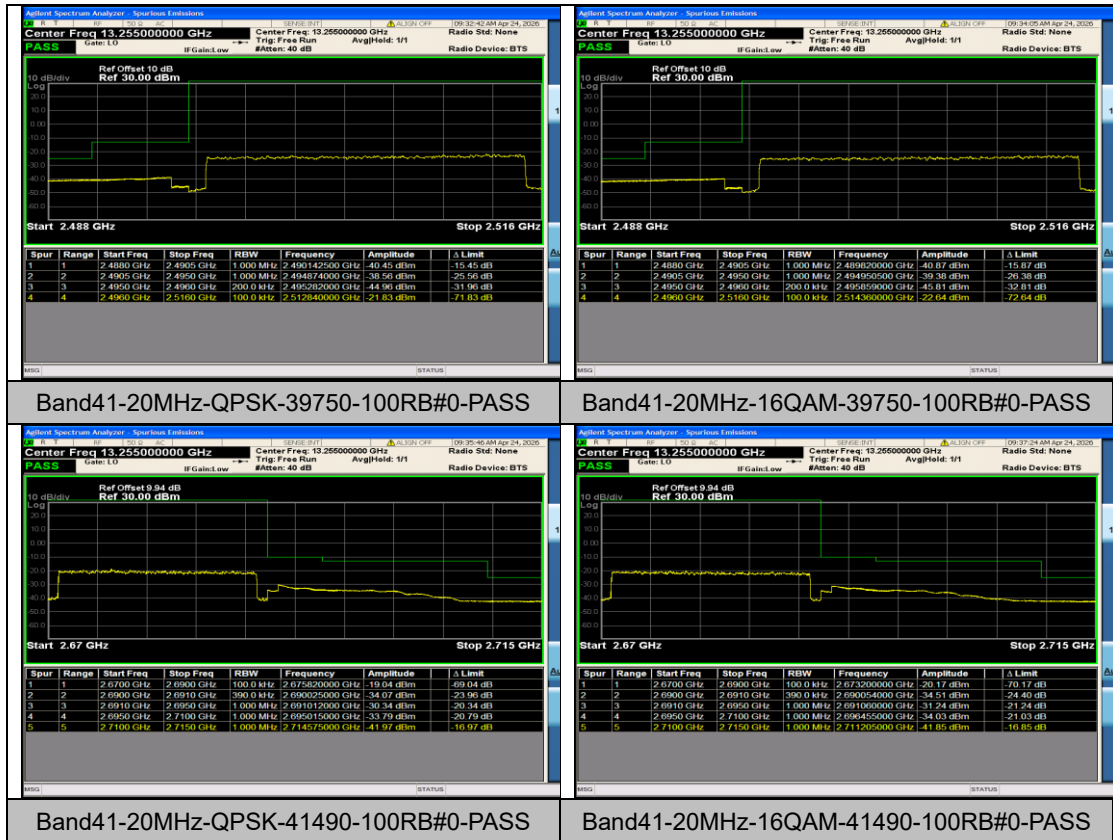


Band41-15MHz-QPSK-41515-75RB#0-PASS



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





Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 0.34 dB
Ref 30.00 dBm

Start 2.67 GHz

Stop 2.715 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6700 GHz	2.6900 GHz	100.0 kHz	2.675820000 GHz	-19.04 dBm	-69.04 dB
2	2	2.6900 GHz	2.6910 GHz	300.0 kHz	2.690825000 GHz	-34.07 dBm	-23.96 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691012000 GHz	-30.34 dBm	-20.34 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.695015000 GHz	-33.79 dBm	-20.79 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.714575000 GHz	-41.97 dBm	-16.97 dB

Band41-20MHz-QPSK-41490-100RB#0-PASS

Agilent Spectrum Analyzer - Spurious Emissions

Center Freq 13.255000000 GHz

Ref Offset 0.34 dB
Ref 30.00 dBm

Start 2.67 GHz

Stop 2.715 GHz

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	2.6700 GHz	2.6900 GHz	100.0 kHz	2.673200000 GHz	-20.17 dBm	-70.17 dB
2	2	2.6900 GHz	2.6910 GHz	300.0 kHz	2.690825000 GHz	-34.54 dBm	-24.40 dB
3	3	2.6910 GHz	2.6950 GHz	1.000 MHz	2.691000000 GHz	-31.24 dBm	-21.24 dB
4	4	2.6950 GHz	2.7100 GHz	1.000 MHz	2.696455000 GHz	-34.03 dBm	-21.03 dB
5	5	2.7100 GHz	2.7150 GHz	1.000 MHz	2.711205000 GHz	-41.85 dBm	-16.85 dB

Band41-20MHz-16QAM-41490-100RB#0-PASS

Appendix D: 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	-71.54	PASS
Band41	5MHz	QPSK	39675	25RB#0	0.15~30	-61.68	PASS
Band41	5MHz	QPSK	39675	25RB#0	30~1000	-58.56	PASS
Band41	5MHz	QPSK	39675	25RB#0	1000~3000	-48.46	PASS
Band41	5MHz	QPSK	39675	25RB#0	3000~18000	-38.63	PASS
Band41	5MHz	QPSK	39675	25RB#0	18000~27000	-32.23	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.009~0.15	-71.22	PASS
Band41	5MHz	16QAM	39675	25RB#0	0.15~30	-62.29	PASS
Band41	5MHz	16QAM	39675	25RB#0	30~1000	-57.99	PASS
Band41	5MHz	16QAM	39675	25RB#0	1000~3000	-48.50	PASS
Band41	5MHz	16QAM	39675	25RB#0	3000~18000	-38.51	PASS
Band41	5MHz	16QAM	39675	25RB#0	18000~27000	-31.99	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.009~0.15	-71.56	PASS
Band41	5MHz	QPSK	40620	25RB#0	0.15~30	-61.20	PASS
Band41	5MHz	QPSK	40620	25RB#0	30~1000	-58.49	PASS
Band41	5MHz	QPSK	40620	25RB#0	1000~3000	-48.77	PASS
Band41	5MHz	QPSK	40620	25RB#0	3000~18000	-38.55	PASS
Band41	5MHz	QPSK	40620	25RB#0	18000~27000	-31.59	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.009~0.15	-70.75	PASS
Band41	5MHz	16QAM	40620	25RB#0	0.15~30	-59.91	PASS
Band41	5MHz	16QAM	40620	25RB#0	30~1000	-57.66	PASS
Band41	5MHz	16QAM	40620	25RB#0	1000~3000	-48.58	PASS
Band41	5MHz	16QAM	40620	25RB#0	3000~18000	-38.72	PASS
Band41	5MHz	16QAM	40620	25RB#0	18000~27000	-32.10	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.009~0.15	-70.50	PASS
Band41	5MHz	QPSK	41565	25RB#0	0.15~30	-57.35	PASS
Band41	5MHz	QPSK	41565	25RB#0	30~1000	-57.98	PASS
Band41	5MHz	QPSK	41565	25RB#0	1000~3000	-47.45	PASS
Band41	5MHz	QPSK	41565	25RB#0	3000~18000	-38.54	PASS
Band41	5MHz	QPSK	41565	25RB#0	18000~27000	-32.06	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.009~0.15	-69.87	PASS
Band41	5MHz	16QAM	41565	25RB#0	0.15~30	-61.70	PASS
Band41	5MHz	16QAM	41565	25RB#0	30~1000	-58.74	PASS
Band41	5MHz	16QAM	41565	25RB#0	1000~3000	-47.80	PASS
Band41	5MHz	16QAM	41565	25RB#0	3000~18000	-38.34	PASS
Band41	5MHz	16QAM	41565	25RB#0	18000~27000	-31.98	PASS

Band41	10MHz	QPSK	39700	50RB#0	0.009~0.15	-70.46	PASS
Band41	10MHz	QPSK	39700	50RB#0	0.15~30	-60.62	PASS
Band41	10MHz	QPSK	39700	50RB#0	30~1000	-58.82	PASS
Band41	10MHz	QPSK	39700	50RB#0	1000~3000	-48.49	PASS
Band41	10MHz	QPSK	39700	50RB#0	3000~18000	-38.43	PASS
Band41	10MHz	QPSK	39700	50RB#0	18000~27000	-31.73	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.009~0.15	-70.47	PASS
Band41	10MHz	16QAM	39700	50RB#0	0.15~30	-58.12	PASS
Band41	10MHz	16QAM	39700	50RB#0	30~1000	-58.79	PASS
Band41	10MHz	16QAM	39700	50RB#0	1000~3000	-48.48	PASS
Band41	10MHz	16QAM	39700	50RB#0	3000~18000	-38.51	PASS
Band41	10MHz	16QAM	39700	50RB#0	18000~27000	-31.74	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.009~0.15	-71.25	PASS
Band41	10MHz	QPSK	40620	50RB#0	0.15~30	-59.32	PASS
Band41	10MHz	QPSK	40620	50RB#0	30~1000	-58.92	PASS
Band41	10MHz	QPSK	40620	50RB#0	1000~3000	-48.55	PASS
Band41	10MHz	QPSK	40620	50RB#0	3000~18000	-38.20	PASS
Band41	10MHz	QPSK	40620	50RB#0	18000~27000	-31.87	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.009~0.15	-68.97	PASS
Band41	10MHz	16QAM	40620	50RB#0	0.15~30	-59.77	PASS
Band41	10MHz	16QAM	40620	50RB#0	30~1000	-58.40	PASS
Band41	10MHz	16QAM	40620	50RB#0	1000~3000	-48.22	PASS
Band41	10MHz	16QAM	40620	50RB#0	3000~18000	-38.54	PASS
Band41	10MHz	16QAM	40620	50RB#0	18000~27000	-31.98	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.009~0.15	-70.45	PASS
Band41	10MHz	QPSK	41540	50RB#0	0.15~30	-61.22	PASS
Band41	10MHz	QPSK	41540	50RB#0	30~1000	-58.81	PASS
Band41	10MHz	QPSK	41540	50RB#0	1000~3000	-45.06	PASS
Band41	10MHz	QPSK	41540	50RB#0	3000~18000	-38.21	PASS
Band41	10MHz	QPSK	41540	50RB#0	18000~27000	-31.80	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.009~0.15	-70.68	PASS
Band41	10MHz	16QAM	41540	50RB#0	0.15~30	-61.88	PASS
Band41	10MHz	16QAM	41540	50RB#0	30~1000	-58.99	PASS
Band41	10MHz	16QAM	41540	50RB#0	1000~3000	-46.47	PASS
Band41	10MHz	16QAM	41540	50RB#0	3000~18000	-38.40	PASS
Band41	10MHz	16QAM	41540	50RB#0	18000~27000	-32.02	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.009~0.15	-71.08	PASS
Band41	15MHz	QPSK	39725	75RB#0	0.15~30	-61.10	PASS
Band41	15MHz	QPSK	39725	75RB#0	30~1000	-57.58	PASS
Band41	15MHz	QPSK	39725	75RB#0	1000~3000	-43.34	PASS
Band41	15MHz	QPSK	39725	75RB#0	3000~18000	-38.98	PASS
Band41	15MHz	QPSK	39725	75RB#0	18000~27000	-32.40	PASS
Band41	15MHz	16QAM	39725	75RB#0	0.009~0.15	-70.09	PASS

Band41	15MHz	16QAM	39725	75RB#0	0.15~30	-62.09	PASS
Band41	15MHz	16QAM	39725	75RB#0	30~1000	-58.35	PASS
Band41	15MHz	16QAM	39725	75RB#0	1000~3000	-43.48	PASS
Band41	15MHz	16QAM	39725	75RB#0	3000~18000	-38.80	PASS
Band41	15MHz	16QAM	39725	75RB#0	18000~27000	-32.31	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.009~0.15	-69.50	PASS
Band41	15MHz	QPSK	40620	75RB#0	0.15~30	-62.05	PASS
Band41	15MHz	QPSK	40620	75RB#0	30~1000	-58.81	PASS
Band41	15MHz	QPSK	40620	75RB#0	1000~3000	-48.69	PASS
Band41	15MHz	QPSK	40620	75RB#0	3000~18000	-38.83	PASS
Band41	15MHz	QPSK	40620	75RB#0	18000~27000	-32.15	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.009~0.15	-71.57	PASS
Band41	15MHz	16QAM	40620	75RB#0	0.15~30	-60.42	PASS
Band41	15MHz	16QAM	40620	75RB#0	30~1000	-58.32	PASS
Band41	15MHz	16QAM	40620	75RB#0	1000~3000	-48.85	PASS
Band41	15MHz	16QAM	40620	75RB#0	3000~18000	-38.82	PASS
Band41	15MHz	16QAM	40620	75RB#0	18000~27000	-31.98	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.009~0.15	-68.50	PASS
Band41	15MHz	QPSK	41515	75RB#0	0.15~30	-61.30	PASS
Band41	15MHz	QPSK	41515	75RB#0	30~1000	-58.69	PASS
Band41	15MHz	QPSK	41515	75RB#0	1000~3000	-44.92	PASS
Band41	15MHz	QPSK	41515	75RB#0	3000~18000	-38.62	PASS
Band41	15MHz	QPSK	41515	75RB#0	18000~27000	-32.20	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.009~0.15	-70.94	PASS
Band41	15MHz	16QAM	41515	75RB#0	0.15~30	-61.57	PASS
Band41	15MHz	16QAM	41515	75RB#0	30~1000	-58.20	PASS
Band41	15MHz	16QAM	41515	75RB#0	1000~3000	-46.34	PASS
Band41	15MHz	16QAM	41515	75RB#0	3000~18000	-38.83	PASS
Band41	15MHz	16QAM	41515	75RB#0	18000~27000	-31.96	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.009~0.15	-71.01	PASS
Band41	20MHz	QPSK	39750	100RB#0	0.15~30	-59.07	PASS
Band41	20MHz	QPSK	39750	100RB#0	30~1000	-56.57	PASS
Band41	20MHz	QPSK	39750	100RB#0	1000~3000	-41.16	PASS
Band41	20MHz	QPSK	39750	100RB#0	3000~18000	-38.47	PASS
Band41	20MHz	QPSK	39750	100RB#0	18000~27000	-31.96	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.009~0.15	-70.53	PASS
Band41	20MHz	16QAM	39750	100RB#0	0.15~30	-59.82	PASS
Band41	20MHz	16QAM	39750	100RB#0	30~1000	-58.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	1000~3000	-42.93	PASS
Band41	20MHz	16QAM	39750	100RB#0	3000~18000	-38.96	PASS
Band41	20MHz	16QAM	39750	100RB#0	18000~27000	-32.22	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.009~0.15	-70.19	PASS
Band41	20MHz	QPSK	40620	100RB#0	0.15~30	-62.12	PASS

Band41	20MHz	QPSK	40620	100RB#0	30~1000	-58.39	PASS
Band41	20MHz	QPSK	40620	100RB#0	1000~3000	-48.41	PASS
Band41	20MHz	QPSK	40620	100RB#0	3000~18000	-38.49	PASS
Band41	20MHz	QPSK	40620	100RB#0	18000~27000	-31.70	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.009~0.15	-71.13	PASS
Band41	20MHz	16QAM	40620	100RB#0	0.15~30	-59.06	PASS
Band41	20MHz	16QAM	40620	100RB#0	30~1000	-58.11	PASS
Band41	20MHz	16QAM	40620	100RB#0	1000~3000	-48.74	PASS
Band41	20MHz	16QAM	40620	100RB#0	3000~18000	-38.74	PASS
Band41	20MHz	16QAM	40620	100RB#0	18000~27000	-31.94	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.009~0.15	-70.63	PASS
Band41	20MHz	QPSK	41490	100RB#0	0.15~30	-60.53	PASS
Band41	20MHz	QPSK	41490	100RB#0	30~1000	-58.26	PASS
Band41	20MHz	QPSK	41490	100RB#0	1000~3000	-45.22	PASS
Band41	20MHz	QPSK	41490	100RB#0	3000~18000	-38.09	PASS
Band41	20MHz	QPSK	41490	100RB#0	18000~27000	-31.99	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.009~0.15	-69.51	PASS
Band41	20MHz	16QAM	41490	100RB#0	0.15~30	-58.11	PASS
Band41	20MHz	16QAM	41490	100RB#0	30~1000	-58.19	PASS
Band41	20MHz	16QAM	41490	100RB#0	1000~3000	-45.88	PASS
Band41	20MHz	16QAM	41490	100RB#0	3000~18000	-38.67	PASS
Band41	20MHz	16QAM	41490	100RB#0	18000~27000	-31.73	PASS

Test Graphs

