Appendix J: Test Data for E-UTRA Band 5

Product Name: Mobile phone

Test Model: F31tx

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng

J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.85	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.84	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.82	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.81	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.79	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.80	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.72	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.71	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.71	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.71	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	24.02	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.77	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.51	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.72	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.78	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.76	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.72	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.52	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.22	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.91	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.22	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.85	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.30	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.01	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.51	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.58	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.25	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.10	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.27	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.54	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.76	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.57	PASS

Band5	1.4MHz	16QAM	20643	3RB#1	22.76	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.78	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.49	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.86	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.43	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.58	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.95	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.59	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.95	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.62	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.00	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.95	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.38	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.83	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.35	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.09	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.35	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.72	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.14	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.31	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.72	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.31	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.76	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.36	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.73	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.43	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.75	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.30	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.79	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.62	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.73	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.00	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.48	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.61	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.36	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.61	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.34	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.16	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.89	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.34	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.78	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.35	PASS

Band5	3MHz	QPSK	20635	8RB#7	22.64	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.23	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.73	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.16	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.64	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.38	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.60	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.43	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.71	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.43	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.79	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.16	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.46	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.16	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.80	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.15	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.70	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.24	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.44	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.52	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.37	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.49	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.55	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.69	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.26	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.71	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.28	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.80	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.16	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.75	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.25	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.60	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.01	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.53	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.99	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.86	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.61	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.84	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.33	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.90	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.35	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.76	PASS

Band5	5MHz	16QAM	20625	12RB#13	22.16	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.38	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.50	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.03	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.53	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.03	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.49	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.03	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.67	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.12	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.66	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.98	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.70	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.05	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.61	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.12	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.57	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.14	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.63	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.20	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.53	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.35	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.74	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.24	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.75	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.25	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.71	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.28	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.78	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.18	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.63	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.72	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.65	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.63	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.20	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.06	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.71	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.25	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.80	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.27	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.79	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.35	PASS

Band5	10MHz	QPSK	20600	50RB#0	22.74	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.29	PASS

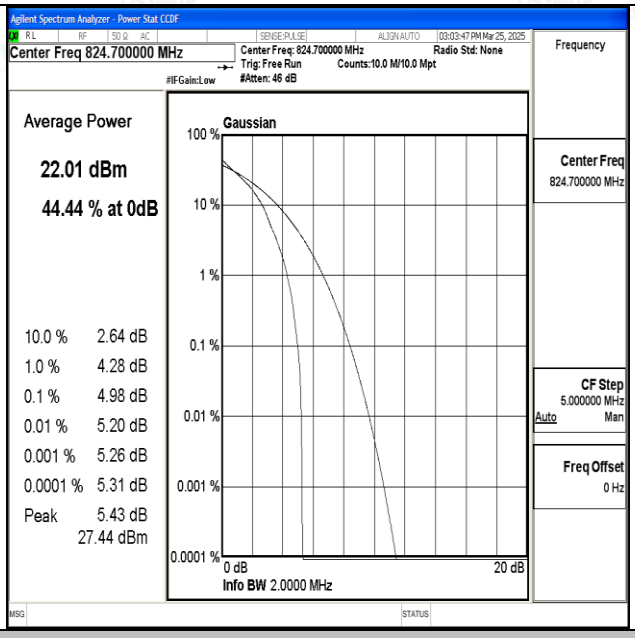
J.2 Peak-to-Average Ratio(CCDF)

Test Result

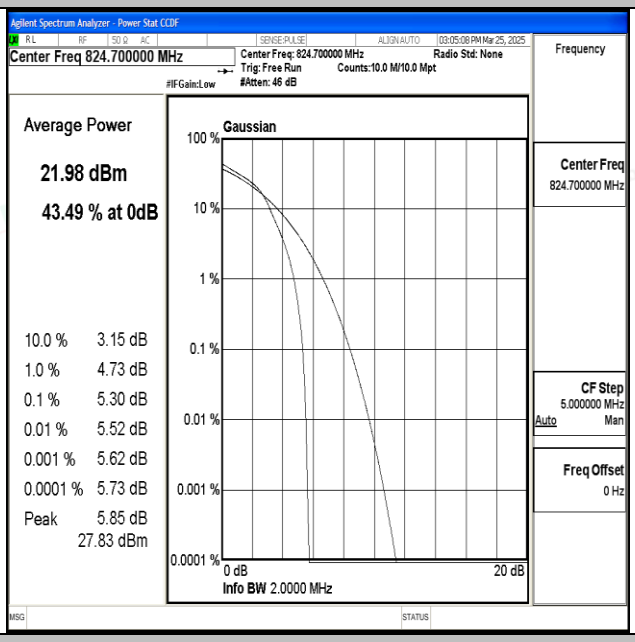
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.98	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.30	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.75	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.35	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.76	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.56	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.12	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.80	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.55	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.29	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.03	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.07	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.81	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.84	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.53	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.75	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.25	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.71	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.67	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.66	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.34	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.21	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.90	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.42	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.00	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.27	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.14	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.51	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.87	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	5.17	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.67	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.69	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.37	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.88	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.32	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.81	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.01	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.34	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.99	13	PASS

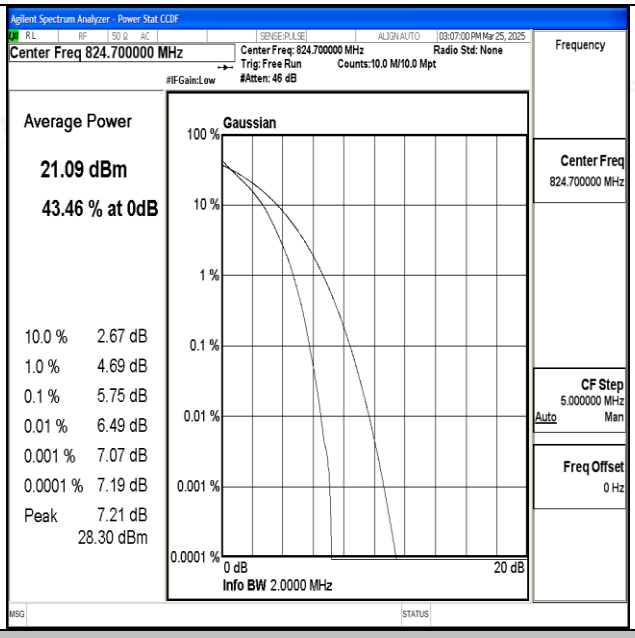
Test Graphs



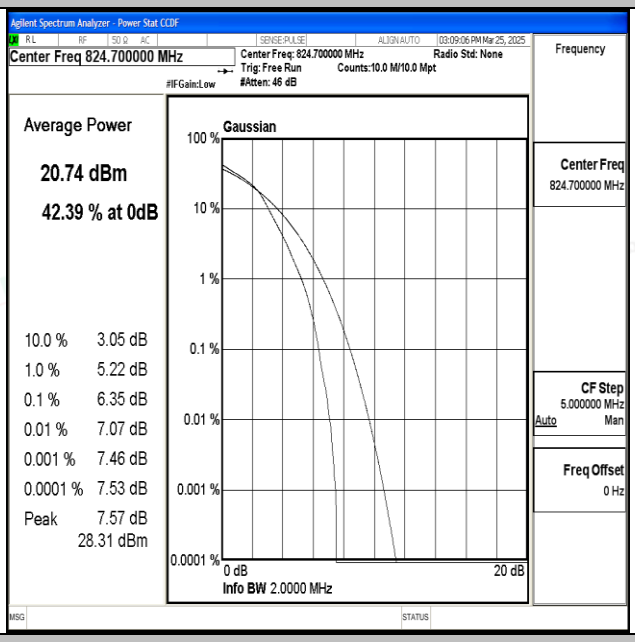
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



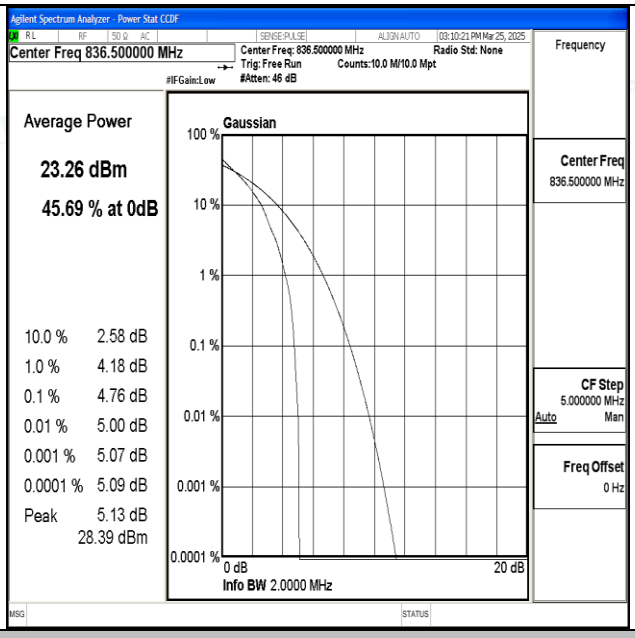
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



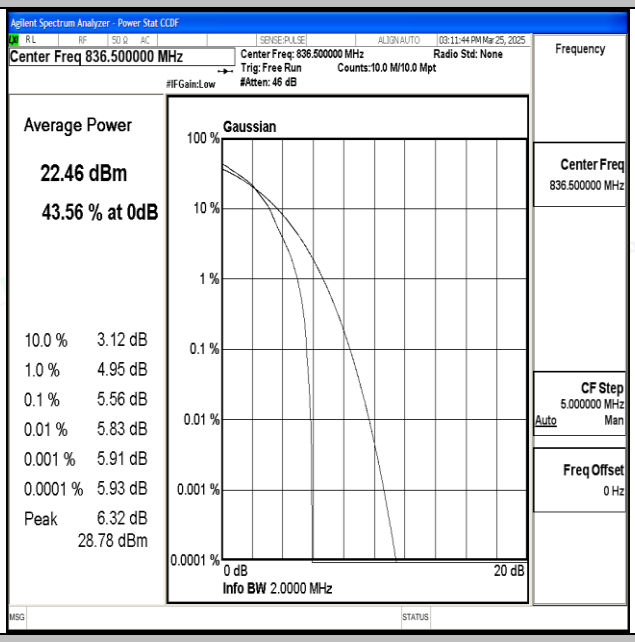
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



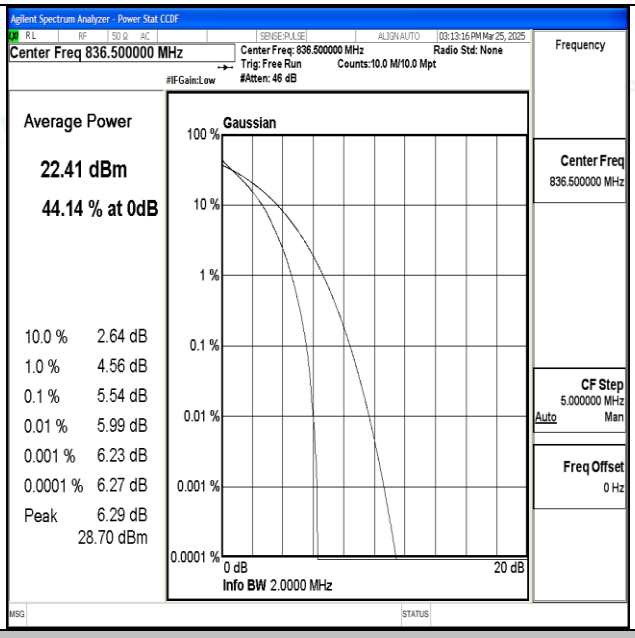
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



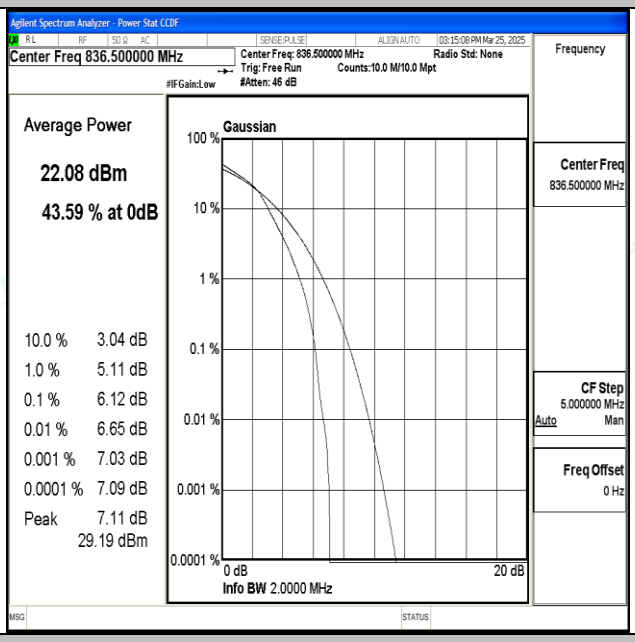
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



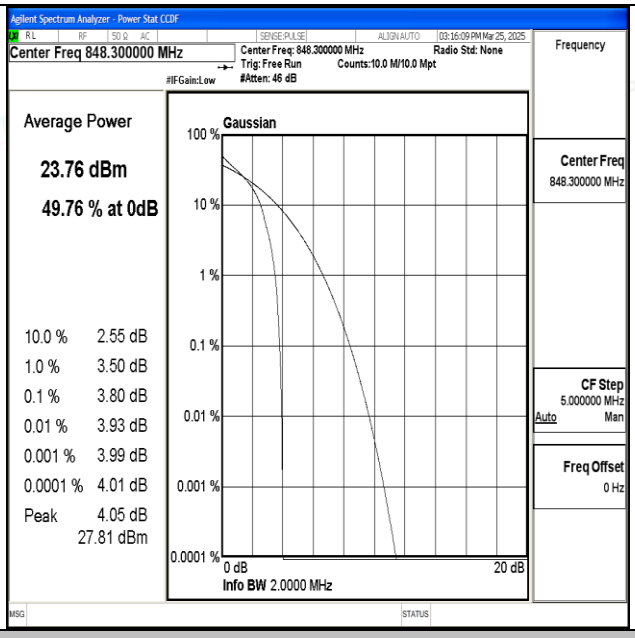
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



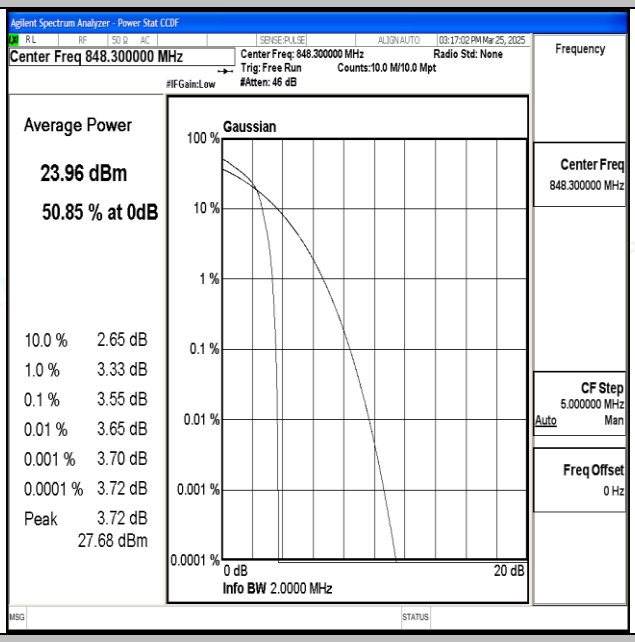
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



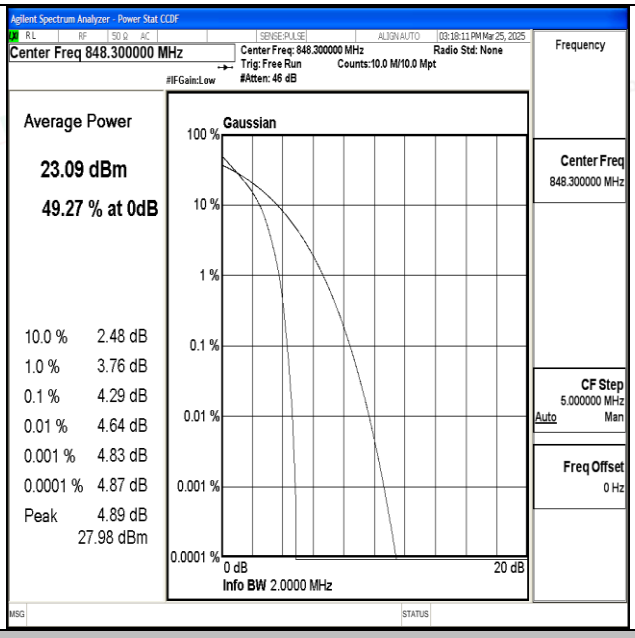
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



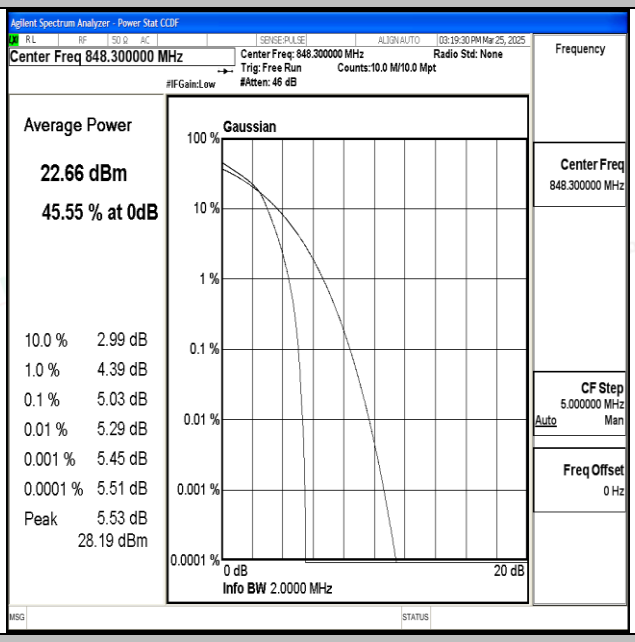
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



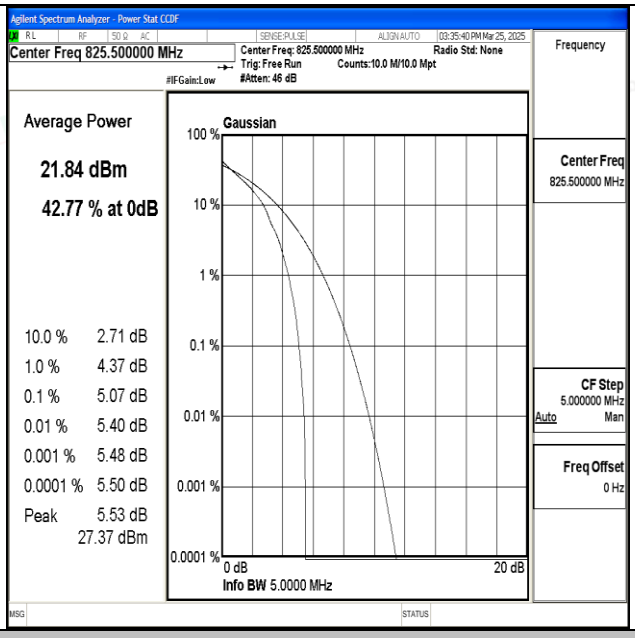
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



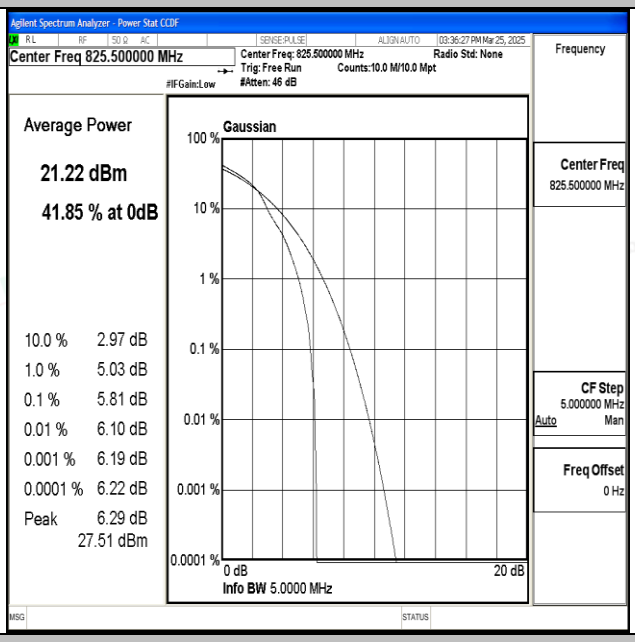
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



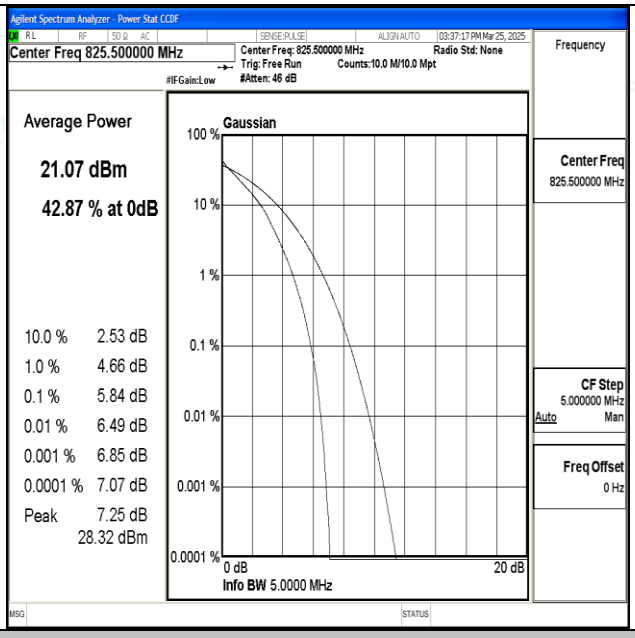
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



Band5-3MHz-QPSK-20415-1RB#0-PASS



Band5-3MHz-16QAM-20415-1RB#0-PASS



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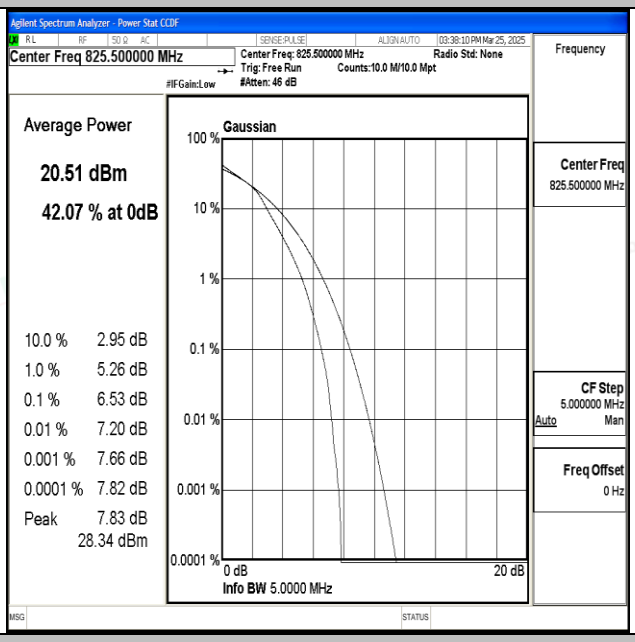

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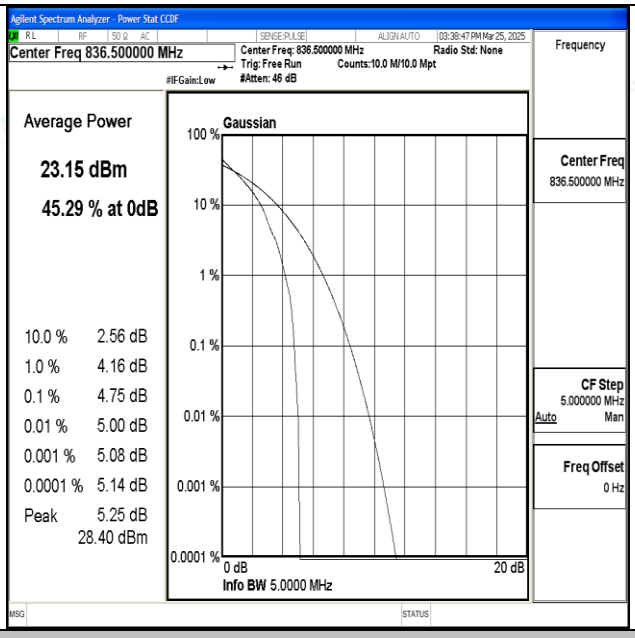

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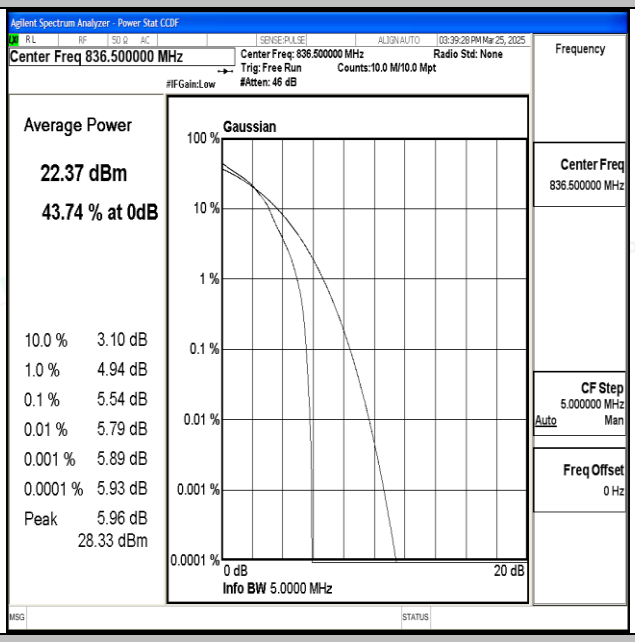

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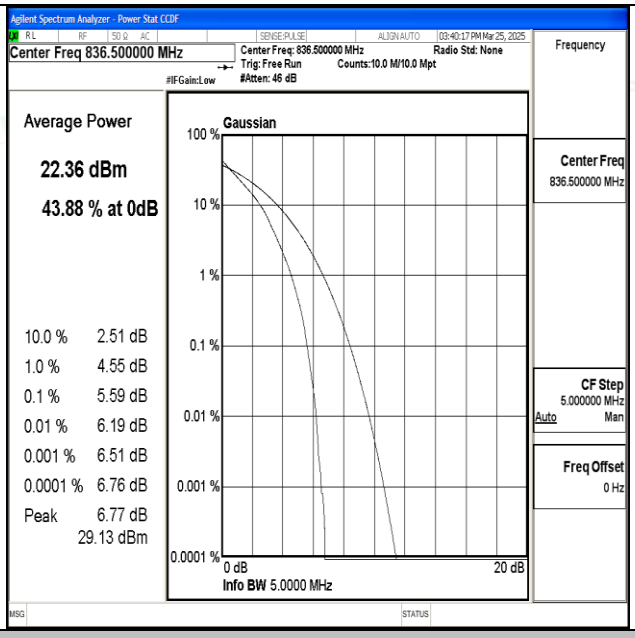

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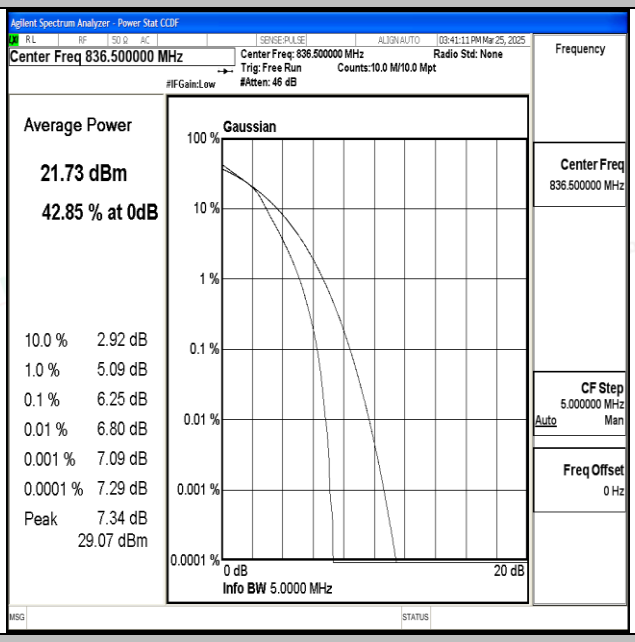
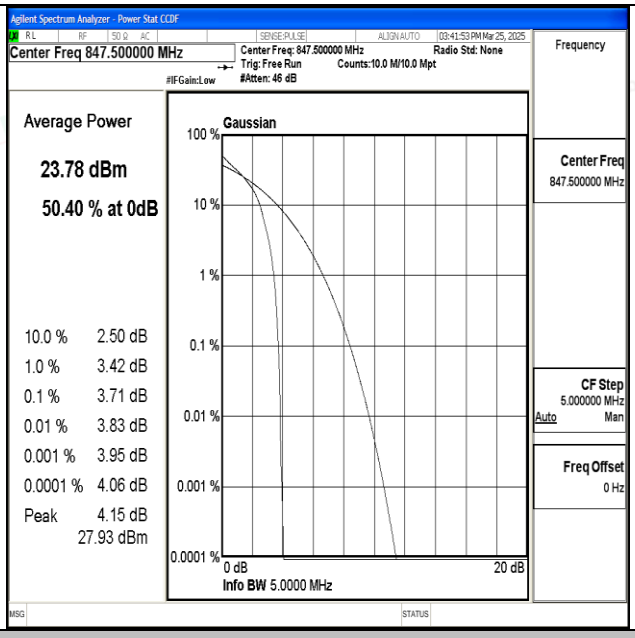


Band5-3MHz-16QAM-20525-15RB#0-PASS



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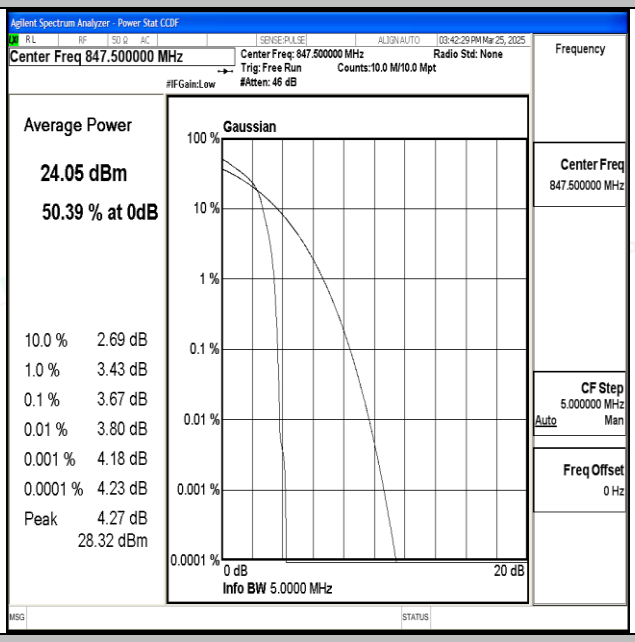

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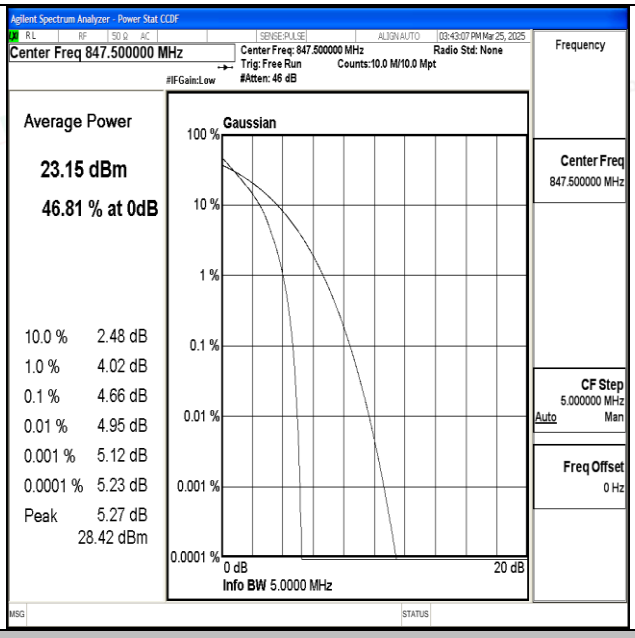

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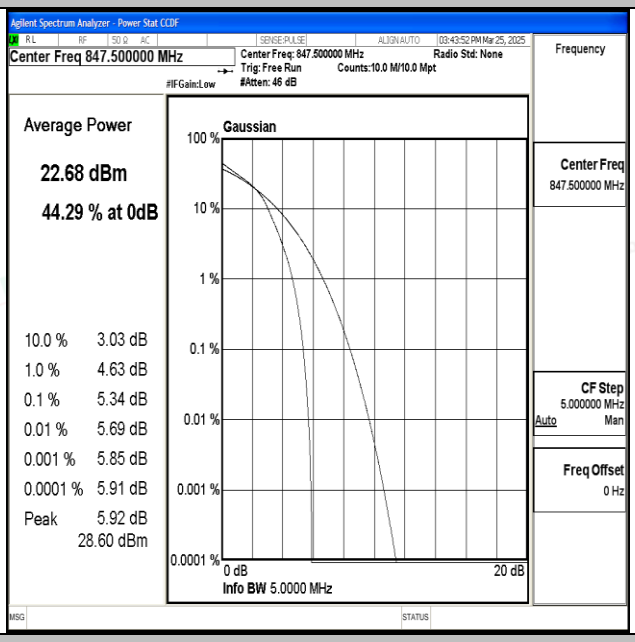

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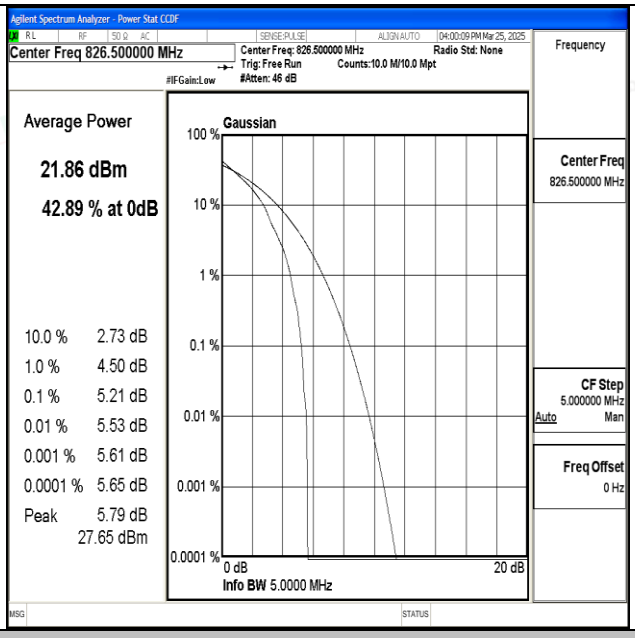

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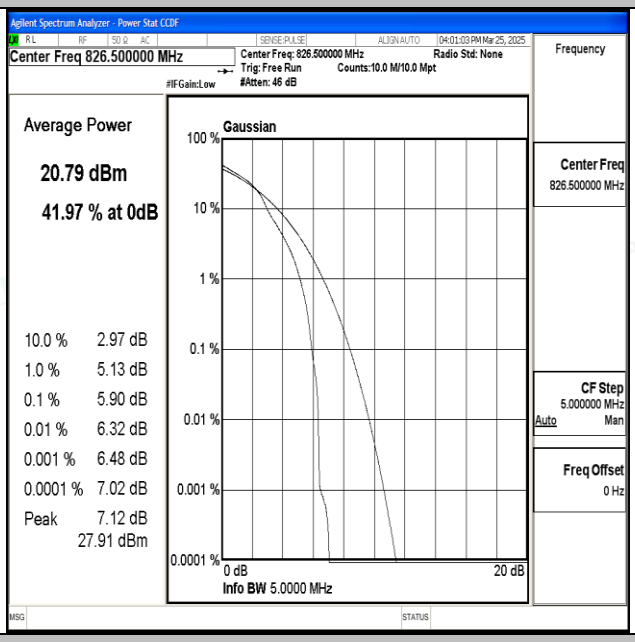

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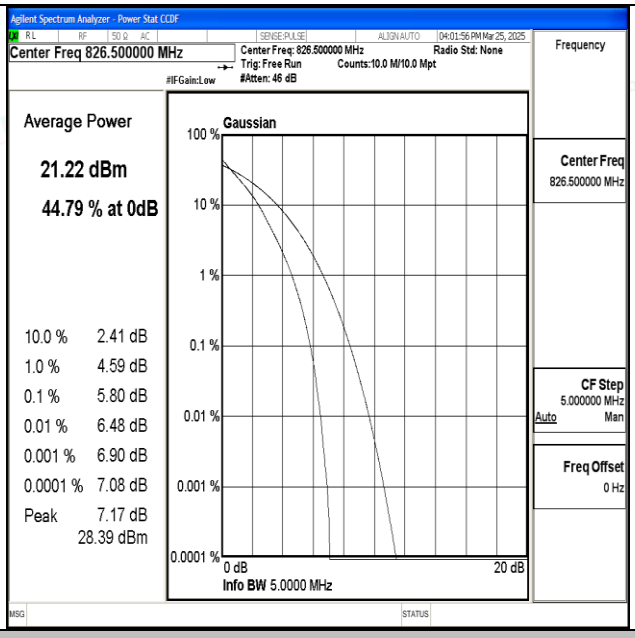

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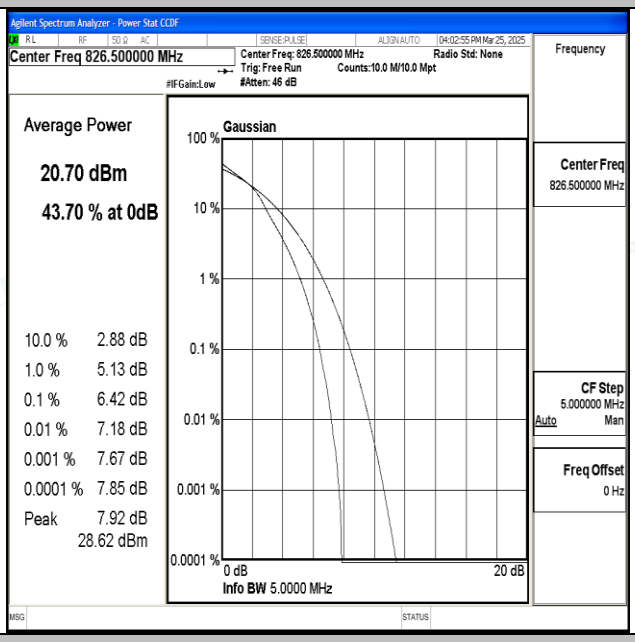

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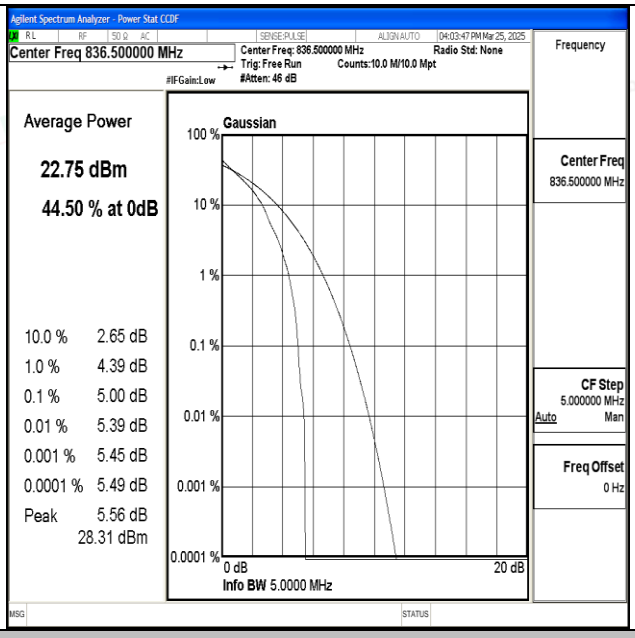

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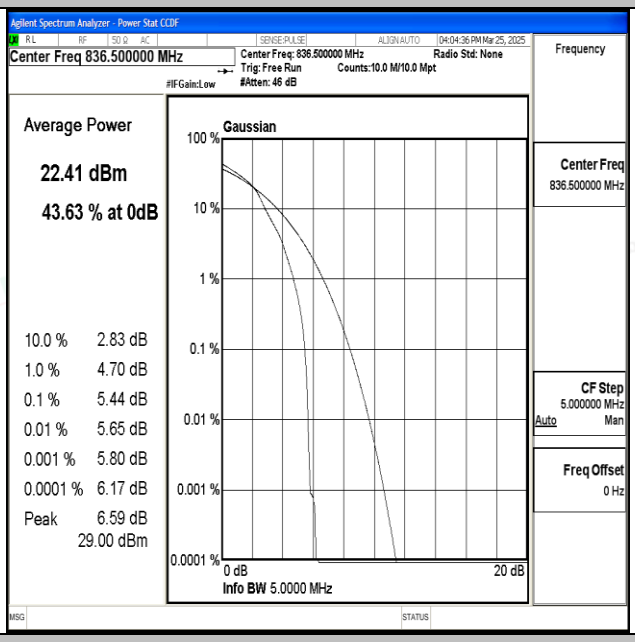

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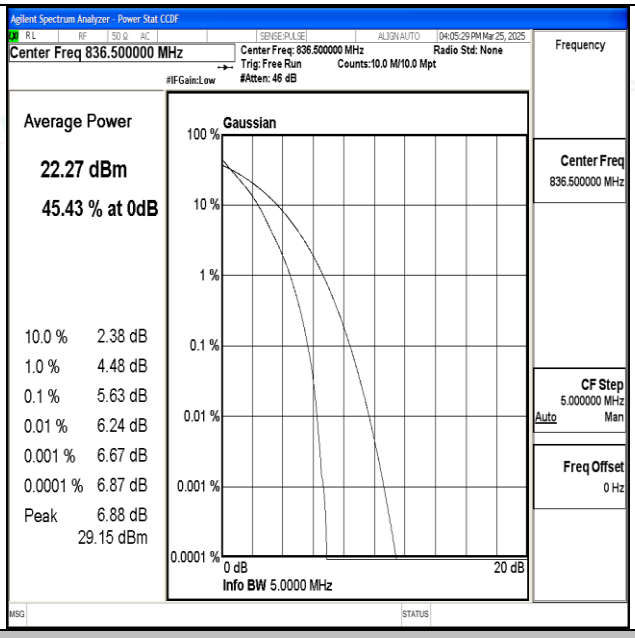

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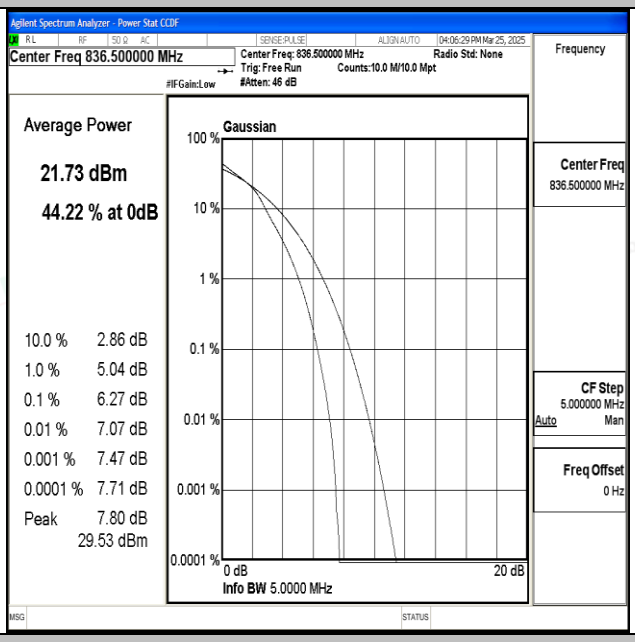

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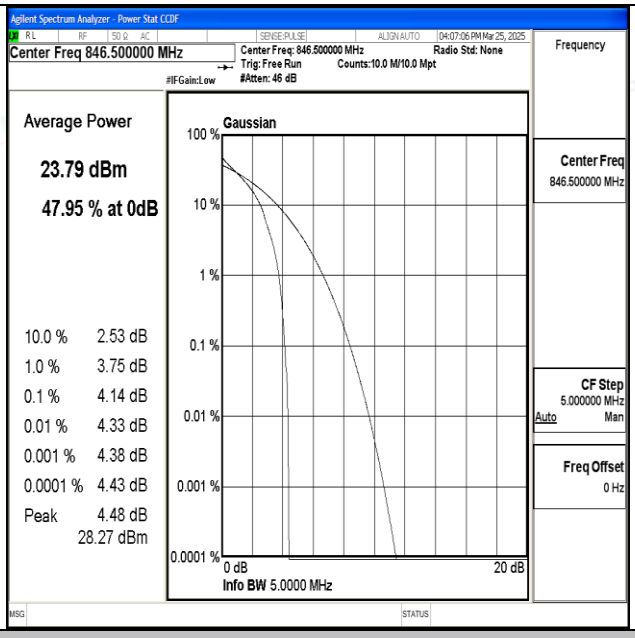

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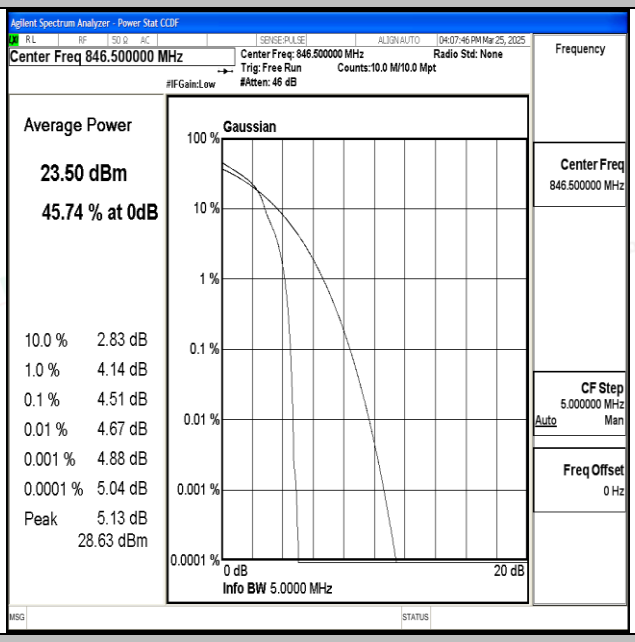

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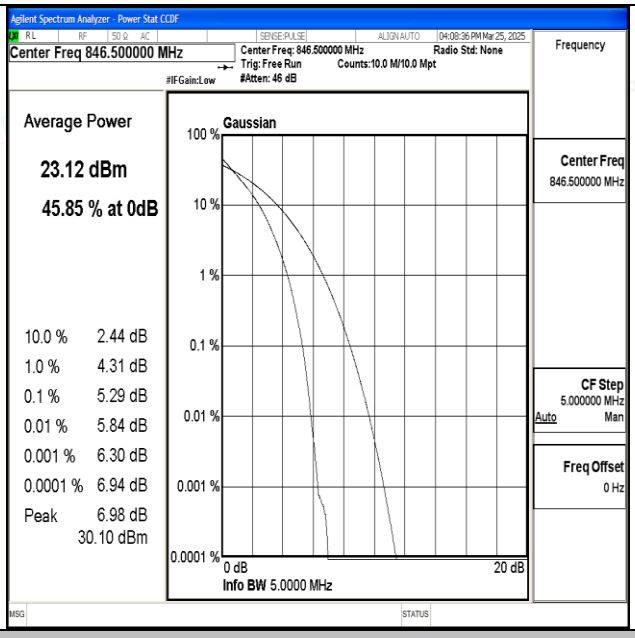

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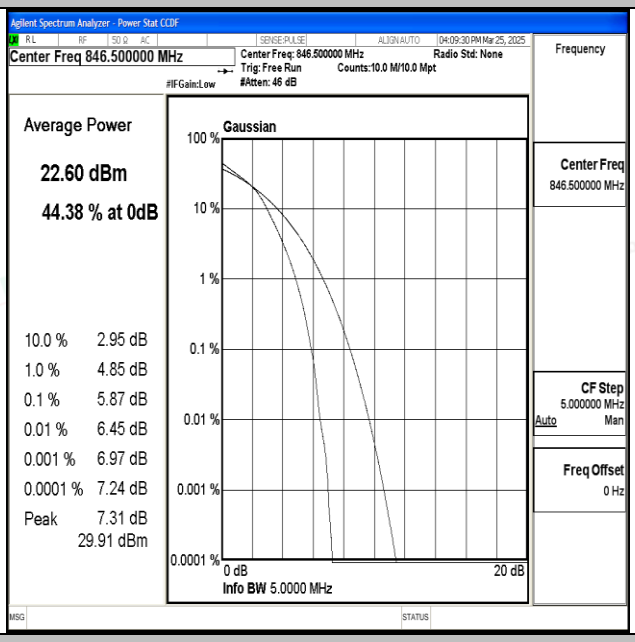

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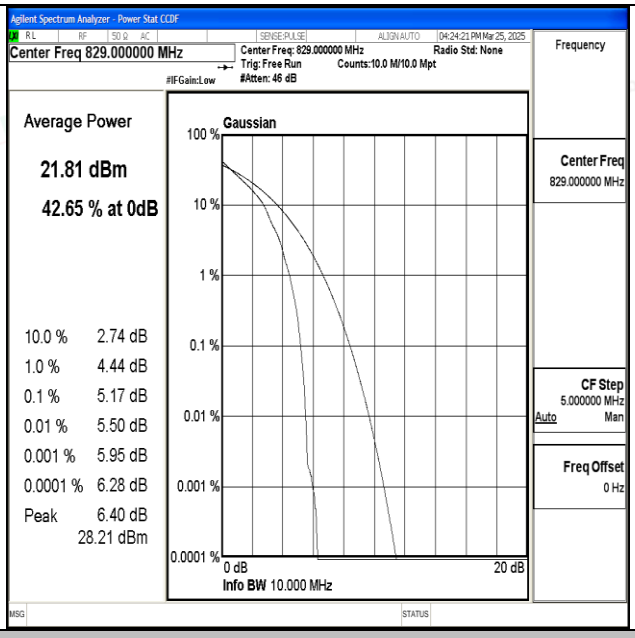
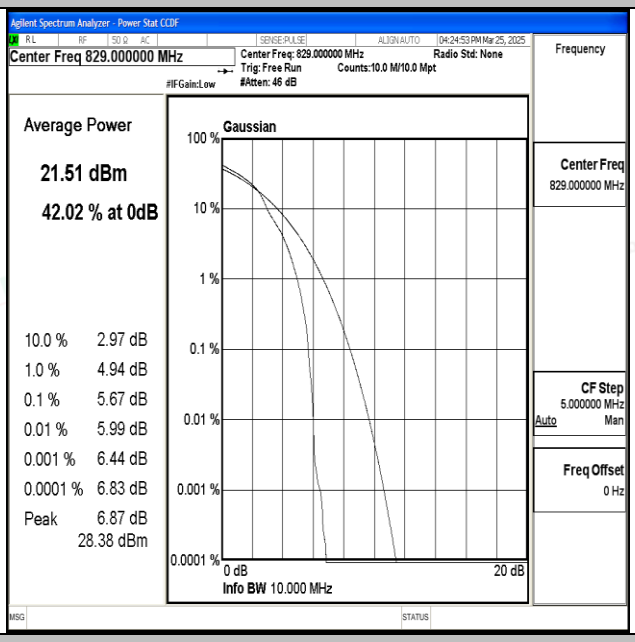


Band5-10MHz-QPSK-20450-1RB#0-PASS



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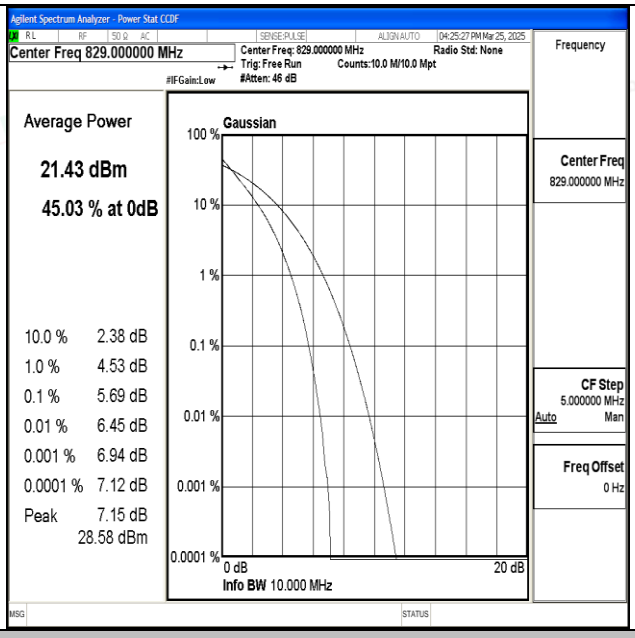

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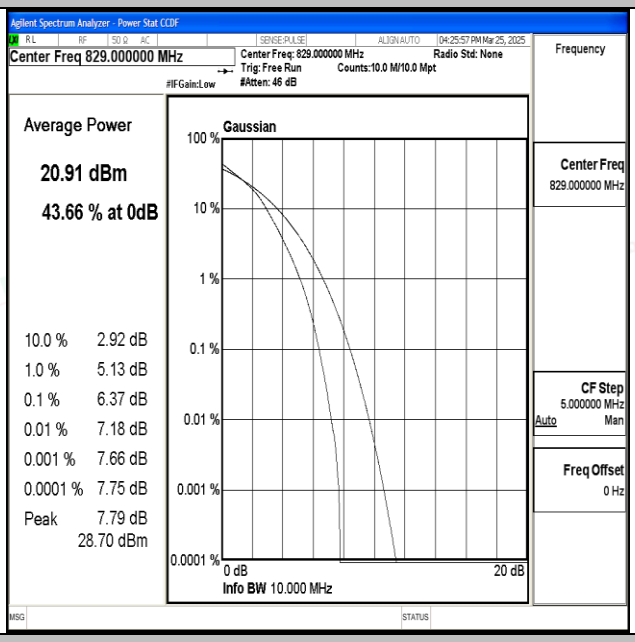

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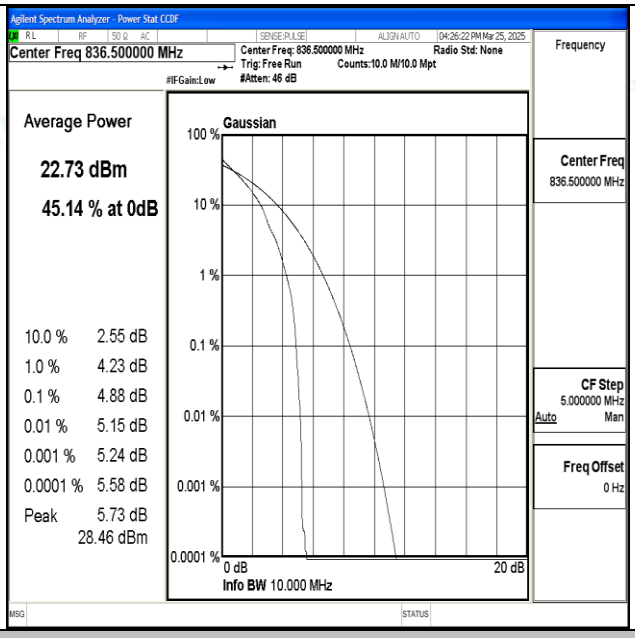

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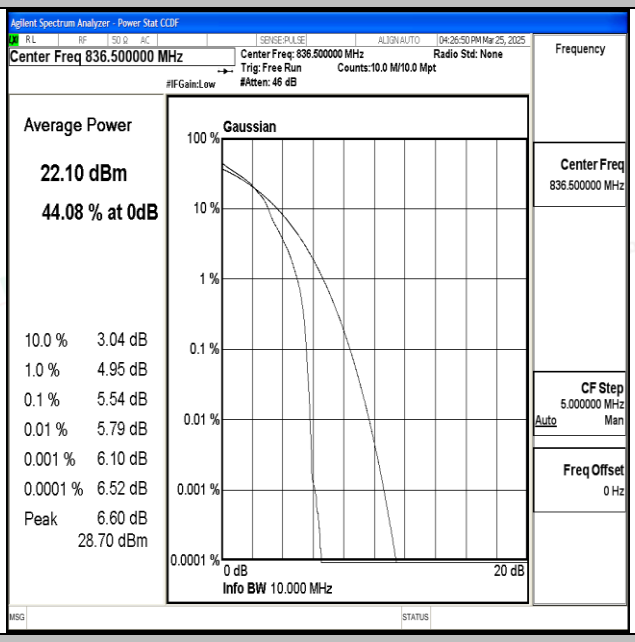

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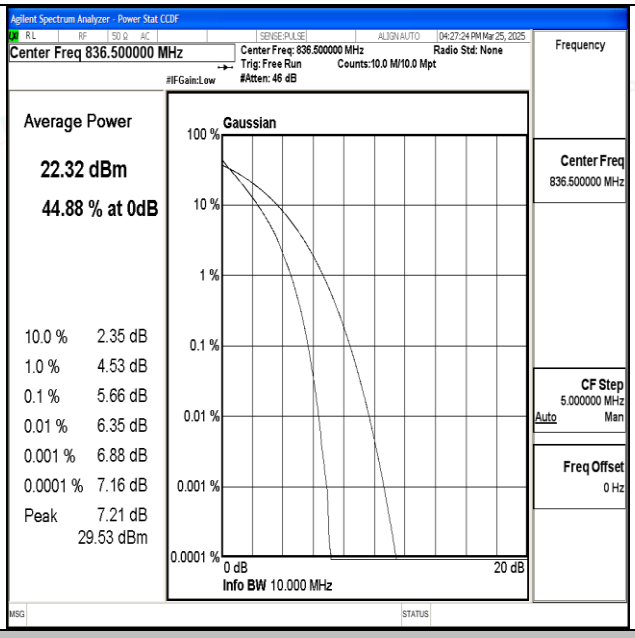

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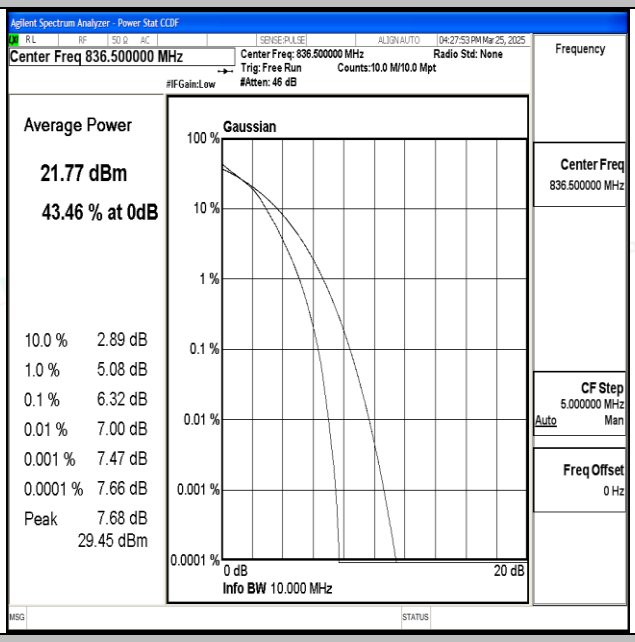

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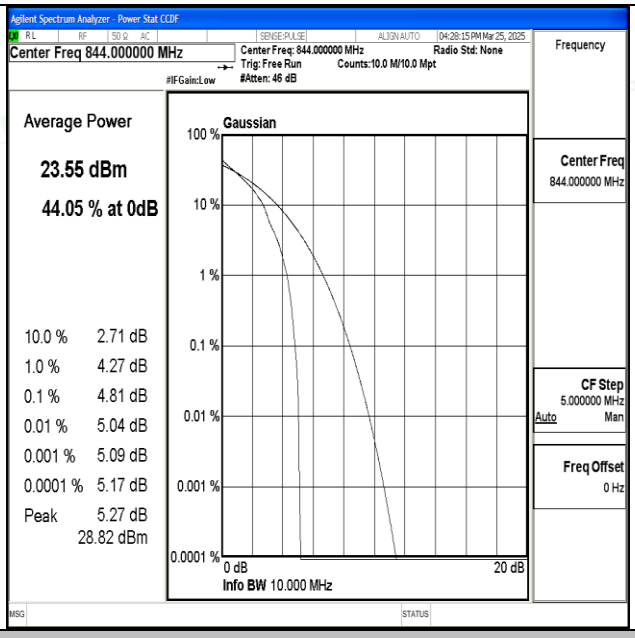
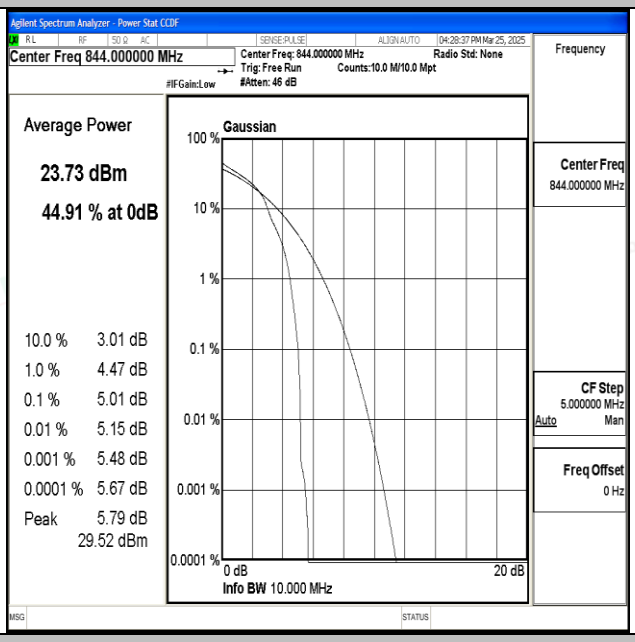
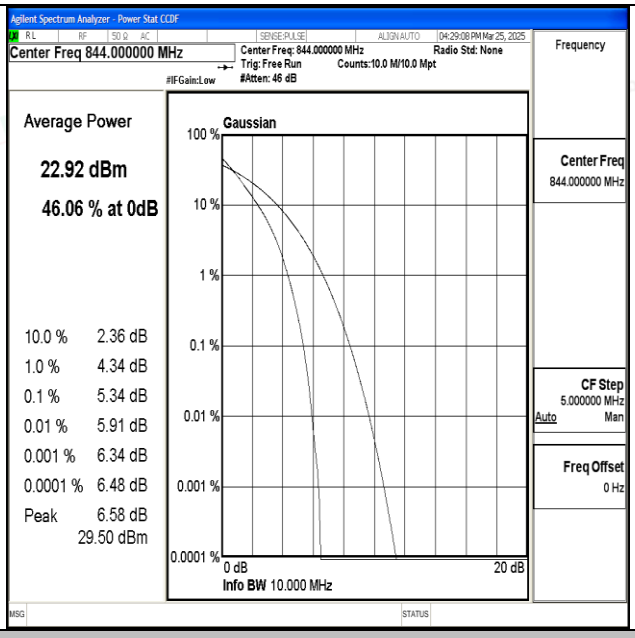


Band5-10MHz-QPSK-20600-1RB#0-PASS



Band5-10MHz-16QAM-20600-1RB#0-PASS



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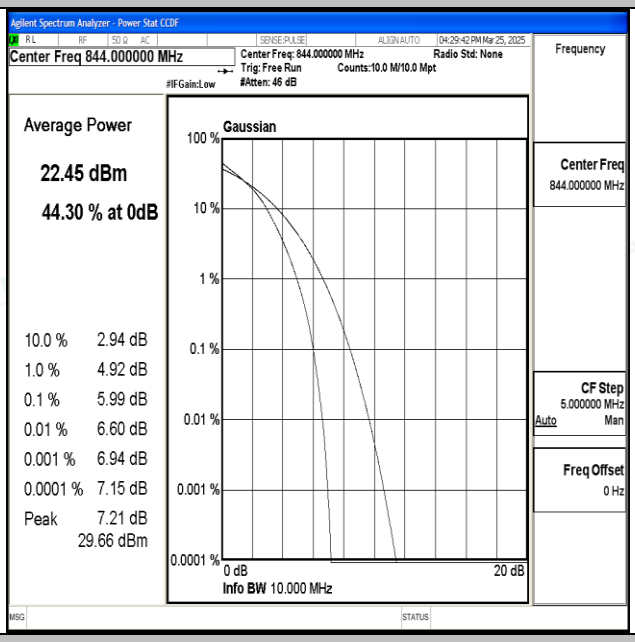


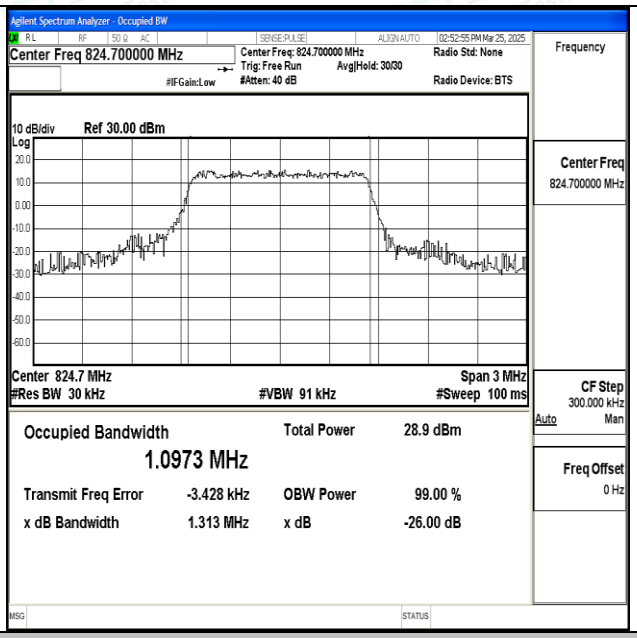
Band5-10MHz-16QAM-20600-50RB#0-PASS

J.3 26dB Bandwidth and Occupied Bandwidth

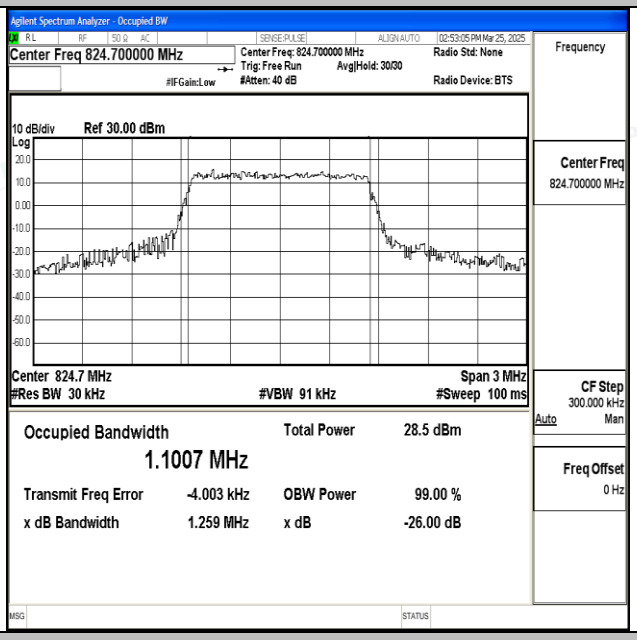
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0973	1.313	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1007	1.259	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0999	1.312	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0970	1.334	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1010	1.287	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0938	1.377	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7802	3.435	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7660	3.272	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7614	3.404	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7672	3.591	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7721	3.314	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7631	3.524	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5220	5.272	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5265	5.301	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5119	5.290	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5165	5.373	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5325	5.442	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5509	5.387	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9859	10.11	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9727	10.12	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0071	10.19	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0178	10.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9659	9.917	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9973	9.958	PASS

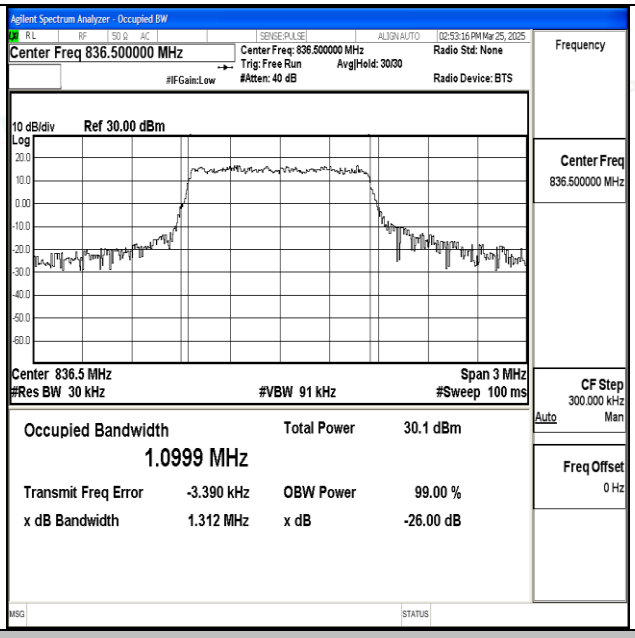
Test Graphs



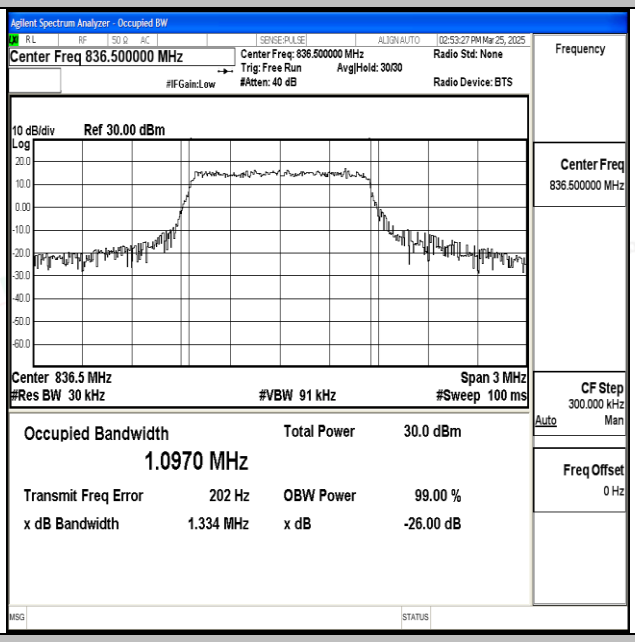
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



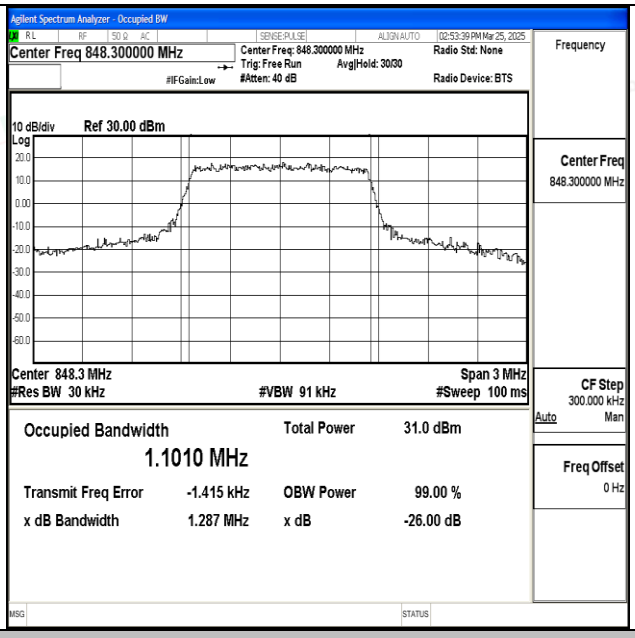
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



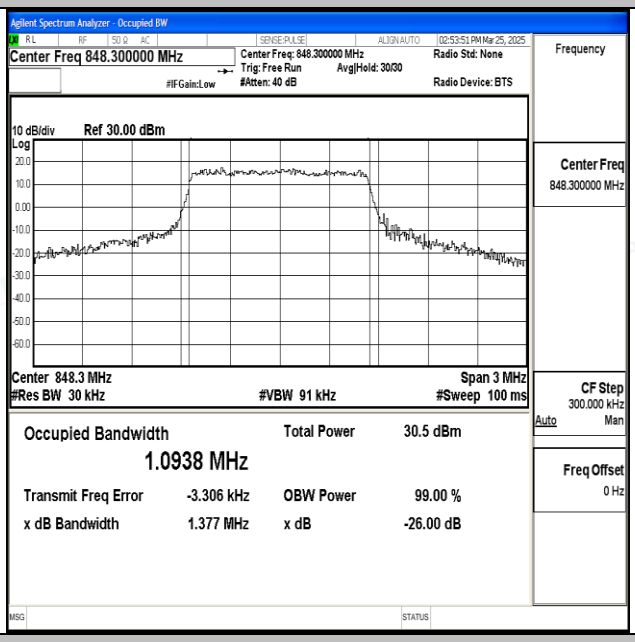
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



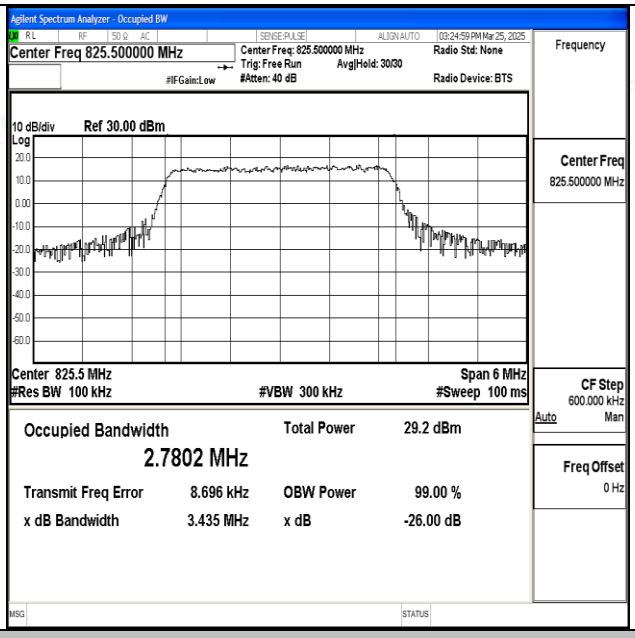
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



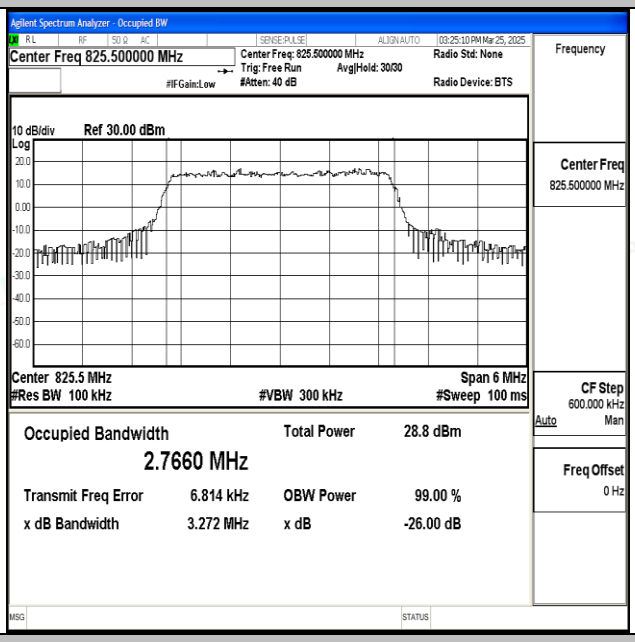
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



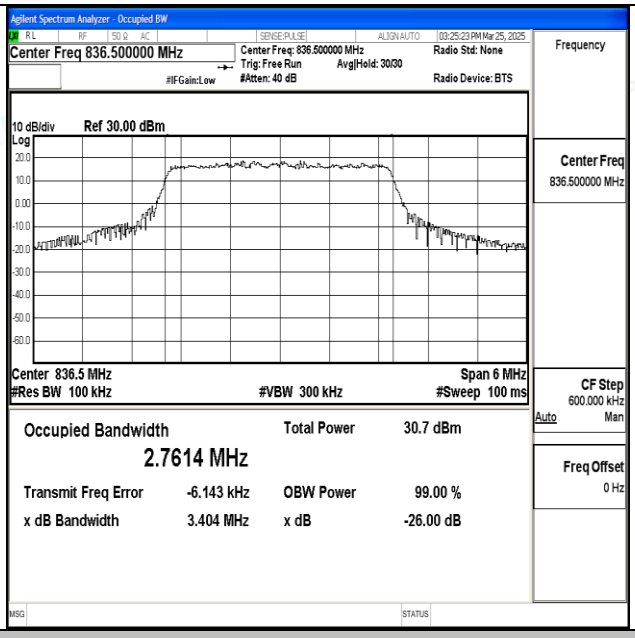
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS



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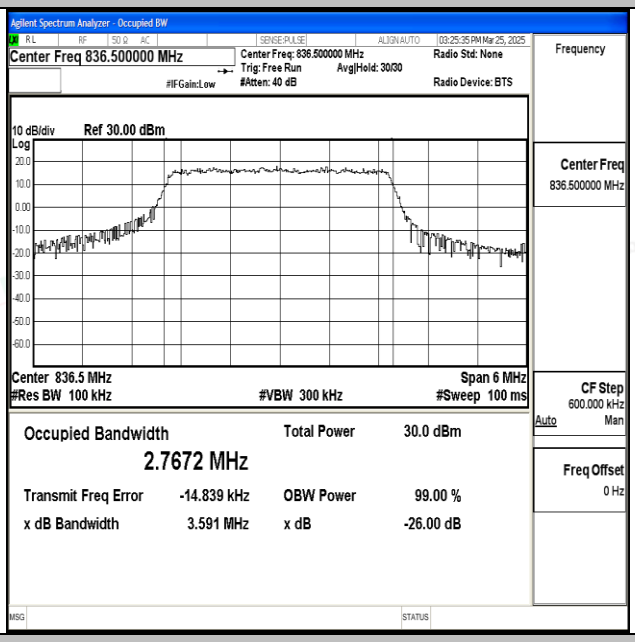
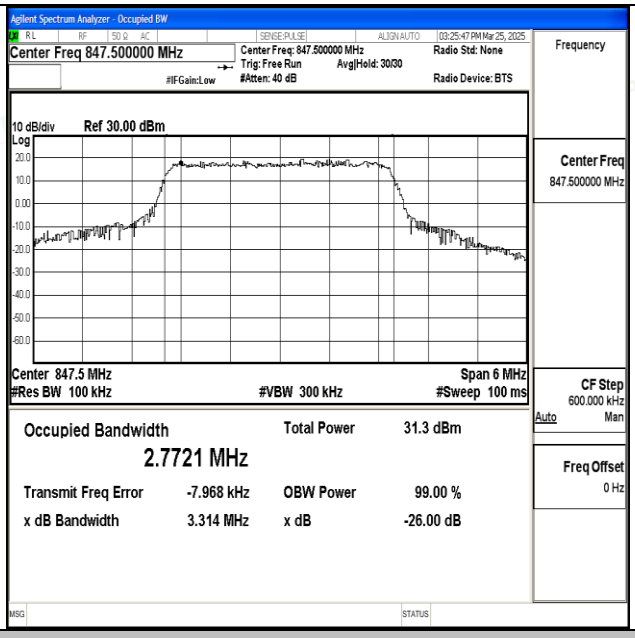
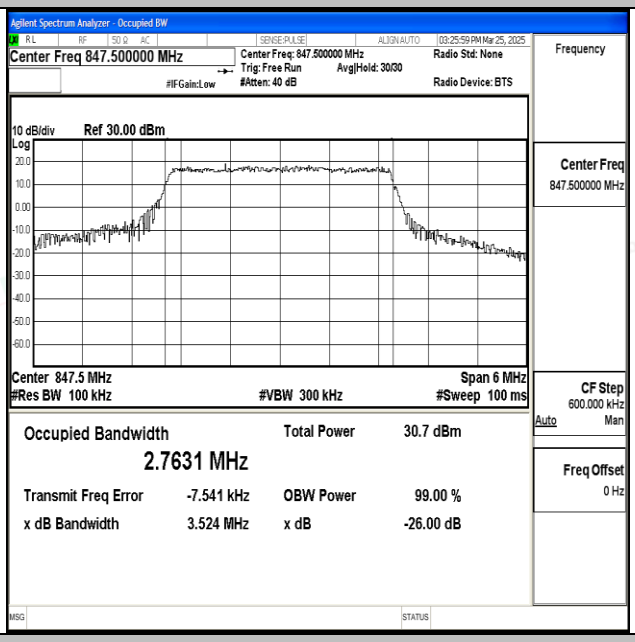


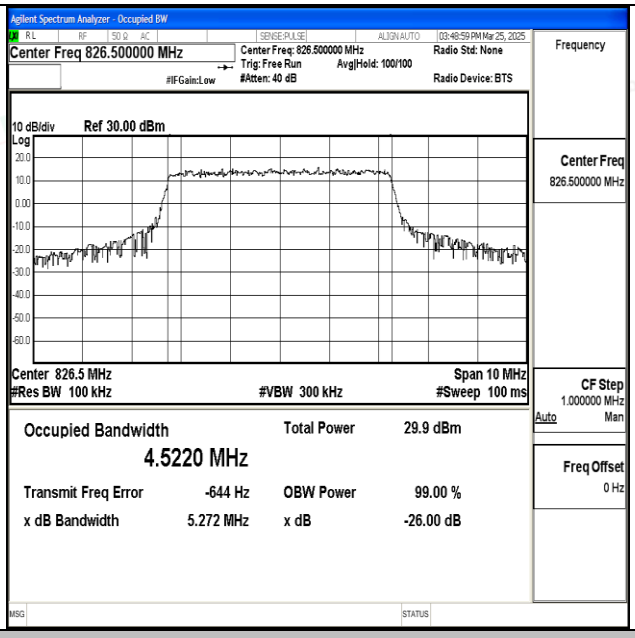
Band5-3MHz-16QAM-20525-15RB#0-PASS



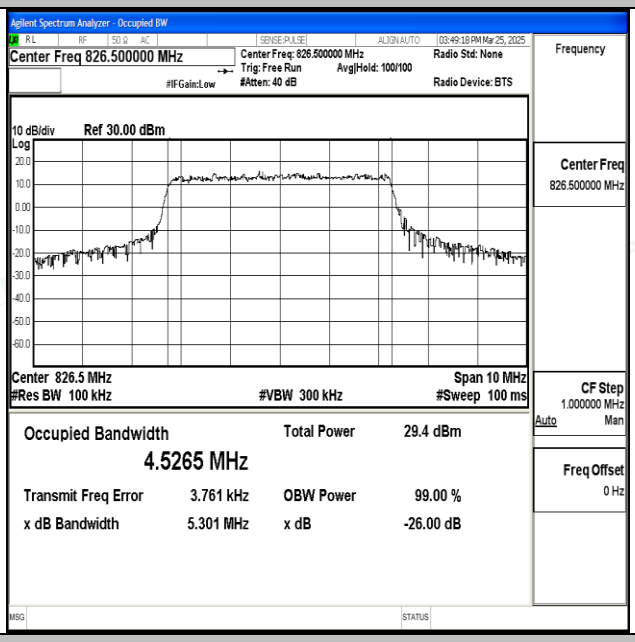
Band5-3MHz-QPSK-20635-15RB#0-PASS



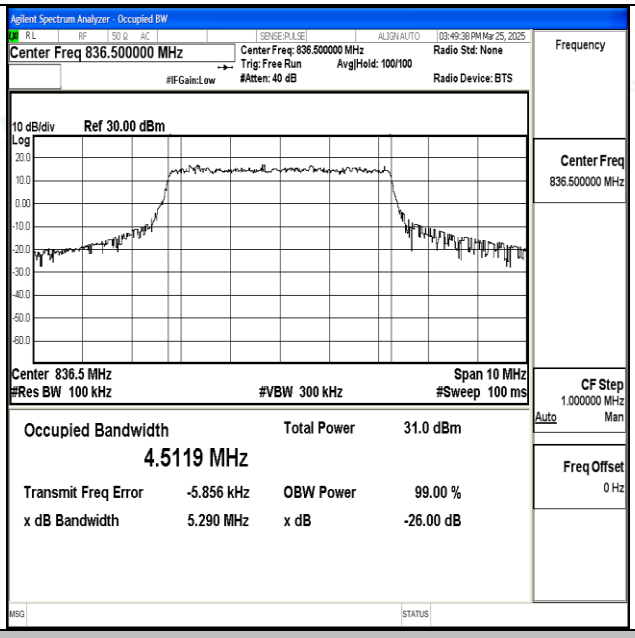
Band5-3MHz-16QAM-20635-15RB#0-PASS



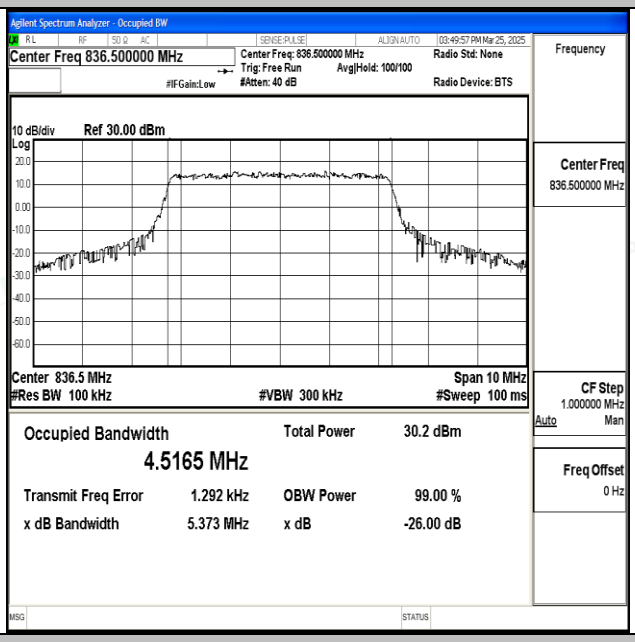
Band5-5MHz-QPSK-20425-25RB#0-PASS



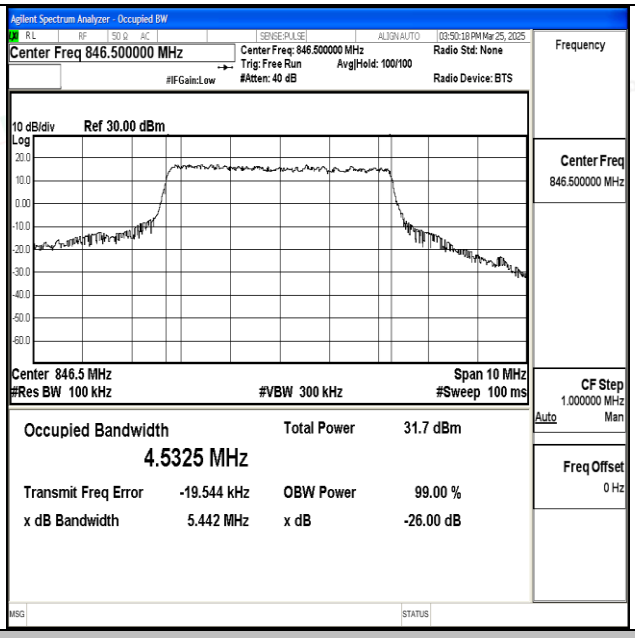
Band5-5MHz-16QAM-20425-25RB#0-PASS



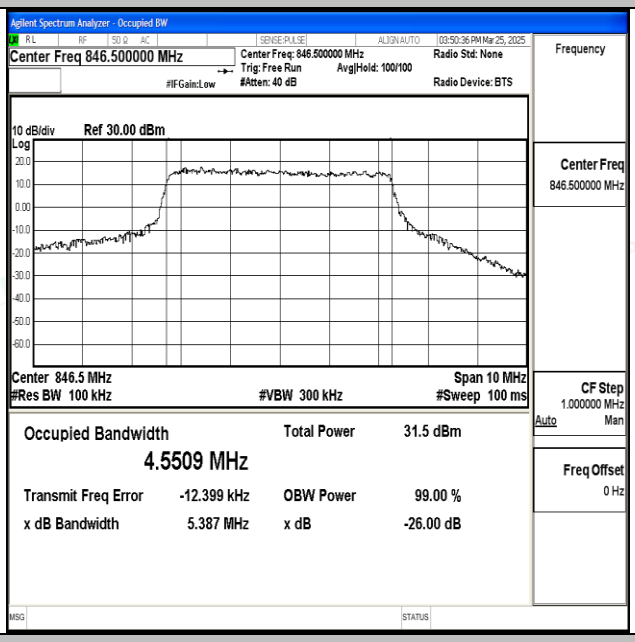
Band5-5MHz-QPSK-20525-25RB#0-PASS



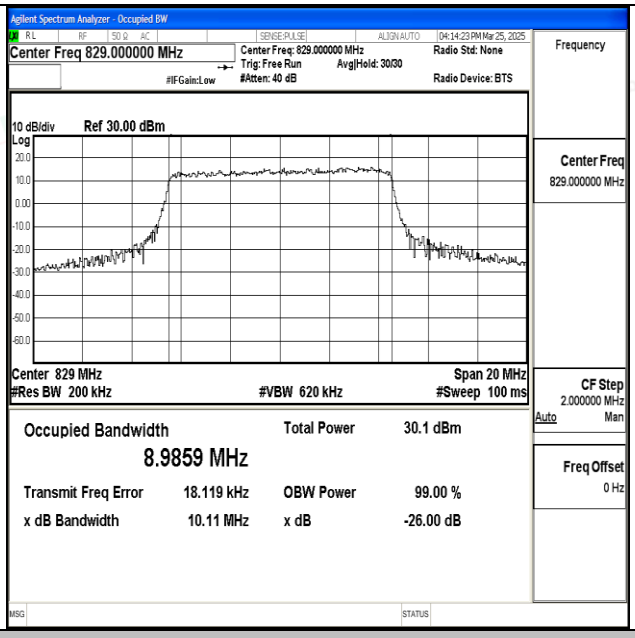
Band5-5MHz-16QAM-20525-25RB#0-PASS



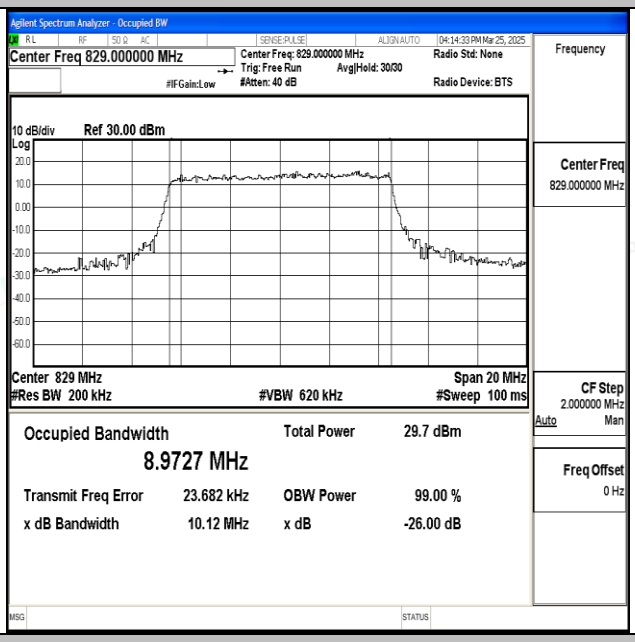
Band5-5MHz-QPSK-20625-25RB#0-PASS



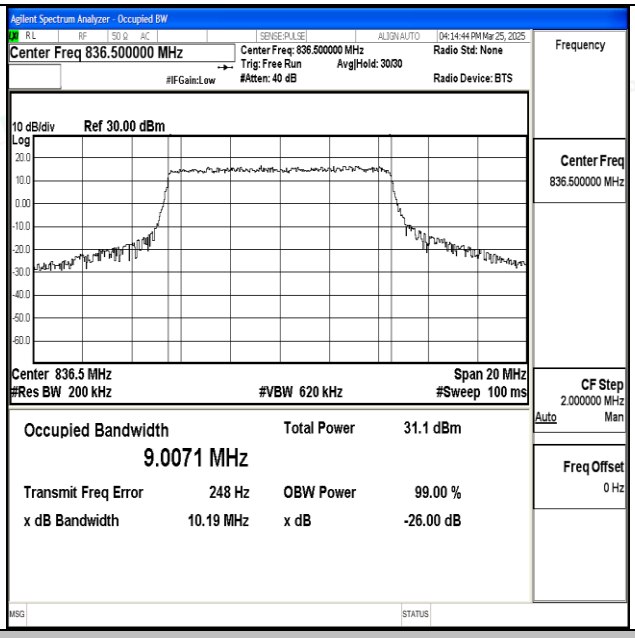
Band5-5MHz-16QAM-20625-25RB#0-PASS



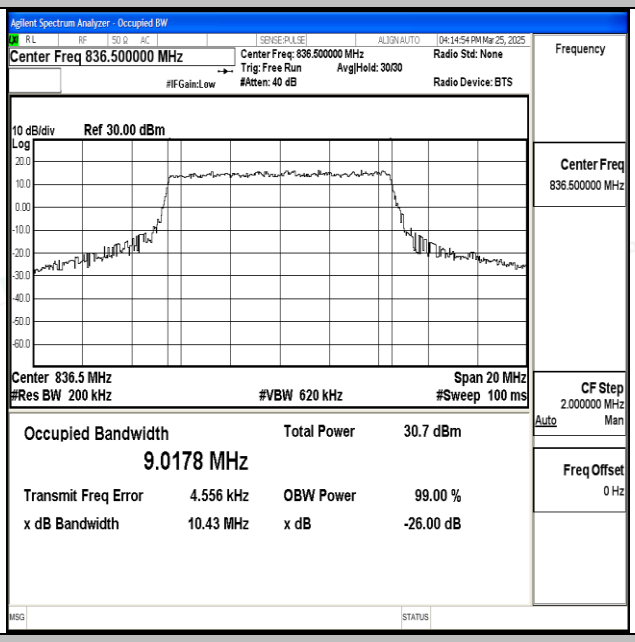
Band5-10MHz-QPSK-20450-50RB#0-PASS



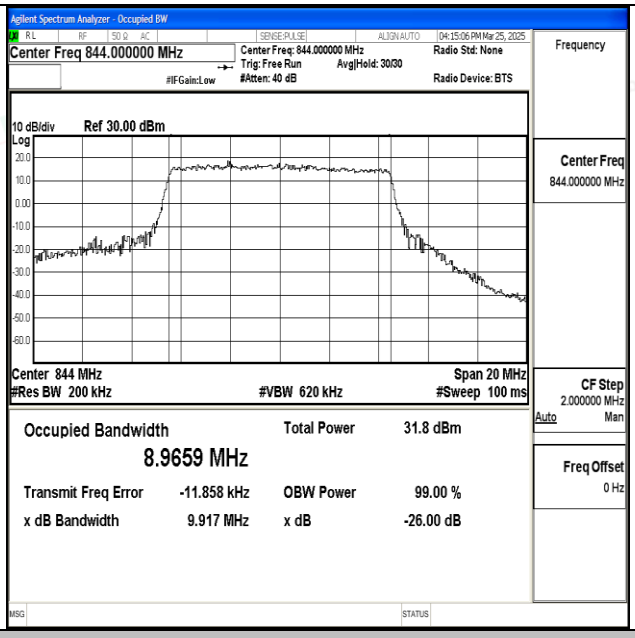
Band5-10MHz-16QAM-20450-50RB#0-PASS



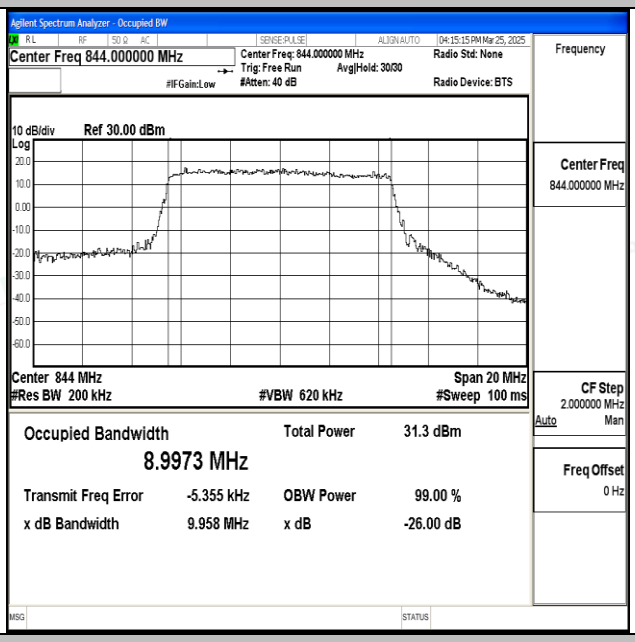
Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



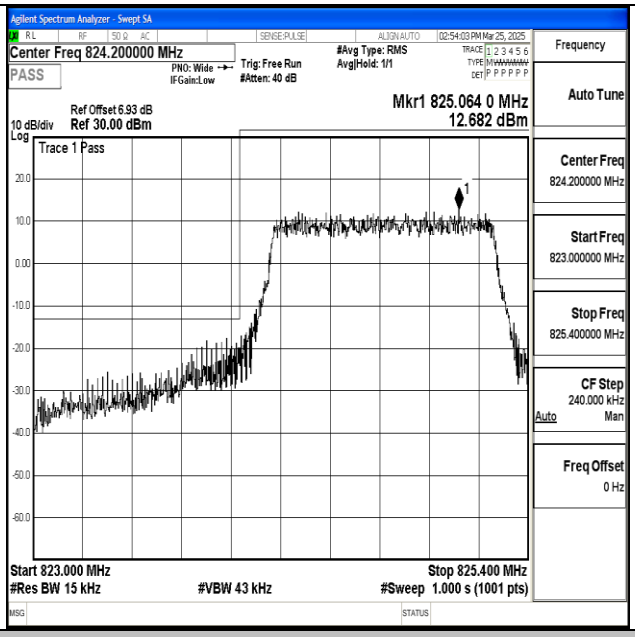
Band5-10MHz-16QAM-20600-50RB#0-PASS

J.4 Band Edge

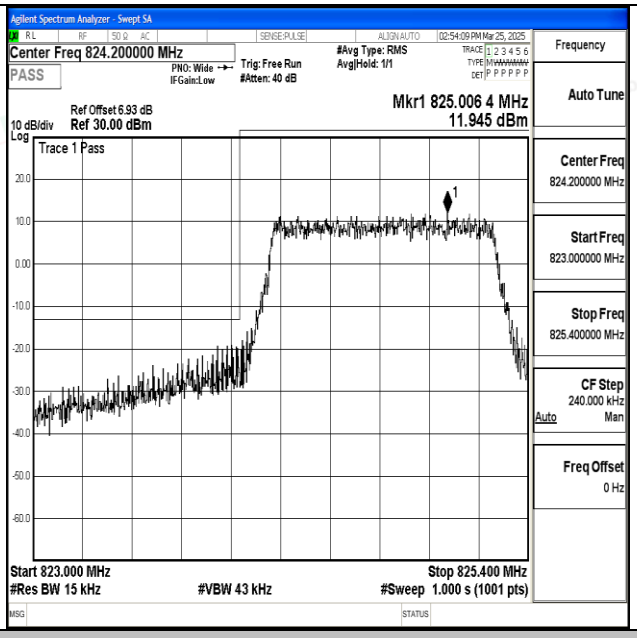
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.94	-17.58	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.96	-19.10	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.01	-14.06	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.09	-15.46	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.98	-19.07	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.90	-19.93	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.03	-16.28	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.02	-18.34	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.97	-16.01	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.89	-15.30	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-14.97	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.00	-15.66	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.99	-18.81	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.94	-21.17	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.14	-17.04	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.01	-18.82	PASS

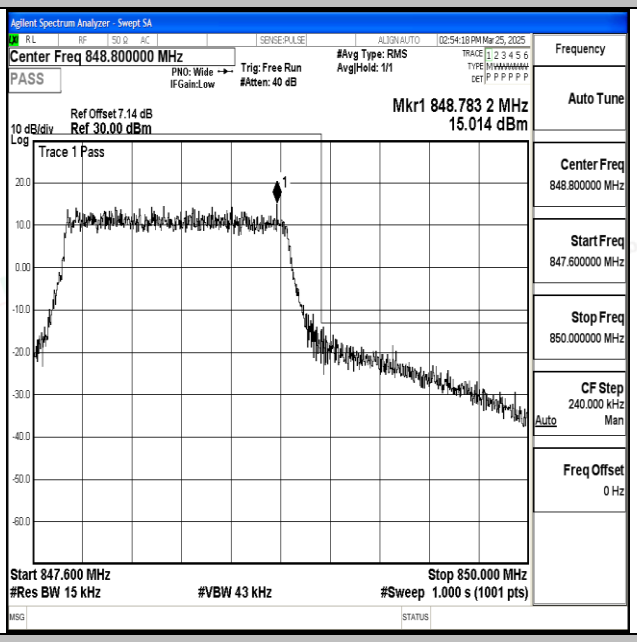
Test Graphs



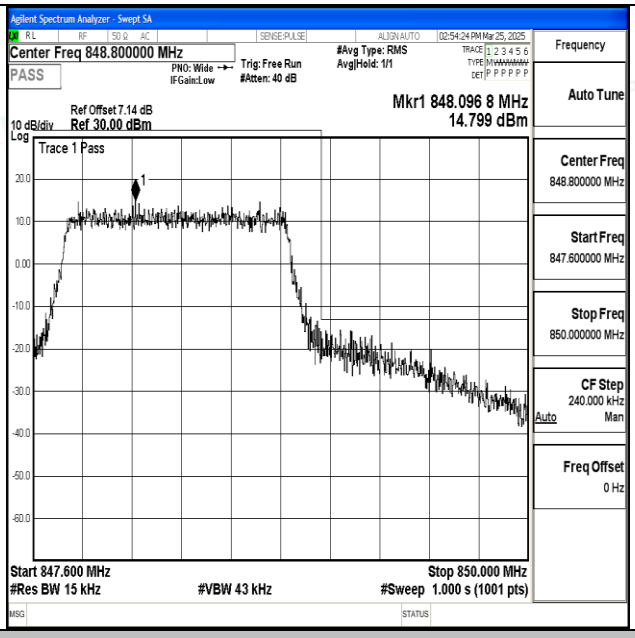
Band5_1.4MHz_QPSK_20407_6RB#0



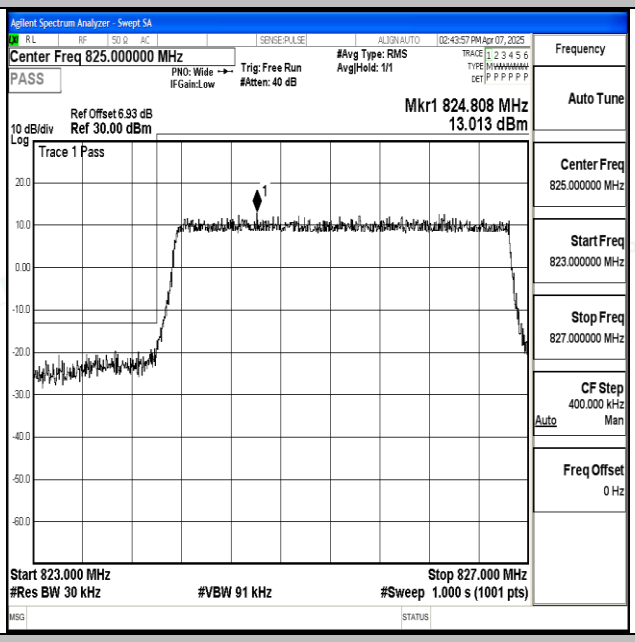
Band5_1.4MHz_16QAM_20407_6RB#0



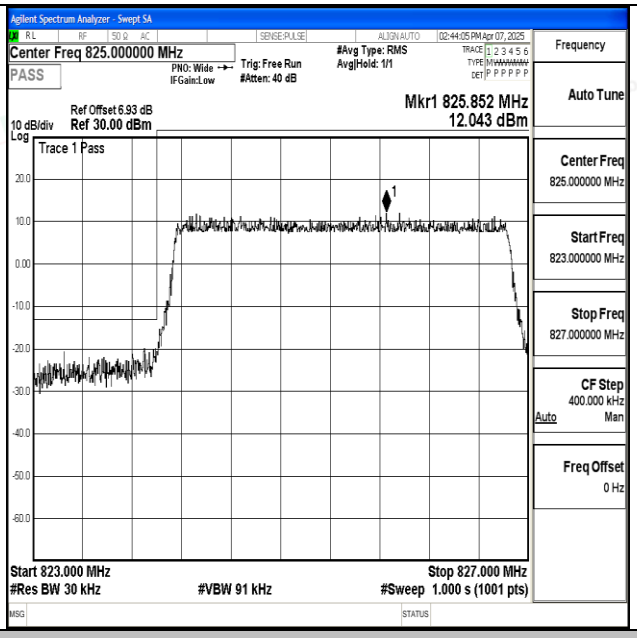
Band5_1.4MHz_QPSK_20643_6RB#0



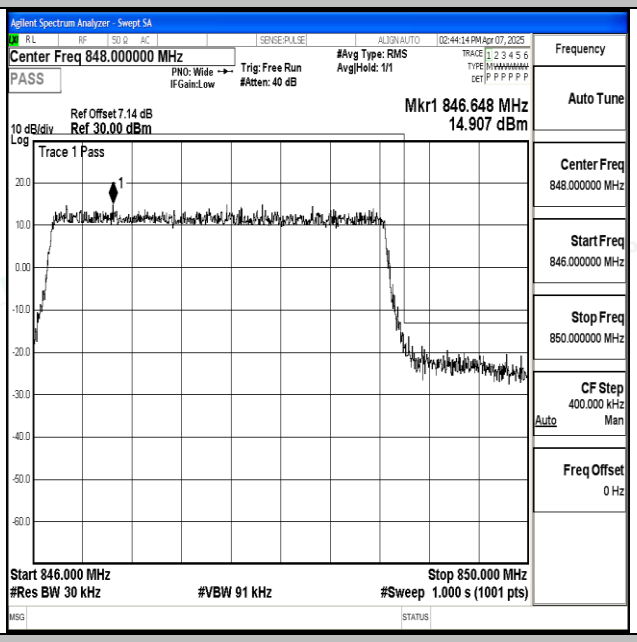
Band5_1.4MHz_16QAM_20643_6RB#0



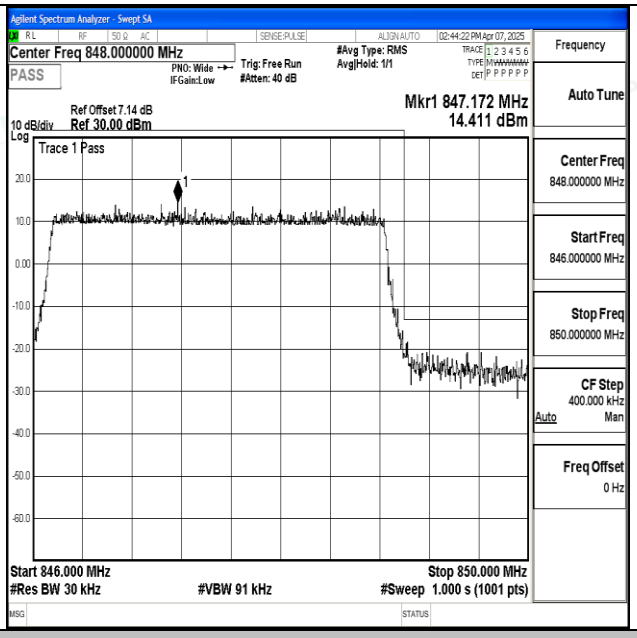
Band5_3MHz_QPSK_20415_15RB#0



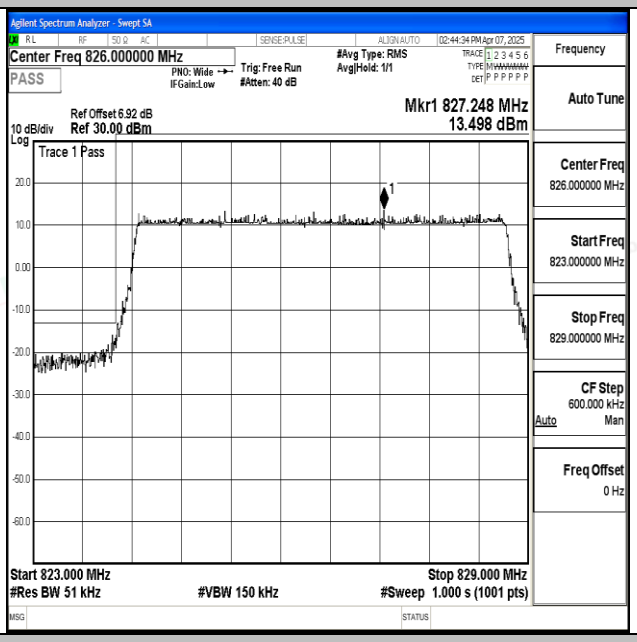
Band5_3MHz_16QAM_20415_15RB#0



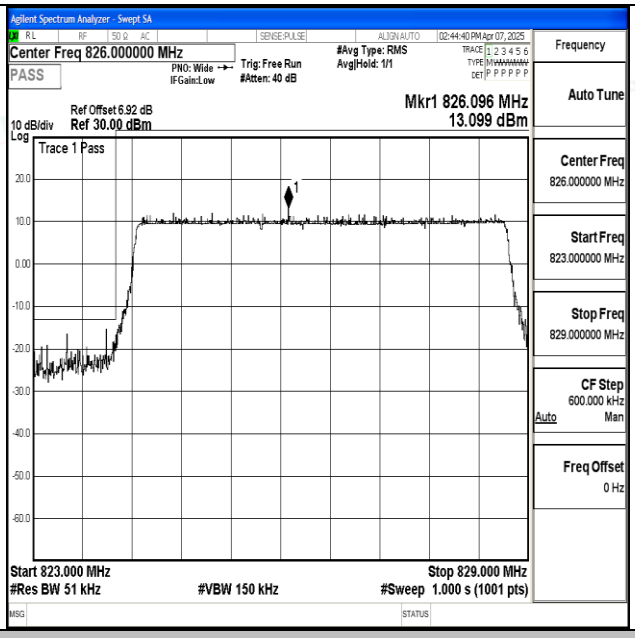
Band5_3MHz_QPSK_20635_15RB#0



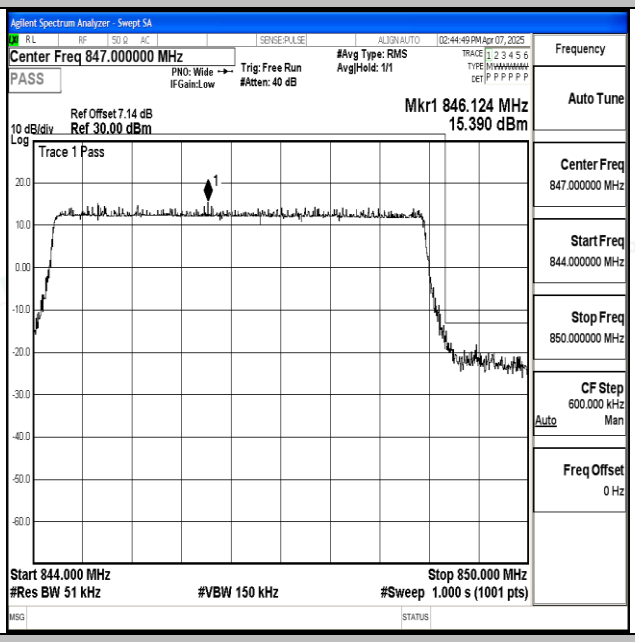
Band5_3MHz_16QAM_20635_15RB#0



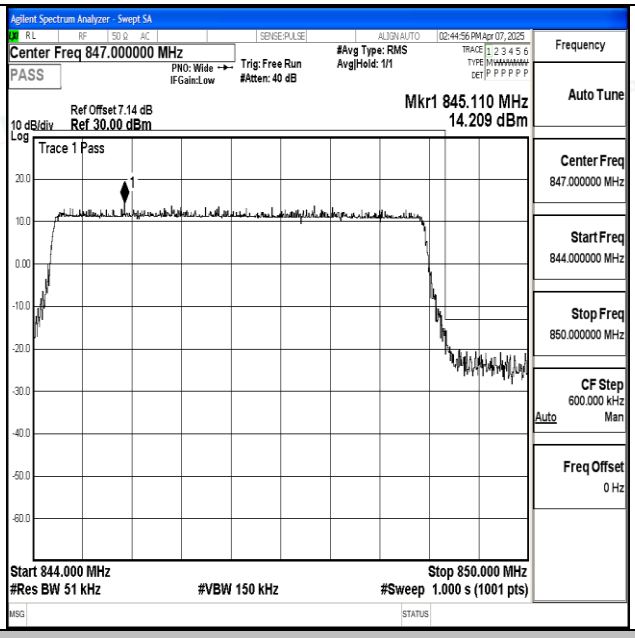
Band5_5MHz_QPSK_20425_25RB#0



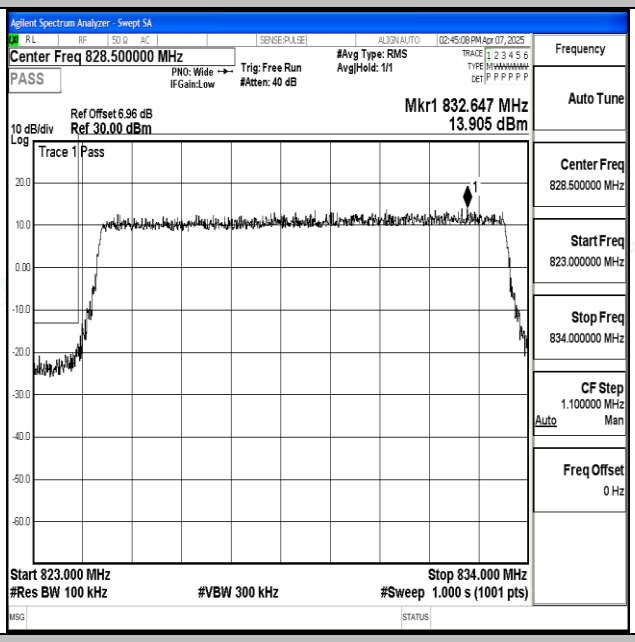
Band5_5MHz_16QAM_20425_25RB#0



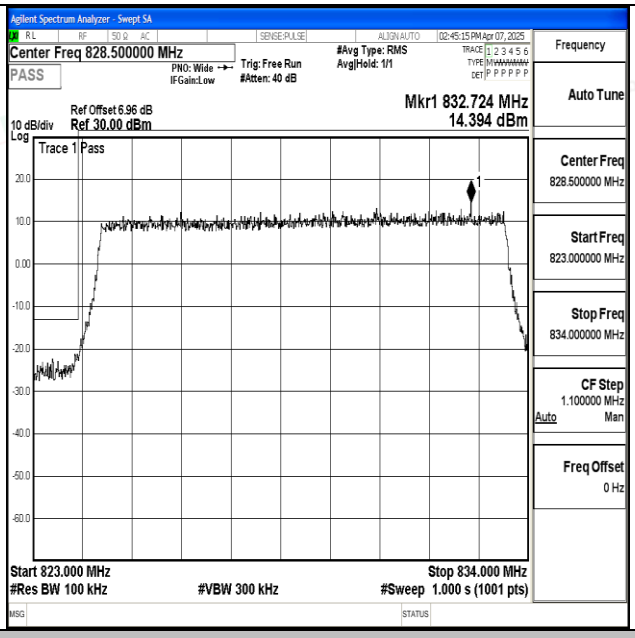
Band5_5MHz_QPSK_20625_25RB#0



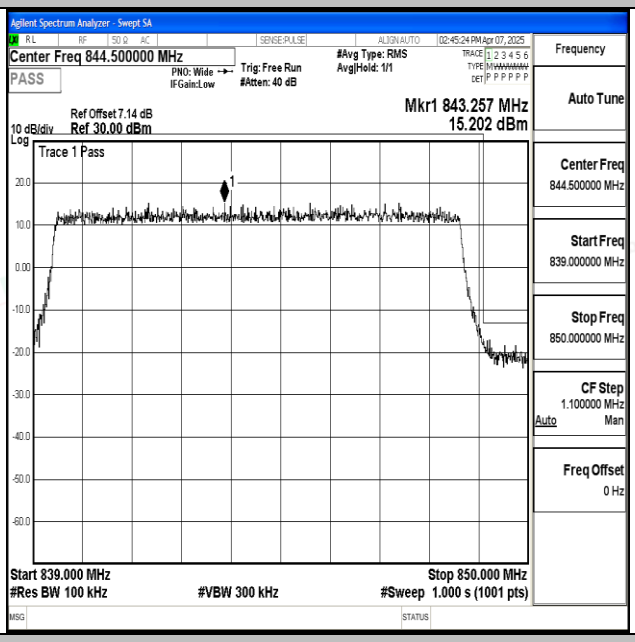
Band5_5MHz_16QAM_20625_25RB#0



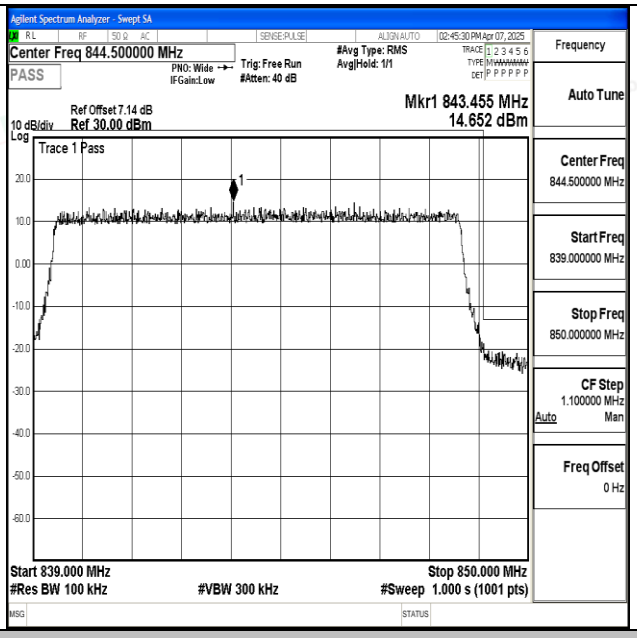
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

J.5 Conducted Spurious Emission

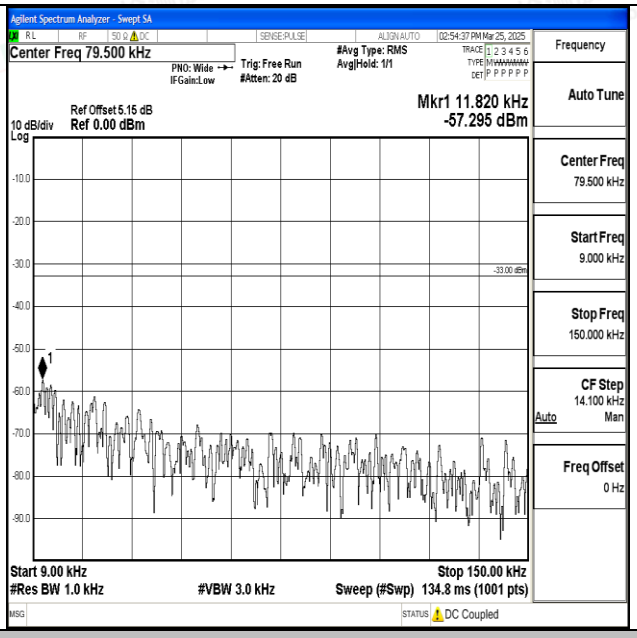
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-57.30	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-45.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-26.04	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-37.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-33.80	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-58.51	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-45.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-27.75	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-37.31	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-35.35	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-56.18	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-44.49	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-26.38	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-37.80	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-35.61	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-57.94	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-44.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-25.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-36.54	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-35.19	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-57.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-45.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-24.89	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-32.74	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-35.21	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-57.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-48.90	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-20.72	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-32.61	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-35.22	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-61.25	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-46.89	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-28.75	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-38.80	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-34.43	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-56.29	PASS

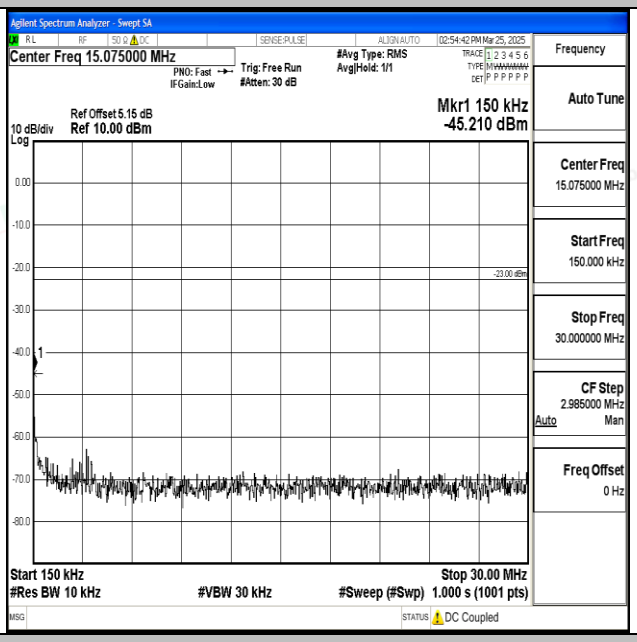
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-40.95	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-28.01	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-36.85	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-34.46	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-58.61	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-45.96	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-32.12	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-37.80	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-35.18	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-58.27	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-47.50	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-28.55	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-38.32	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-35.59	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-56.95	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-45.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-27.47	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-35.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-35.47	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-57.59	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-48.24	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-26.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-35.20	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-35.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-56.41	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-47.34	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-39.59	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-37.93	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-34.79	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-59.56	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-45.20	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-41.98	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-37.20	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-35.72	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-55.87	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-44.06	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-43.23	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-36.67	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-34.58	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-57.97	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-44.65	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-40.67	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-37.20	PASS

Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-34.78	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-58.63	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-45.79	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-41.49	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-38.19	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-35.27	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-56.16	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-46.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-40.68	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-38.87	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-34.53	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-57.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-48.72	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-52.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-38.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-35.29	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-55.89	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-43.37	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-53.01	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-38.58	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-35.74	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-56.48	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-49.00	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-53.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-37.16	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-35.78	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-56.07	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-46.13	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-51.97	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-37.20	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-34.62	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-57.60	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-48.73	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-52.74	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-38.33	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-35.64	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-58.07	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-47.82	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-52.61	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-38.24	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-34.95	PASS

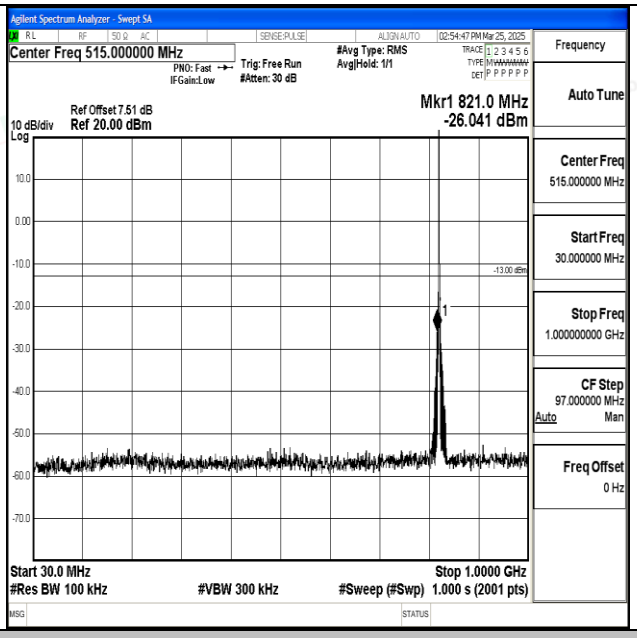
Test Graphs



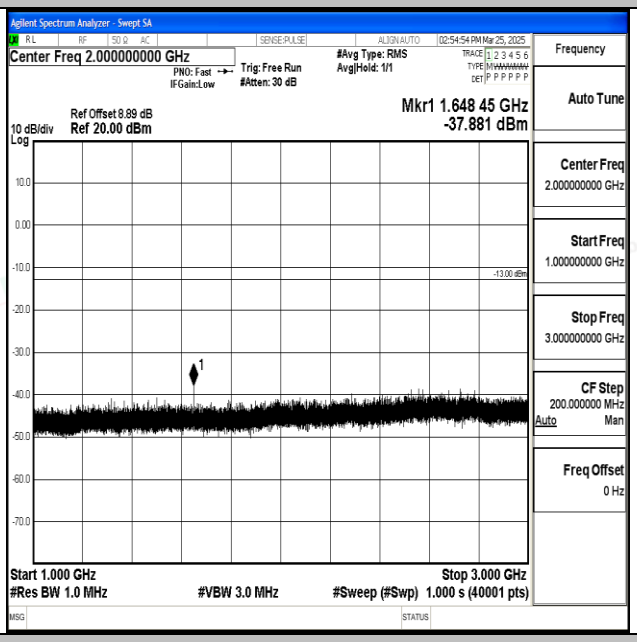
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



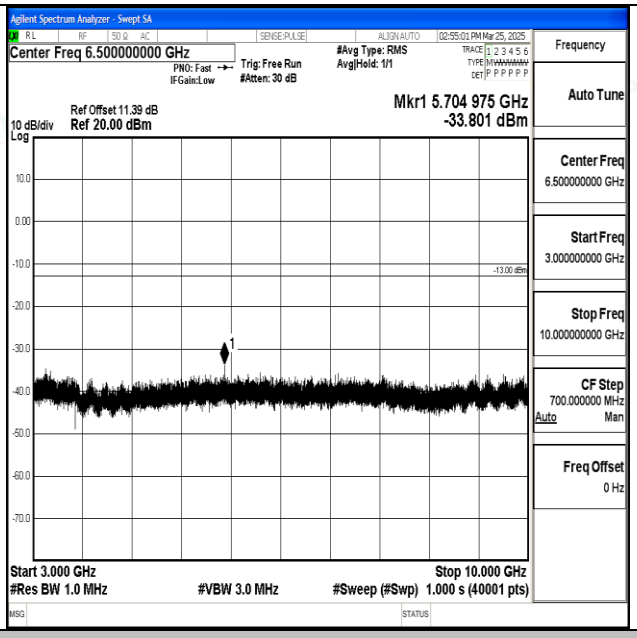
Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30



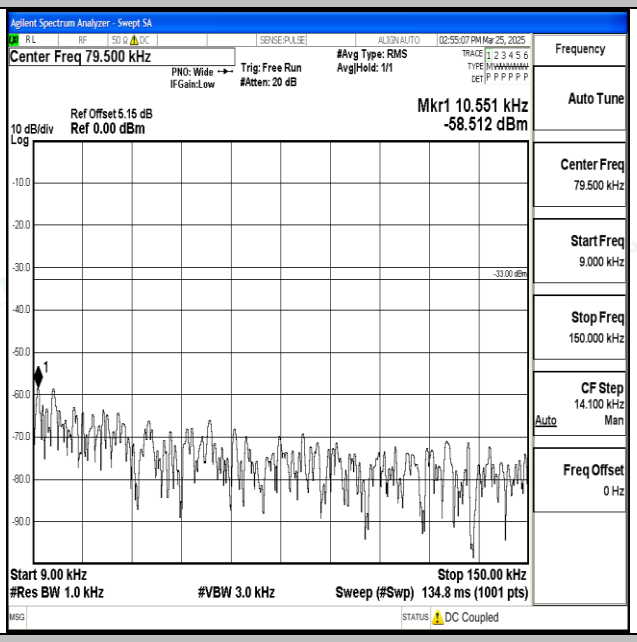
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000



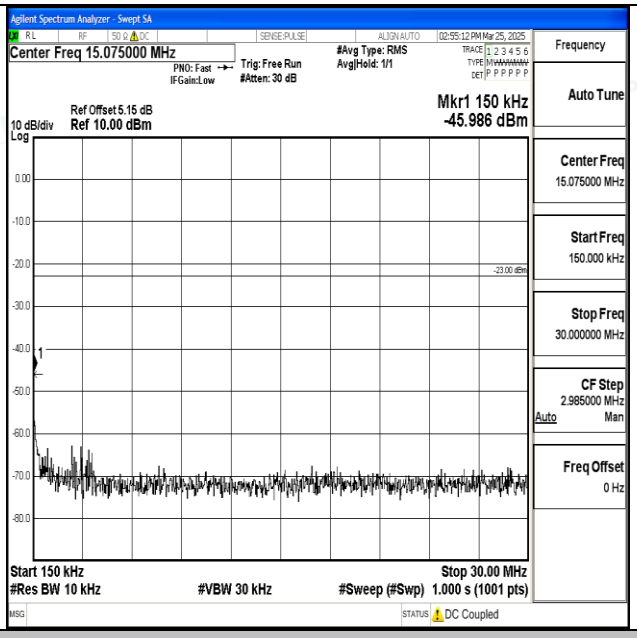
Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000



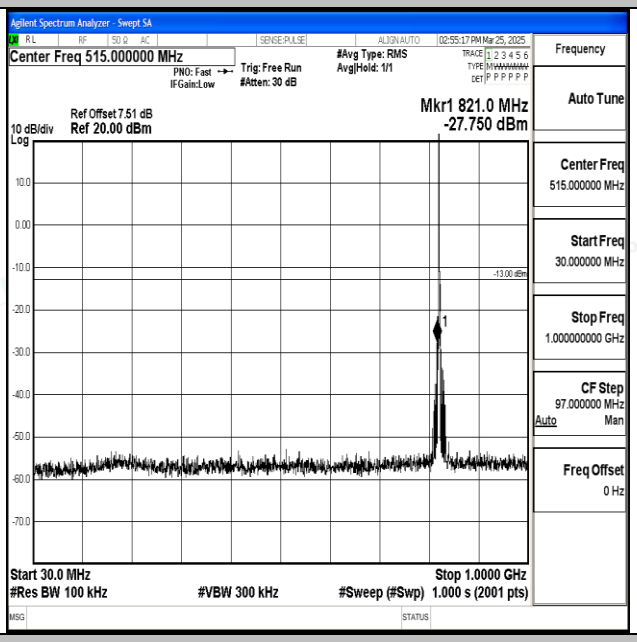
Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_16QAM_20407_1RB#0_0.15~30_0.15~30



Band5_1.4MHz_16QAM_20407_1RB#0_30~1000_30~1000