Appendix D: Test Data for LTE Band 5

Product Name: GNSS Tracker

Test Model: GV75CG

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

D.1 Conducted Output Power Data for LTE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.73	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.70	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.69	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.75	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.88	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.35	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.79	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.36	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.86	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.03	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.08	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.51	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.55	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.46	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.55	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.46	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.23	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.70	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.08	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.98	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.68	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.69	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.69	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.54	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	21.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.33	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.09	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.44	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.21	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.83	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.53	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.14	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.48	PASS

Band5	1.4MHz	16QAM	20643	3RB#1	21.91	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.09	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.74	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.62	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.03	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.98	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.51	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.11	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.48	PASS
Band5	3MHz	QPSK	20415	1RB#14	21.95	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.60	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.03	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.61	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.92	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.60	PASS
Band5	3MHz	QPSK	20415	8RB#7	20.94	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.56	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.85	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.18	PASS
Band5	3MHz	QPSK	20525	1RB#0	21.50	PASS
Band5	3MHz	16QAM	20525	1RB#0	20.50	PASS
Band5	3MHz	QPSK	20525	1RB#8	21.61	PASS
Band5	3MHz	16QAM	20525	1RB#8	20.56	PASS
Band5	3MHz	QPSK	20525	1RB#14	21.51	PASS
Band5	3MHz	16QAM	20525	1RB#14	20.58	PASS
Band5	3MHz	QPSK	20525	8RB#0	20.52	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.23	PASS
Band5	3MHz	QPSK	20525	8RB#4	20.47	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.20	PASS
Band5	3MHz	QPSK	20525	8RB#7	20.57	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.18	PASS
Band5	3MHz	QPSK	20525	15RB#0	20.44	PASS
Band5	3MHz	16QAM	20525	15RB#0	19.74	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.54	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.12	PASS
Band5	3MHz	QPSK	20635	1RB#8	21.44	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.58	PASS
Band5	3MHz	QPSK	20635	1RB#14	20.83	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.04	PASS
Band5	3MHz	QPSK	20635	8RB#0	20.56	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.11	PASS
Band5	3MHz	QPSK	20635	8RB#4	20.55	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.07	PASS

Band5	3MHz	QPSK	20635	8RB#7	20.38	PASS
Band5	3MHz	16QAM	20635	8RB#7	19.91	PASS
Band5	3MHz	QPSK	20635	15RB#0	20.32	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.07	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.18	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.04	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.60	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.55	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.57	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.55	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.53	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.52	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.17	PASS
Band5	5MHz	16QAM	20425	12RB#6	23.30	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.33	PASS
Band5	5MHz	16QAM	20425	12RB#13	23.31	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.29	PASS
Band5	5MHz	16QAM	20425	25RB#0	23.27	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.64	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.55	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.60	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.68	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.79	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.70	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.71	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.27	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.56	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.12	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.63	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.25	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.58	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.27	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.63	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.66	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.27	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.78	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.19	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.69	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.34	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.84	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.43	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.80	PASS

Band5	5MHz	16QAM	20625	12RB#13	21.41	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.89	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.42	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.78	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.58	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.77	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.48	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.75	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.57	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.95	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.31	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.76	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.54	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.68	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.35	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.75	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.33	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.84	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.46	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.91	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.55	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.92	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.57	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.92	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.54	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.99	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.81	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.52	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.92	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.37	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.78	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.99	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.82	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.56	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.73	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.30	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.02	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.55	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.01	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.51	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.94	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.46	PASS

Band5	10MHz	QPSK	20600	50RB#0	21.83	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.53	PASS

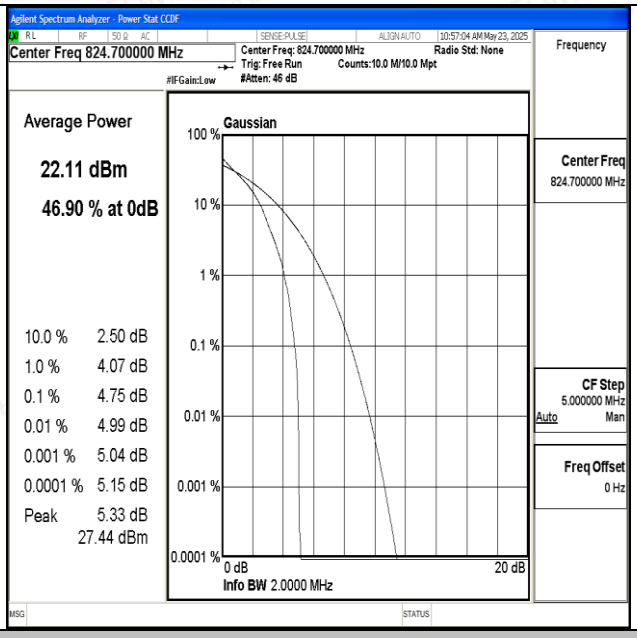
D.2 Peak-to-Average Ratio(CCDF) for LTE

Test Result

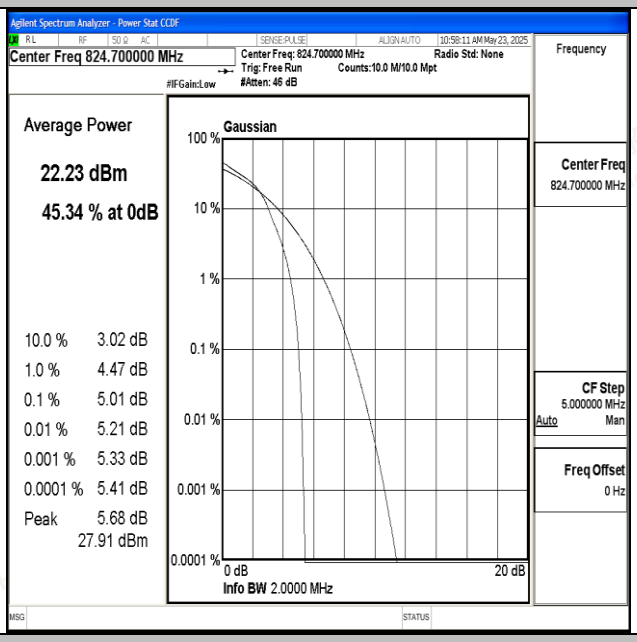
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.75	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.01	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.49	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.08	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.59	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.29	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.34	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.89	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.94	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.69	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.84	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.99	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.51	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.21	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.71	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.14	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.33	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.96	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.03	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.63	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.18	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.18	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.87	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.23	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.76	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.69	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.29	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.95	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.27	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.14	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.32	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.73	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.40	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.93	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	5.12	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.66	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.63	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.29	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.92	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.54	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.21	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.82	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

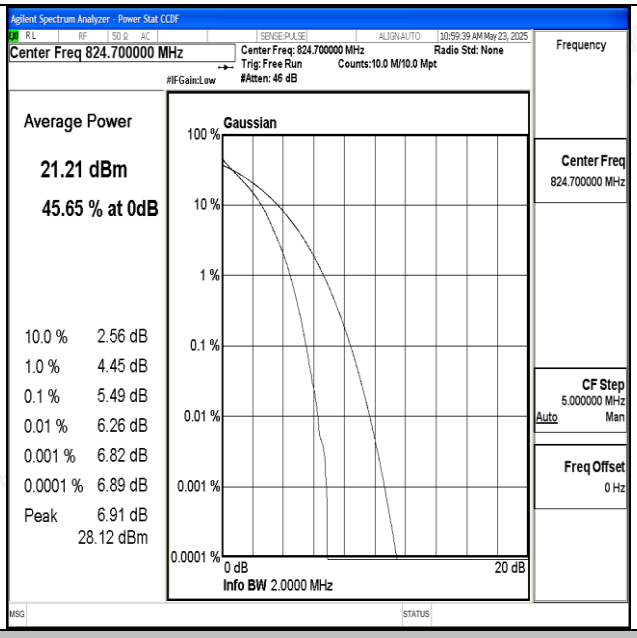
Test Graphs



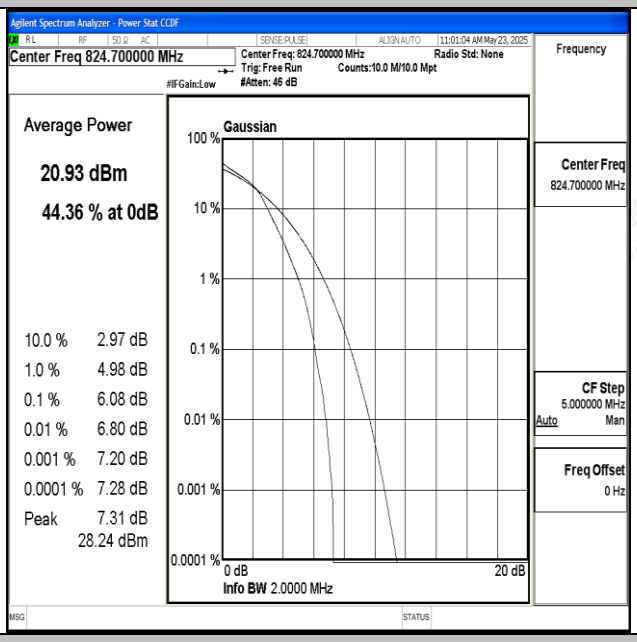
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



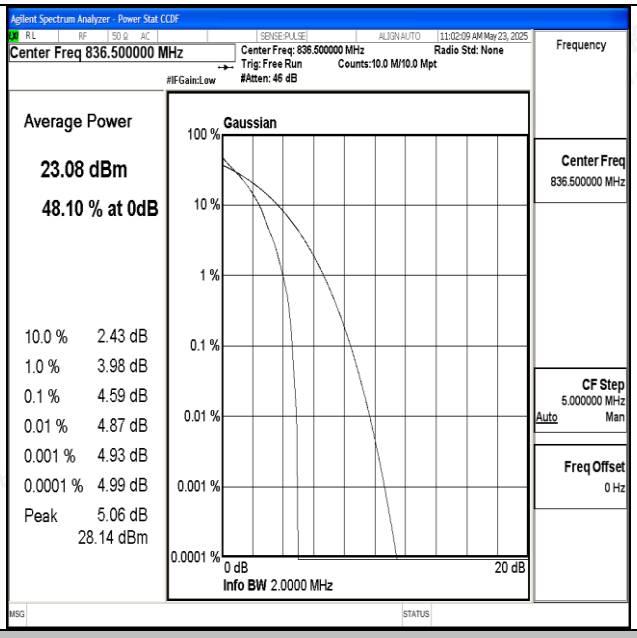
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



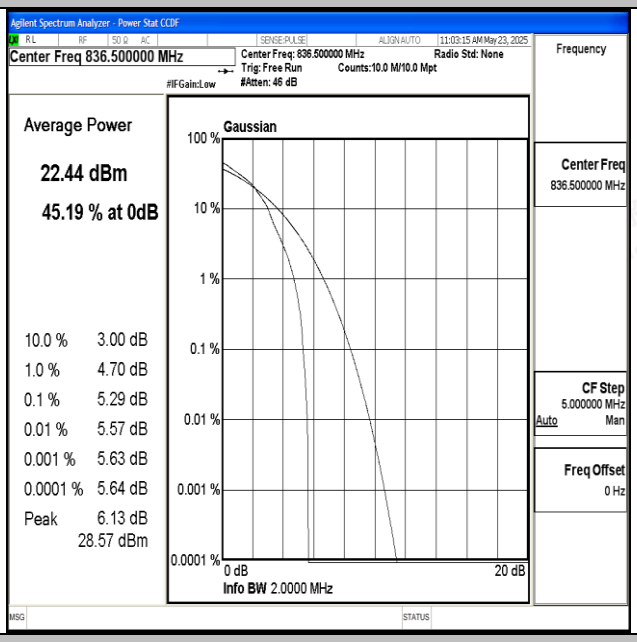
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



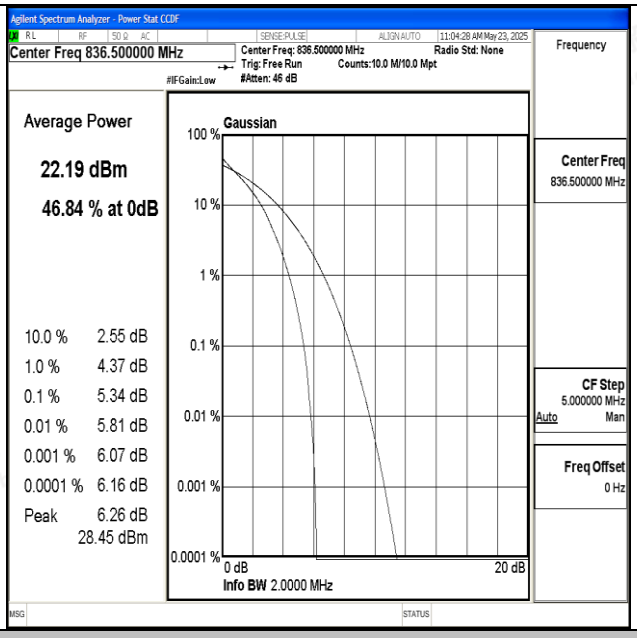
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



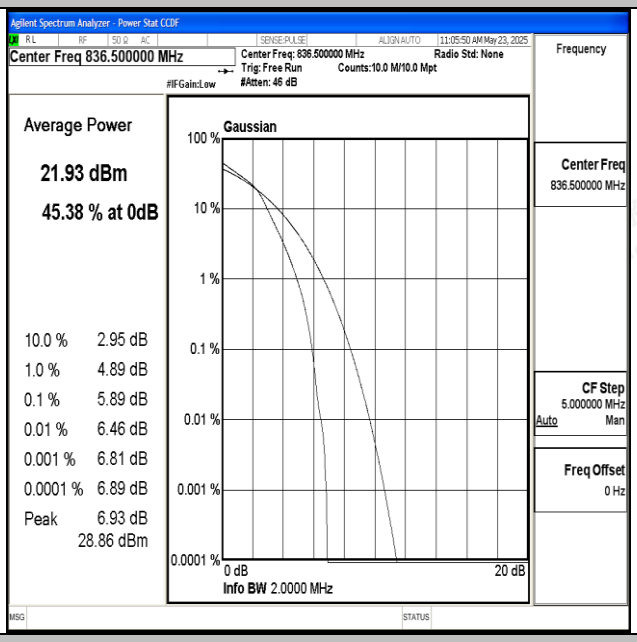
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



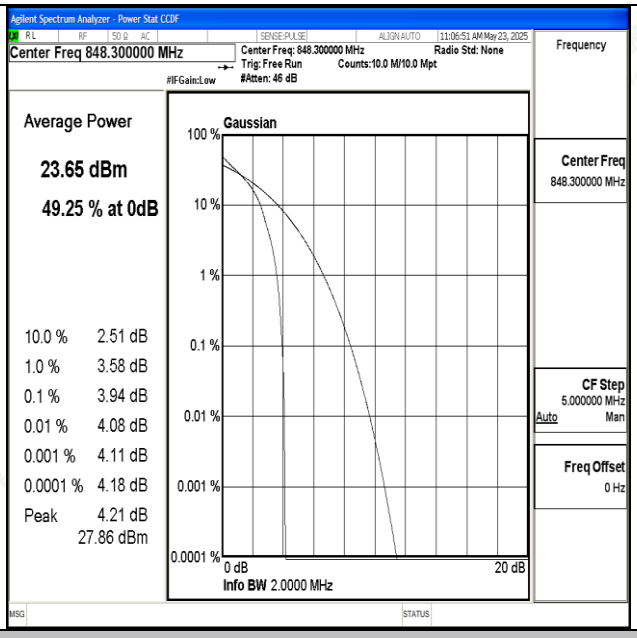
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



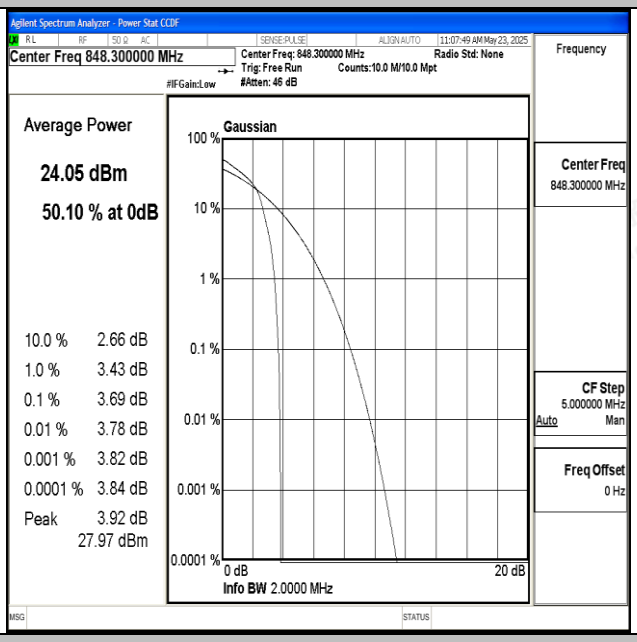
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



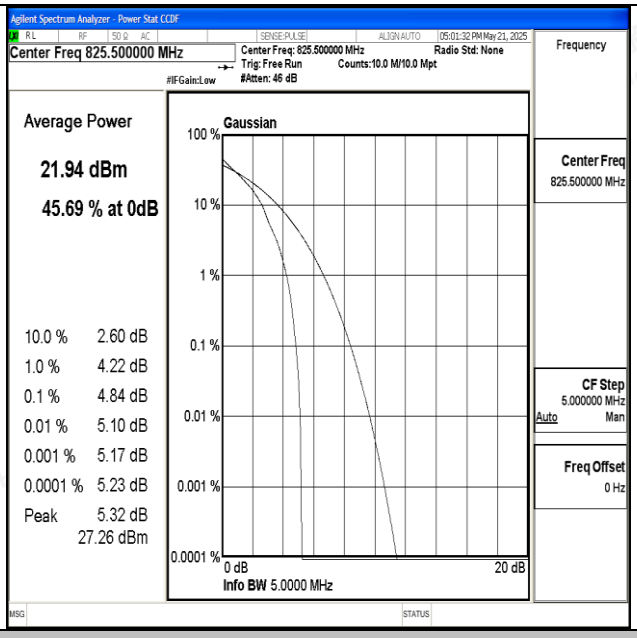
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



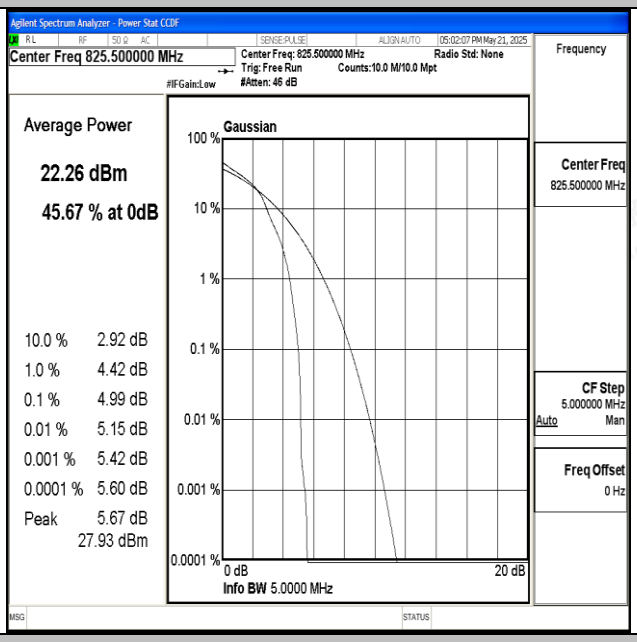
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



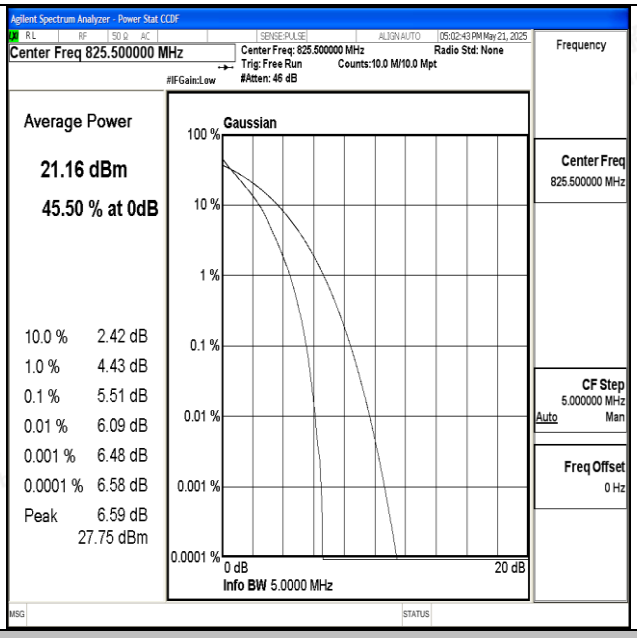
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



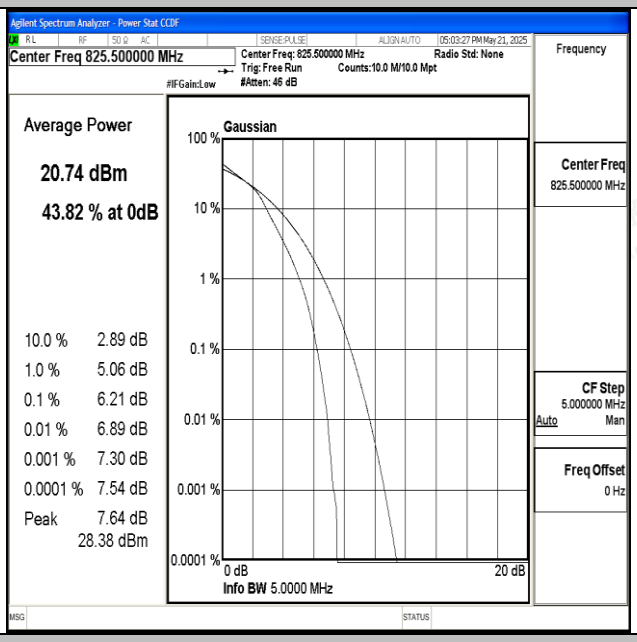
Band5-3MHz-QPSK-20415-1RB#0-PASS



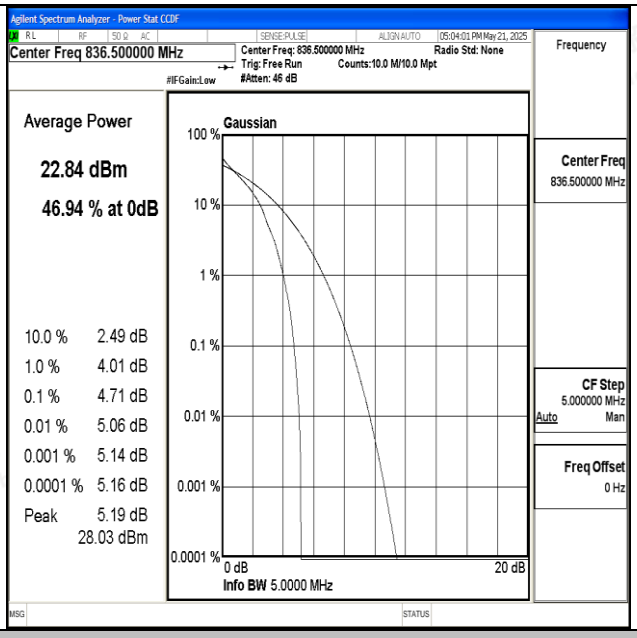
Band5-3MHz-16QAM-20415-1RB#0-PASS



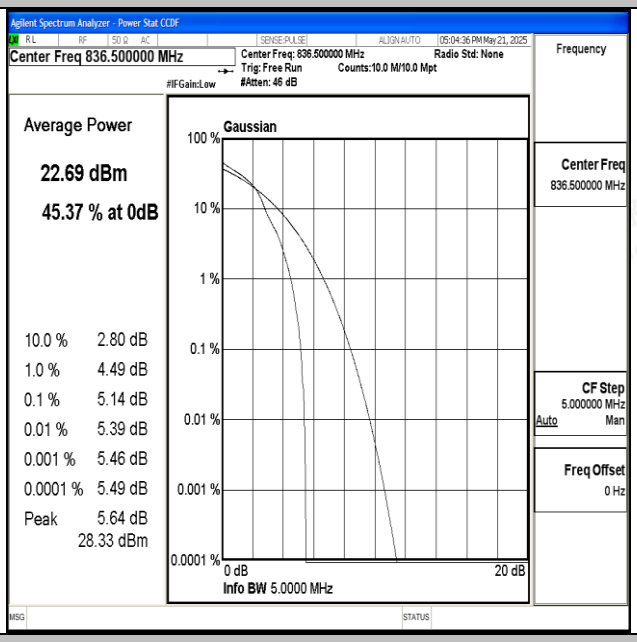
Band5-3MHz-QPSK-20415-15RB#0-PASS



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



Band5-3MHz-QPSK-20525-1RB#0-PASS



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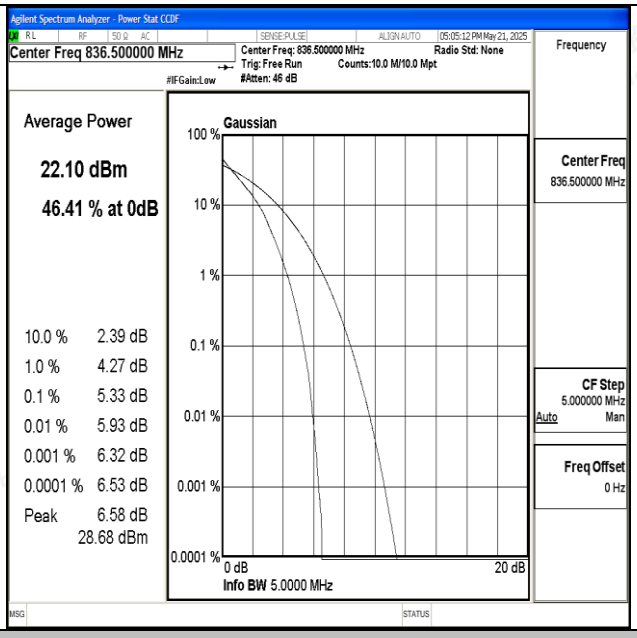

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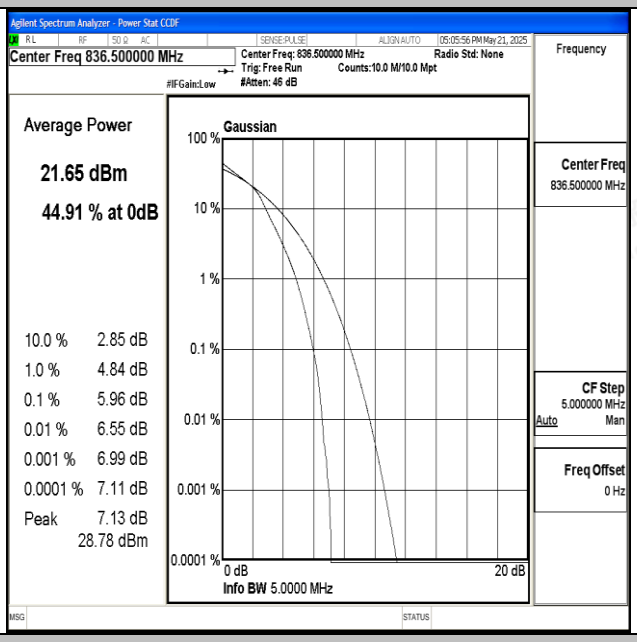

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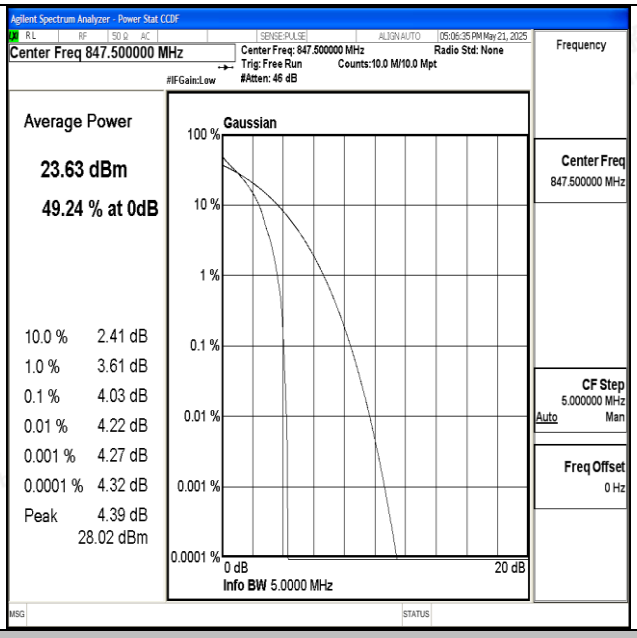

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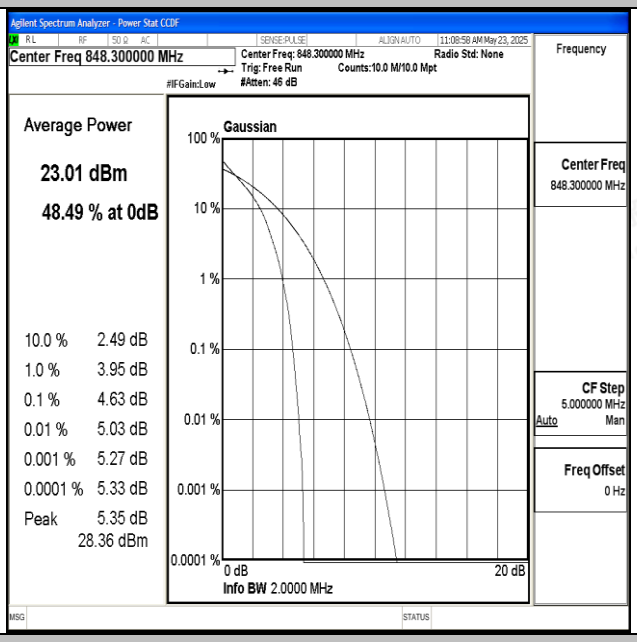
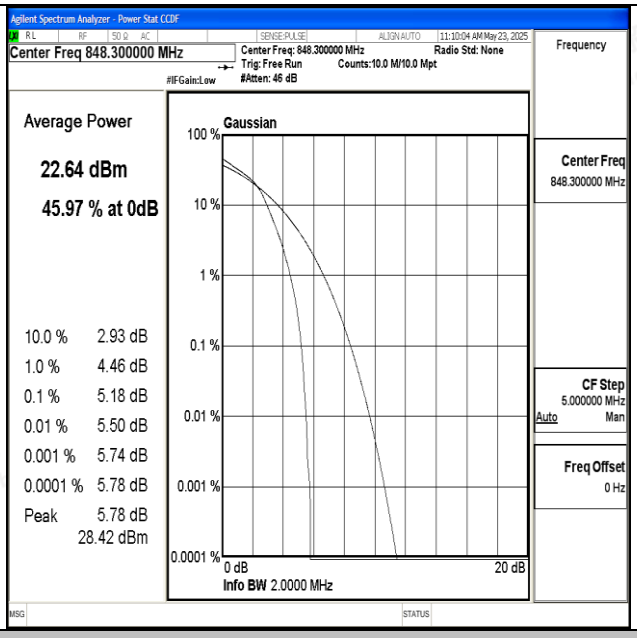


Band5-1.4MHz-QPSK-20643-6RB#0-PASS



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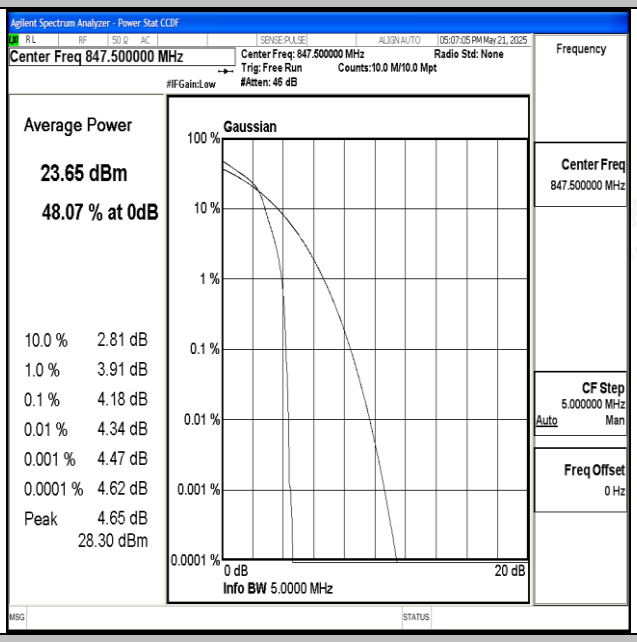

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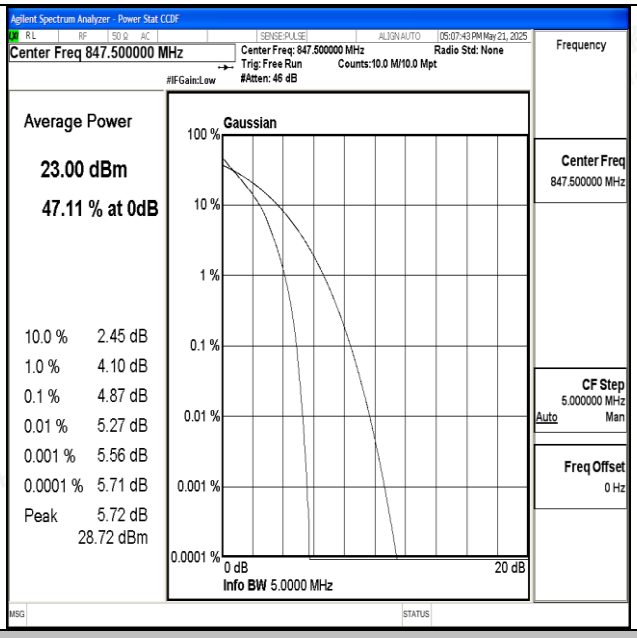

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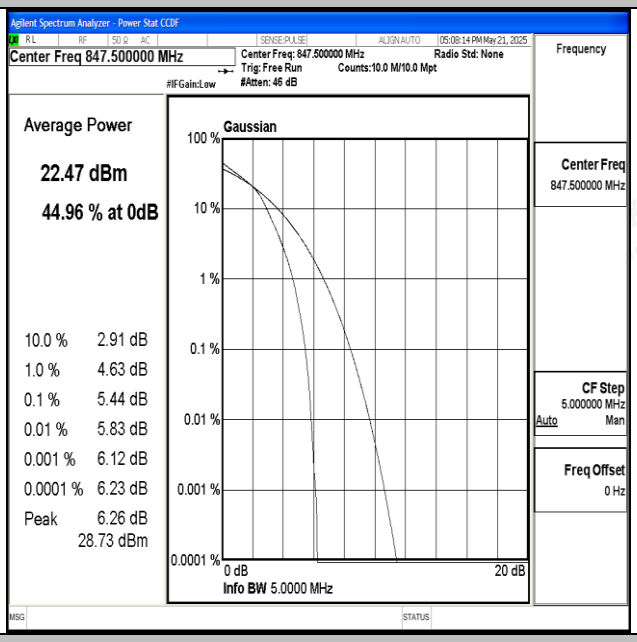

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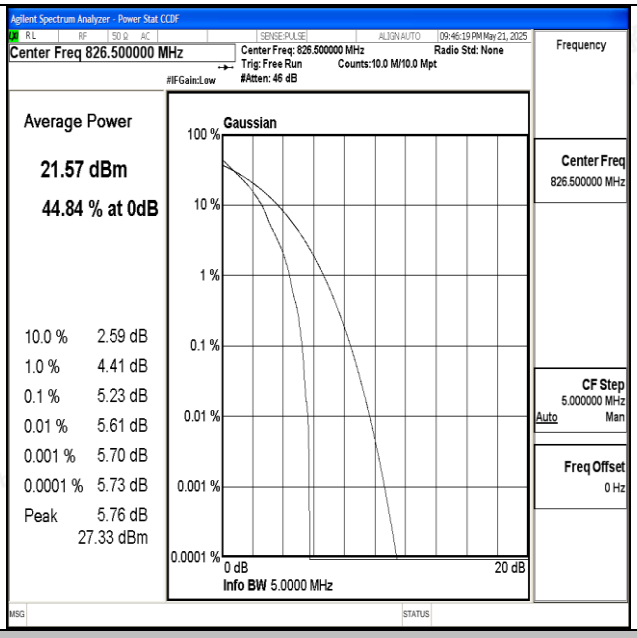

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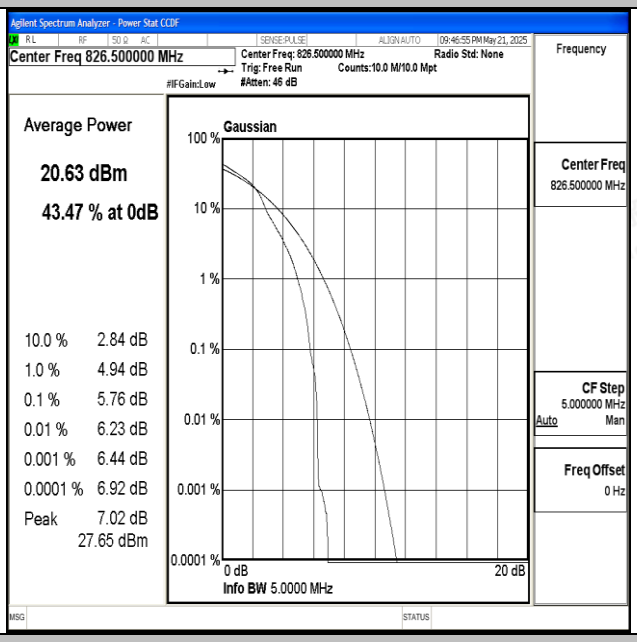

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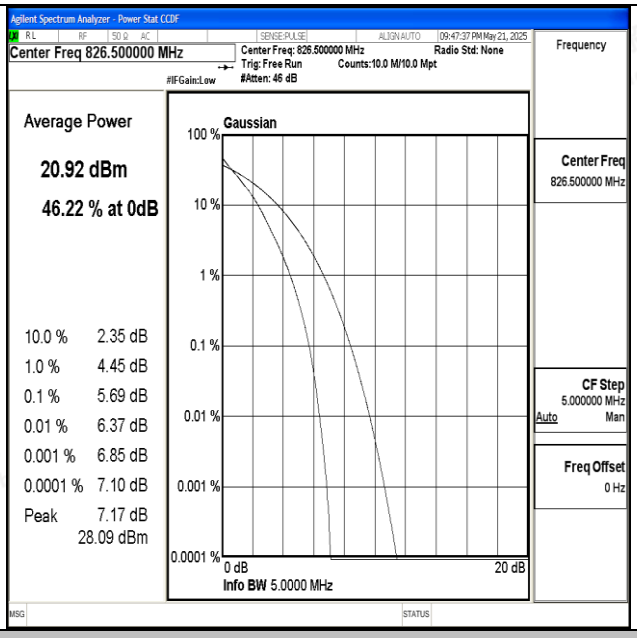

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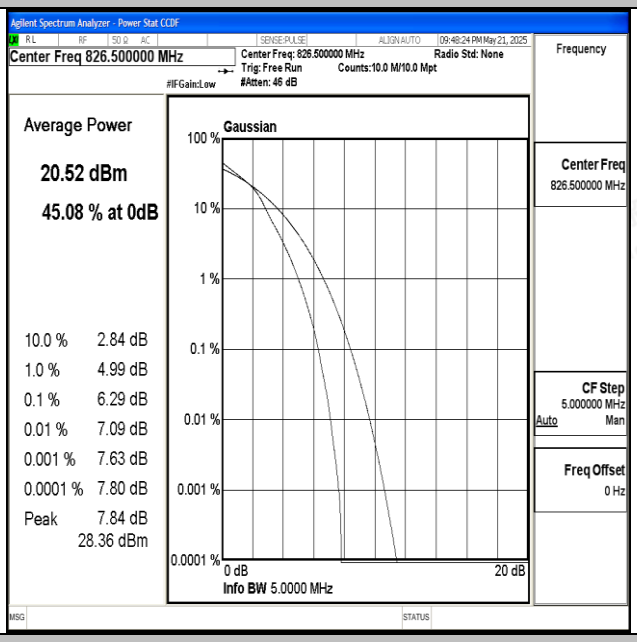

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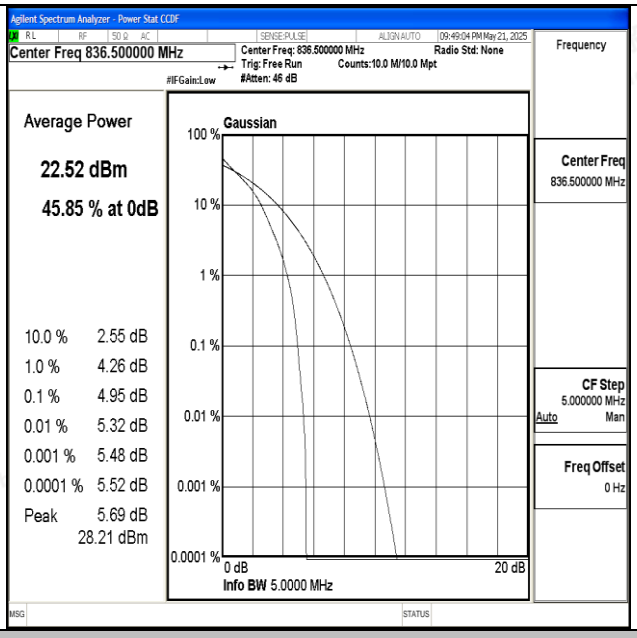
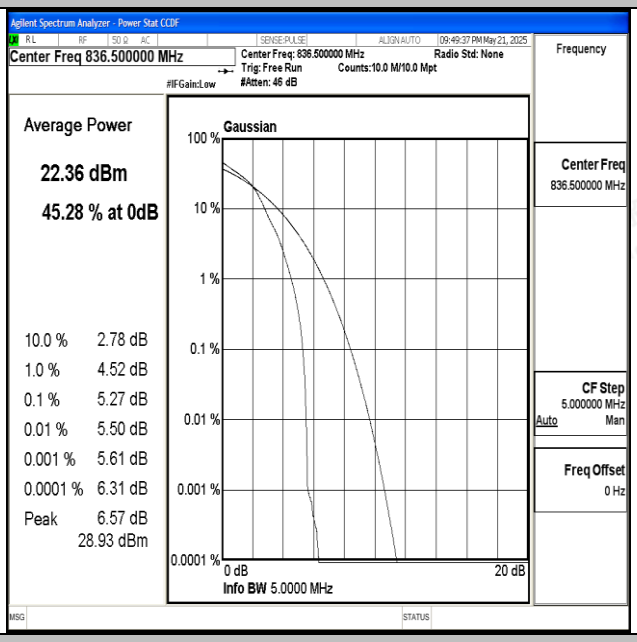


Band5-5MHz-QPSK-20525-1RB#0-PASS



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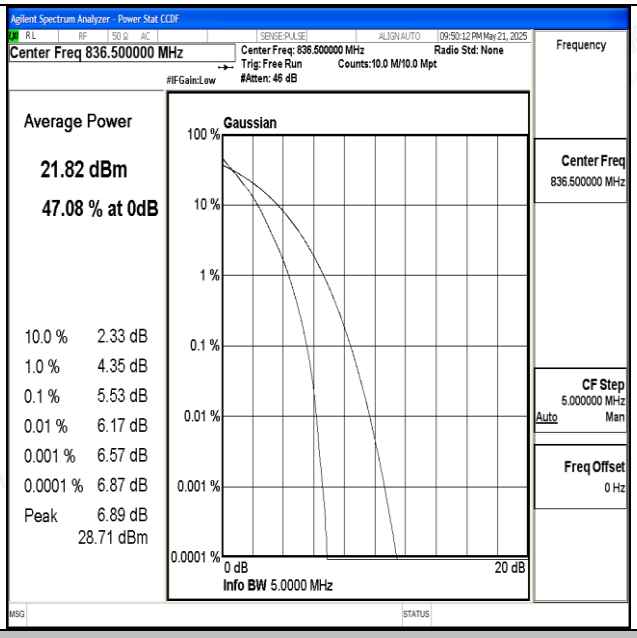

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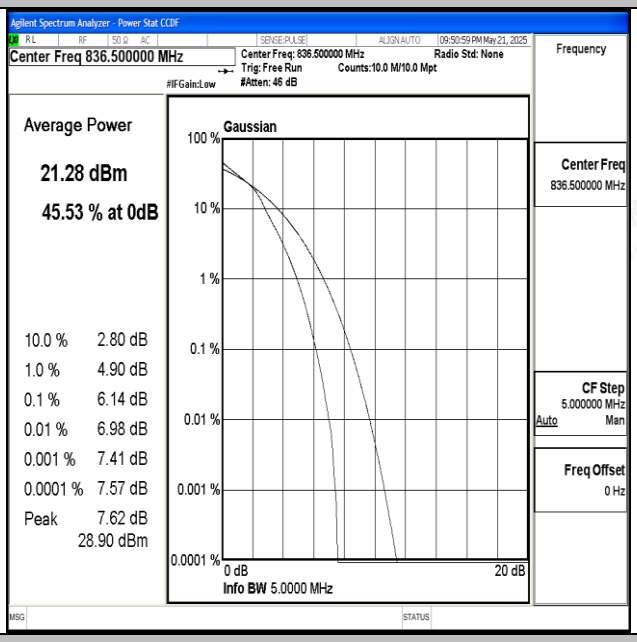

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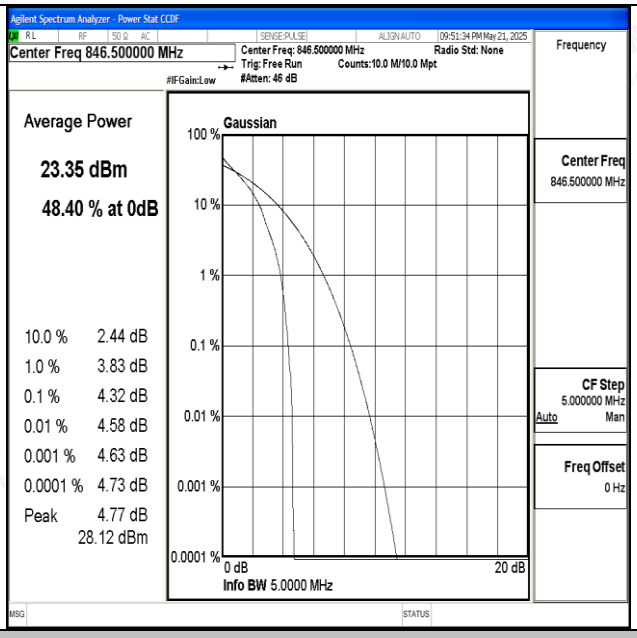

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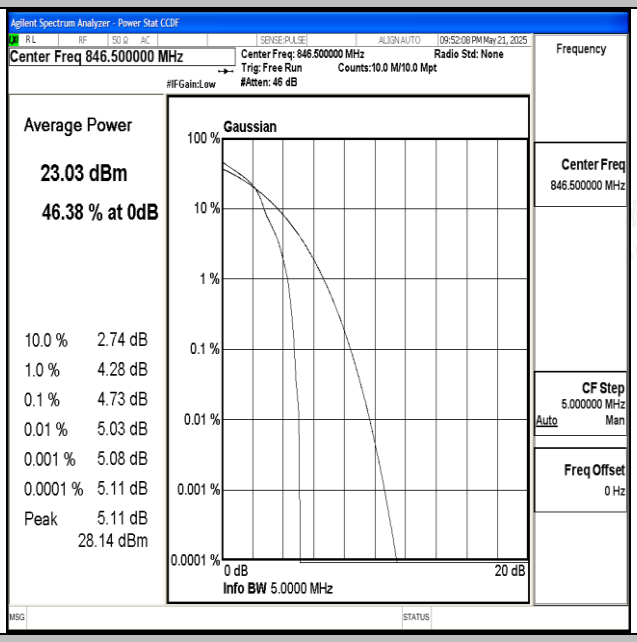

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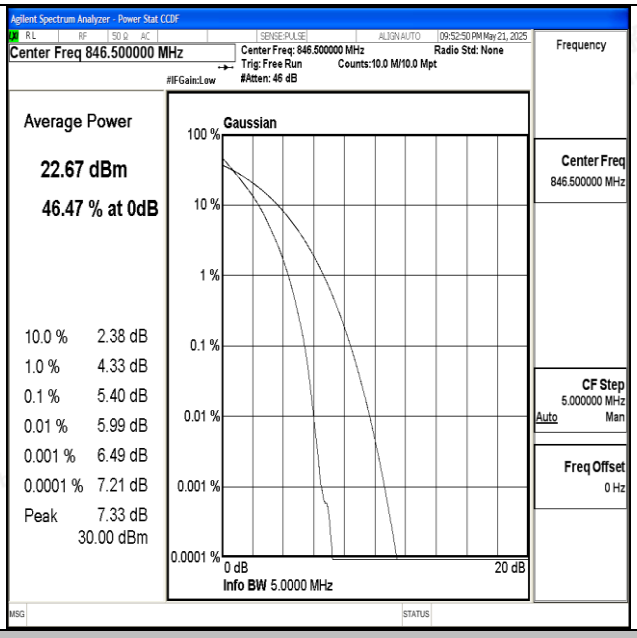

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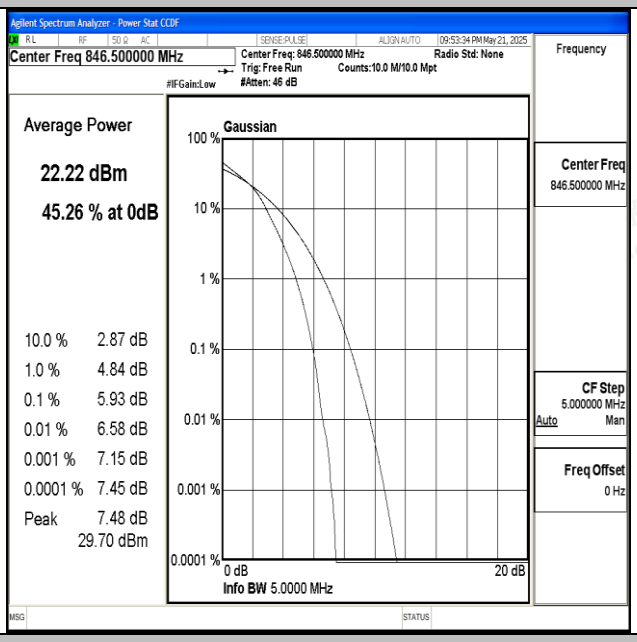

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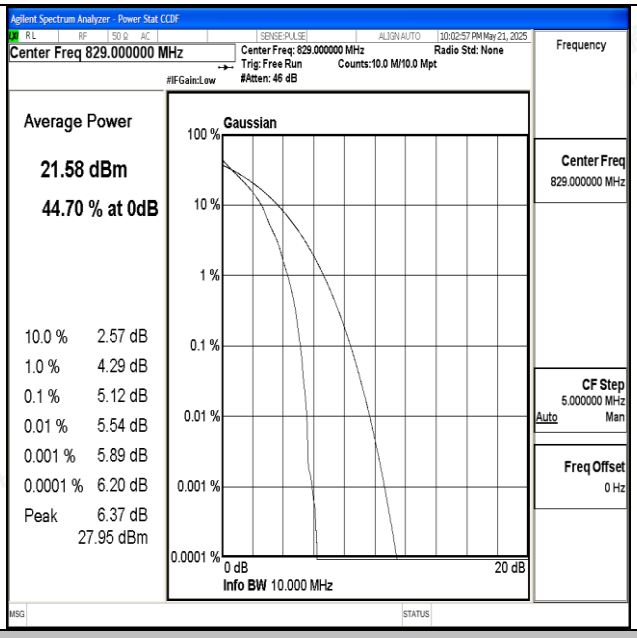
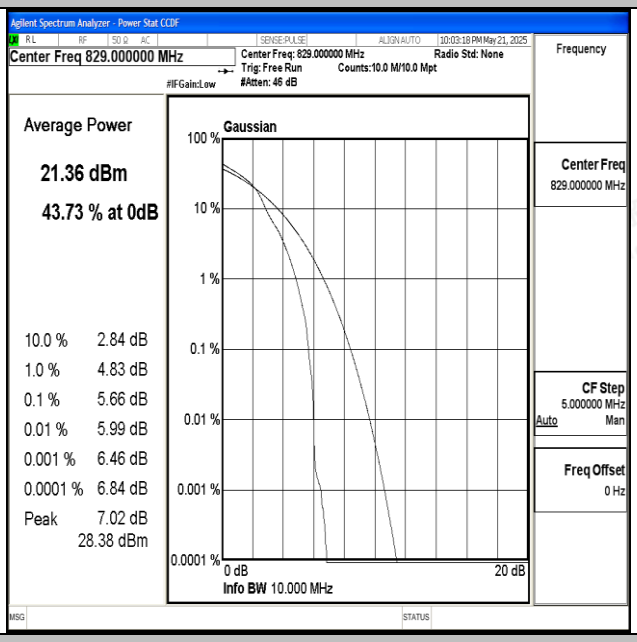


Band5-10MHz-QPSK-20450-1RB#0-PASS



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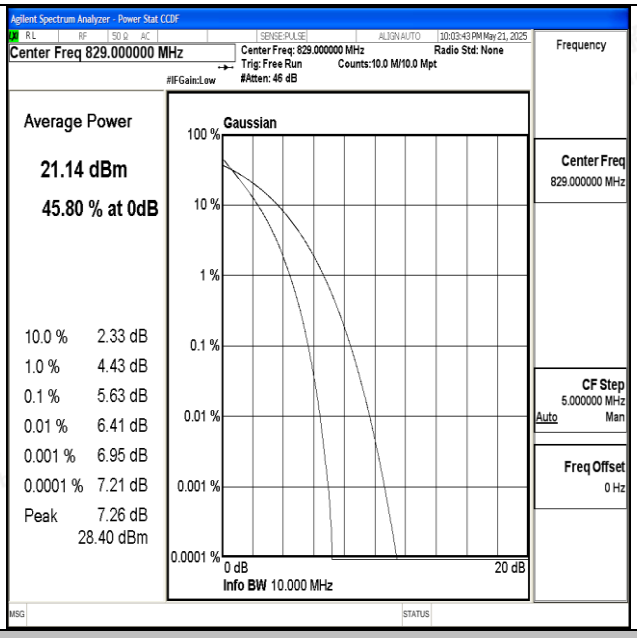

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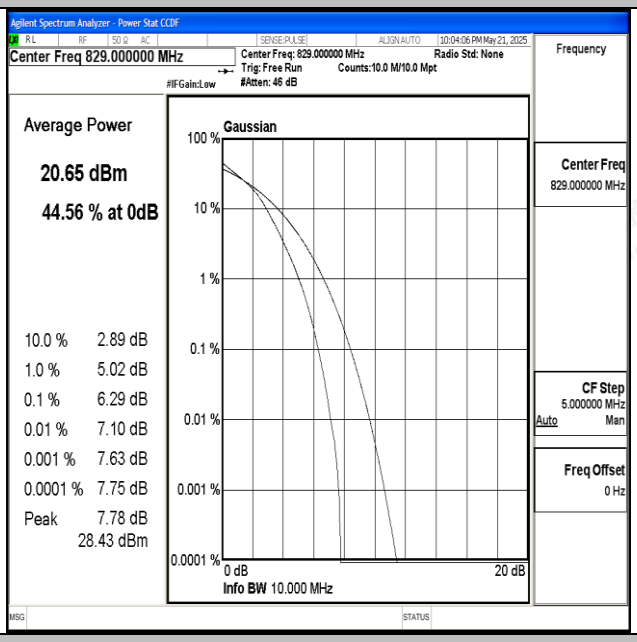

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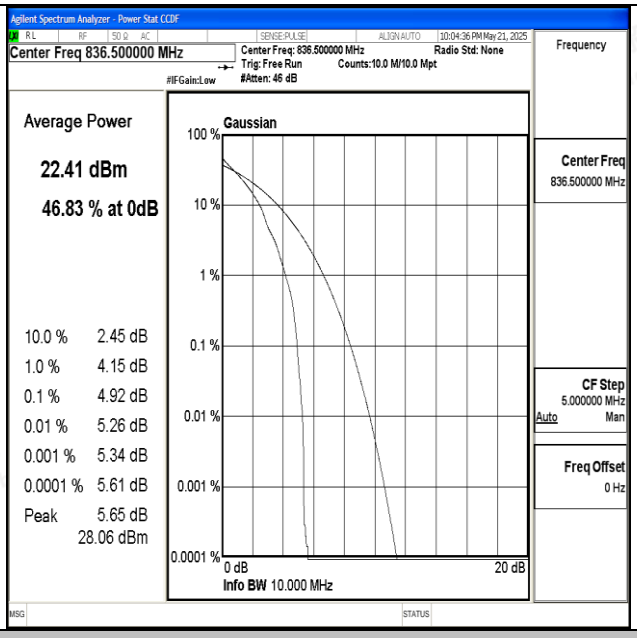
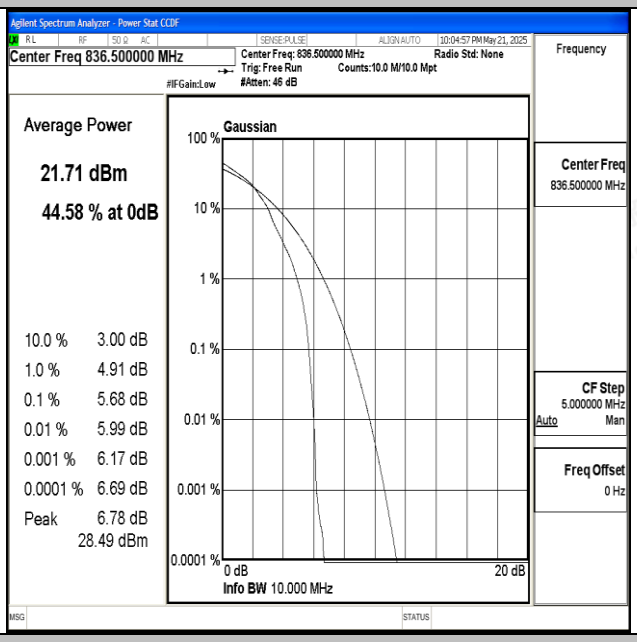


Band5-10MHz-QPSK-20525-1RB#0-PASS



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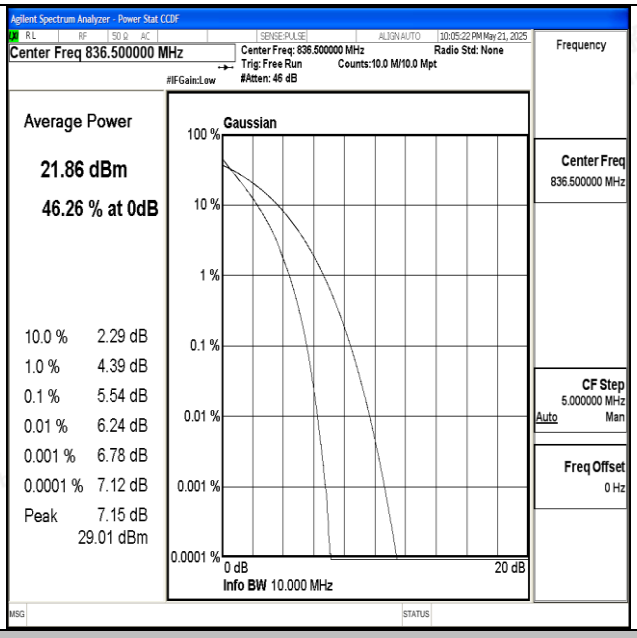

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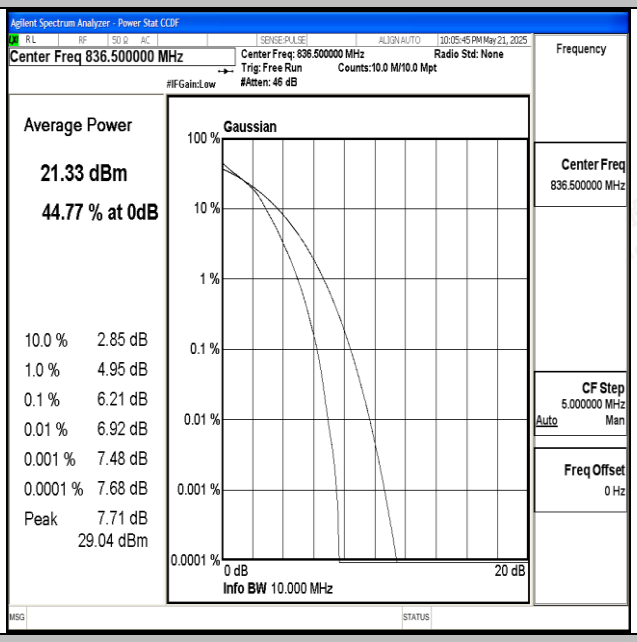

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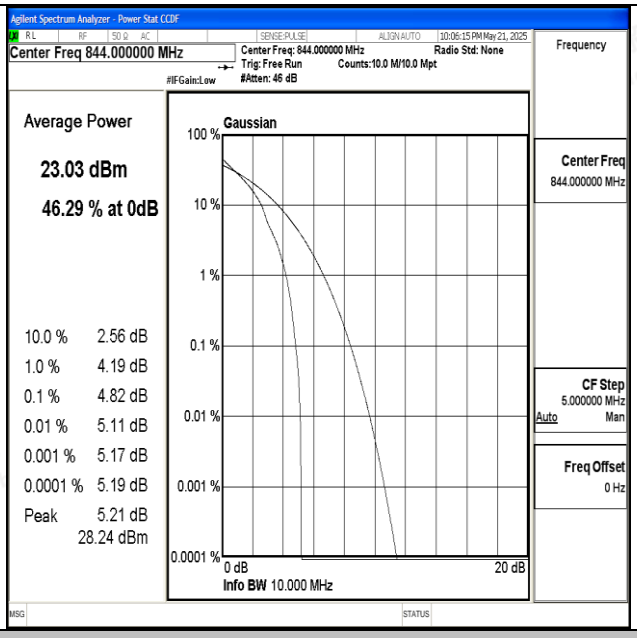
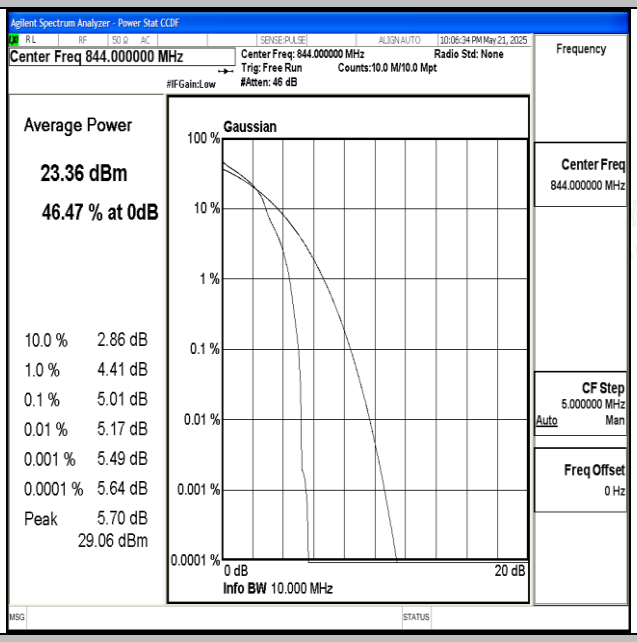
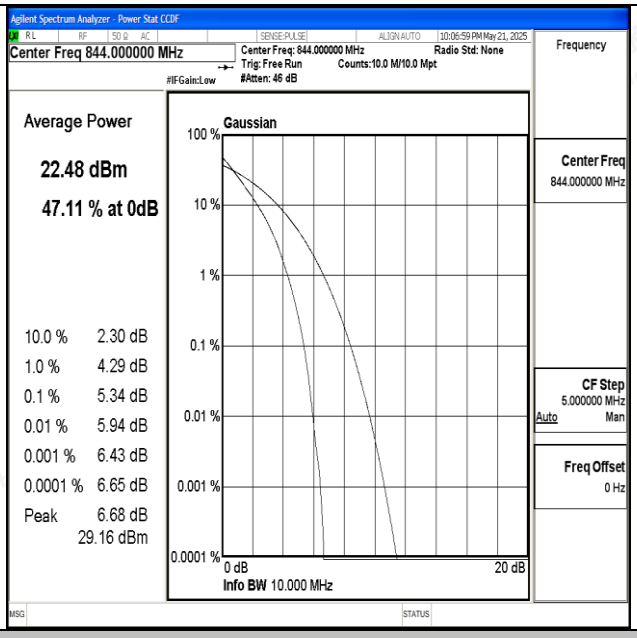


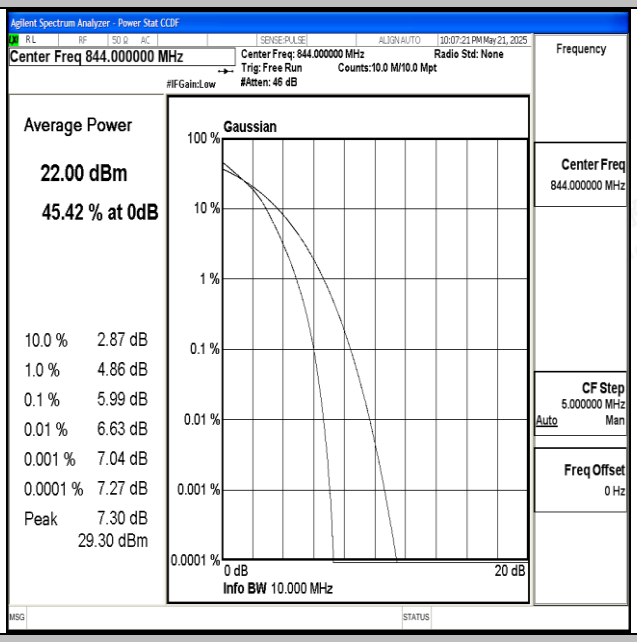
Band5-10MHz-QPSK-20600-1RB#0-PASS



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



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



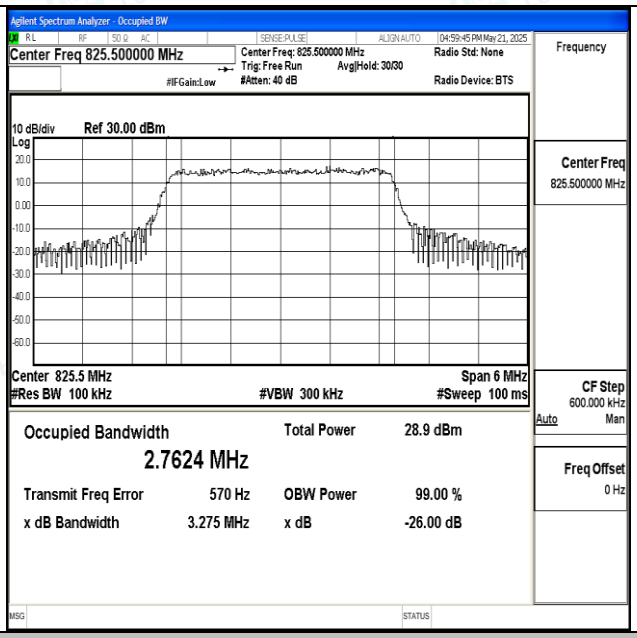
Band5-10MHz-16QAM-20600-50RB#0-PASS

D.3 26dB Bandwidth and Occupied Bandwidth for LTE

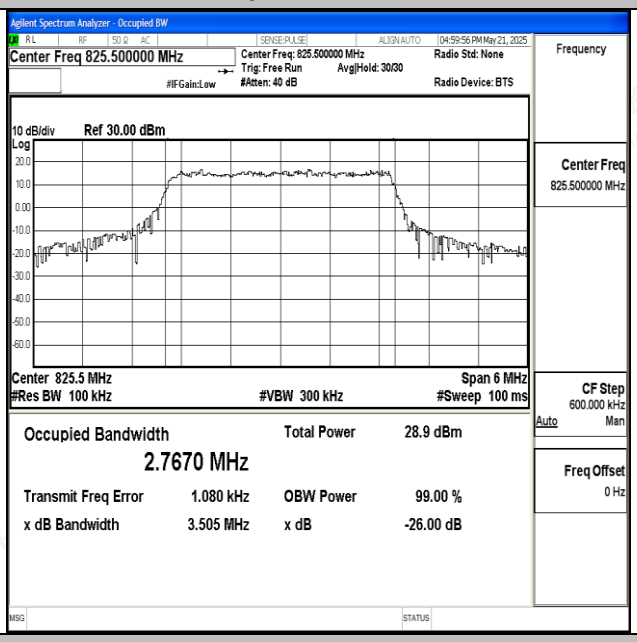
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0957	1.301	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1013	1.284	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0978	1.307	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1022	1.362	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1015	1.283	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0969	1.356	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7624	3.275	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7670	3.505	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7605	3.441	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7470	3.280	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7656	3.466	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7747	3.687	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5141	5.237	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5228	5.270	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5080	5.390	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5248	5.363	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5200	5.239	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5483	5.273	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9863	10.00	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9631	9.894	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0171	10.15	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0241	10.42	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9555	9.938	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9847	9.964	PASS

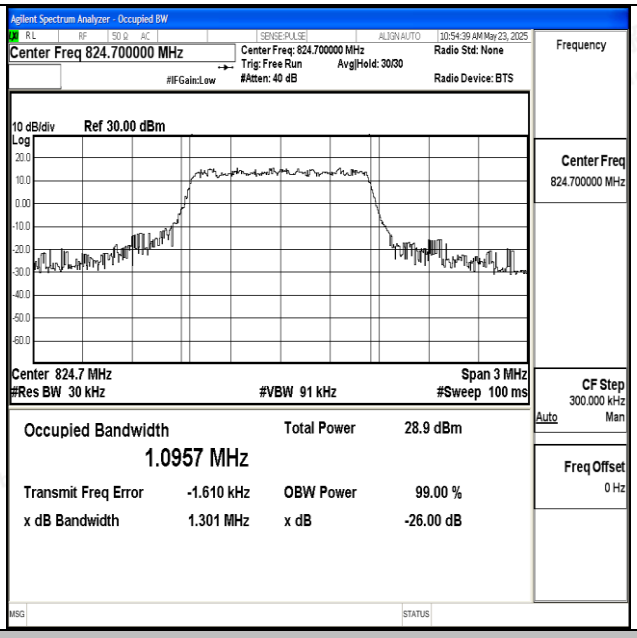
Test Graphs



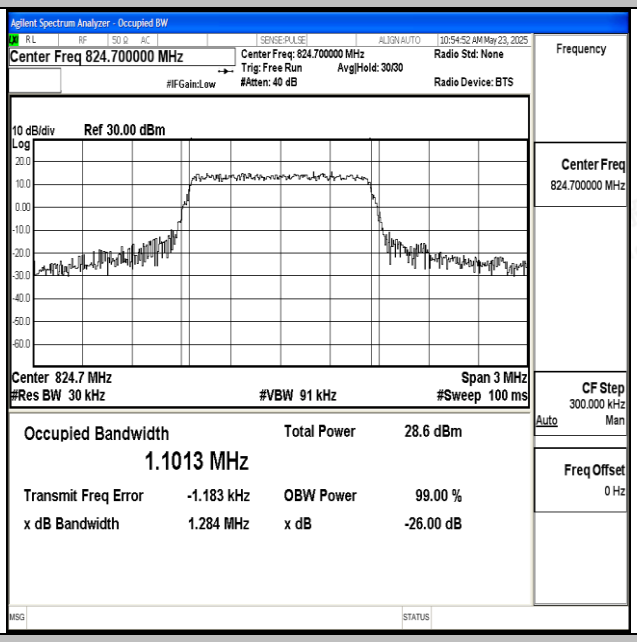
Band5-3MHz-QPSK-20415-15RB#0-PASS



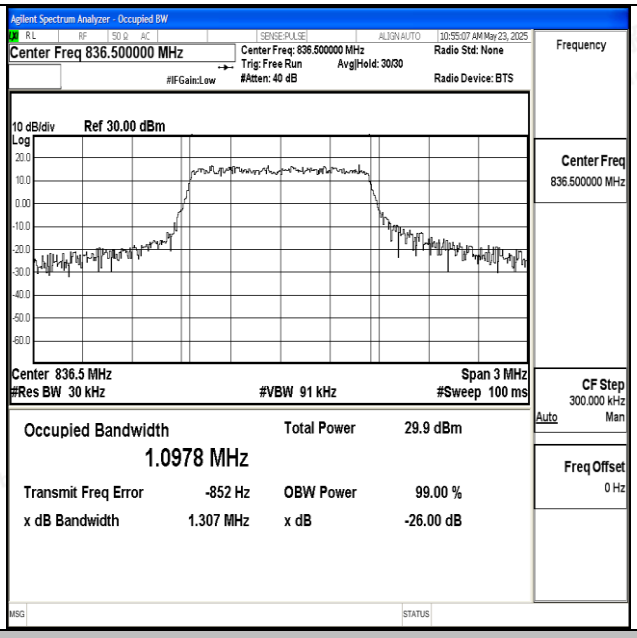
Band5-3MHz-16QAM-20415-15RB#0-PASS



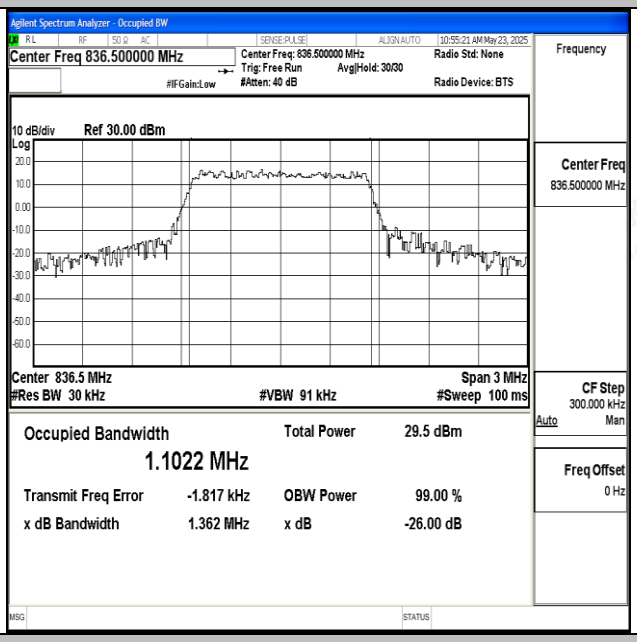
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



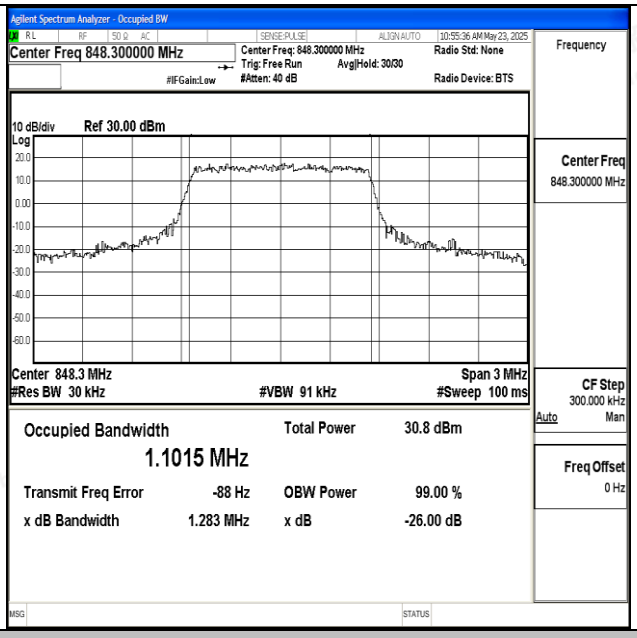
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



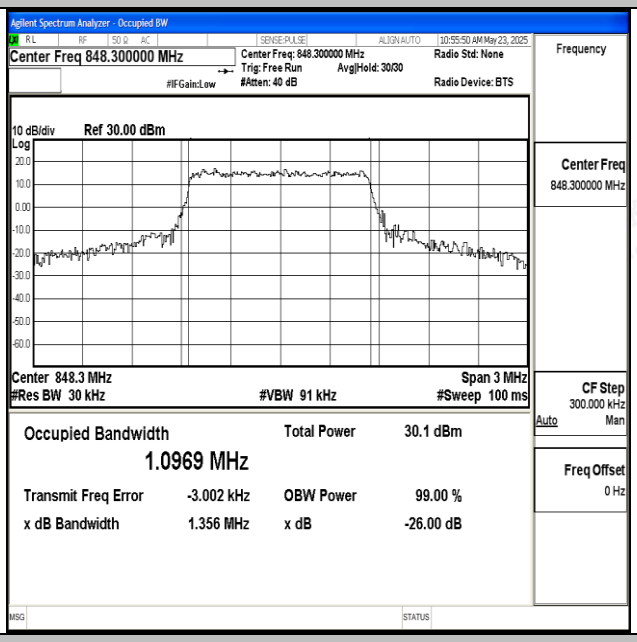
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



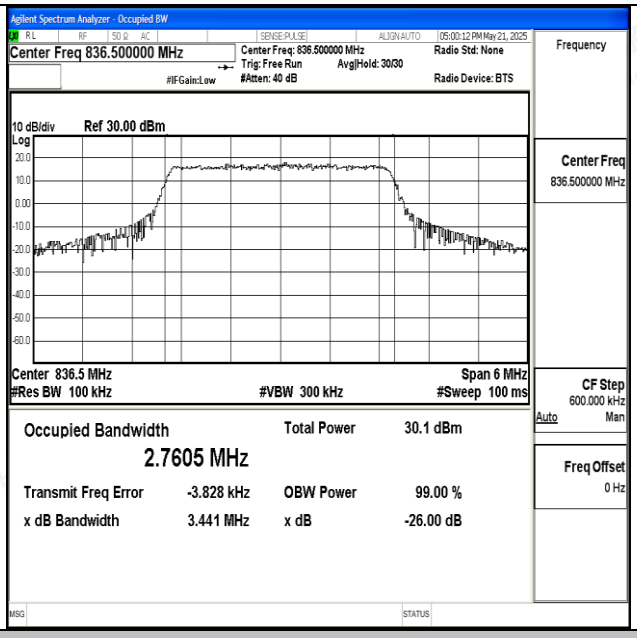
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



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



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



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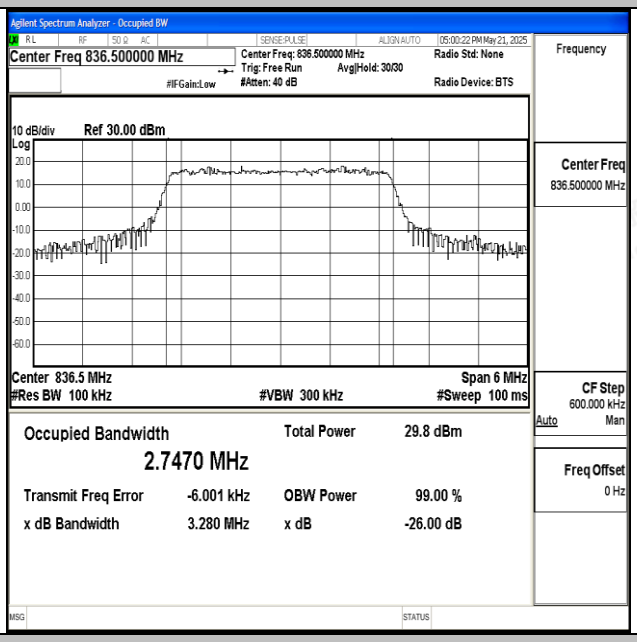
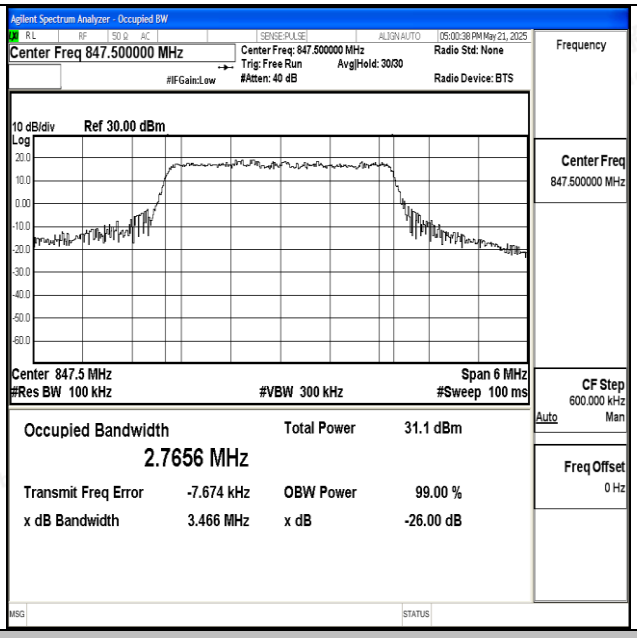
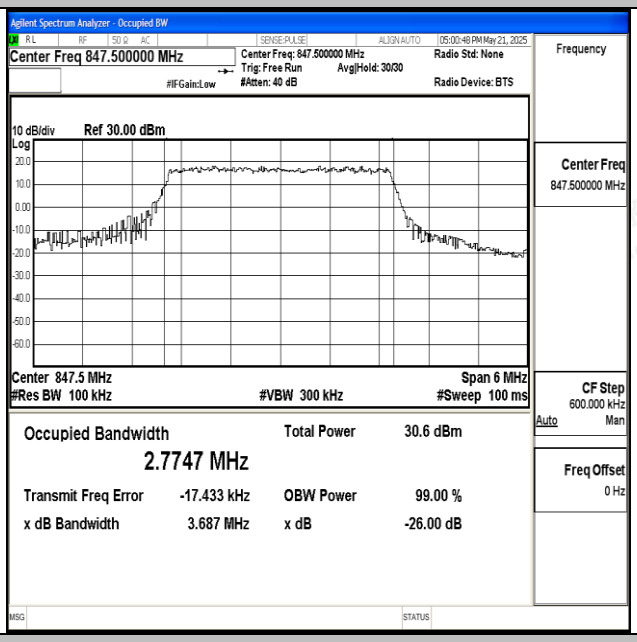


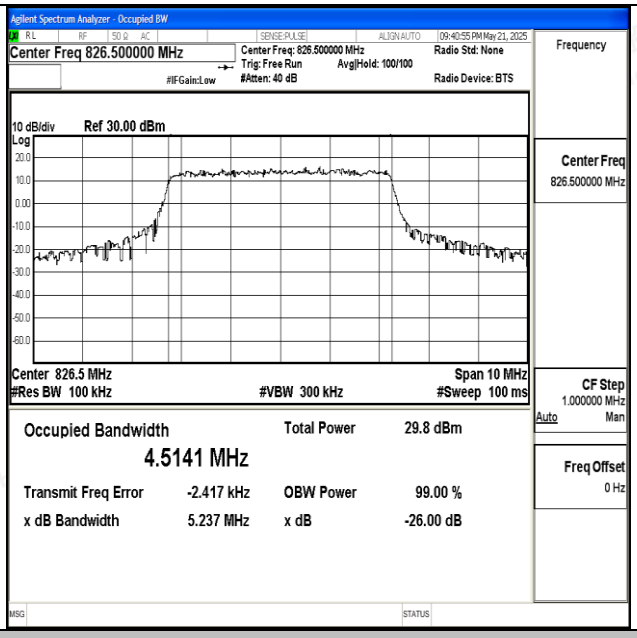
Band5-3MHz-16QAM-20525-15RB#0-PASS



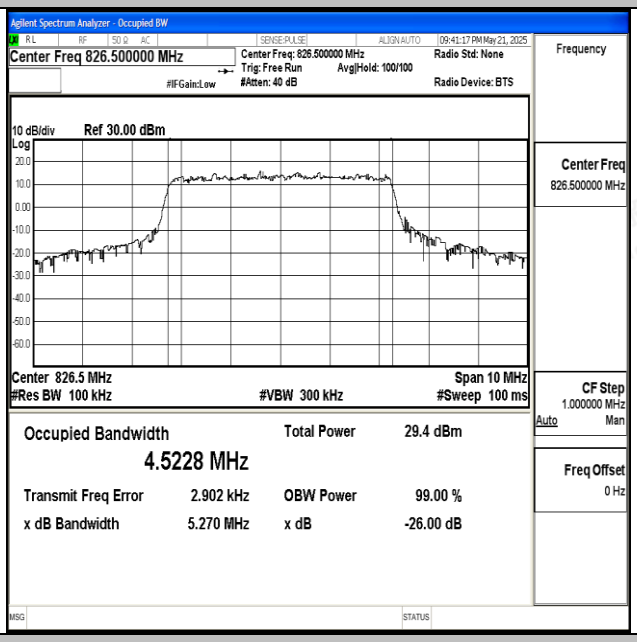
Band5-3MHz-QPSK-20635-15RB#0-PASS



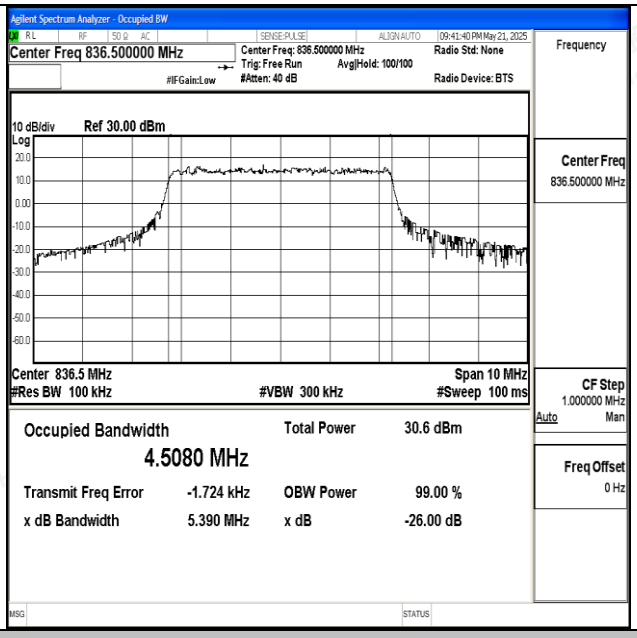
Band5-3MHz-16QAM-20635-15RB#0-PASS



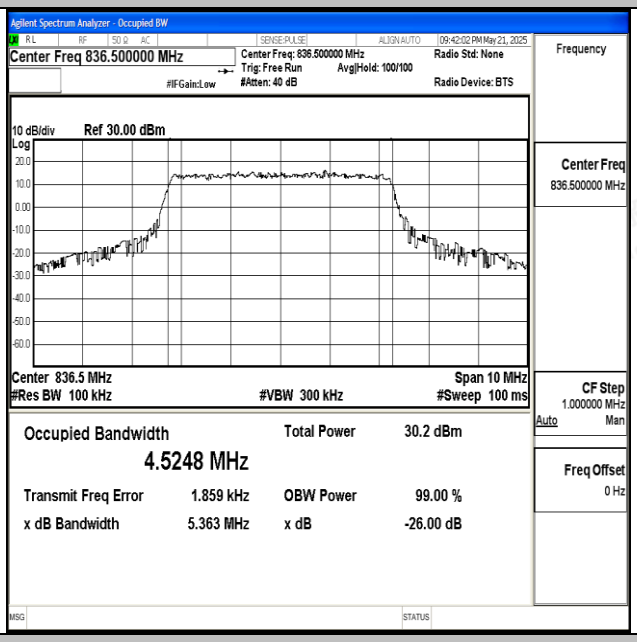
Band5-5MHz-QPSK-20425-25RB#0-PASS



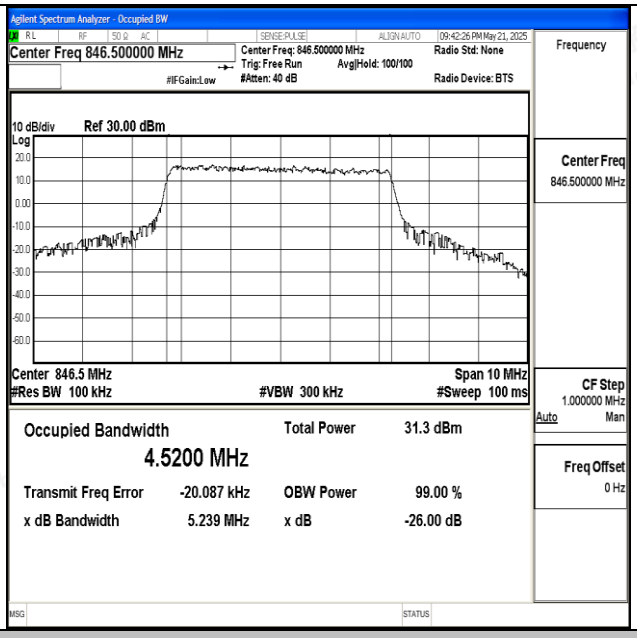
Band5-5MHz-16QAM-20425-25RB#0-PASS



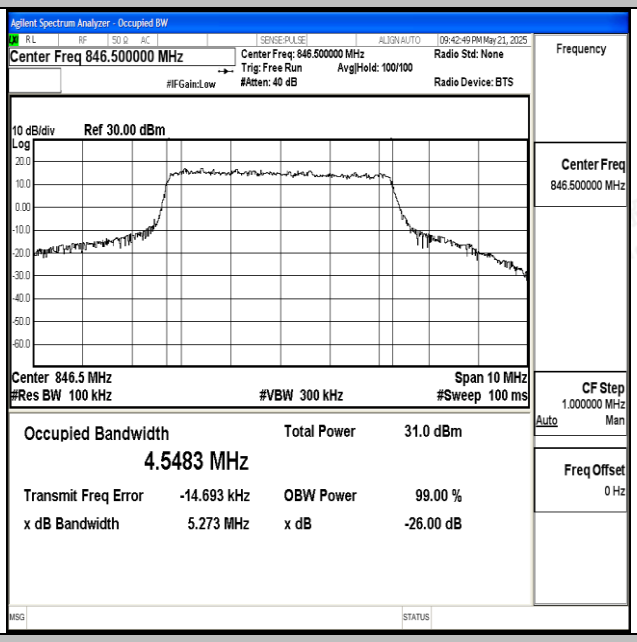
Band5-5MHz-QPSK-20525-25RB#0-PASS



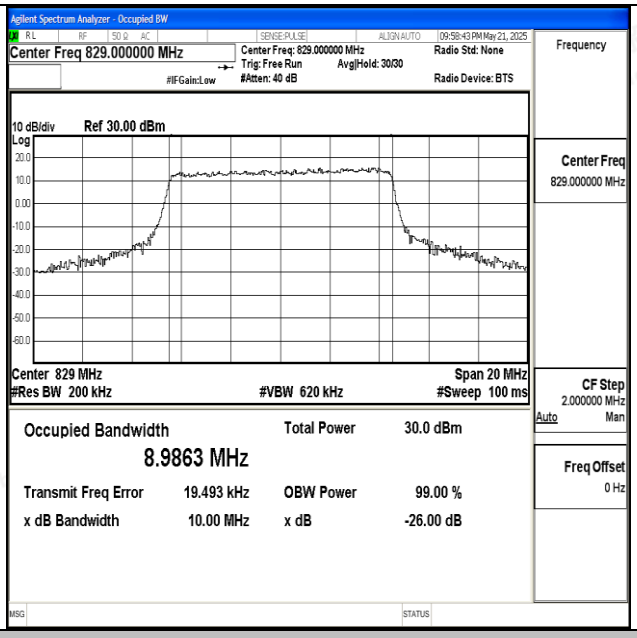
Band5-5MHz-16QAM-20525-25RB#0-PASS



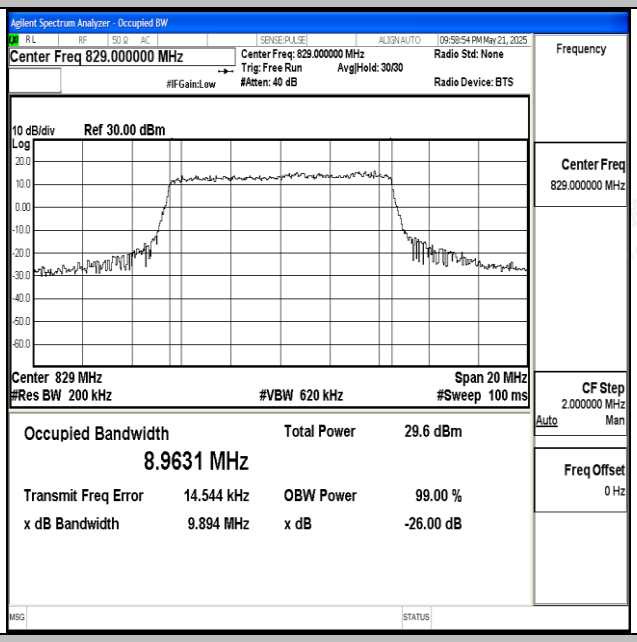
Band5-5MHz-QPSK-20625-25RB#0-PASS



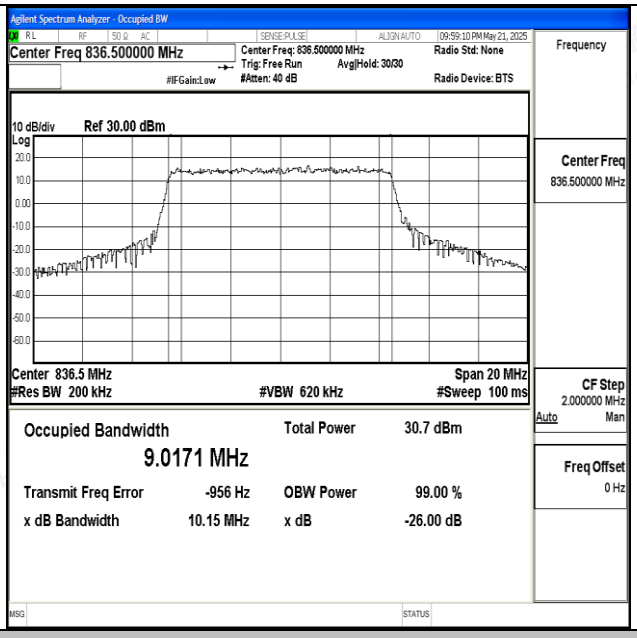
Band5-5MHz-16QAM-20625-25RB#0-PASS



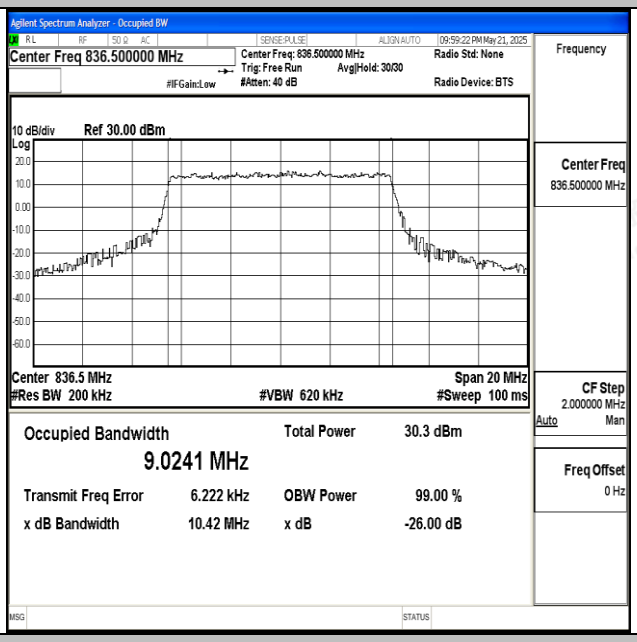
Band5-10MHz-QPSK-20450-50RB#0-PASS



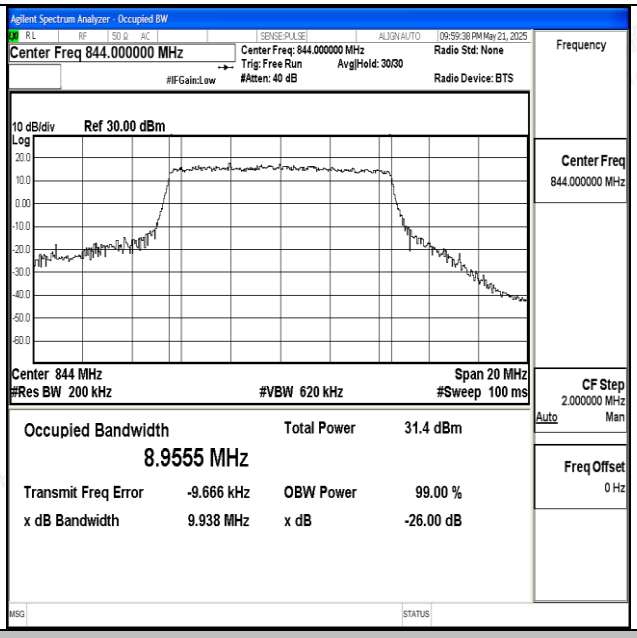
Band5-10MHz-16QAM-20450-50RB#0-PASS



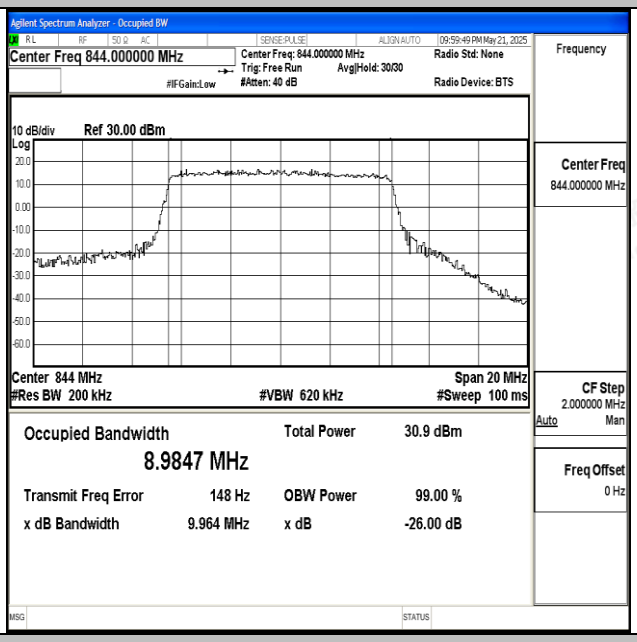
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



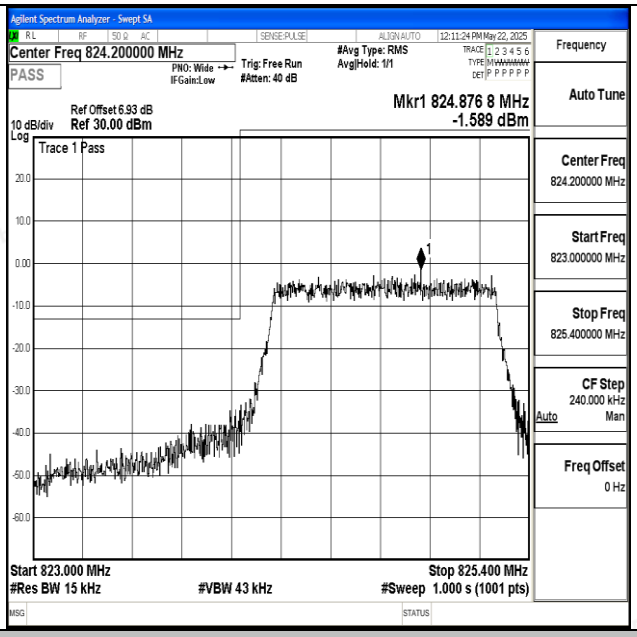
Band5-10MHz-16QAM-20600-50RB#0-PASS

D.4 Band Edge for LTE

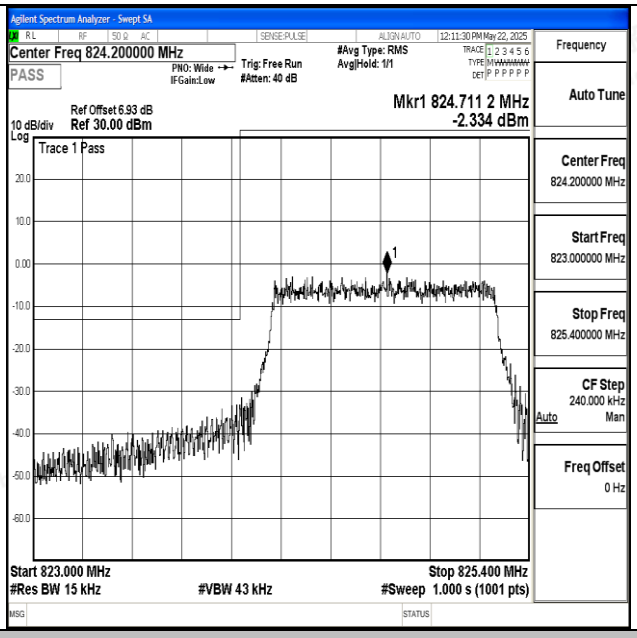
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.98	-34.47	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.99	-33.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.15	-31.99	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.02	-31.97	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.98	-29.09	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-29.36	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.04	-26.80	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-27.70	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.97	-27.47	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.98	-29.68	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.05	-26.98	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.03	-25.30	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.97	-31.74	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.92	-31.74	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.08	-28.10	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.07	-28.29	PASS

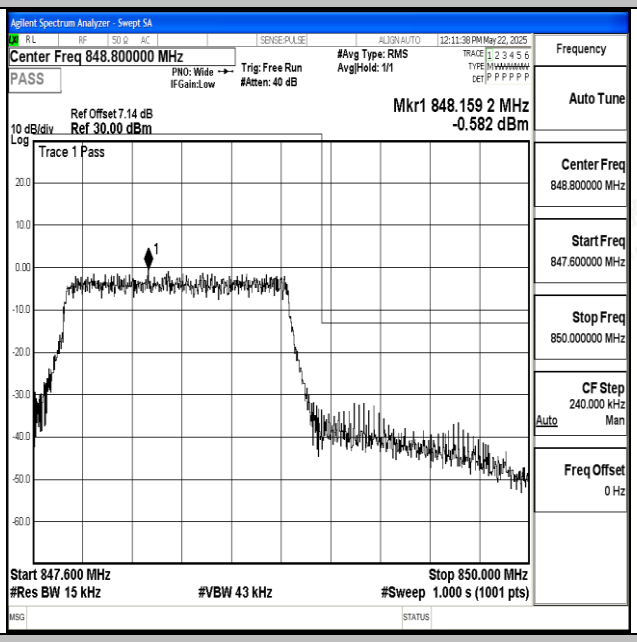
Test Graphs



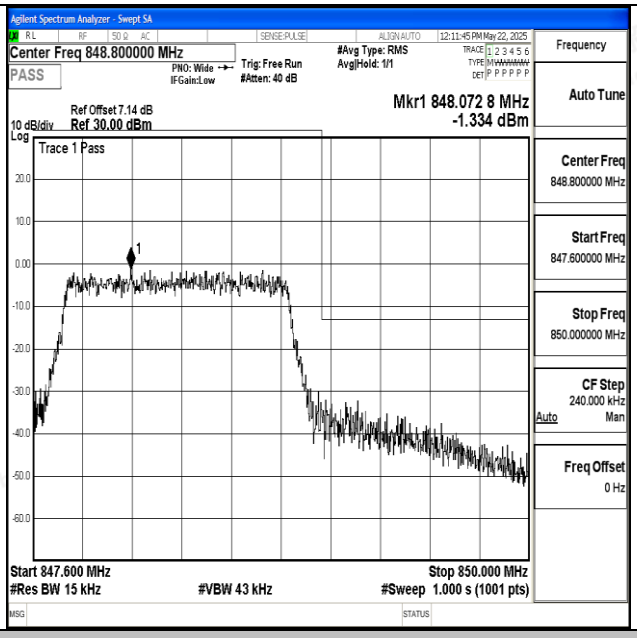
Band5_1.4MHz_QPSK_20407_6RB#0



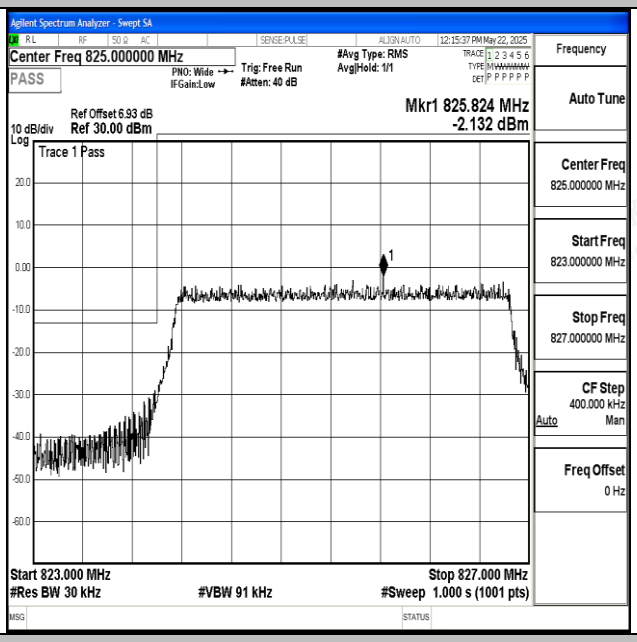
Band5_1.4MHz_16QAM_20407_6RB#0



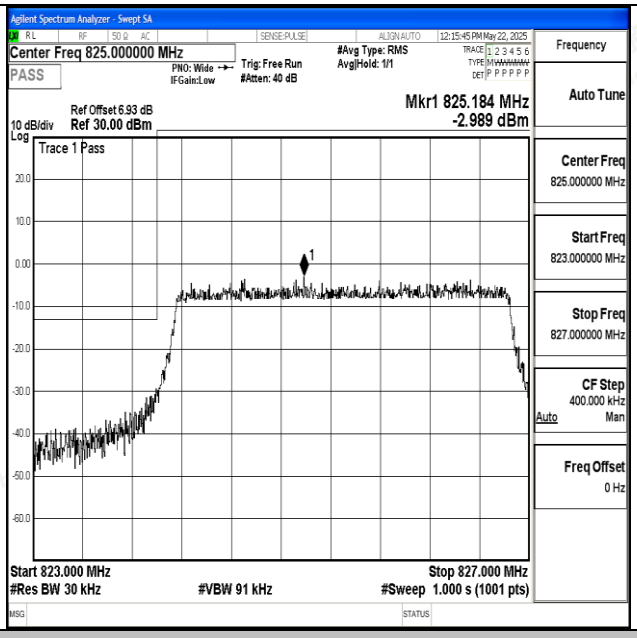
Band5_1.4MHz_QPSK_20643_6RB#0



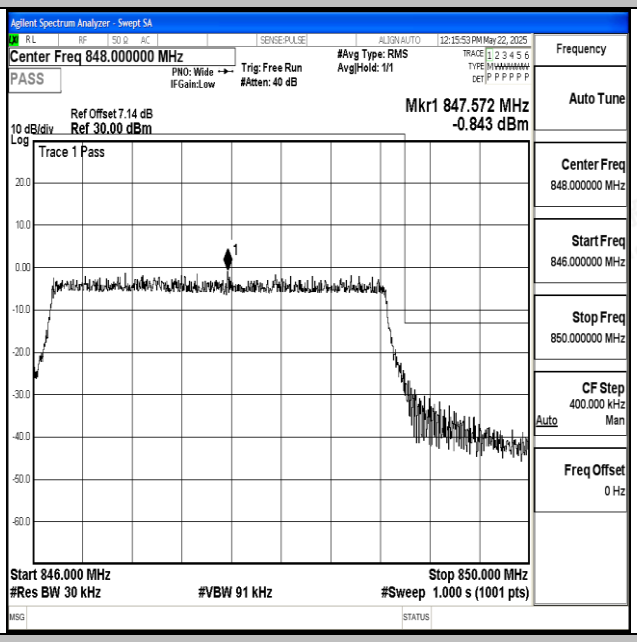
Band5_1.4MHz_16QAM_20643_6RB#0



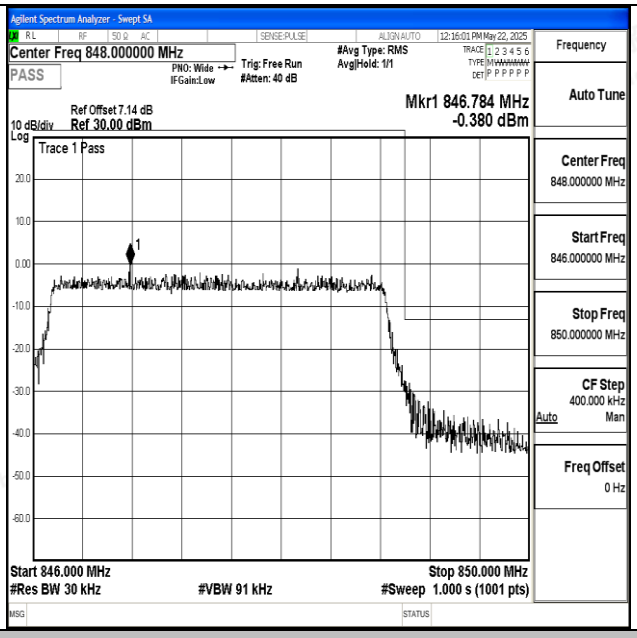
Band5_3MHz_QPSK_20415_15RB#0



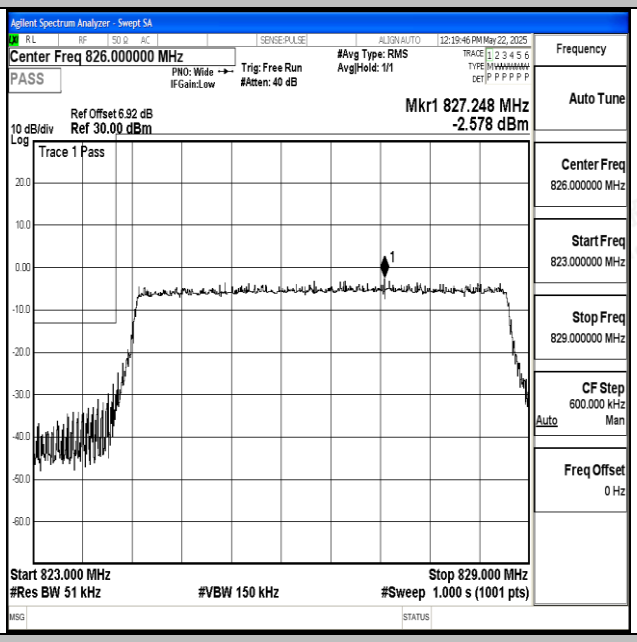
Band5_3MHz_16QAM_20415_15RB#0



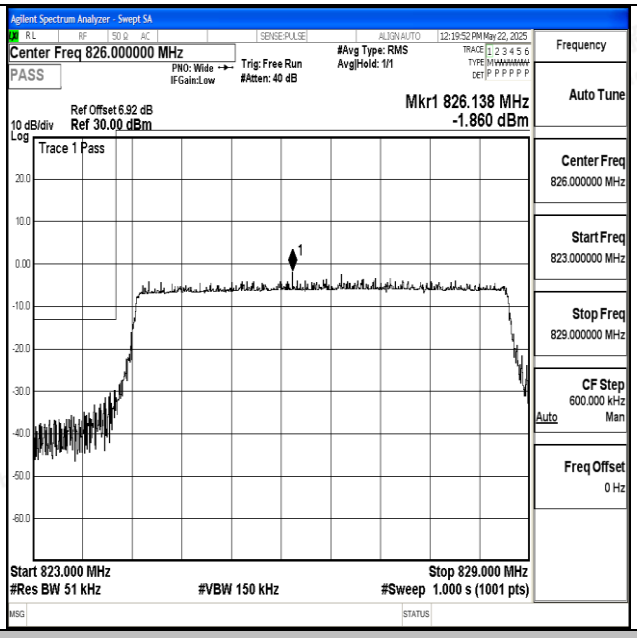
Band5_3MHz_QPSK_20635_15RB#0



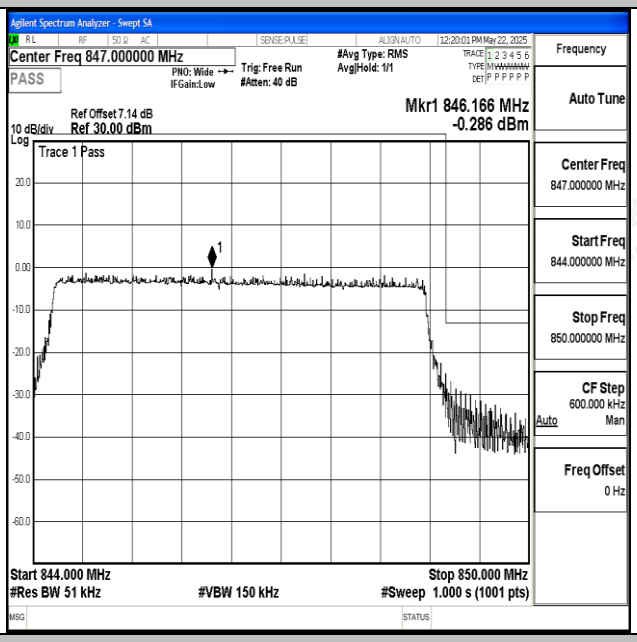
Band5_3MHz_16QAM_20635_15RB#0



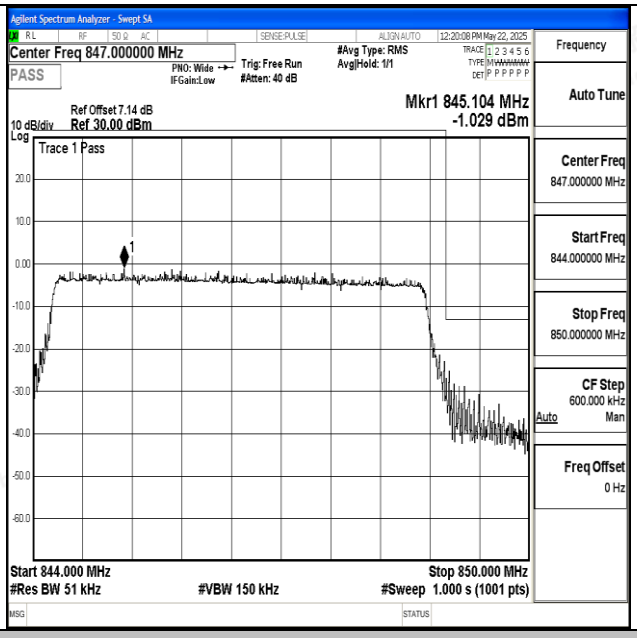
Band5_5MHz_QPSK_20425_25RB#0



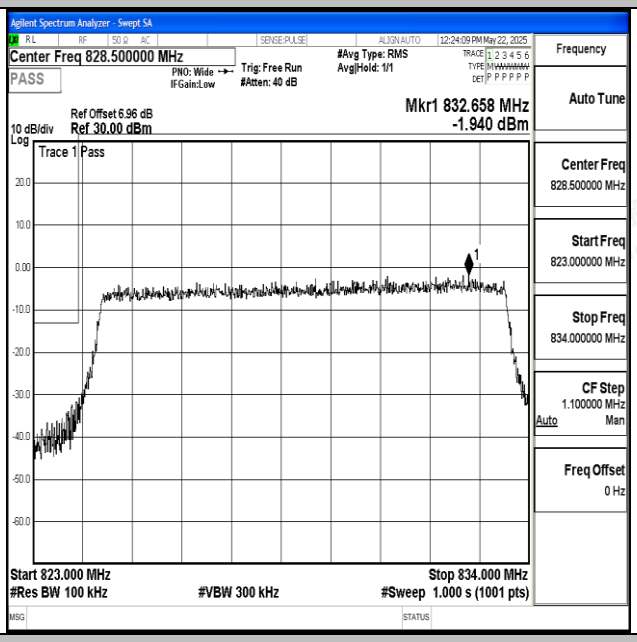
Band5_5MHz_16QAM_20425_25RB#0



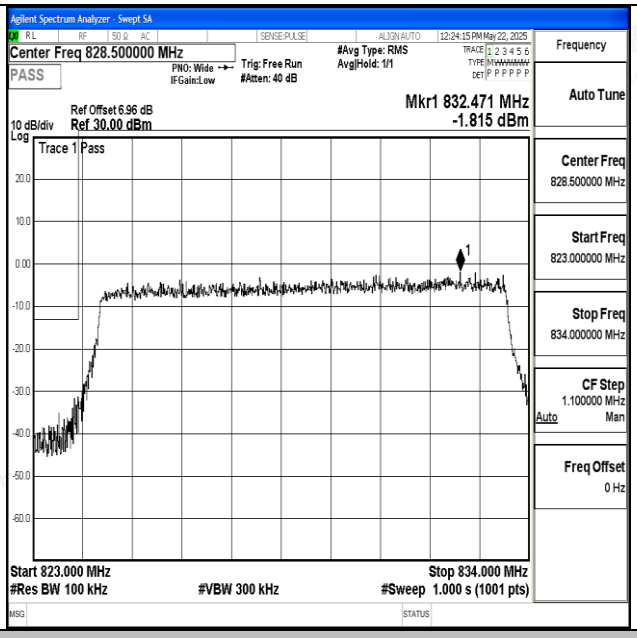
Band5_5MHz_QPSK_20625_25RB#0



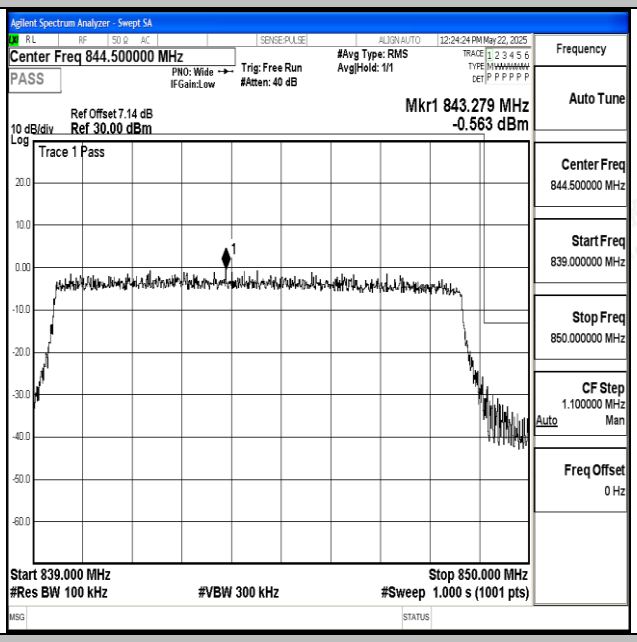
Band5_5MHz_16QAM_20625_25RB#0



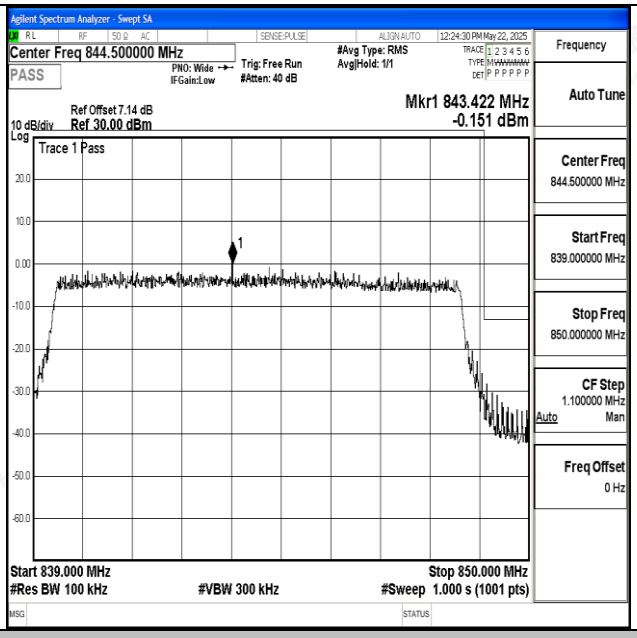
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

D.5 Conducted Spurious Emission for LTE

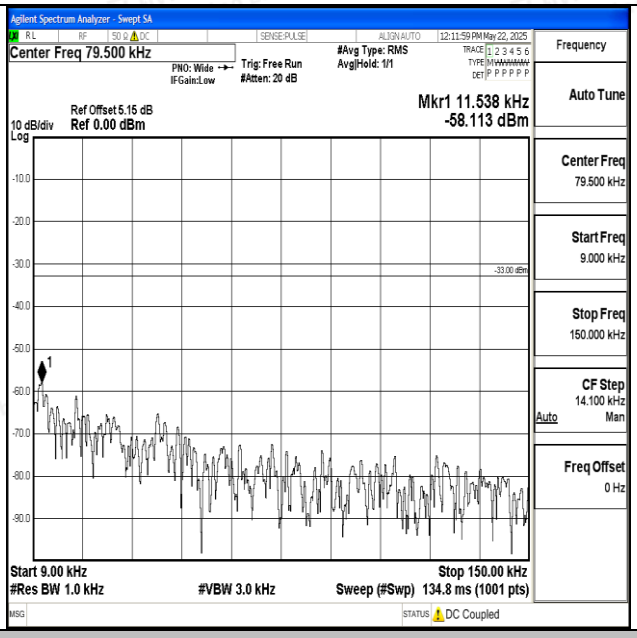
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-58.11	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-48.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-41.52	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-38.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-35.46	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-58.18	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-45.86	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-41.50	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-38.79	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-35.35	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-55.36	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-48.86	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-43.51	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-39.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-35.00	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-56.96	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-45.05	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-37.30	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-39.14	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-34.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-57.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-45.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-37.90	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-38.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-34.77	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-56.92	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-45.10	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-36.43	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-38.18	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-35.23	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-59.23	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-48.39	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-46.46	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-38.48	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-34.87	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-53.98	PASS

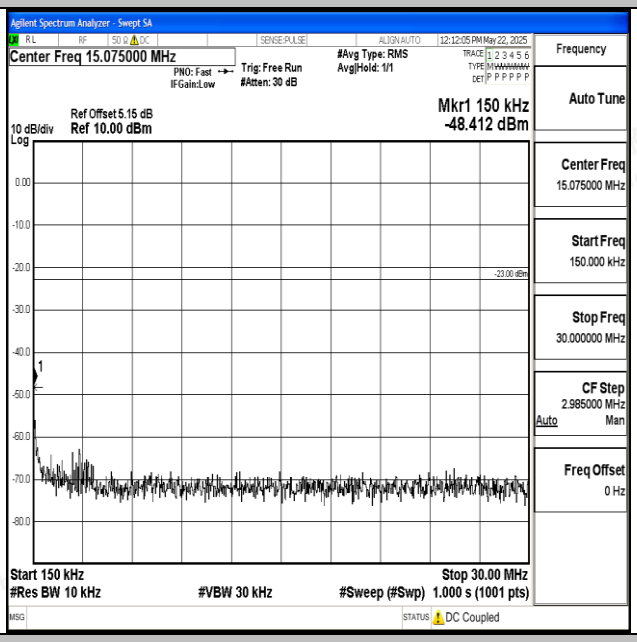
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-44.47	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-43.65	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-37.80	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-35.02	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-57.59	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-43.94	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-46.83	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-38.32	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-35.33	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-60.06	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-46.23	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-44.23	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-38.66	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-34.55	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-57.15	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-46.71	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-45.53	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-39.53	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-35.36	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-60.15	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-45.99	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-43.36	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-39.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-35.40	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-58.64	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-47.34	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-52.78	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-38.51	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-35.36	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-56.47	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-46.73	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-53.07	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-39.01	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-35.57	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-55.36	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-48.53	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-52.68	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-38.81	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-34.60	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-56.50	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-49.32	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-52.89	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-38.80	PASS

Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-34.64	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-57.56	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-42.85	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-52.75	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-38.47	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-34.79	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-56.95	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-43.54	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-52.99	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-39.38	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-34.65	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-55.72	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-47.51	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-52.84	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-38.92	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-34.32	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-51.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-45.61	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-53.06	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-38.91	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-35.23	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-58.63	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-45.06	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-52.43	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-38.48	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-34.99	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-58.57	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-49.22	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-52.72	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-39.08	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-35.02	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-56.68	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-47.76	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-52.94	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-38.96	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-34.98	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-61.12	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-46.58	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-52.58	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-38.98	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-34.53	PASS

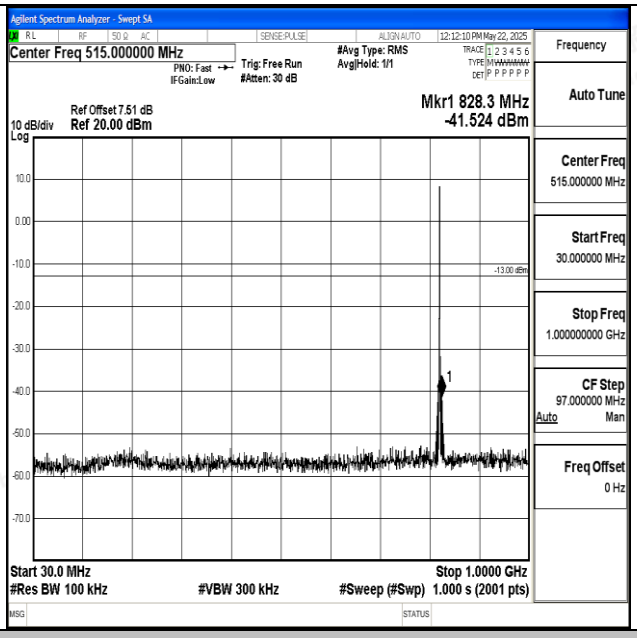
Test Graphs



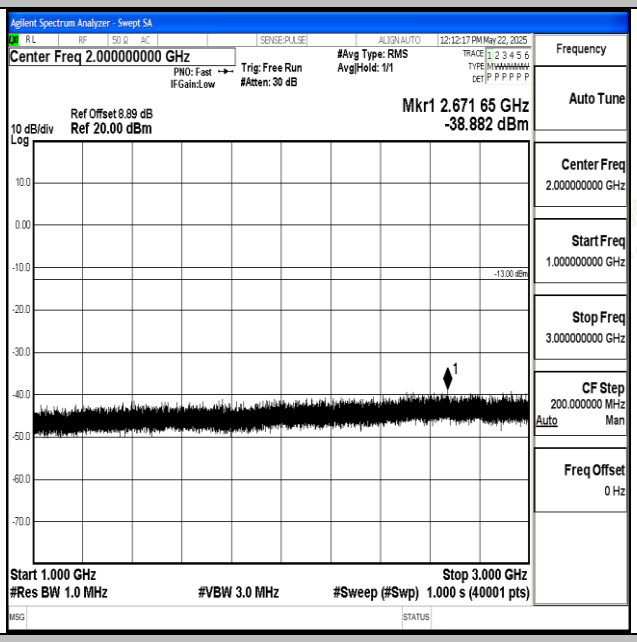
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



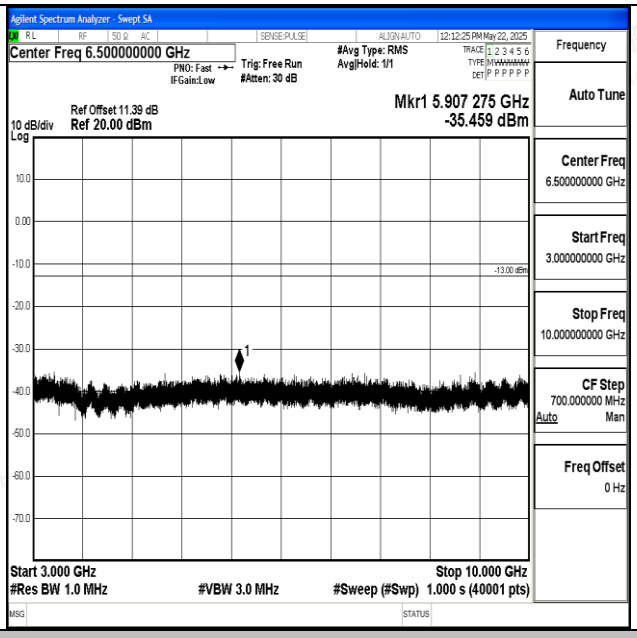
Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30



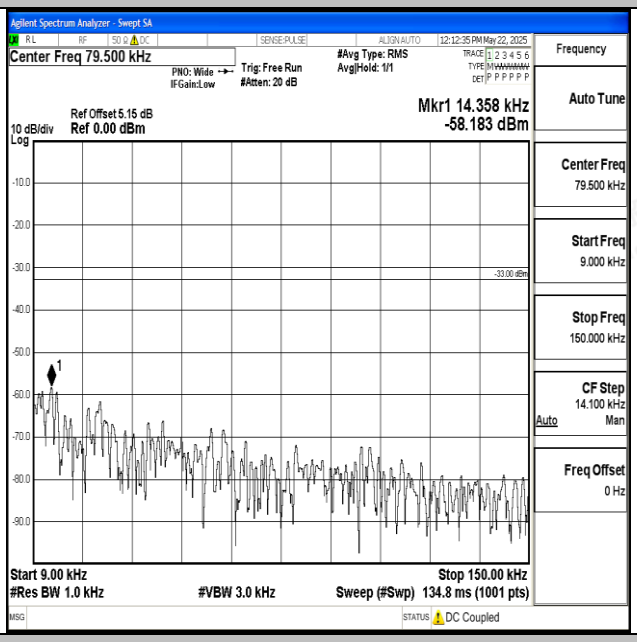
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000



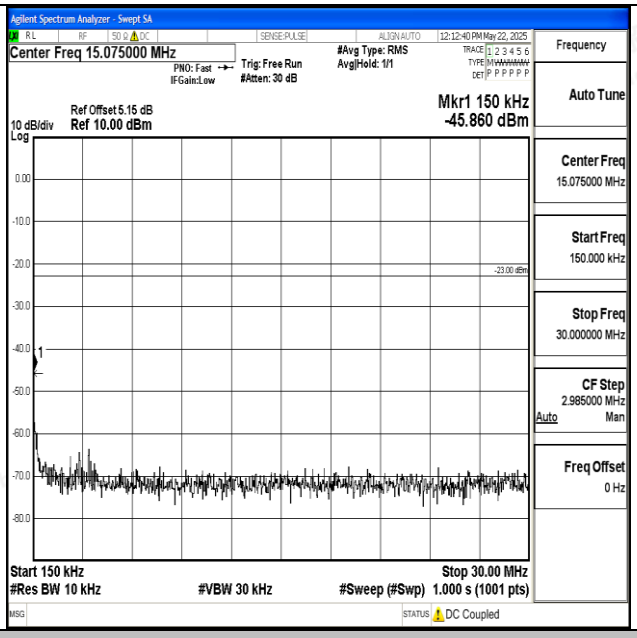
Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000



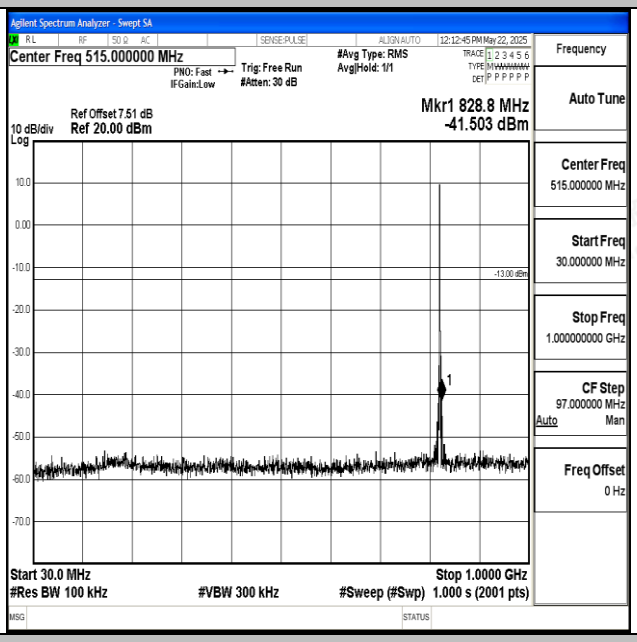
Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



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