Appendix J: Test Data for E-UTRA Band 5

Product Name: Fixed wireless phone

Test Model: HP15

Environmental Conditions

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

J.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.60	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.51	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.44	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.79	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.57	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.73	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.57	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.88	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.54	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.94	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.92	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.37	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.52	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.74	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.08	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.71	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.07	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.85	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.98	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.39	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.27	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.16	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.99	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.72	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.03	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.82	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.40	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.01	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.37	PASS

Band5	1.4MHz	16QAM	20643	3RB#1	23.00	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.37	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.17	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.70	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.32	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.70	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.33	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.70	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.32	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.52	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.33	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.12	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.54	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.12	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.48	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.03	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.43	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.90	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.53	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.21	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.39	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.26	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.46	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.13	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.64	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.28	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.49	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.29	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.64	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.29	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.77	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.93	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.42	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.62	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.42	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.49	PASS
Band5	3MHz	QPSK	20635	1RB#14	21.99	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.84	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.84	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.37	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.86	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.30	PASS

Band5	3MHz	QPSK	20635	8RB#7	22.73	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.19	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.78	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.41	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.33	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.10	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.38	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.19	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.40	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.16	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.48	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.87	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.55	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.88	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.44	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.86	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.48	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.03	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.27	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.21	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.27	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.92	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.70	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.12	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.69	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.09	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.72	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.21	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.60	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.29	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.60	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.09	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.92	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.35	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.76	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.58	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.19	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.80	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.29	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.74	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.33	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.58	PASS

Band5	5MHz	16QAM	20625	12RB#13	22.10	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.69	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.15	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.26	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.83	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.33	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.92	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.21	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.01	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.38	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.79	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.54	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.96	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.86	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.43	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.88	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.48	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.02	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.17	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.50	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.30	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.54	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.25	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.56	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.10	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.61	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.21	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.54	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.05	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.53	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.55	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.44	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.52	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.97	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.82	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.89	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.26	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.65	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.28	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.67	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.27	PASS

Band5	10MHz	QPSK	20600	50RB#0	22.73	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.18	PASS

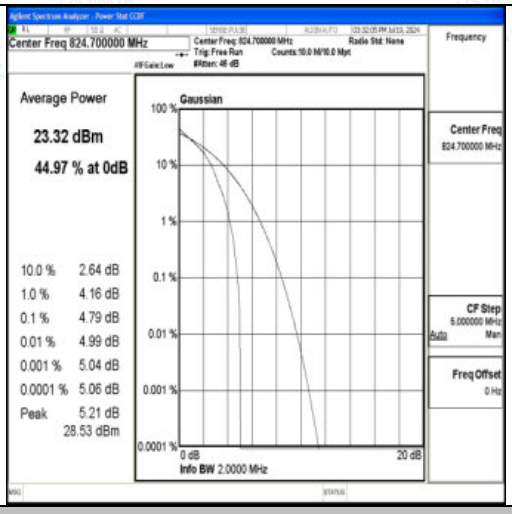
J.2 Peak-to-Average Ratio(CCDF)

Test Result

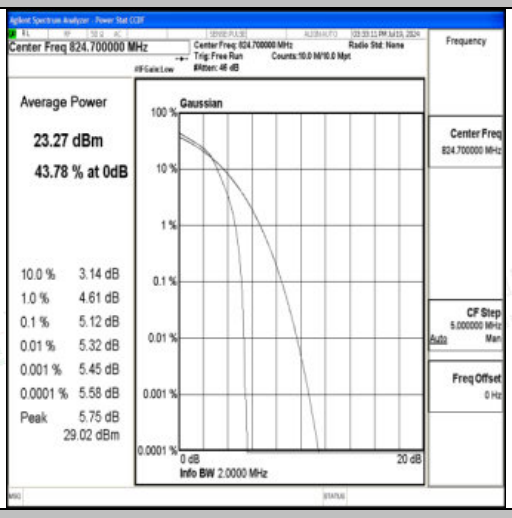
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.79	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.12	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.65	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.24	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.58	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.46	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.46	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.01	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.58	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.34	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3.97	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.81	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.89	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.65	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.74	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.43	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.32	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.54	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.17	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.62	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.58	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.53	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.19	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.16	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.84	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.79	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.40	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.96	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.41	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.23	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.13	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.57	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.28	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.88	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.11	13	PASS

Band5	10MHz	16QAM	20450	1RB#0	5.67	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.67	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.34	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.83	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.81	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.66	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.30	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.77	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.26	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.97	13	PASS

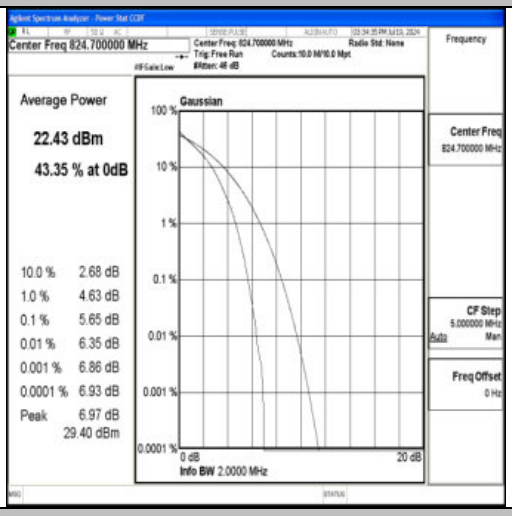
Test Graphs



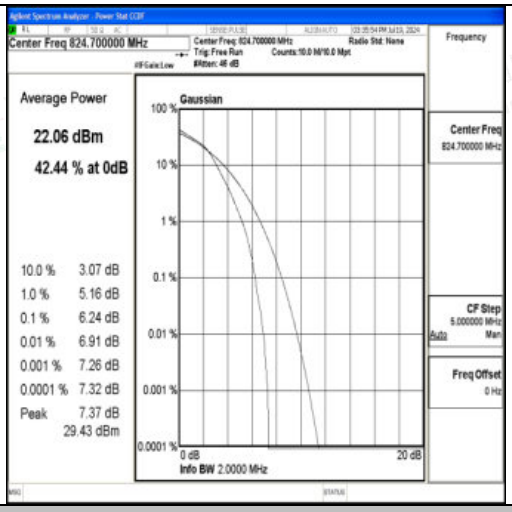
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



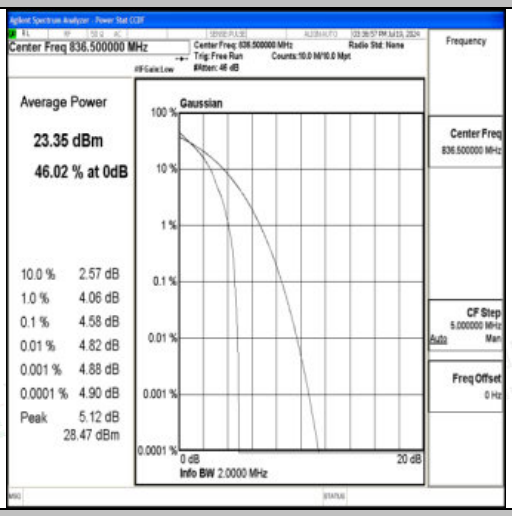
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



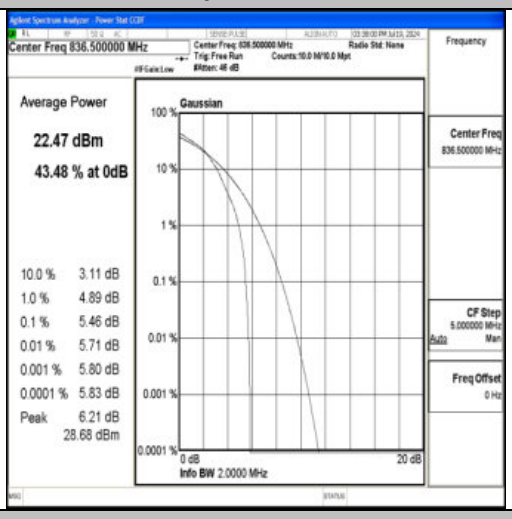
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



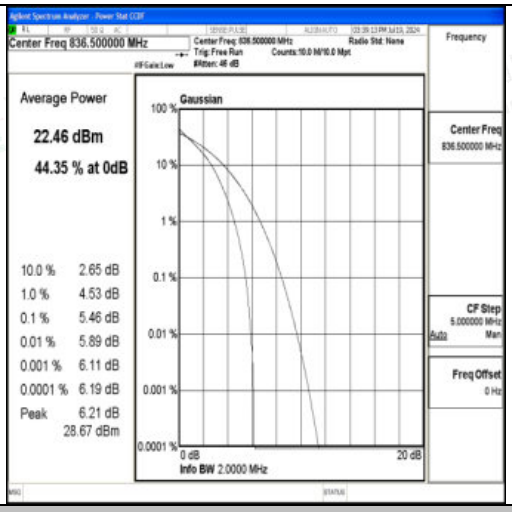
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



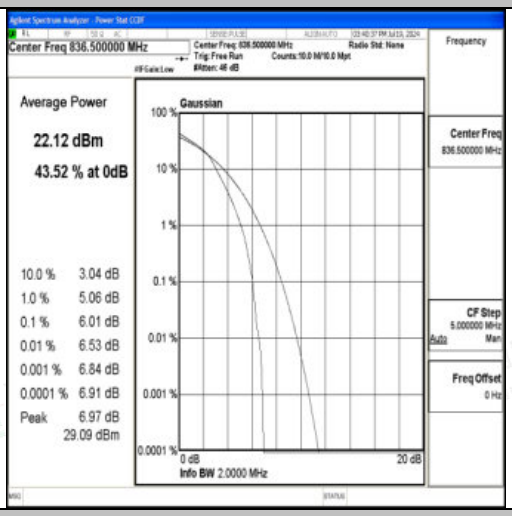
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



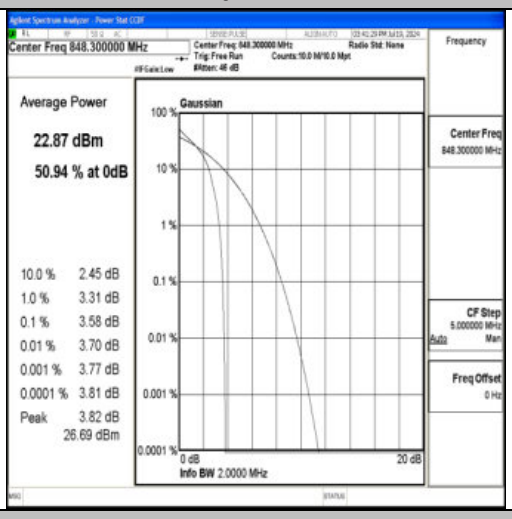
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



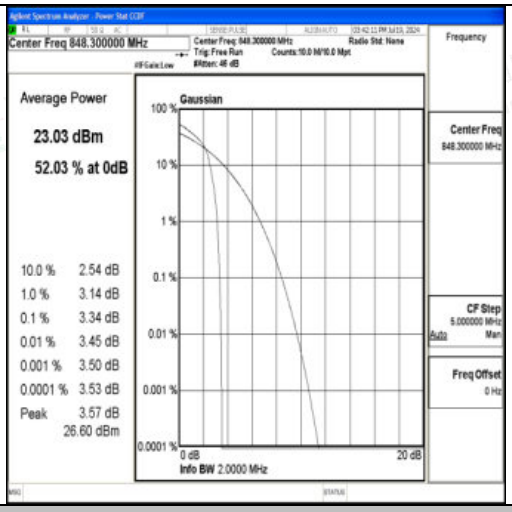
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



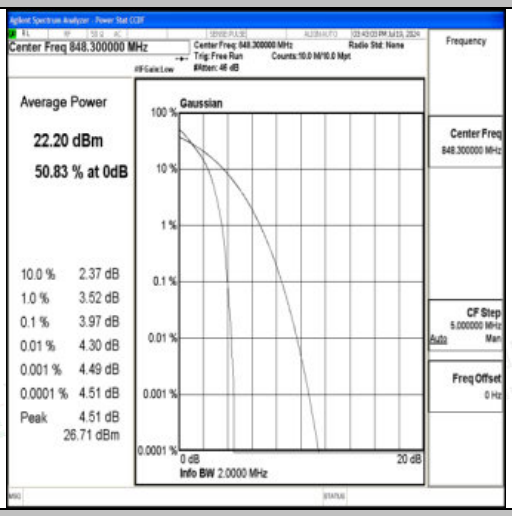
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



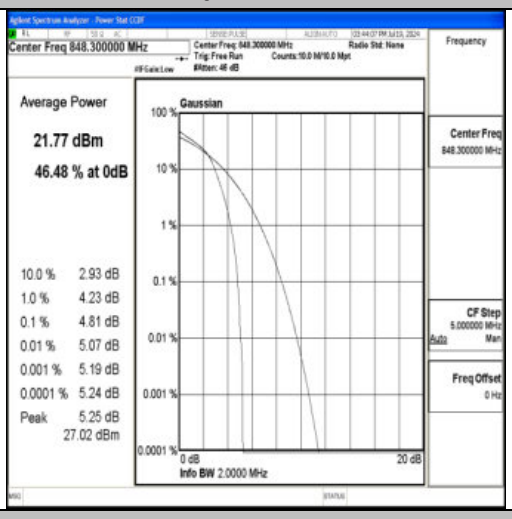
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



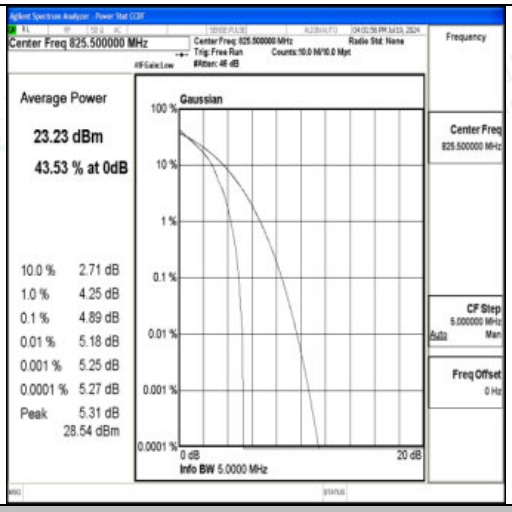
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



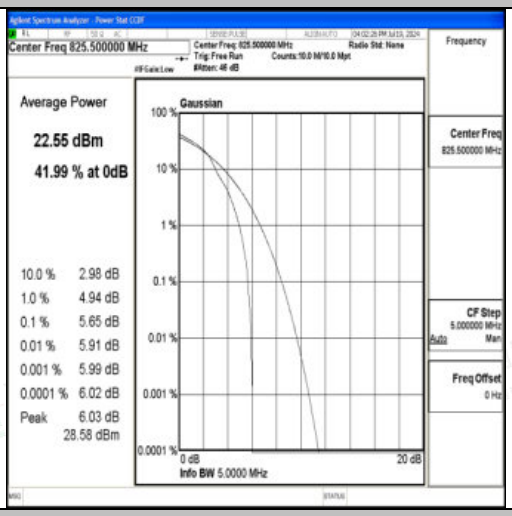
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



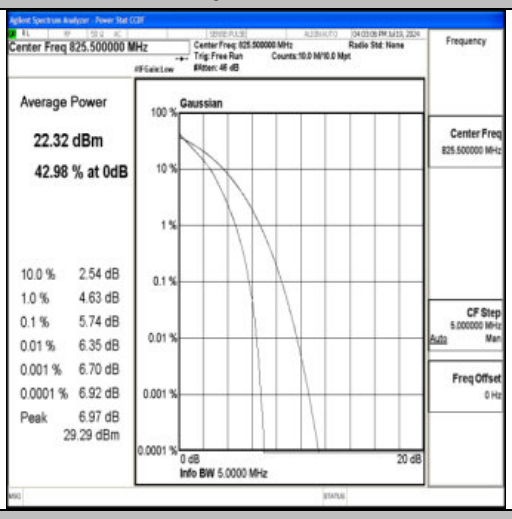
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



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



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



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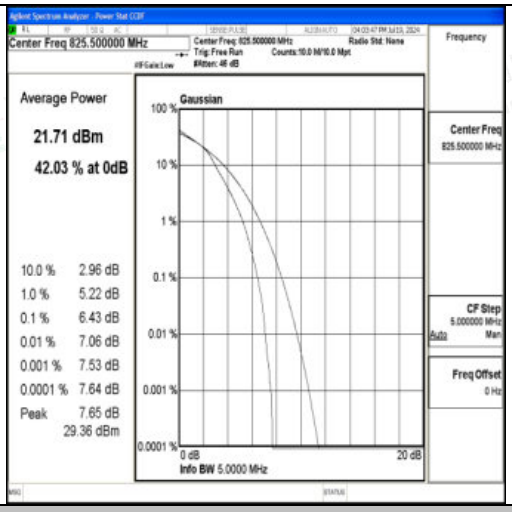

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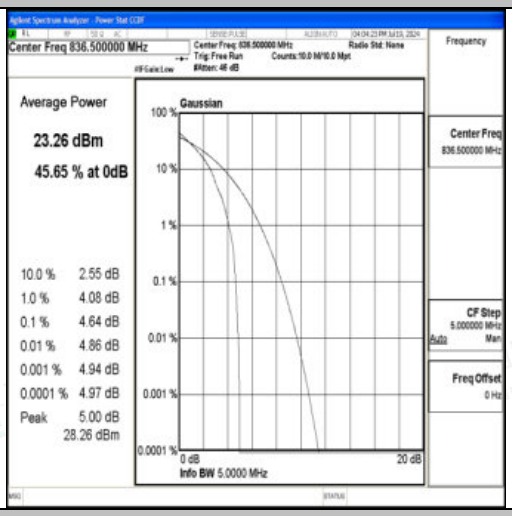
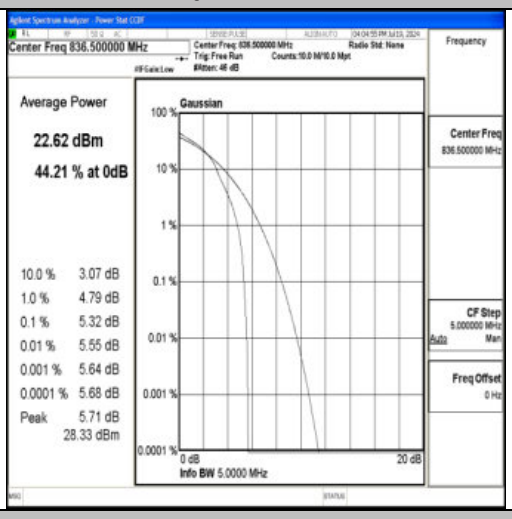


Band5-3MHz-QPSK-20525-1RB#0-PASS



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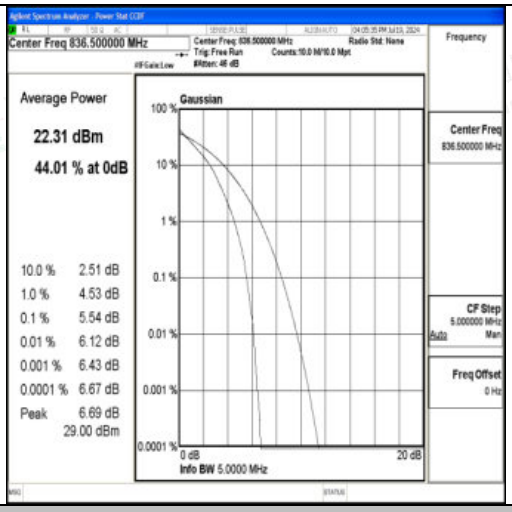

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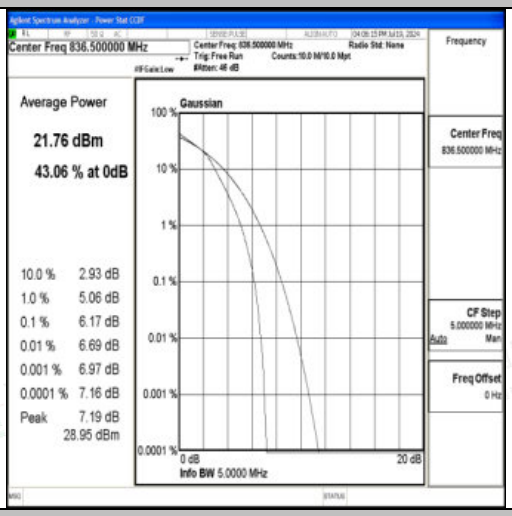
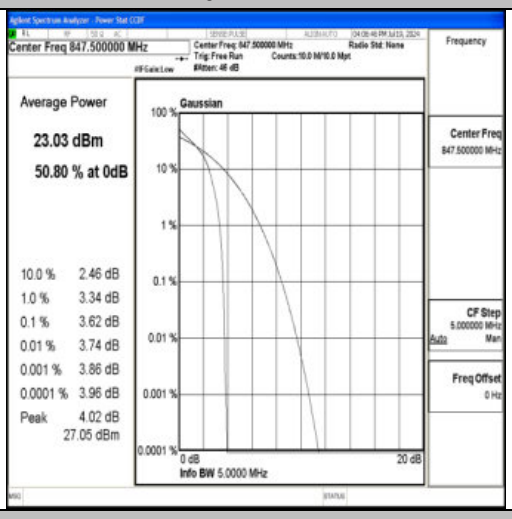
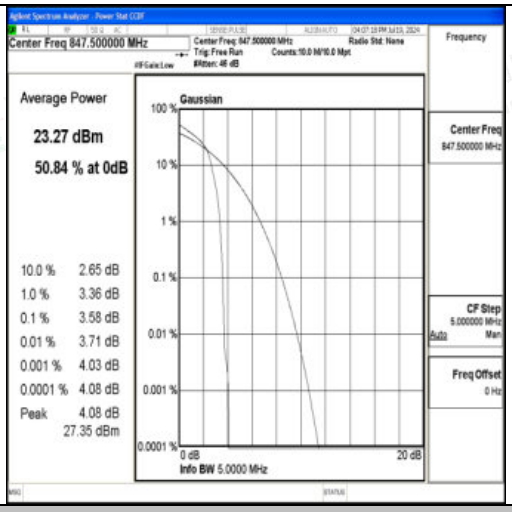


Band5-3MHz-16QAM-20525-15RB#0-PASS



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



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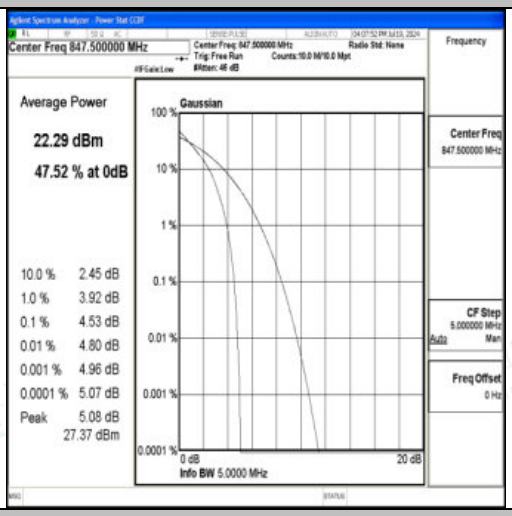

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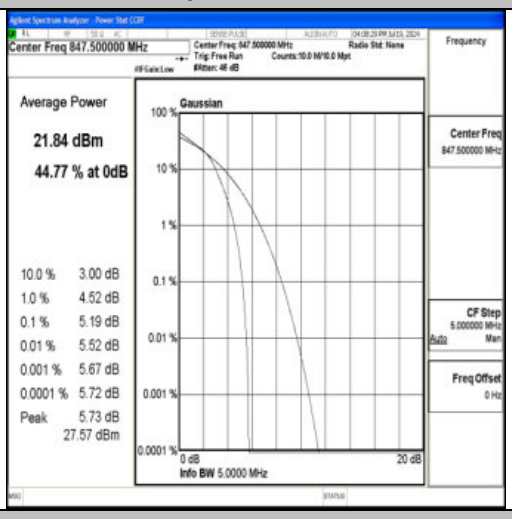

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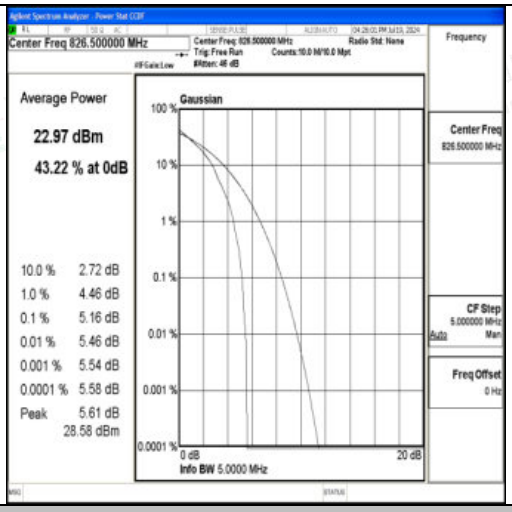
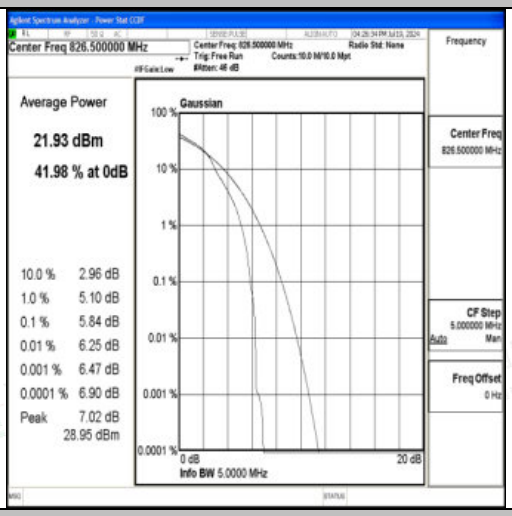


Band5-5MHz-QPSK-20425-1RB#0-PASS



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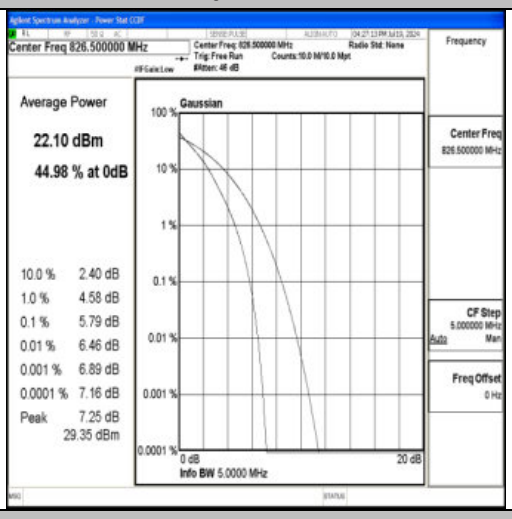
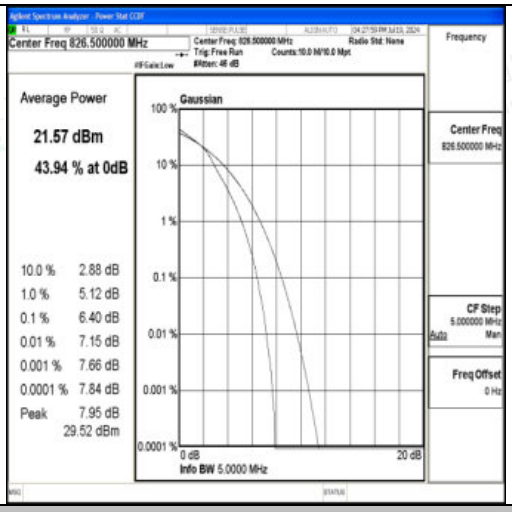
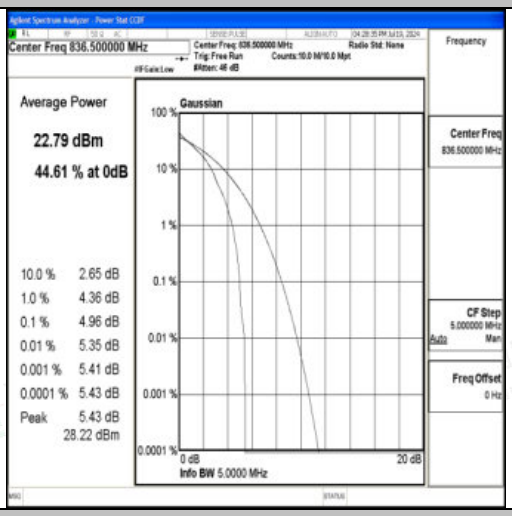


Band5-5MHz-QPSK-20425-25RB#0-PASS



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



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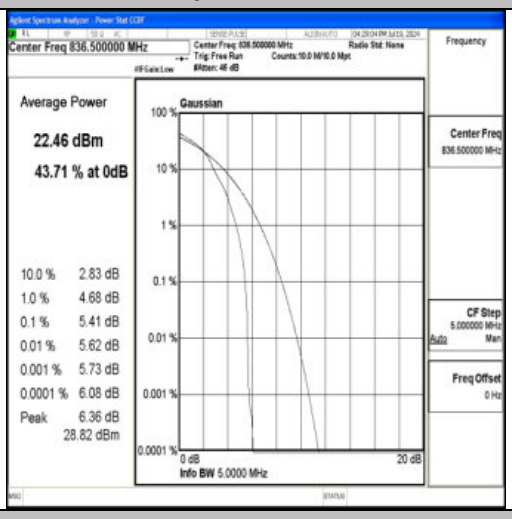
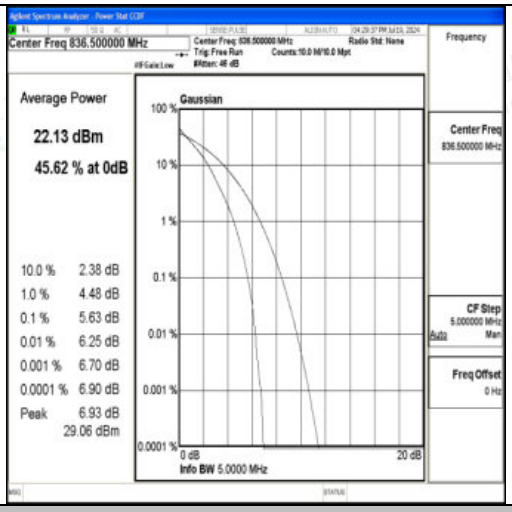


Band5-5MHz-16QAM-20525-1RB#0-PASS



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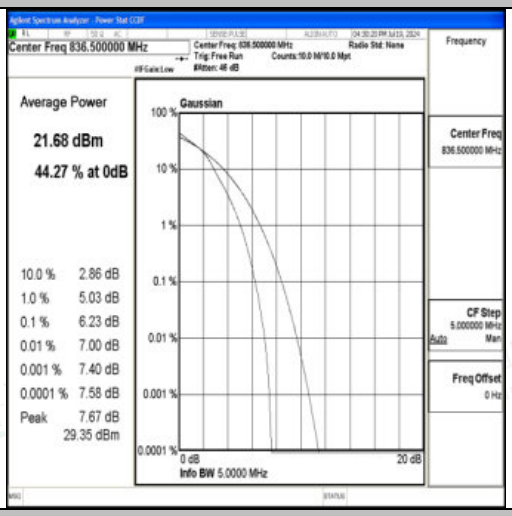

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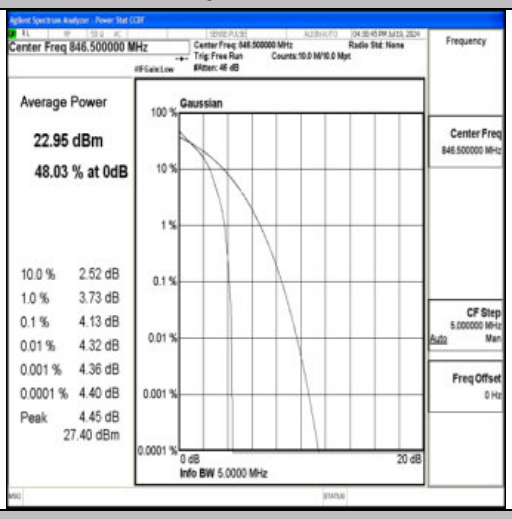

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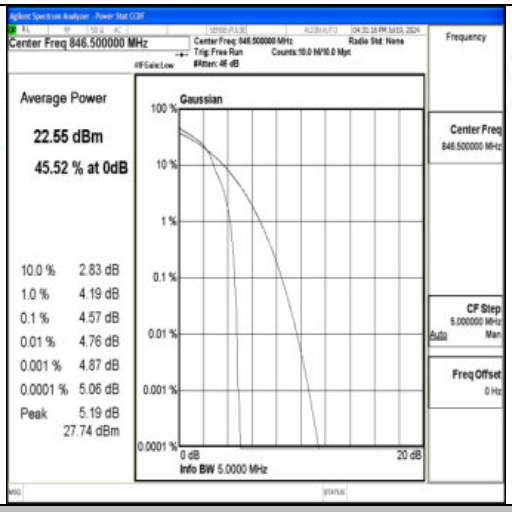

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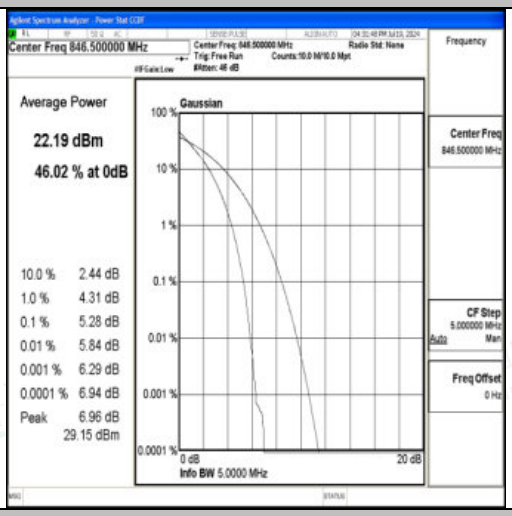

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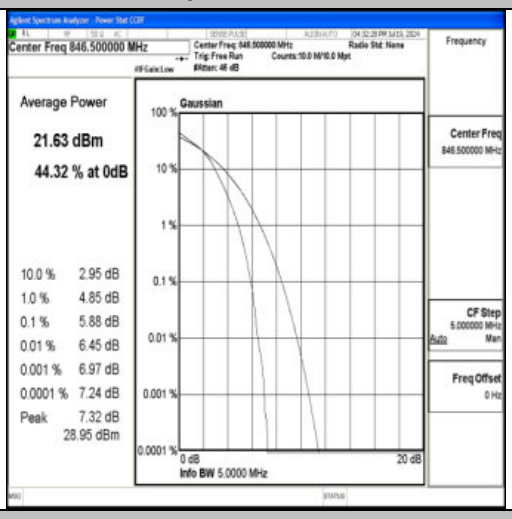

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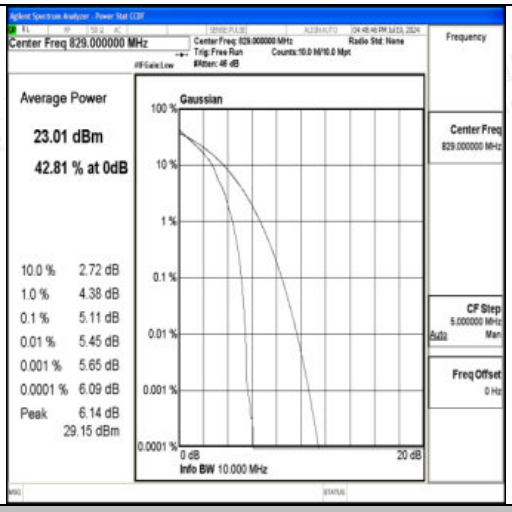
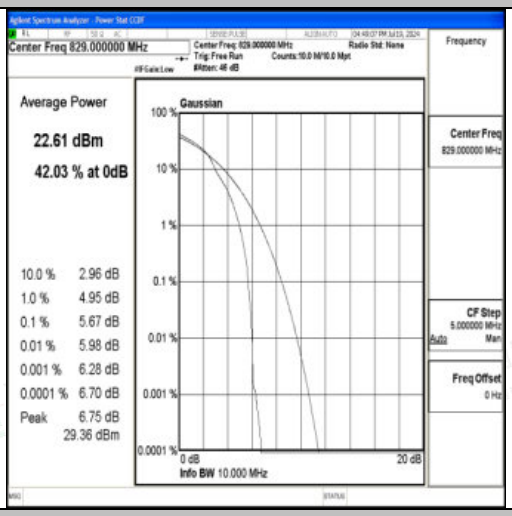


Band5-10MHz-QPSK-20450-1RB#0-PASS



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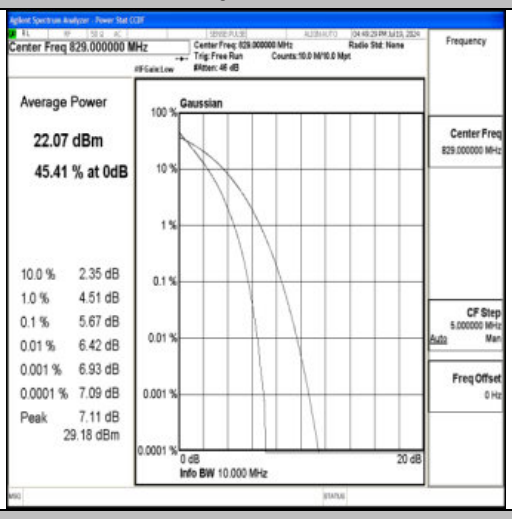
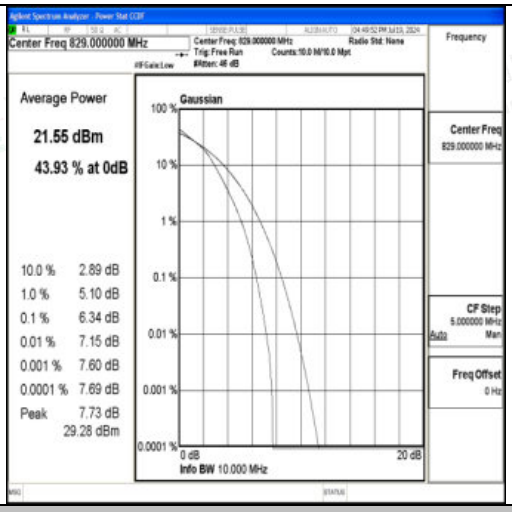


Band5-10MHz-QPSK-20450-50RB#0-PASS



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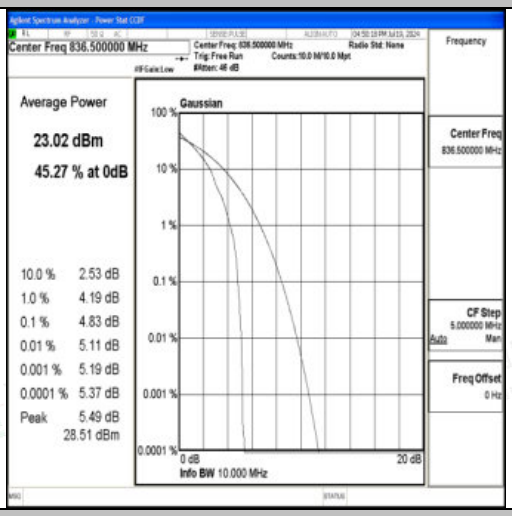

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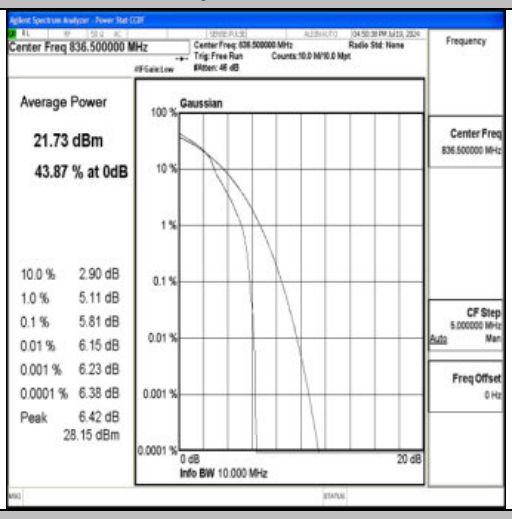

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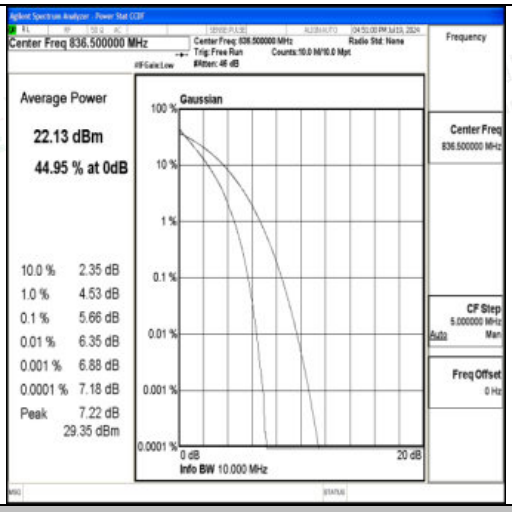

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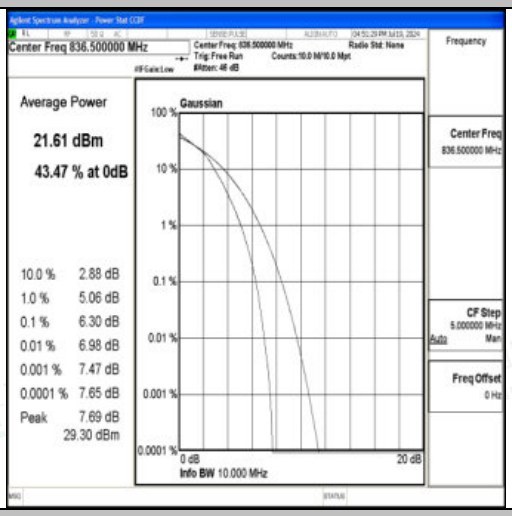

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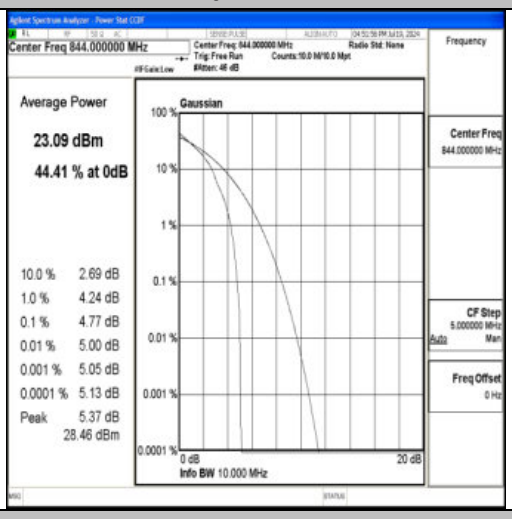
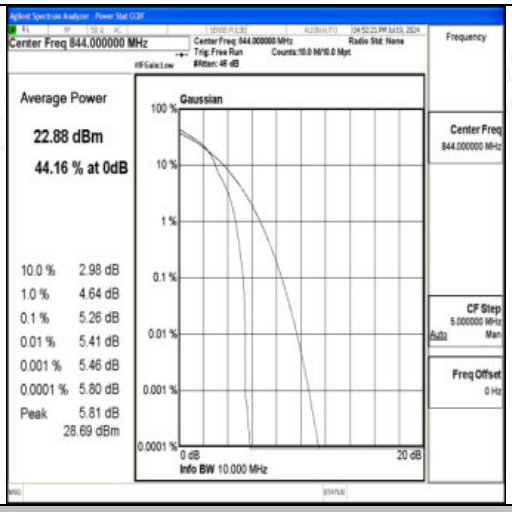
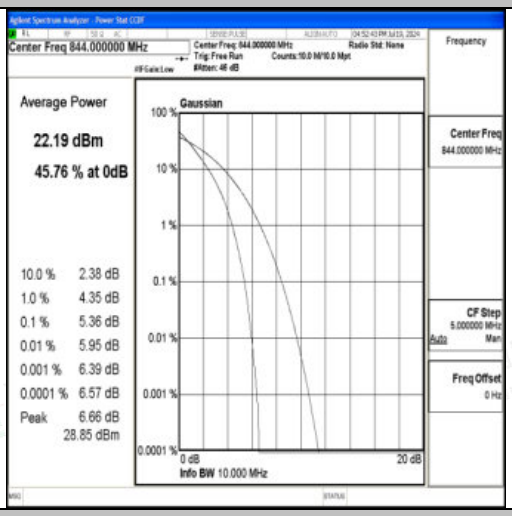


Band5-10MHz-QPSK-20600-1RB#0-PASS



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



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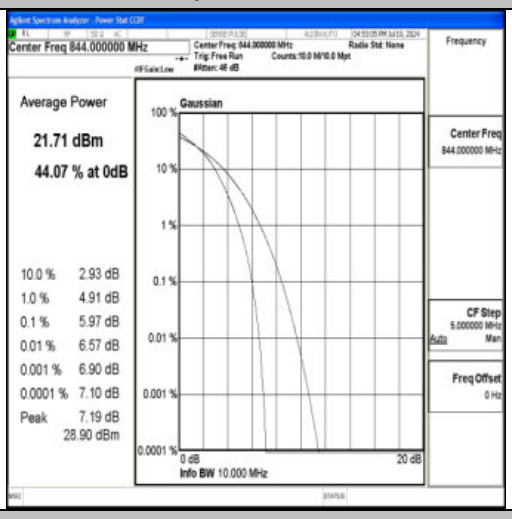


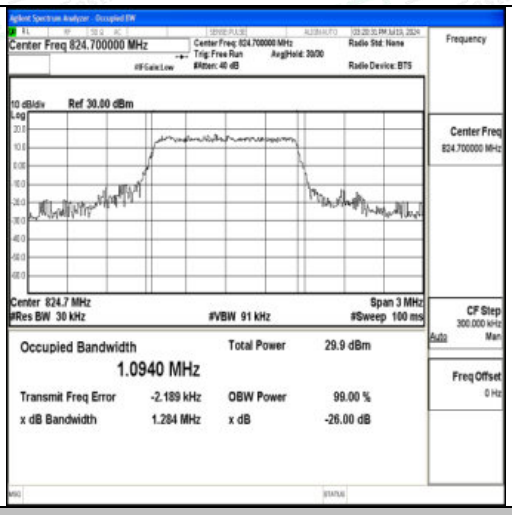
Band5-10MHz-16QAM-20600-50RB#0-PASS

J.3 26dB Bandwidth and Occupied Bandwidth

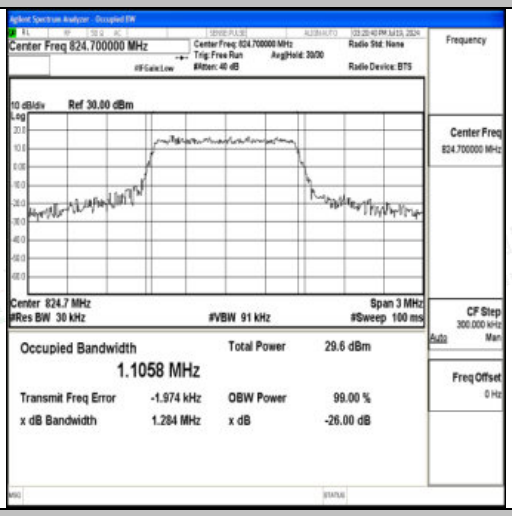
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0940	1.284	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1058	1.284	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0996	1.292	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1004	1.358	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0989	1.306	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0949	1.295	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7229	3.144	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6990	3.139	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7100	3.217	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7070	3.265	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7092	3.162	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7094	3.282	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5199	5.213	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5120	5.285	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5171	5.211	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5380	5.373	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5323	5.407	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5521	5.394	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9870	10.04	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9929	10.04	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0310	10.27	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0242	10.64	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9821	9.920	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0031	10.01	PASS

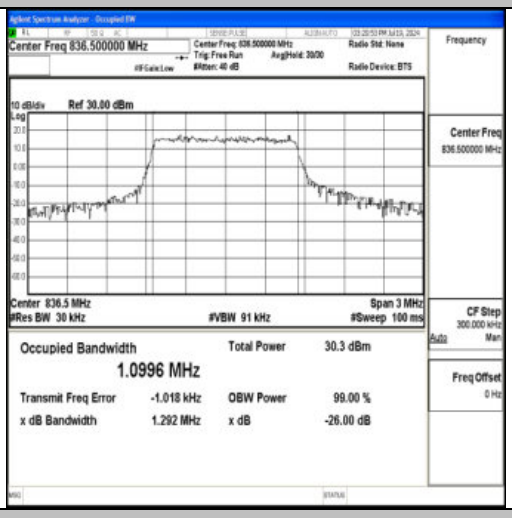
Test Graphs



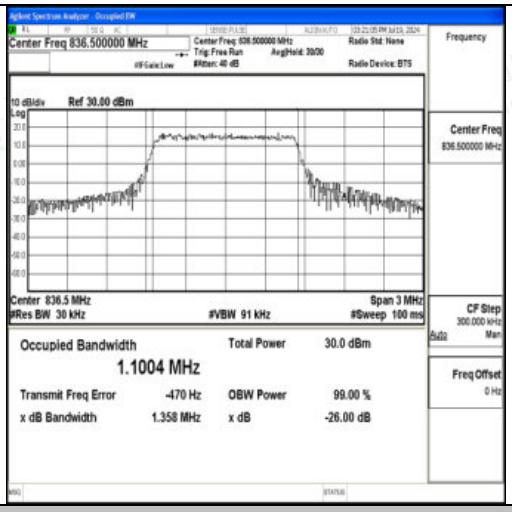
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



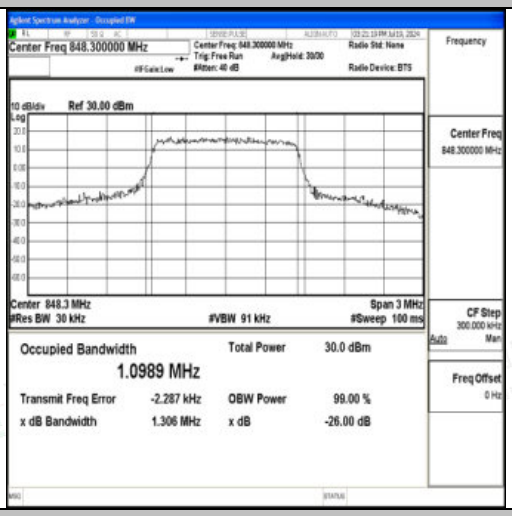
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



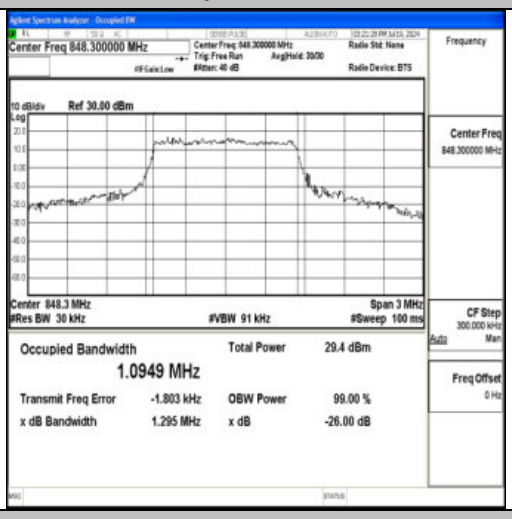
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



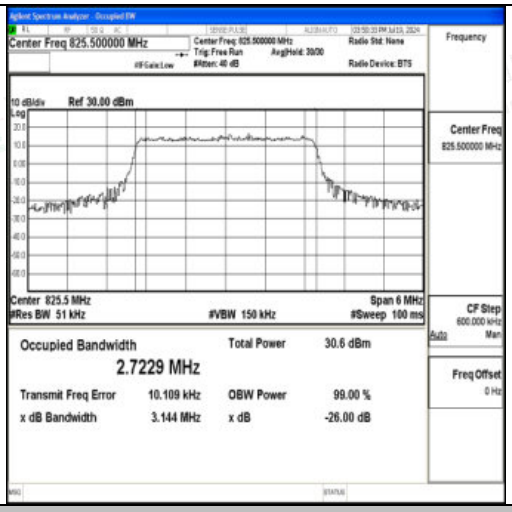
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



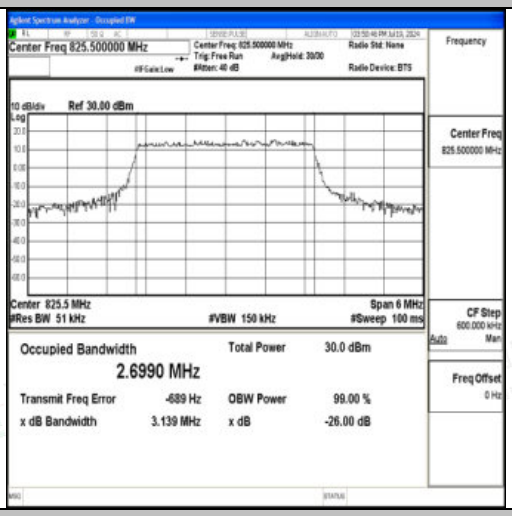
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



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



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



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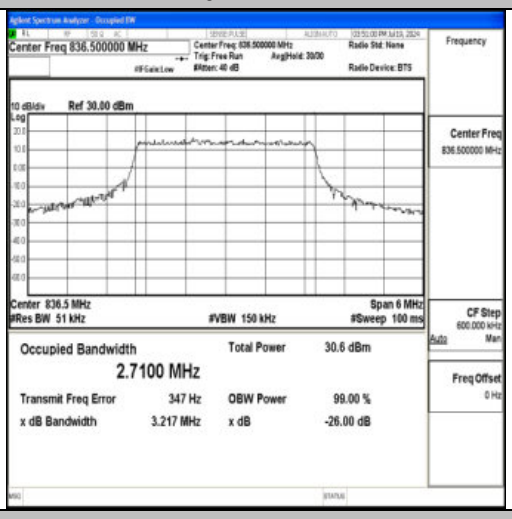
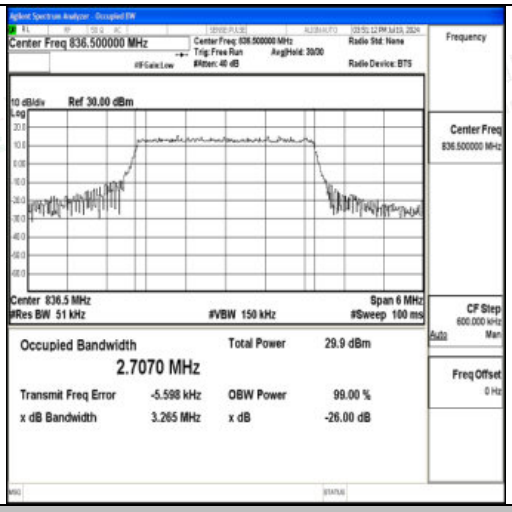
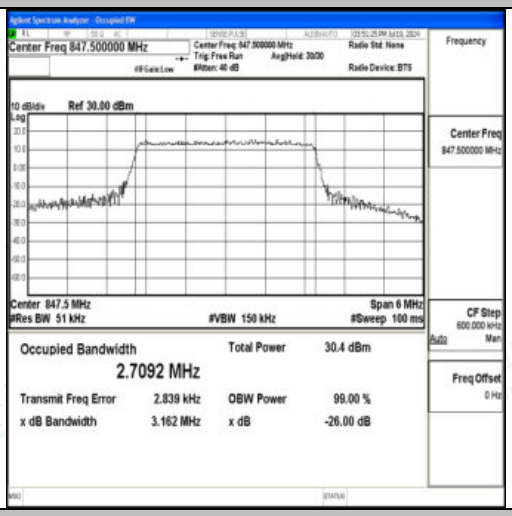


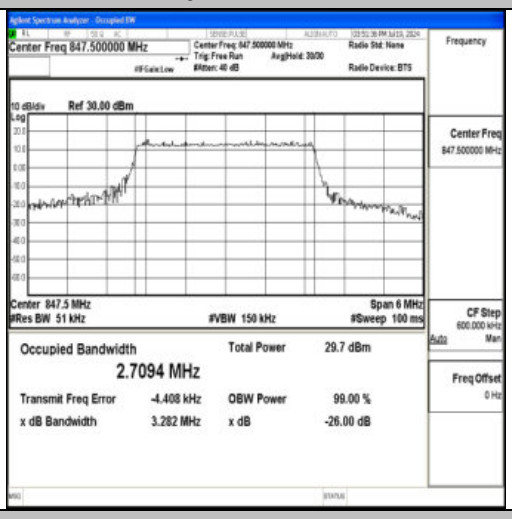
Band5-3MHz-QPSK-20525-15RB#0-PASS



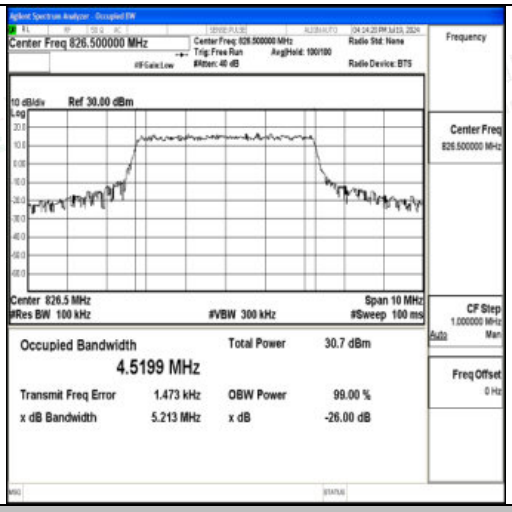
Band5-3MHz-16QAM-20525-15RB#0-PASS



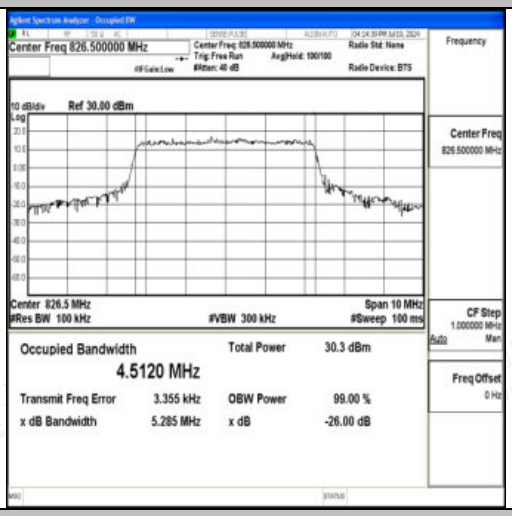
Band5-3MHz-QPSK-20635-15RB#0-PASS



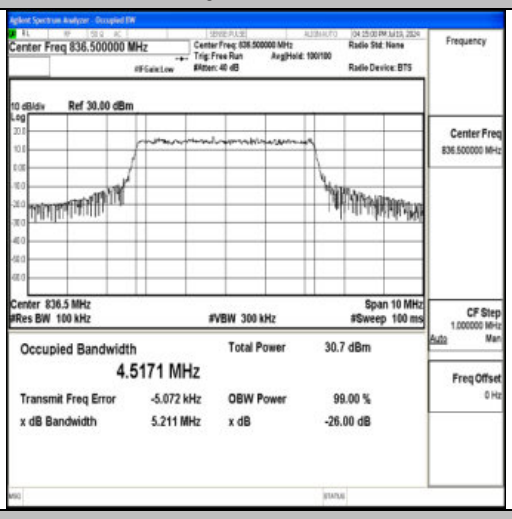
Band5-3MHz-16QAM-20635-15RB#0-PASS



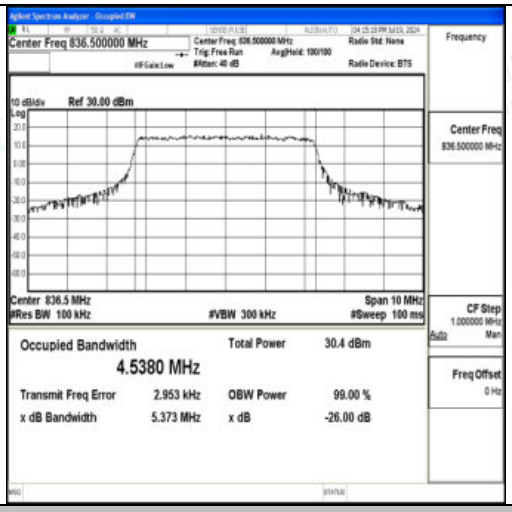
Band5-5MHz-QPSK-20425-25RB#0-PASS



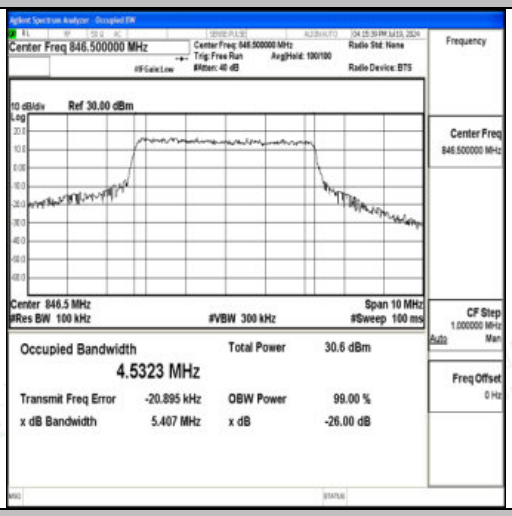
Band5-5MHz-16QAM-20425-25RB#0-PASS



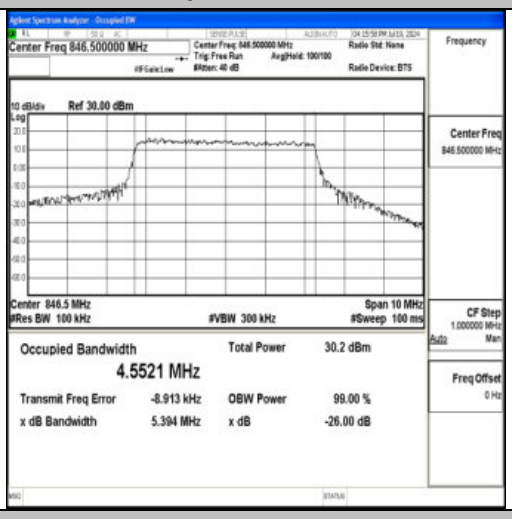
Band5-5MHz-QPSK-20525-25RB#0-PASS



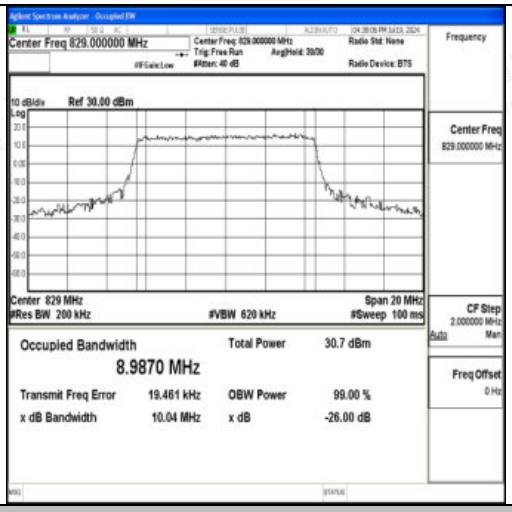
Band5-5MHz-16QAM-20525-25RB#0-PASS



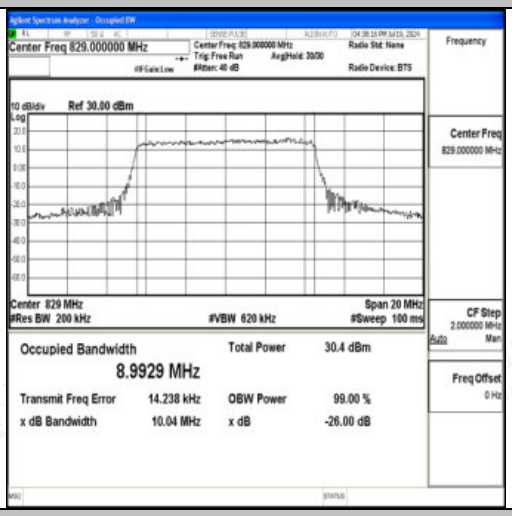
Band5-5MHz-QPSK-20625-25RB#0-PASS



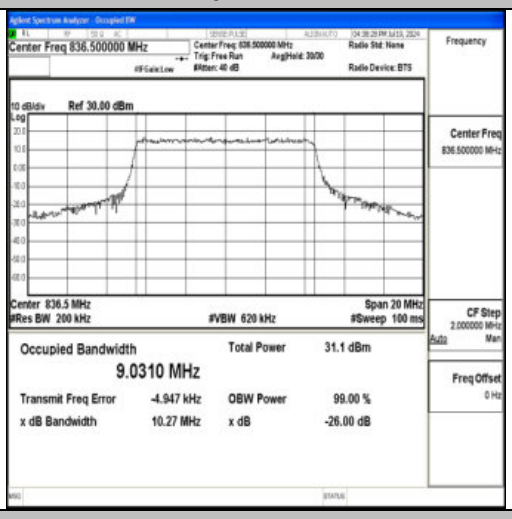
Band5-5MHz-16QAM-20625-25RB#0-PASS



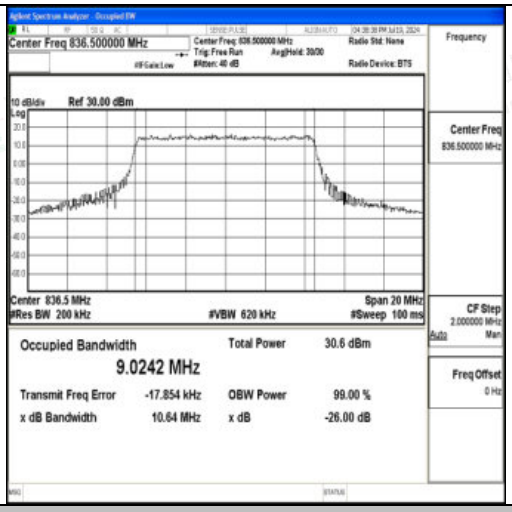
Band5-10MHz-QPSK-20450-50RB#0-PASS



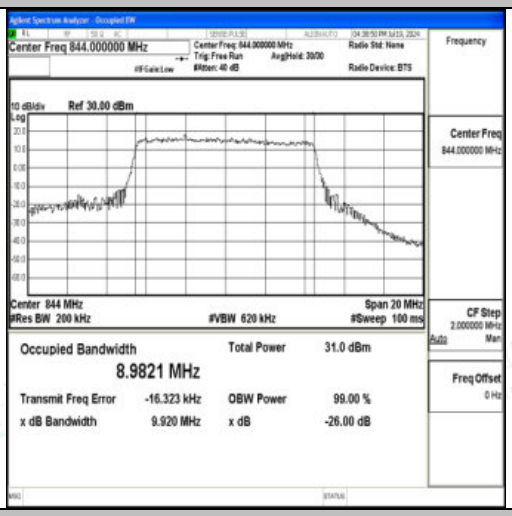
Band5-10MHz-16QAM-20450-50RB#0-PASS



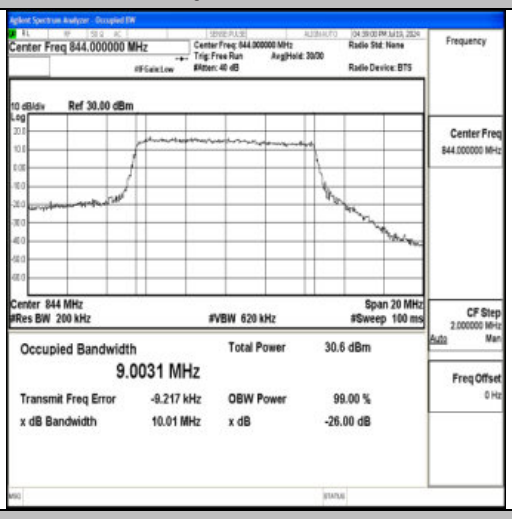
Band5-10MHz-QPSK-20525-50RB#0-PASS



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



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



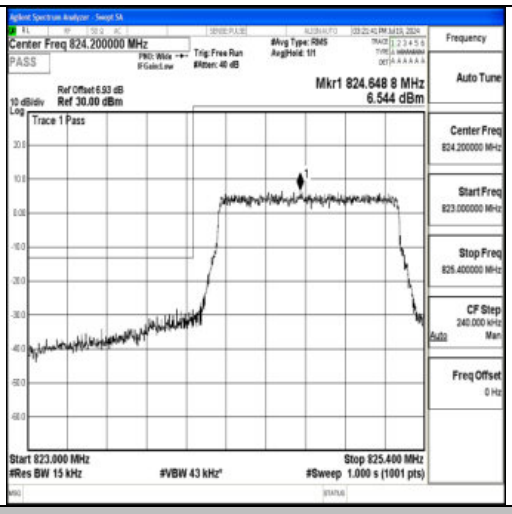
Band5-10MHz-16QAM-20600-50RB#0-PASS

J.4 Band Edge

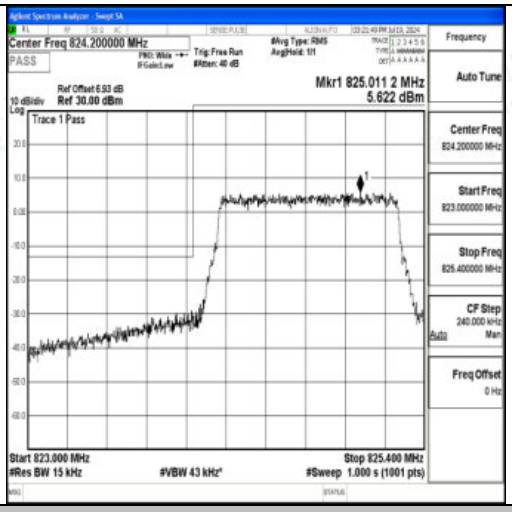
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.90	-28.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.99	-28.92	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.04	-25.55	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.05	-25.77	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-22.97	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-24.39	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-23.67	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-25.26	PASS
Band5	5MHz	QPSK	20425	25RB#0	824.00	-27.30	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-28.85	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.01	-28.77	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.00	-26.99	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.99	-32.63	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-33.15	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.10	-33.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.01	-32.32	PASS

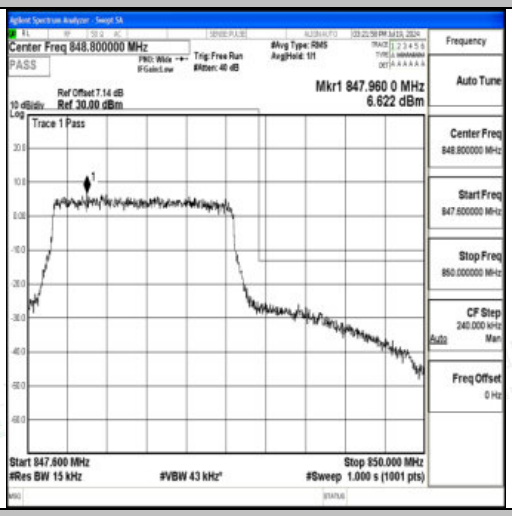
Test Graphs



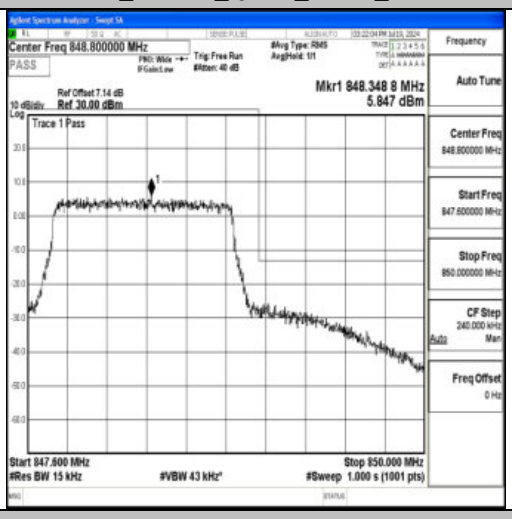
Band5_1.4MHz_QPSK_20407_6RB#0



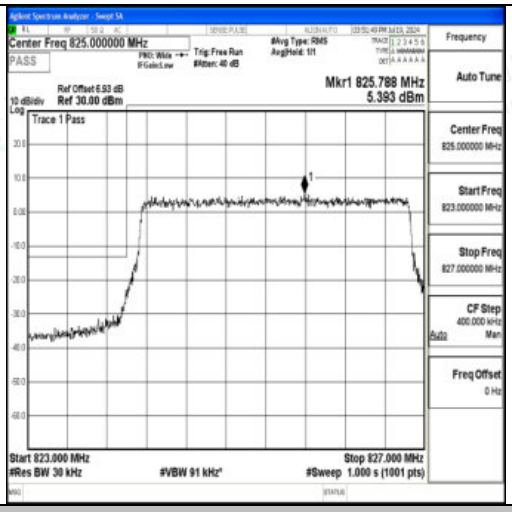
Band5_1.4MHz_16QAM_20407_6RB#0



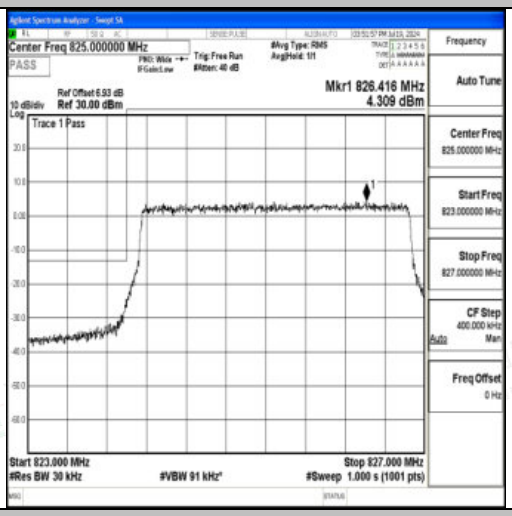
Band5_1.4MHz_QPSK_20643_6RB#0



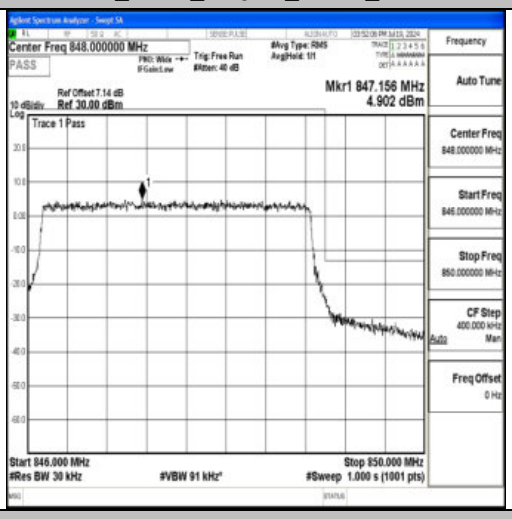
Band5_1.4MHz_16QAM_20643_6RB#0



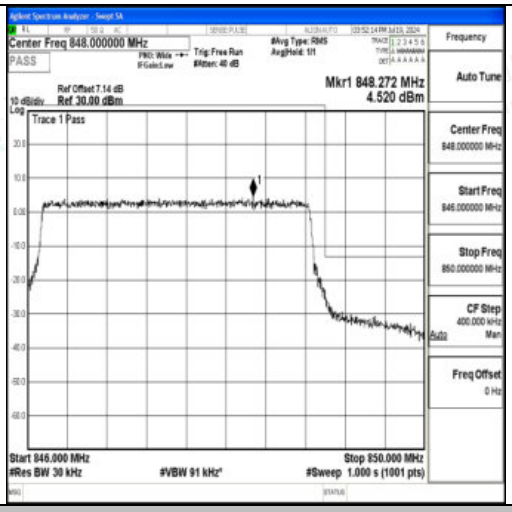
Band5_3MHz_QPSK_20415_15RB#0



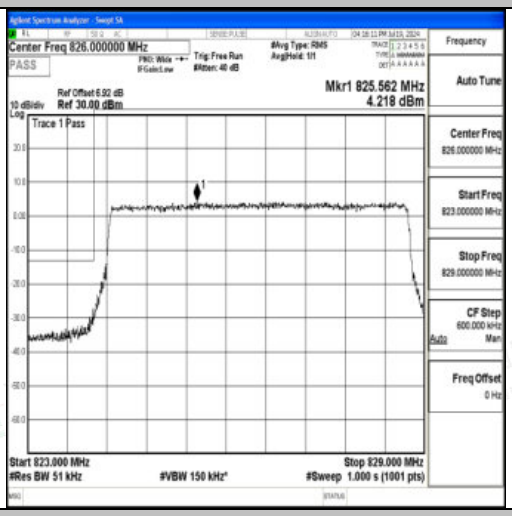
Band5_3MHz_16QAM_20415_15RB#0



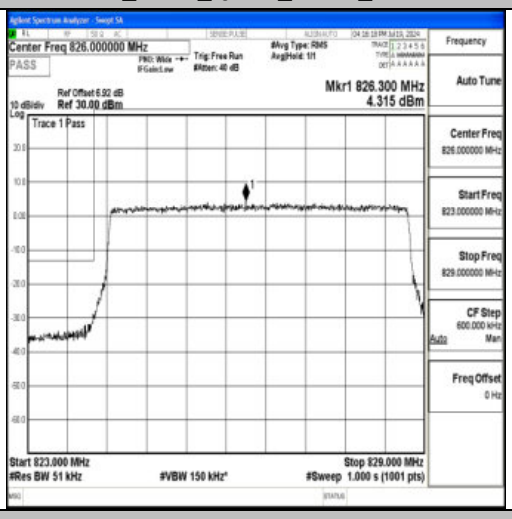
Band5_3MHz_QPSK_20635_15RB#0



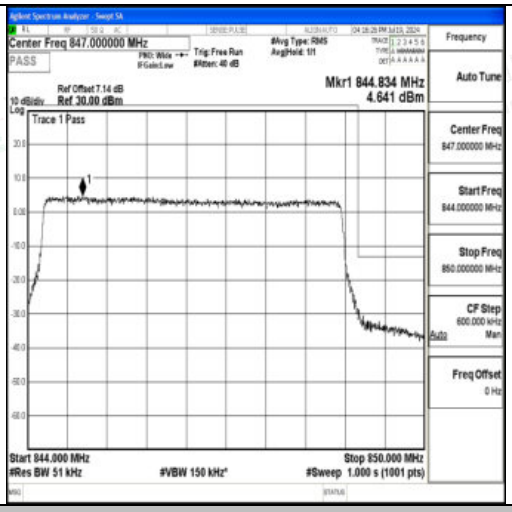
Band5_3MHz_16QAM_20635_15RB#0



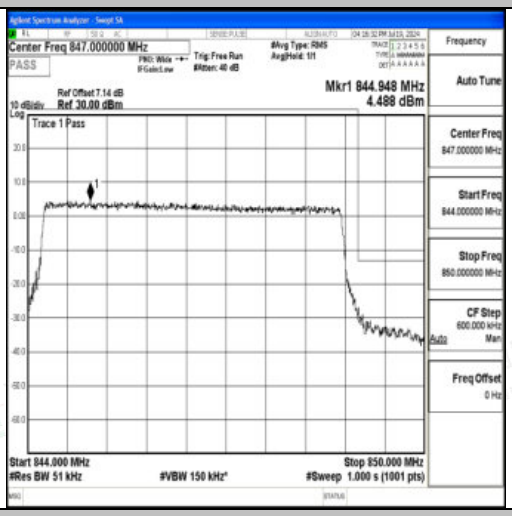
Band5_5MHz_QPSK_20425_25RB#0



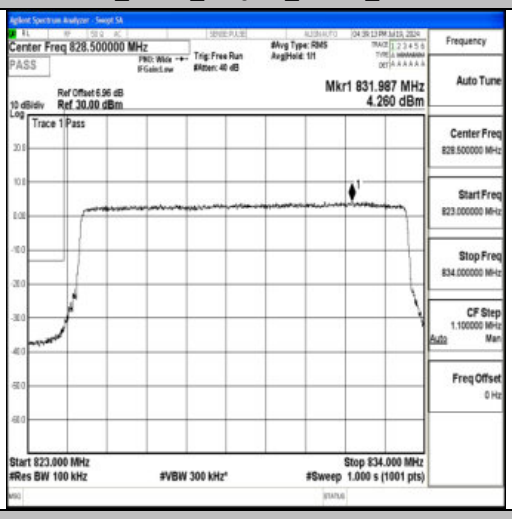
Band5_5MHz_16QAM_20425_25RB#0



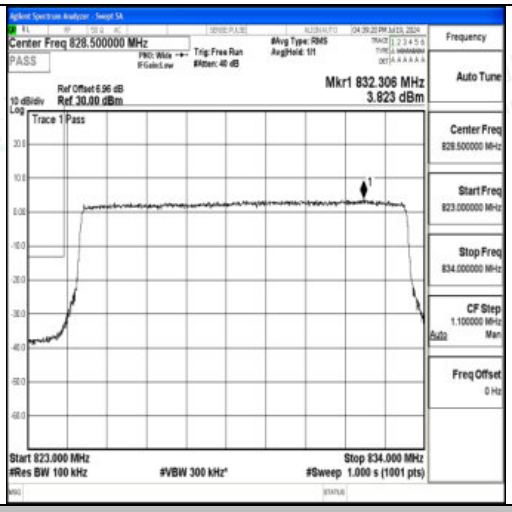
Band5_5MHz_QPSK_20625_25RB#0



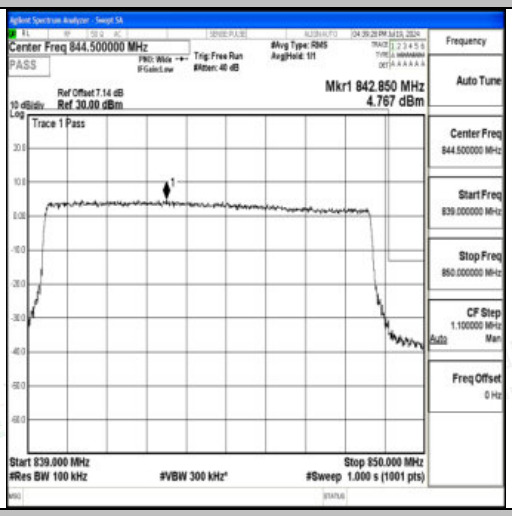
Band5_5MHz_16QAM_20625_25RB#0



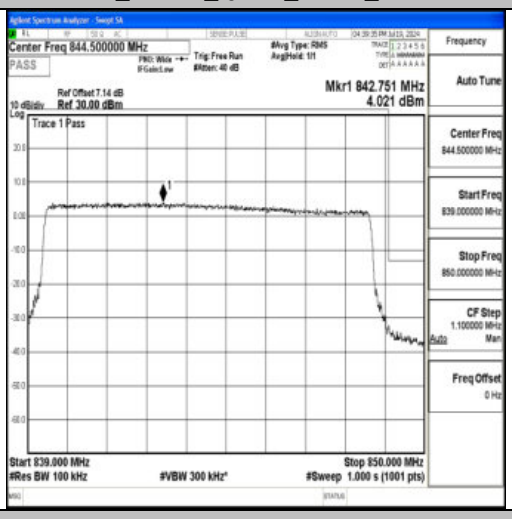
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

J.5 Conducted Spurious Emission

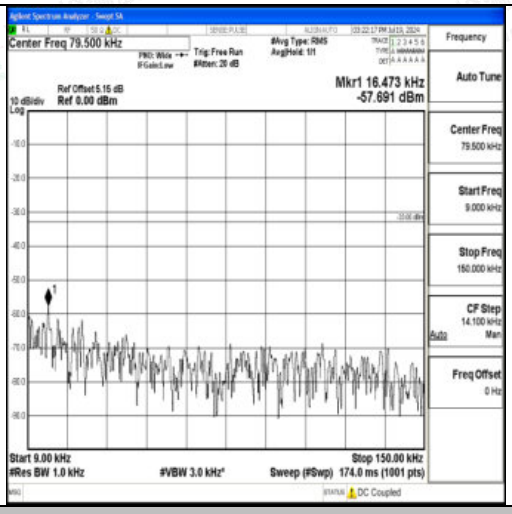
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-57.69	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-53.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-41.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-41.71	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-43.88	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-58.43	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-53.06	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-46.14	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-41.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.16	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-59.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-53.39	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-46.38	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-42.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-43.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-57.01	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-52.72	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-44.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-40.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-43.48	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-59.36	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-50.70	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-44.65	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-43.86	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.09	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-58.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-52.69	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-41.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-42.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-44.05	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-56.09	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-52.43	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-49.31	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-42.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-43.94	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-60.94	PASS

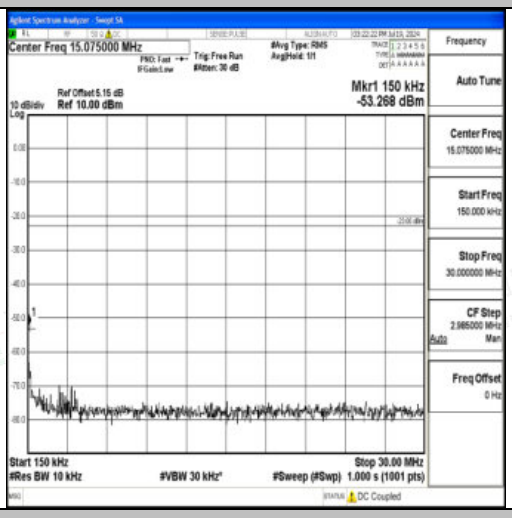
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-51.18	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-48.83	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-40.02	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-43.95	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-58.27	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-53.12	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-49.42	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-42.60	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.10	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-61.04	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-54.08	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-49.77	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-42.59	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-44.05	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-54.55	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-53.79	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-47.27	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-43.63	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-44.12	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-57.34	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-53.90	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-46.56	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-43.65	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.22	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-57.36	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-53.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-57.39	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-42.77	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.14	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-57.67	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-51.88	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-57.21	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-38.53	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-43.98	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-56.58	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-52.25	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-59.50	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-42.47	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-44.29	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-57.03	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-53.54	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-58.64	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-41.88	PASS

Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-44.28	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-60.75	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-52.11	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-57.00	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-44.00	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-44.29	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-57.94	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-52.11	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-60.74	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-43.20	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-43.90	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-56.87	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-51.09	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-61.92	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-41.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-43.56	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-55.75	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-51.34	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-62.16	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-42.13	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-43.84	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-59.84	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-51.13	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-61.85	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-42.85	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-44.06	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-57.97	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-53.52	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-62.12	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-41.74	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-43.83	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-58.15	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-51.57	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-61.32	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-45.16	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-44.16	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-59.85	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-52.27	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-61.98	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-45.38	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.05	PASS

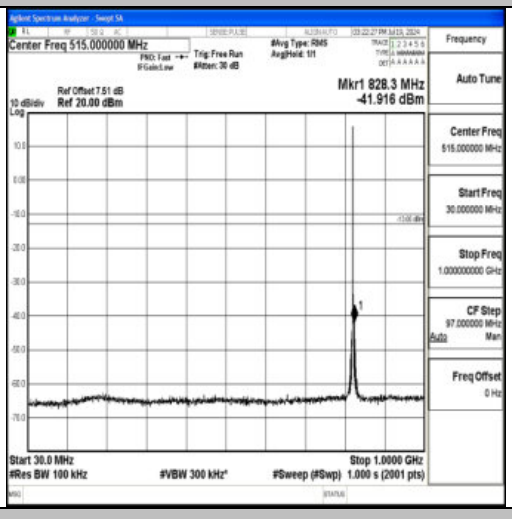
Test Graphs



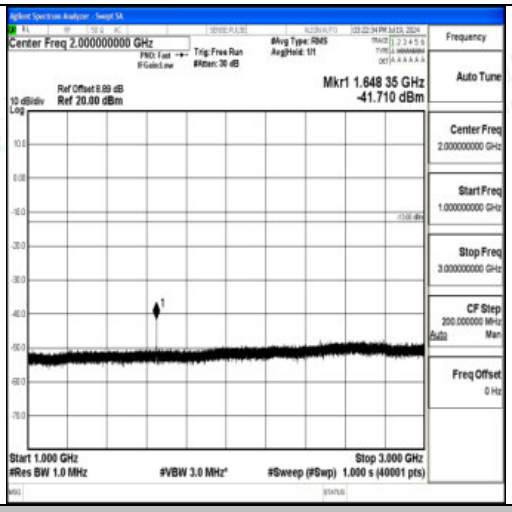
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



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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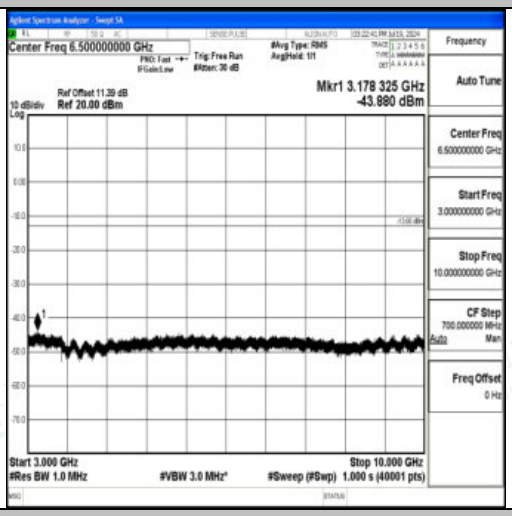
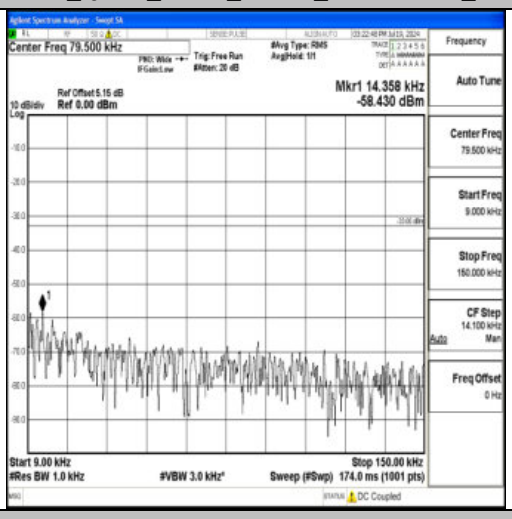


Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



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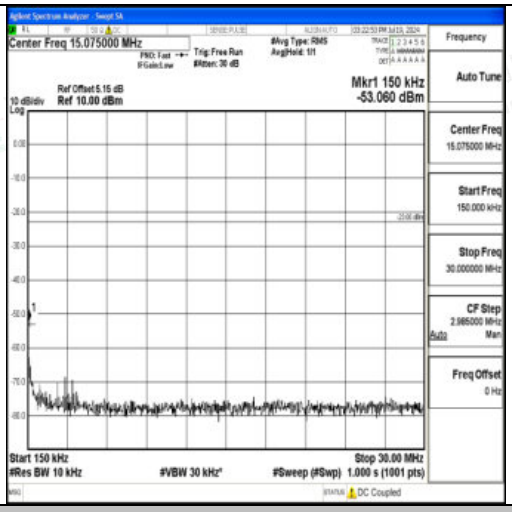
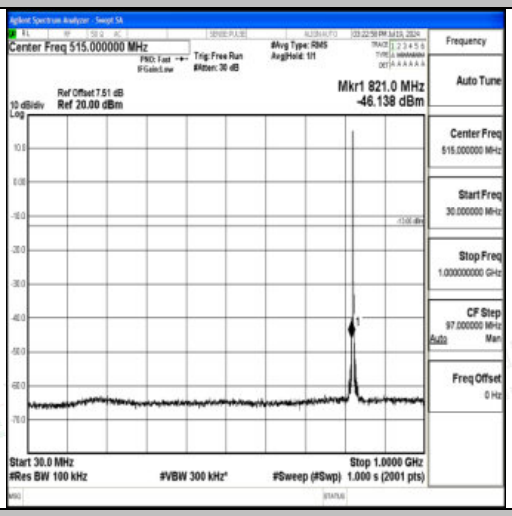


Band5_1.4MHz_16QAM_20407_1RB#0_0.15~30_0.15~30



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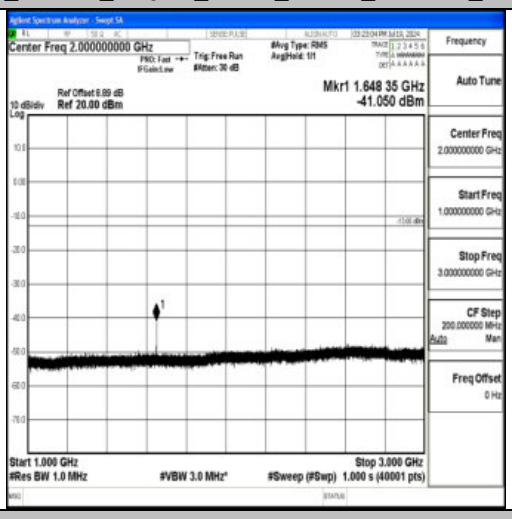

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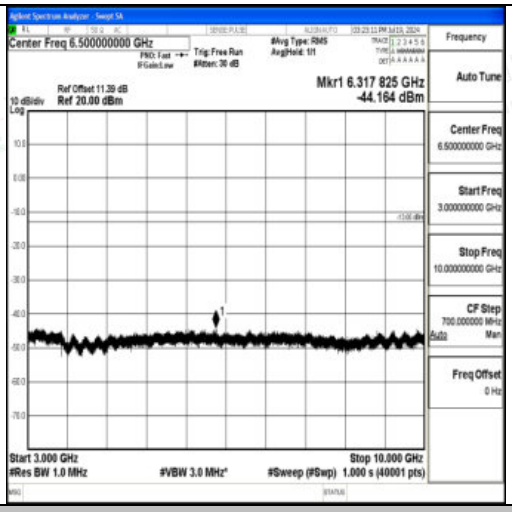
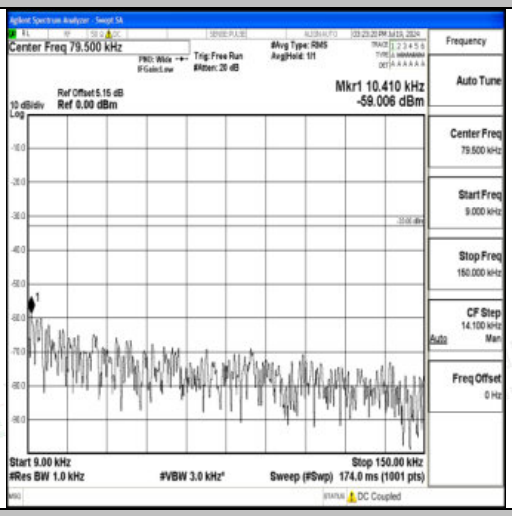


Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000



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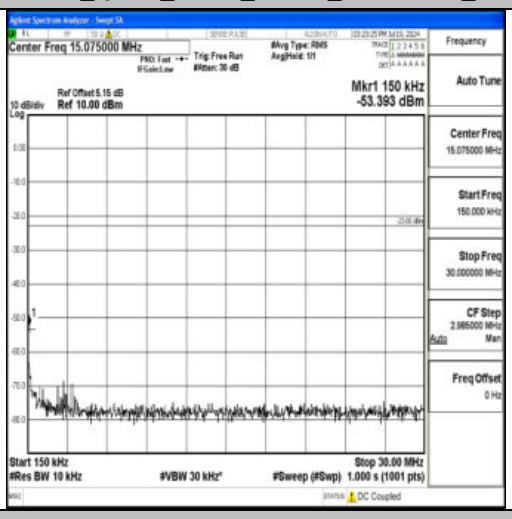

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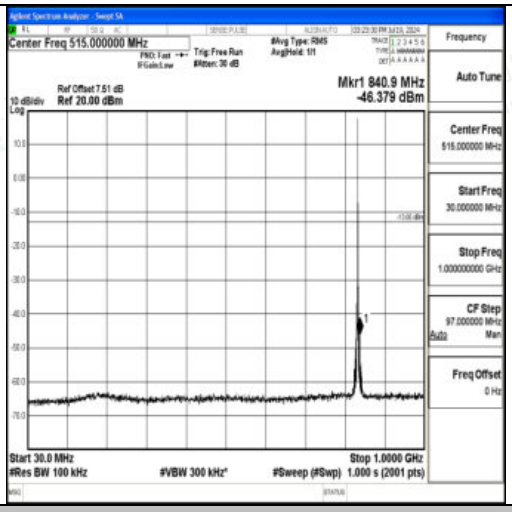
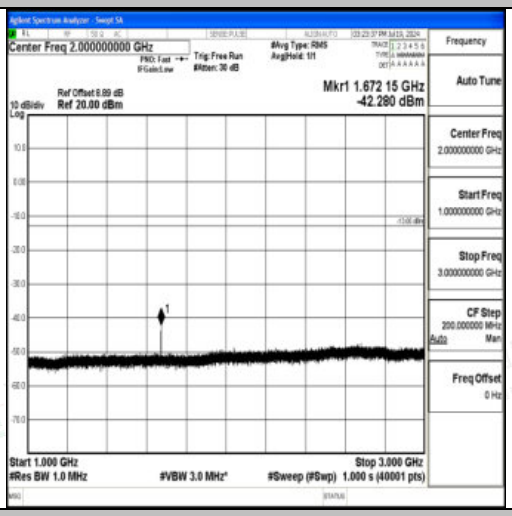
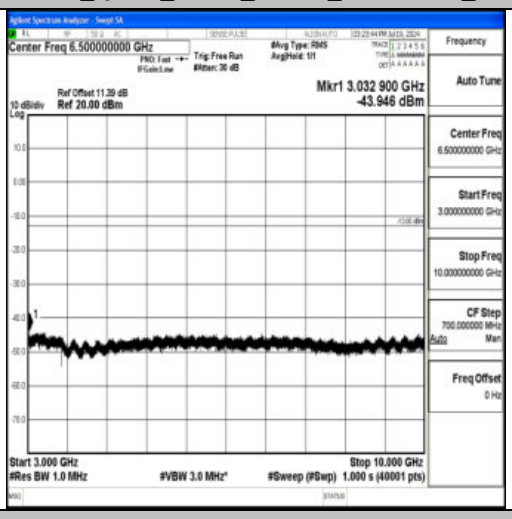


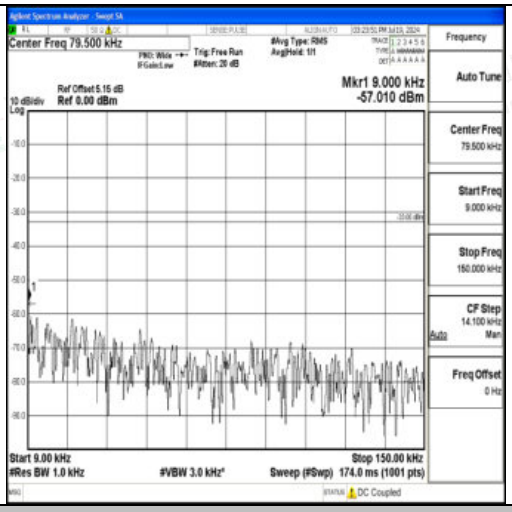
Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000



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



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



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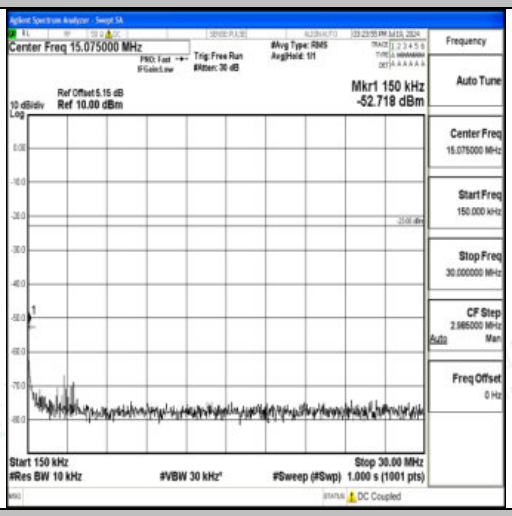

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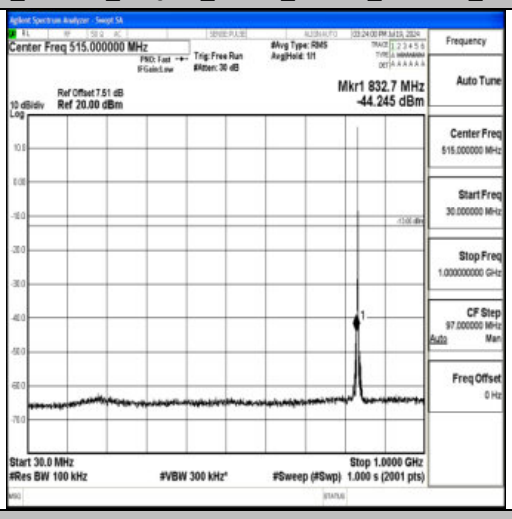

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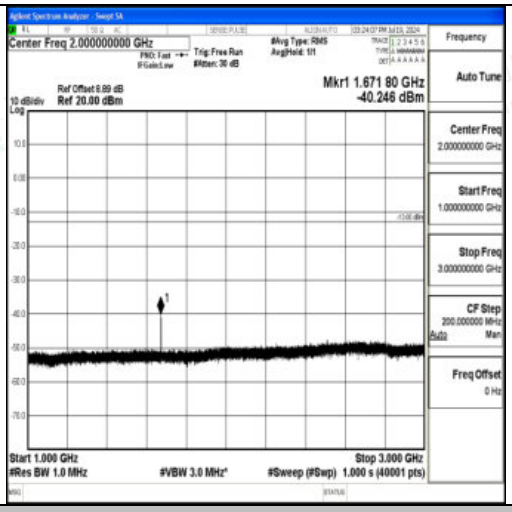
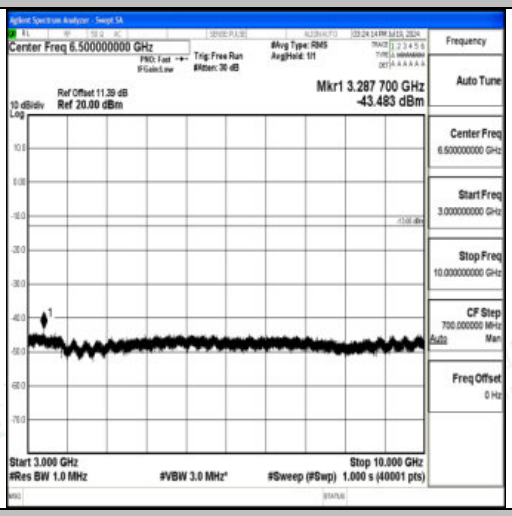
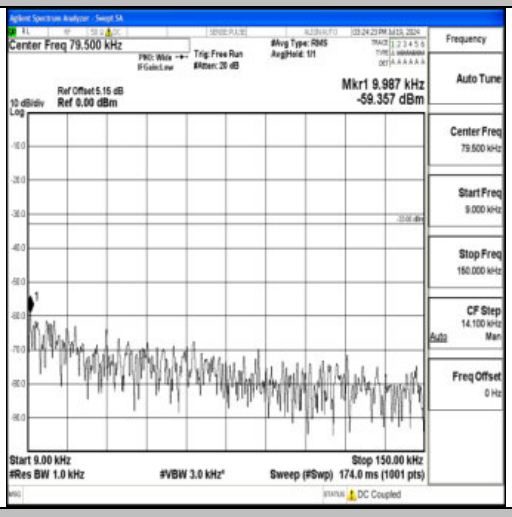


Band5_1.4MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



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



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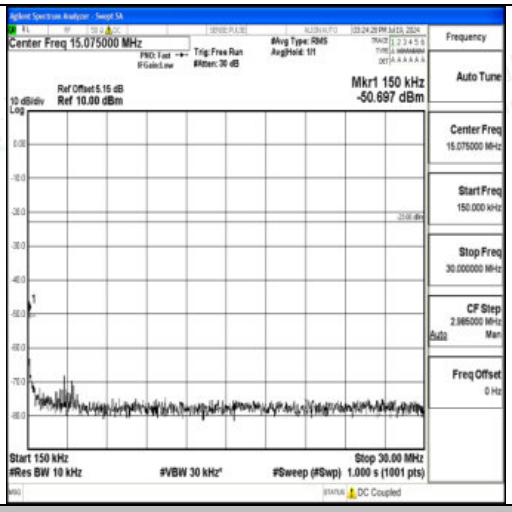

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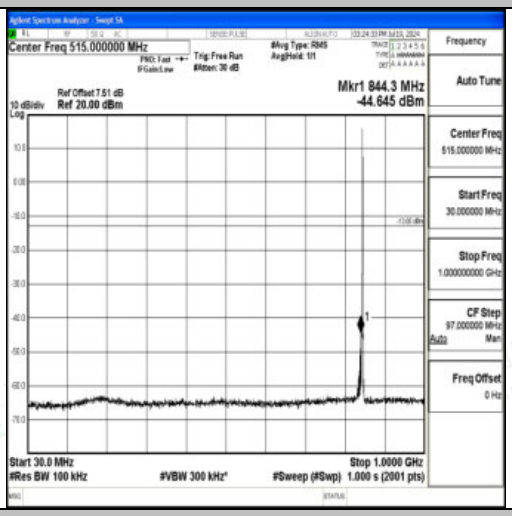

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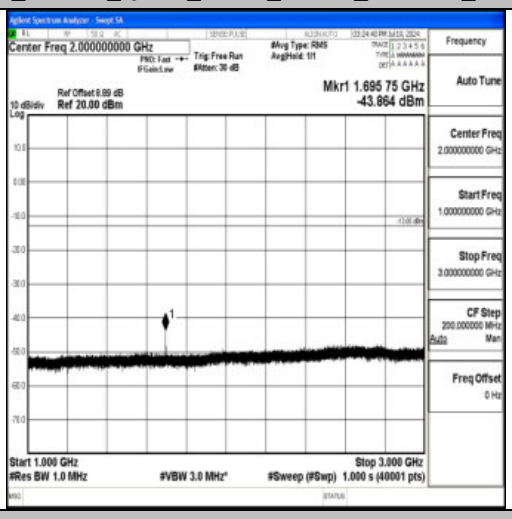

Band5_1.4MHz_QPSK_20643_1RB#0_1000~3000_1000~3000