

Appendix Test Data for LTE Band 26(814-824) (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: AGM

Test Model: M10

FCC ID: 2A3DR-M10

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A:RF output power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	22.61	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	22.77	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#2	22.67	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#2	22.77	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#5	22.71	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#5	22.67	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#0	22.75	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#0	22.03	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#1	22.74	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#1	22.02	PASS
Band26(814-824)	1.4MHz	QPSK	26697	3RB#3	22.75	PASS
Band26(814-824)	1.4MHz	16QAM	26697	3RB#3	22.01	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	22.29	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	21.96	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	22.69	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	22.43	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#2	22.71	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#2	22.33	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#5	22.80	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#5	22.42	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#0	22.71	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#0	22.66	PASS

Band26(814-824)	1.4MHz	QPSK	26740	3RB#1	22.86	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#1	22.65	PASS
Band26(814-824)	1.4MHz	QPSK	26740	3RB#3	22.71	PASS
Band26(814-824)	1.4MHz	16QAM	26740	3RB#3	22.64	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	22.65	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	21.83	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	22.63	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	22.68	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#2	22.72	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#2	22.74	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#5	22.63	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#5	22.79	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#0	22.73	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#0	21.83	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#1	22.74	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#1	21.89	PASS
Band26(814-824)	1.4MHz	QPSK	26783	3RB#3	22.73	PASS
Band26(814-824)	1.4MHz	16QAM	26783	3RB#3	21.86	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	22.25	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	21.26	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	22.74	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	22.23	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#8	22.74	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#8	22.18	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#14	22.67	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#14	22.17	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#0	22.28	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#0	21.99	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#4	22.26	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#4	21.99	PASS
Band26(814-824)	3MHz	QPSK	26705	8RB#7	22.19	PASS
Band26(814-824)	3MHz	16QAM	26705	8RB#7	21.43	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	22.22	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	21.64	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	22.67	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	21.83	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#8	22.74	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#8	22.35	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#14	22.76	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#14	21.93	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#0	22.63	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#0	21.84	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#4	22.63	PASS

Band26(814-824)	3MHz	16QAM	26740	8RB#4	21.82	PASS
Band26(814-824)	3MHz	QPSK	26740	8RB#7	22.64	PASS
Band26(814-824)	3MHz	16QAM	26740	8RB#7	21.82	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	22.64	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	21.55	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	22.70	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	22.75	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#8	22.72	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#8	22.81	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#14	22.63	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#14	22.82	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#0	22.19	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#0	21.35	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#4	22.14	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#4	21.31	PASS
Band26(814-824)	3MHz	QPSK	26775	8RB#7	22.17	PASS
Band26(814-824)	3MHz	16QAM	26775	8RB#7	21.31	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	22.21	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	21.39	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	22.99	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	21.53	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#12	22.88	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#12	21.51	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#24	22.84	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#24	22.02	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#0	22.28	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#0	21.71	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#6	22.29	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#6	21.67	PASS
Band26(814-824)	5MHz	QPSK	26715	12RB#13	22.24	PASS
Band26(814-824)	5MHz	16QAM	26715	12RB#13	21.18	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	22.25	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	21.35	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	23.10	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	22.04	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#12	22.82	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#12	22.35	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#24	22.69	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#24	22.04	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#0	22.22	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#0	21.20	PASS
Band26(814-824)	5MHz	QPSK	26740	12RB#6	22.23	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#6	21.20	PASS

Band26(814-824)	5MHz	QPSK	26740	12RB#13	22.37	PASS
Band26(814-824)	5MHz	16QAM	26740	12RB#13	21.31	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	22.71	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	21.52	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	22.80	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	22.48	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#12	22.85	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#12	22.01	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#24	22.83	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#24	21.97	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#0	22.29	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#0	21.33	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#6	22.30	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#6	21.33	PASS
Band26(814-824)	5MHz	QPSK	26765	12RB#13	22.21	PASS
Band26(814-824)	5MHz	16QAM	26765	12RB#13	21.41	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	22.27	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	21.31	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	22.59	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	21.83	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#24	22.62	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#24	22.24	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#49	22.62	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#49	21.72	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#0	22.23	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#0	21.14	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#12	22.23	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#12	21.14	PASS
Band26(814-824)	10MHz	QPSK	26740	25RB#25	22.22	PASS
Band26(814-824)	10MHz	16QAM	26740	25RB#25	21.08	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	22.72	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	21.71	PASS

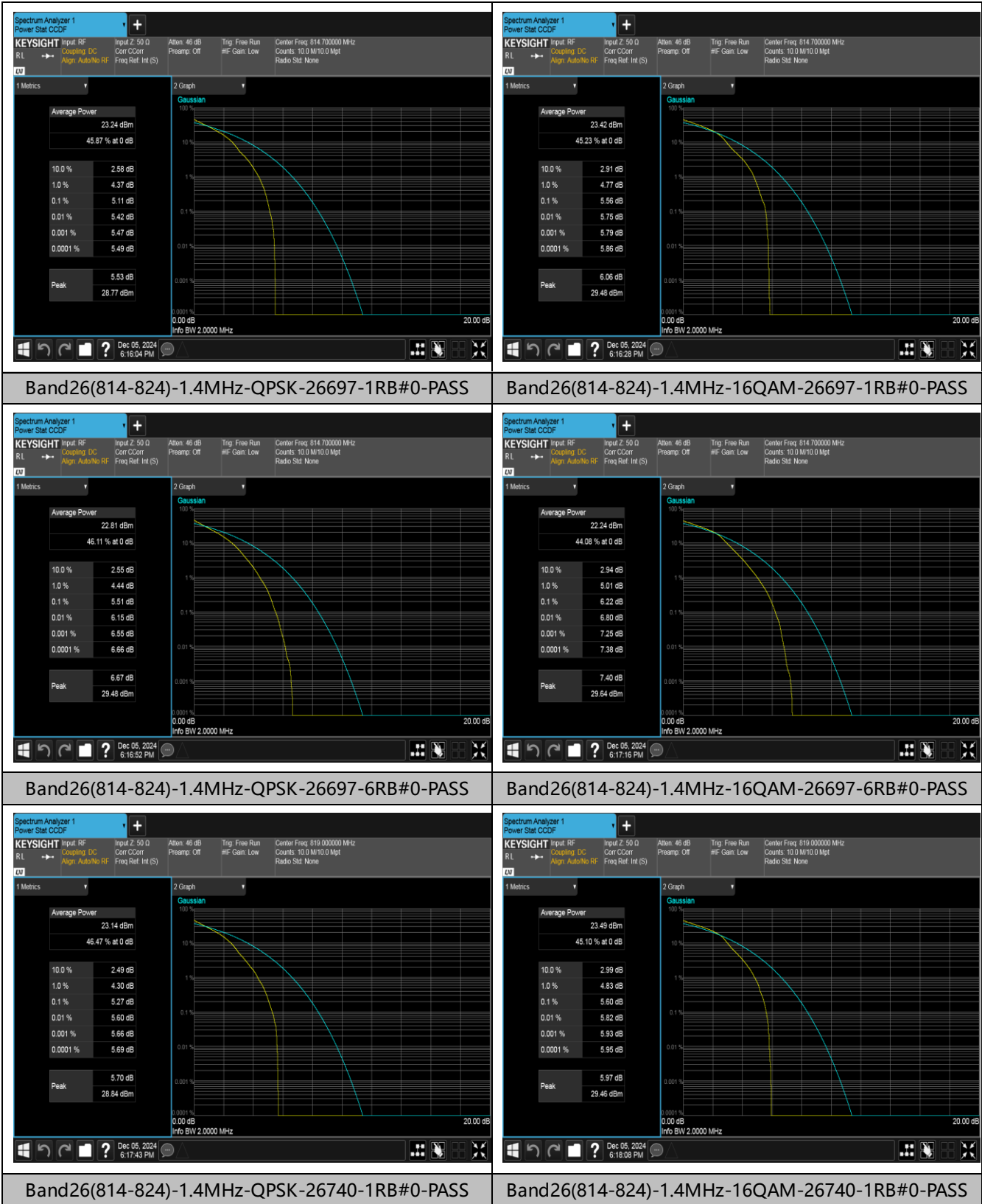
Appendix B: Peak-to-Average Ratio (CCDF)

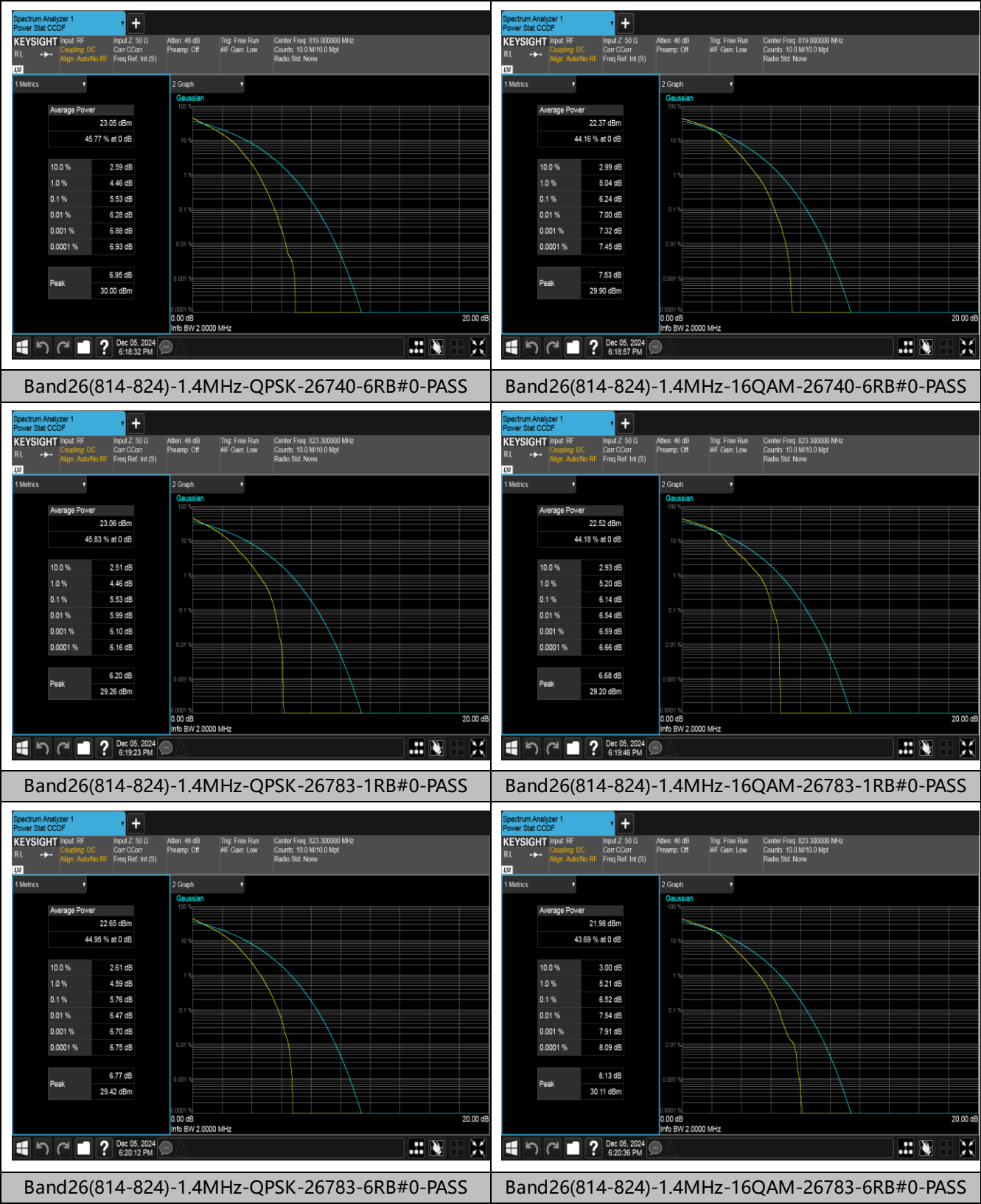
Test Result

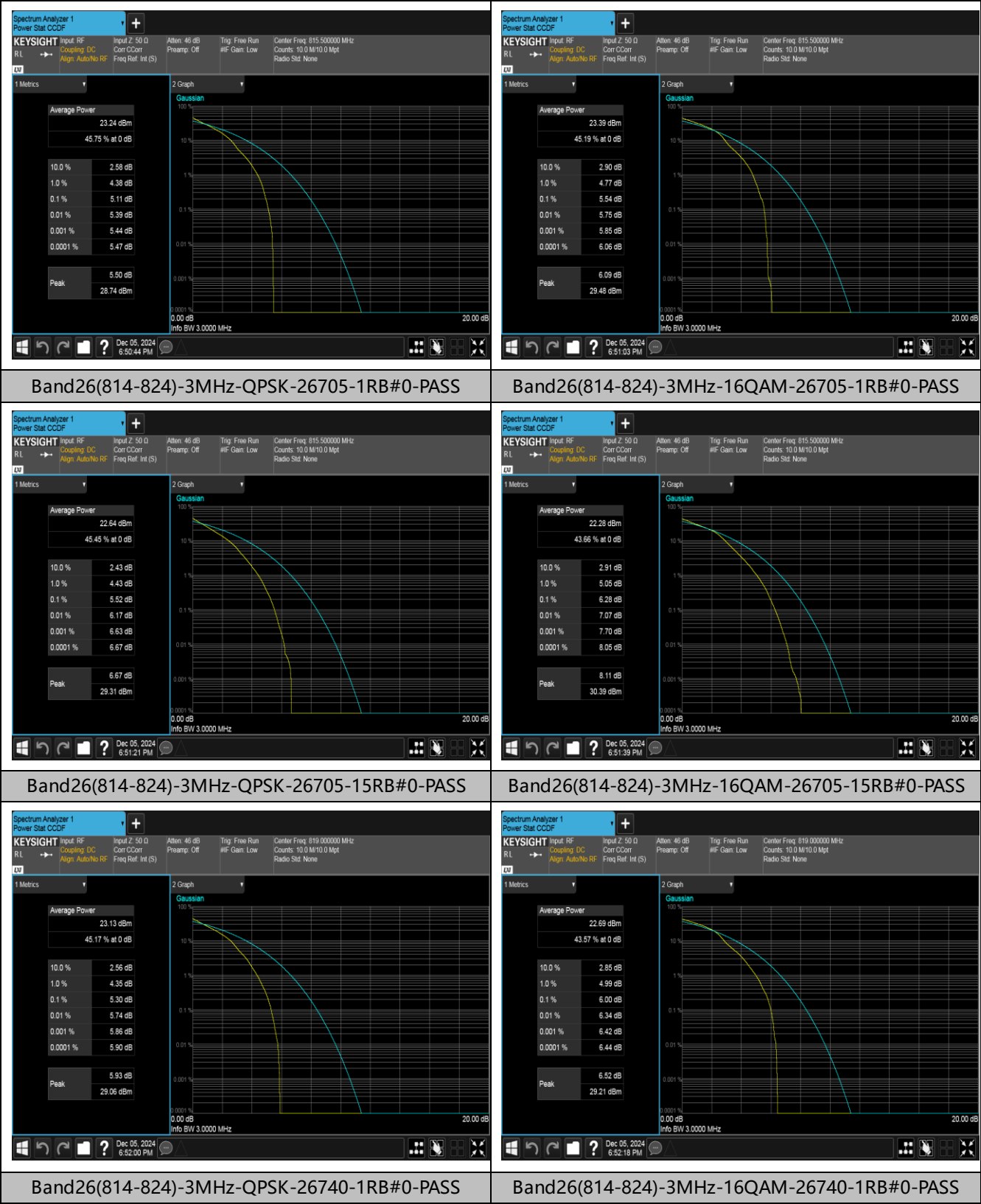
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	5.11	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	5.56	13	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	5.51	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	6.22	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	1RB#0	5.27	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	1RB#0	5.60	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.53	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.24	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	5.53	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	6.14	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.76	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.52	13	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	5.11	13	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	5.54	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	5.52	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	6.28	13	PASS
Band26(814-824)	3MHz	QPSK	26740	1RB#0	5.30	13	PASS
Band26(814-824)	3MHz	16QAM	26740	1RB#0	6.00	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	5.65	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	6.32	13	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	5.48	13	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	6.08	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	5.79	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	6.49	13	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	5.05	13	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	5.74	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	5.66	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	6.34	13	PASS
Band26(814-824)	5MHz	QPSK	26740	1RB#0	5.24	13	PASS
Band26(814-824)	5MHz	16QAM	26740	1RB#0	5.95	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	5.64	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	6.28	13	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	5.41	13	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	5.91	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	5.74	13	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	6.41	13	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	5.18	13	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	5.78	13	PASS

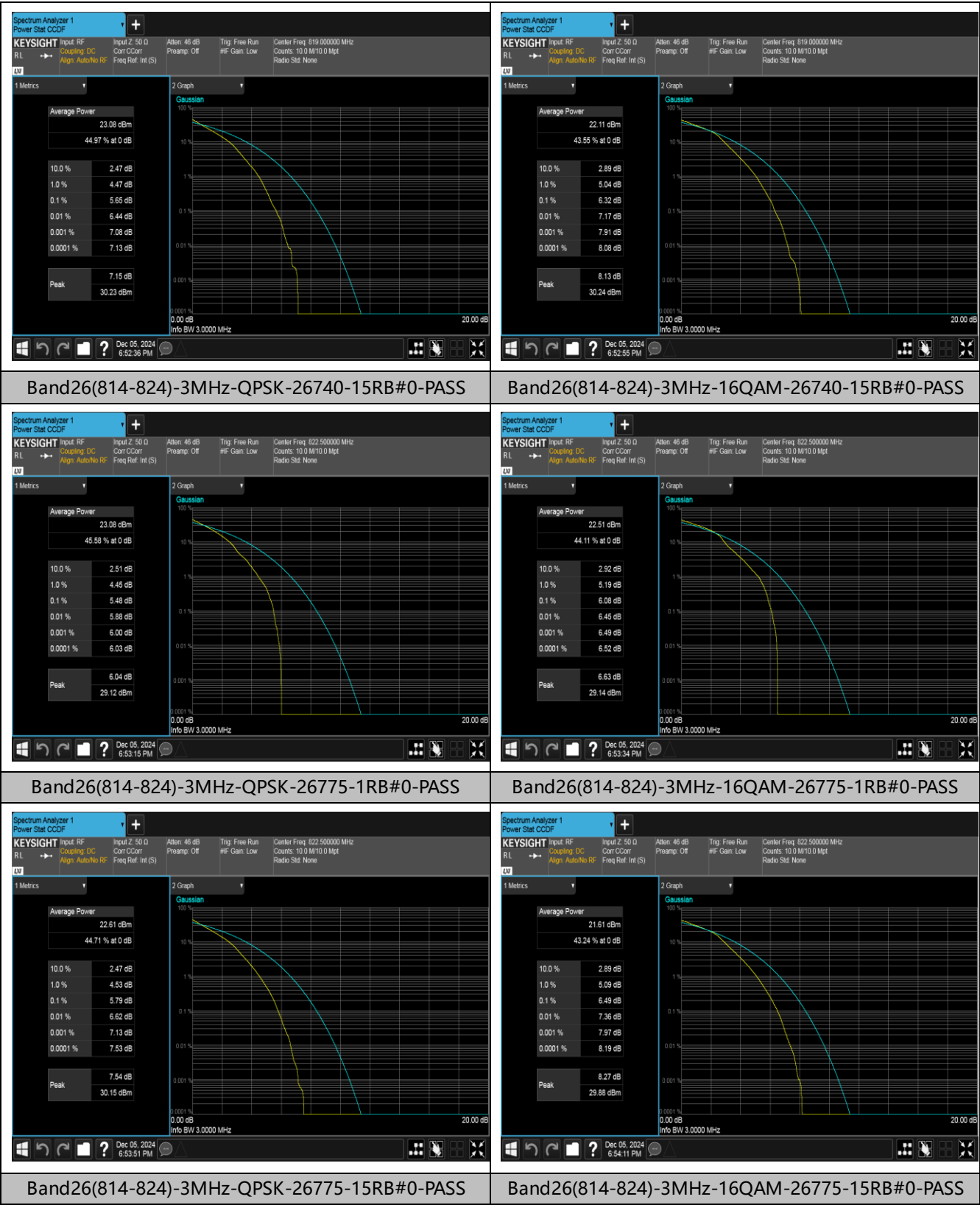
Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.65	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.37	13	PASS

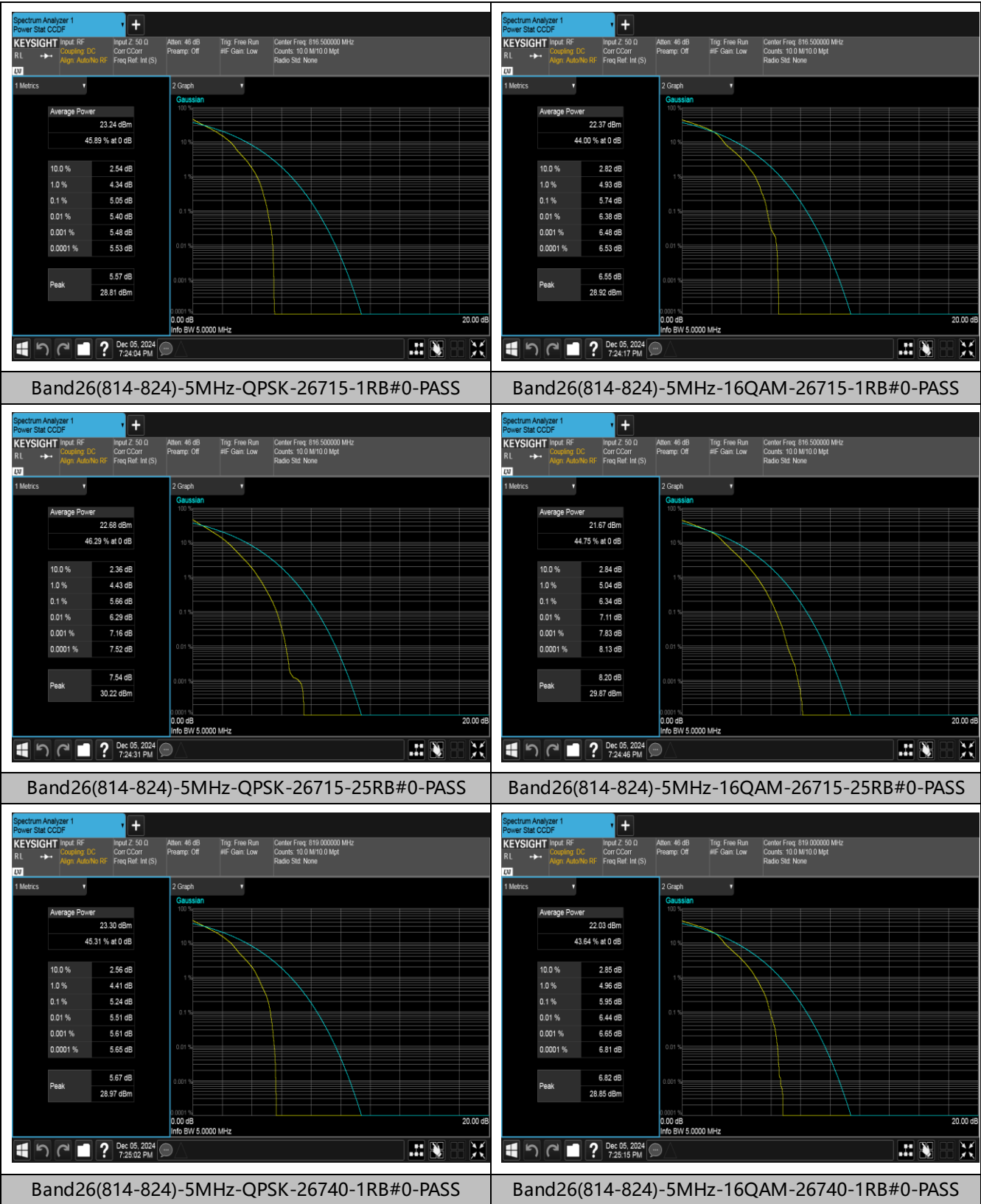
Test Graphs

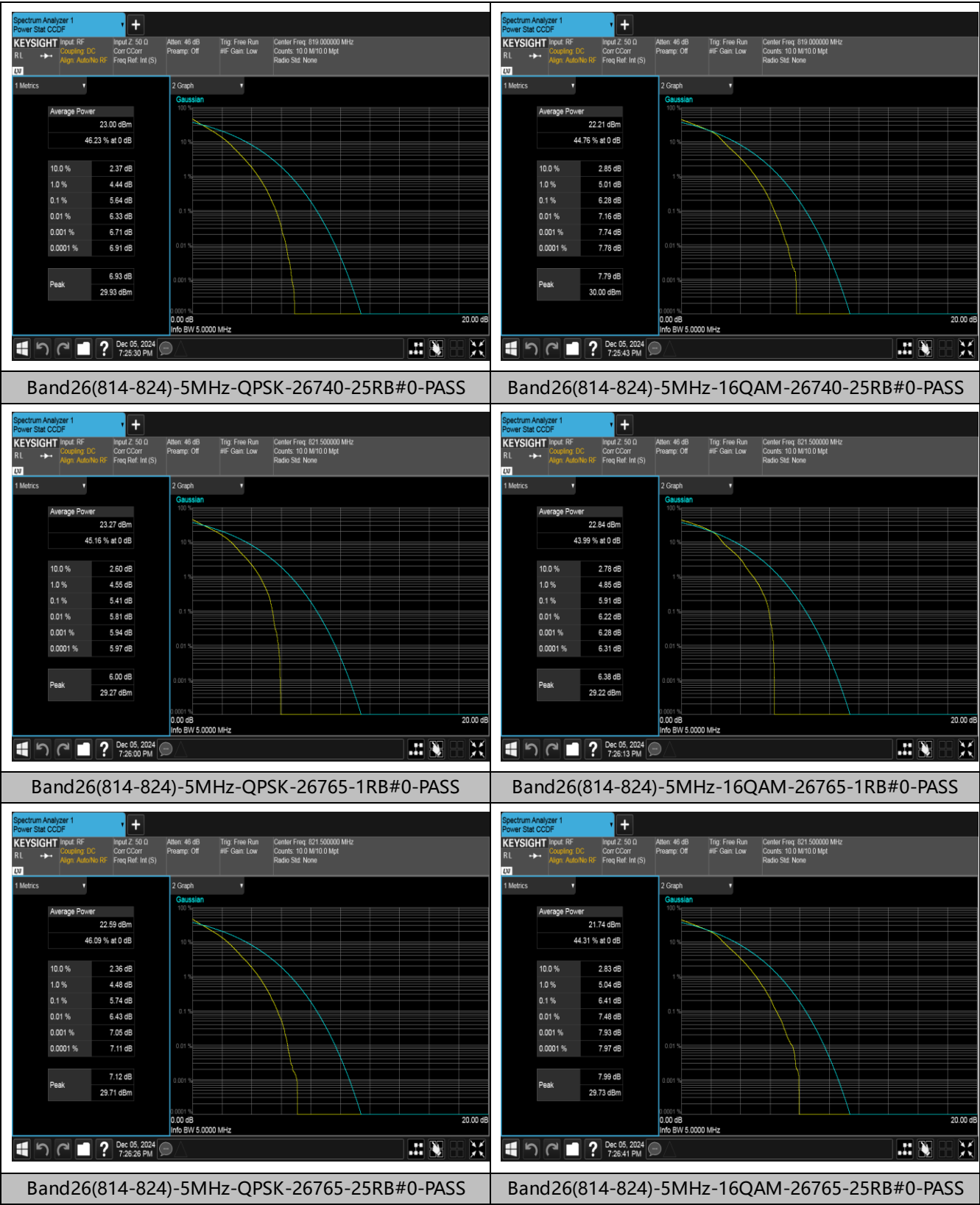


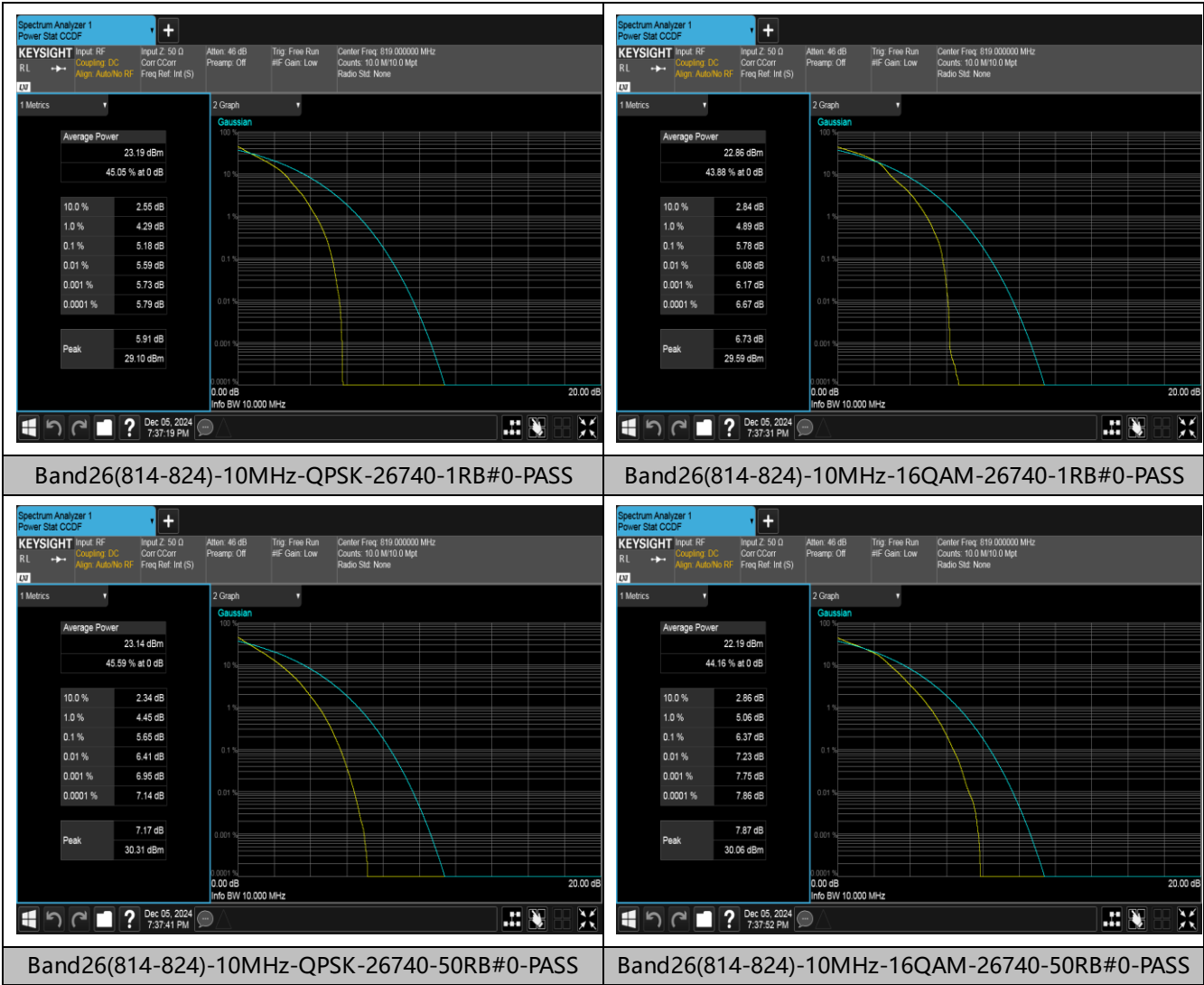










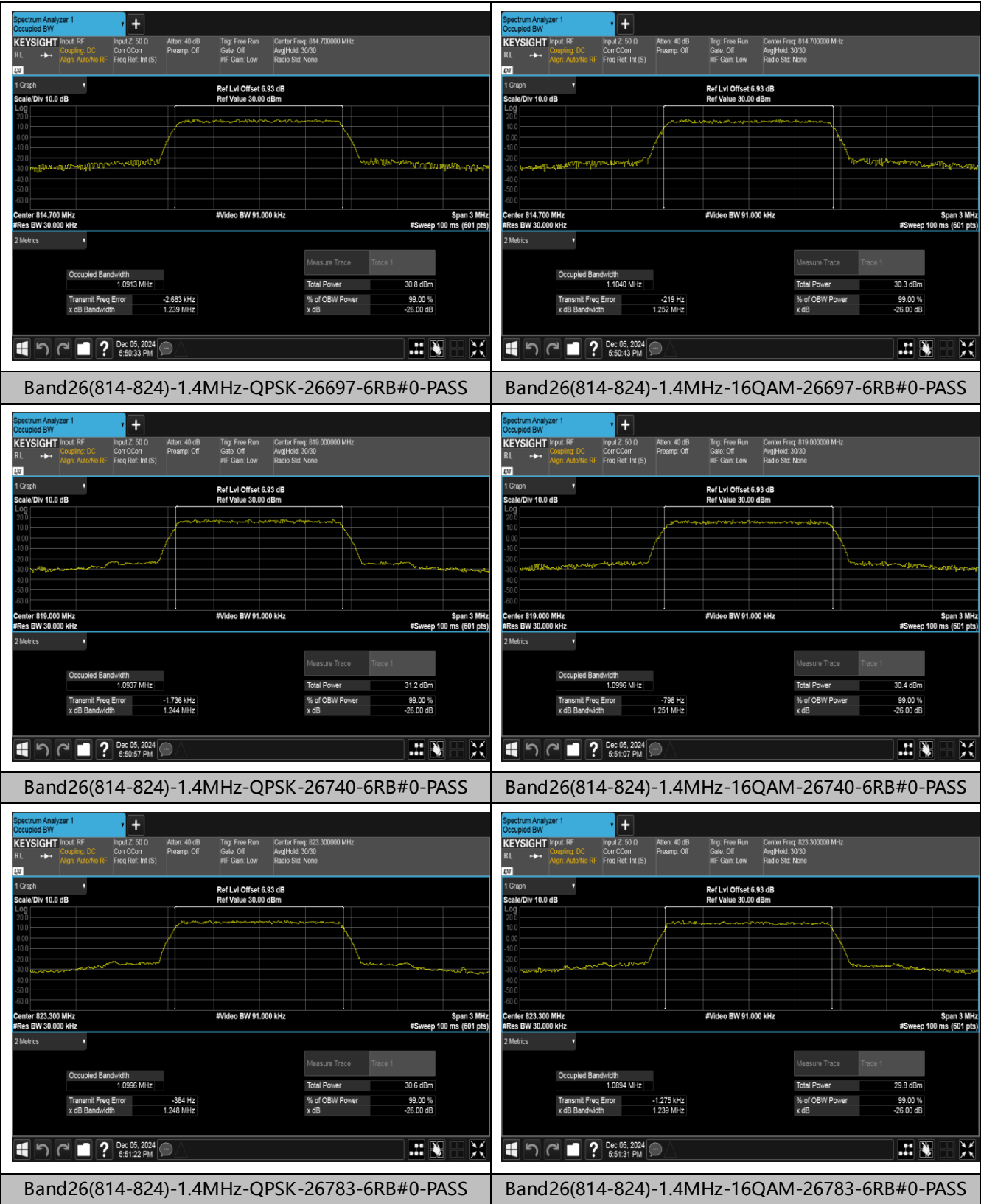


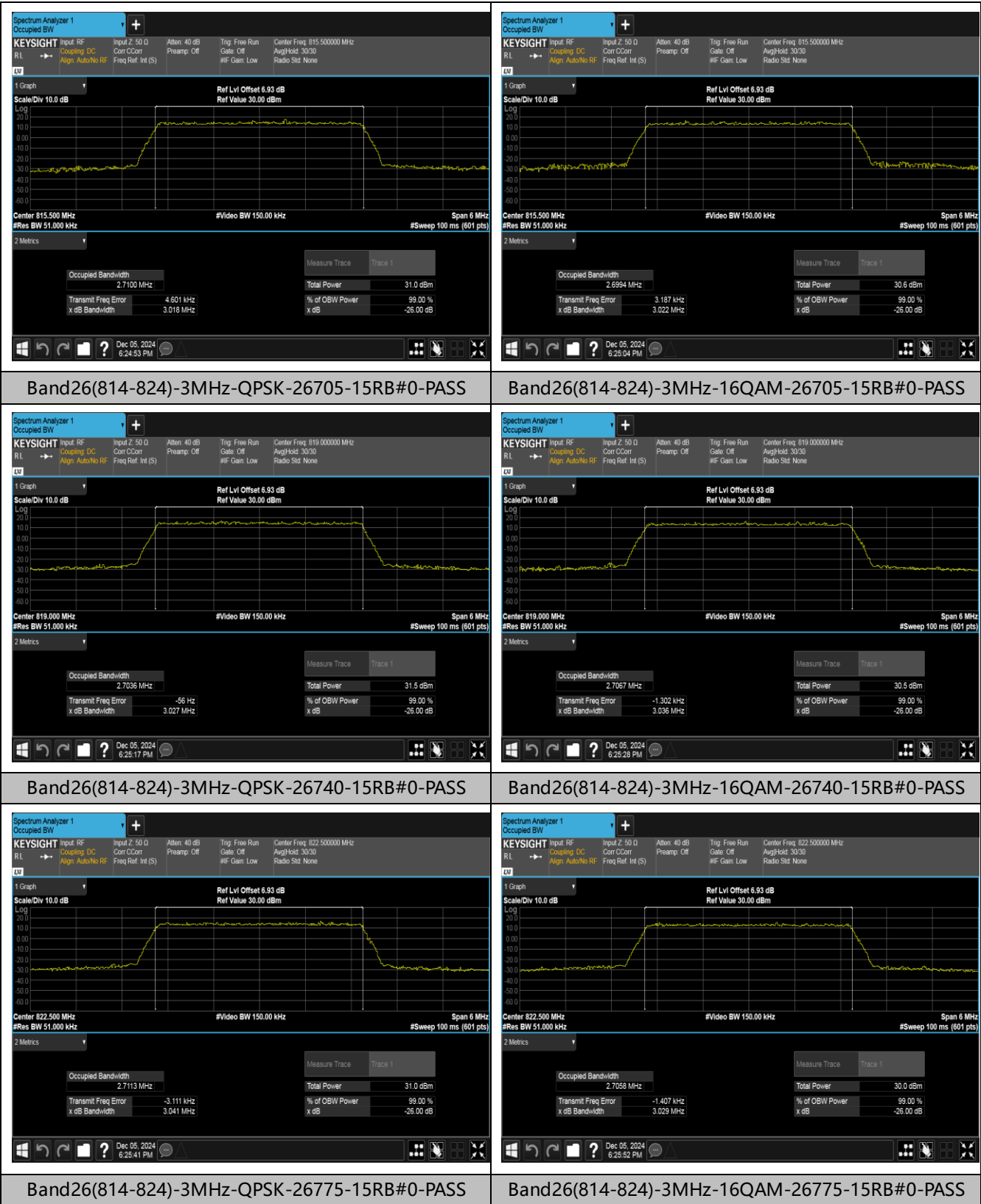
Appendix C: Occupied bandwidth

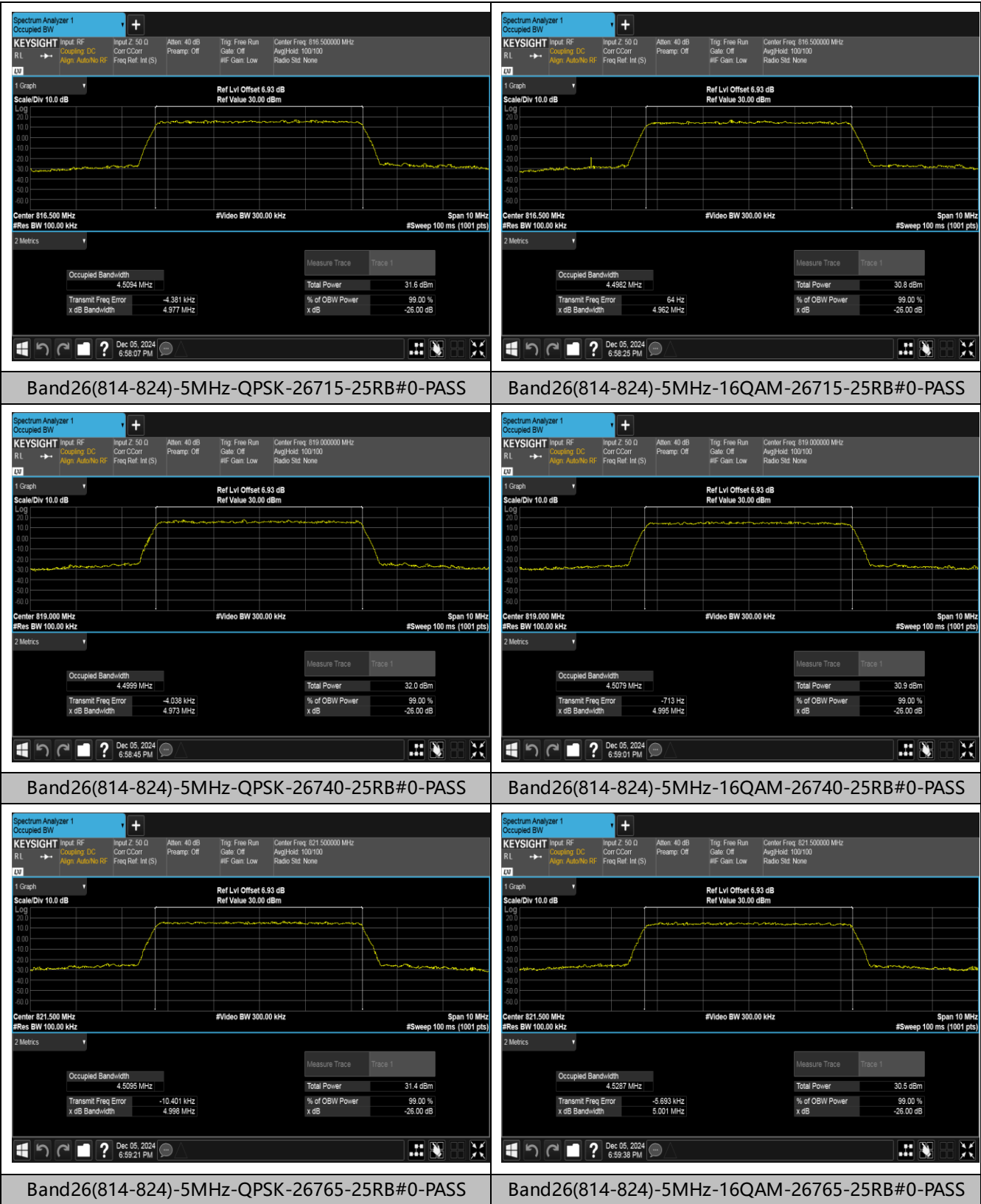
Test Result

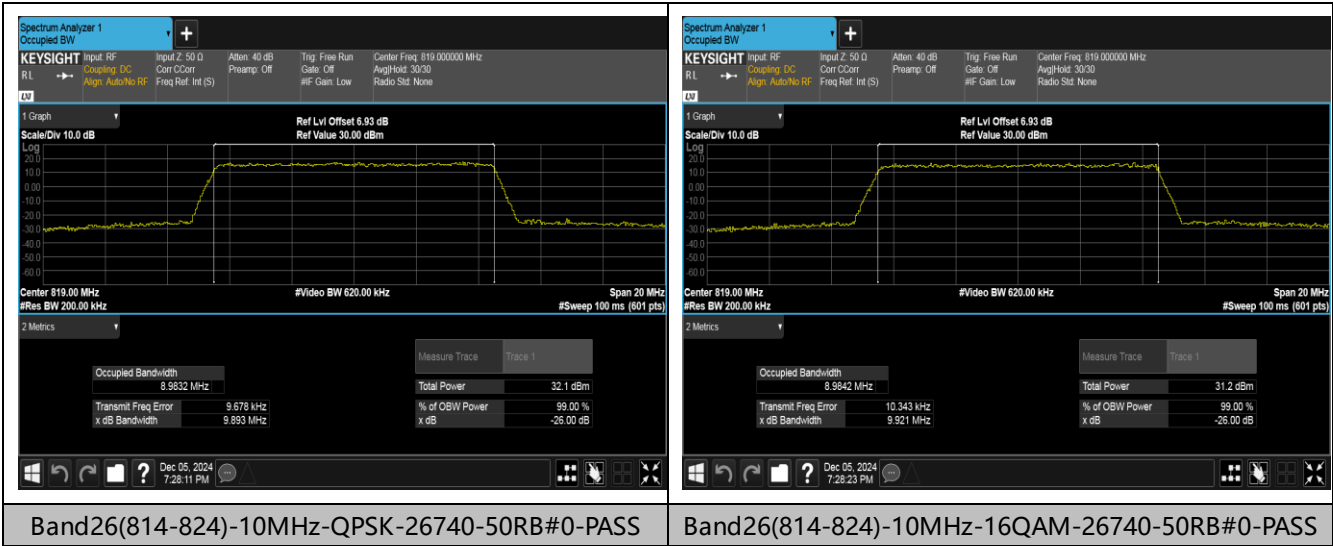
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0913	1.239	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1040	1.252	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0937	1.244	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0996	1.251	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0996	1.248	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0894	1.239	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.7100	3.018	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6994	3.022	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.7036	3.027	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.7067	3.036	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.7113	3.041	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.7058	3.029	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.5094	4.977	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.4982	4.962	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.4999	4.973	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.5079	4.995	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.5095	4.998	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.5287	5.001	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	8.9832	9.893	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9842	9.921	PASS

Test Graphs









Spectrum Analyzer 1
Occupied BW

KEYSIGHT

Input RF: Coupling: DC
R/L: AutoNo RF

Input Z: 50 Ω
Corr: Corr
Freq Ref: Int (S)

Atten: 40 dB
Preamp: Off

Trig: Free Run
Gate: Off
Ref: Gain: Low

Center Freq: 819.000000 MHz
AgtHoltz: 30.30
Radio Std: None

1 Graph
Scale/Div 10.0 dB
Log
Ref Lvl Offset 6.93 dB
Ref Value 30.00 dBm

Center 819.00 MHz
#Res BW 200.00 kHz
#Video BW 620.00 kHz
Span 20 MHz
#Sweep 100 ms (601 pts)

2 Metrics
Measure Trace
Trace 1
Occupied Bandwidth 8.9842 MHz
Transmit Freq Error 10.343 kHz
x dB Bandwidth 9.921 MHz
Total Power 31.2 dBm
% of OBW Power 99.00 %
x dB -26.00 dB

Dec 05, 2024
7:28:23 PM

Band26(814-824)-10MHz-16QAM-26740-50RB#0-PASS

Appendix D: Band edge emissions

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	1RB#0	-32.85	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#0	-31.64	PASS
Band26(814-824)	1.4MHz	QPSK	26697	1RB#5	-32.63	PASS
Band26(814-824)	1.4MHz	16QAM	26697	1RB#5	-32.36	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-32.53	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-31.66	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#0	-31.86	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#0	-33.24	PASS
Band26(814-824)	1.4MHz	QPSK	26783	1RB#5	-32.84	PASS
Band26(814-824)	1.4MHz	16QAM	26783	1RB#5	-32.57	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-30.25	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-30.72	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#0	-30.78	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#0	-28.86	PASS
Band26(814-824)	3MHz	QPSK	26705	1RB#14	-30.44	PASS
Band26(814-824)	3MHz	16QAM	26705	1RB#14	-29.65	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-36.84	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-31.51	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#0	-30.48	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#0	-30.84	PASS
Band26(814-824)	3MHz	QPSK	26775	1RB#14	-30.57	PASS
Band26(814-824)	3MHz	16QAM	26775	1RB#14	-31.59	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-29.36	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-30.55	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#0	-31.77	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#0	-32.28	PASS
Band26(814-824)	5MHz	QPSK	26715	1RB#24	-37.35	PASS
Band26(814-824)	5MHz	16QAM	26715	1RB#24	-32.03	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-35.40	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-36.94	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#0	-30.62	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#0	-38.76	PASS
Band26(814-824)	5MHz	QPSK	26765	1RB#24	-37.55	PASS
Band26(814-824)	5MHz	16QAM	26765	1RB#24	-36.55	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-34.31	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-35.22	PASS
Band26(814-824)	10MHz	QPSK	26740	1RB#0	-42.58	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#0	-42.48	PASS

Band26(814-824)	10MHz	QPSK	26740	1RB#49	-43.60	PASS
Band26(814-824)	10MHz	16QAM	26740	1RB#49	-39.81	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-38.10	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-38.56	PASS