Appendix I: Test Data for E-UTRA Band 12

Product Name: mobile phone

Test Model: F31

Environmental Conditions

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

I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.28	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.55	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.56	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.33	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.24	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.44	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.22	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.47	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.25	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.44	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.46	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.43	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.27	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.53	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.39	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.42	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.24	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.52	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.42	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.31	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.41	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.31	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.28	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.12	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.51	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.24	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.06	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.42	PASS

Band12	1.4MHz	16QAM	23173	3RB#0	22.18	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.43	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.20	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.44	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.16	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.32	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.40	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.46	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.39	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.45	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.47	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.45	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.44	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.47	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.39	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.47	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.38	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.40	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.49	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.49	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.31	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.45	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.25	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.40	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.28	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.39	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.44	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.39	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.44	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.39	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.41	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.37	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.34	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.43	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.21	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.38	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.13	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.40	PASS

Band12	3MHz	16QAM	23165	1RB#14	22.14	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.33	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.39	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.34	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.39	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.45	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.43	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.32	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.28	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.39	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.30	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.48	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.39	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.40	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.34	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.41	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.44	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.46	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.45	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.40	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.42	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.45	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.50	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.36	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.45	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.42	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.50	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.34	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.37	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.43	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.47	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.41	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.48	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.43	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.46	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.44	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.47	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.39	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.24	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.45	PASS

Band12	5MHz	16QAM	23155	1RB#12	22.35	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.30	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.23	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.46	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.54	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.46	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.49	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.39	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.42	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.44	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.51	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.40	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.42	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.52	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.51	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.41	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.41	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.54	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.57	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.54	PASS
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Band12	10MHz	QPSK	23060	25RB#25	22.50	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.46	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.51	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.51	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.53	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.30	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.65	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.39	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.44	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.27	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.41	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.46	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.45	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.49	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.39	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.44	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.43	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.50	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.48	PASS

Band12	10MHz	16QAM	23130	1RB#0	22.24	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.57	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.30	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.37	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.15	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.45	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.55	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.51	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.57	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.43	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.46	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.44	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.48	PASS

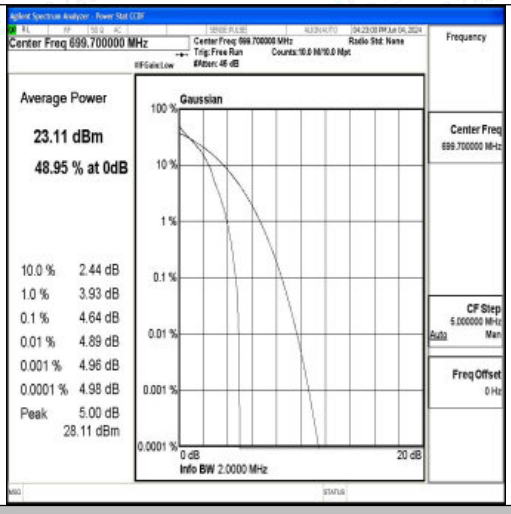
I.2 Peak-to-Average Ratio(CCDF)

Test Result

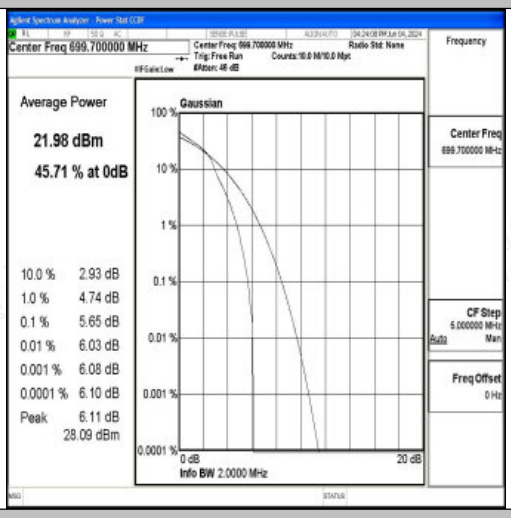
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.64	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.65	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.23	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.99	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.77	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.79	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.28	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.04	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.62	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.67	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.16	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.92	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.63	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.52	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.37	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.11	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.80	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.68	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.37	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.13	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.94	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.81	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.36	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.76	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.37	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.58	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.21	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.98	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.54	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.56	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.20	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.10	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.64	13	PASS

Band12	5MHz	QPSK	23155	25RB#0	5.63	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.24	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.66	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.54	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.62	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.27	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.92	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.77	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.55	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.22	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.78	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.67	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.51	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.22	13	PASS

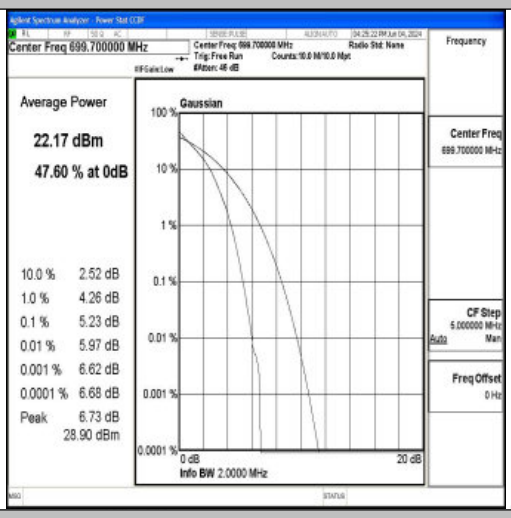
Test Graphs



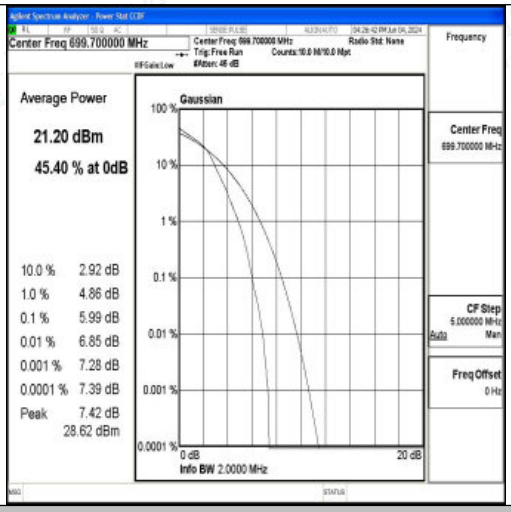
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



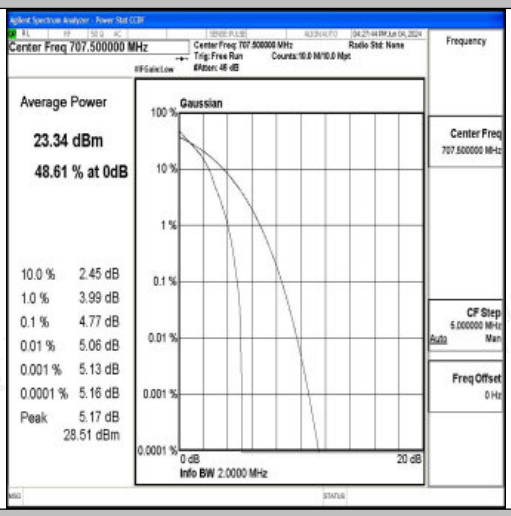
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



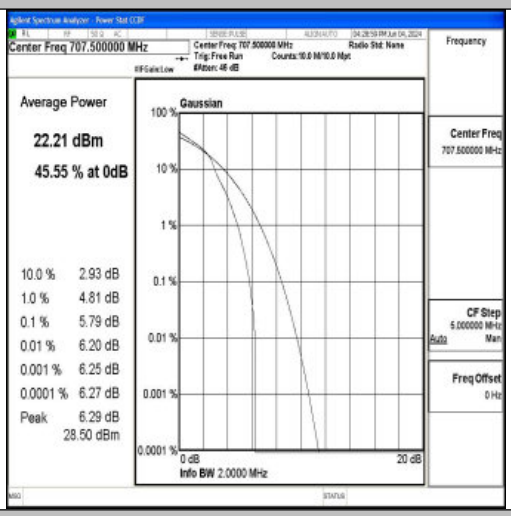
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



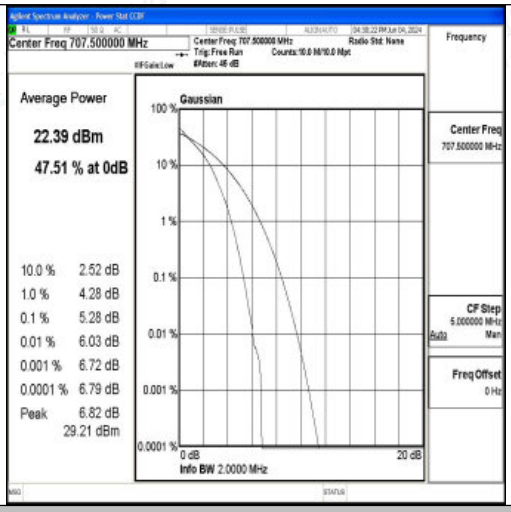
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



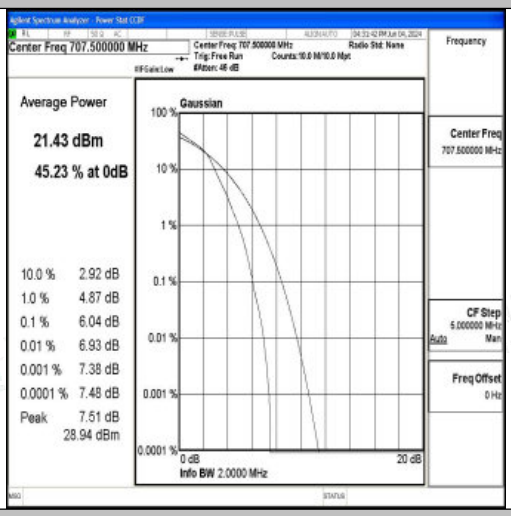
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



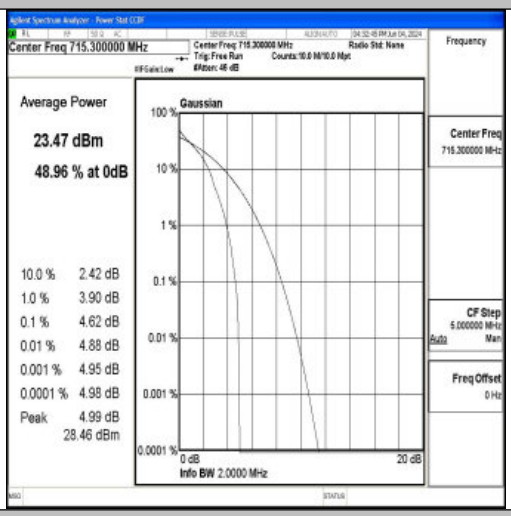
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



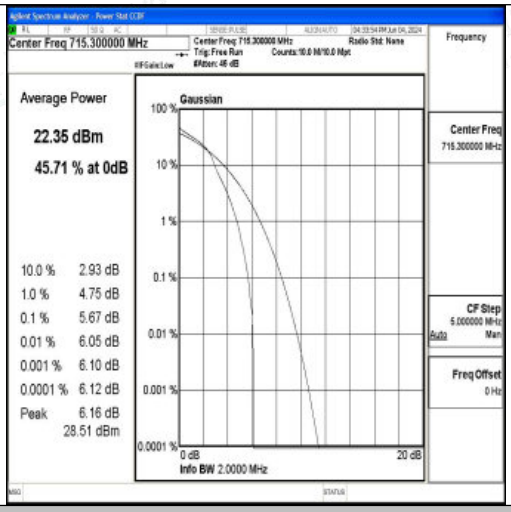
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



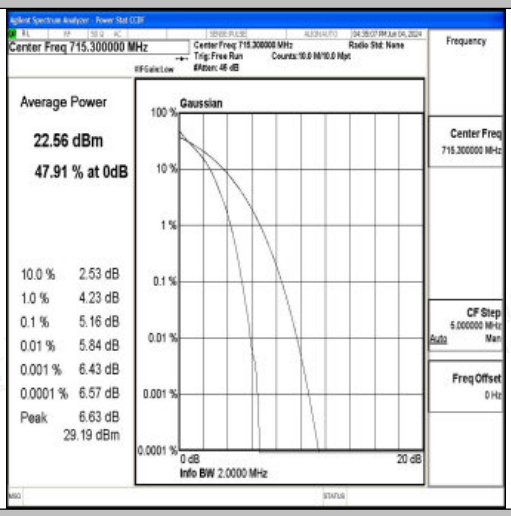
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



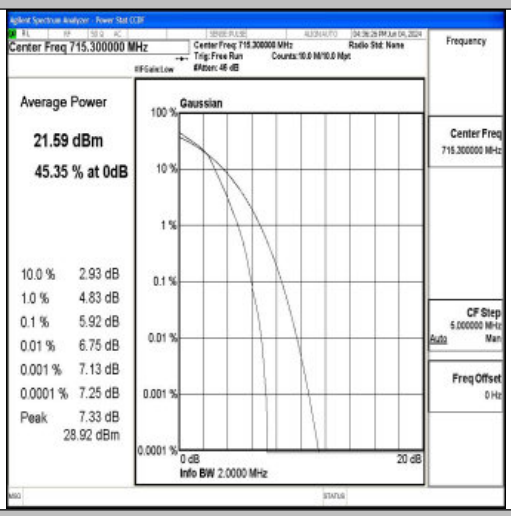
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



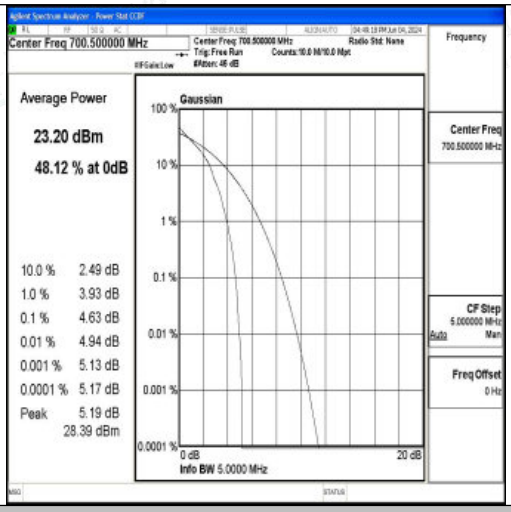
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



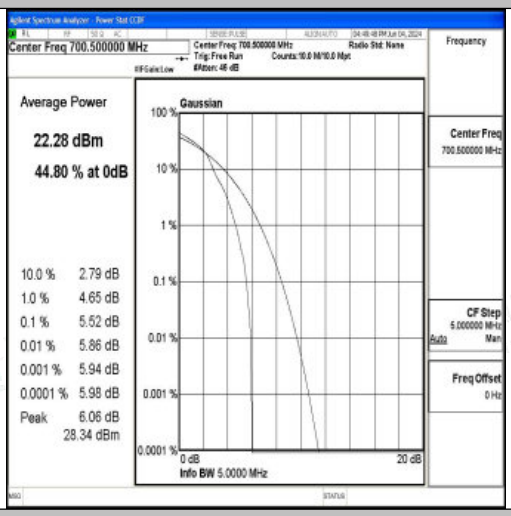
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



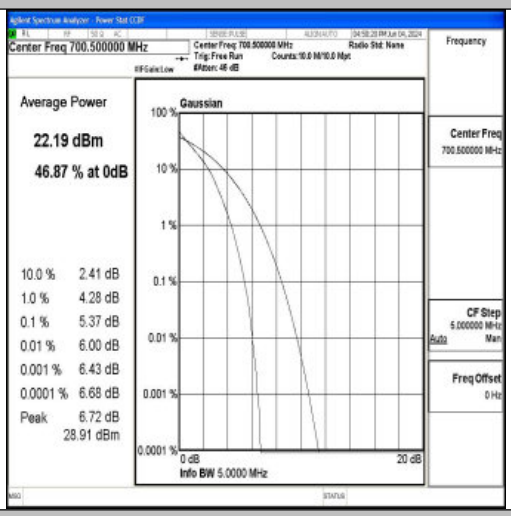
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



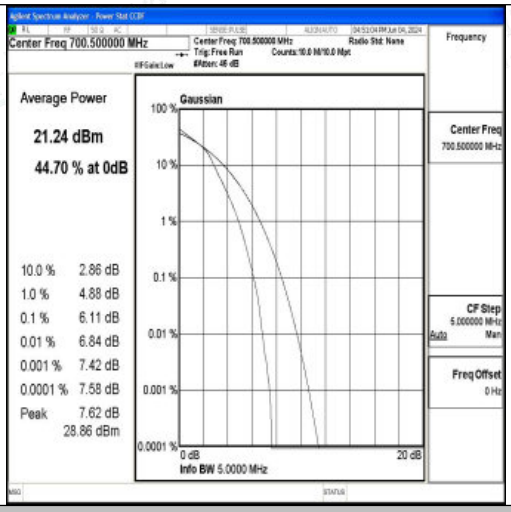
Band12-3MHz-QPSK-23025-1RB#0-PASS



Band12-3MHz-16QAM-23025-1RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS



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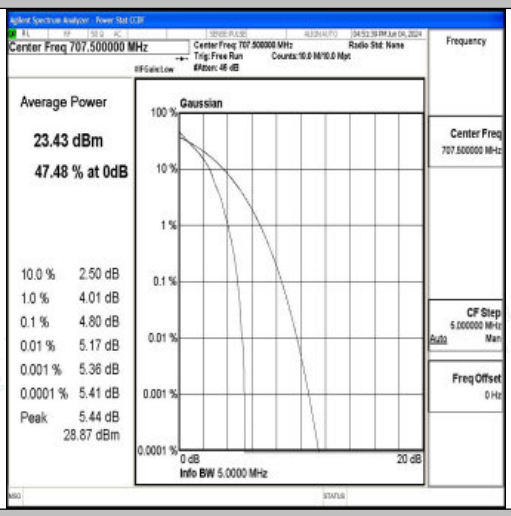
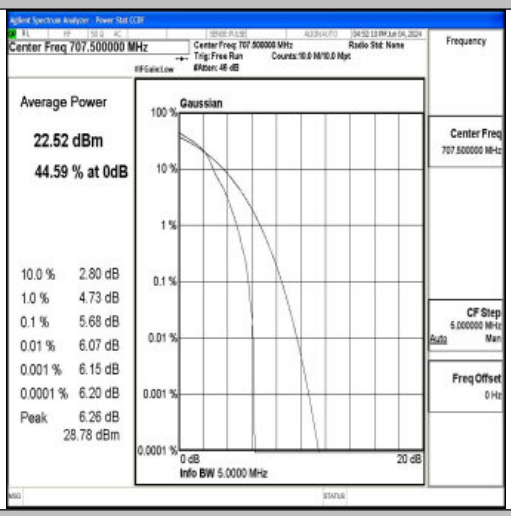


Band12-3MHz-QPSK-23095-1RB#0-PASS



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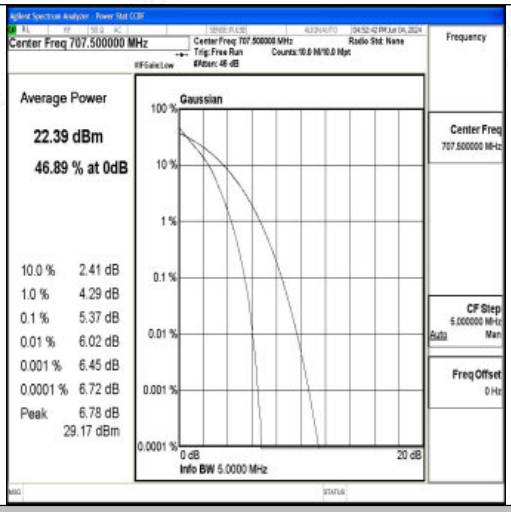

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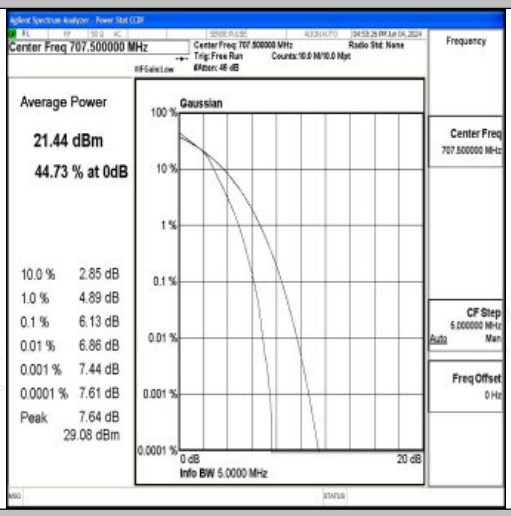
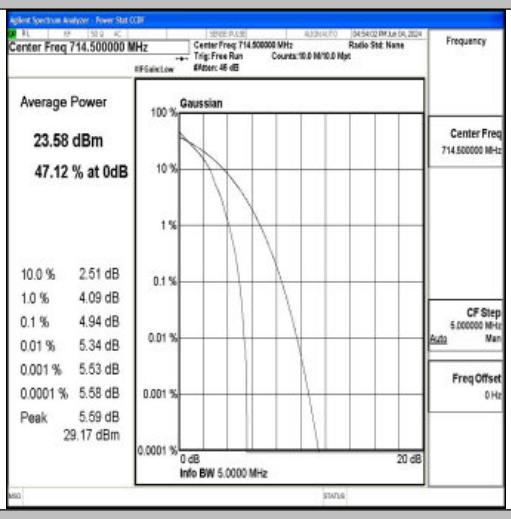
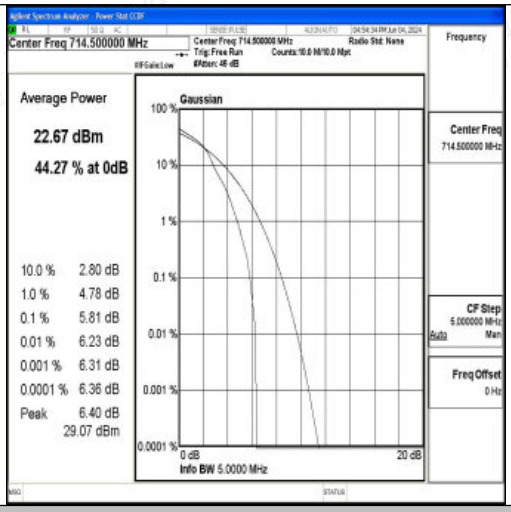


Band12-3MHz-16QAM-23095-15RB#0-PASS



Band12-3MHz-QPSK-23165-1RB#0-PASS



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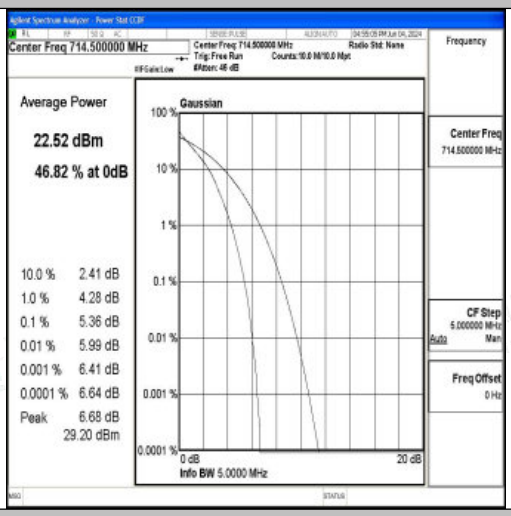

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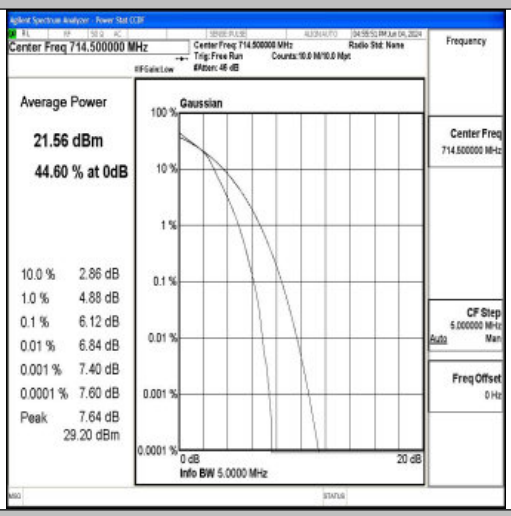

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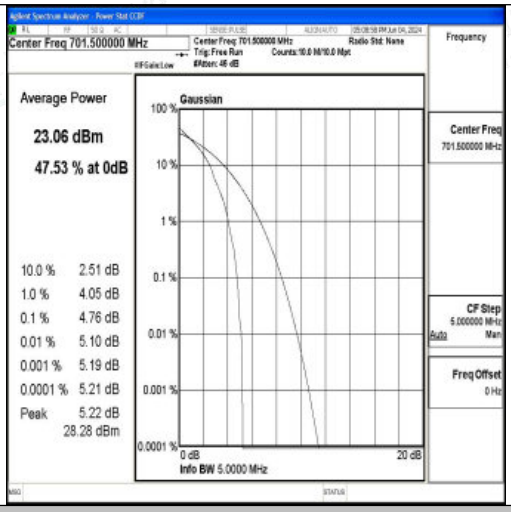
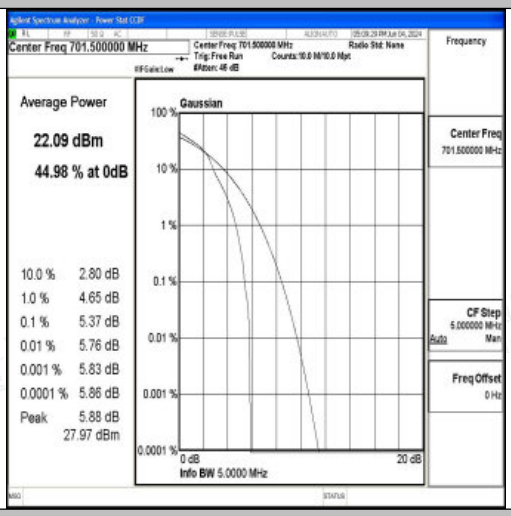


Band12-5MHz-QPSK-23035-1RB#0-PASS



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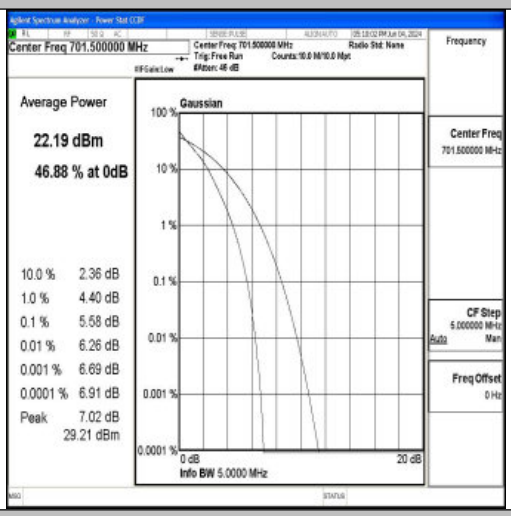

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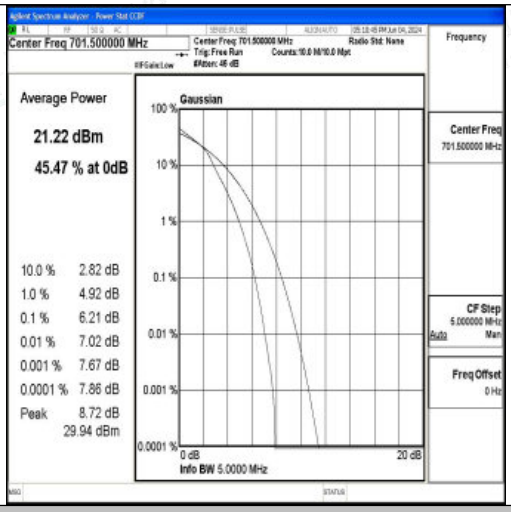
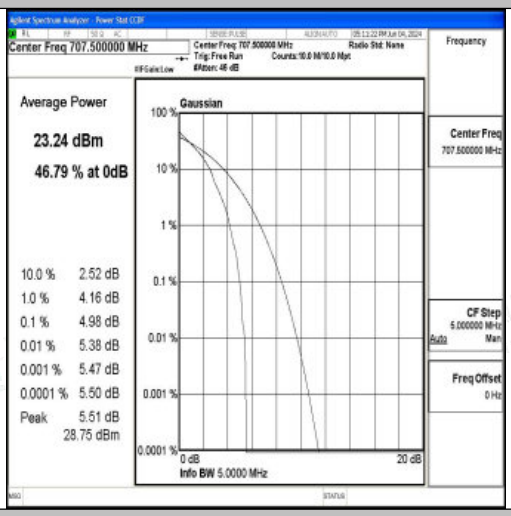


Band12-5MHz-16QAM-23035-25RB#0-PASS



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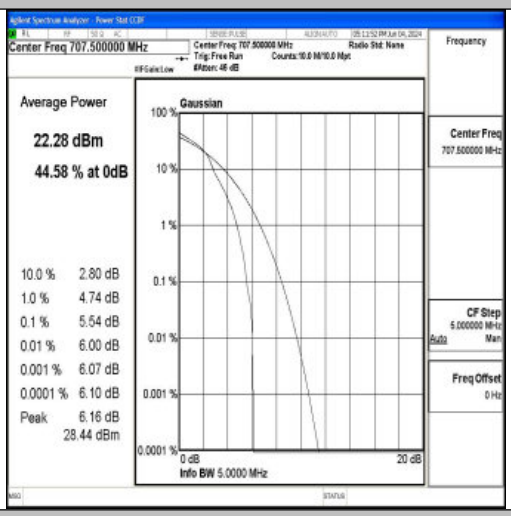

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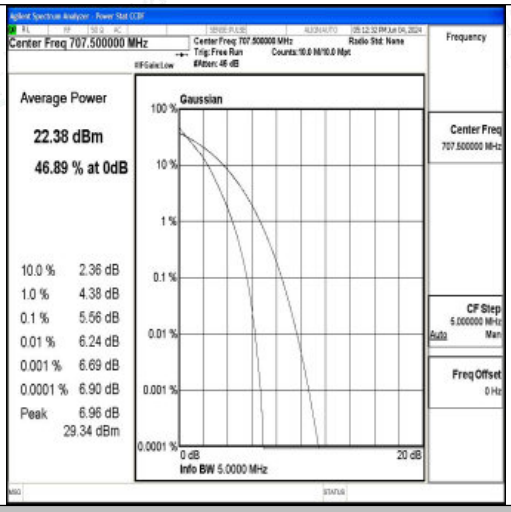

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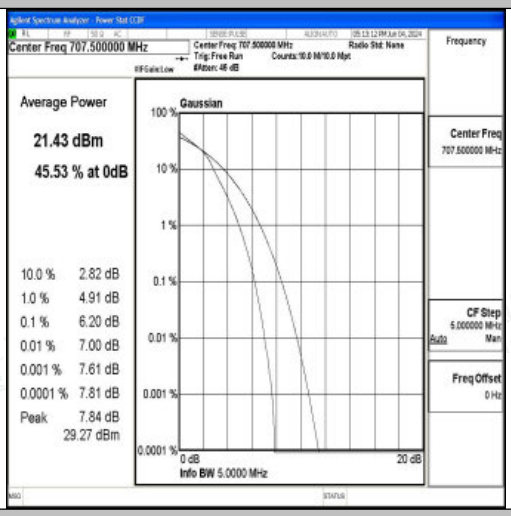
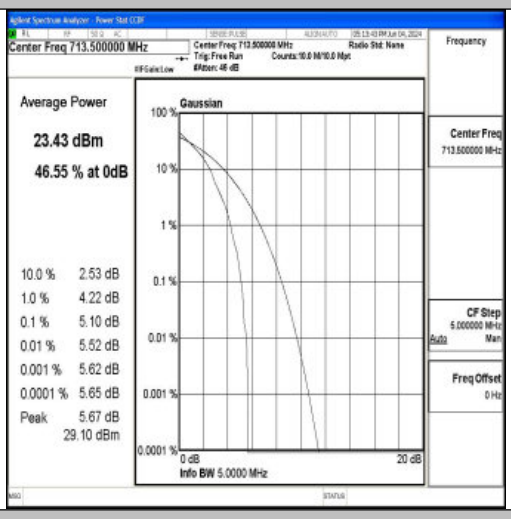


Band12-5MHz-16QAM-23095-25RB#0-PASS



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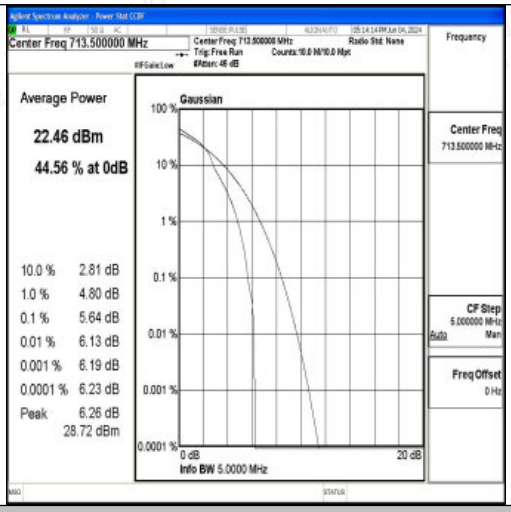

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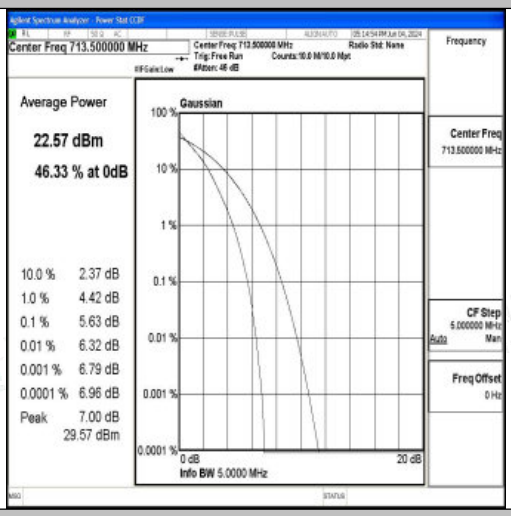

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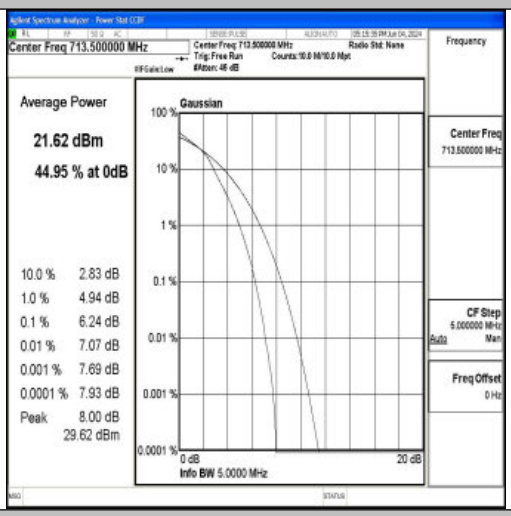

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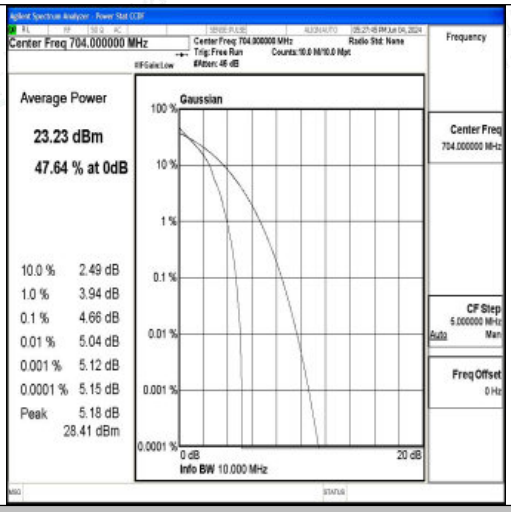
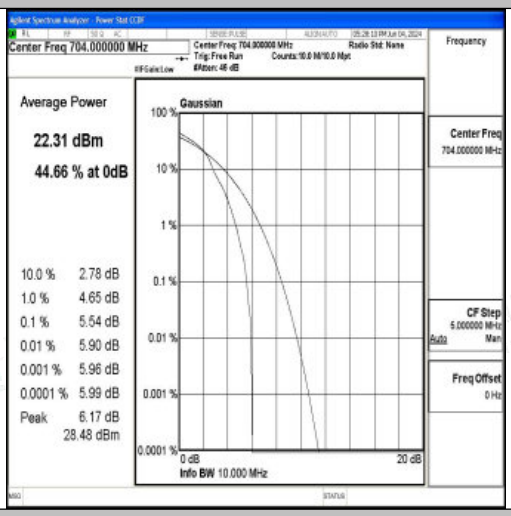
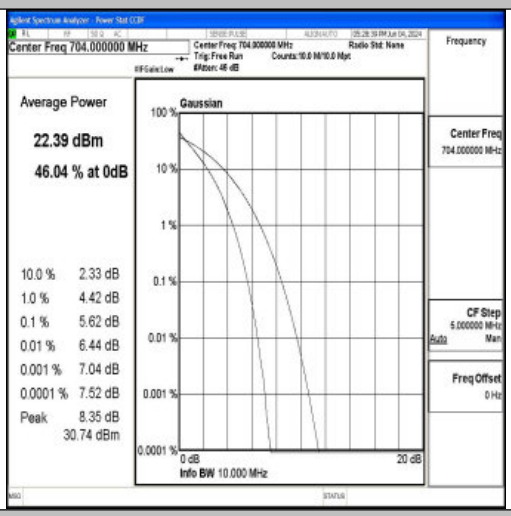


Band12-10MHz-QPSK-23060-1RB#0-PASS



Band12-10MHz-16QAM-23060-1RB#0-PASS



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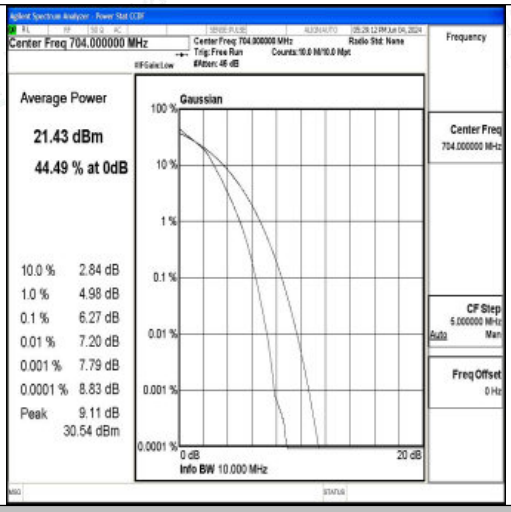

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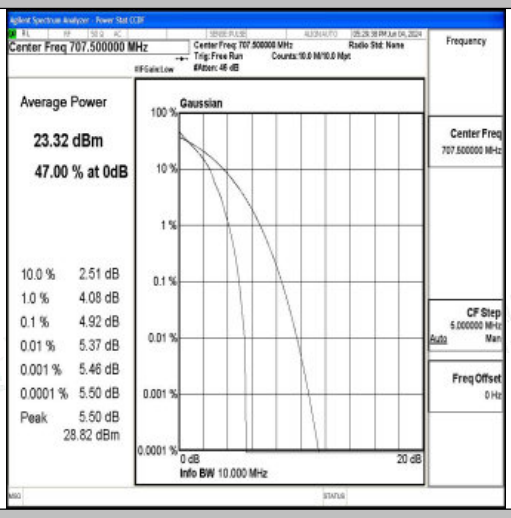

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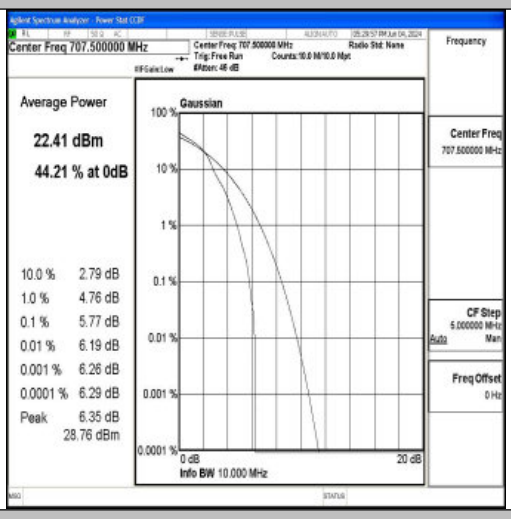

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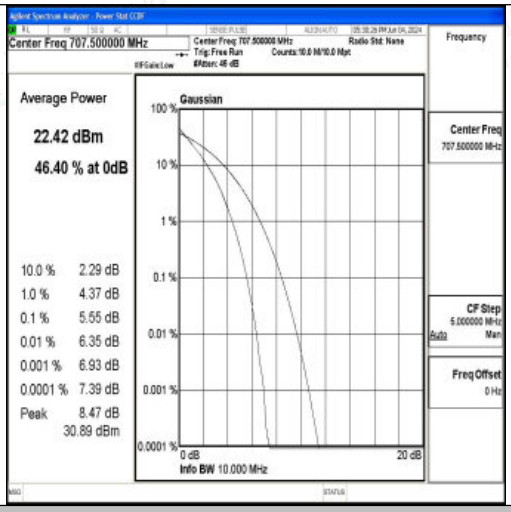

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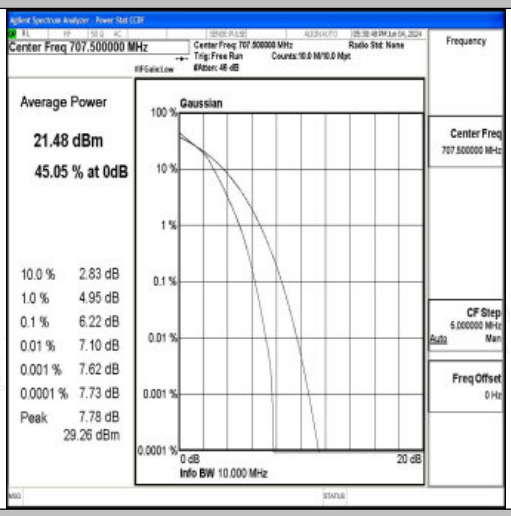

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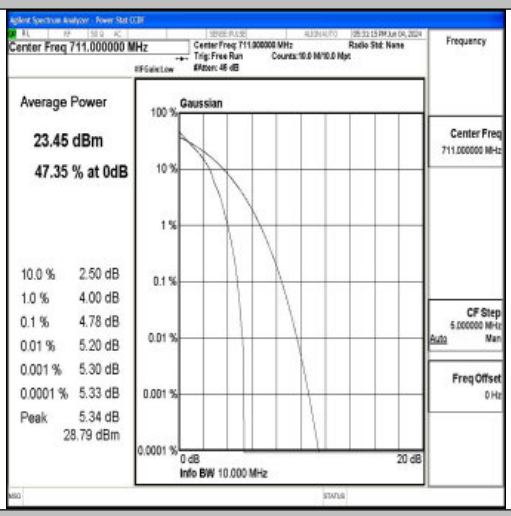
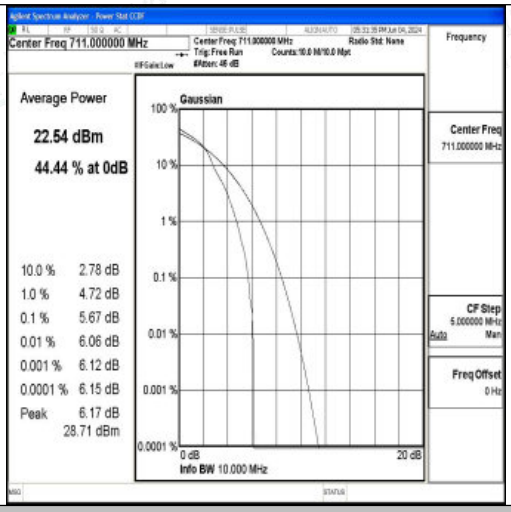
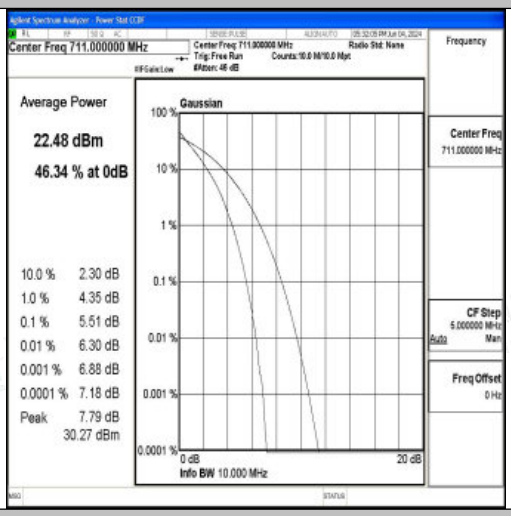


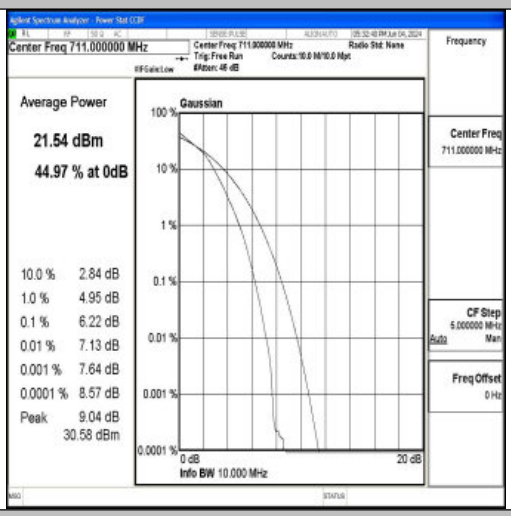
Band12-10MHz-QPSK-23130-1RB#0-PASS



Band12-10MHz-16QAM-23130-1RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS



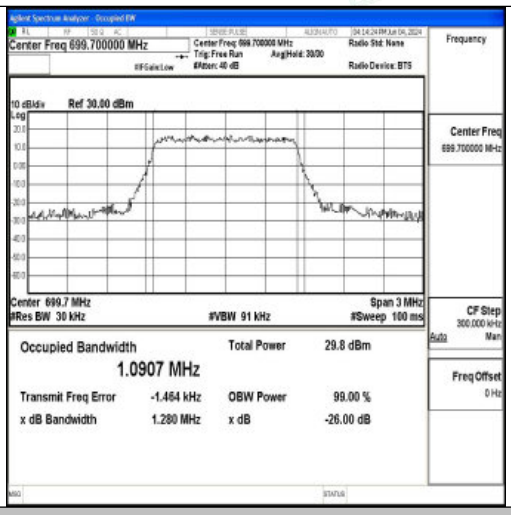
Band12-10MHz-16QAM-23130-50RB#0-PASS

I.3 26dB Bandwidth and Occupied Bandwidth

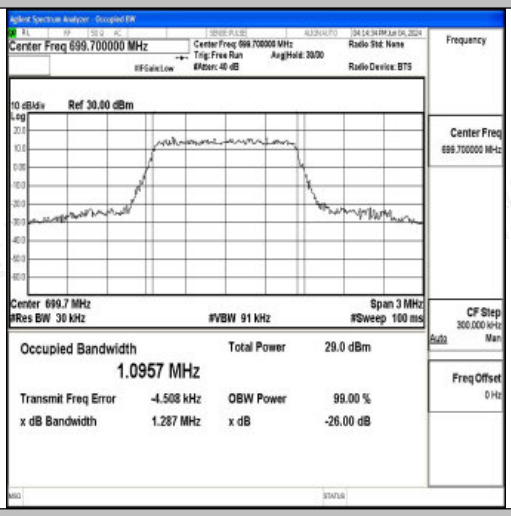
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0907	1.280	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0957	1.287	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0883	1.289	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0953	1.293	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0911	1.270	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0962	1.300	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6778	2.895	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6808	2.886	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6896	2.904	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6750	2.911	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6846	2.921	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6790	2.893	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5185	5.281	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5165	5.147	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5152	5.182	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5251	5.147	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5290	5.206	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5215	5.168	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0329	11.15	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0752	11.29	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9994	10.16	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9756	9.994	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0039	10.12	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9999	9.987	PASS

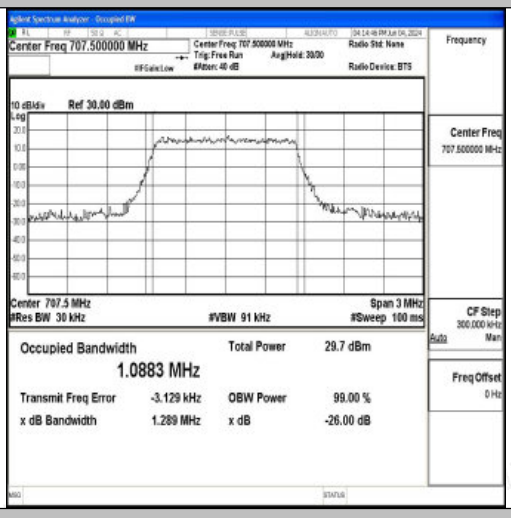
Test Graphs



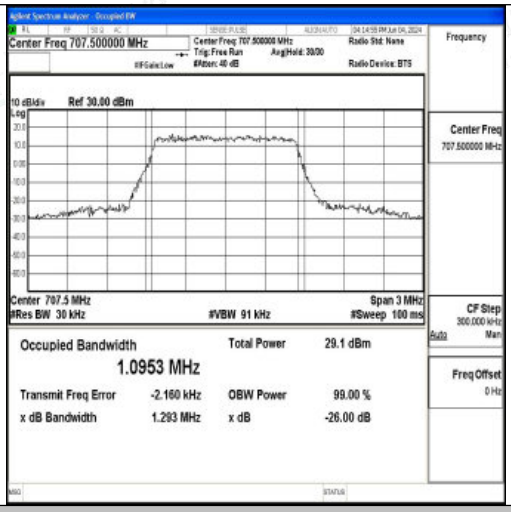
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



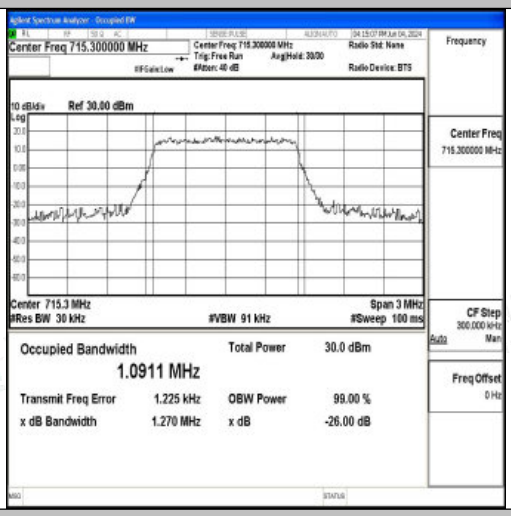
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



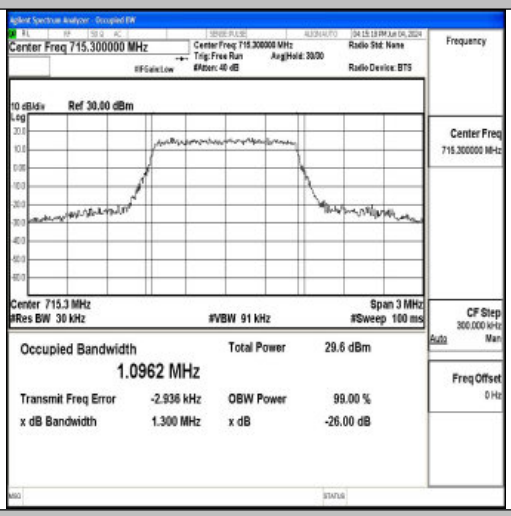
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



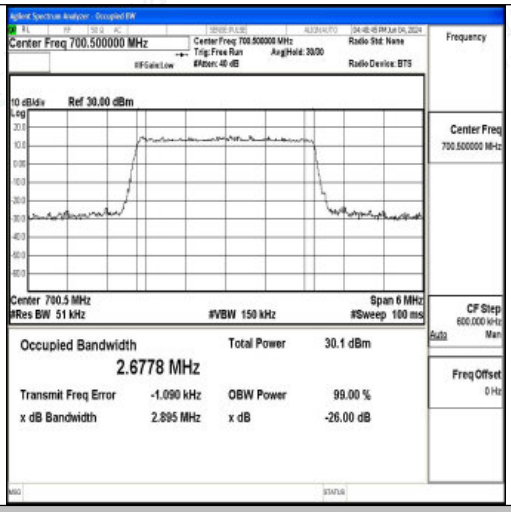
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



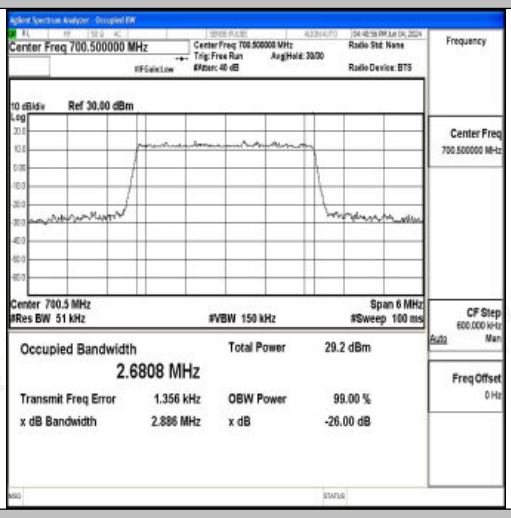
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



Band12-1.4MHz-16QAM-23173-6RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS



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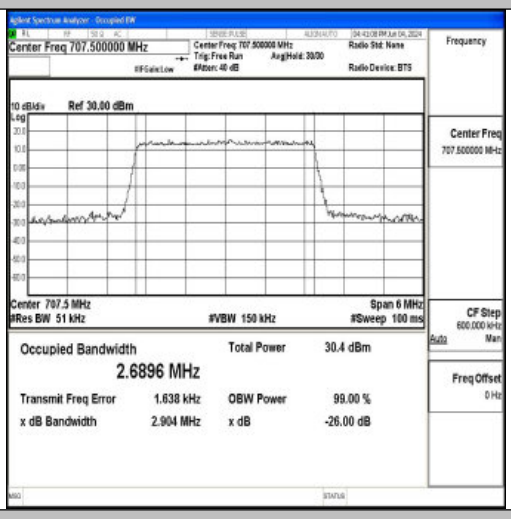

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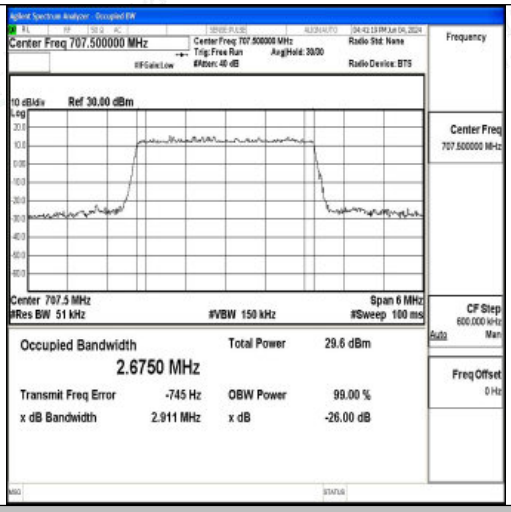
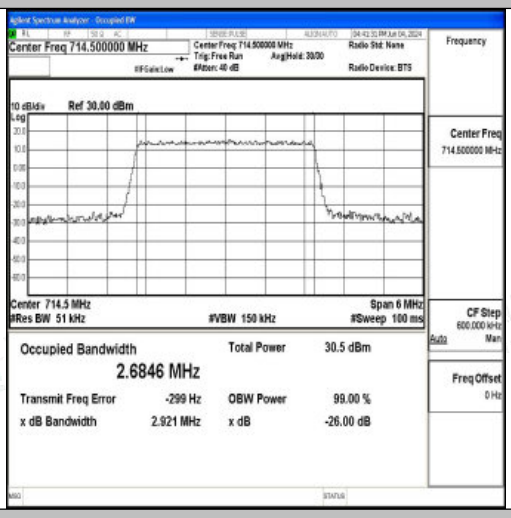
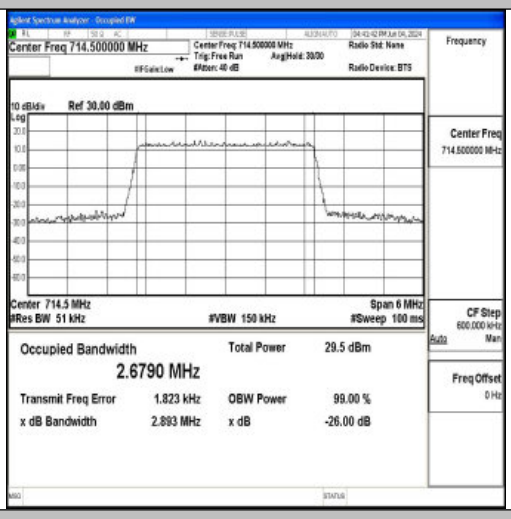


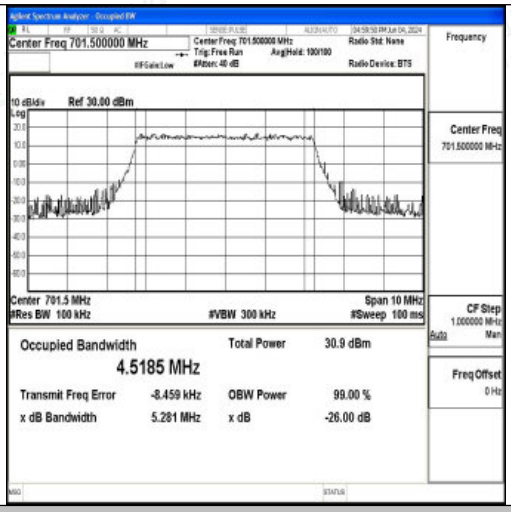
Band12-3MHz-16QAM-23095-15RB#0-PASS



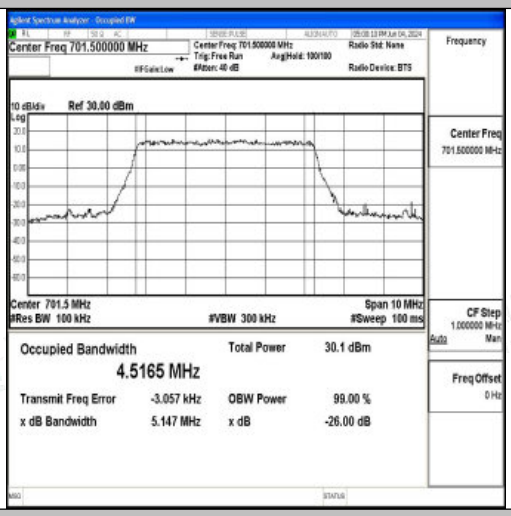
Band12-3MHz-QPSK-23165-15RB#0-PASS



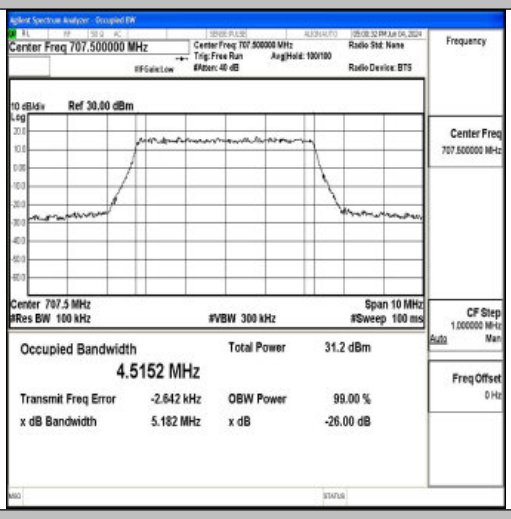
Band12-3MHz-16QAM-23165-15RB#0-PASS



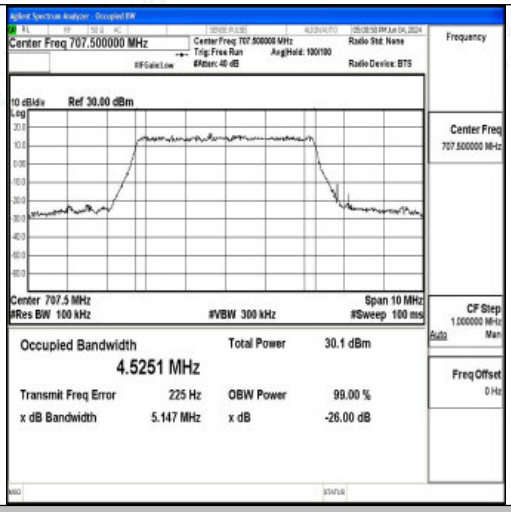
Band12-5MHz-QPSK-23035-25RB#0-PASS



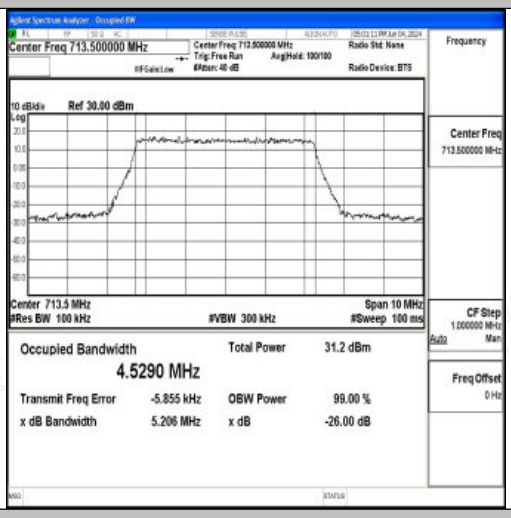
Band12-5MHz-16QAM-23035-25RB#0-PASS



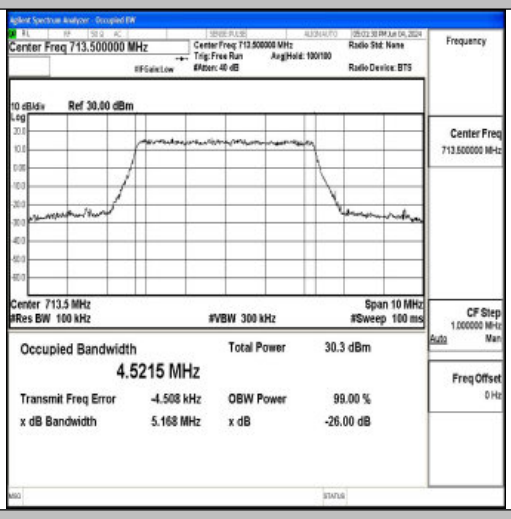
Band12-5MHz-QPSK-23095-25RB#0-PASS



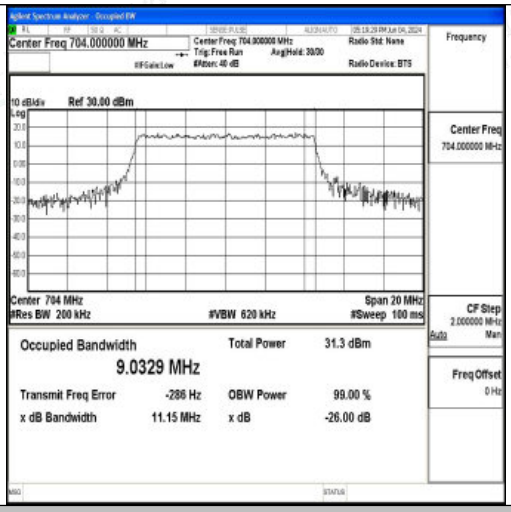
Band12-5MHz-16QAM-23095-25RB#0-PASS



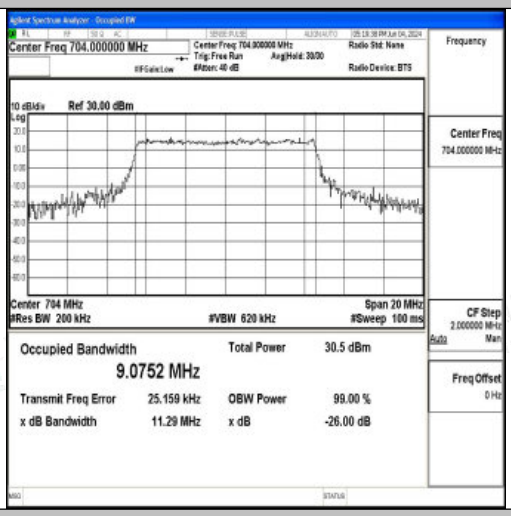
Band12-5MHz-QPSK-23155-25RB#0-PASS



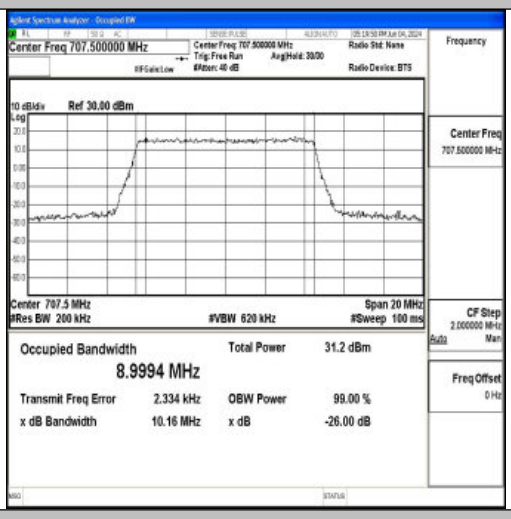
Band12-5MHz-16QAM-23155-25RB#0-PASS



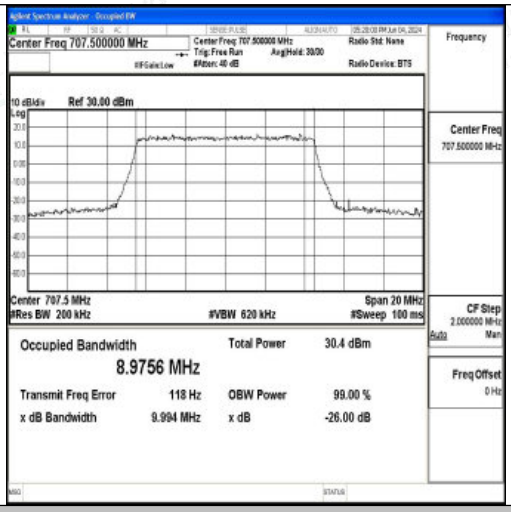
Band12-10MHz-QPSK-23060-50RB#0-PASS



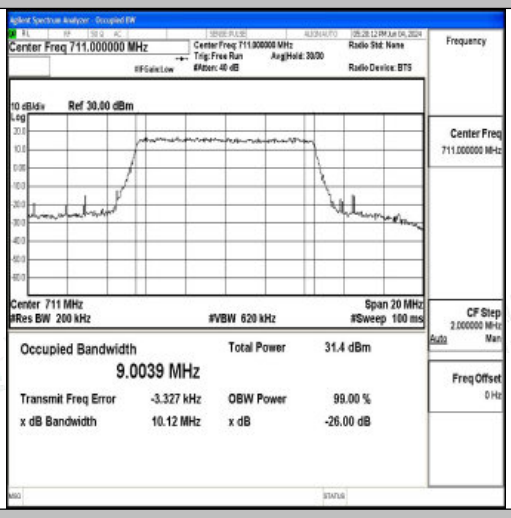
Band12-10MHz-16QAM-23060-50RB#0-PASS



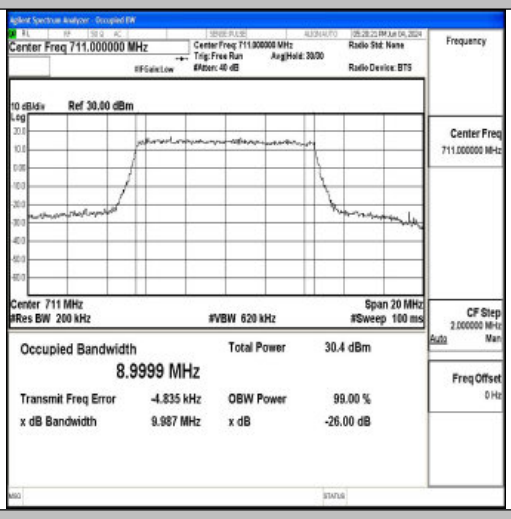
Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-16QAM-23095-50RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS



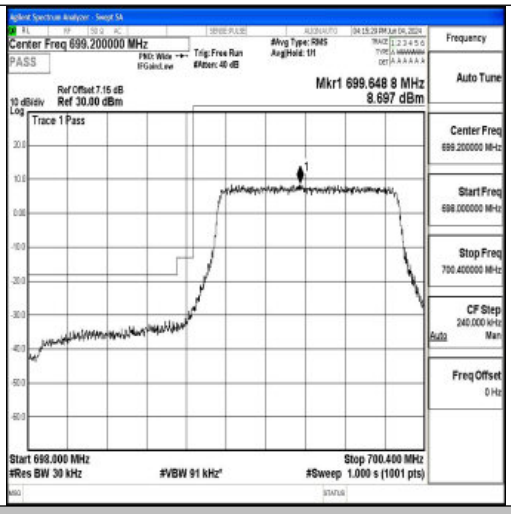
Band12-10MHz-16QAM-23130-50RB#0-PASS

I.4 Band Edge

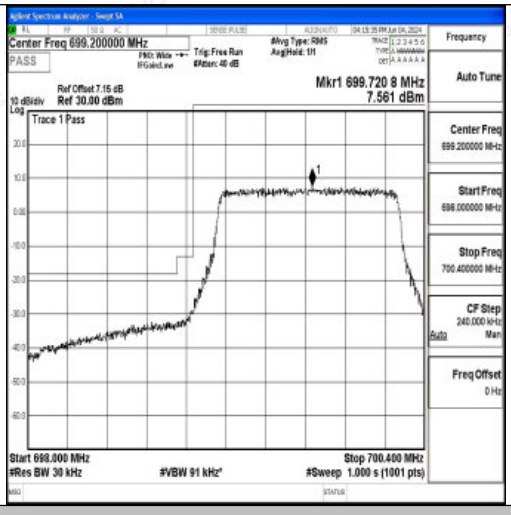
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.86	-31.72	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.85	-32.42	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-29.95	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.18	-30.23	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.80	-36.41	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.86	-35.71	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.11	-35.60	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.10	-34.76	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.87	-30.86	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.90	-31.78	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.13	-31.73	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.10	-31.64	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.89	-35.54	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.89	-37.23	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.19	-38.33	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.12	-37.97	PASS

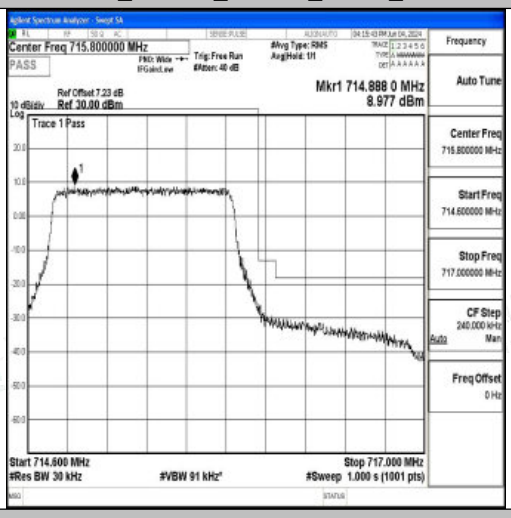
Test Graphs



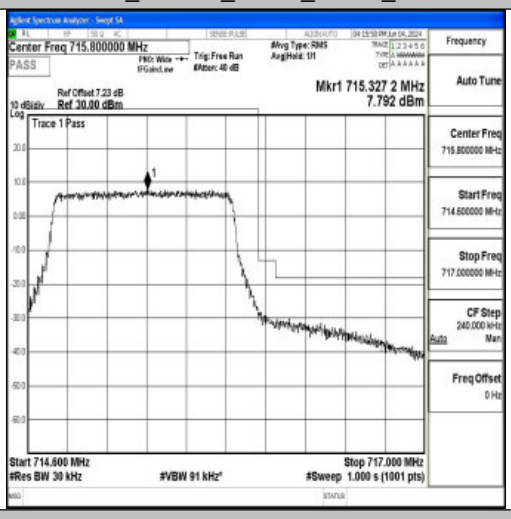
Band12_1.4MHz_QPSK_23017_6RB#0



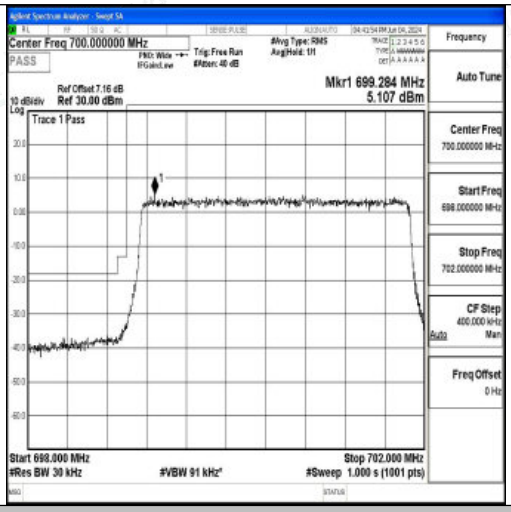
Band12_1.4MHz_16QAM_23017_6RB#0



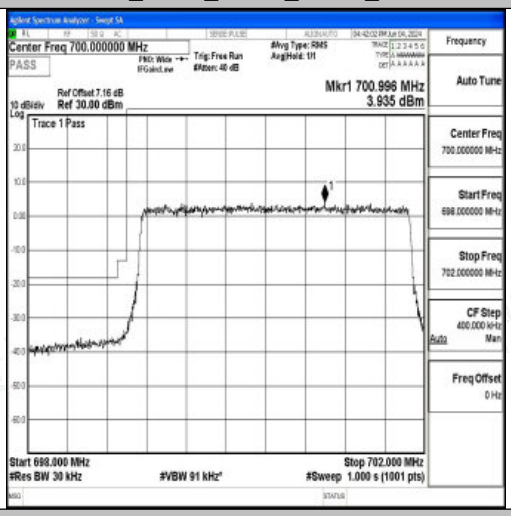
Band12_1.4MHz_QPSK_23173_6RB#0



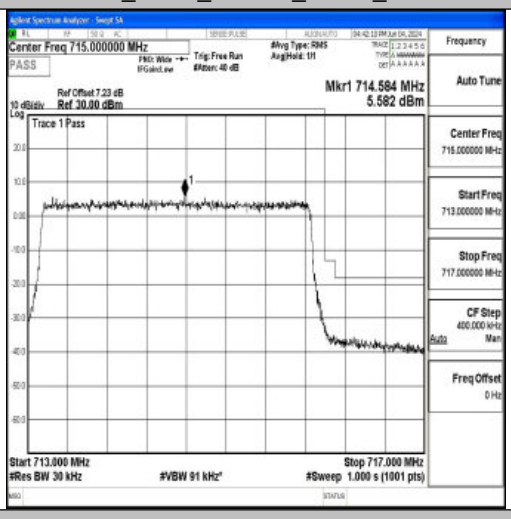
Band12_1.4MHz_16QAM_23173_6RB#0



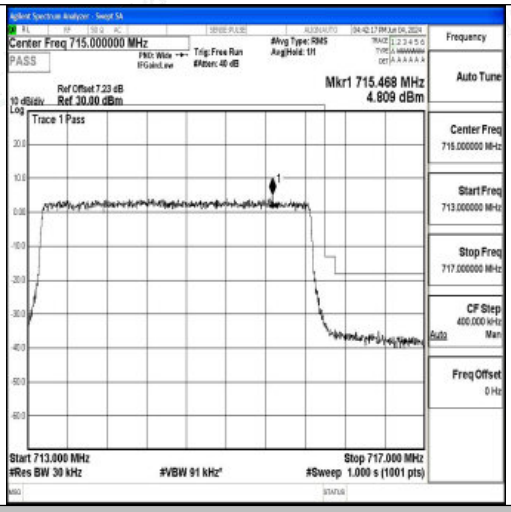
Band12_3MHz_QPSK_23025_15RB#0



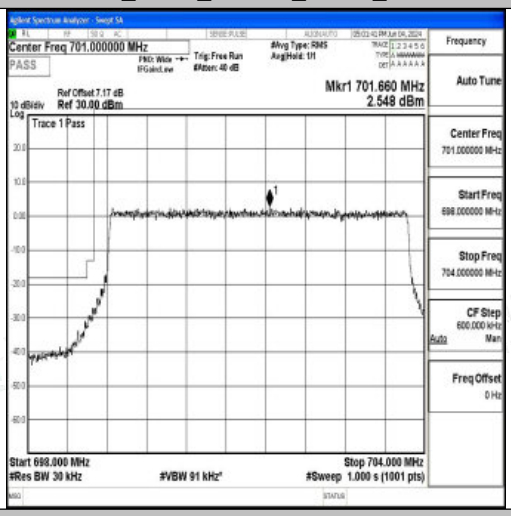
Band12_3MHz_16QAM_23025_15RB#0



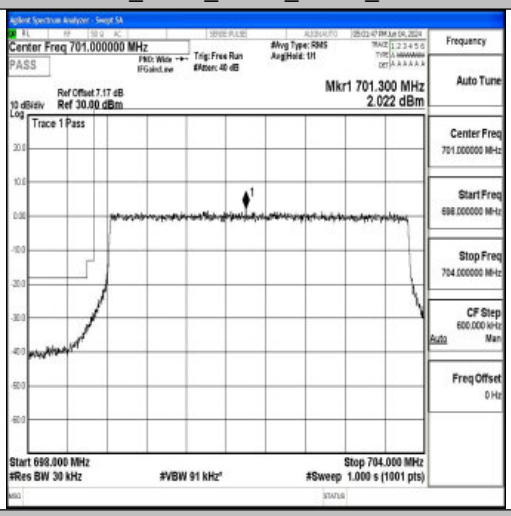
Band12_3MHz_QPSK_23165_15RB#0



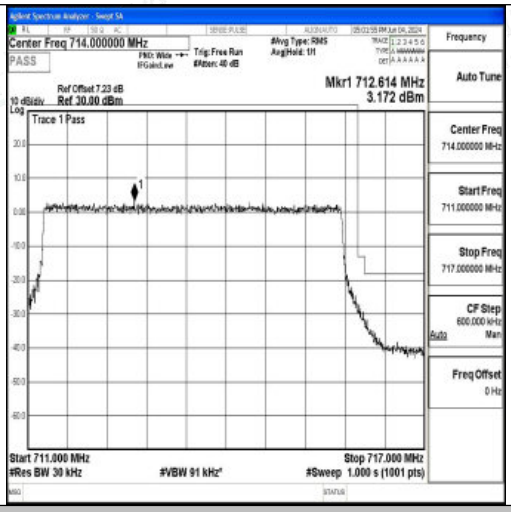
Band12_3MHz_16QAM_23165_15RB#0



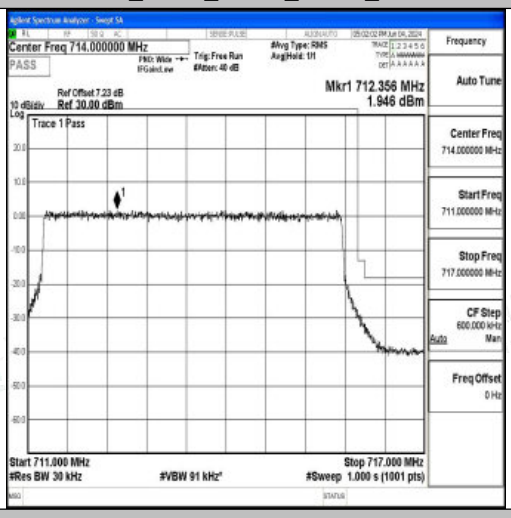
Band12_5MHz_QPSK_23035_25RB#0



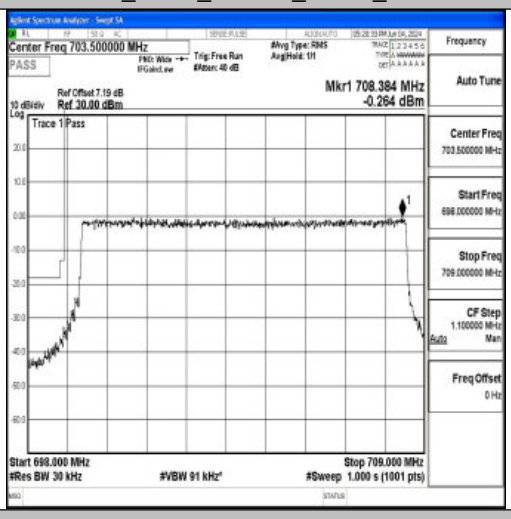
Band12_5MHz_16QAM_23035_25RB#0



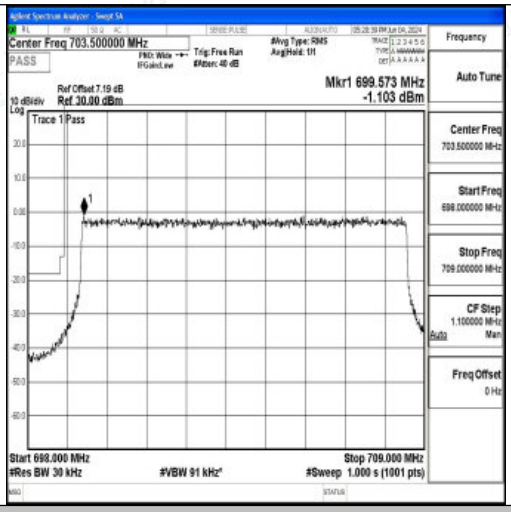
Band12_5MHz_QPSK_23155_25RB#0



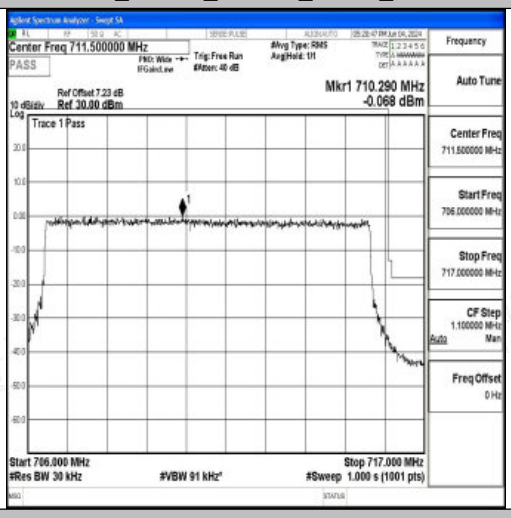
Band12_5MHz_16QAM_23155_25RB#0



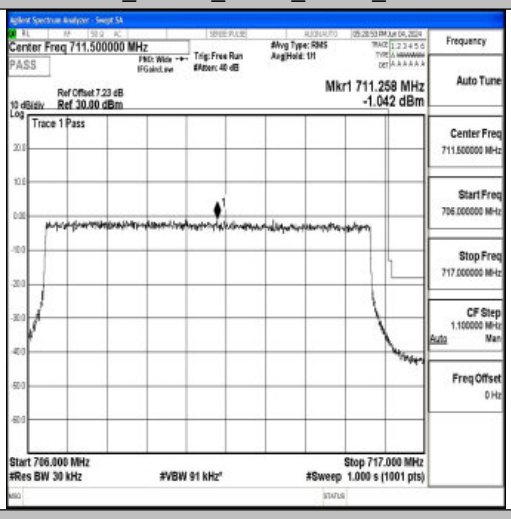
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

I.5 Conducted Spurious Emission

Test Result

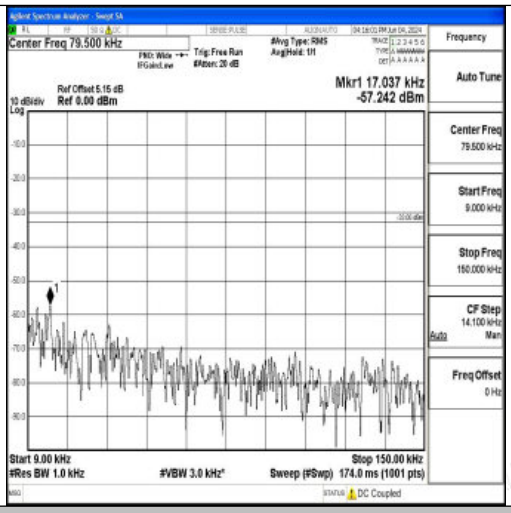
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-57.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-52.62	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-51.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-44.79	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-43.87	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-58.15	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.20	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-51.08	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-45.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.22	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-56.43	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-53.82	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-51.03	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-44.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-43.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-58.36	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-52.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-50.10	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-44.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-43.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-51.86	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-50.58	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-43.82	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.07	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-57.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-53.43	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-49.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-44.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-43.72	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-58.01	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-50.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-58.35	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.86	PASS

Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-43.65	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.52	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-52.59	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-57.43	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-45.02	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.23	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.25	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-51.00	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-58.62	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-44.55	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.11	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-58.35	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-49.81	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-58.00	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-44.34	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-44.34	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-58.61	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-50.96	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-58.92	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-45.16	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-43.26	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-59.07	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-51.64	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-58.85	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-45.57	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.09	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.43	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-49.91	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-61.90	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-44.60	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-43.60	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.15	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-53.41	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-62.07	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-45.44	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-44.22	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.33	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-50.54	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-61.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.66	PASS

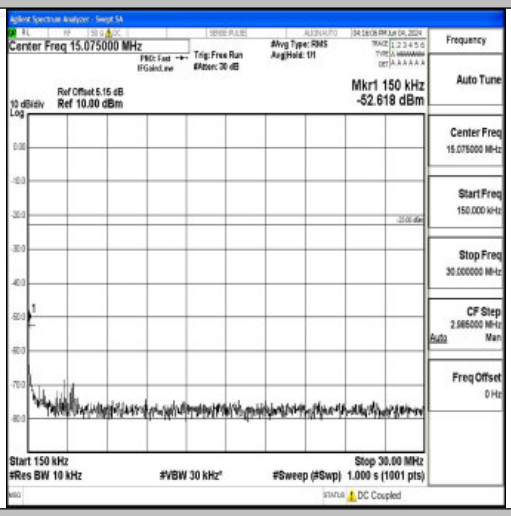
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-43.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-57.96	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.52	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.25	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-44.68	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.18	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-58.95	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-52.87	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-62.04	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-45.53	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-44.15	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-55.59	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-52.54	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-61.97	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-46.54	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-43.96	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-58.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.57	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.07	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-43.82	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.06	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-57.81	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-51.71	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-61.99	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-43.66	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.14	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-58.64	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.95	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-61.76	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-43.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.00	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-61.01	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-52.88	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.22	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-42.75	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-43.81	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-54.98	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-53.64	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-61.92	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.34	PASS

Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.35	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-59.38	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-52.12	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-61.68	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-44.41	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-43.94	PASS

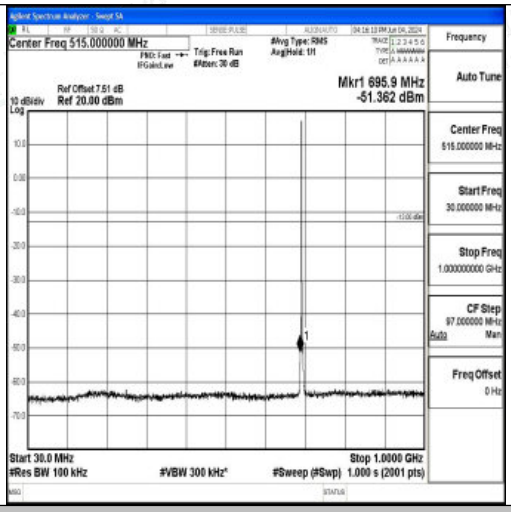
Test Graphs



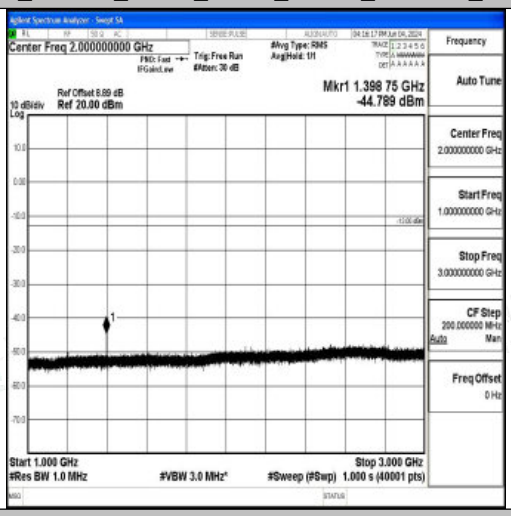
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



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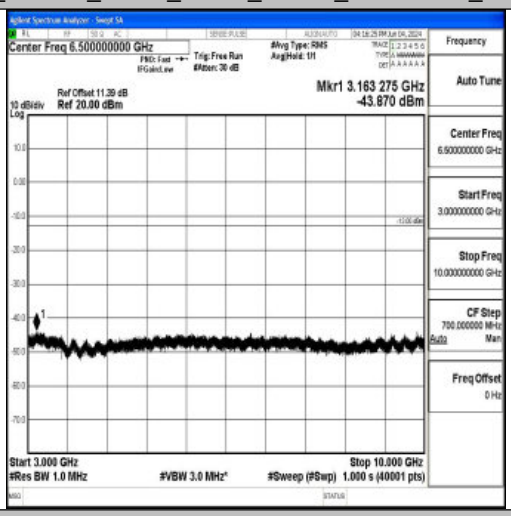

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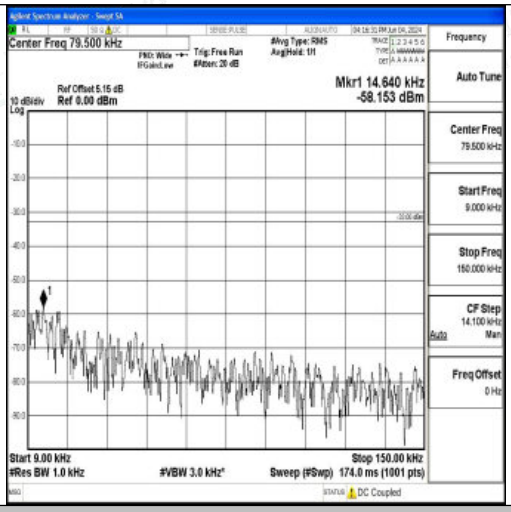

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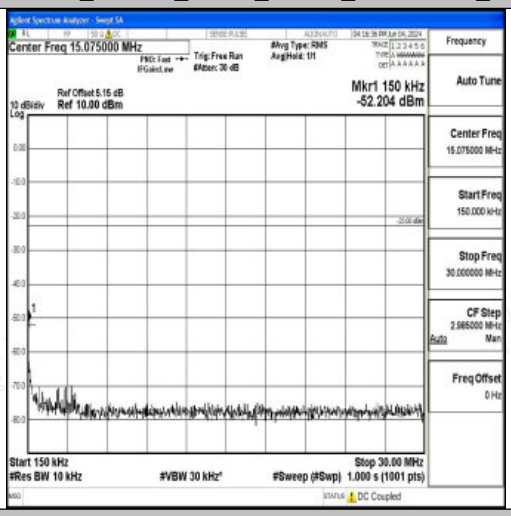
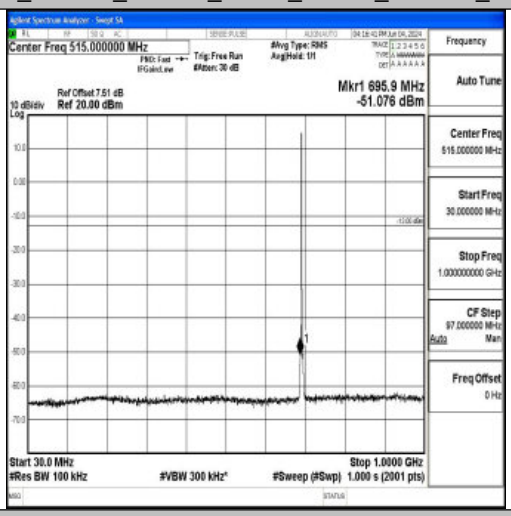


Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



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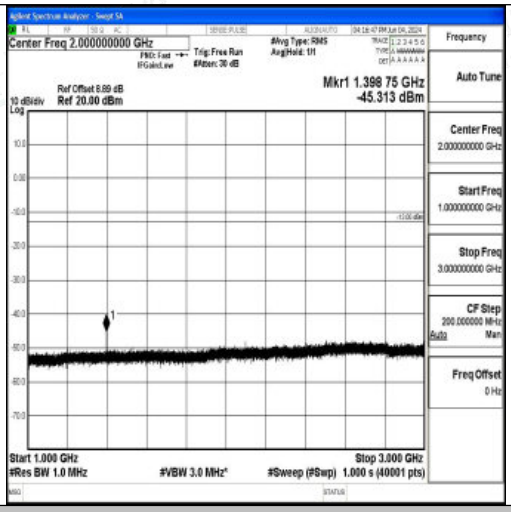

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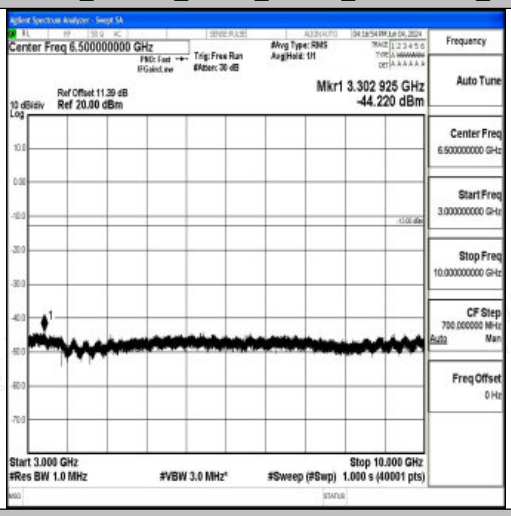

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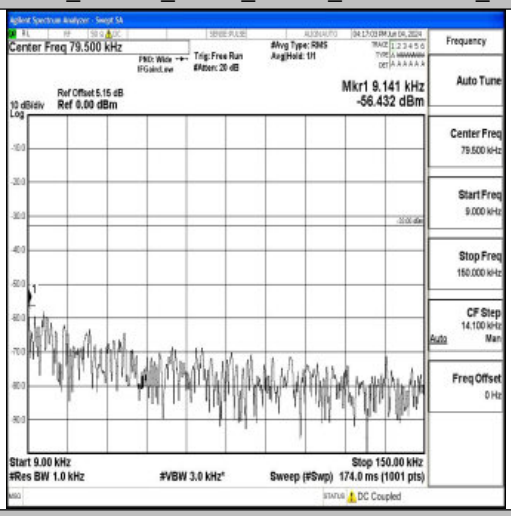

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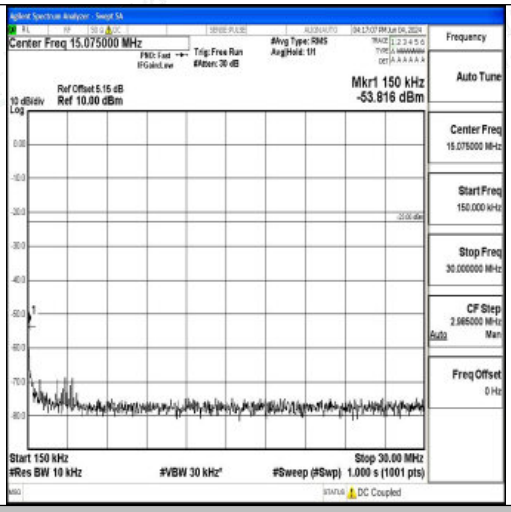

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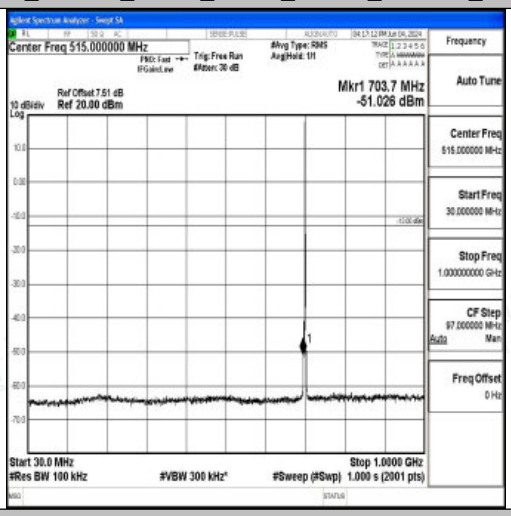

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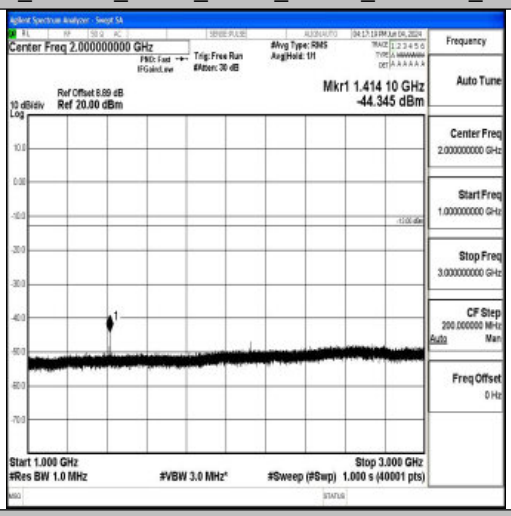
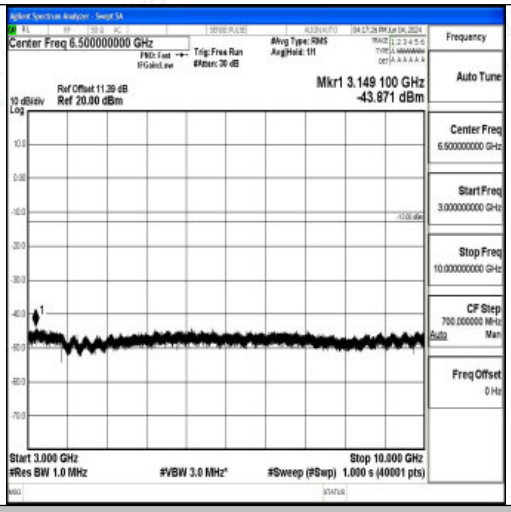


Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



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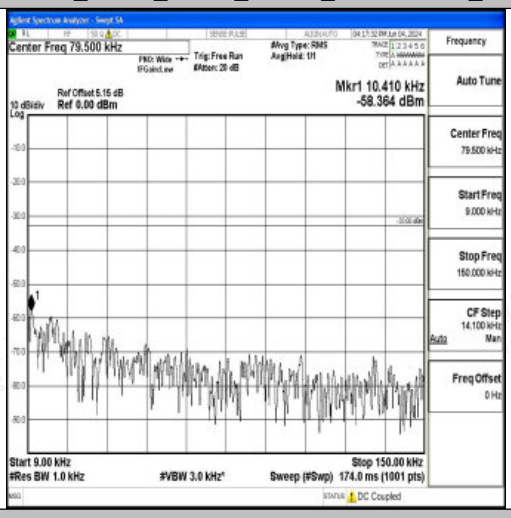

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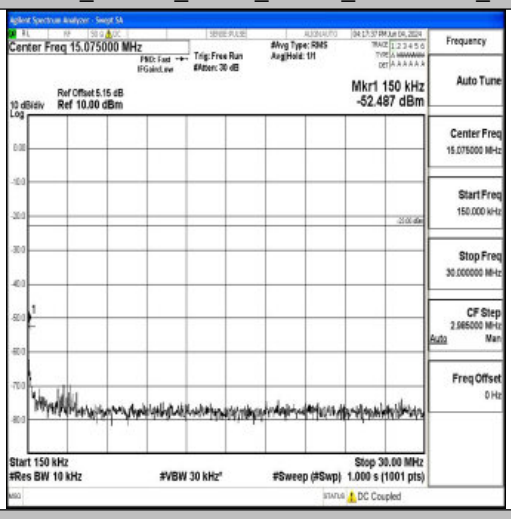

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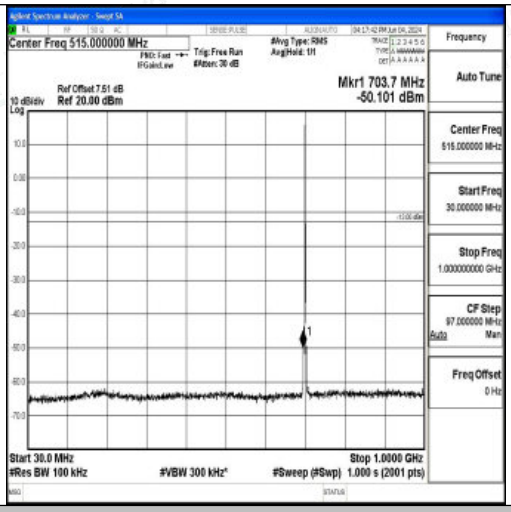

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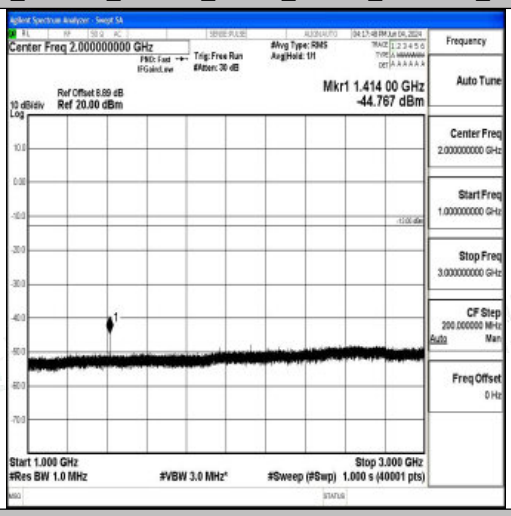
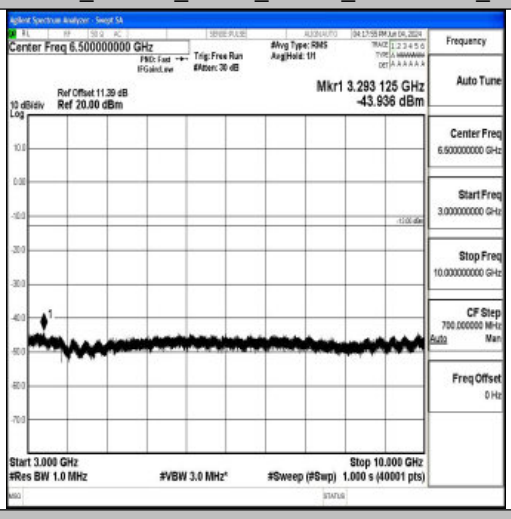


Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



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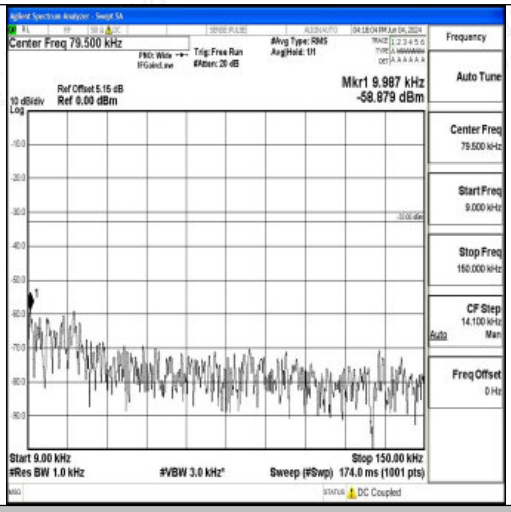
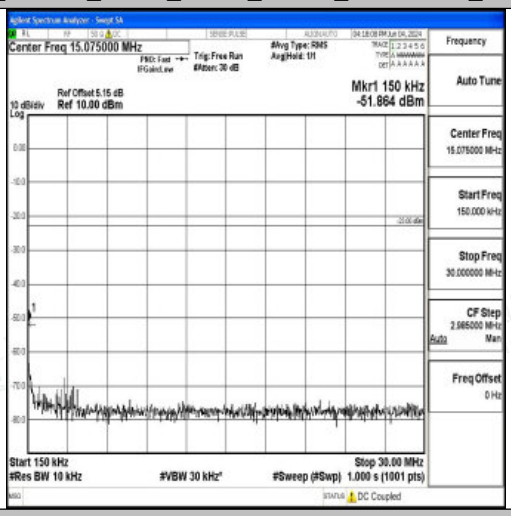
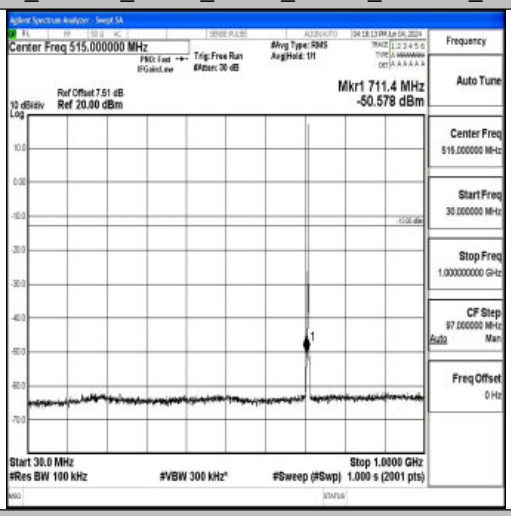


Band12_1.4MHz_QPSK_23173_1RB#0_0.009~0.15_0.009~0.15



Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000