Appendix H: Test Data for E-UTRA Band 5

Product Name: Smart Phone

Test Model: HPPH88C

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

H.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.44	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.40	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.91	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.68	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.91	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.40	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.15	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.39	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.04	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.54	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.58	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.59	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.18	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.58	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.16	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.63	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.26	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.62	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.38	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.61	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.10	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.47	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.80	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.64	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.71	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.79	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.24	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.14	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.74	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	21.91	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.85	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.19	PASS

Band5	1.4MHz	16QAM	20643	3RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.24	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.58	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.30	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.50	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.95	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.24	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.60	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.15	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.62	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.24	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.72	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.64	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.98	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.29	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.02	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.43	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.05	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.28	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.82	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.27	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.10	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.26	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.16	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.44	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.22	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.55	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.18	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.49	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.19	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.54	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.19	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.46	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.84	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.18	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.35	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.14	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.30	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.86	PASS

Band5	3MHz	16QAM	20635	1RB#14	21.72	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.55	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.08	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.58	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.11	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.43	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.95	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.92	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.30	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.04	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.32	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.13	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.28	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.08	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.31	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.82	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.23	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.82	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.34	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.77	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.41	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.96	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.04	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.09	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.15	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.22	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.26	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.32	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.25	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.03	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.99	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.66	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.86	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.49	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.77	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.42	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.81	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.23	PASS

Band5	5MHz	16QAM	20625	1RB#12	22.62	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.39	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.10	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.70	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.01	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.72	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.22	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.50	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.86	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.60	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.05	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.16	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.80	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.27	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.82	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.31	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.92	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.33	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.75	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.32	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.75	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.40	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.79	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.32	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.81	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.19	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.93	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.56	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.97	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.49	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.03	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.53	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.01	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.55	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.02	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.59	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.11	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.70	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.97	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.46	PASS

Band5	10MHz	16QAM	20600	1RB#0	23.48	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.34	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.04	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.47	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.50	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.19	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.54	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.20	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.65	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.19	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.50	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.11	PASS

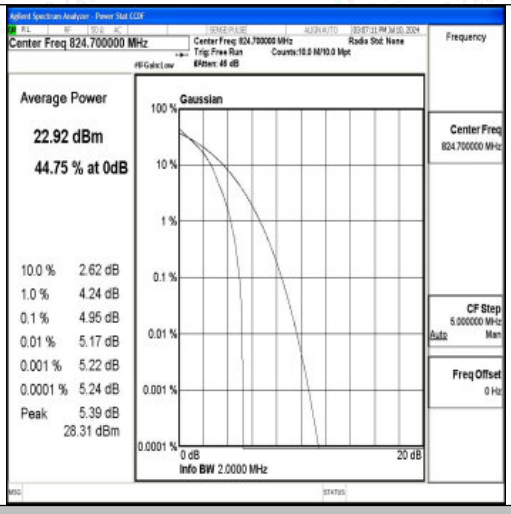
H.2 Peak-to-Average Ratio(CCDF)

Test Result

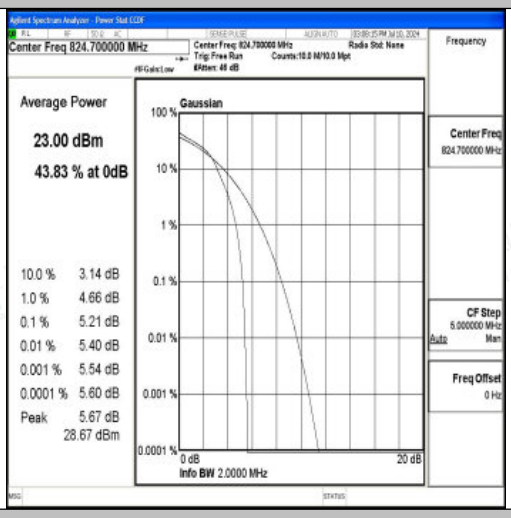
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.95	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.21	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.72	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.32	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.72	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.64	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.53	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.11	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.77	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.51	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.22	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.99	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.06	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.73	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.78	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.48	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.76	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.30	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.58	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.22	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.72	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.62	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.67	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.33	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.80	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.77	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.37	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.88	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.35	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.26	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.08	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.48	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.27	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	5.87	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.10	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.62	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.31	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.80	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.63	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.28	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.73	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.90	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.34	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.98	13	PASS

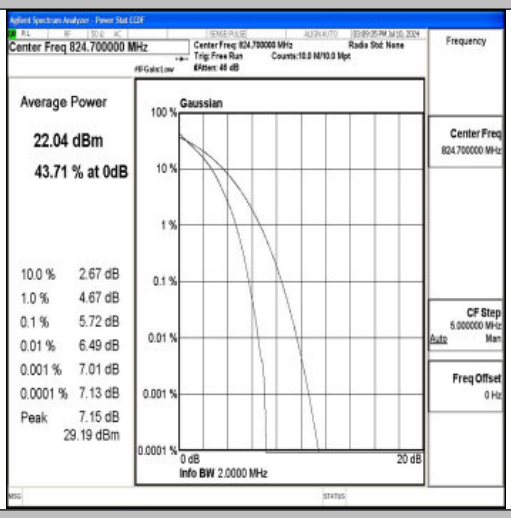
Test Graphs



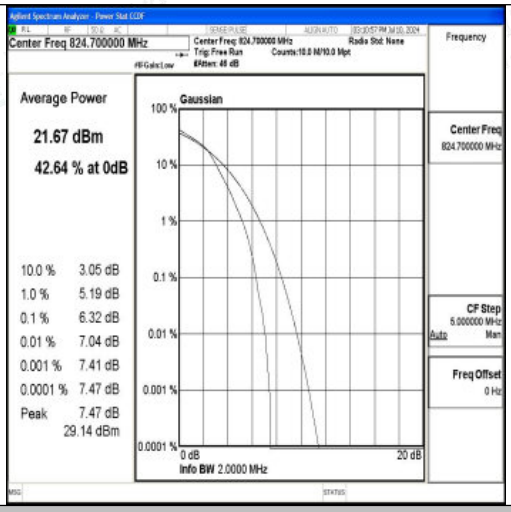
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



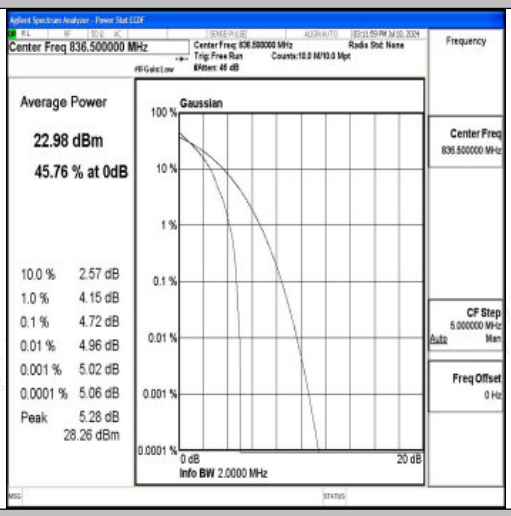
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



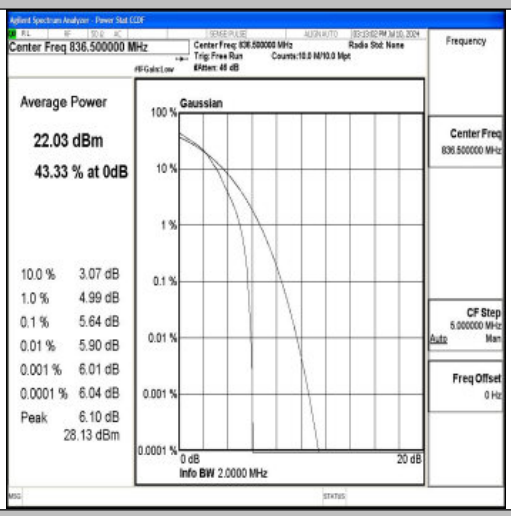
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



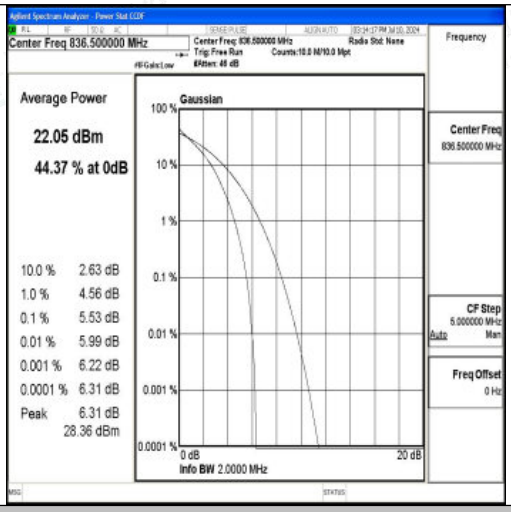
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



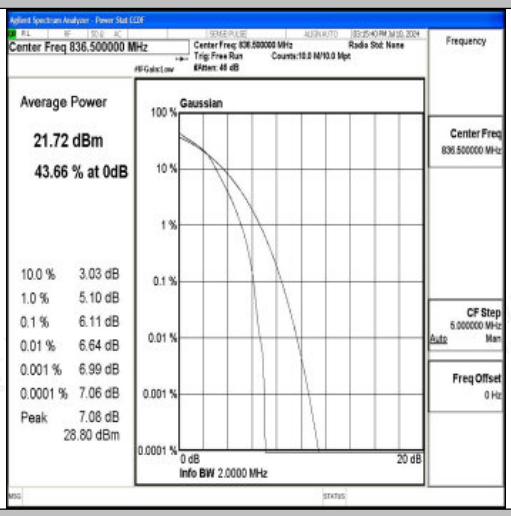
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



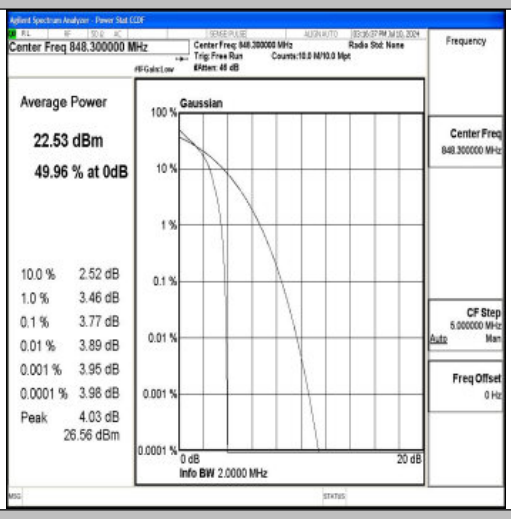
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



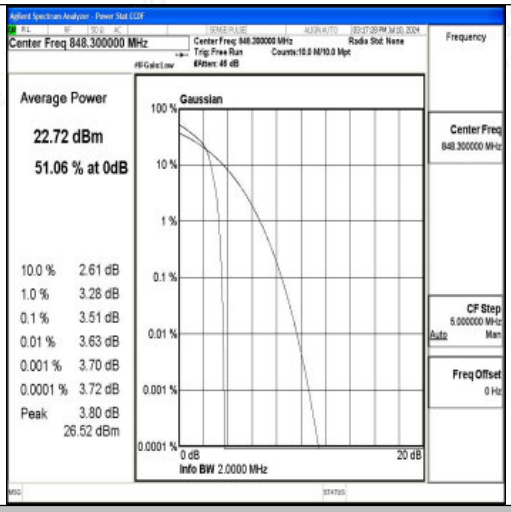
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



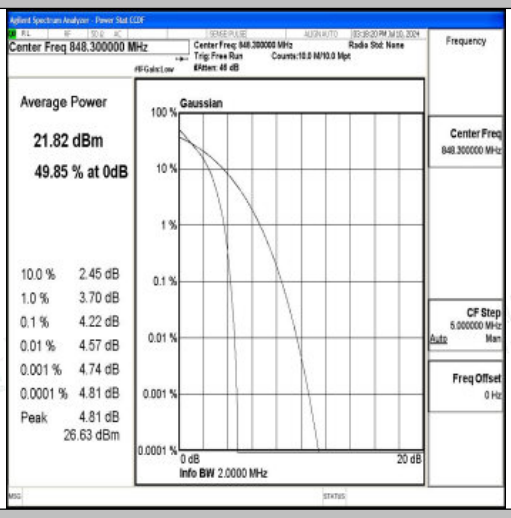
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



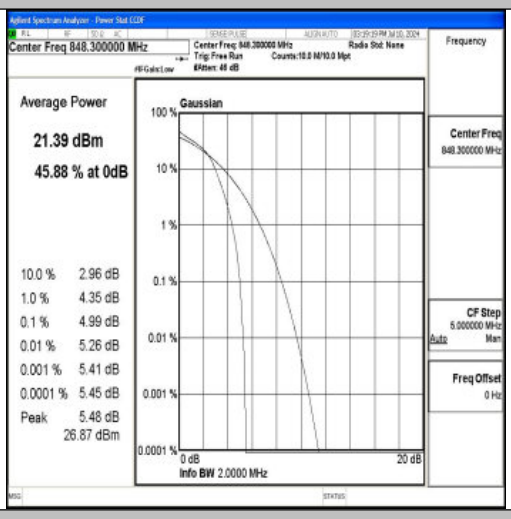
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



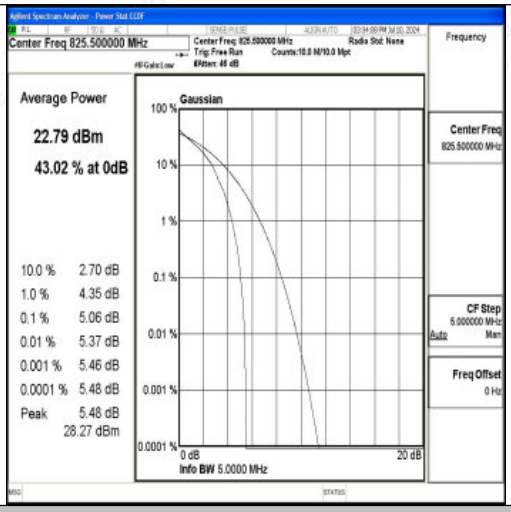
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



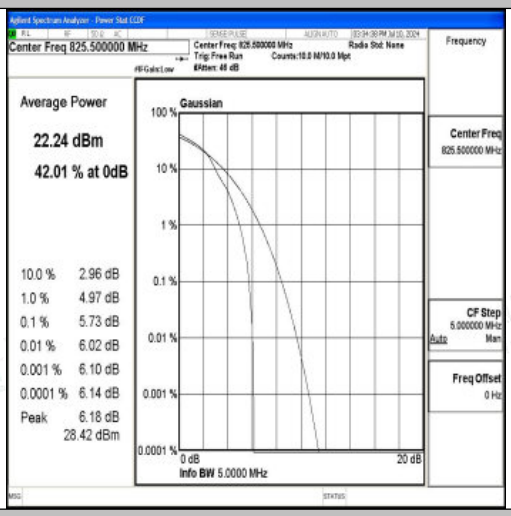
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



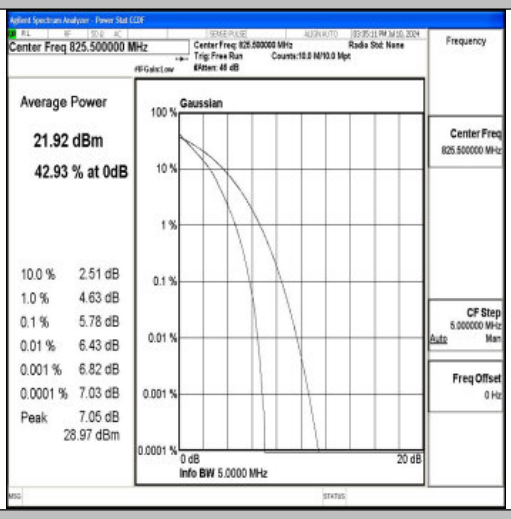
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



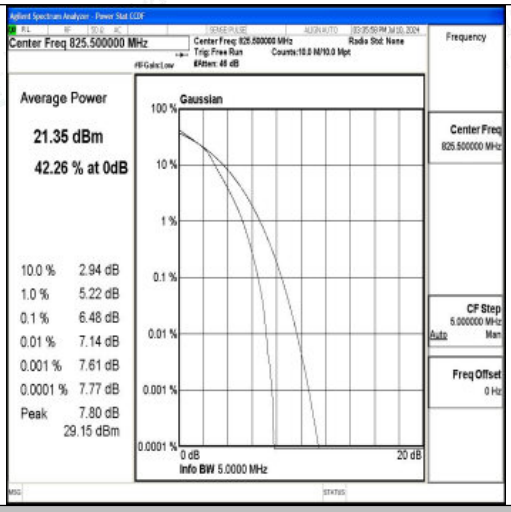
Band5-3MHz-QPSK-20415-1RB#0-PASS



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



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



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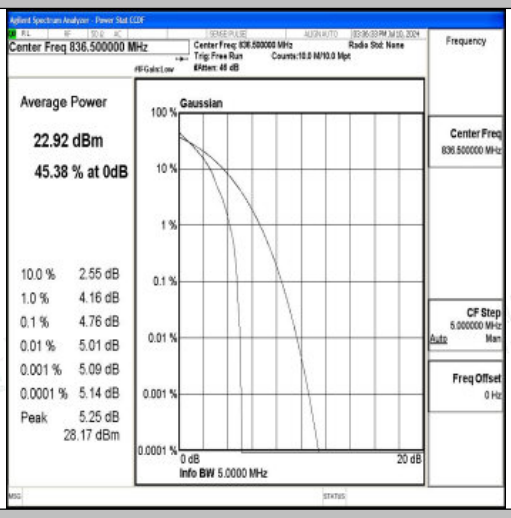
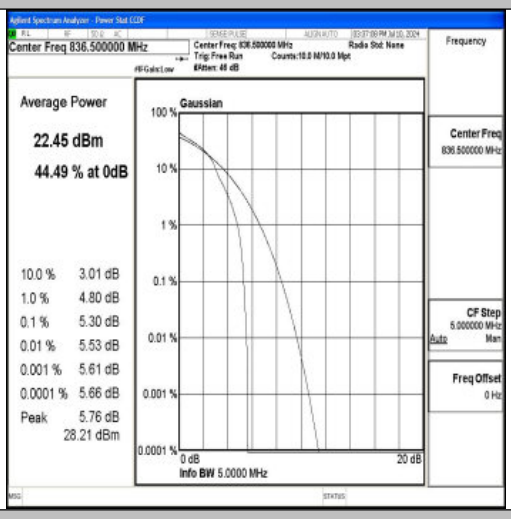


Band5-3MHz-QPSK-20525-1RB#0-PASS



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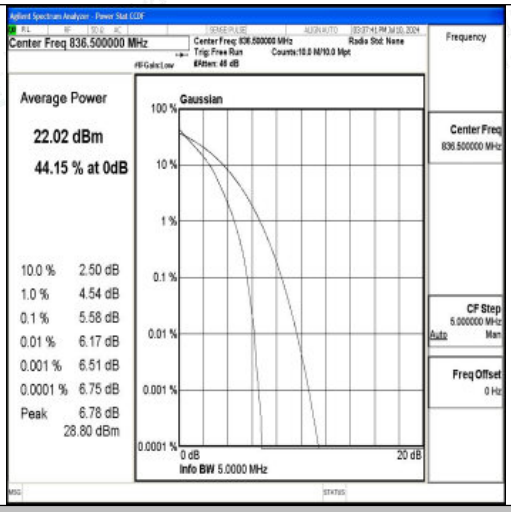

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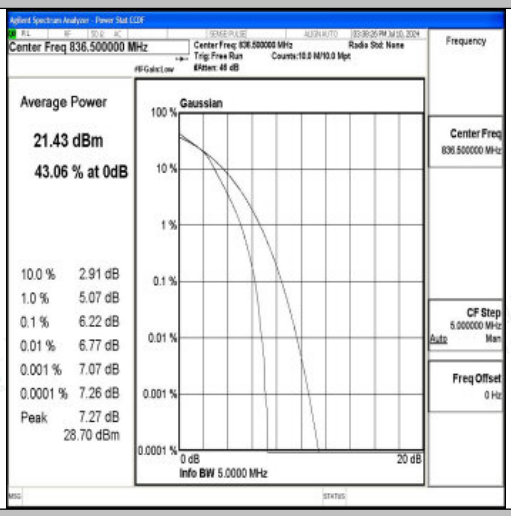
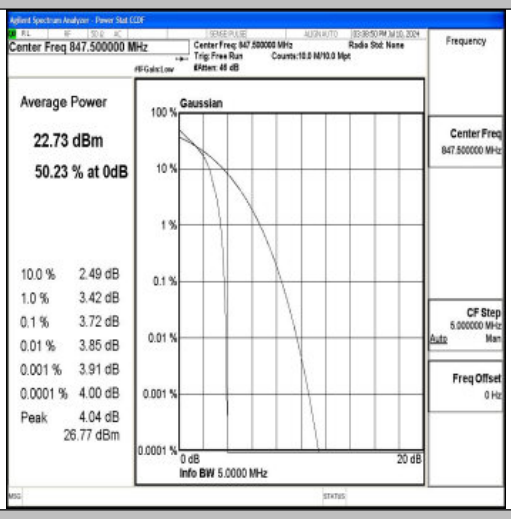
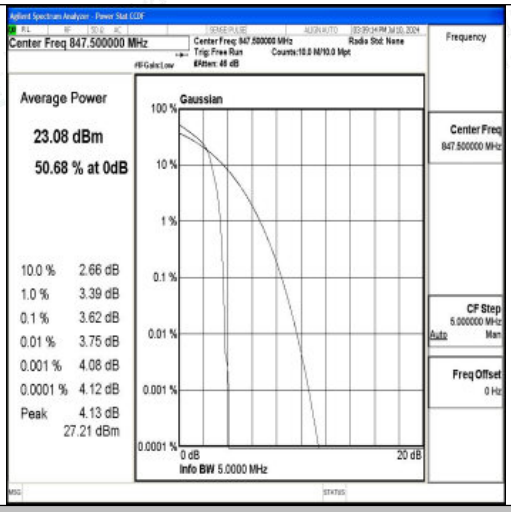


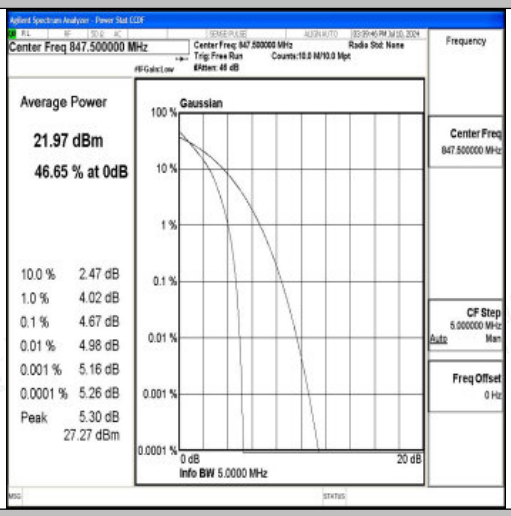
Band5-3MHz-16QAM-20525-15RB#0-PASS



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



Band5-3MHz-16QAM-20635-1RB#0-PASS



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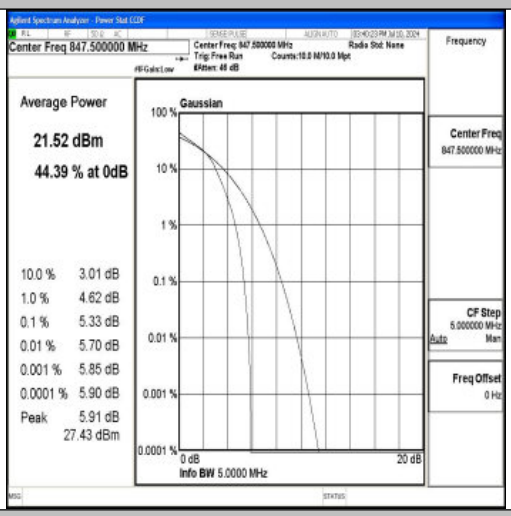

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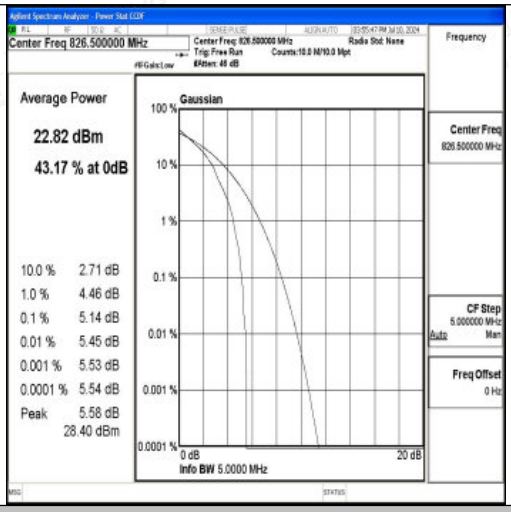

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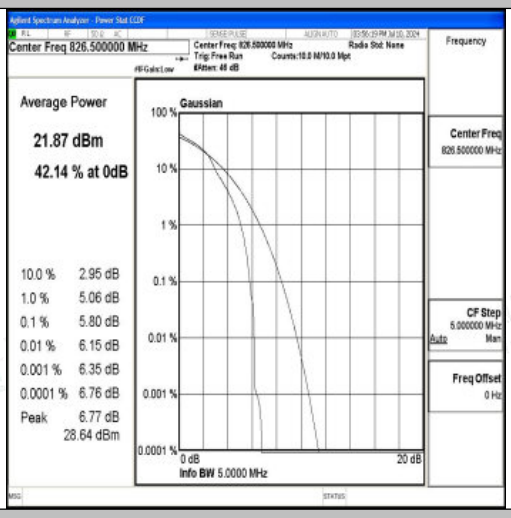

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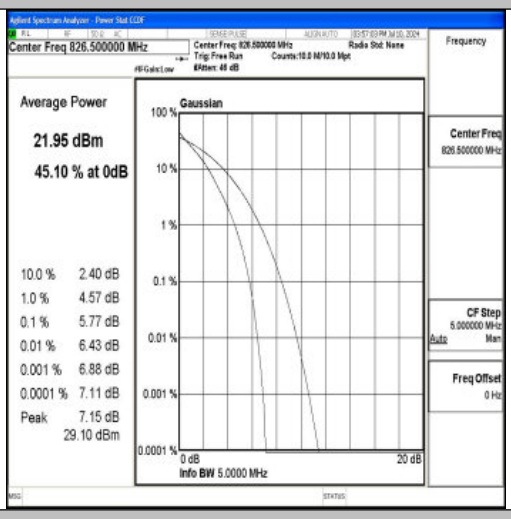

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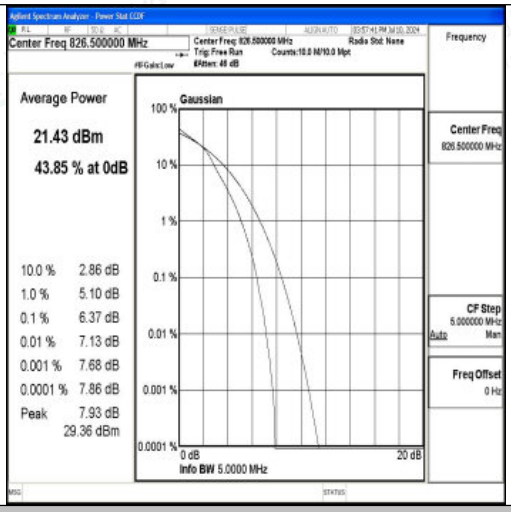
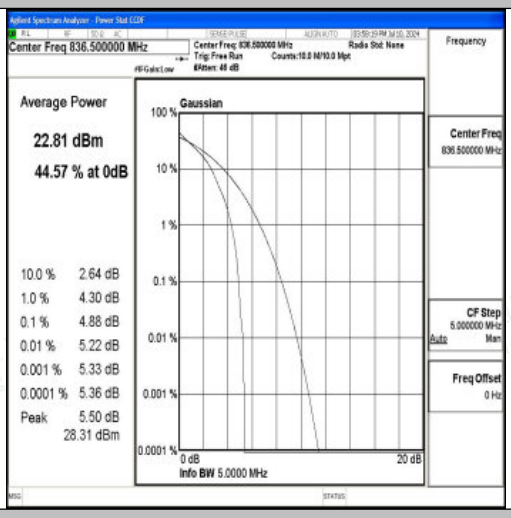


Band5-5MHz-16QAM-20425-25RB#0-PASS



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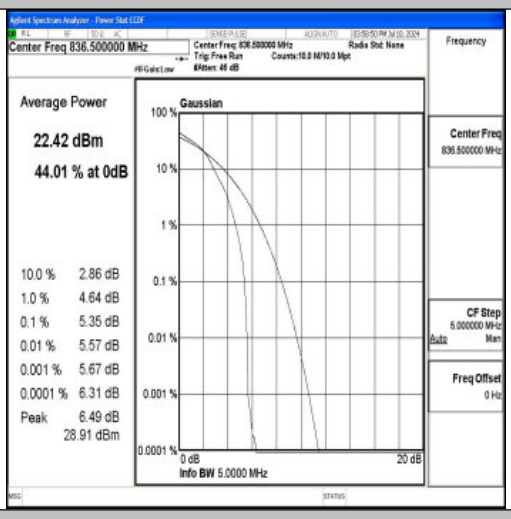
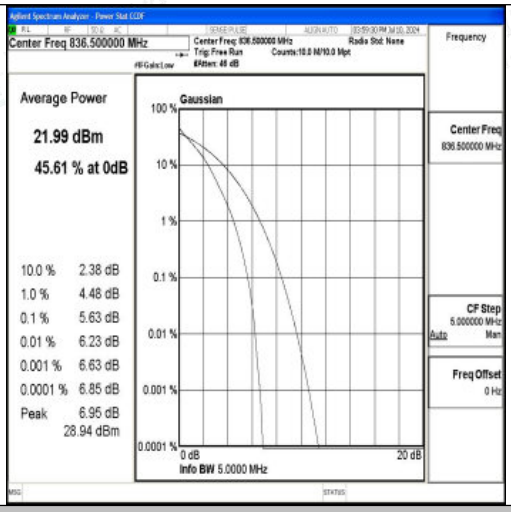


Band5-5MHz-16QAM-20525-1RB#0-PASS



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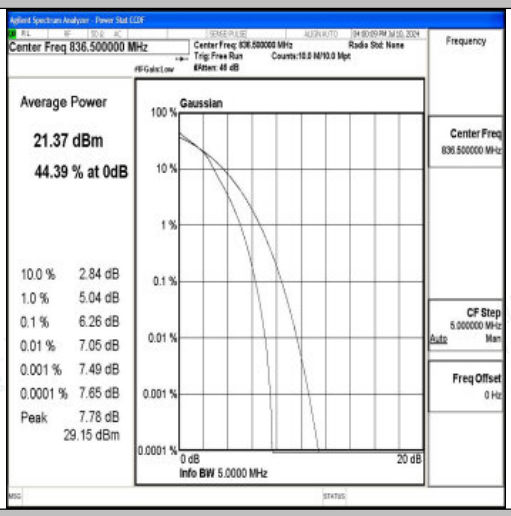

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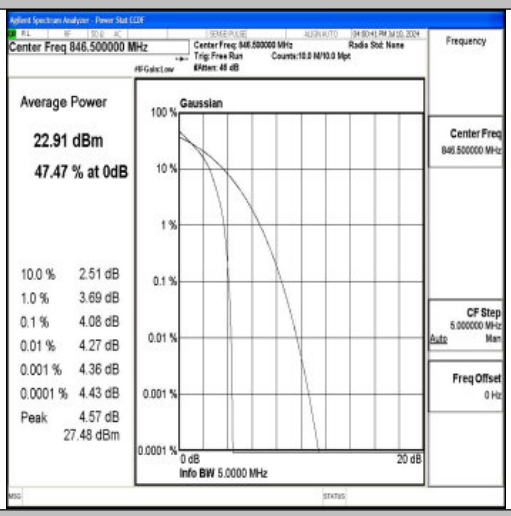

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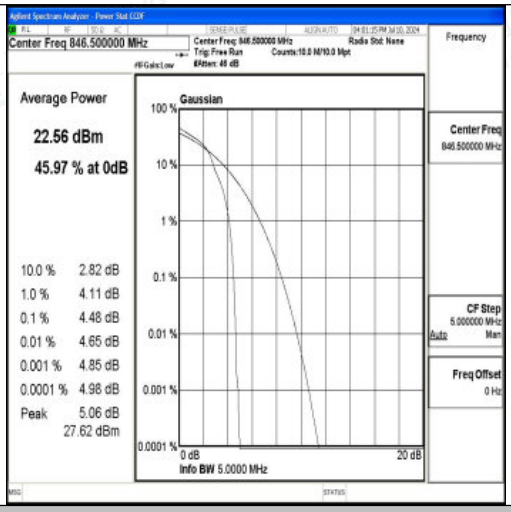

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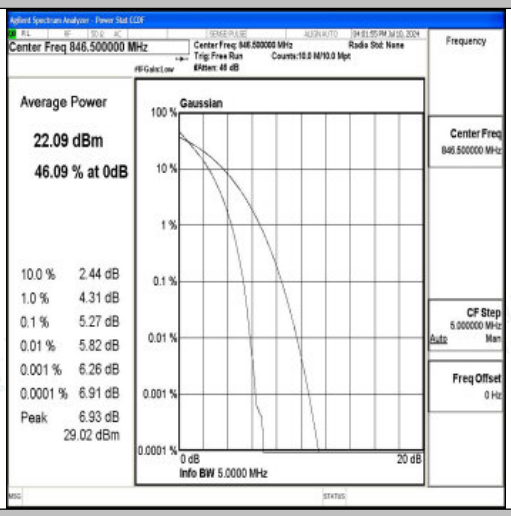

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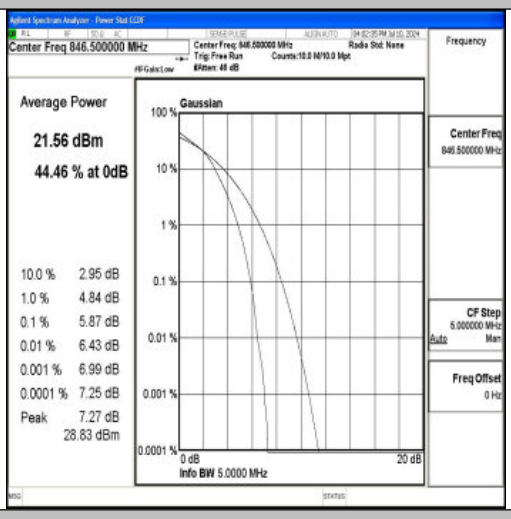

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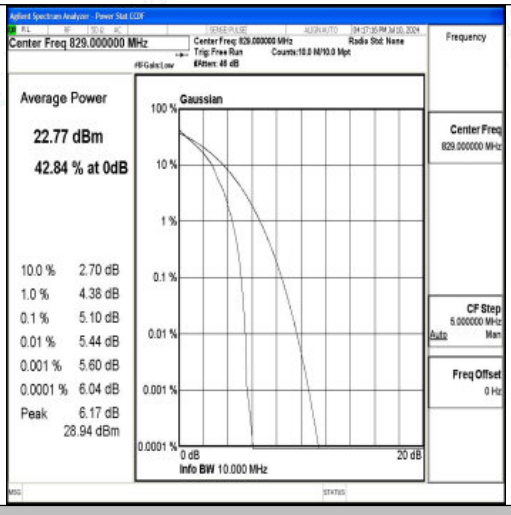
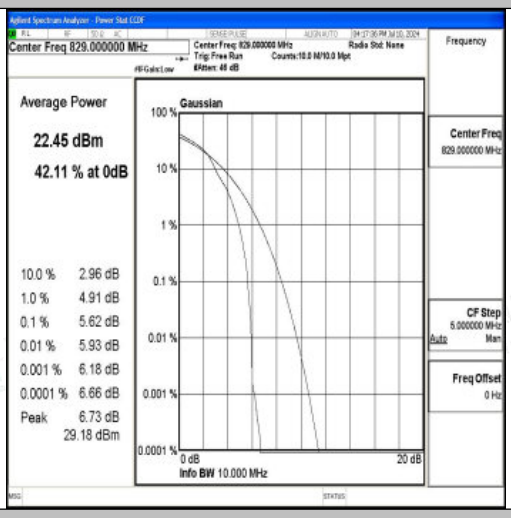
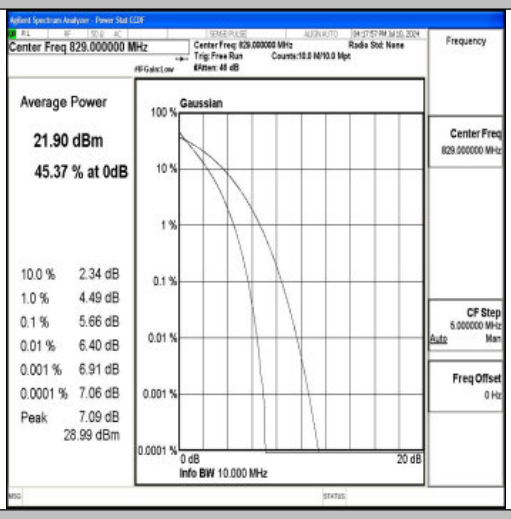


Band5-10MHz-QPSK-20450-1RB#0-PASS



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



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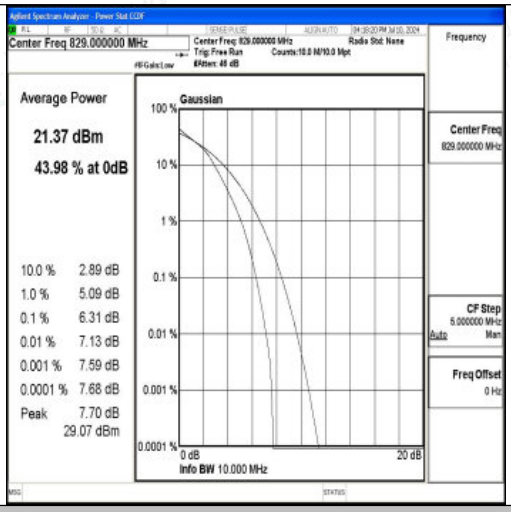

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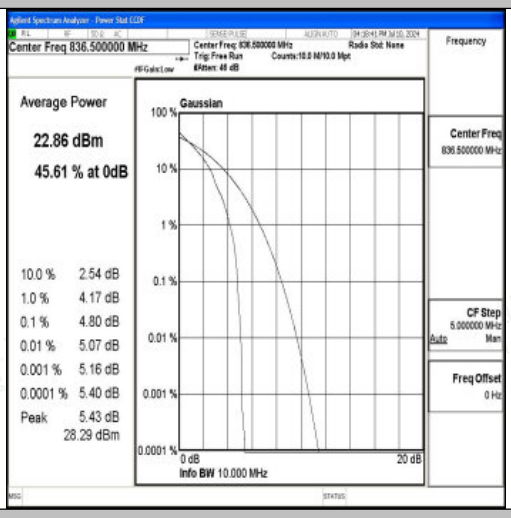

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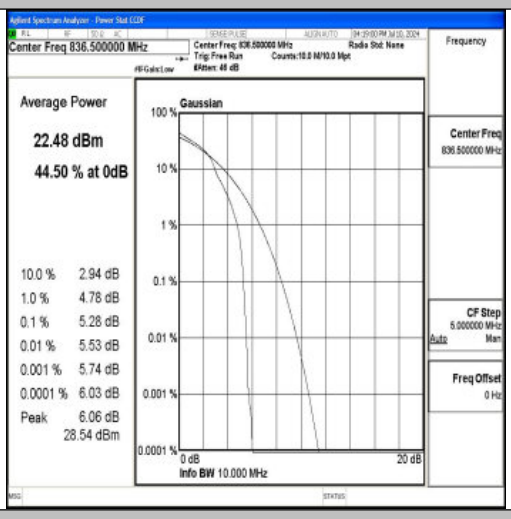

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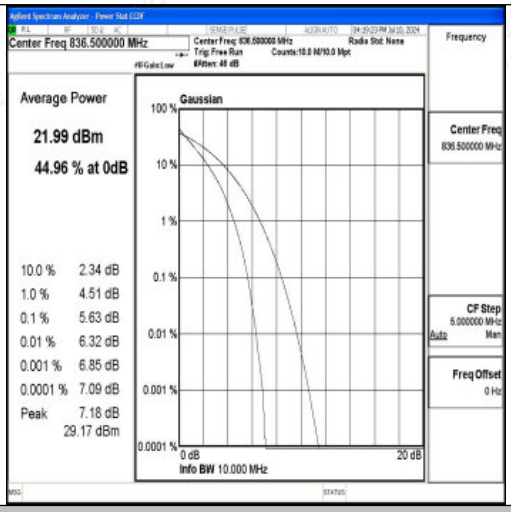
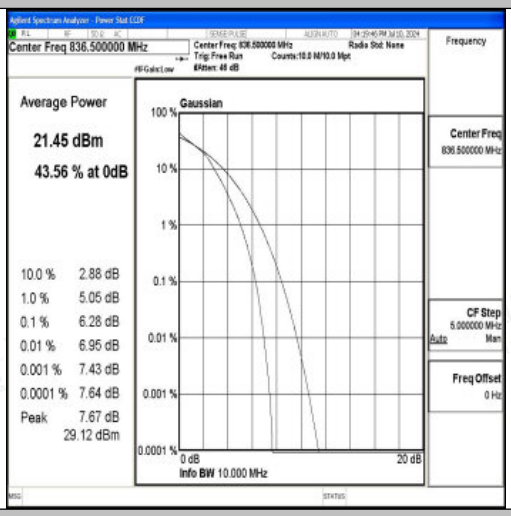
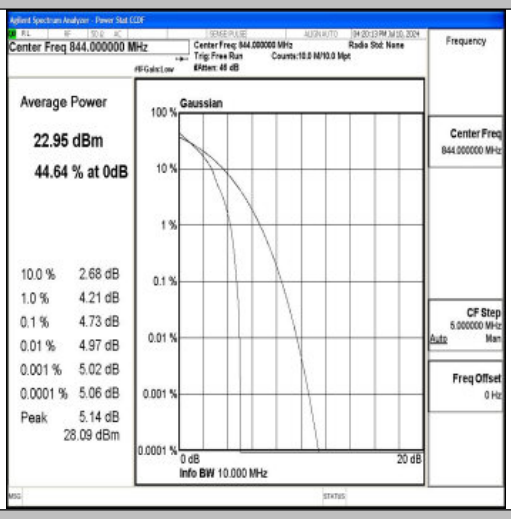


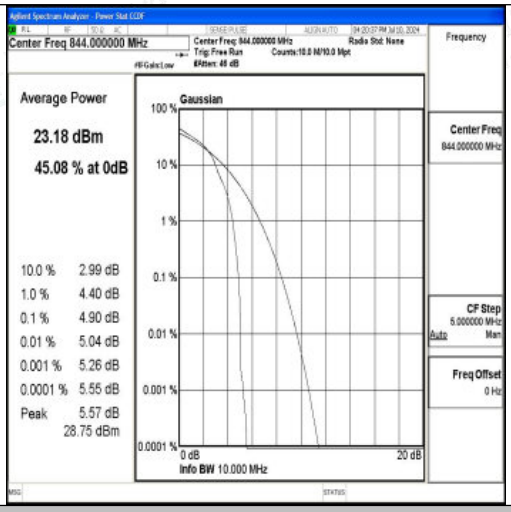
Band5-10MHz-QPSK-20525-50RB#0-PASS



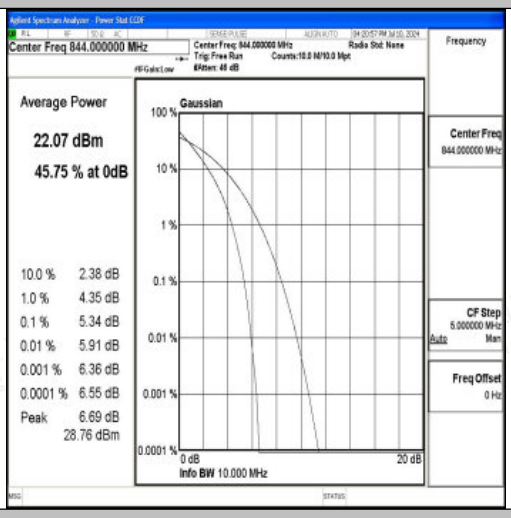
Band5-10MHz-16QAM-20525-50RB#0-PASS



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



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



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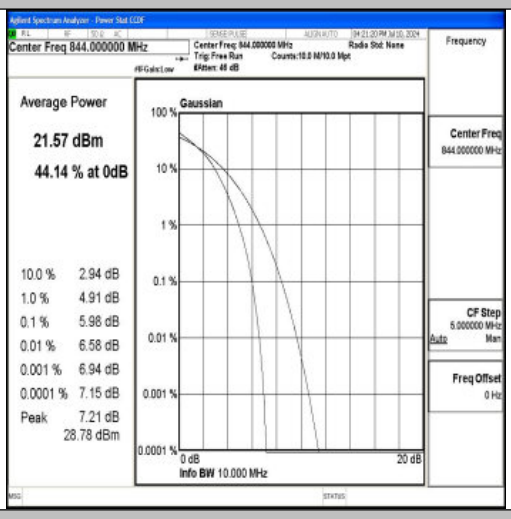


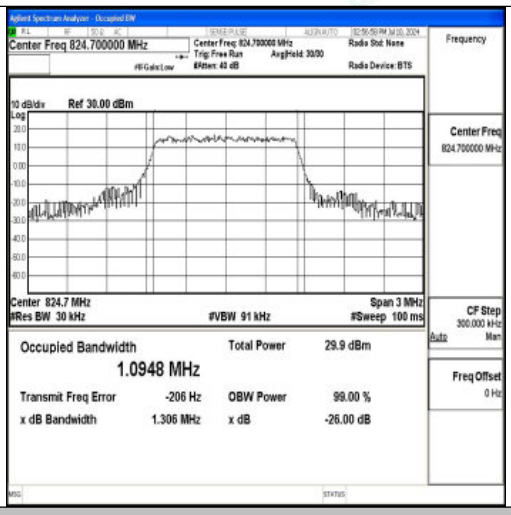
Band5-10MHz-16QAM-20600-50RB#0-PASS

H.3 26dB Bandwidth and Occupied Bandwidth

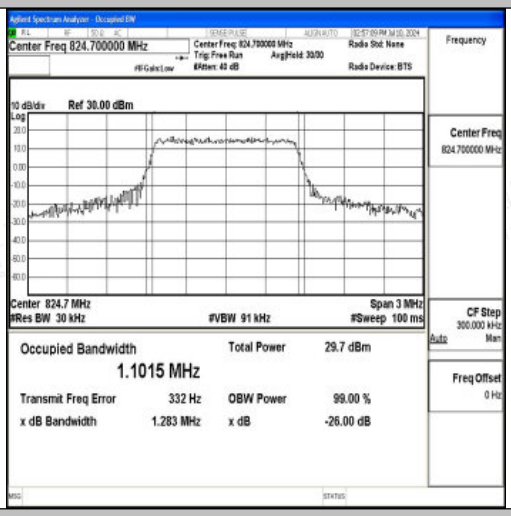
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0948	1.306	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1015	1.283	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0981	1.289	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1017	1.371	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0966	1.246	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0947	1.327	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7082	3.188	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6983	3.103	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7124	3.193	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7104	3.213	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7032	3.125	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7096	3.248	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5249	5.285	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5278	5.233	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5232	5.342	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5372	5.383	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5240	5.447	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5501	5.333	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9783	10.16	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9637	9.954	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0055	10.12	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0203	10.07	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9667	9.921	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9959	10.06	PASS

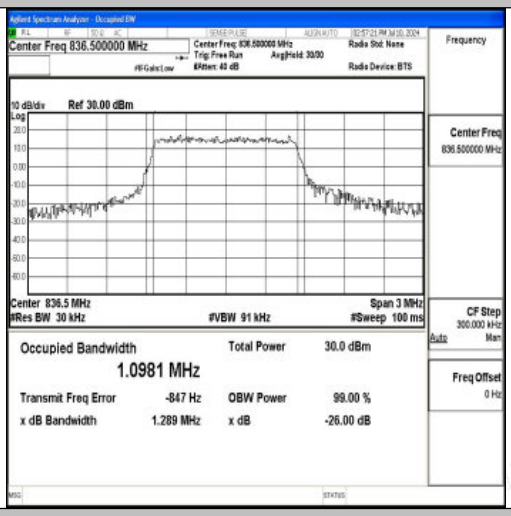
Test Graphs



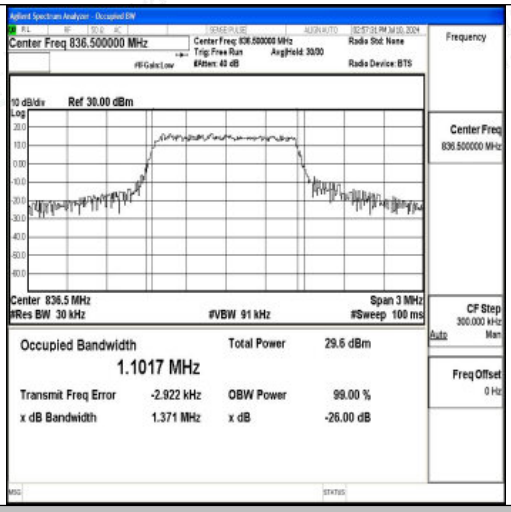
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



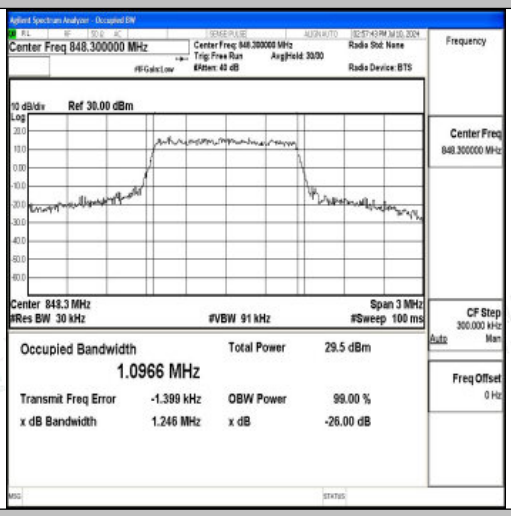
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



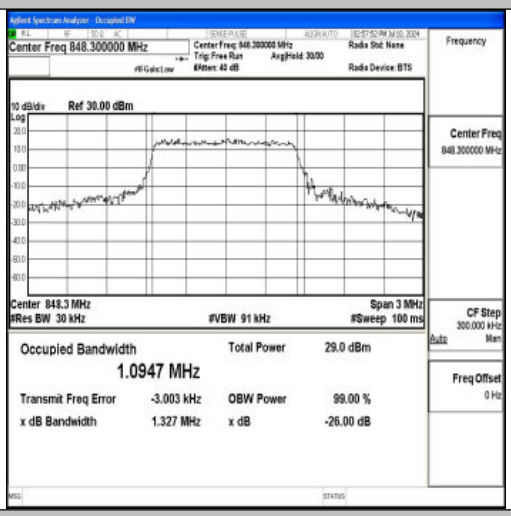
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



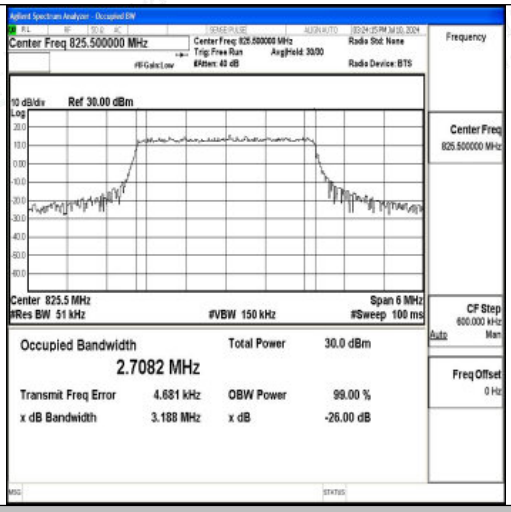
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



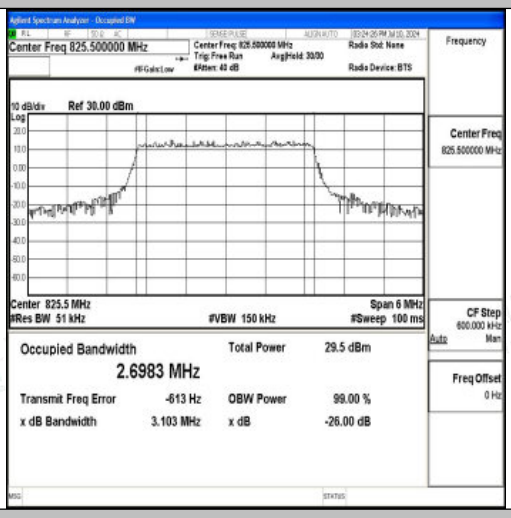
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



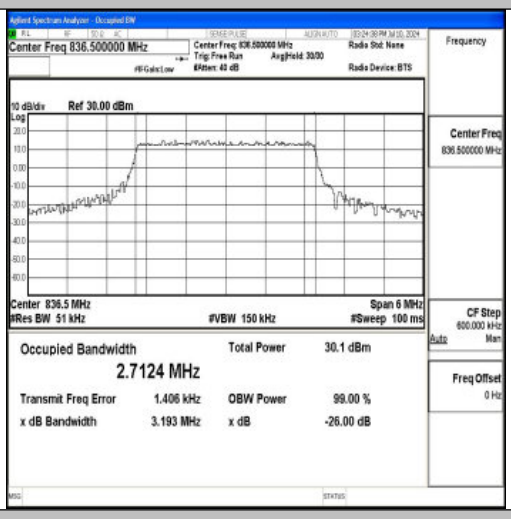
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



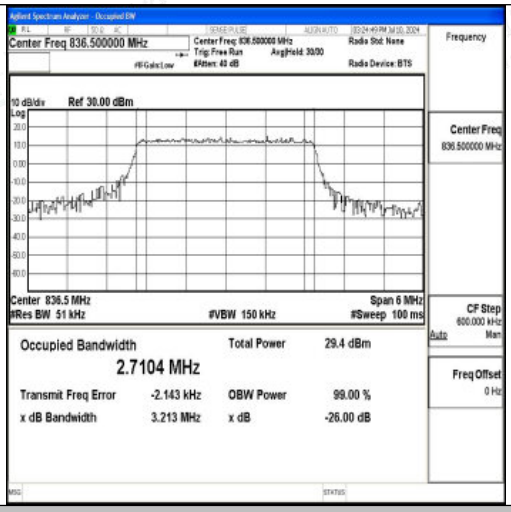
Band5-3MHz-QPSK-20415-15RB#0-PASS



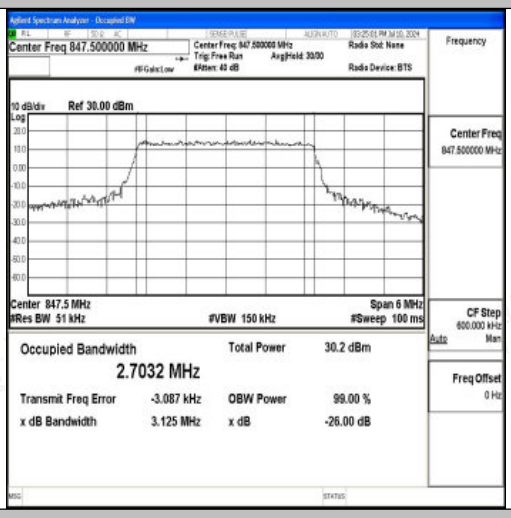
Band5-3MHz-16QAM-20415-15RB#0-PASS



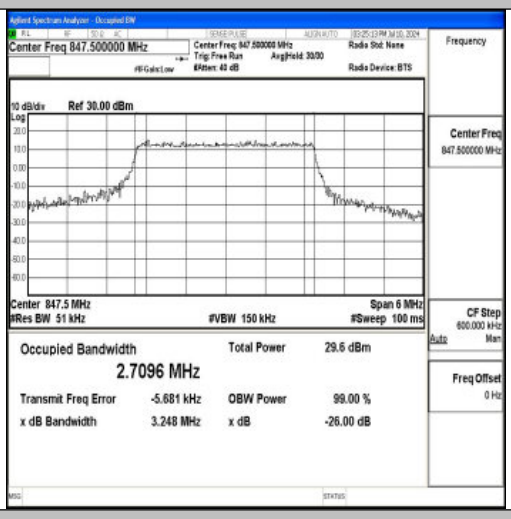
Band5-3MHz-QPSK-20525-15RB#0-PASS



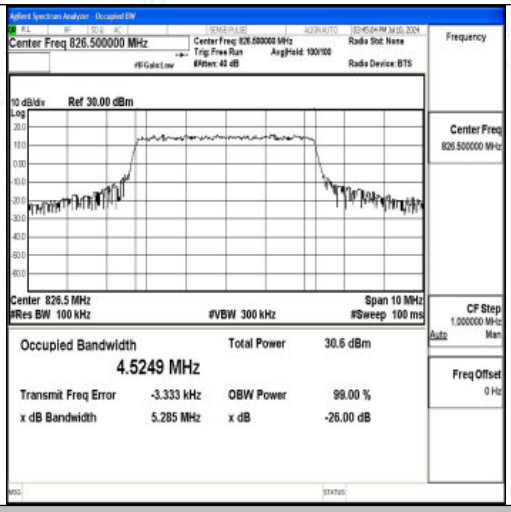
Band5-3MHz-16QAM-20525-15RB#0-PASS



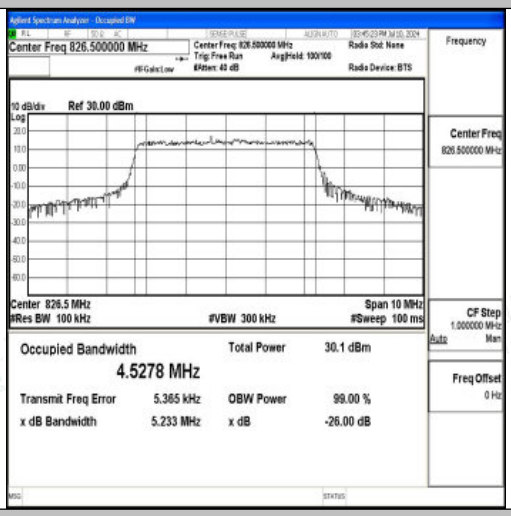
Band5-3MHz-QPSK-20635-15RB#0-PASS



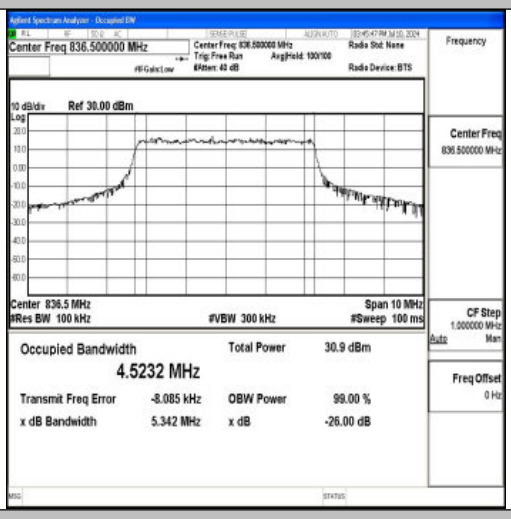
Band5-3MHz-16QAM-20635-15RB#0-PASS



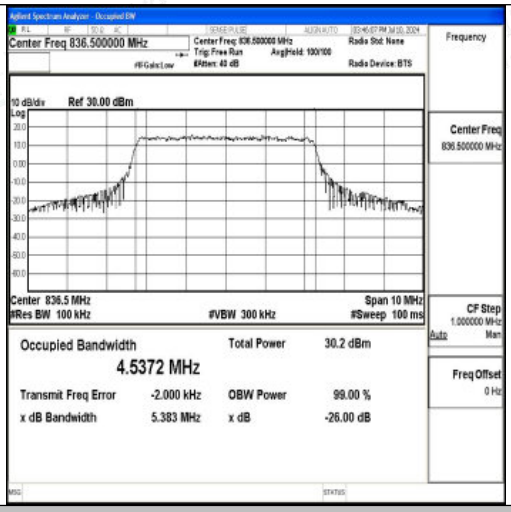
Band5-5MHz-QPSK-20425-25RB#0-PASS



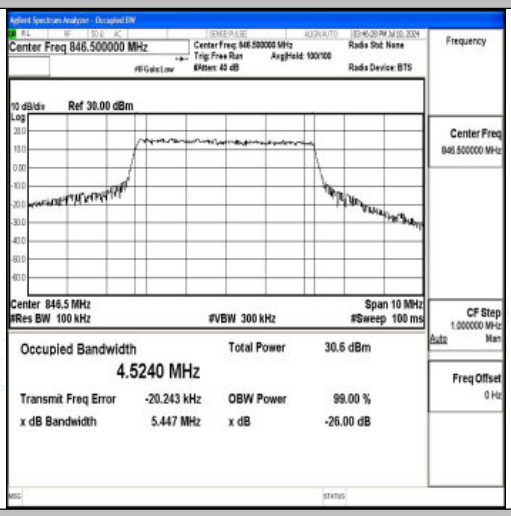
Band5-5MHz-16QAM-20425-25RB#0-PASS



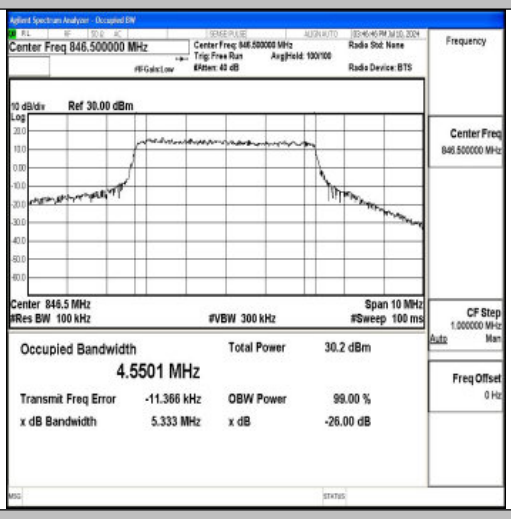
Band5-5MHz-QPSK-20525-25RB#0-PASS



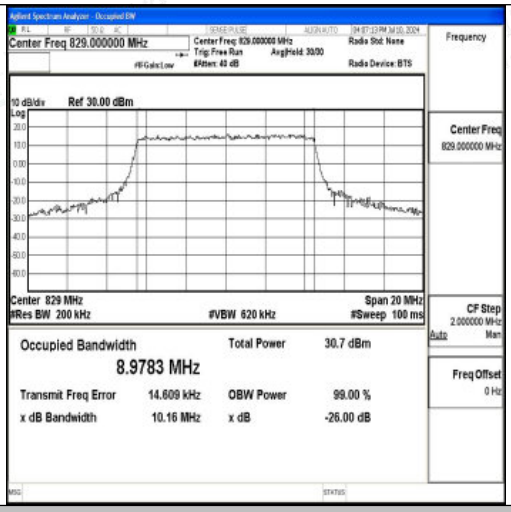
Band5-5MHz-16QAM-20525-25RB#0-PASS



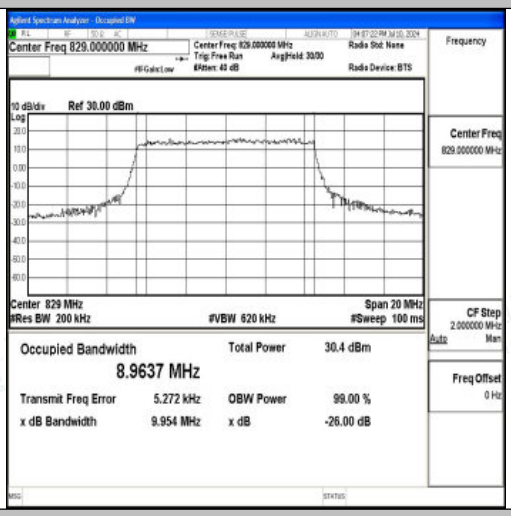
Band5-5MHz-QPSK-20625-25RB#0-PASS



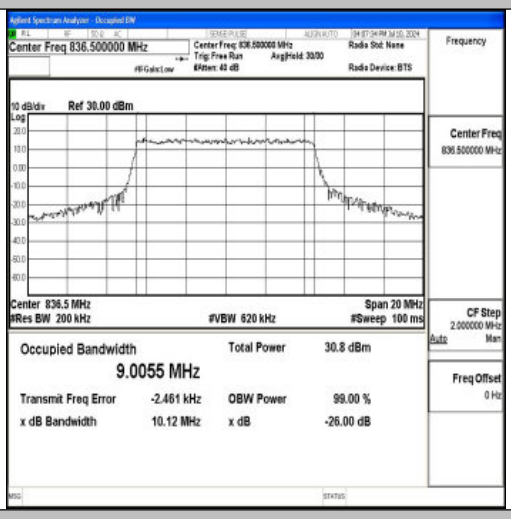
Band5-5MHz-16QAM-20625-25RB#0-PASS



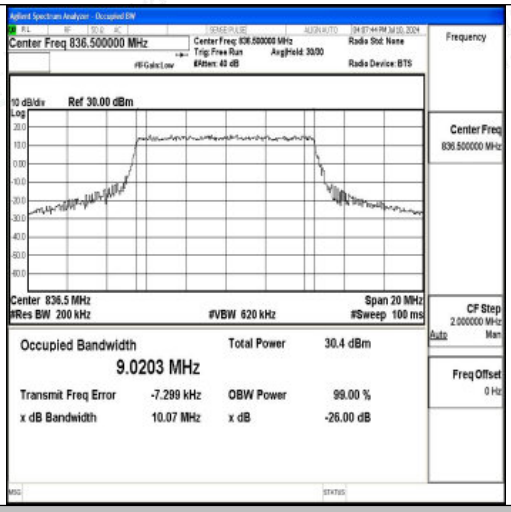
Band5-10MHz-QPSK-20450-50RB#0-PASS



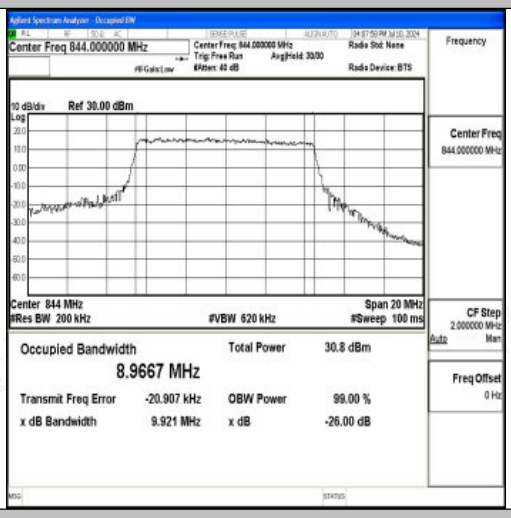
Band5-10MHz-16QAM-20450-50RB#0-PASS



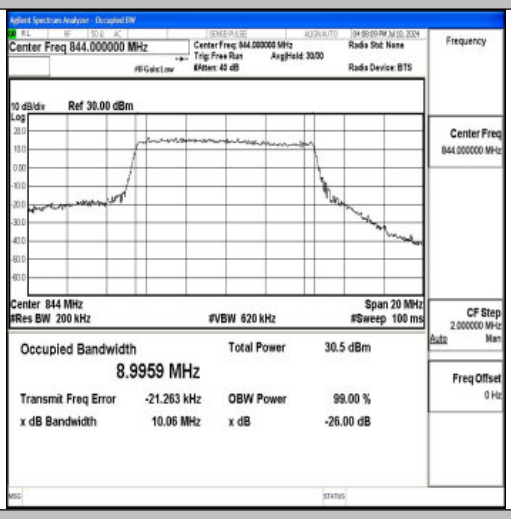
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



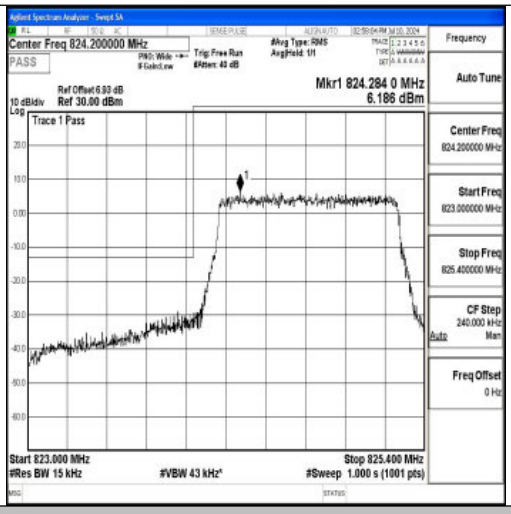
Band5-10MHz-16QAM-20600-50RB#0-PASS

H.4 Band Edge

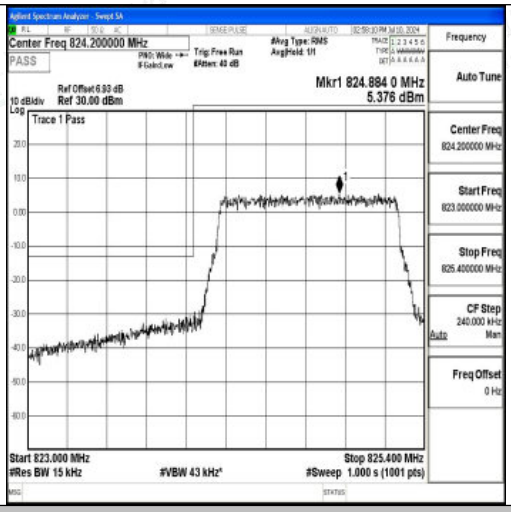
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.91	-28.95	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.98	-30.41	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.01	-26.78	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.05	-26.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.99	-24.83	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.99	-25.28	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.01	-25.72	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.01	-24.24	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.95	-29.28	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.99	-29.82	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.02	-29.03	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.01	-28.15	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.96	-33.08	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-33.98	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.01	-31.58	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.07	-32.98	PASS

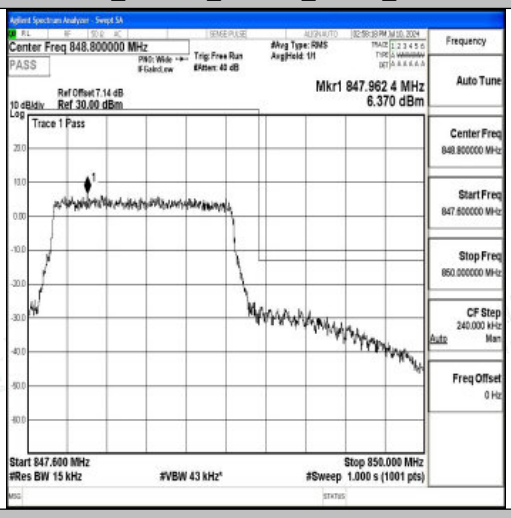
Test Graphs



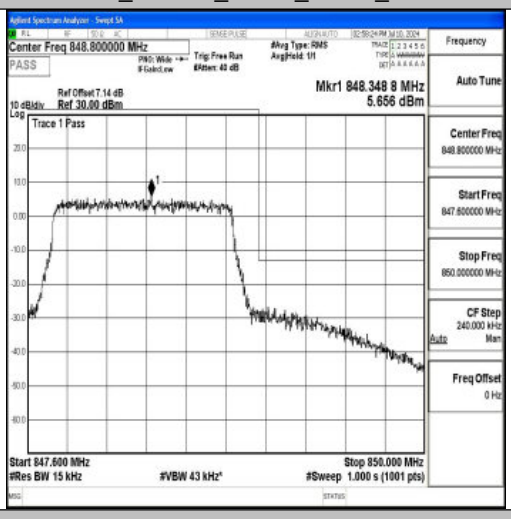
Band5_1.4MHz_QPSK_20407_6RB#0



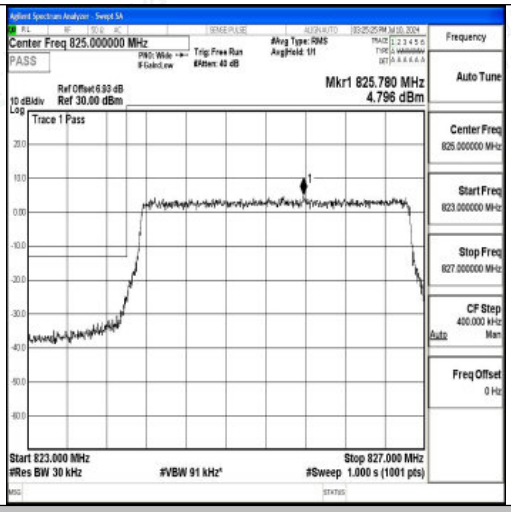
Band5_1.4MHz_16QAM_20407_6RB#0



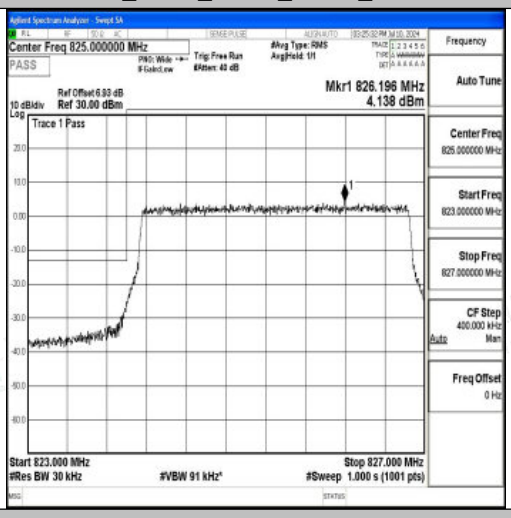
Band5_1.4MHz_QPSK_20643_6RB#0



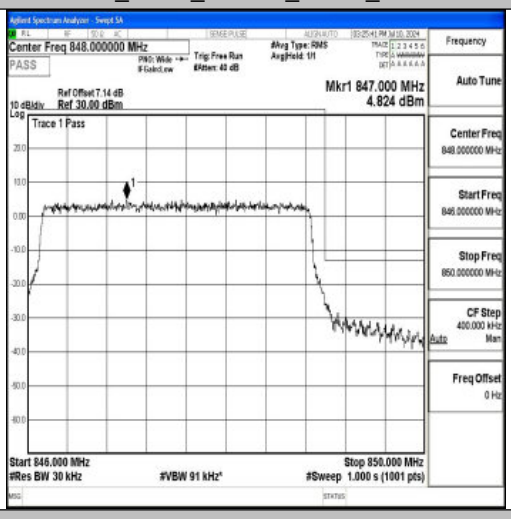
Band5_1.4MHz_16QAM_20643_6RB#0



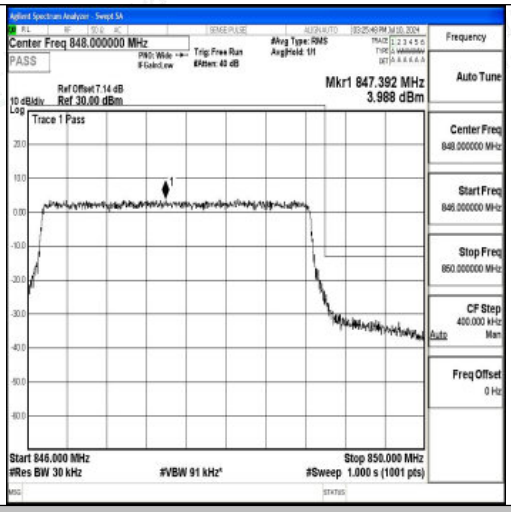
Band5_3MHz_QPSK_20415_15RB#0



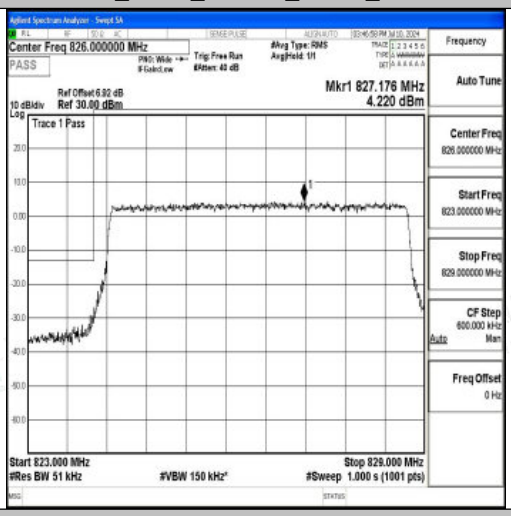
Band5_3MHz_16QAM_20415_15RB#0



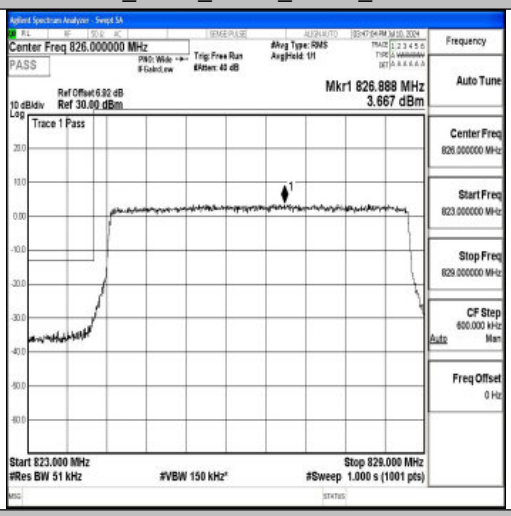
Band5_3MHz_QPSK_20635_15RB#0



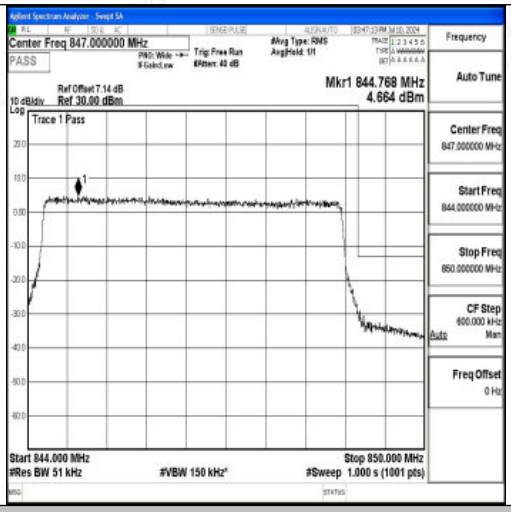
Band5_3MHz_16QAM_20635_15RB#0



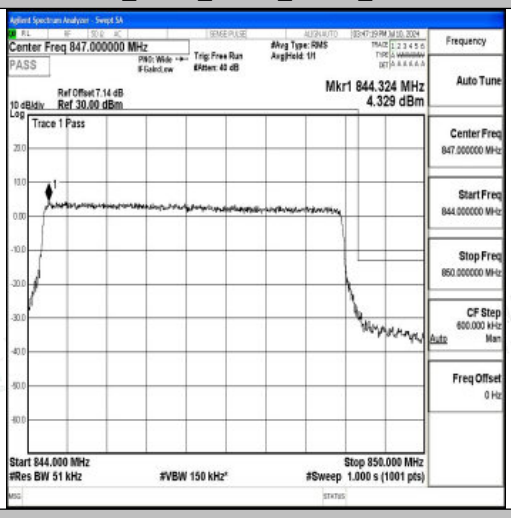
Band5_5MHz_QPSK_20425_25RB#0



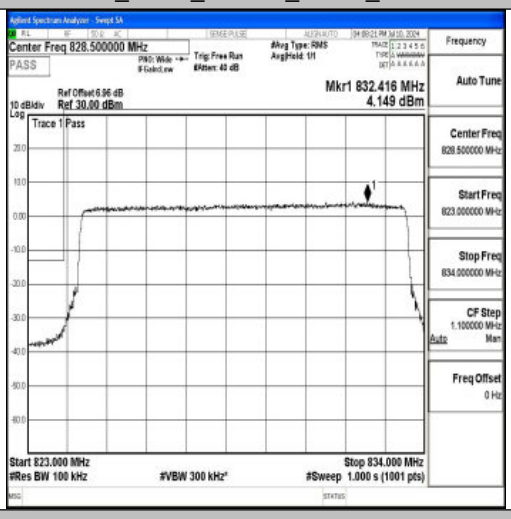
Band5_5MHz_16QAM_20425_25RB#0



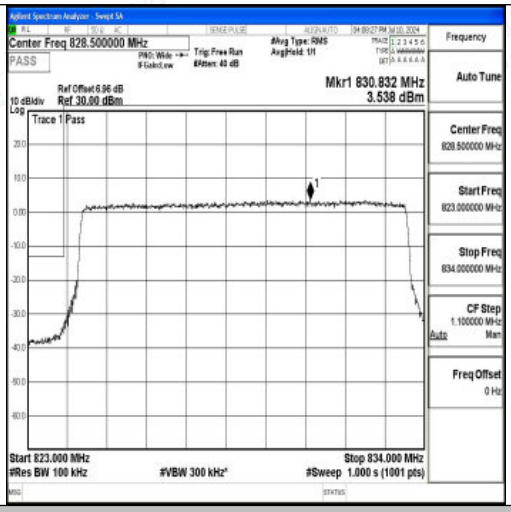
Band5_5MHz_QPSK_20625_25RB#0



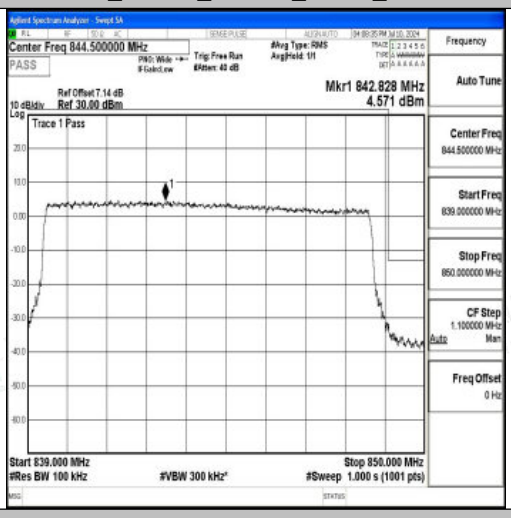
Band5_5MHz_16QAM_20625_25RB#0



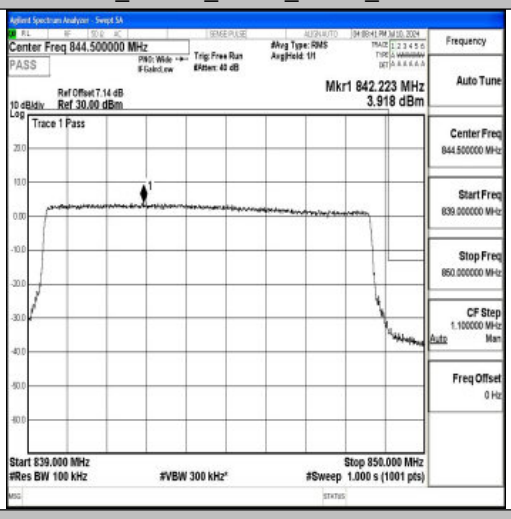
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

H.5 Conducted Spurious Emission

Test Result

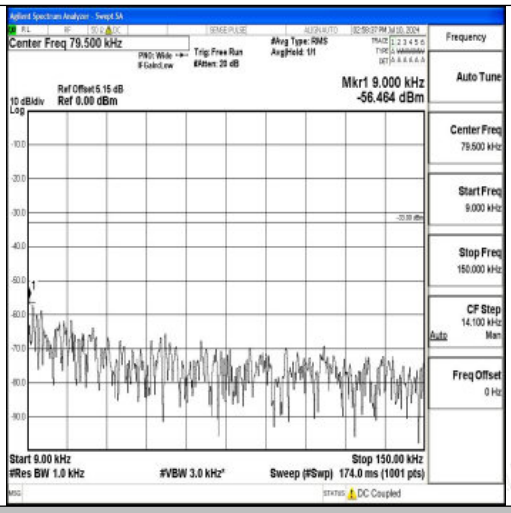
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-56.46	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-52.63	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-46.85	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-42.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-56.49	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-52.18	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-47.23	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-40.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-43.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-56.90	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-52.93	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-45.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-43.02	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-44.10	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-58.19	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-52.37	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-46.27	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-43.03	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-43.95	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-58.00	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-51.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-43.36	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-40.52	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-57.79	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-51.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-44.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-41.41	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-44.19	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-57.06	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-51.18	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-50.16	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-41.89	PASS

Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-44.04	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-57.50	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-53.30	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-48.22	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-41.00	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-44.12	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-55.78	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-52.86	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-50.89	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-43.44	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.14	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-59.38	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-51.37	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-49.22	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-41.83	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-44.24	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-58.20	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-52.44	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-46.99	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-41.73	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.15	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-58.09	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-50.04	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-46.52	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-40.56	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-43.71	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-59.27	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-52.33	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-58.35	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-39.47	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.30	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-53.50	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-53.15	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-58.27	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-39.24	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-44.10	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-55.73	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-51.14	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-60.00	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-42.56	PASS

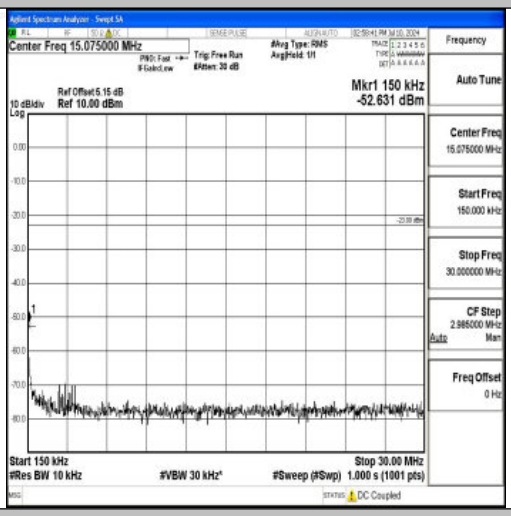
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-43.93	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-58.47	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-50.48	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-59.16	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-44.13	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-44.15	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-57.81	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-51.94	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-57.36	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-43.94	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-44.32	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-58.80	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-52.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-56.96	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-44.03	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.37	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-61.04	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-54.36	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-62.09	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-42.56	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-43.97	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-55.44	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-51.91	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-62.12	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-41.01	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.09	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-59.82	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-50.99	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-61.87	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-42.80	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-43.84	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-58.31	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-52.92	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-62.11	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-41.09	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-44.08	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-58.20	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-53.67	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-62.18	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-44.97	PASS

Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-43.94	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-58.48	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-51.04	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-62.13	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-45.38	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.24	PASS

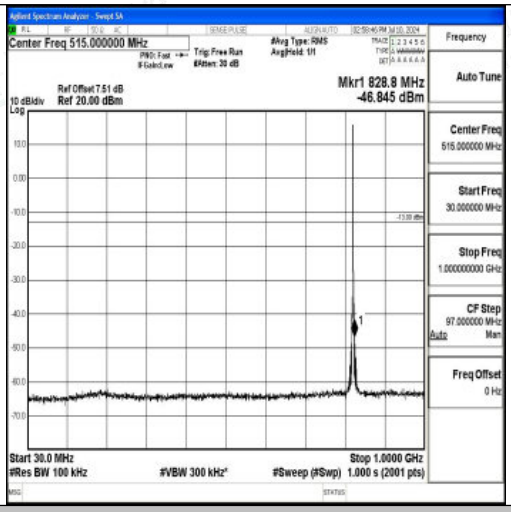
Test Graphs



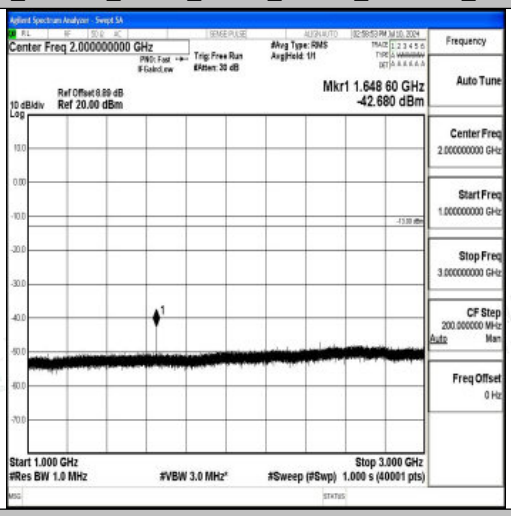
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



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



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



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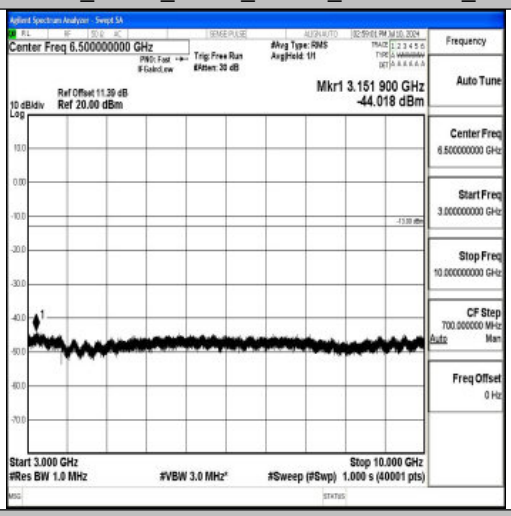

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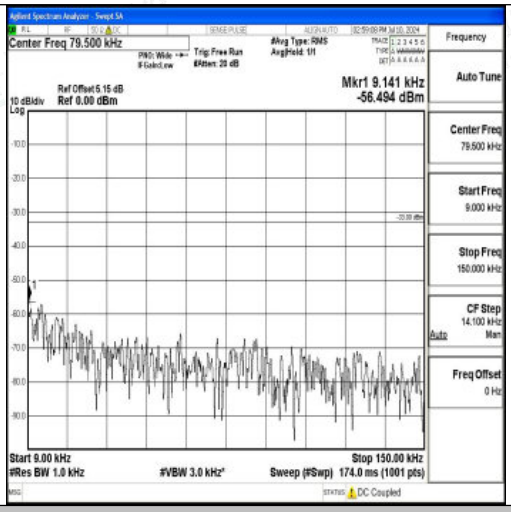
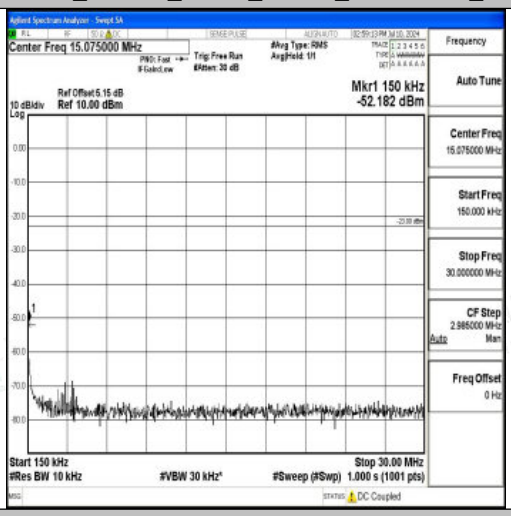
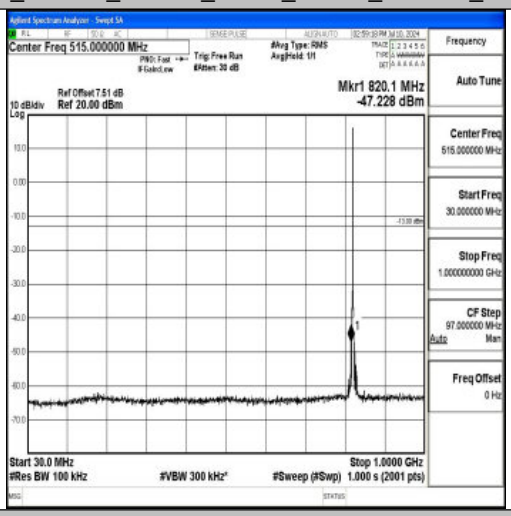


Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15



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



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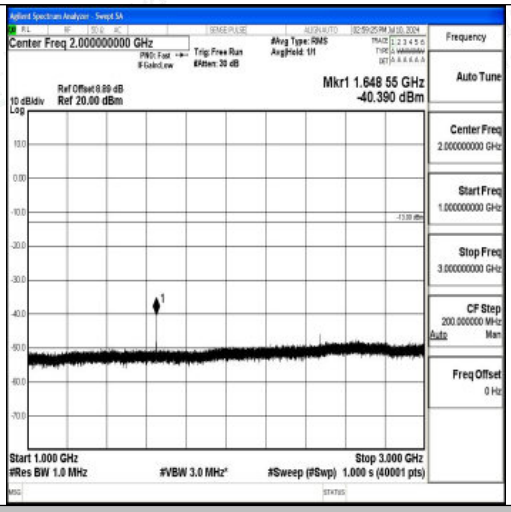
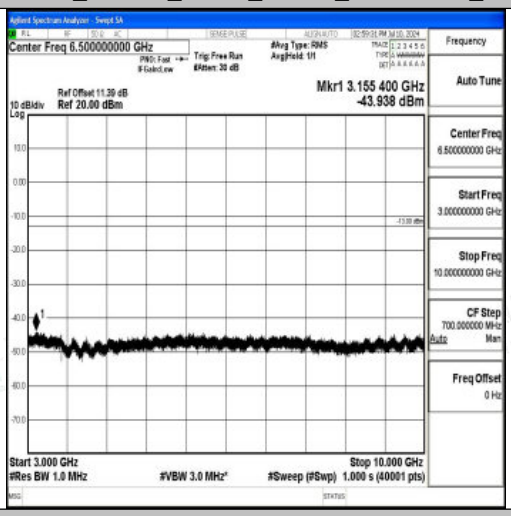


Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000



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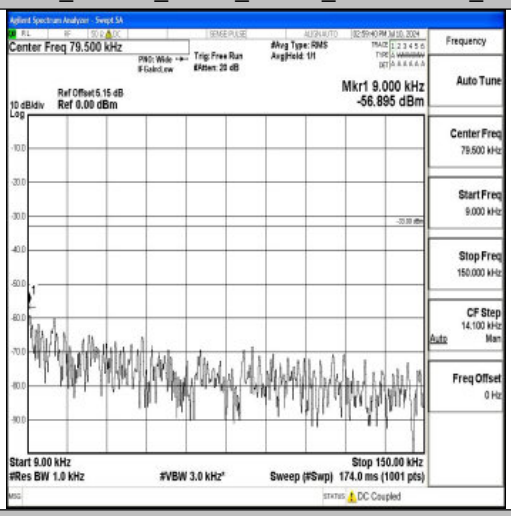

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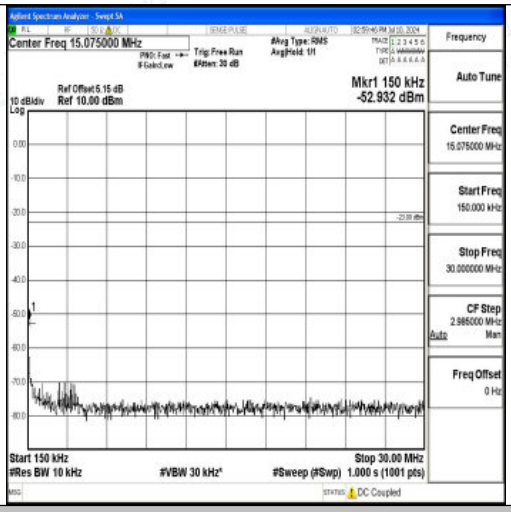

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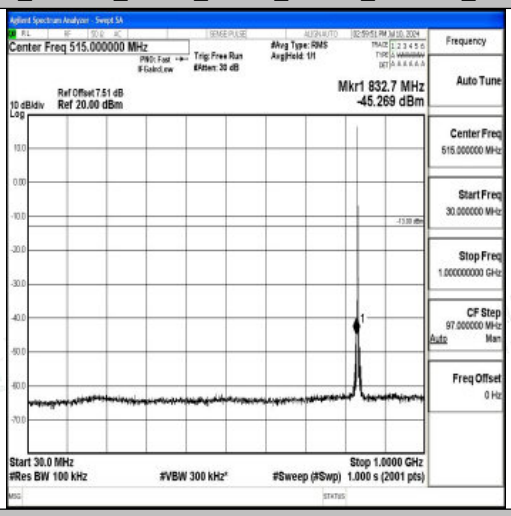

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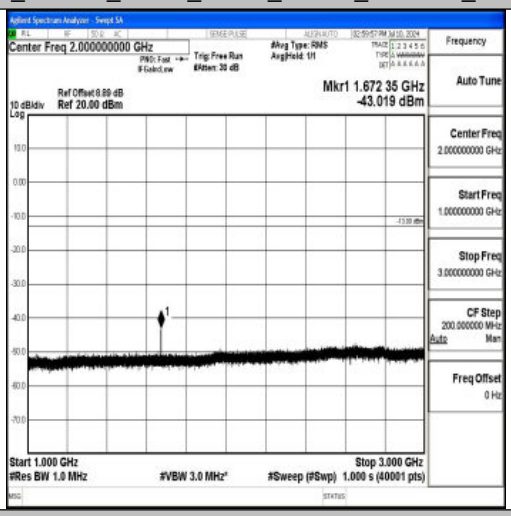
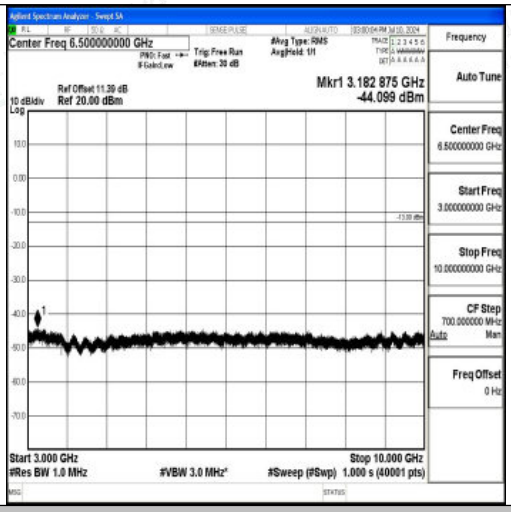
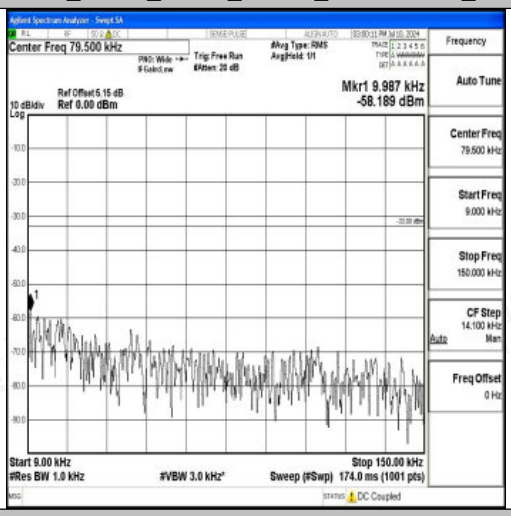


Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000



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



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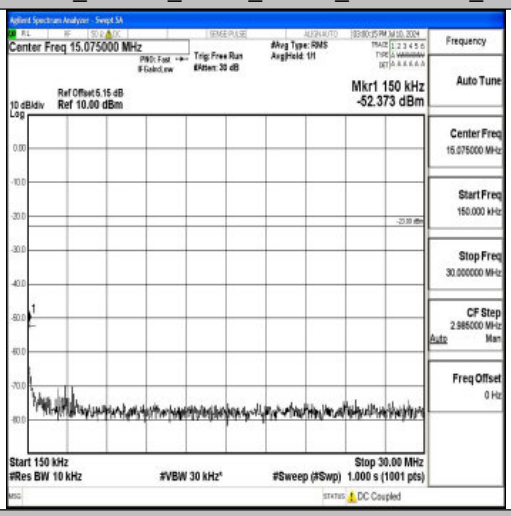

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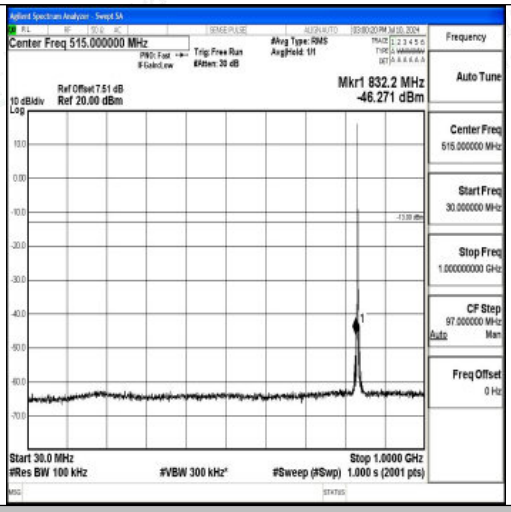
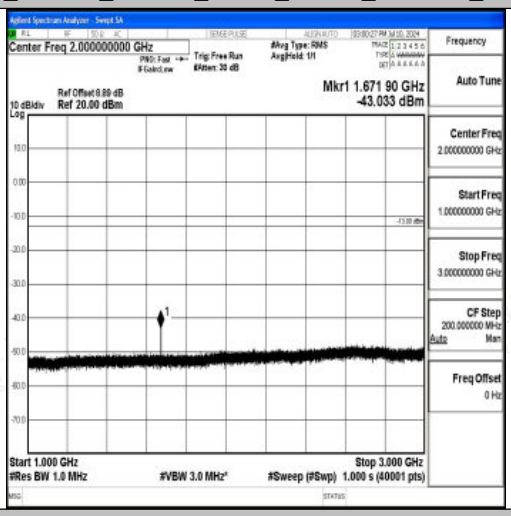


Band5_1.4MHz_16QAM_20525_1RB#0_30~1000_30~1000



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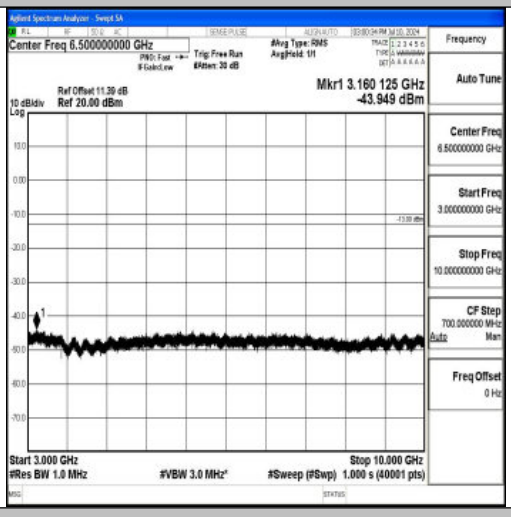
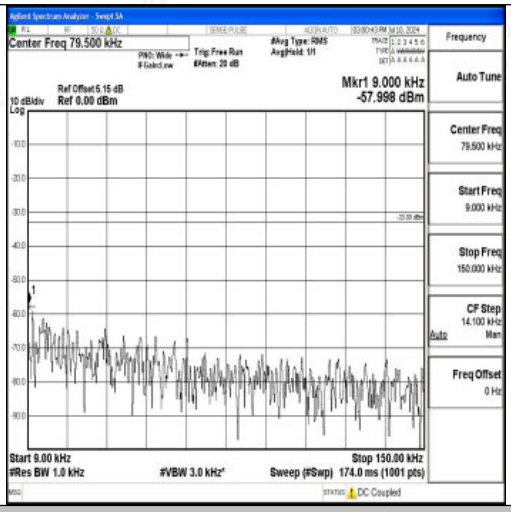


Band5_1.4MHz_16QAM_20525_1RB#0_3000~10000_3000~10000



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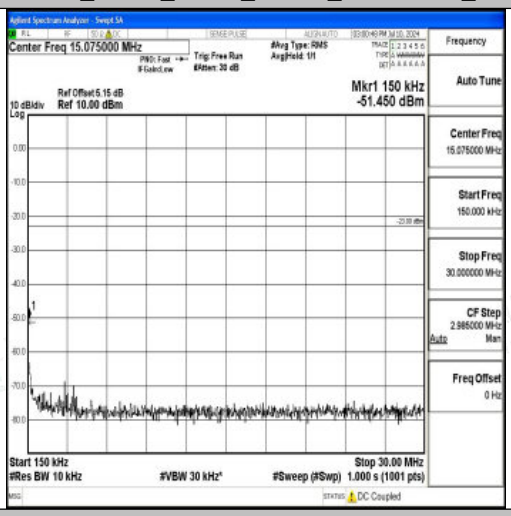
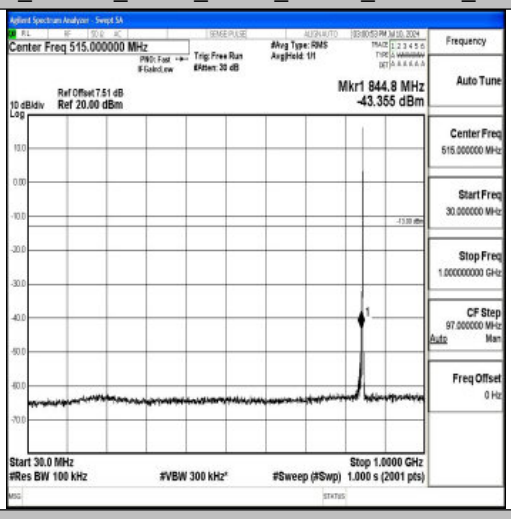


Band5_1.4MHz_QPSK_20643_1RB#0_0.15~30_0.15~30



Band5_1.4MHz_QPSK_20643_1RB#0_30~1000_30~1000