

FCC LTE-Cat M1 Band26A Test Data

General Description of EUT	
Product Name:	Elevate Telematic Unit
Test Model:	p5
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 3.7V
Test Engineer:	Yan zhen ming
Note: For a more detailed features description, please refer to the report TBR-C-202307-0089-22 . The report only show the worst case data.	

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1. Conducted Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result (dBm)	Limit	Verdict
Band26	1.4MHz	QPSK	26697	1	0	Low	22.50	50	PASS
Band26	1.4MHz	QPSK	26697	1	5	Low	22.73	50	PASS
Band26	1.4MHz	QPSK	26697	6	0	Low	20.82	50	PASS
Band26	1.4MHz	QPSK	26740	1	0	Low	23.14	50	PASS
Band26	1.4MHz	QPSK	26740	1	5	Low	23.07	50	PASS
Band26	1.4MHz	QPSK	26740	6	0	Low	20.93	50	PASS
Band26	1.4MHz	QPSK	26783	1	0	High	23.11	50	PASS
Band26	1.4MHz	QPSK	26783	1	5	High	23.06	50	PASS
Band26	1.4MHz	QPSK	26783	6	0	High	20.88	50	PASS
Band26	1.4MHz	16QAM	26697	1	0	Low	21.68	50	PASS
Band26	1.4MHz	16QAM	26697	1	5	Low	22.29	50	PASS
Band26	1.4MHz	16QAM	26697	6	0	Low	20.83	50	PASS
Band26	1.4MHz	16QAM	26740	1	0	Low	21.36	50	PASS
Band26	1.4MHz	16QAM	26740	1	5	Low	21.52	50	PASS
Band26	1.4MHz	16QAM	26740	6	0	Low	20.93	50	PASS
Band26	1.4MHz	16QAM	26783	1	0	High	21.79	50	PASS
Band26	1.4MHz	16QAM	26783	1	5	High	22.35	50	PASS
Band26	1.4MHz	16QAM	26783	6	0	High	20.87	50	PASS
Band26	3MHz	QPSK	26705	1	0	Low	22.55	50	PASS
Band26	3MHz	QPSK	26705	1	5	Low	22.73	50	PASS
Band26	3MHz	QPSK	26705	6	0	Low	20.86	50	PASS
Band26	3MHz	QPSK	26740	1	0	Low	22.90	50	PASS
Band26	3MHz	QPSK	26740	1	5	Low	23.04	50	PASS
Band26	3MHz	QPSK	26740	6	0	Low	20.82	50	PASS
Band26	3MHz	QPSK	26775	1	0	High	23.20	50	PASS
Band26	3MHz	QPSK	26775	1	5	High	23.09	50	PASS
Band26	3MHz	QPSK	26775	6	0	High	20.79	50	PASS
Band26	3MHz	16QAM	26705	1	0	Low	21.87	50	PASS
Band26	3MHz	16QAM	26705	1	5	Low	22.09	50	PASS
Band26	3MHz	16QAM	26705	6	0	Low	20.73	50	PASS
Band26	3MHz	16QAM	26740	1	0	Low	21.26	50	PASS
Band26	3MHz	16QAM	26740	1	5	Low	21.44	50	PASS
Band26	3MHz	16QAM	26740	6	0	Low	20.82	50	PASS
Band26	3MHz	16QAM	26775	1	0	High	21.74	50	PASS
Band26	3MHz	16QAM	26775	1	5	High	21.94	50	PASS
Band26	3MHz	16QAM	26775	6	0	High	20.79	50	PASS
Band26	5MHz	QPSK	26715	1	0	Low	22.78	50	PASS
Band26	5MHz	QPSK	26715	1	5	Low	22.79	50	PASS
Band26	5MHz	QPSK	26715	6	0	Low	22.03	50	PASS
Band26	5MHz	QPSK	26740	1	0	Low	23.21	50	PASS
Band26	5MHz	QPSK	26740	1	5	Low	23.30	50	PASS
Band26	5MHz	QPSK	26740	6	0	Low	21.93	50	PASS
Band26	5MHz	QPSK	26785	1	0	High	22.97	50	PASS
Band26	5MHz	QPSK	26785	1	5	High	23.04	50	PASS
Band26	5MHz	QPSK	26785	6	0	High	21.84	50	PASS
Band26	5MHz	16QAM	26715	1	0	Low	23.43	50	PASS
Band26	5MHz	16QAM	26715	1	5	Low	23.59	50	PASS
Band26	5MHz	16QAM	26715	6	0	Low	22.03	50	PASS
Band26	5MHz	16QAM	26740	1	0	Low	22.77	50	PASS
Band26	5MHz	16QAM	26740	1	5	Low	23.03	50	PASS
Band26	5MHz	16QAM	26740	6	0	Low	21.93	50	PASS

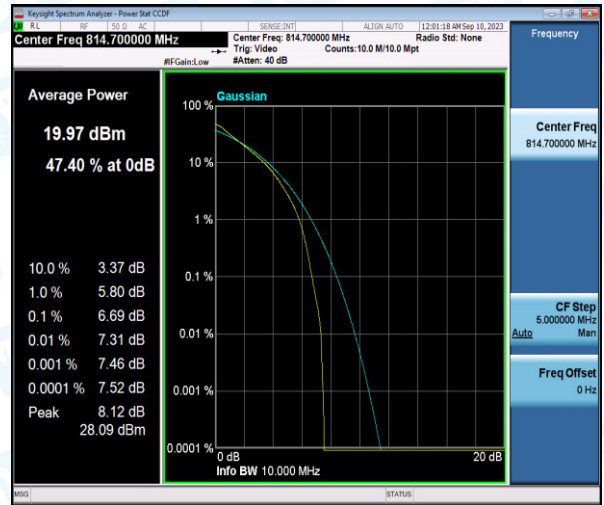
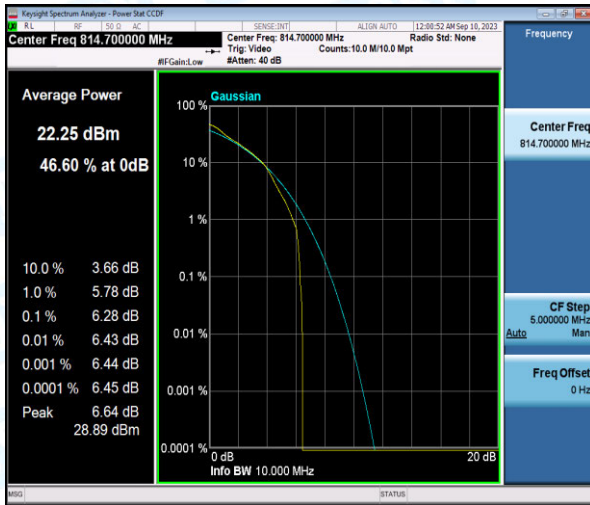
Band26	5MHz	16QAM	26785	1	0	High	22.64	50	PASS
Band26	5MHz	16QAM	26785	1	5	High	22.62	50	PASS
Band26	5MHz	16QAM	26785	6	0	High	21.84	50	PASS
Band26	10MHz	QPSK	26740	1	0	Low	22.56	50	PASS
Band26	10MHz	QPSK	26740	1	5	Low	22.65	50	PASS
Band26	10MHz	QPSK	26740	6	0	Low	21.85	50	PASS
Band26	10MHz	16QAM	26740	1	0	Low	23.30	50	PASS
Band26	10MHz	16QAM	26740	1	5	Low	23.43	50	PASS
Band26	10MHz	16QAM	26740	6	0	Low	21.76	50	PASS

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

Test Result

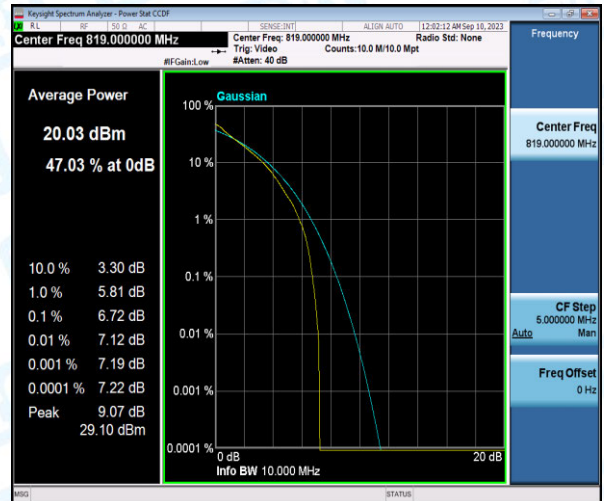
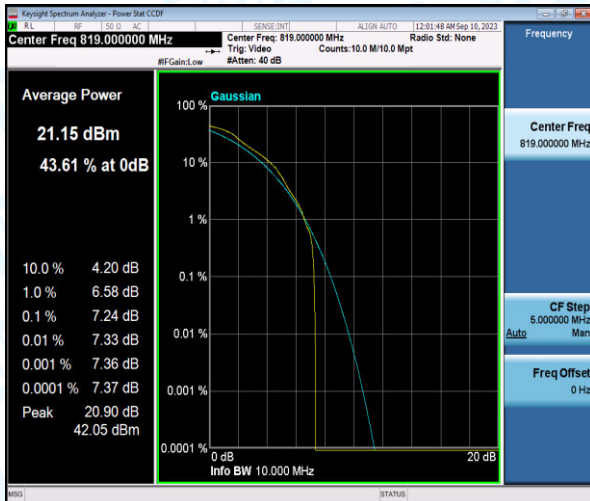
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	26697	QPSK	1	0	Low	6.28	<=13	PASS
Band26	1.4MHz	26697	QPSK	6	0	Low	6.69	<=13	PASS
Band26	1.4MHz	26740	QPSK	1	0	Low	7.24	<=13	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	6.72	<=13	PASS
Band26	1.4MHz	26783	QPSK	1	0	High	7.28	<=13	PASS
Band26	1.4MHz	26783	QPSK	6	0	High	6.43	<=13	PASS
Band26	1.4MHz	26697	16QAM	1	0	Low	6.26	<=13	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	6.63	<=13	PASS
Band26	1.4MHz	26740	16QAM	1	0	Low	7.48	<=13	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	6.88	<=13	PASS
Band26	1.4MHz	26783	16QAM	1	0	High	7.88	<=13	PASS
Band26	1.4MHz	26783	16QAM	6	0	High	6.44	<=13	PASS
Band26	3MHz	26705	QPSK	1	0	Low	6.43	<=13	PASS
Band26	3MHz	26705	QPSK	6	0	Low	6.17	<=13	PASS
Band26	3MHz	26740	QPSK	1	0	Low	6.68	<=13	PASS
Band26	3MHz	26740	QPSK	6	0	Low	6.01	<=13	PASS
Band26	3MHz	26775	QPSK	1	0	High	6.19	<=13	PASS
Band26	3MHz	26775	QPSK	6	0	High	6.12	<=13	PASS
Band26	3MHz	26705	16QAM	1	0	Low	6.41	<=13	PASS
Band26	3MHz	26705	16QAM	6	0	Low	5.96	<=13	PASS
Band26	3MHz	26740	16QAM	1	0	Low	7.09	<=13	PASS
Band26	3MHz	26740	16QAM	6	0	Low	6.00	<=13	PASS
Band26	3MHz	26775	16QAM	1	0	High	7.34	<=13	PASS
Band26	3MHz	26775	16QAM	6	0	High	6.23	<=13	PASS
Band26	5MHz	26715	QPSK	1	0	Low	6.29	<=13	PASS
Band26	5MHz	26715	QPSK	6	0	Low	6.35	<=13	PASS
Band26	5MHz	26740	QPSK	1	0	Low	5.54	<=13	PASS
Band26	5MHz	26740	QPSK	6	0	Low	6.50	<=13	PASS
Band26	5MHz	26785	QPSK	1	0	High	5.61	<=13	PASS
Band26	5MHz	26785	QPSK	6	0	High	6.24	<=13	PASS
Band26	5MHz	26715	16QAM	1	0	Low	6.82	<=13	PASS
Band26	5MHz	26715	16QAM	6	0	Low	6.41	<=13	PASS
Band26	5MHz	26740	16QAM	1	0	Low	7.55	<=13	PASS
Band26	5MHz	26740	16QAM	6	0	Low	6.56	<=13	PASS
Band26	5MHz	26785	16QAM	1	0	High	7.12	<=13	PASS
Band26	5MHz	26785	16QAM	6	0	High	6.27	<=13	PASS
Band26	10MHz	26740	QPSK	1	0	Low	6.48	<=13	PASS
Band26	10MHz	26740	QPSK	6	0	Low	6.40	<=13	PASS
Band26	10MHz	26740	16QAM	1	0	Low	7.02	<=13	PASS
Band26	10MHz	26740	16QAM	6	0	Low	6.12	<=13	PASS

Test Graphs



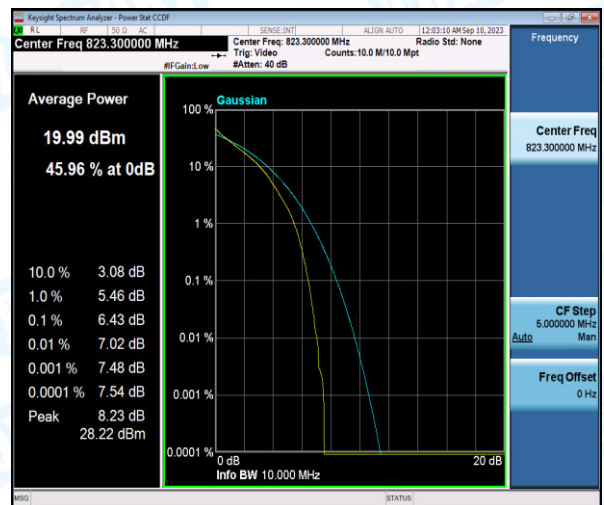
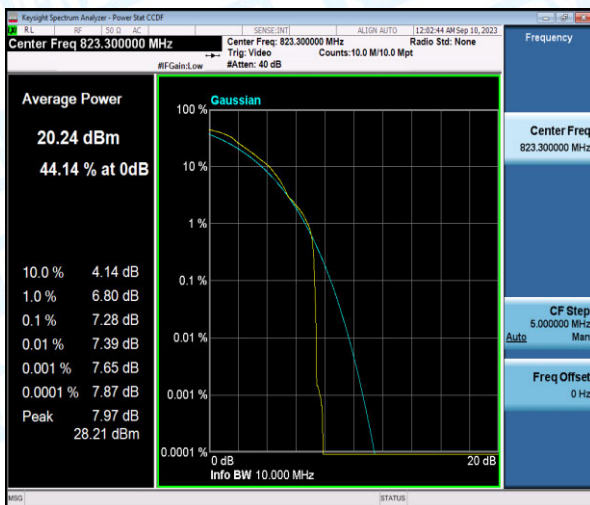
Band26-1.4MHz-QPSK-26697-1-0-Low-6.28-<=13-PASS

Band26-1.4MHz-QPSK-26697-6-0-Low-6.69-<=13-PASS



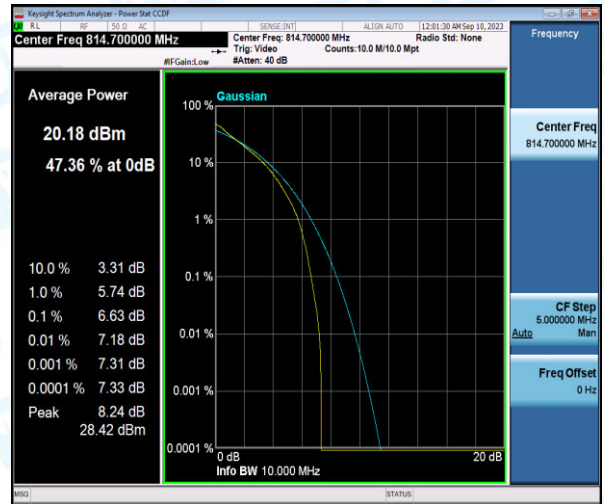
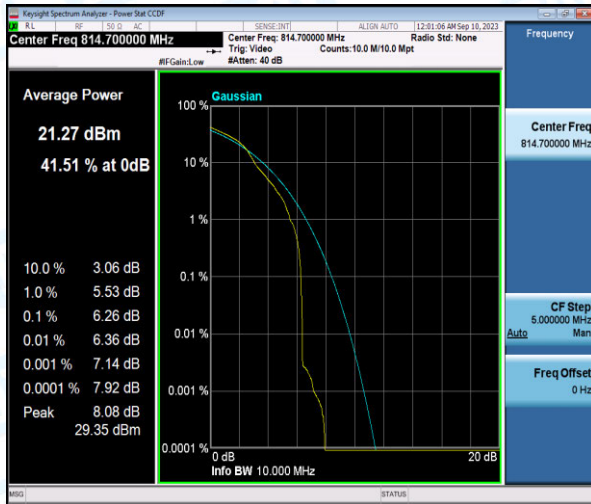
Band26-1.4MHz-QPSK-26740-1-0-Low-7.24-<=13-PASS

Band26-1.4MHz-QPSK-26740-6-0-Low-6.72-<=13-PASS



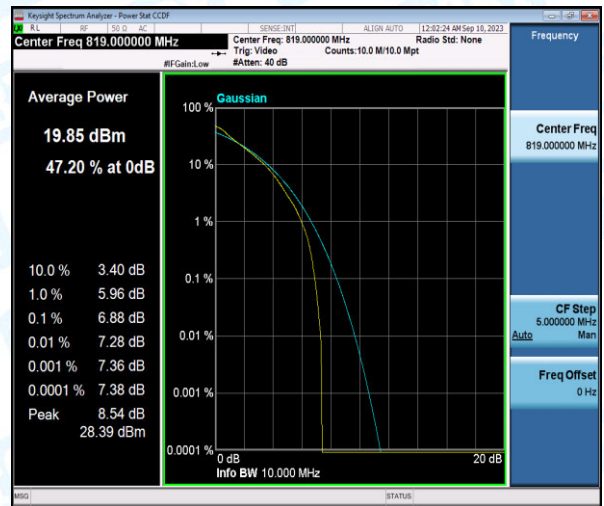
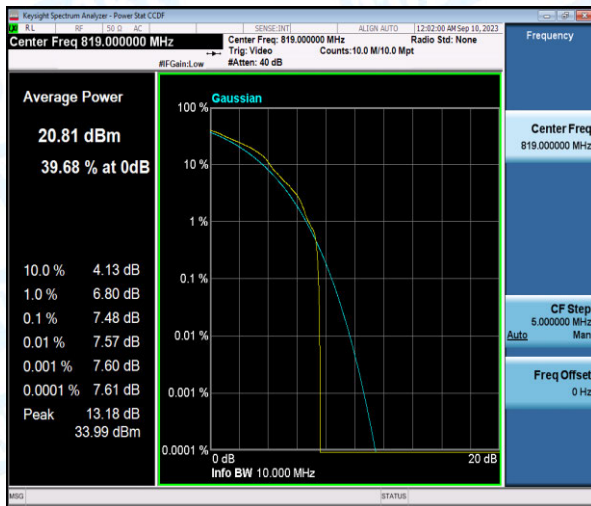
Band26-1.4MHz-QPSK-26783-1-0-High-7.28-<=13-PASS

Band26-1.4MHz-QPSK-26783-6-0-High-6.43-<=13-PASS



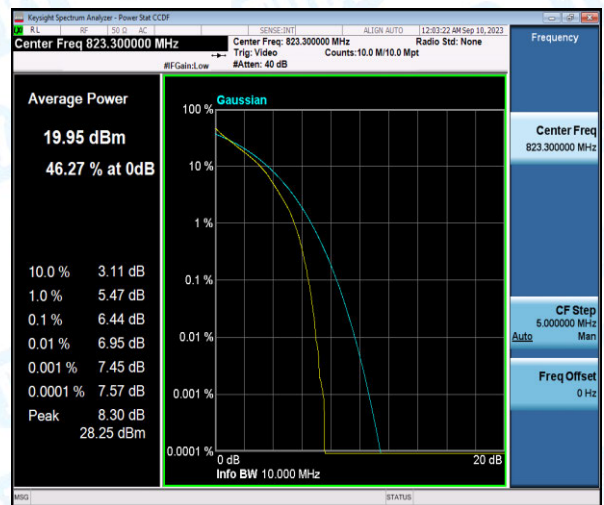
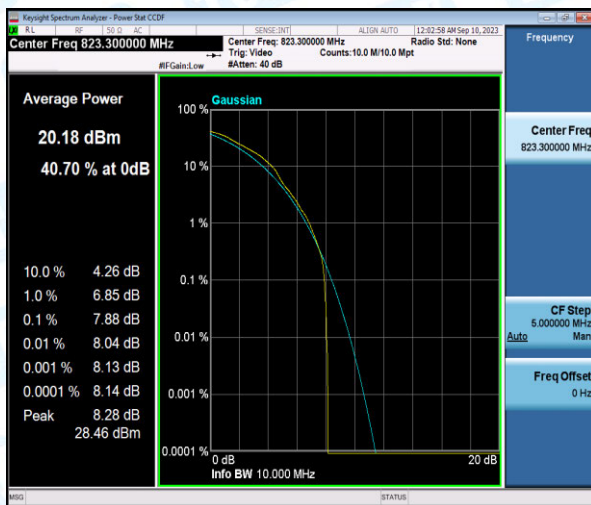
Band26-1.4MHz-16QAM-26697-1-0-Low-6.26-<=13-PASS

Band26-1.4MHz-16QAM-26697-6-0-Low-6.63-<=13-PASS



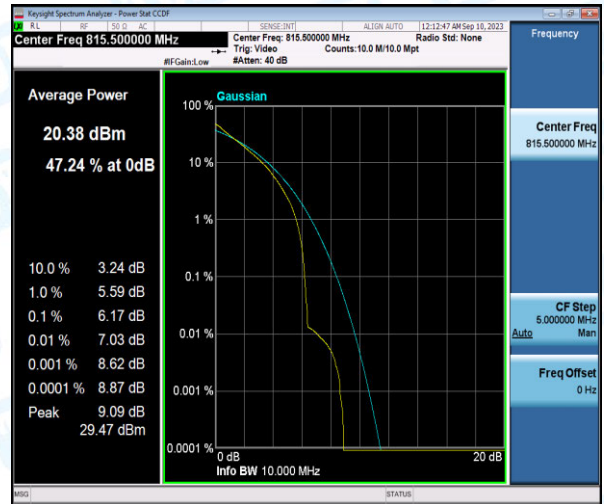
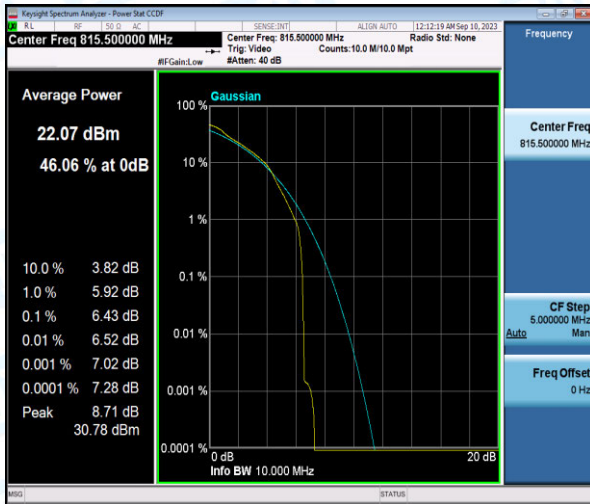
Band26-1.4MHz-16QAM-26740-1-0-Low-7.48-<=13-PASS

Band26-1.4MHz-16QAM-26740-6-0-Low-6.88-<=13-PASS



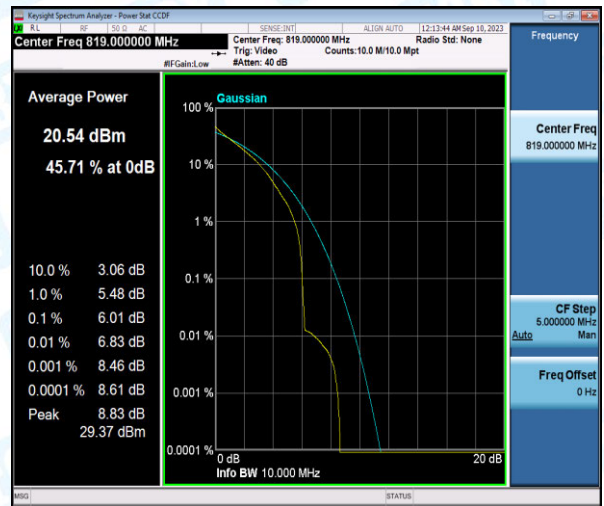
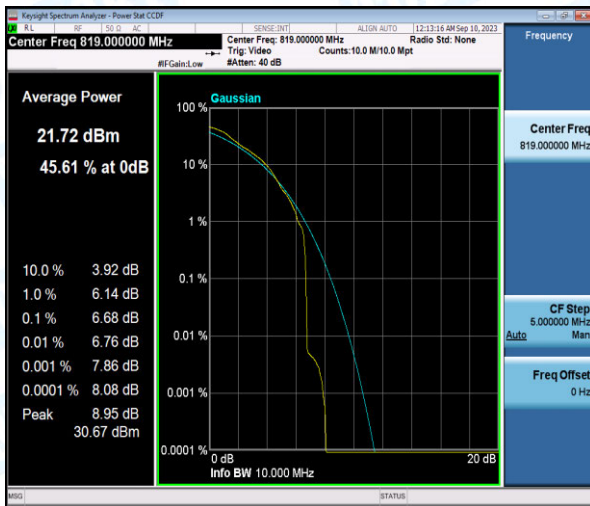
Band26-1.4MHz-16QAM-26783-1-0-High-7.88-<=13-PASS

Band26-1.4MHz-16QAM-26783-6-0-High-6.44-<=13-PASS



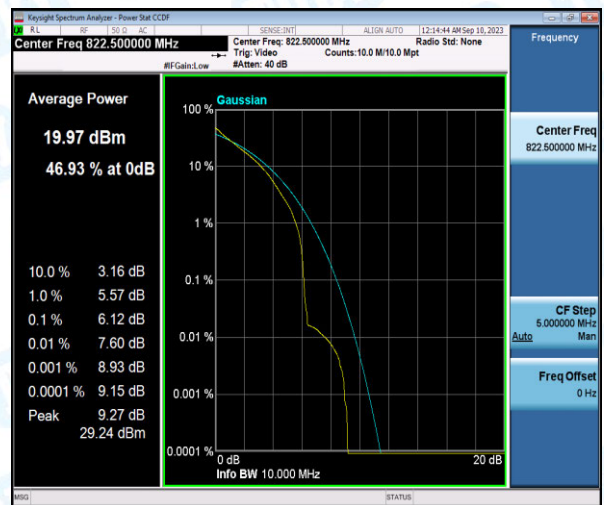
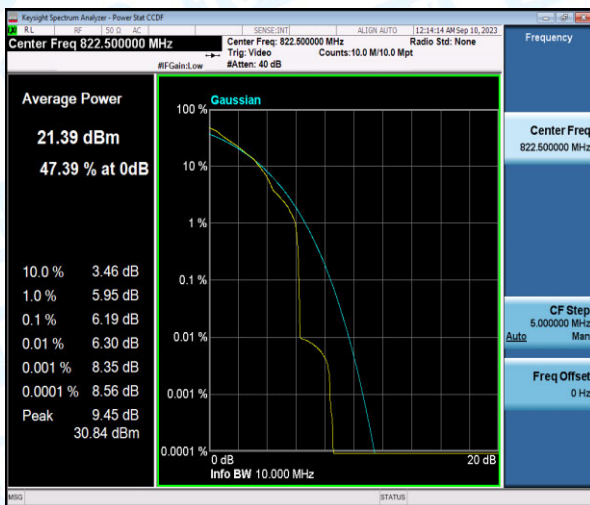
Band26-3MHz-QPSK-26705-1-0-Low-6.43-<=13-PASS

Band26-3MHz-QPSK-26705-6-0-Low-6.17-<=13-PASS



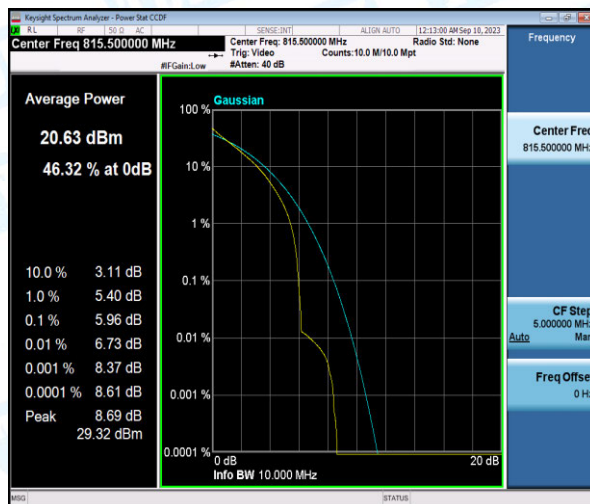
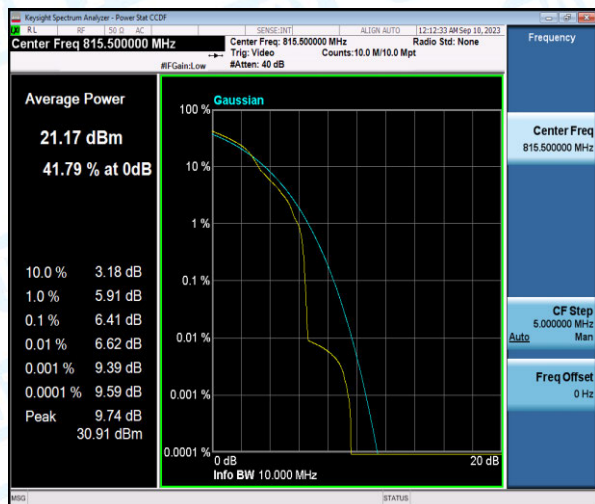
Band26-3MHz-QPSK-26740-1-0-Low-6.68-<=13-PASS

Band26-3MHz-QPSK-26740-6-0-Low-6.01-<=13-PASS



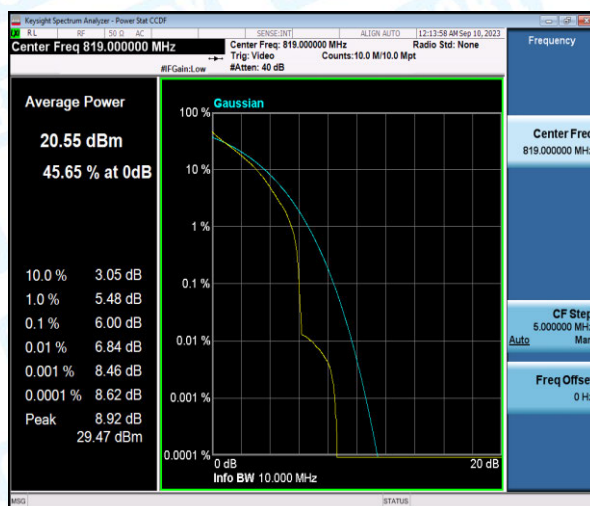
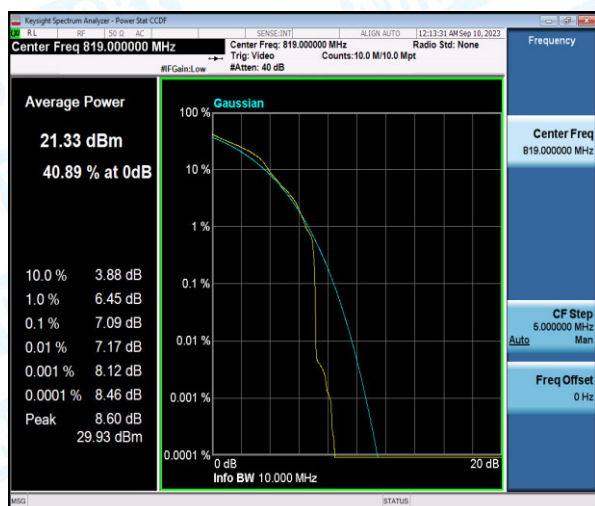
Band26-3MHz-QPSK-26775-1-0-High-6.19-<=13-PASS

Band26-3MHz-QPSK-26775-6-0-High-6.12-<=13-PASS



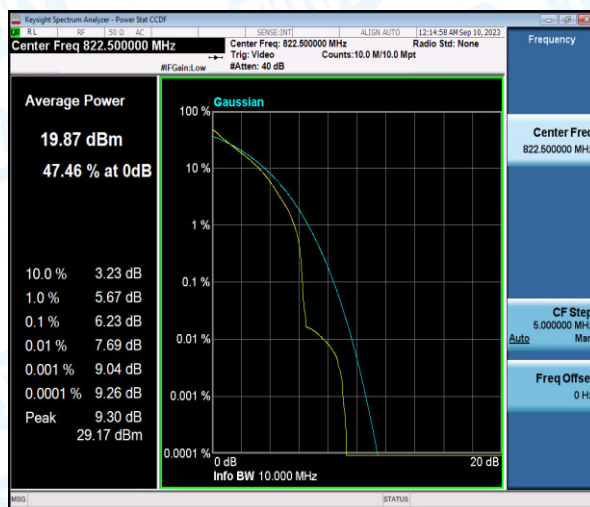
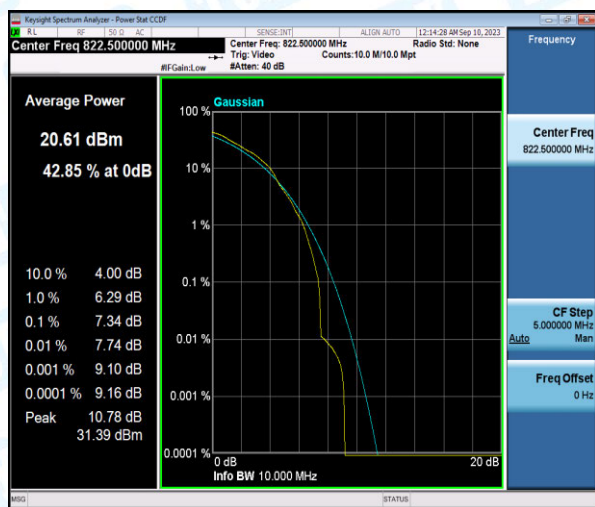
Band26-3MHz-16QAM-26705-1-0-Low-6.41-<=13-PASS

Band26-3MHz-16QAM-26705-6-0-Low-5.96-<=13-PASS



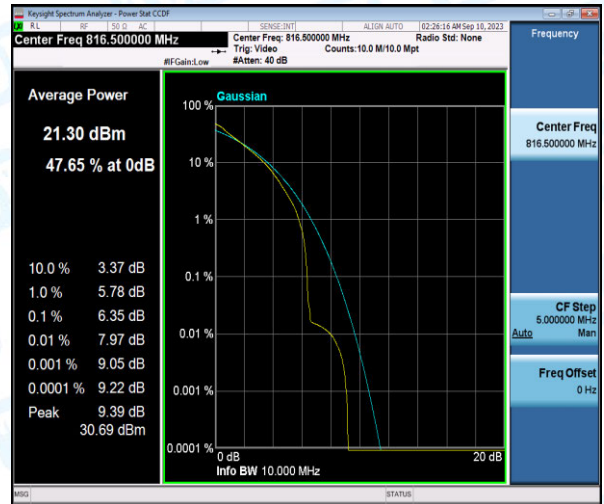
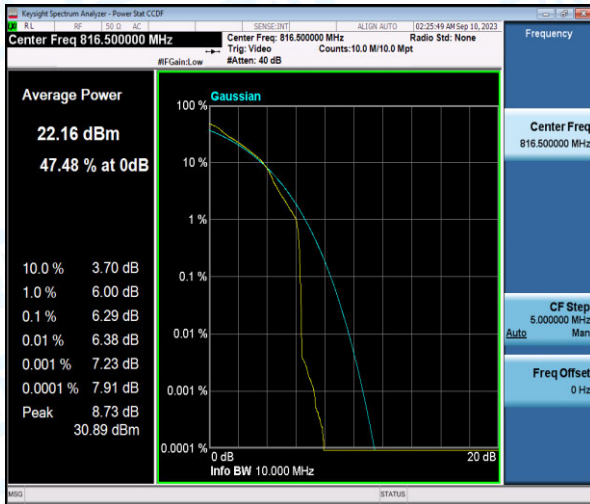
Band26-3MHz-16QAM-26740-1-0-Low-7.09-<=13-PASS

Band26-3MHz-16QAM-26740-6-0-Low-6.00-<=13-PASS



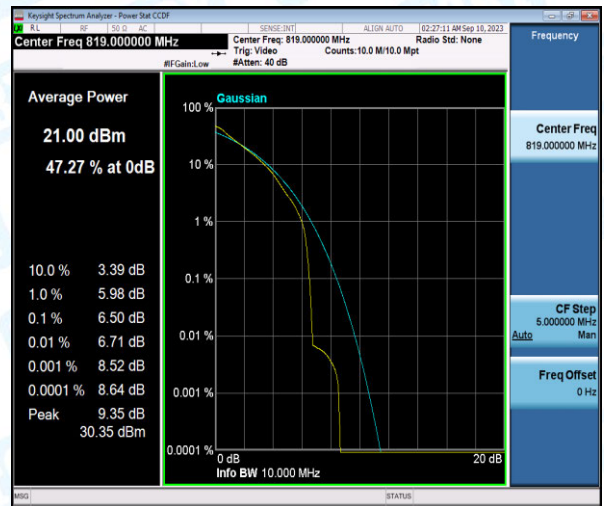
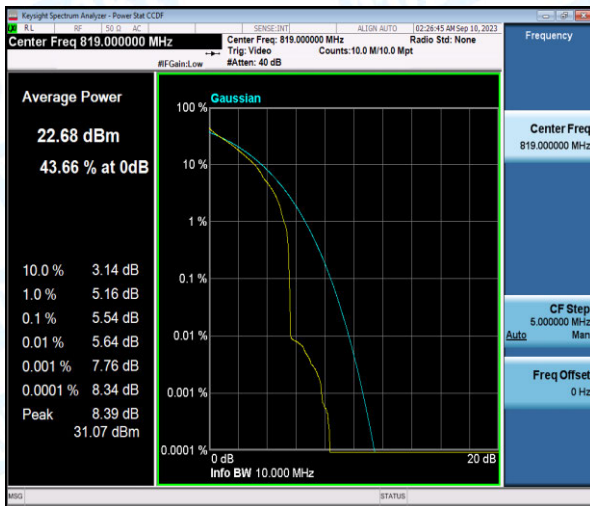
Band26-3MHz-16QAM-26775-1-0-High-7.34-<=13-PASS

Band26-3MHz-16QAM-26775-6-0-High-6.23-<=13-PASS



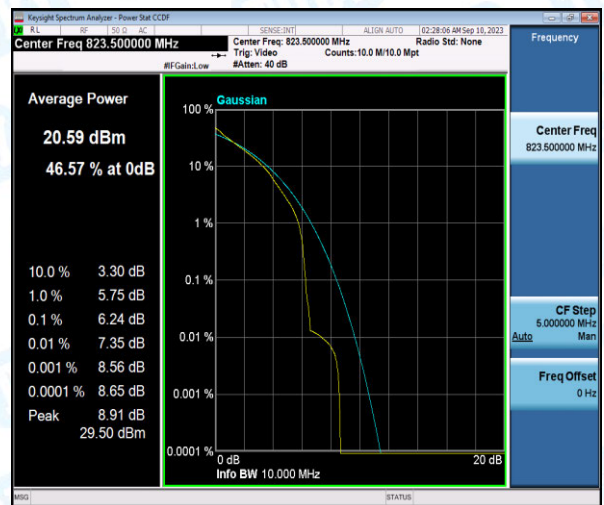
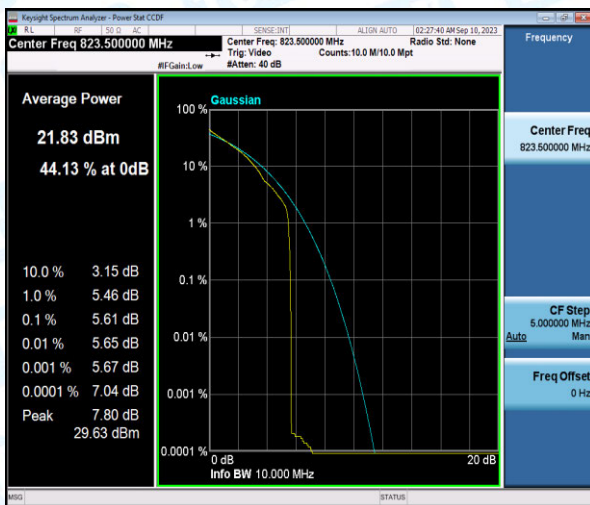
Band26-5MHz-QPSK-26715-1-0-Low-6.29-<=13-PASS

Band26-5MHz-QPSK-26715-6-0-Low-6.35-<=13-PASS



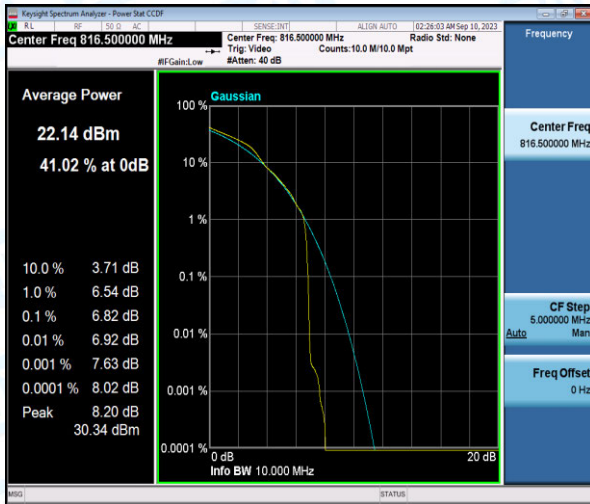
Band26-5MHz-QPSK-26740-1-0-Low-5.54-<=13-PASS

Band26-5MHz-QPSK-26740-6-0-Low-6.50-<=13-PASS



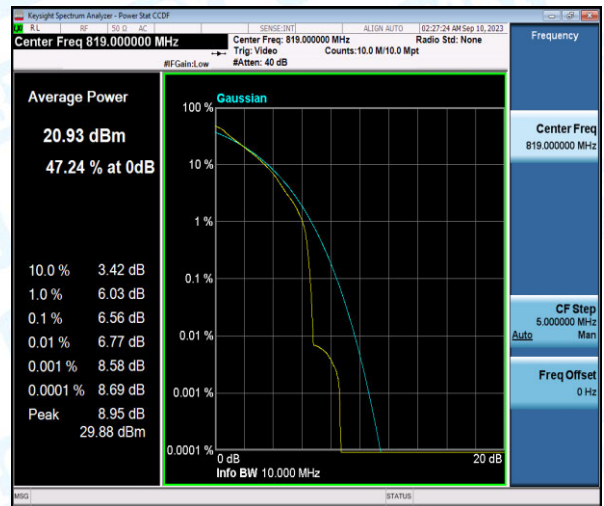
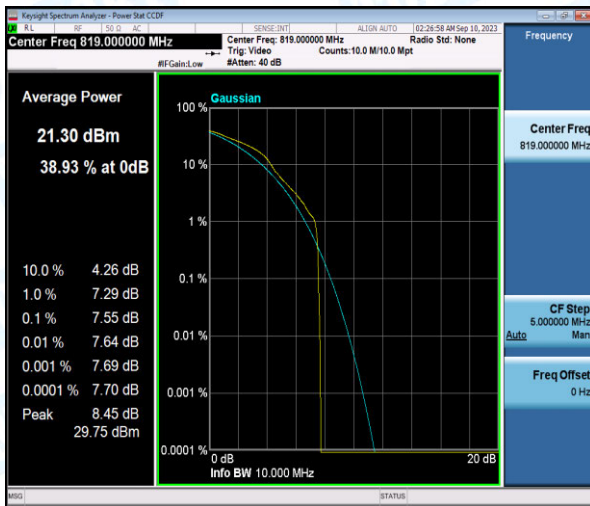
Band26-5MHz-QPSK-26785-1-0-High-5.61-<=13-PASS

Band26-5MHz-QPSK-26785-6-0-High-6.24-<=13-PASS



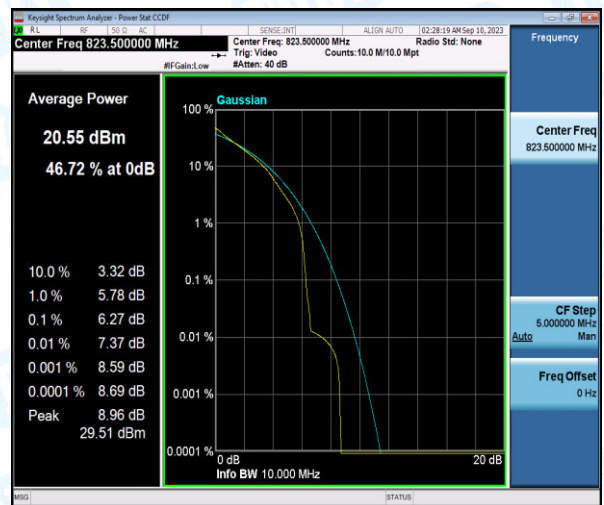
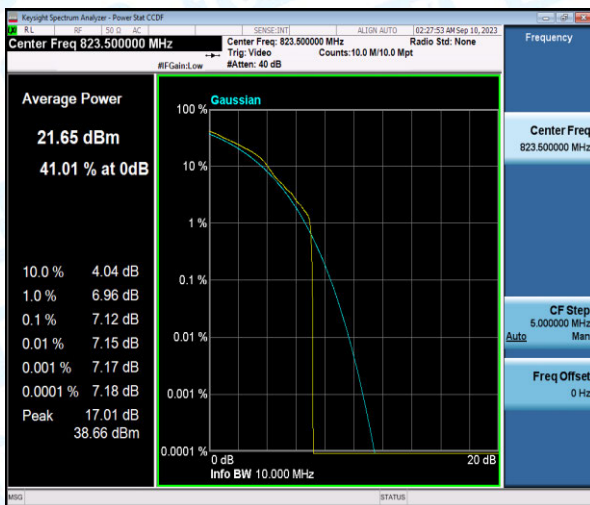
Band26-5MHz-16QAM-26715-1-0-Low-6.82-<=13-PASS

Band26-5MHz-16QAM-26715-6-0-Low-6.41-<=13-PASS



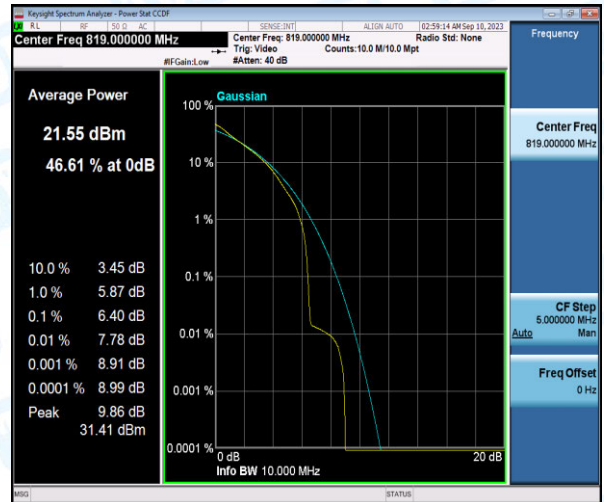
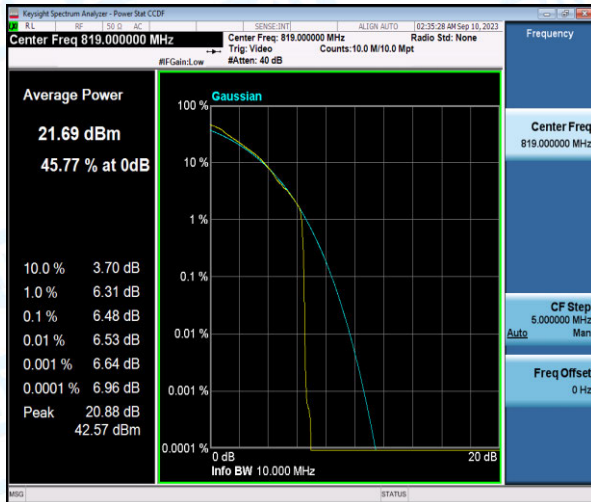
Band26-5MHz-16QAM-26740-1-0-Low-7.55-<=13-PASS

Band26-5MHz-16QAM-26740-6-0-Low-6.56-<=13-PASS



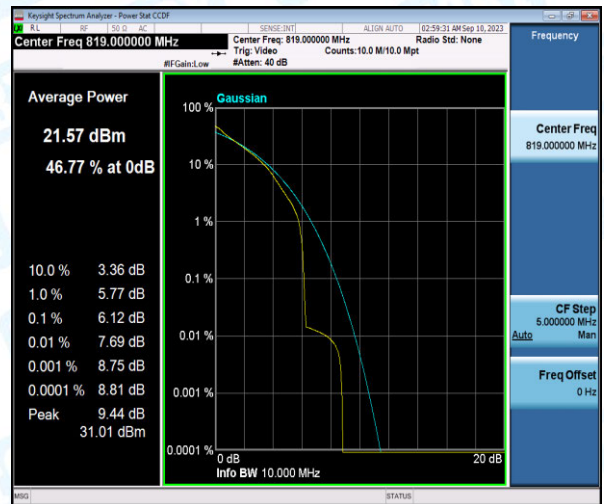
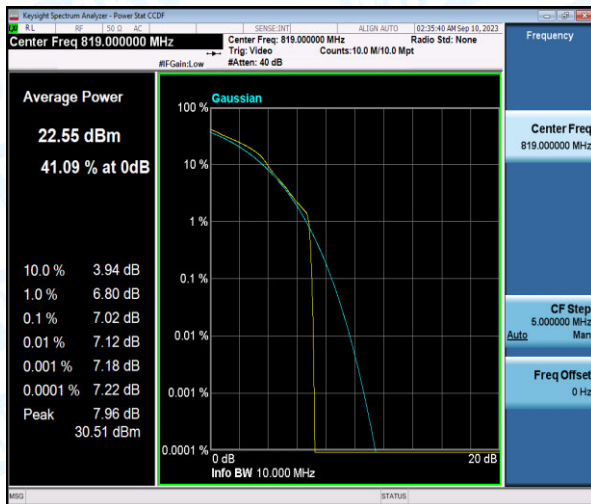
Band26-5MHz-16QAM-26785-1-0-High-7.12-<=13-PASS

Band26-5MHz-16QAM-26785-6-0-High-6.27-<=13-PASS



Band26-10MHz-QPSK-26740-1-0-Low-6.48-<=13-PASS

Band26-10MHz-QPSK-26740-6-0-Low-6.40-<=13-PASS



Band26-10MHz-16QAM-26740-1-0-Low-7.02-<=13-PASS

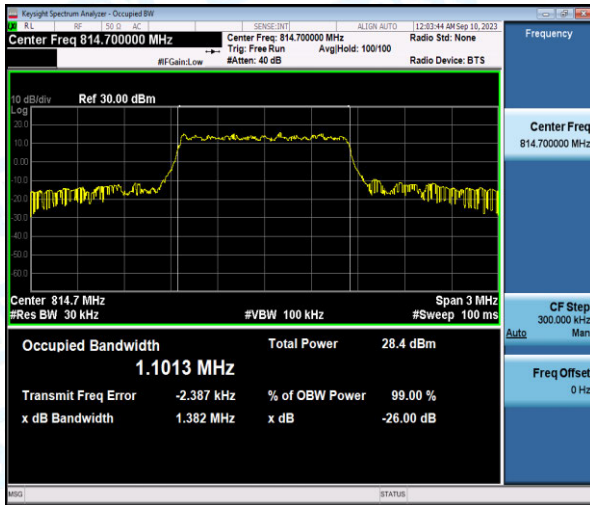
Band26-10MHz-16QAM-26740-6-0-Low-6.12-<=13-PASS

3. 26dB Bandwidth and Occupied Bandwidth for M1

Test Result

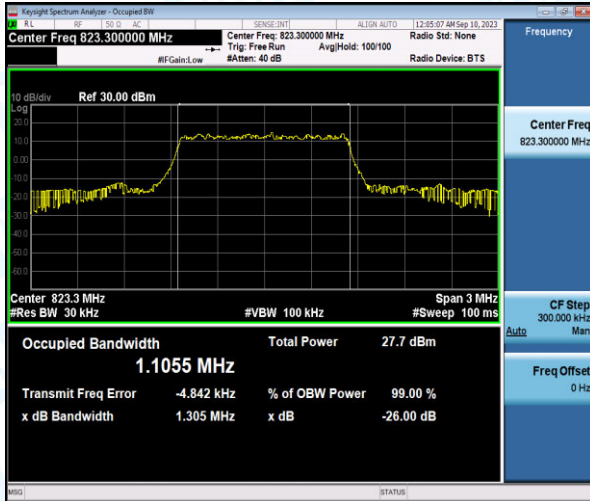
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	26697	QPSK	6	0	Low	1.1013	1.382	PASS
Band26	1.4MHz	26740	QPSK	6	0	Low	1.1077	1.301	PASS
Band26	1.4MHz	26783	QPSK	6	0	High	1.1055	1.305	PASS
Band26	1.4MHz	26697	16QAM	6	0	Low	1.0991	1.376	PASS
Band26	1.4MHz	26740	16QAM	6	0	Low	1.1105	1.298	PASS
Band26	1.4MHz	26783	16QAM	6	0	High	1.1046	1.302	PASS
Band26	3MHz	26705	QPSK	6	0	Low	1.1582	1.613	PASS
Band26	3MHz	26740	QPSK	6	0	Low	1.1688	1.669	PASS
Band26	3MHz	26775	QPSK	6	0	High	1.3163	2.697	PASS
Band26	3MHz	26705	16QAM	6	0	Low	1.1590	1.628	PASS
Band26	3MHz	26740	16QAM	6	0	Low	1.1713	1.657	PASS
Band26	3MHz	26775	16QAM	6	0	High	1.3180	2.704	PASS
Band26	5MHz	26715	QPSK	6	0	Low	1.3378	3.554	PASS
Band26	5MHz	26740	QPSK	6	0	Low	1.3542	3.507	PASS
Band26	5MHz	26785	QPSK	6	0	High	1.7019	3.441	PASS
Band26	5MHz	26715	16QAM	6	0	Low	1.4003	3.504	PASS
Band26	5MHz	26740	16QAM	6	0	Low	1.3592	3.630	PASS
Band26	5MHz	26785	16QAM	6	0	High	1.7056	3.498	PASS
Band26	10MHz	26740	QPSK	6	0	Low	2.4667	4.538	PASS
Band26	10MHz	26740	16QAM	6	0	Low	2.6139	4.615	PASS

Test Graphs



Band26-1.4MHz-QPSK-26697-6-0-Low-1.1013-1.382-PASS

Band26-1.4MHz-QPSK-26740-6-0-Low-1.1077-1.301-PASS



Band26-1.4MHz-QPSK-26783-6-0-High-1.1055-1.305-PASS

Band26-1.4MHz-16QAM-26697-6-0-Low-1.0991-1.376-PASS



Band26-1.4MHz-16QAM-26740-6-0-Low-1.1105-1.298-PASS

Band26-1.4MHz-16QAM-26783-6-0-High-1.1046-1.302-PASS



Band26-3MHz-QPSK-26705-6-0-Low-1.1582-1.613-PASS



Band26-3MHz-QPSK-26740-6-0-Low-1.1688-1.669-PASS



Band26-3MHz-QPSK-26775-6-0-High-1.3163-2.697-PASS



Band26-3MHz-16QAM-26705-6-0-Low-1.1590-1.628-PASS



Band26-3MHz-16QAM-26740-6-0-Low-1.1713-1.657-PASS



Band26-3MHz-16QAM-26775-6-0-High-1.3180-2.704-PASS



Band26-5MHz-QPSK-26715-6-0-Low-1.3378-3.554-PASS



Band26-5MHz-QPSK-26740-6-0-Low-1.3542-3.507-PASS



Band26-5MHz-QPSK-26785-6-0-High-1.7019-3.441-PASS



Band26-5MHz-16QAM-26715-6-0-Low-1.4003-3.504-PASS



Band26-5MHz-16QAM-26740-6-0-Low-1.3592-3.630-PASS



Band26-5MHz-16QAM-26785-6-0-High-1.7056-3.498-PASS