

FCC LTE-Cat M1 Band26 Test Data

General Description of EUT	
Product Name:	AirSuite Sense LTE
Test Model:	SSCM860
Sample ID:	202303-0011-01-02#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202303-0011-101 . The report only show the worst case data.	

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1: Conducted Power Output Data for M1

1.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band26	1.4MHz	26697	QPSK	1	0	Low	23.64	PASS
Band26	1.4MHz	26697	QPSK	1	5	Low	23.89	PASS
Band26	1.4MHz	26697	QPSK	6	0	Low	21.80	PASS
Band26	1.4MHz	26740	QPSK	1	0	Low	23.54	PASS
Band26	1.4MHz	26740	QPSK	1	5	Low	23.88	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	21.74	PASS
Band26	1.4MHz	26783	QPSK	1	0	High	23.49	PASS
Band26	1.4MHz	26783	QPSK	1	5	High	23.81	PASS
Band26	1.4MHz	26783	QPSK	6	0	High	21.74	PASS
Band26	1.4MHz	26697	16QAM	1	0	Low	22.53	PASS
Band26	1.4MHz	26697	16QAM	1	5	Low	22.75	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	21.69	PASS
Band26	1.4MHz	26740	16QAM	1	0	Low	22.51	PASS
Band26	1.4MHz	26740	16QAM	1	5	Low	22.78	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	21.69	PASS
Band26	1.4MHz	26783	16QAM	1	0	High	22.68	PASS
Band26	1.4MHz	26783	16QAM	1	5	High	22.79	PASS
Band26	1.4MHz	26783	16QAM	6	0	High	21.69	PASS
Band26	3MHz	26705	QPSK	1	0	Low	23.61	PASS
Band26	3MHz	26705	QPSK	1	5	Low	23.84	PASS
Band26	3MHz	26705	QPSK	6	0	Low	21.79	PASS
Band26	3MHz	26740	QPSK	1	0	Low	23.59	PASS
Band26	3MHz	26740	QPSK	1	5	Low	23.87	PASS
Band26	3MHz	26740	QPSK	6	0	Low	21.71	PASS
Band26	3MHz	26775	QPSK	1	0	High	23.52	PASS
Band26	3MHz	26775	QPSK	1	5	High	23.82	PASS
Band26	3MHz	26775	QPSK	6	0	High	21.71	PASS
Band26	3MHz	26705	16QAM	1	0	Low	22.76	PASS
Band26	3MHz	26705	16QAM	1	5	Low	22.86	PASS
Band26	3MHz	26705	16QAM	6	0	Low	21.80	PASS
Band26	3MHz	26740	16QAM	1	0	Low	22.50	PASS
Band26	3MHz	26740	16QAM	1	5	Low	22.86	PASS
Band26	3MHz	26740	16QAM	6	0	Low	21.71	PASS
Band26	3MHz	26775	16QAM	1	0	High	22.71	PASS
Band26	3MHz	26775	16QAM	1	5	High	22.75	PASS
Band26	3MHz	26775	16QAM	6	0	High	21.71	PASS
Band26	5MHz	26715	QPSK	1	0	Low	23.62	PASS
Band26	5MHz	26715	QPSK	1	5	Low	23.73	PASS
Band26	5MHz	26715	QPSK	6	0	Low	22.78	PASS
Band26	5MHz	26740	QPSK	1	0	Low	23.59	PASS

Band26	5MHz	26740	QPSK	1	5	Low	23.84	PASS
Band26	5MHz	26740	QPSK	6	0	Low	22.58	PASS
Band26	5MHz	26765	QPSK	1	0	High	23.62	PASS
Band26	5MHz	26765	QPSK	1	5	High	23.70	PASS
Band26	5MHz	26765	QPSK	6	0	High	22.71	PASS
Band26	5MHz	26715	16QAM	1	0	Low	23.48	PASS
Band26	5MHz	26715	16QAM	1	5	Low	23.84	PASS
Band26	5MHz	26715	16QAM	6	0	Low	22.79	PASS
Band26	5MHz	26740	16QAM	1	0	Low	23.45	PASS
Band26	5MHz	26740	16QAM	1	5	Low	23.46	PASS
Band26	5MHz	26740	16QAM	6	0	Low	22.59	PASS
Band26	5MHz	26765	16QAM	1	0	High	23.53	PASS
Band26	5MHz	26765	16QAM	1	5	High	23.80	PASS
Band26	5MHz	26765	16QAM	6	0	High	22.68	PASS
Band26	10MHz	26740	QPSK	1	0	Low	23.68	PASS
Band26	10MHz	26740	QPSK	1	5	Low	23.69	PASS
Band26	10MHz	26740	QPSK	6	0	Low	22.79	PASS
Band26	10MHz	26740	16QAM	1	0	Low	23.58	PASS
Band26	10MHz	26740	16QAM	1	5	Low	23.85	PASS
Band26	10MHz	26740	16QAM	6	0	Low	22.76	PASS

2: Peak-to-Average Ratio(CCDF) for M1

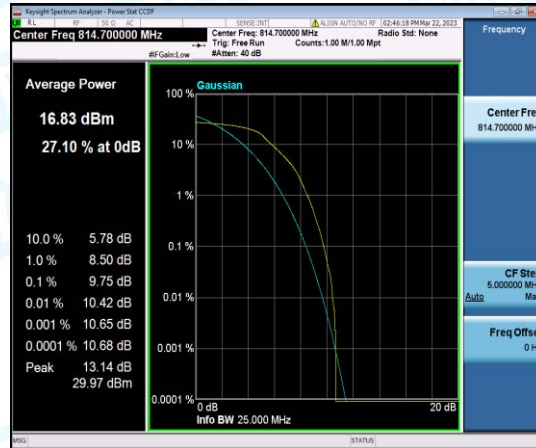
2.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	26697	QPSK	1	0	Low	10.41	<=13	PASS
Band26	1.4MHz	26697	QPSK	6	0	Low	9.75	<=13	PASS
Band26	1.4MHz	26740	QPSK	1	0	Low	8.45	<=13	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	9.58	<=13	PASS
Band26	1.4MHz	26783	QPSK	1	0	High	8.79	<=13	PASS
Band26	1.4MHz	26783	QPSK	6	0	High	9.08	<=13	PASS
Band26	1.4MHz	26697	16QAM	1	0	Low	9.78	<=13	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	10.59	<=13	PASS
Band26	1.4MHz	26740	16QAM	1	0	Low	9.55	<=13	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	9.40	<=13	PASS
Band26	1.4MHz	26783	16QAM	1	0	High	10.55	<=13	PASS
Band26	1.4MHz	26783	16QAM	6	0	High	9.18	<=13	PASS
Band26	3MHz	26705	QPSK	1	0	Low	8.55	<=13	PASS
Band26	3MHz	26705	QPSK	6	0	Low	9.25	<=13	PASS
Band26	3MHz	26740	QPSK	1	0	Low	9.06	<=13	PASS
Band26	3MHz	26740	QPSK	6	0	Low	8.61	<=13	PASS
Band26	3MHz	26775	QPSK	1	0	High	8.48	<=13	PASS
Band26	3MHz	26775	QPSK	6	0	High	8.49	<=13	PASS
Band26	3MHz	26705	16QAM	1	0	Low	9.78	<=13	PASS
Band26	3MHz	26705	16QAM	6	0	Low	9.09	<=13	PASS
Band26	3MHz	26740	16QAM	1	0	Low	11.02	<=13	PASS
Band26	3MHz	26740	16QAM	6	0	Low	9.31	<=13	PASS
Band26	3MHz	26775	16QAM	1	0	High	10.27	<=13	PASS
Band26	3MHz	26775	16QAM	6	0	High	9.63	<=13	PASS
Band26	5MHz	26715	QPSK	1	0	Low	8.29	<=13	PASS
Band26	5MHz	26715	QPSK	6	0	Low	9.05	<=13	PASS
Band26	5MHz	26740	QPSK	1	0	Low	9.39	<=13	PASS
Band26	5MHz	26740	QPSK	6	0	Low	9.12	<=13	PASS
Band26	5MHz	26765	QPSK	1	0	High	8.06	<=13	PASS
Band26	5MHz	26765	QPSK	6	0	High	11.15	<=13	PASS
Band26	5MHz	26715	16QAM	1	0	Low	10.57	<=13	PASS
Band26	5MHz	26715	16QAM	6	0	Low	8.97	<=13	PASS
Band26	5MHz	26740	16QAM	1	0	Low	11.05	<=13	PASS
Band26	5MHz	26740	16QAM	6	0	Low	8.53	<=13	PASS
Band26	5MHz	26765	16QAM	1	0	High	10.79	<=13	PASS
Band26	5MHz	26765	16QAM	6	0	High	8.32	<=13	PASS
Band26	10MHz	26740	QPSK	1	0	Low	9.06	<=13	PASS
Band26	10MHz	26740	QPSK	6	0	Low	8.96	<=13	PASS
Band26	10MHz	26740	16QAM	1	0	Low	10.04	<=13	PASS
Band26	10MHz	26740	16QAM	6	0	Low	9.89	<=13	PASS

2.2 Test Graphs



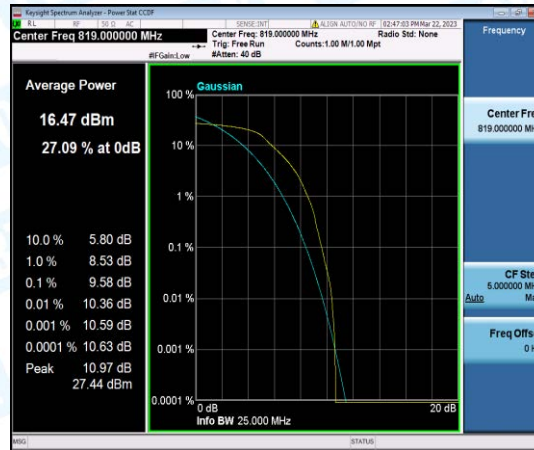
Band26-1.4MHz-QPSK-26697-1-0-Low-10.41-<=13-PASS



Band26-1.4MHz-QPSK-26697-6-0-Low-9.75-<=13-PASS



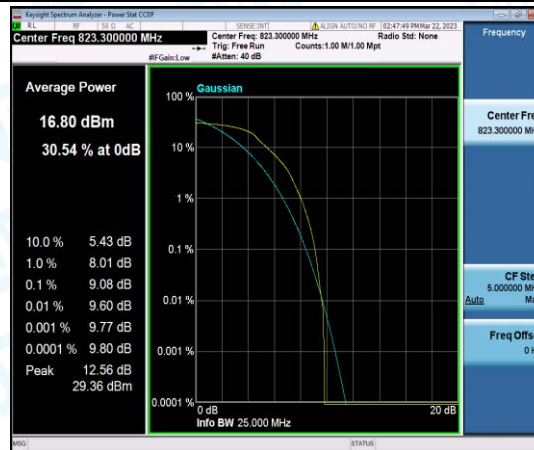
Band26-1.4MHz-QPSK-26740-1-0-Low-8.45-<=13-PASS



Band26-1.4MHz-QPSK-26740-6-0-Low-9.58-<=13-PASS



Band26-1.4MHz-QPSK-26783-1-0-High-8.79-<=13-PASS



Band26-1.4MHz-QPSK-26783-6-0-High-9.08-<=13-PASS



Band26-1.4MHz-16QAM-26697-1-0-Low-9.78-<=13-PASS



Band26-1.4MHz-16QAM-26697-6-0-Low-10.59-<=13-PASS



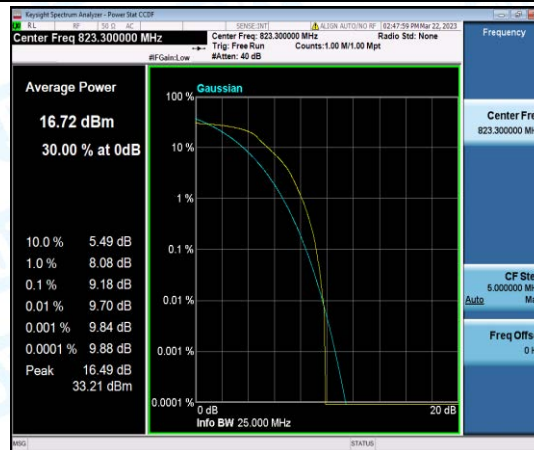
Band26-1.4MHz-16QAM-26740-1-0-Low-9.55-<=13-PASS



Band26-1.4MHz-16QAM-26740-6-0-Low-9.40-<=13-PASS



Band26-1.4MHz-16QAM-26783-1-0-High-10.55-<=13-PASS



Band26-1.4MHz-16QAM-26783-6-0-High-9.18-<=13-PASS



Band26-3MHz-QPSK-26705-1-0-Low-8.55-=<=13-PASS



Band26-3MHz-QPSK-26705-6-0-Low-9.25-=<=13-PASS



Band26-3MHz-QPSK-26740-1-0-Low-9.06-=<=13-PASS



Band26-3MHz-QPSK-26740-6-0-Low-8.61-<=13-PASS



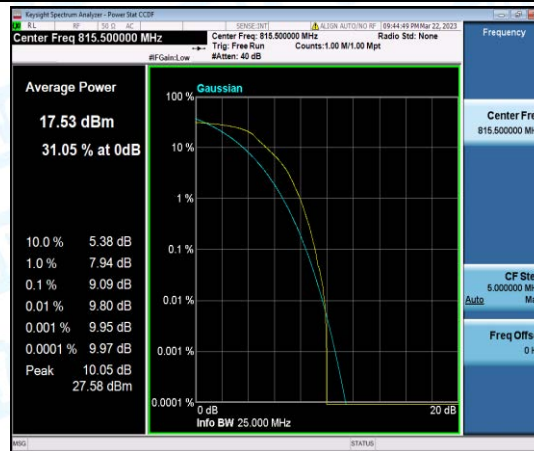
Band26-3MHz-QPSK-26775-1-0-High-8.48-<=13-PASS



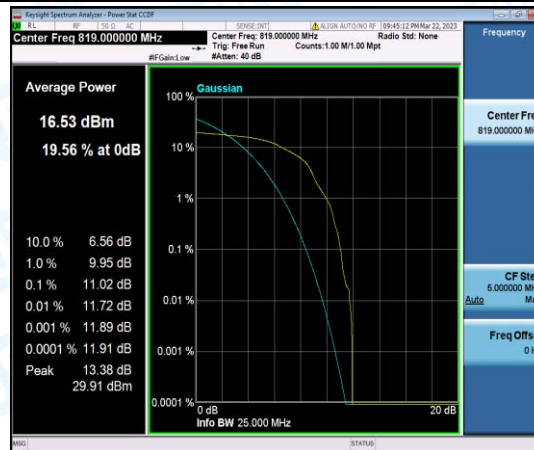
Band26-3MHz-QPSK-26775-6-0-High-8.49-<=13-PASS



Band26-3MHz-16QAM-26705-1-0-Low-9.78-<=13-PASS



Band26-3MHz-16QAM-26705-6-0-Low-9.09-<=13-PASS



Band26-3MHz-16QAM-26740-1-0-Low-11.02-<=13-PASS



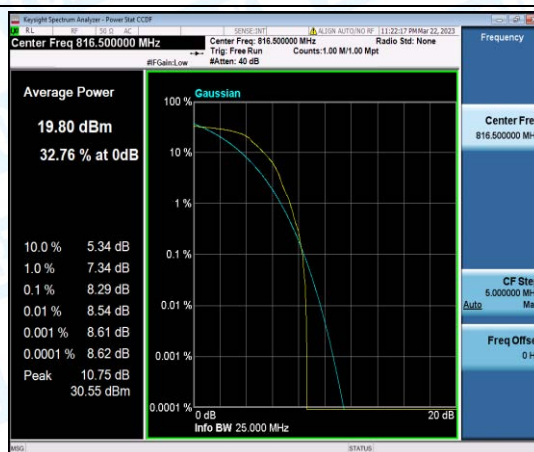
Band26-3MHz-16QAM-26740-6-0-Low-9.31-<=13-PASS



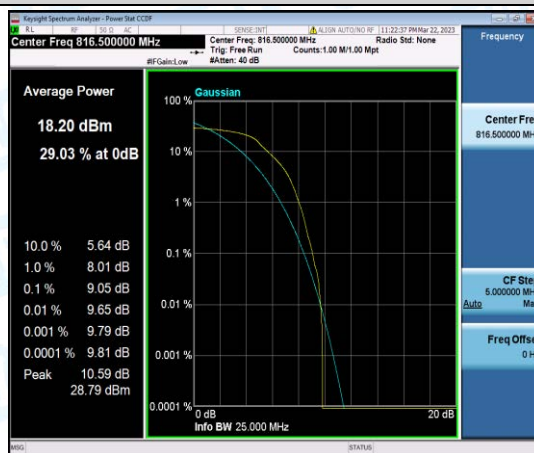
Band26-3MHz-16QAM-26775-1-0-High-10.27-<=13-PASS



Band26-3MHz-16QAM-26775-6-0-High-9.63-<=13-PASS



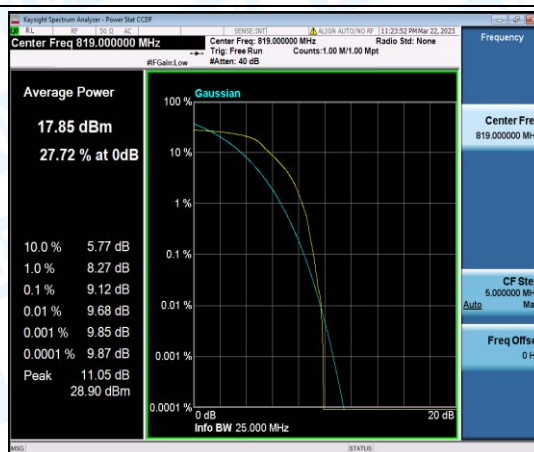
Band26-5MHz-QPSK-26715-1-0-Low-8.29-<=13-PASS



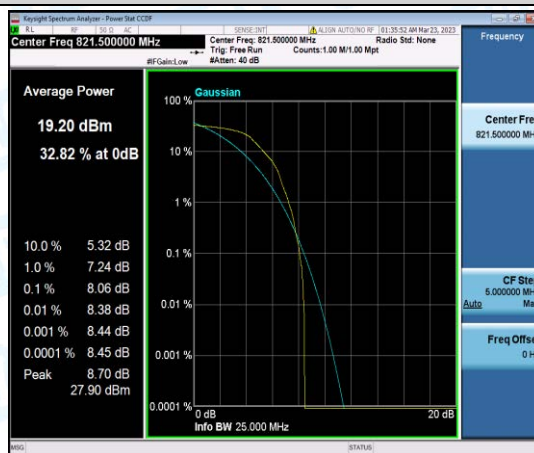
Band26-5MHz-QPSK-26715-6-0-Low-9.05-<=13-PASS



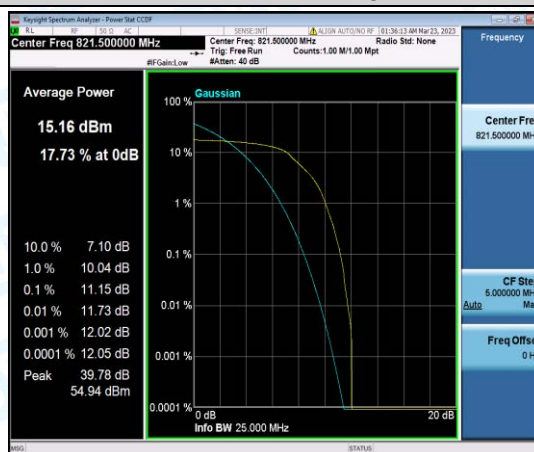
Band26-5MHz-QPSK-26740-1-0-Low-9.39-<=13-PASS



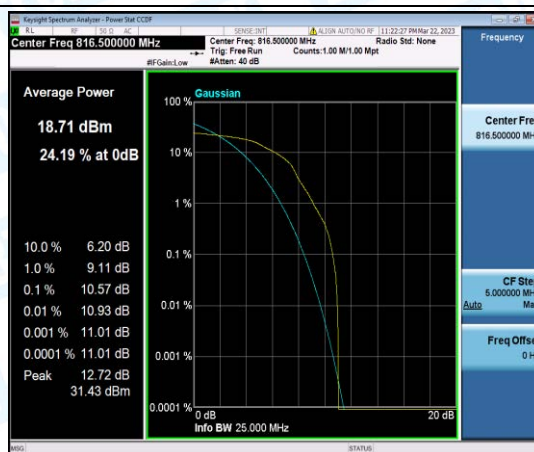
Band26-5MHz-QPSK-26740-6-0-Low-9.12-<=13-PASS



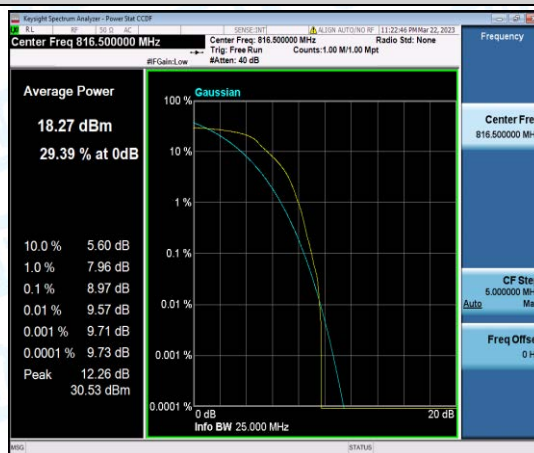
Band26-5MHz-QPSK-26765-1-0-High-8.06-<=13-PASS



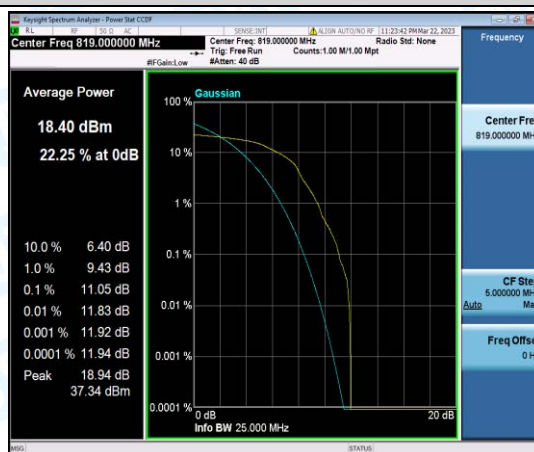
Band26-5MHz-QPSK-26765-6-0-High-11.15-<=13-PASS



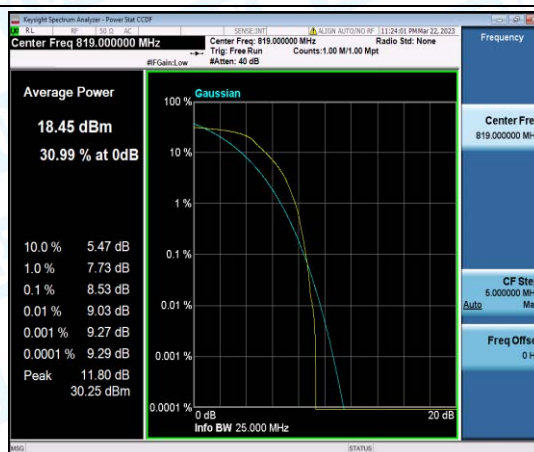
Band26-5MHz-16QAM-26715-1-0-Low-10.57-<=13-PASS



Band26-5MHz-16QAM-26715-6-0-Low-8.97-<=13-PASS



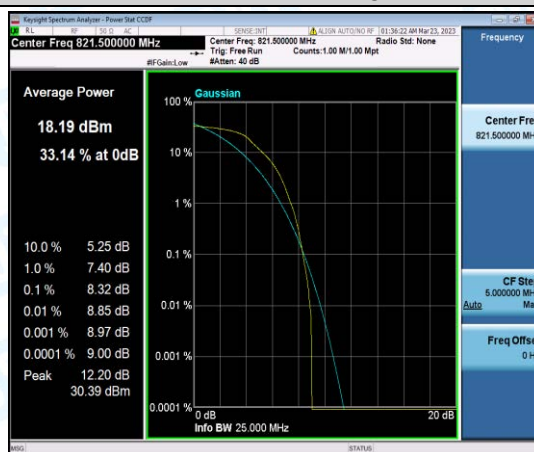
Band26-5MHz-16QAM-26740-1-0-Low-11.05-<=13-PASS



Band26-5MHz-16QAM-26740-6-0-Low-8.53-<=13-PASS



Band26-5MHz-16QAM-26765-1-0-High-10.79-<=13-PASS



Band26-5MHz-16QAM-26765-6-0-High-8.32-<=13-PASS



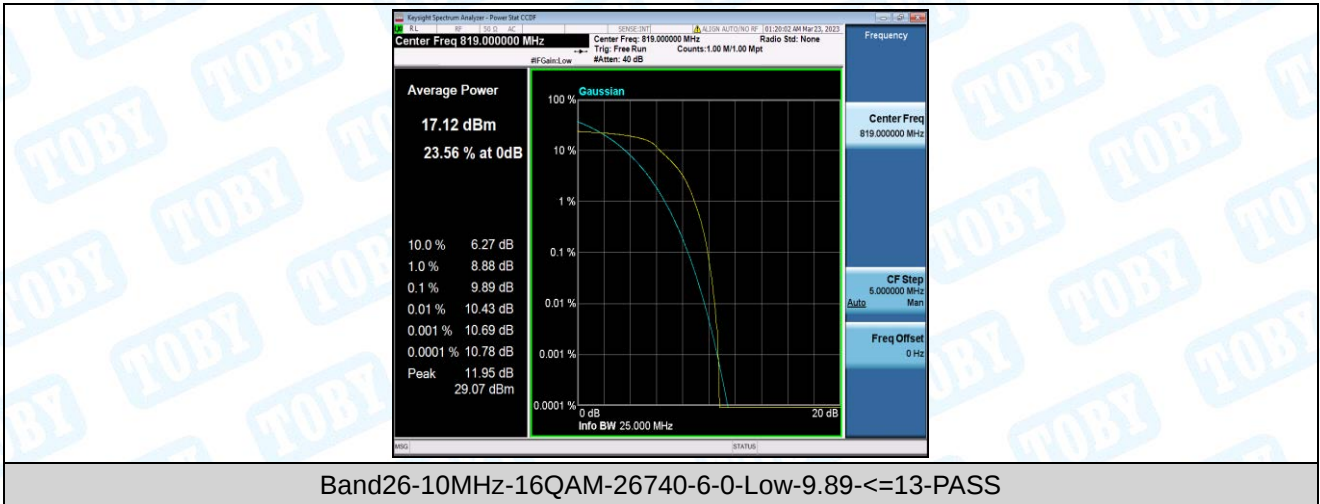
Band26-10MHz-QPSK-26740-1-0-Low-9.06-<=13-PASS



Band26-10MHz-QPSK-26740-6-0-Low-8.96-<=13-PASS



Band26-10MHz-16QAM-26740-1-0-Low-10.04-<=13-PASS



3: 26dB Bandwidth and Occupied Bandwidth for M1

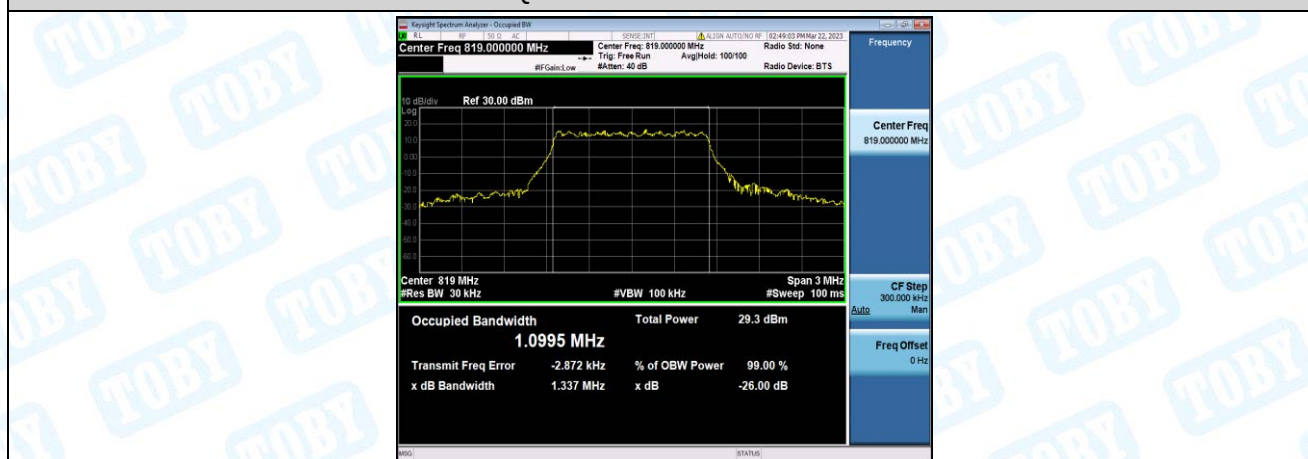
3.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	26697	QPSK	6	0	Low	1.1029	1.335	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	1.0995	1.337	PASS
Band26	1.4MHz	26783	QPSK	6	0	High	1.1115	1.361	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	1.1035	1.335	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	1.1012	1.334	PASS
Band26	1.4MHz	26783	16QAM	6	0	High	1.1106	1.351	PASS
Band26	3MHz	26705	QPSK	6	0	Low	1.1323	1.435	PASS
Band26	3MHz	26740	QPSK	6	0	Low	1.1433	1.419	PASS
Band26	3MHz	26775	QPSK	6	0	High	1.1284	1.395	PASS
Band26	3MHz	26705	16QAM	6	0	Low	1.1355	1.436	PASS
Band26	3MHz	26740	16QAM	6	0	Low	1.1382	1.393	PASS
Band26	3MHz	26775	16QAM	6	0	High	1.1409	1.411	PASS
Band26	5MHz	26715	QPSK	6	0	Low	1.2164	1.544	PASS
Band26	5MHz	26740	QPSK	6	0	Low	1.2090	1.664	PASS
Band26	5MHz	26765	QPSK	6	0	High	1.2131	1.704	PASS
Band26	5MHz	26715	16QAM	6	0	Low	1.2120	1.519	PASS
Band26	5MHz	26740	16QAM	6	0	Low	1.2158	1.665	PASS
Band26	5MHz	26765	16QAM	6	0	High	1.2095	1.623	PASS
Band26	10MHz	26740	QPSK	6	0	Low	1.3844	1.913	PASS
Band26	10MHz	26740	16QAM	6	0	Low	1.3890	2.035	PASS

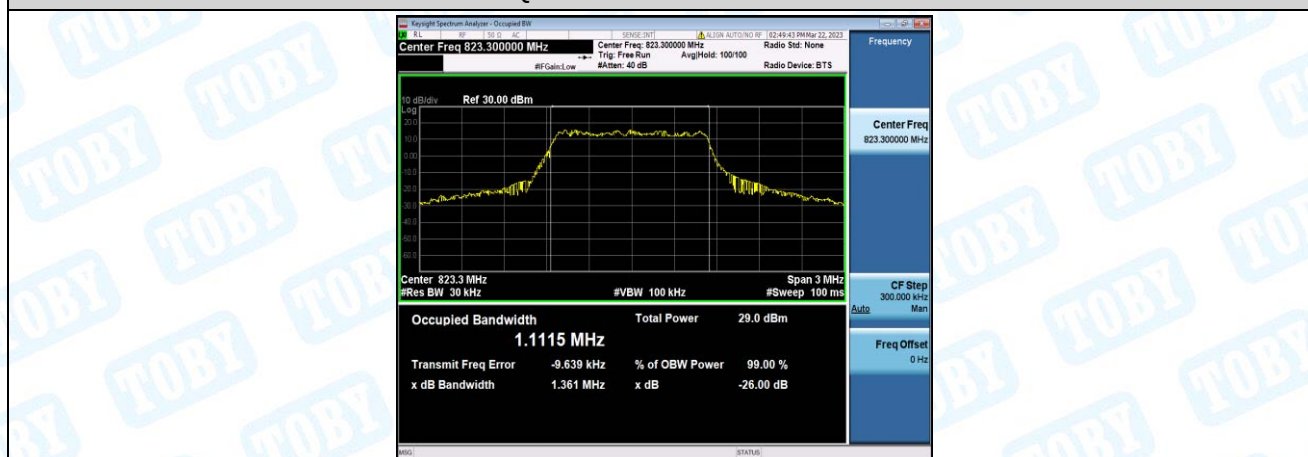
3.2 Test Graphs



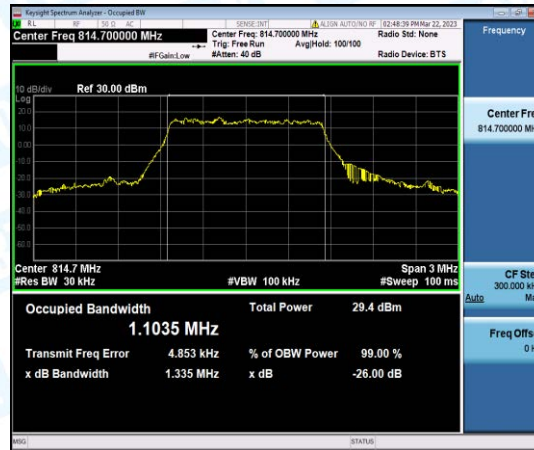
Band26-1.4MHz-QPSK-26697-6-0-Low-1.1029-1.335-PASS



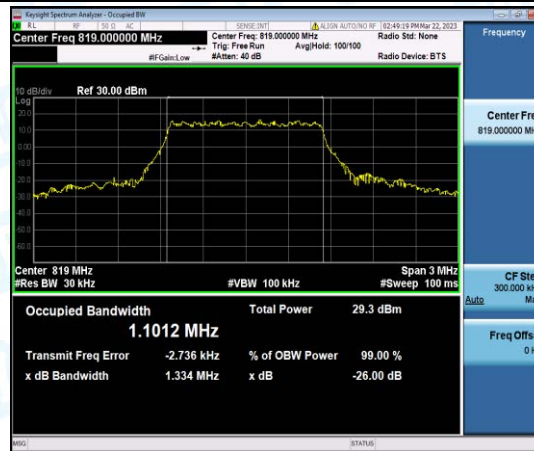
Band26-1.4MHz-QPSK-26740-6-0-Low-1.0995-1.337-PASS



Band26-1.4MHz-QPSK-26783-6-0-High-1.1115-1.361-PASS



Band26-1.4MHz-16QAM-26697-6-0-Low-1.1035-1.335-PASS



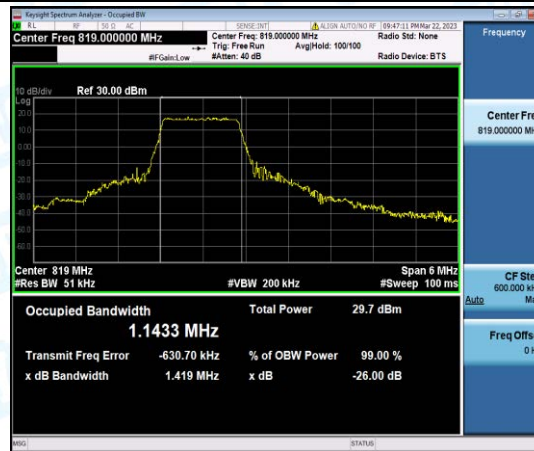
Band26-1.4MHz-16QAM-26740-6-0-Low-1.1012-1.334-PASS



Band26-1.4MHz-16QAM-26783-6-0-High-1.1106-1.351-PASS



Band26-3MHz-QPSK-26705-6-0-Low-1.1323-1.435-PASS



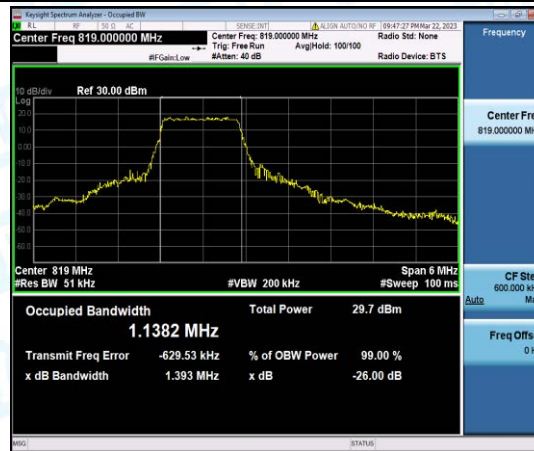
Band26-3MHz-QPSK-26740-6-0-Low-1.1433-1.419-PASS



Band26-3MHz-QPSK-26775-6-0-High-1.1284-1.395-PASS



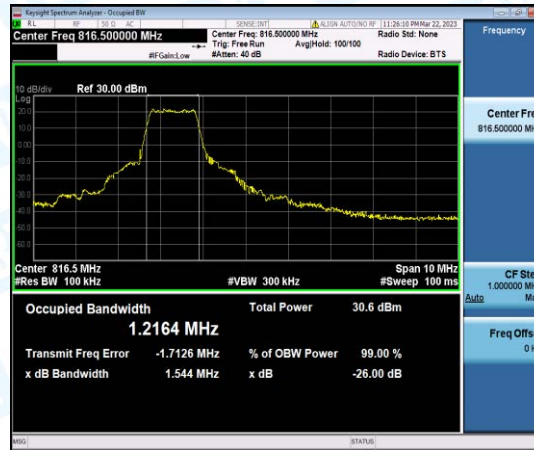
Band26-3MHz-16QAM-26705-6-0-Low-1.1355-1.436-PASS



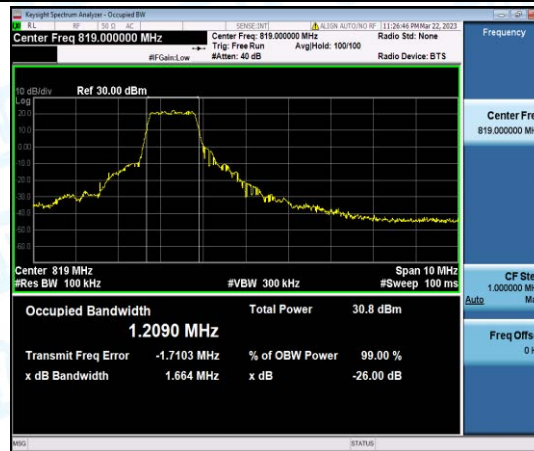
Band26-3MHz-16QAM-26740-6-0-Low-1.1382-1.393-PASS



Band26-3MHz-16QAM-26775-6-0-High-1.1409-1.411-PASS



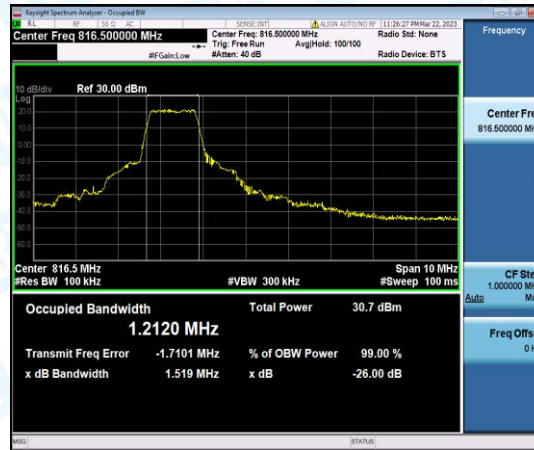
Band26-5MHz-QPSK-26715-6-0-Low-1.2164-1.544-PASS



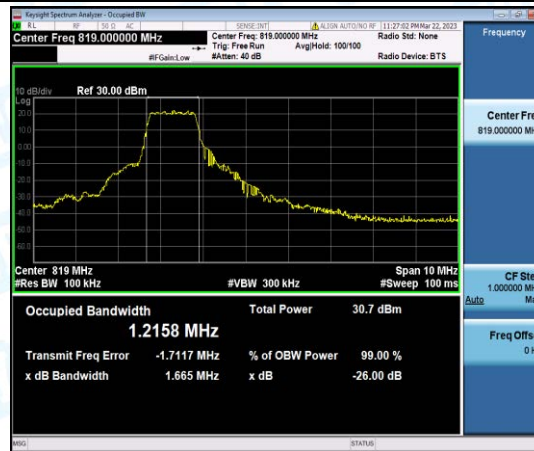
Band26-5MHz-QPSK-26740-6-0-Low-1.2090-1.664-PASS



Band26-5MHz-QPSK-26765-6-0-High-1.2131-1.704-PASS



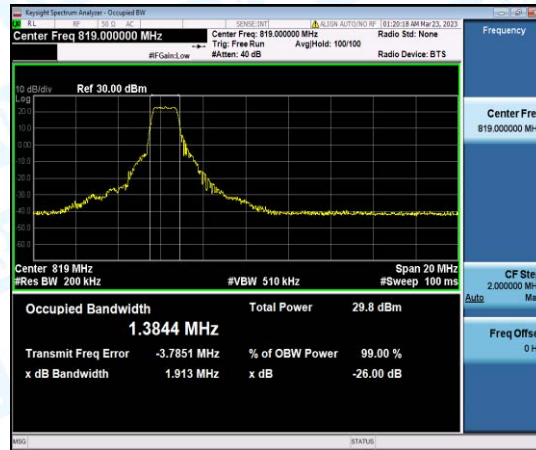
Band26-5MHz-16QAM-26715-6-0-Low-1.2120-1.519-PASS



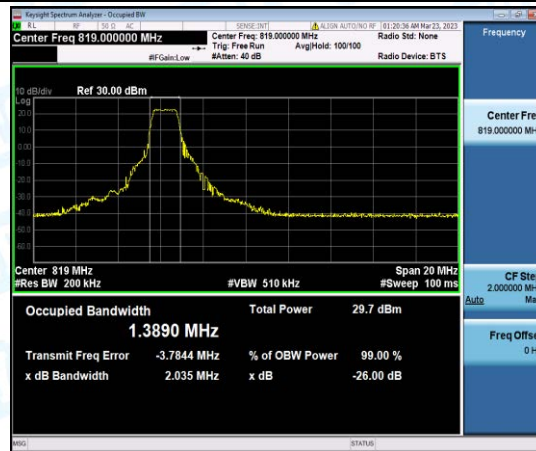
Band26-5MHz-16QAM-26740-6-0-Low-1.2158-1.665-PASS



Band26-5MHz-16QAM-26765-6-0-High-1.2095-1.623-PASS



Band26-10MHz-QPSK-26740-6-0-Low-1.3844-1.913-PASS



Band26-10MHz-16QAM-26740-6-0-Low-1.3890-2.035-PASS

4: Band Edge for M1

4.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Result(dBm)	Verdict
Band26	1.4MHz	26697	QPSK	1	0	Low	-22.71,-30.11	PASS
Band26	1.4MHz	26697	QPSK	6	0	Low	-30.02,-34.88	PASS
Band26	1.4MHz	26740	QPSK	1	0	Low	-58.07,-57.77	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	-58.34,-57.83	PASS
Band26	1.4MHz	26783	QPSK	1	0	High	-34.19,-39.44	PASS
Band26	1.4MHz	26783	QPSK	6	0	High	-29.25,-32.90	PASS
Band26	1.4MHz	26697	16QAM	1	0	Low	-22.25,-28.88	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	-29.06,-33.20	PASS
Band26	1.4MHz	26740	16QAM	1	0	Low	-57.87,-57.73	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	-58.07,-57.94	PASS
Band26	1.4MHz	26783	16QAM	1	0	High	-35.29,-39.96	PASS
Band26	1.4MHz	26783	16QAM	6	0	High	-30.34,-34.38	PASS
Band26	3MHz	26705	QPSK	1	0	Low	-34.38,-39.04	PASS
Band26	3MHz	26705	QPSK	6	0	Low	-33.52,-32.86	PASS
Band26	3MHz	26740	QPSK	1	0	Low	-56.22,-55.91	PASS
Band26	3MHz	26740	QPSK	6	0	Low	-56.14,-55.90	PASS
Band26	3MHz	26775	QPSK	1	0	High	-48.62,-36.44	PASS
Band26	3MHz	26775	QPSK	6	0	High	-32.62,-33.13	PASS
Band26	3MHz	26705	16QAM	1	0	Low	-41.58,-34.61	PASS
Band26	3MHz	26705	16QAM	6	0	Low	-33.92,-32.87	PASS
Band26	3MHz	26740	16QAM	1	0	Low	-55.95,-55.87	PASS
Band26	3MHz	26740	16QAM	6	0	Low	-56.11,-55.77	PASS
Band26	3MHz	26775	16QAM	1	0	High	-49.25,-35.92	PASS
Band26	3MHz	26775	16QAM	6	0	High	-33.06,-32.36	PASS
Band26	5MHz	26715	QPSK	1	0	Low	-23.10,-26.77	PASS
Band26	5MHz	26715	QPSK	6	0	Low	-25.65,-26.35	PASS
Band26	5MHz	26740	QPSK	1	0	Low	-53.26,-53.16	PASS
Band26	5MHz	26740	QPSK	6	0	Low	-53.49,-53.16	PASS
Band26	5MHz	26765	QPSK	1	0	High	-37.47,-34.10	PASS
Band26	5MHz	26765	QPSK	6	0	High	-24.46,-25.26	PASS
Band26	5MHz	26715	16QAM	1	0	Low	-24.75,-27.96	PASS
Band26	5MHz	26715	16QAM	6	0	Low	-25.54,-25.88	PASS
Band26	5MHz	26740	16QAM	1	0	Low	-53.43,-53.17	PASS
Band26	5MHz	26740	16QAM	6	0	Low	-53.43,-53.12	PASS
Band26	5MHz	26765	16QAM	1	0	High	-35.52,-33.29	PASS
Band26	5MHz	26765	16QAM	6	0	High	-23.66,-25.66	PASS
Band26	10MHz	26740	QPSK	1	0	Low	-50.51,-50.33	PASS
Band26	10MHz	26740	QPSK	6	0	Low	-50.41,-50.31	PASS
Band26	10MHz	26740	16QAM	1	0	Low	-50.62,-50.26	PASS
Band26	10MHz	26740	16QAM	6	0	Low	-50.49,-50.35	PASS

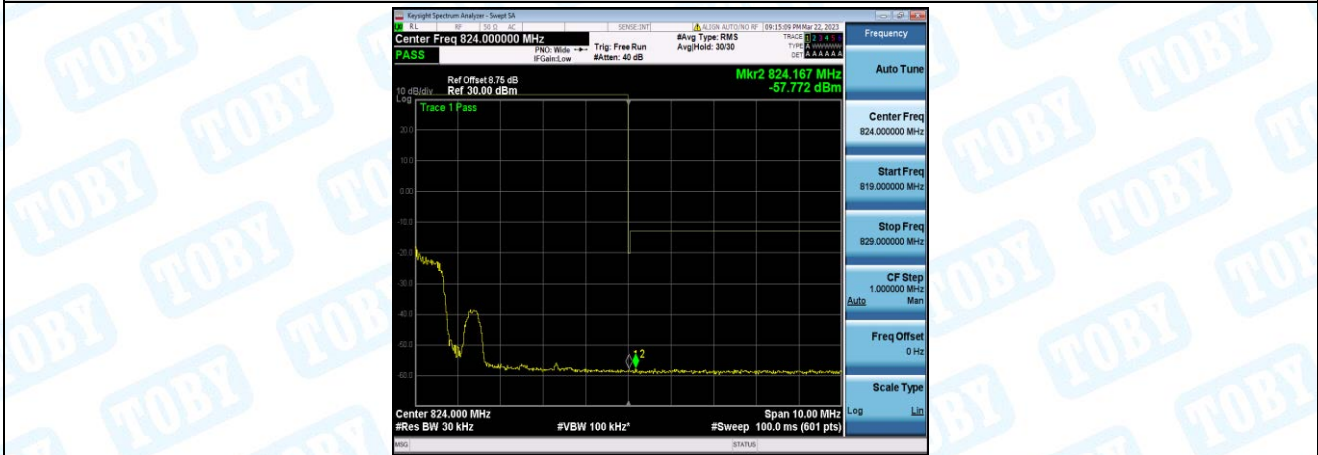
4.2 Test Graphs



Band26-1.4MHz-QPSK-26697-1-0-Low--22.71,-30.11-PASS



Band26-1.4MHz-QPSK-26697-6-0-Low--30.02,-34.88-PASS



Band26-1.4MHz-QPSK-26740-1-0-Low--58.07,-57.77-PASS



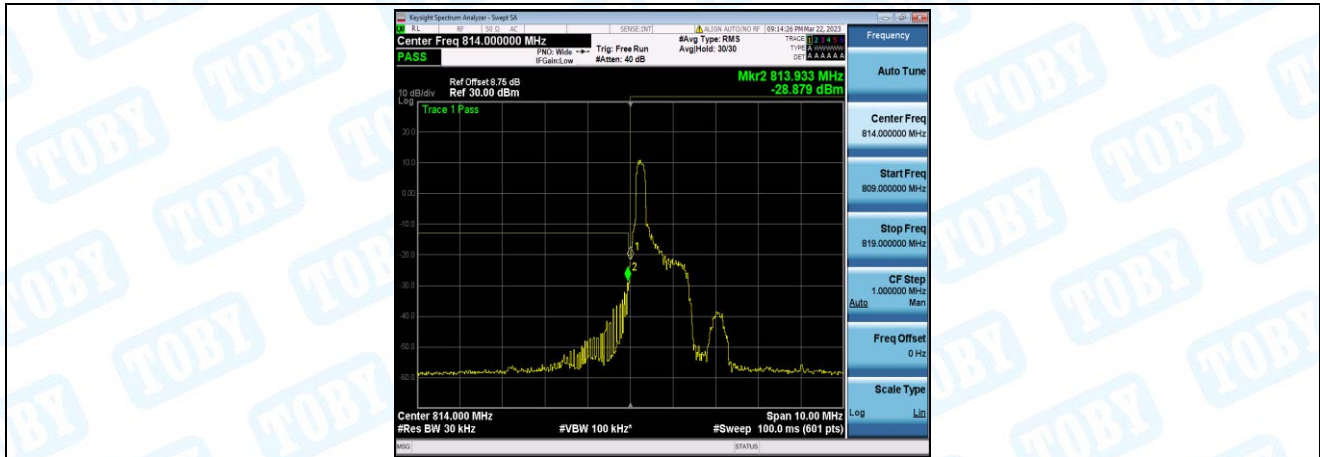
Band26-1.4MHz-QPSK-26740-6-0-Low--58.34,-57.83-PASS



Band26-1.4MHz-QPSK-26783-1-0-High--34.19,-39.44-PASS



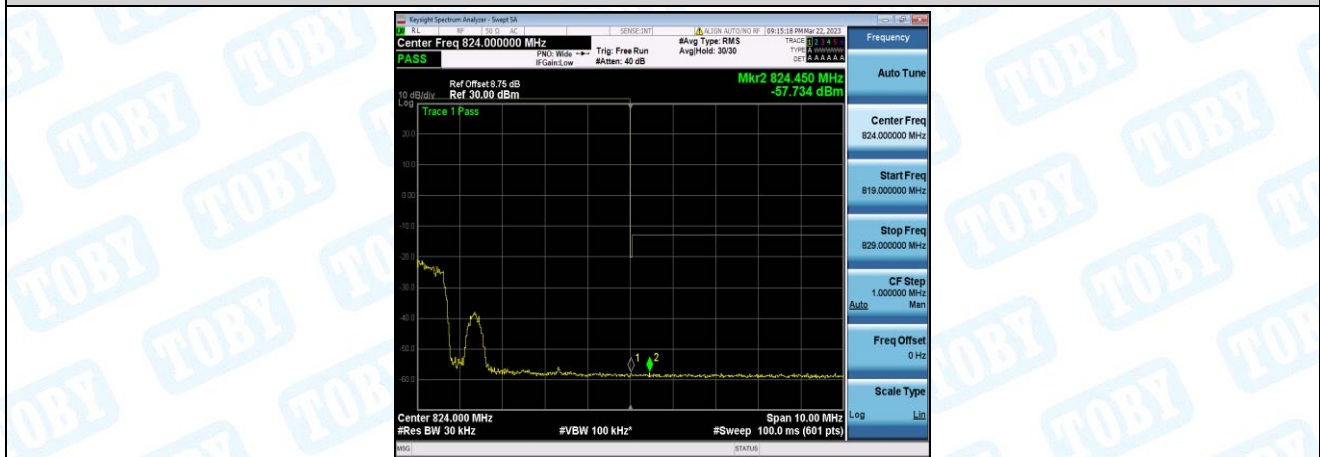
Band26-1.4MHz-QPSK-26783-6-0-High--29.25,-32.90-PASS



Band26-1.4MHz-16QAM-26697-1-0-Low--22.25,-28.88-PASS



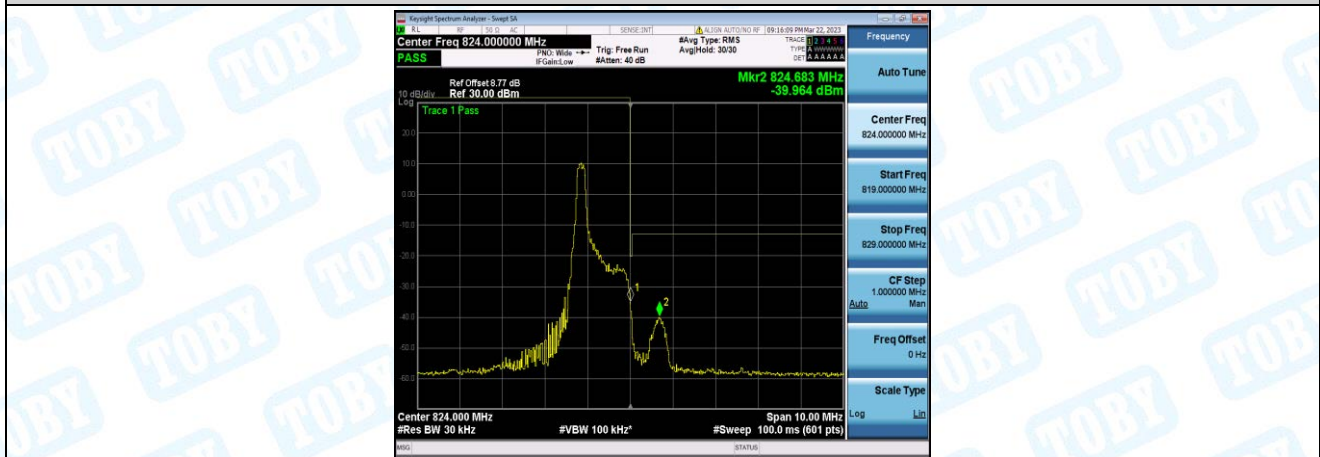
Band26-1.4MHz-16QAM-26697-6-0-Low--29.06,-33.20-PASS



Band26-1.4MHz-16QAM-26740-1-0-Low--57.87,-57.73-PASS



Band26-1.4MHz-16QAM-26740-6-0-Low--58.07,-57.94-PASS



Band26-1.4MHz-16QAM-26783-1-0-High--35.29,-39.96-PASS



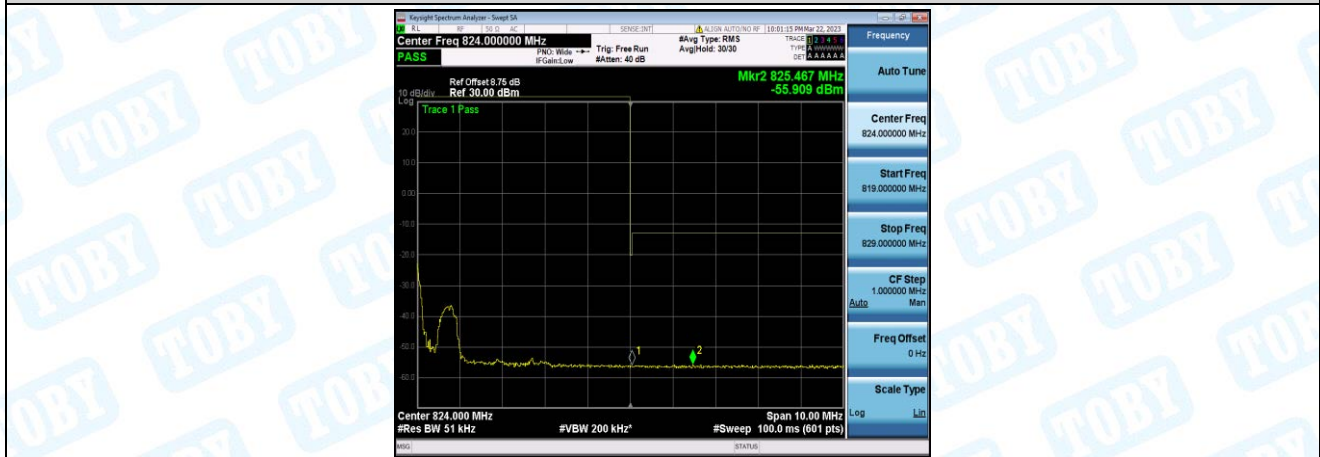
Band26-1.4MHz-16QAM-26783-6-0-High--30.34,-34.38-PASS



Band26-3MHz-QPSK-26705-1-0-Low--34.38,-39.04-PASS



Band26-3MHz-QPSK-26705-6-0-Low--33.52,-32.86-PASS



Band26-3MHz-QPSK-26740-1-0-Low--56.22,-55.91-PASS