Appendix C: Test Data for E-UTRA Band 5

Product Name: Pet GPS Tracker & Health Monitor

Test Model: C09

Environmental Conditions

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

C.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.90	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.12	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.98	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.08	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.32	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.58	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.21	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.58	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.16	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.53	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.18	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.78	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.17	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.93	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.00	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.19	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.02	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.35	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.51	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.34	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.63	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.29	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.55	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.44	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.01	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.80	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.53	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.47	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.70	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.59	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.75	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	22.40	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.79	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.06	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.22	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.82	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.19	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.71	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.96	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.31	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.89	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.31	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.69	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.07	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.21	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.71	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.04	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.71	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.02	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.66	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.04	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.47	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.76	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.67	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.93	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.68	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.19	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.62	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.05	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.94	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.07	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.95	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.18	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.84	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.08	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.36	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.76	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.01	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.66	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.78	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.72	PASS

Band5	3MHz	16QAM	20635	1RB#14	21.54	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.20	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.71	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.95	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.58	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.82	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.53	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.97	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.50	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.98	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.74	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.92	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.73	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.06	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.90	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.10	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.51	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.13	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.51	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.13	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.46	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.02	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.54	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.73	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.79	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.73	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.83	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.78	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.85	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.13	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.53	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.99	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.56	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.20	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.56	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.14	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.36	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.93	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.32	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.83	PASS

Band5	5MHz	16QAM	20625	1RB#12	22.22	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.27	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.89	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.23	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.71	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.17	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.75	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.04	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.57	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.14	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.70	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.94	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.50	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.92	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.87	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.41	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.08	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.49	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.07	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.49	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.06	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.41	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.05	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.49	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.90	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.01	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.57	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.01	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.56	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.04	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.62	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.06	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.63	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.19	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.70	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.14	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.53	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.02	PASS

Band5	10MHz	16QAM	20600	1RB#0	23.09	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.95	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.93	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.48	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.07	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.16	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.74	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.09	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.76	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.09	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.73	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.16	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.59	PASS

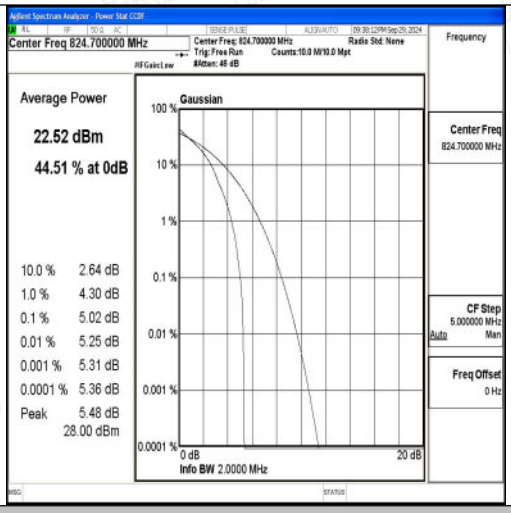
C.2 Peak-to-Average Ratio(CCDF)

Test Result

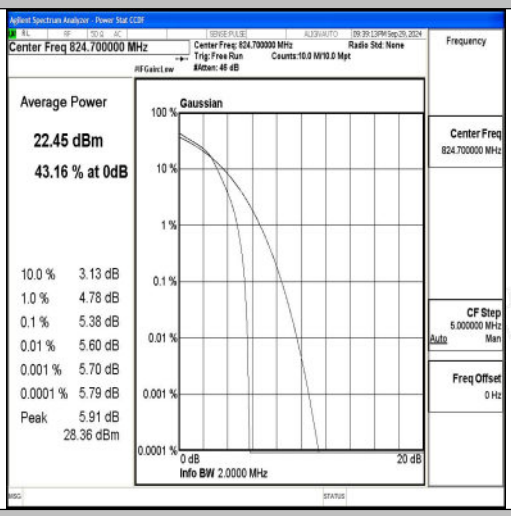
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.02	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.74	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.36	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.93	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.29	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.60	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.26	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.74	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.04	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.40	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.06	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.06	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.69	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.80	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.49	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.81	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.42	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.63	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.27	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.75	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.74	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.70	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.36	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.10	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.78	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.38	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.94	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.65	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.31	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.04	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.49	13	PASS

Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.89	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.20	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.69	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.36	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.86	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.67	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.33	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.78	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.95	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.01	13	PASS

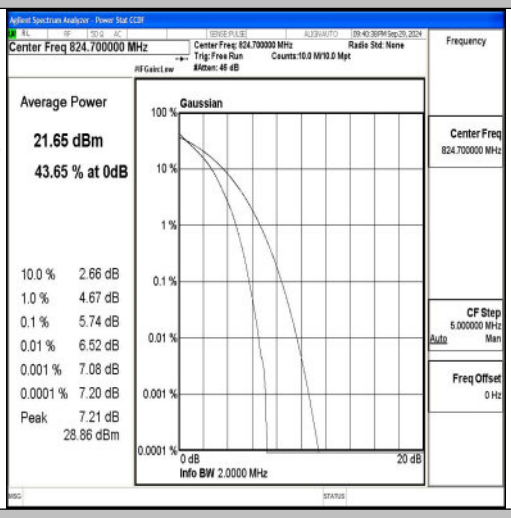
Test Graphs



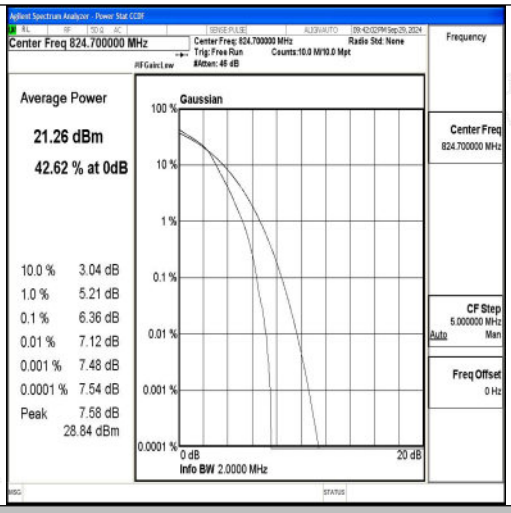
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



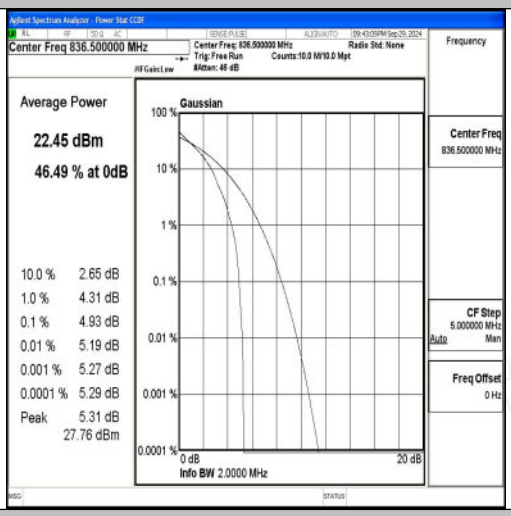
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



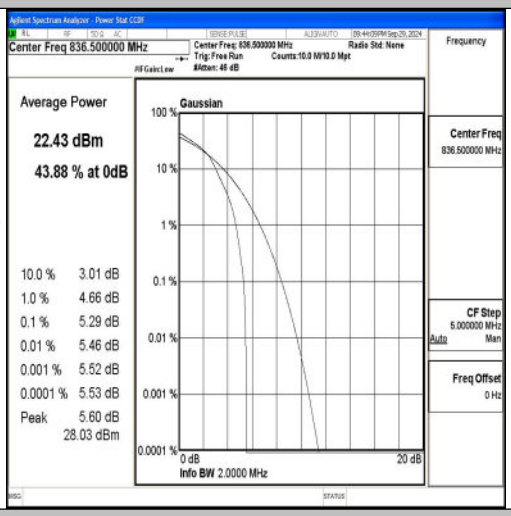
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



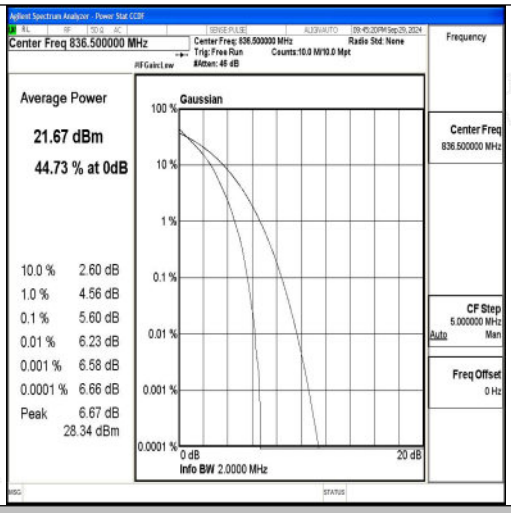
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



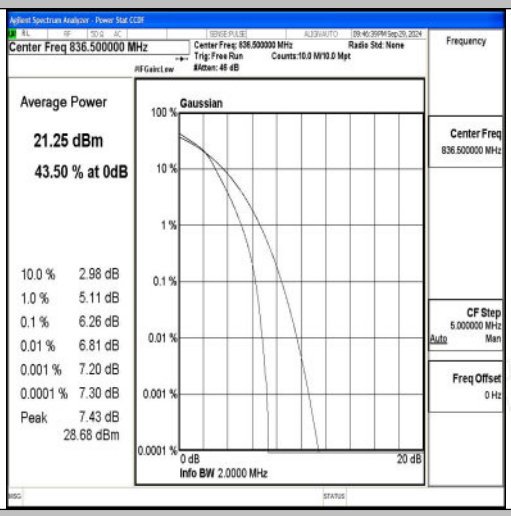
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



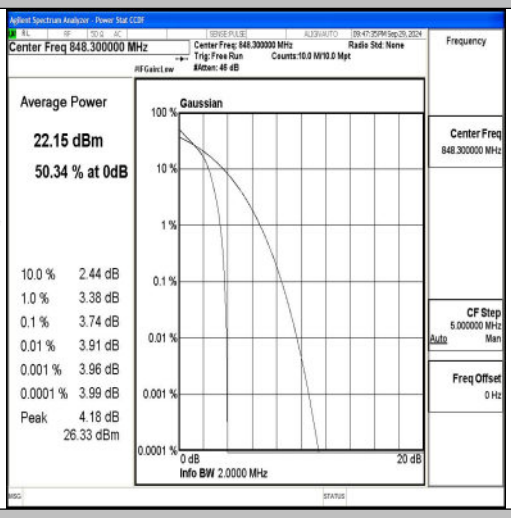
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



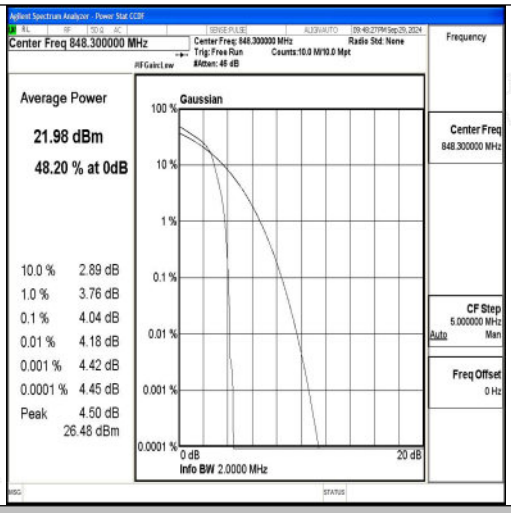
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



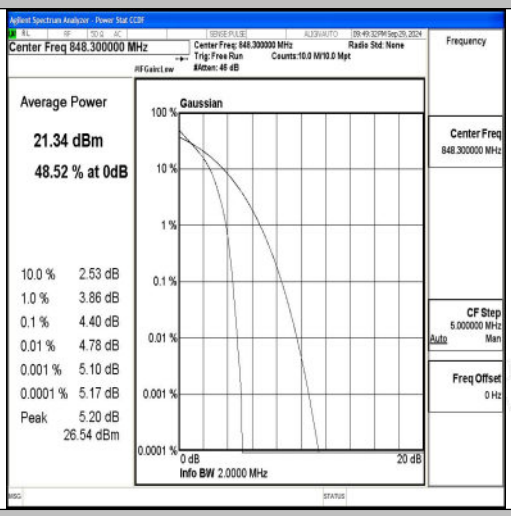
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



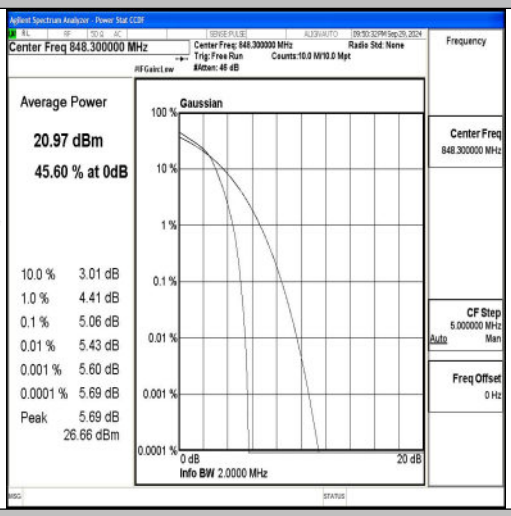
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



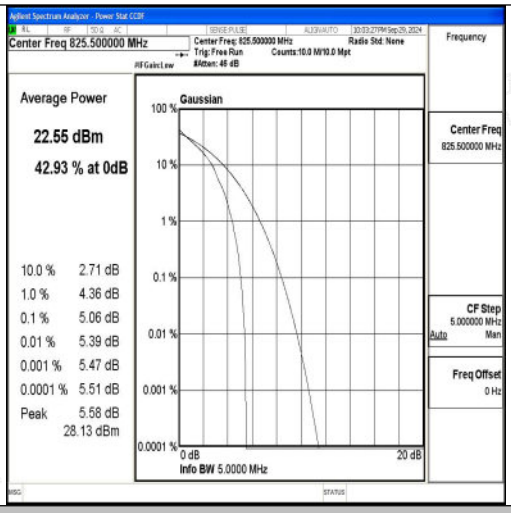
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



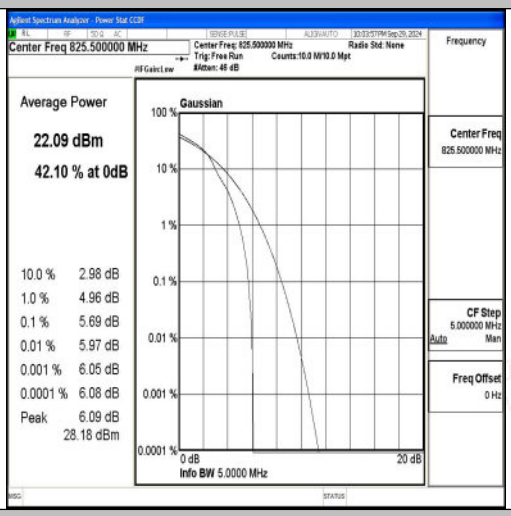
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



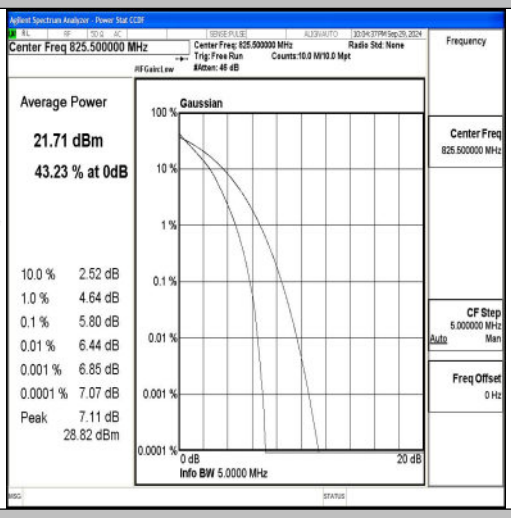
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



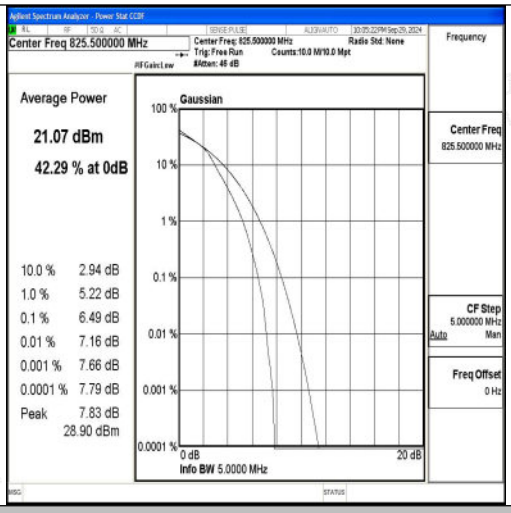
Band5-3MHz-QPSK-20415-1RB#0-PASS



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



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



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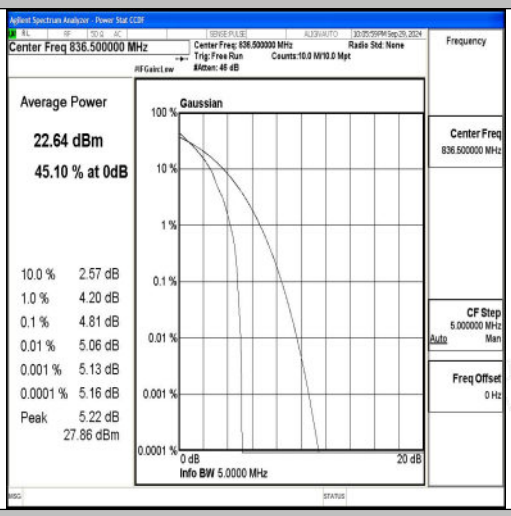

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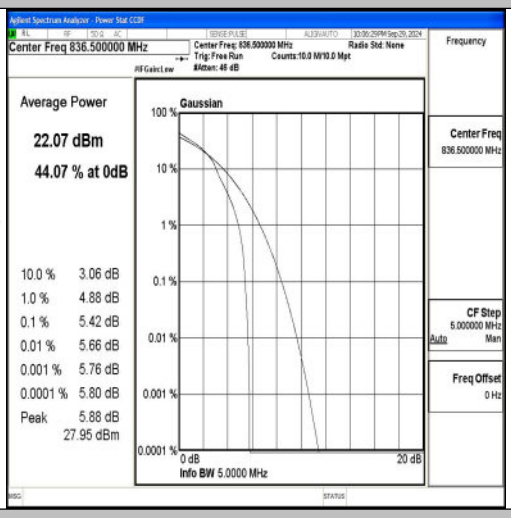

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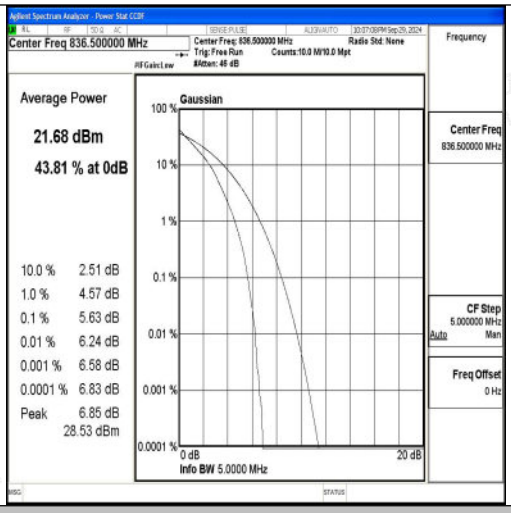

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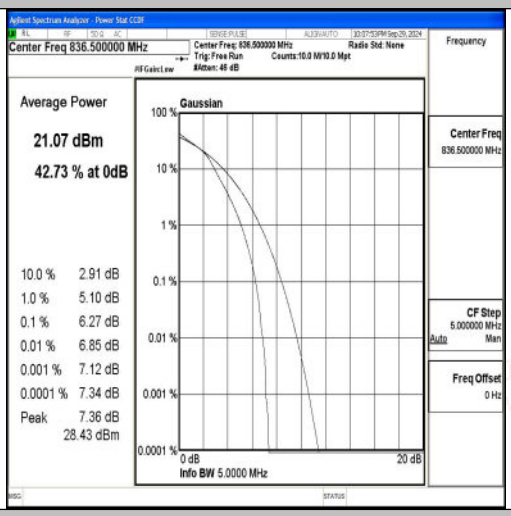

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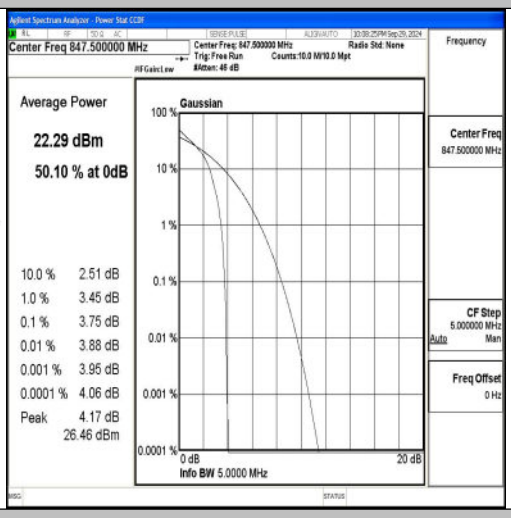
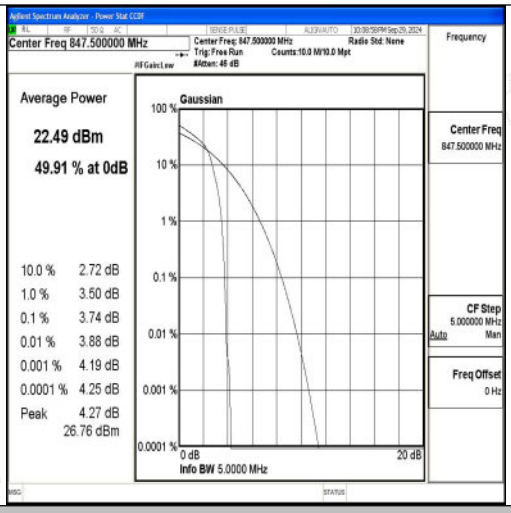


Band5-3MHz-QPSK-20635-1RB#0-PASS



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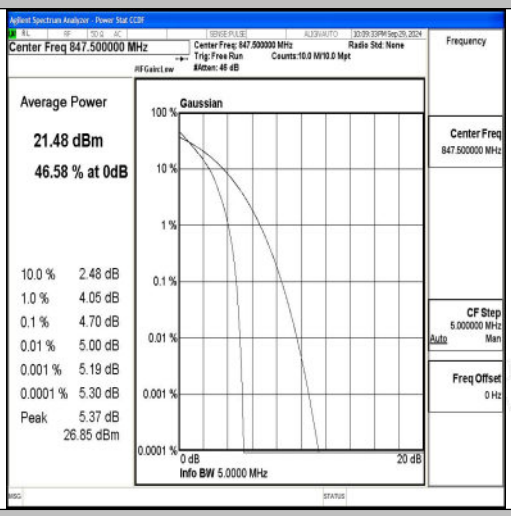

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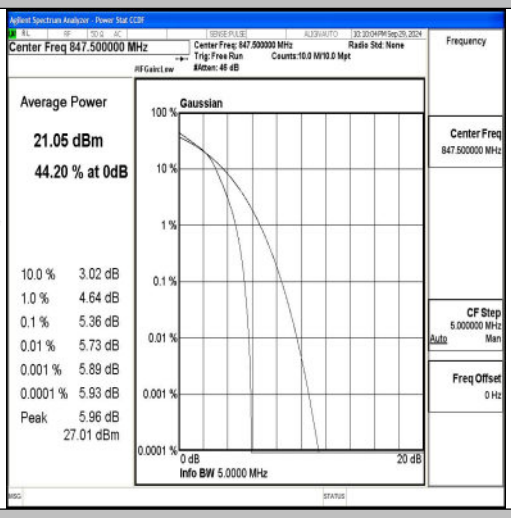

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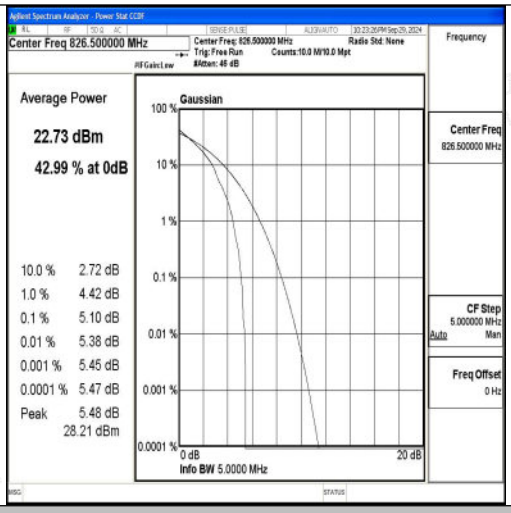

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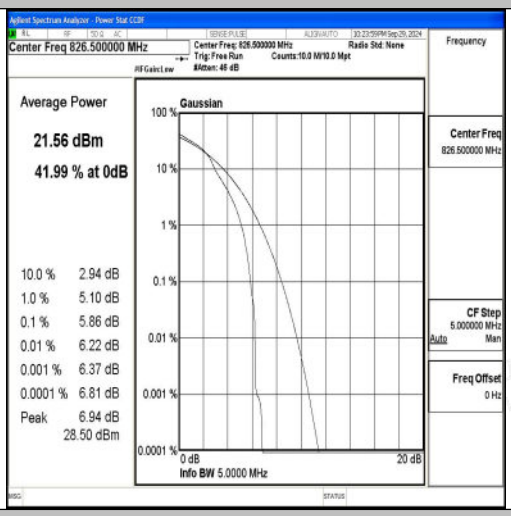

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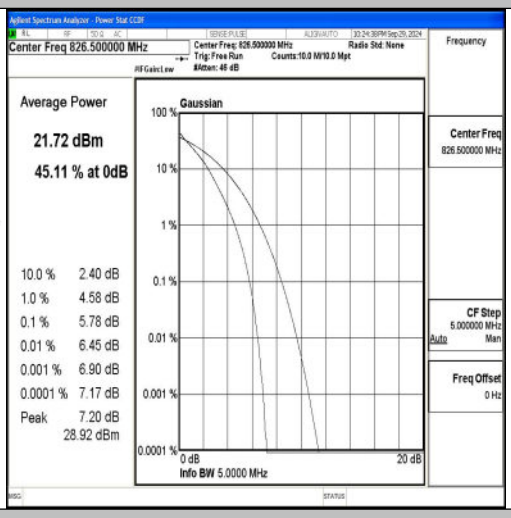

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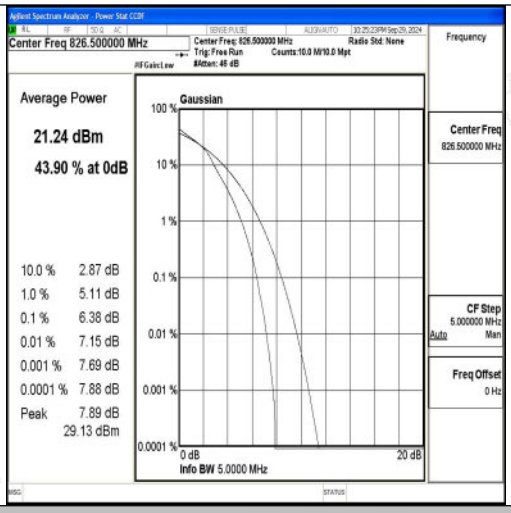

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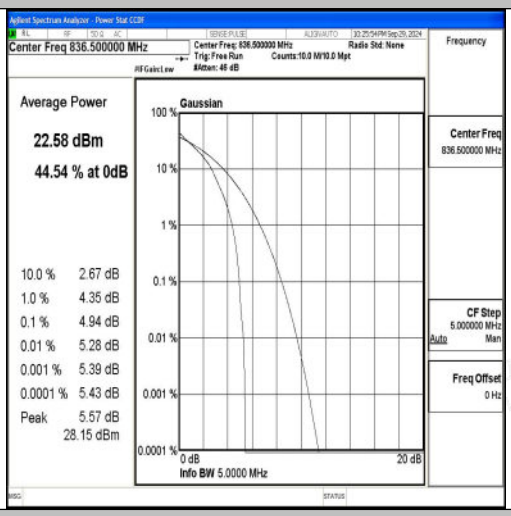

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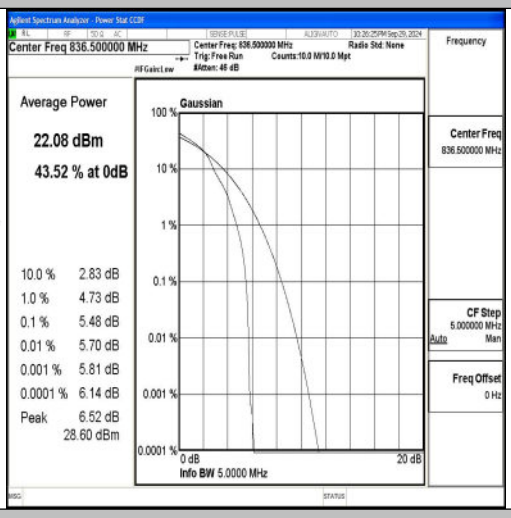

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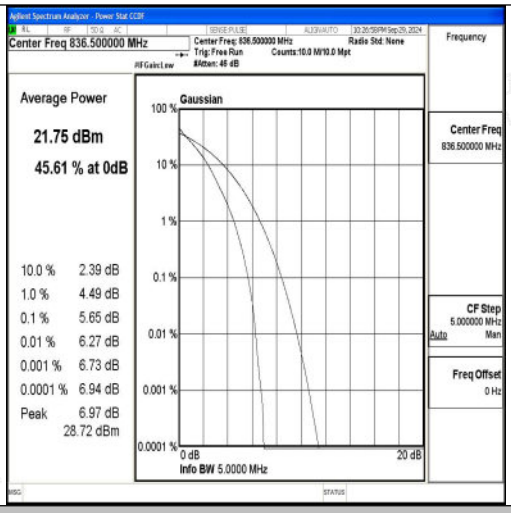

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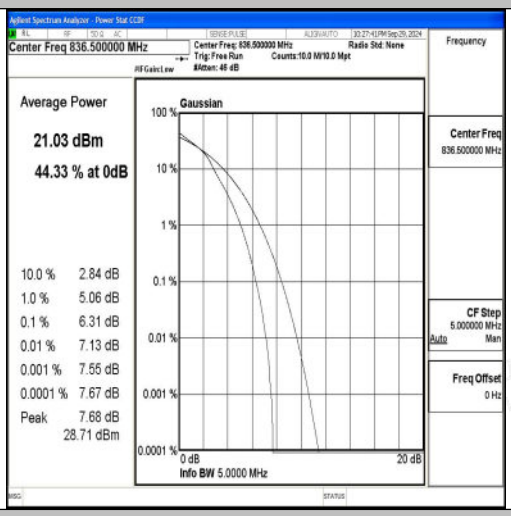

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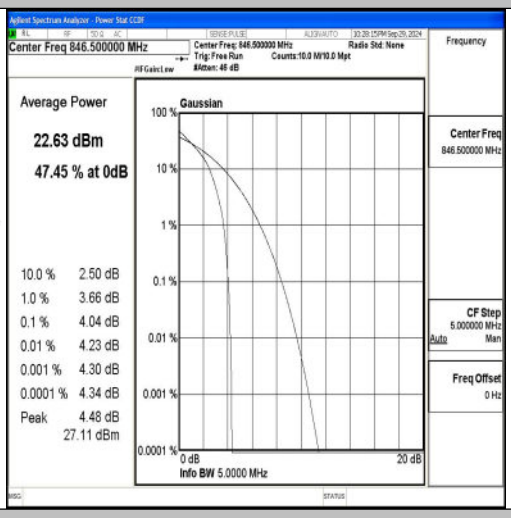

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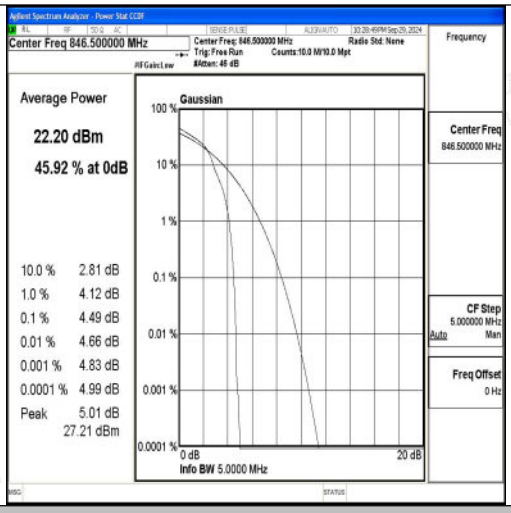

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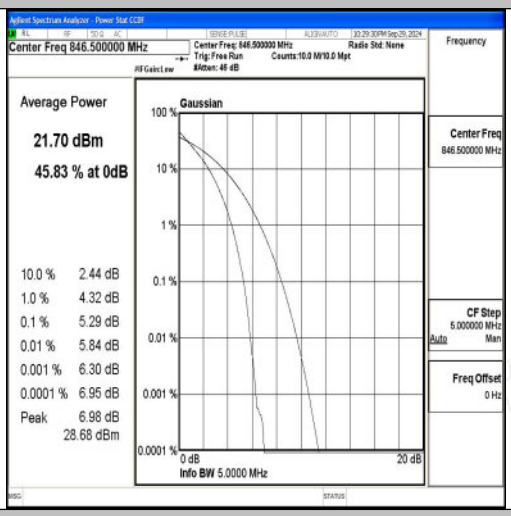

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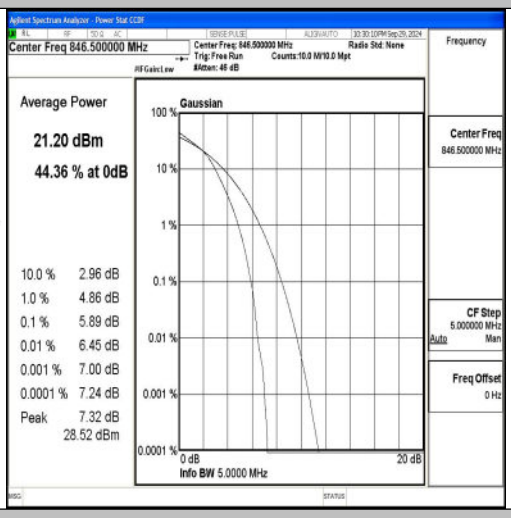

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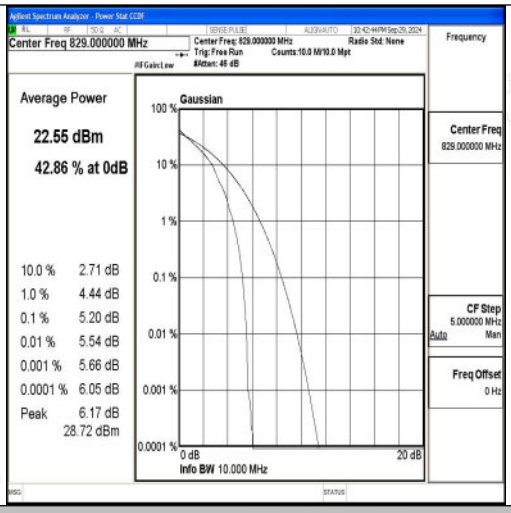
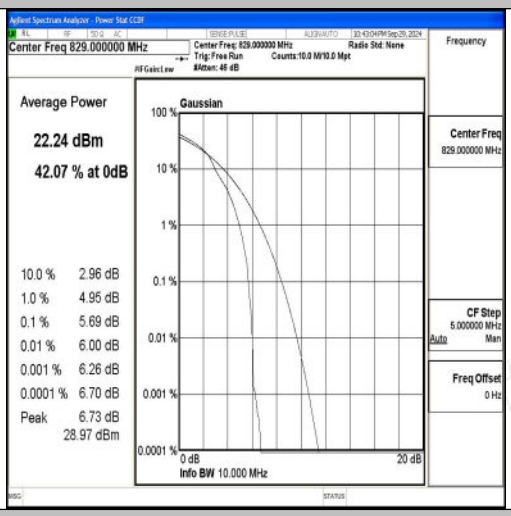
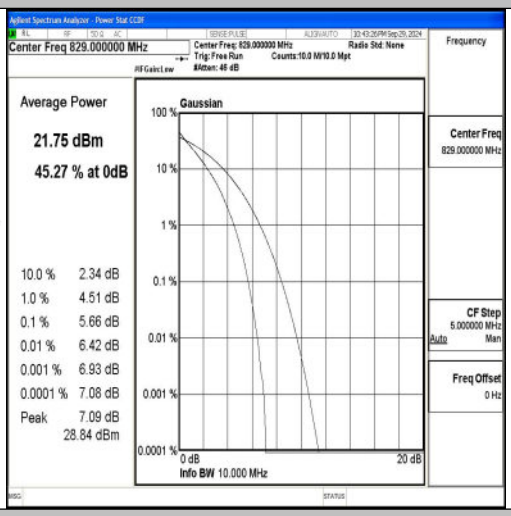


Band5-10MHz-QPSK-20450-1RB#0-PASS



Band5-10MHz-16QAM-20450-1RB#0-PASS



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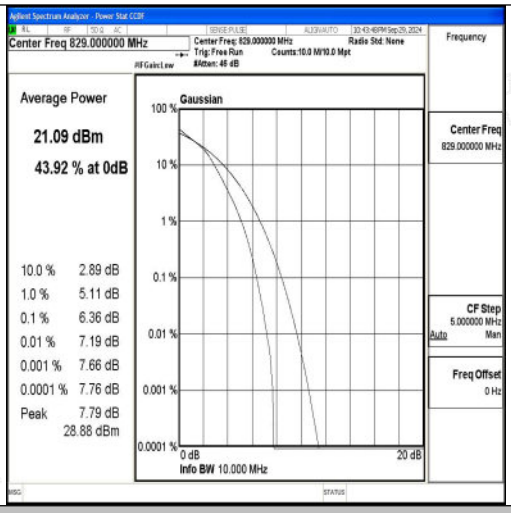

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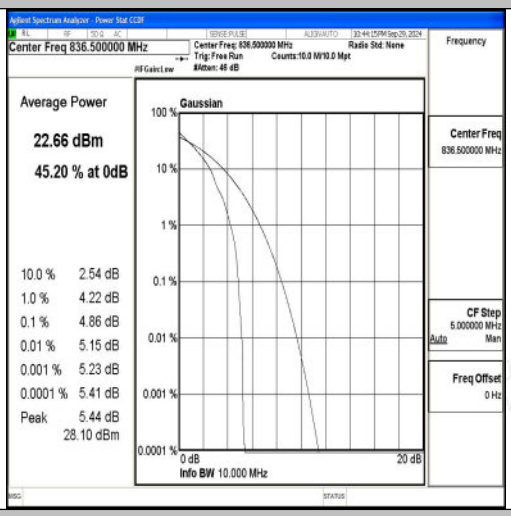

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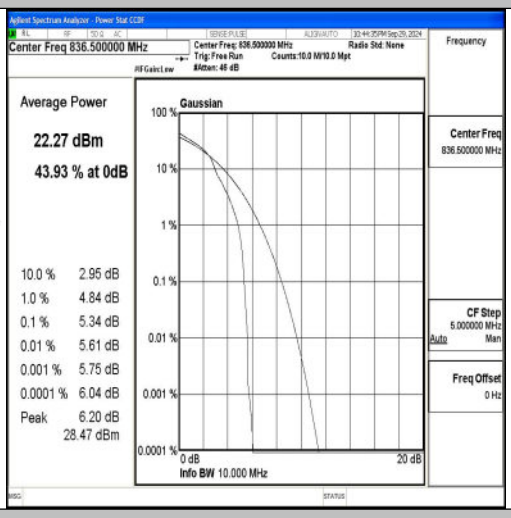

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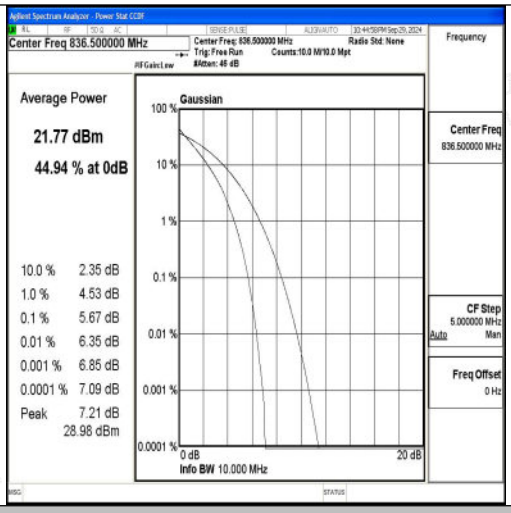

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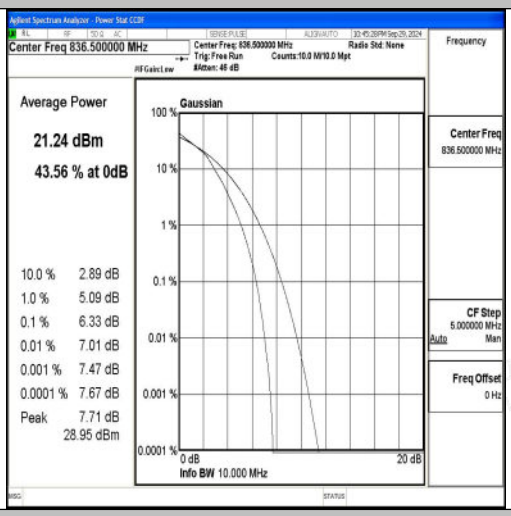

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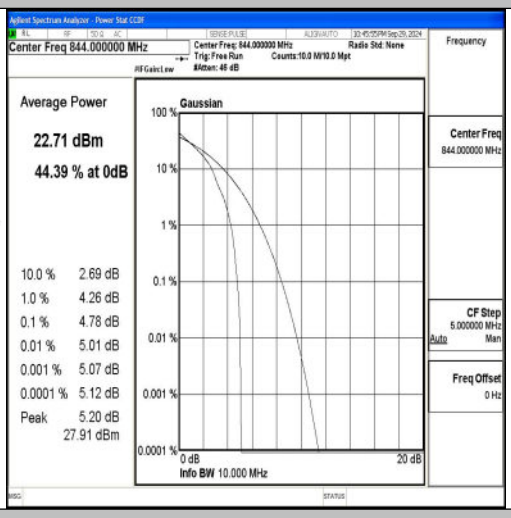
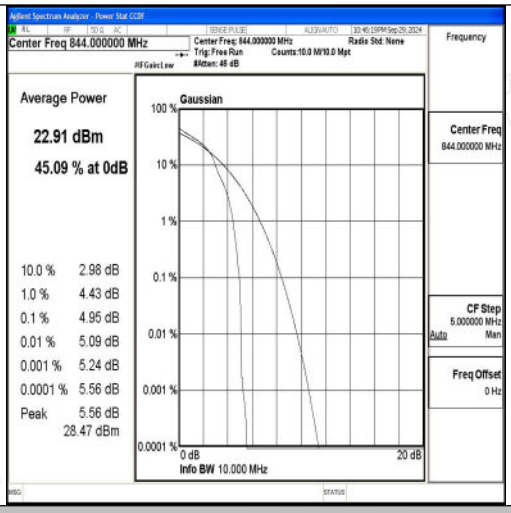


Band5-10MHz-QPSK-20600-1RB#0-PASS



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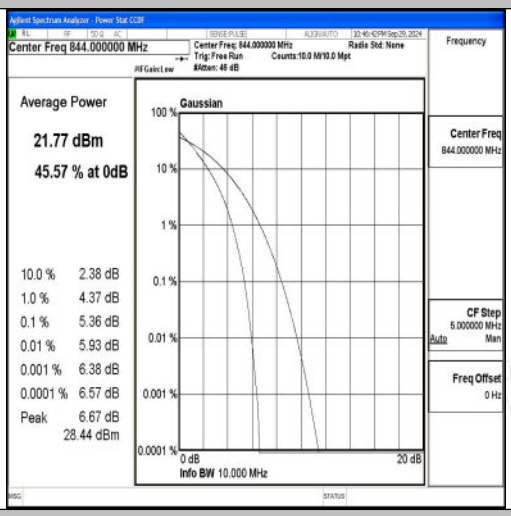

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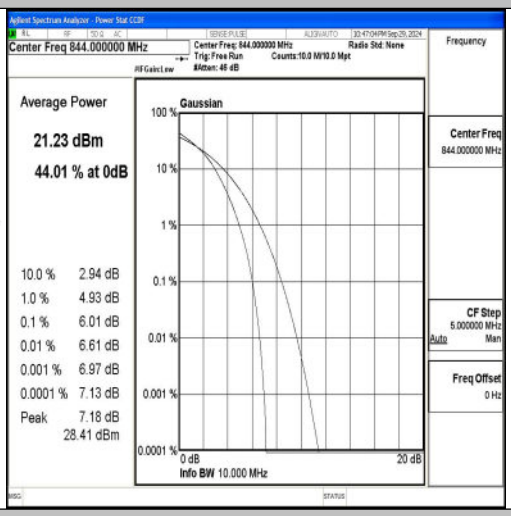


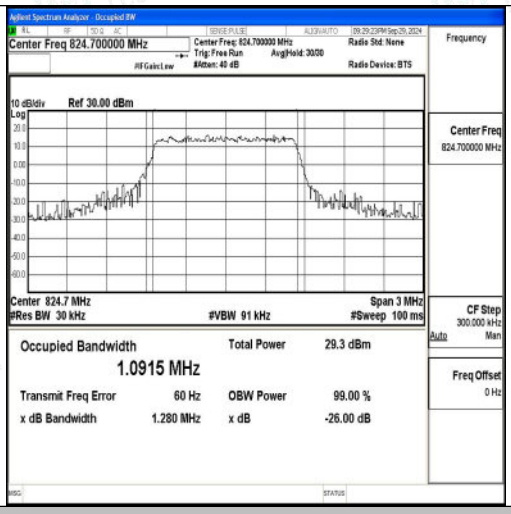
Band5-10MHz-16QAM-20600-50RB#0-PASS

C.3 26dB Bandwidth and Occupied Bandwidth

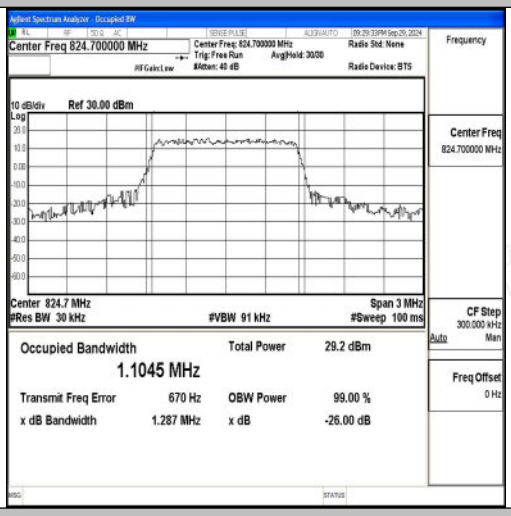
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0915	1.280	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1045	1.287	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1003	1.306	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1054	1.355	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1001	1.281	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0936	1.374	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7122	3.038	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7006	3.074	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7100	3.144	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7041	3.240	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7058	3.028	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7169	3.216	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5209	5.252	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5224	5.240	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5110	5.363	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5340	5.468	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5337	5.430	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5526	5.408	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9749	10.11	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9709	9.948	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0224	10.20	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0144	10.55	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9676	10.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9835	9.818	PASS

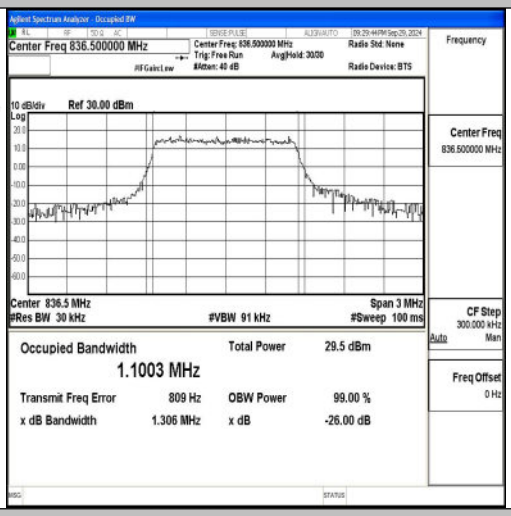
Test Graphs



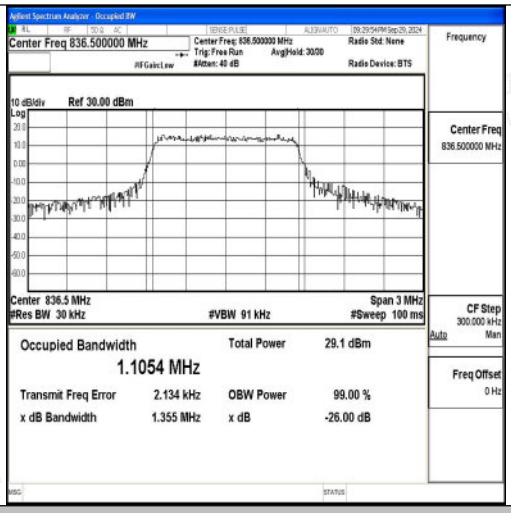
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



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



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



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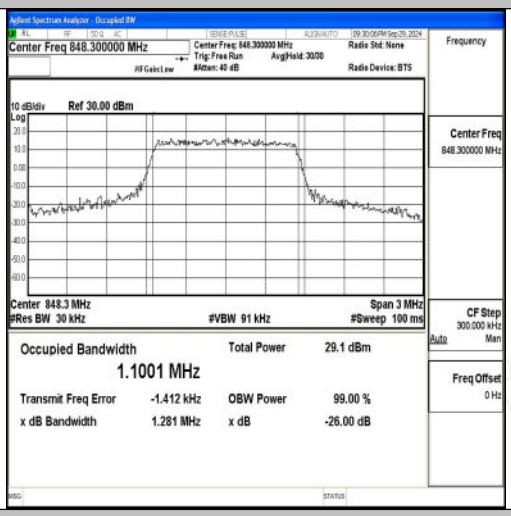
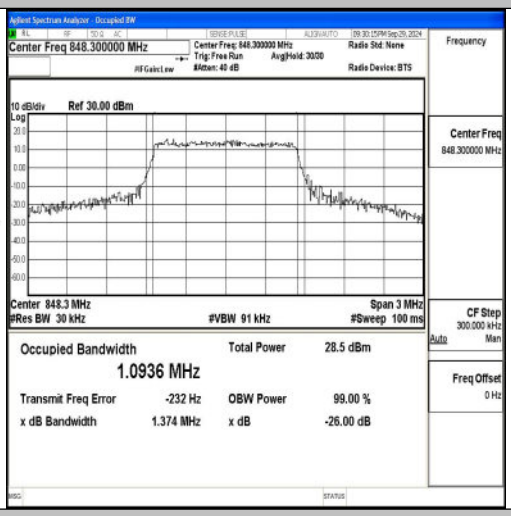
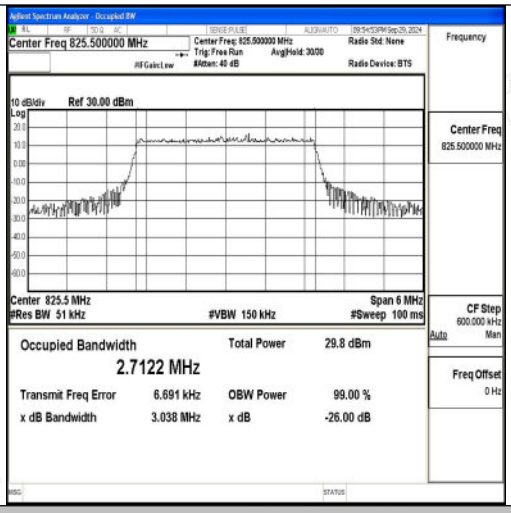


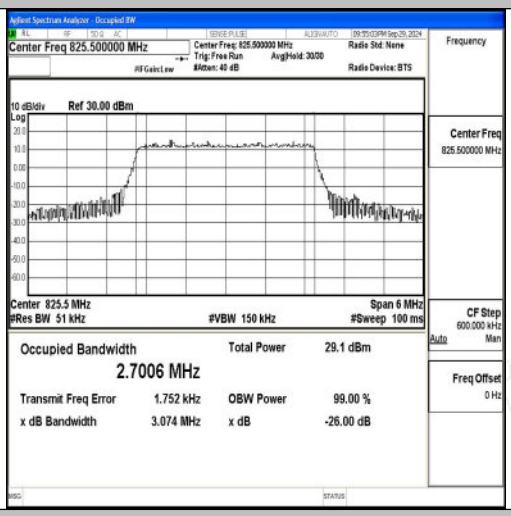
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



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



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



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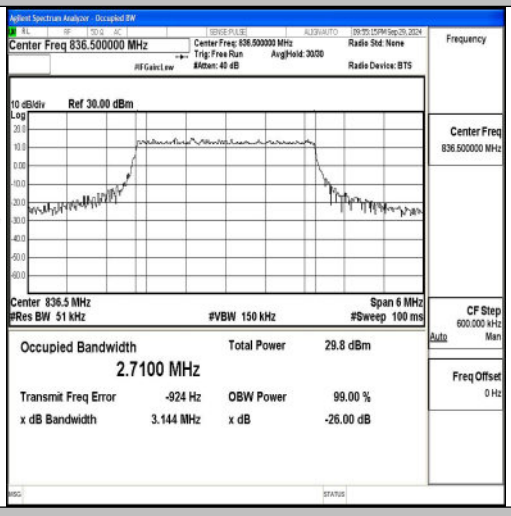

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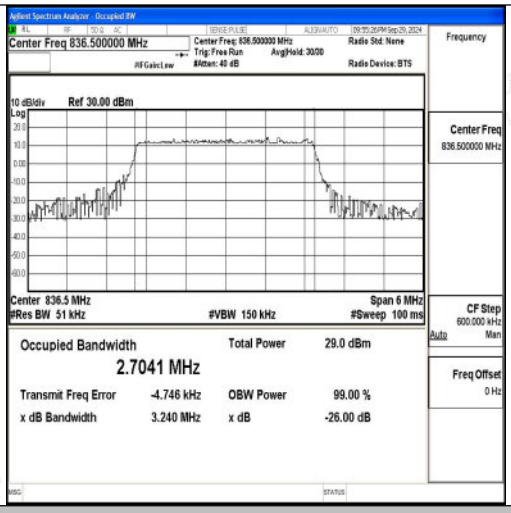
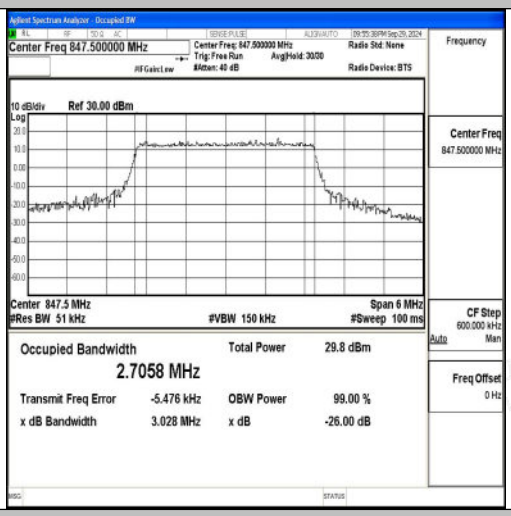
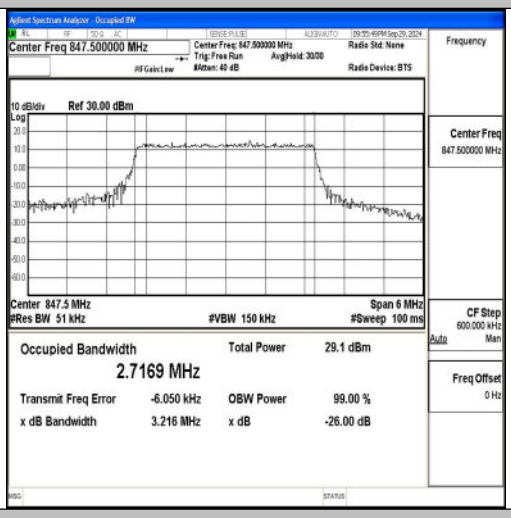


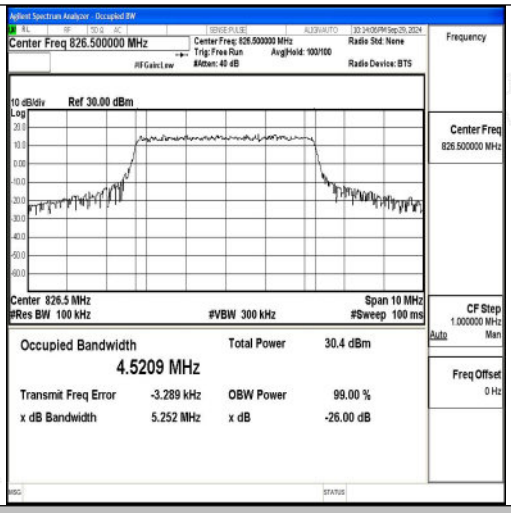
Band5-3MHz-16QAM-20525-15RB#0-PASS



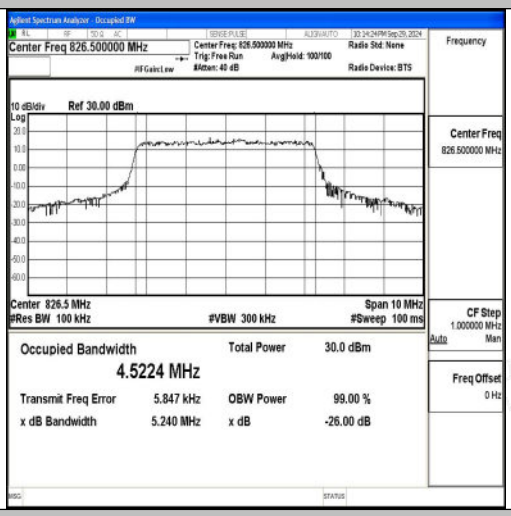
Band5-3MHz-QPSK-20635-15RB#0-PASS



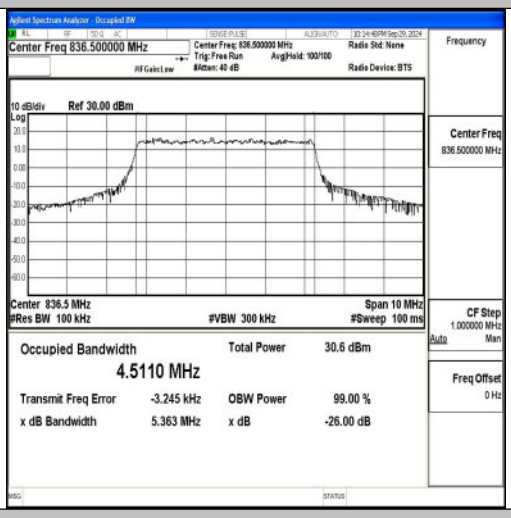
Band5-3MHz-16QAM-20635-15RB#0-PASS



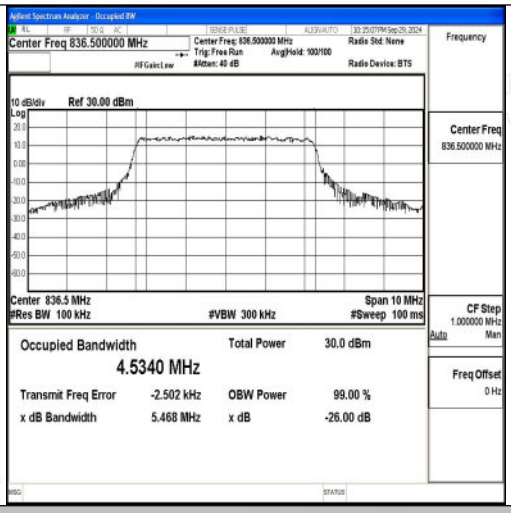
Band5-5MHz-QPSK-20425-25RB#0-PASS



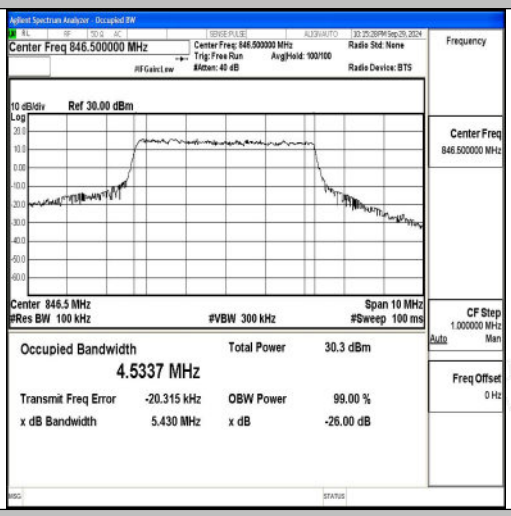
Band5-5MHz-16QAM-20425-25RB#0-PASS



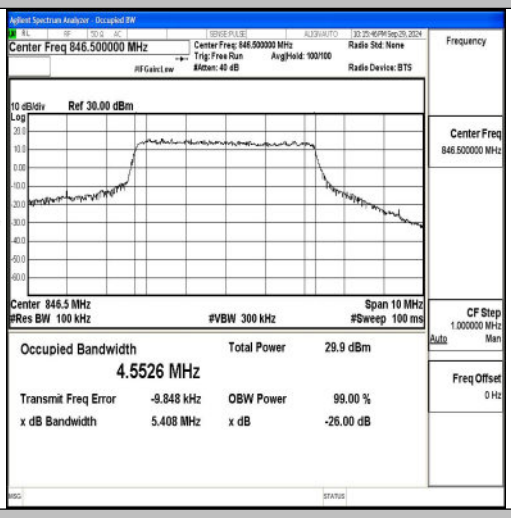
Band5-5MHz-QPSK-20525-25RB#0-PASS



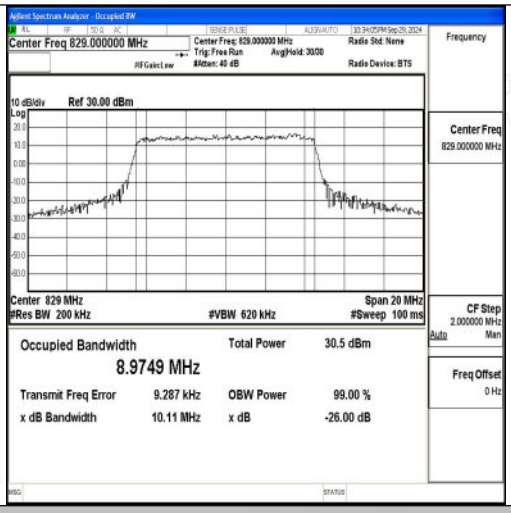
Band5-5MHz-16QAM-20525-25RB#0-PASS



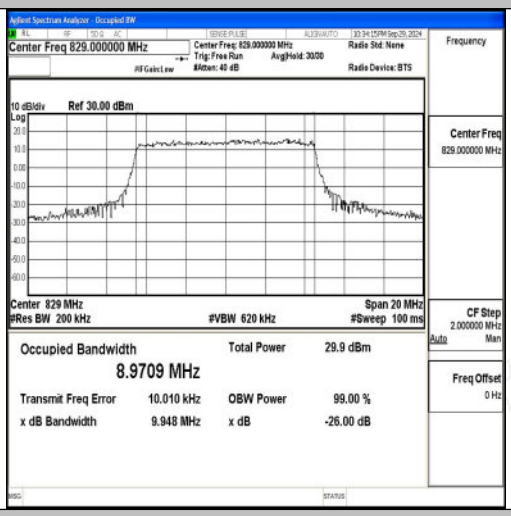
Band5-5MHz-QPSK-20625-25RB#0-PASS



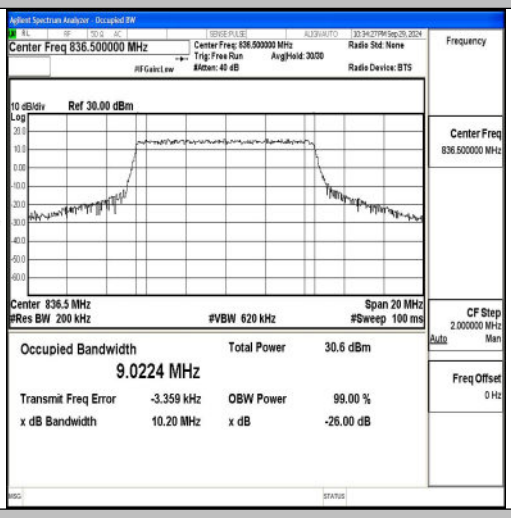
Band5-5MHz-16QAM-20625-25RB#0-PASS



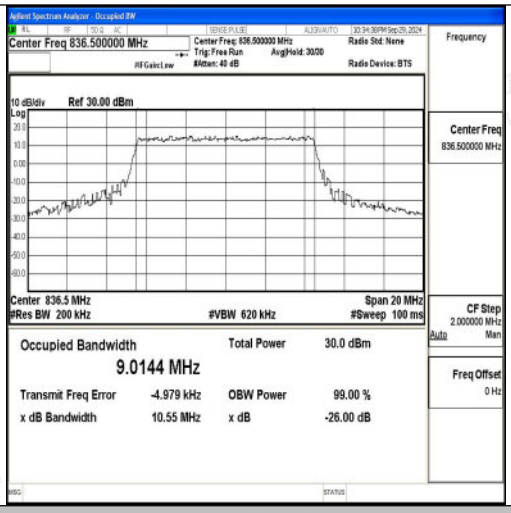
Band5-10MHz-QPSK-20450-50RB#0-PASS



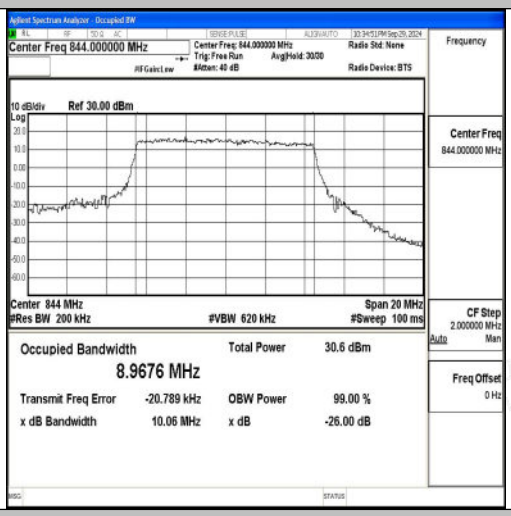
Band5-10MHz-16QAM-20450-50RB#0-PASS



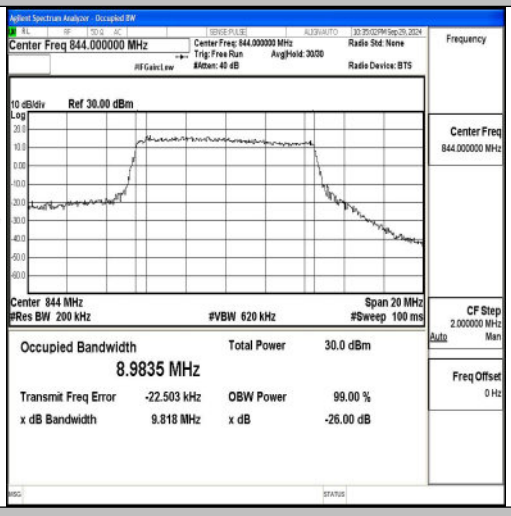
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



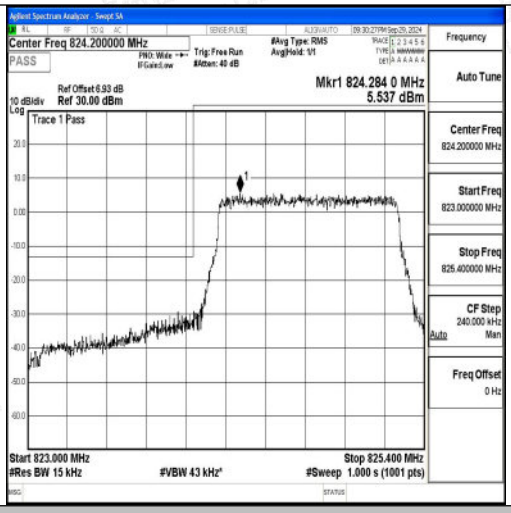
Band5-10MHz-16QAM-20600-50RB#0-PASS

C.4 Band Edge

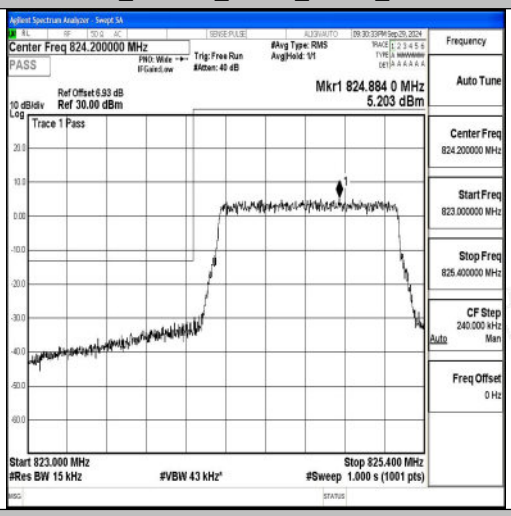
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.91	-29.36	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.96	-31.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.07	-28.37	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.01	-27.91	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.99	-25.18	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-26.62	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-23.99	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-24.01	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.99	-28.12	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-29.70	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-30.05	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.02	-27.96	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.98	-32.85	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.98	-34.44	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.04	-32.46	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.05	-32.61	PASS

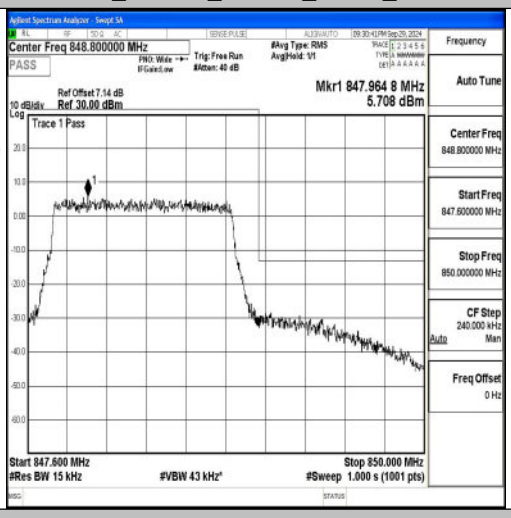
Test Graphs



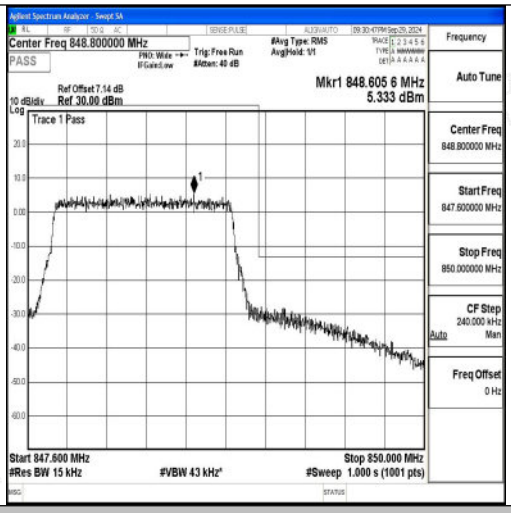
Band5_1.4MHz_QPSK_20407_6RB#0



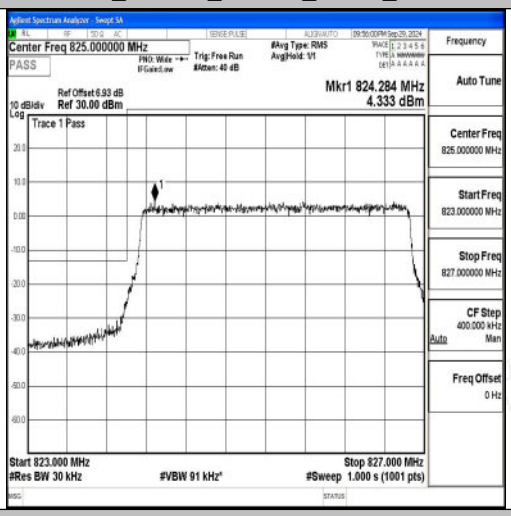
Band5_1.4MHz_16QAM_20407_6RB#0



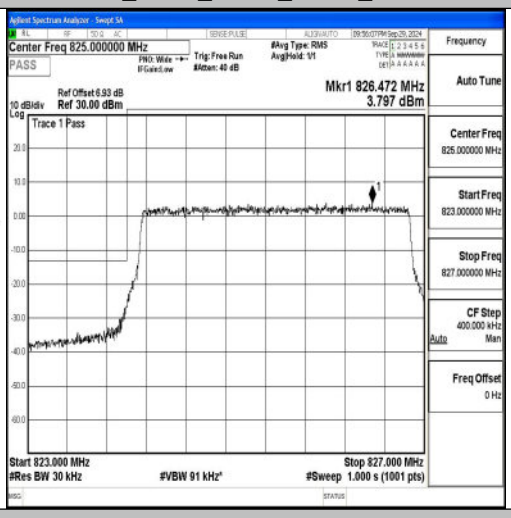
Band5_1.4MHz_QPSK_20643_6RB#0



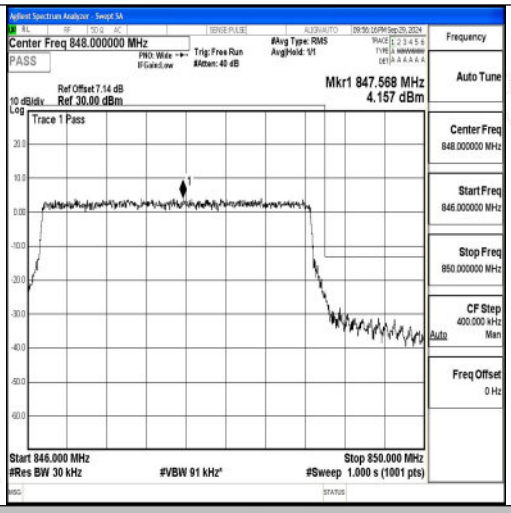
Band5_1.4MHz_16QAM_20643_6RB#0



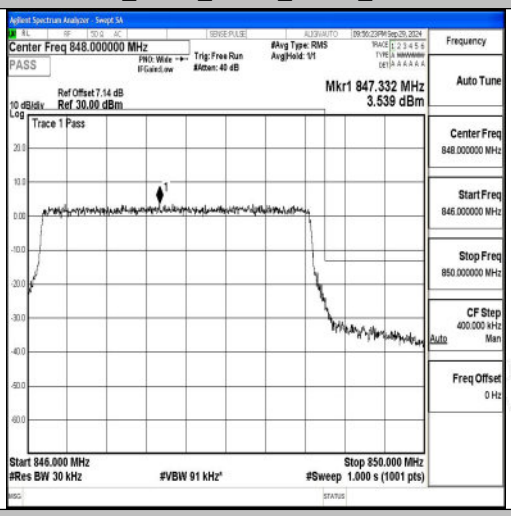
Band5_3MHz_QPSK_20415_15RB#0



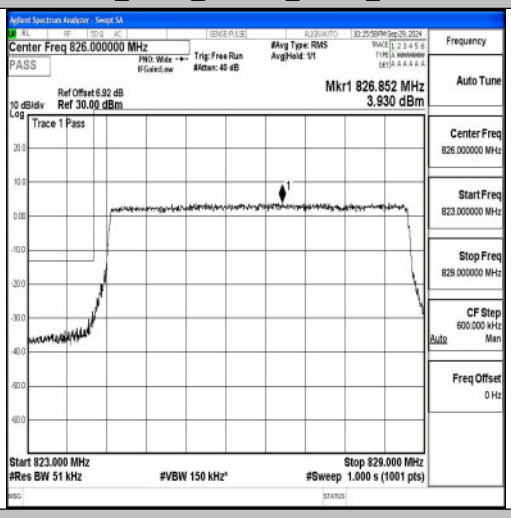
Band5_3MHz_16QAM_20415_15RB#0



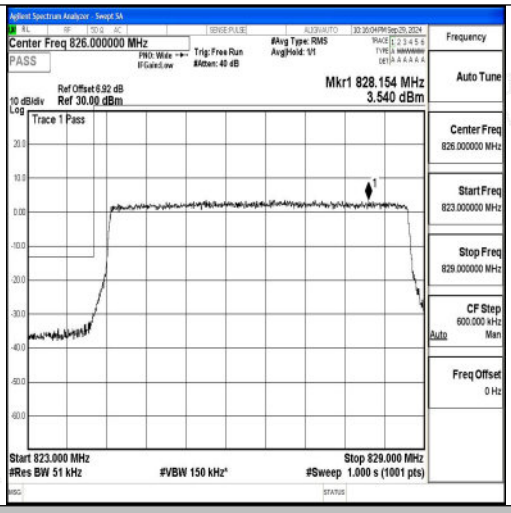
Band5_3MHz_QPSK_20635_15RB#0



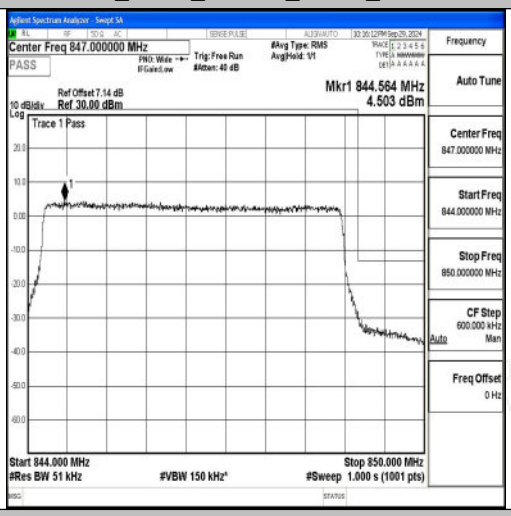
Band5_3MHz_16QAM_20635_15RB#0



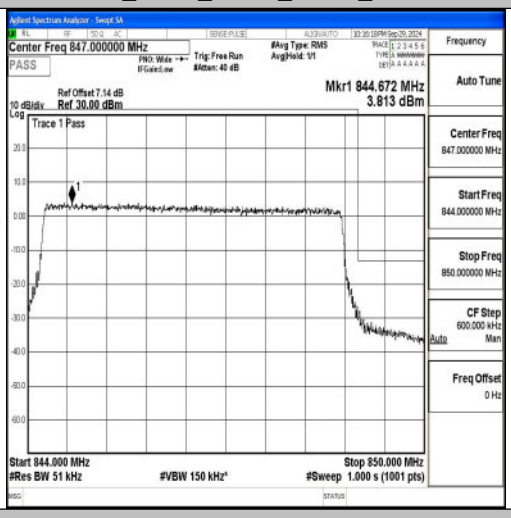
Band5_5MHz_QPSK_20425_25RB#0



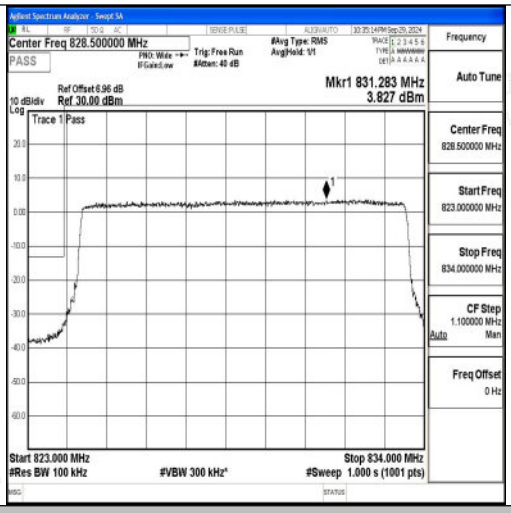
Band5_5MHz_16QAM_20425_25RB#0



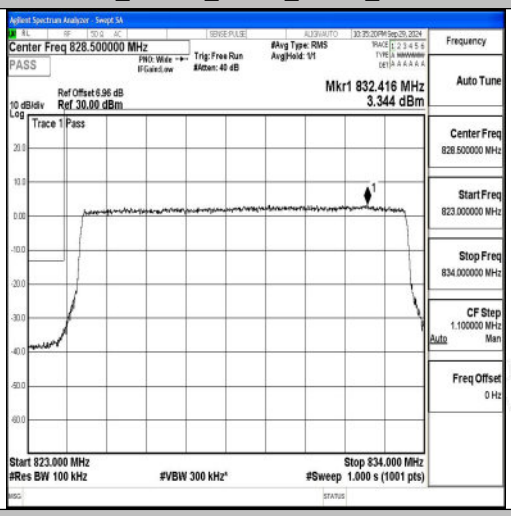
Band5_5MHz_QPSK_20625_25RB#0



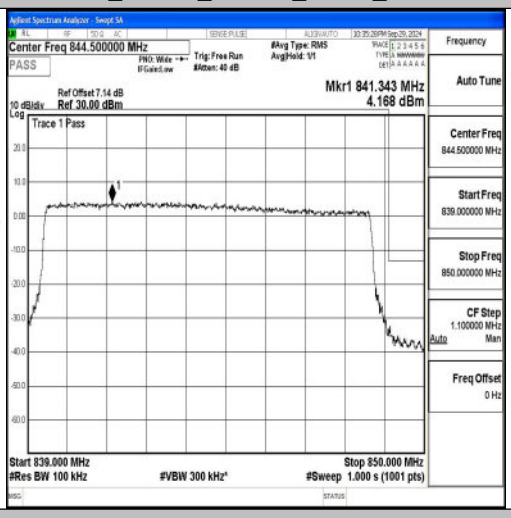
Band5_5MHz_16QAM_20625_25RB#0



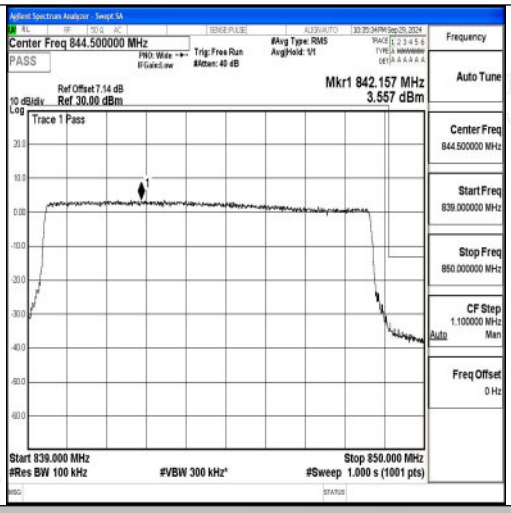
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

C.5 Conducted Spurious Emission

Test Result

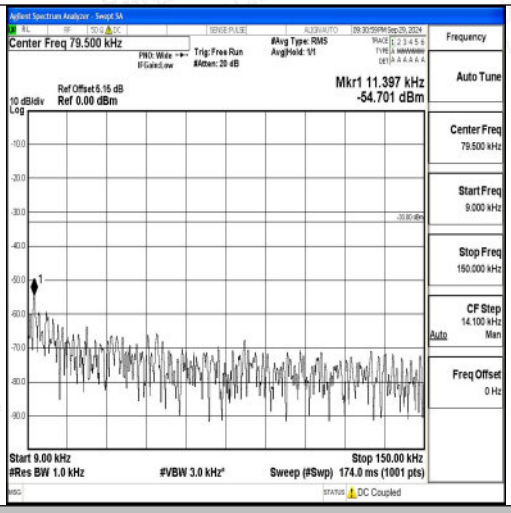
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-54.70	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-54.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-46.53	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-43.01	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-54.88	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-51.34	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-41.25	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-42.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-57.81	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-51.56	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-47.20	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-44.04	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-43.99	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-57.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-49.88	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-46.94	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-41.90	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-44.26	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-58.24	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-53.03	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-45.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-41.80	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-58.20	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-52.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-48.72	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-41.72	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-43.59	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-60.99	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-50.67	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-49.86	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-42.20	PASS

Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-44.14	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-58.51	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-52.93	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-49.18	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-42.21	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-44.28	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-56.60	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-52.56	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-50.20	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-43.04	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-43.84	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-58.04	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-51.79	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-48.71	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-43.27	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-43.93	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-59.10	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-51.76	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-47.20	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-41.53	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.12	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-55.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-52.27	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-49.55	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-41.25	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.07	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-56.66	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-51.32	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-58.50	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-42.48	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.27	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-59.56	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-50.15	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-58.59	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-42.33	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-44.17	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-57.05	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-51.13	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-58.06	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-42.51	PASS

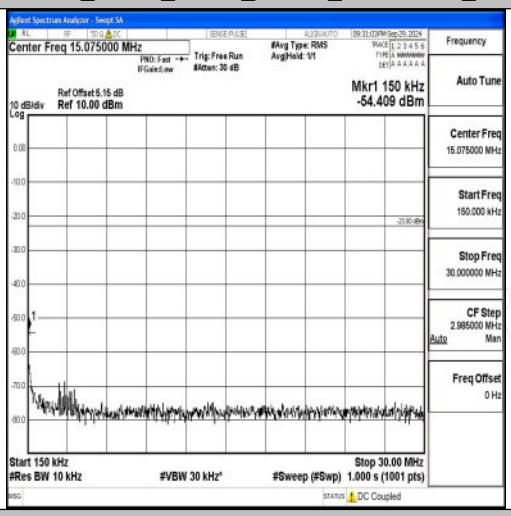
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-44.30	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-58.08	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-51.36	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-58.73	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-42.93	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-44.37	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-57.09	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-50.91	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-58.11	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-44.65	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-43.84	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-56.60	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-51.94	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-58.06	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-44.55	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.32	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-57.71	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-52.09	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-61.98	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-43.26	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-44.20	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-56.64	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-55.18	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-62.24	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-42.32	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.00	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-57.47	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-50.49	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-62.00	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-43.73	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-43.70	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-56.01	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-51.79	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-62.22	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-41.88	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-43.81	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-59.47	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-51.35	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-61.49	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-46.09	PASS

Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.25	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-54.49	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-51.89	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-62.18	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-46.68	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.36	PASS

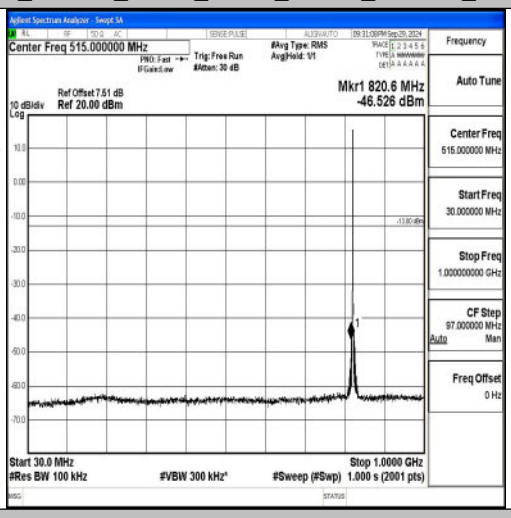
Test Graphs



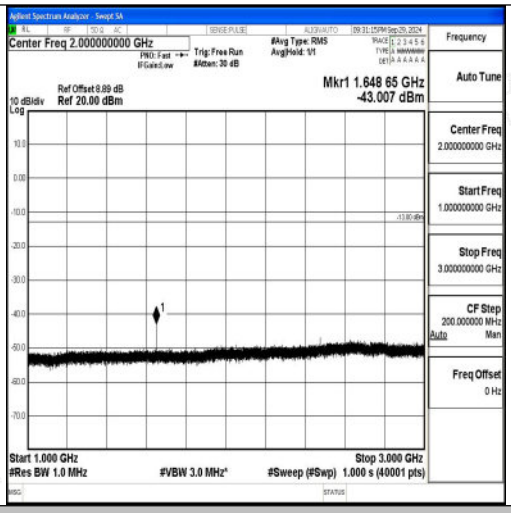
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



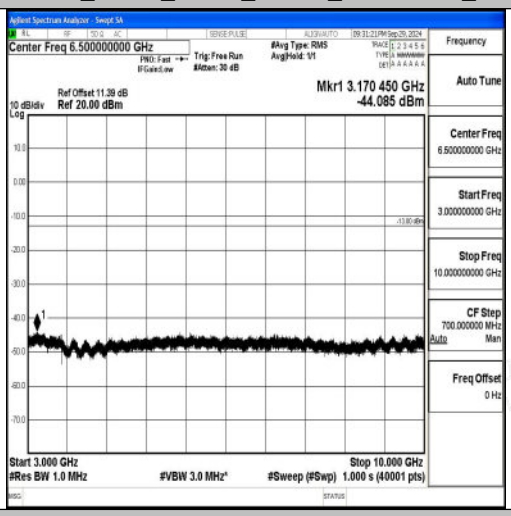
Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30



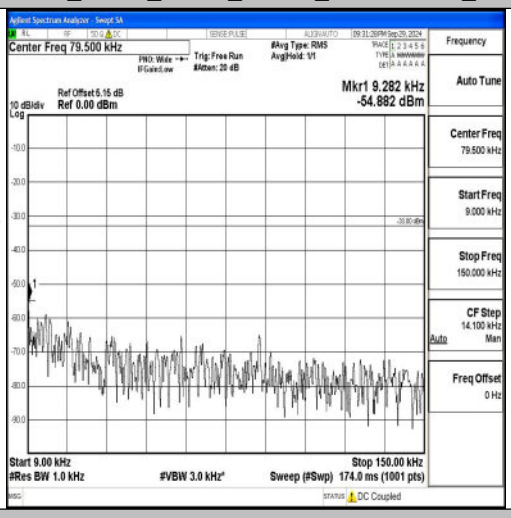
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000



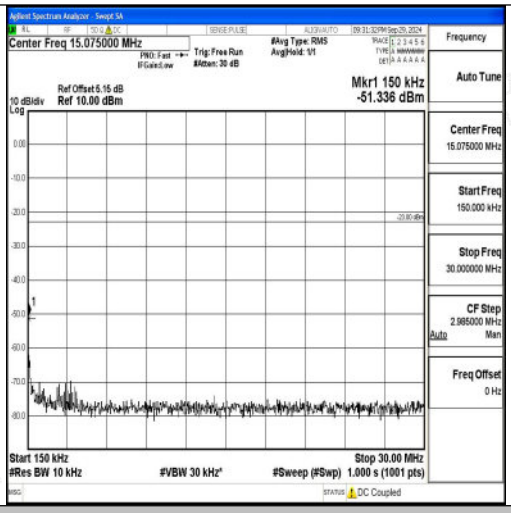
Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000



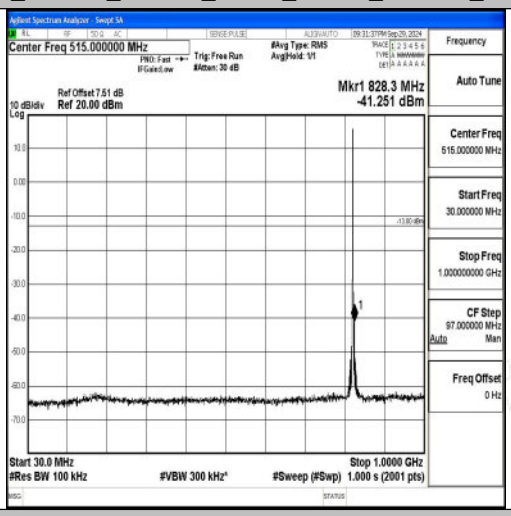
Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



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



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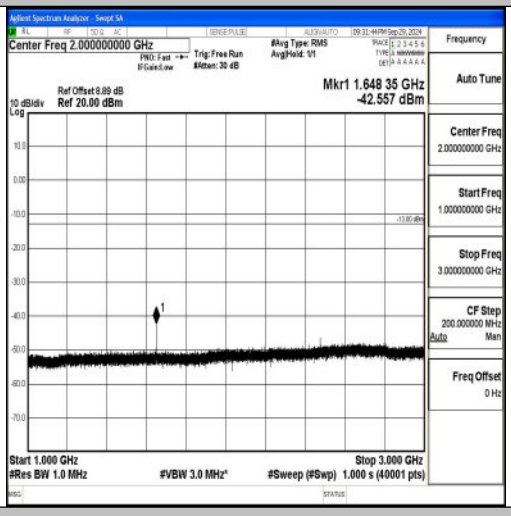
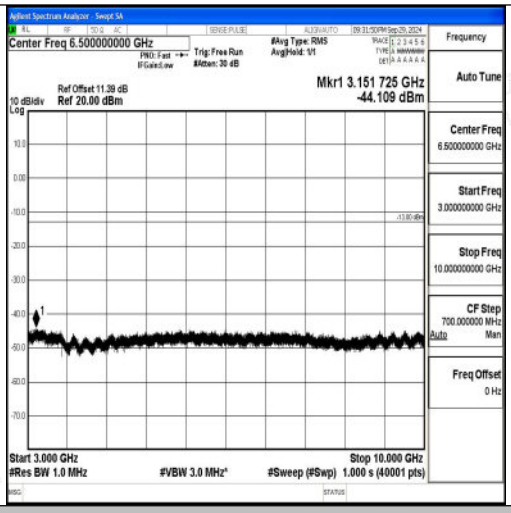
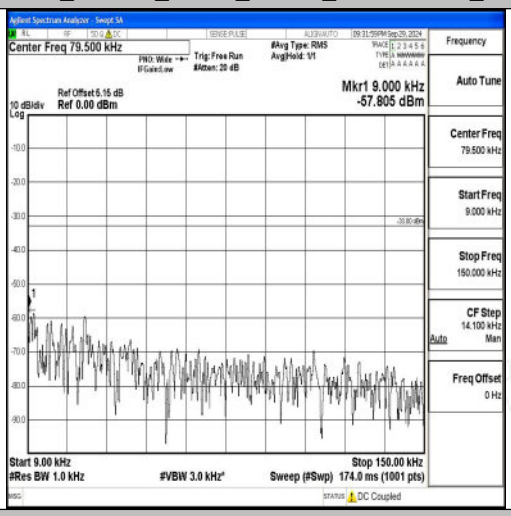


Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000



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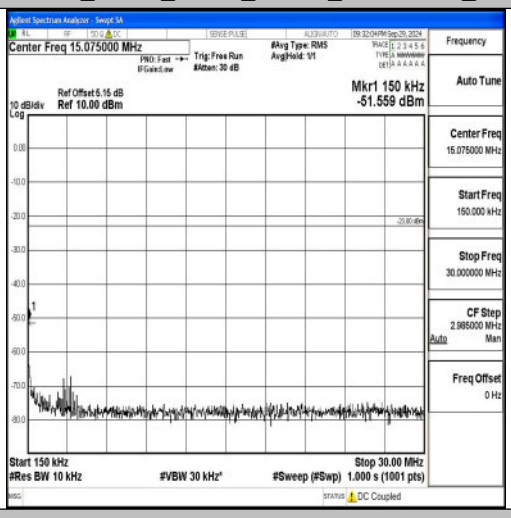
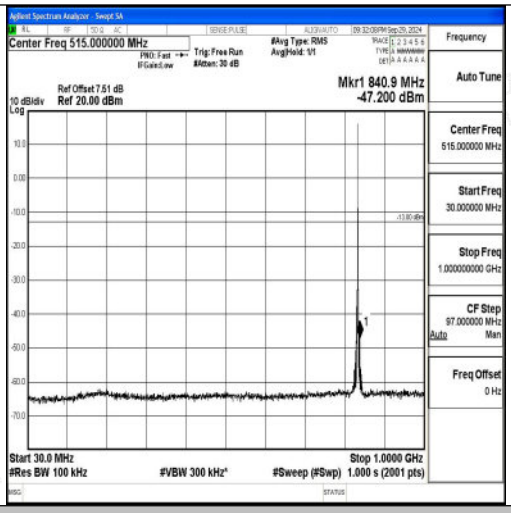
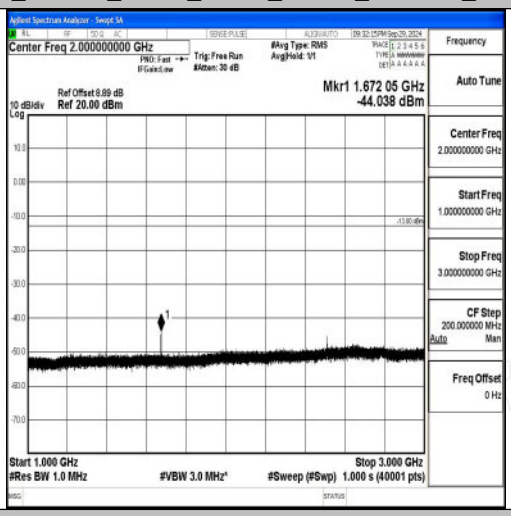


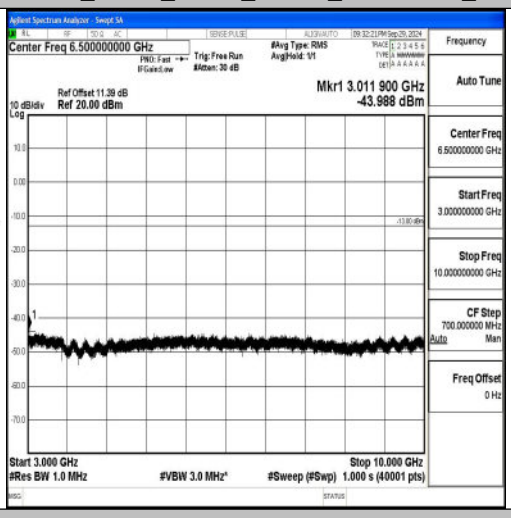
Band5_1.4MHz_QPSK_20525_1RB#0_0.15~30_0.15~30



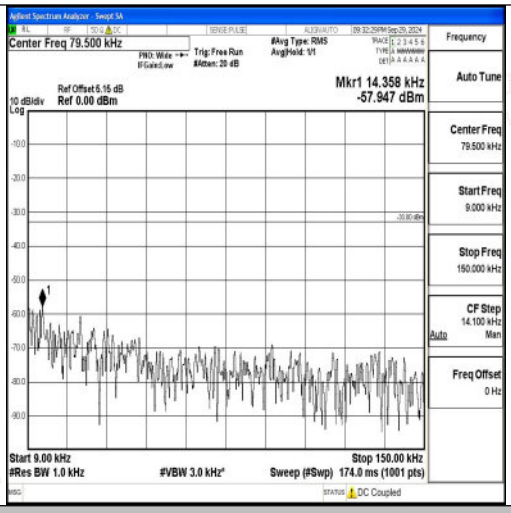
Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000



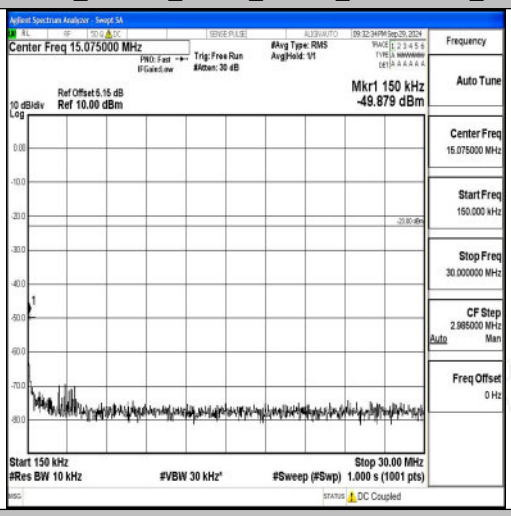
Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000



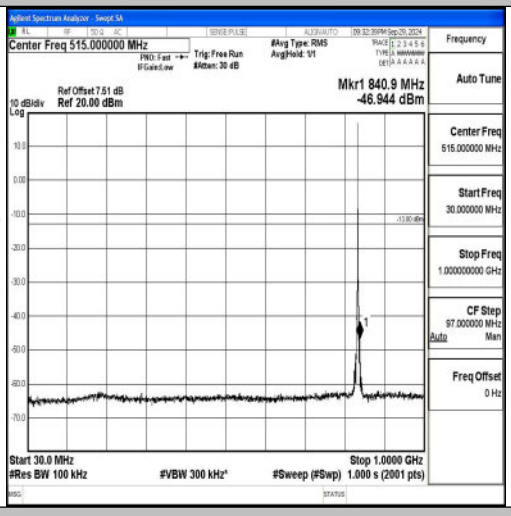
Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_16QAM_20525_1RB#0_0.15~30_0.15~30



Band5_1.4MHz_16QAM_20525_1RB#0_30~1000_30~1000